Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
224001 2005 GE_{30}	16.9	X	183.47377	134.03072	150.95436	6.89239	0.1115684	0.28630688	2.2798951	21	—	—
224002 2005 GE_{58}	17.7	X	305.26554	240.57074	37.54643	6.05077	0.1502617	0.30407260	2.1902038	21	3 14.9	20.4
224003 2005 GK_{59}	16.9	X	12.50823	65.26965	52.42089	22.07960	0.0940293	0.35366759	1.9803375	21	—	—
224004 2005 GX_{59}	16.6	X	226.43453	144.31521	163.11619	6.93997	0.2929897	0.29359767	2.2419933	21	1 26.4	20.6
224005 2005 GP_{65}	18.1	X	330.82367	154.26171	182.45701	1.16671	0.1770388	0.31897575	2.1214409	21	7 28.7	19.1
224006 2005 GC_{69}	18.2	X	41.66903	185.92745	26.45375	4.85056	0.0563925	0.31179066	2.1539088	21	5 25.3	20.4
224007 2005 GP_{84}	17.7	X	288.36271	342.18751	304.64101	1.44904	0.1697946	0.30235379	2.1984964	21	2 28.4	20.6
224008 2005 GC_{95}	15.0	X	85.58858	318.51833	165.43174	3.88921	0.1309759	0.12413413	3.9799283	21	4 27.3	20.5
224009 2005 GU_{96}	17.8	X	328.92645	261.78039	54.23535	3.39985	0.1937721	0.31362885	2.1454845	21	6 11.8	19.3
224010 2005 GS_{99}	17.2	X	356.95482	247.51089	30.65764	5.24457	0.1189236	0.31209217	2.1525213	21	6 19.1	18.8
224011 2005 GO_{154}	14.2	X	10.95610	163.77925	53.80003	8.85071	0.0752705	0.12578782	3.9449696	21	5 2.3	19.4
224012 2005 GF_{156}	17.5	X	221.27271	109.75889	194.49707	3.90580	0.2384760	0.29137221	2.2533948	21	1 18.9	21.3
224013 2005 JK_{4}	16.9	X	279.91703	213.12211	82.48508	5.96763	0.1444110	0.29911711	2.2143276	21	3 9.9	19.9
224014 2005 JQ_{15}	17.8	X	343.64136	161.60354	93.57787	1.43766	0.0891087	0.30616525	2.1802123	21	4 18.6	19.6
224015 2005 JF_{19}	17.5	X	235.89492	163.97793	223.82682	3.51139	0.1491234	0.31019505	2.1612888	21	5 21.1	20.5
224016 2005 JF_{43}	17.8	X	195.68742	231.81830	72.06928	3.70034	0.2487061	0.28546844	2.2843570	21	—	—
224017 2005 JA_{65}	18.0	X	281.48560	163.89653	105.79627	3.74559	0.1763281	0.29695015	2.2250871	21	1 30.8	21.2
224018 2005 JT_{67}	17.3	X	320.12383	300.20914	346.27675	2.60355	0.1151503	0.30592092	2.1813730	21	4 20.5	19.5
224019 2005 JX_{78}	17.3	X	253.52120	336.80217	34.64702	3.35763	0.0683267	0.31024944	2.1610362	21	5 27.4	19.7
224020 2005 JL_{160}	12.5	X	13.02783	135.78698	230.00264	27.95193	0.0204326	0.08563473	5.0976431	21	10 20.9	19.4
224021 2005 KT_{2}	17.7	X	147.86202	170.81174	159.40014	3.31980	0.2696705	0.28001751	2.3139071	21	—	—
224022 2005 KZ_{12}	16.4	X	123.78319	277.70910	3.16075	8.92052	0.2186741	0.26653323	2.3913059	21	12 26.7	20.6
224023 2005 LJ_{3}	17.1	X	293.79750	209.33487	87.19011	4.98273	0.1171080	0.30244629	2.1980482	21	3 31.2	19.7
224024 2005 LO_{7}	17.3	X	227.77681	52.84386	237.34041	4.80242	0.2493016	0.28827740	2.2694937	21	1 7.7	21.2
224025 2005 LY_{15}	17.1	X	246.16057	49.72685	217.91406	2.73644	0.1999949	0.28612401	2.2808664	21	—	—
224026 2005 LB_{21}	17.1	X	173.38795	151.15775	158.98099	3.74637	0.2576732	0.28063213	2.3105274	21	—	—
224027 Grégoire	16.9	X	150.49614	148.07079	141.59754	3.46921	0.2223157	0.27430159	2.3459414	21	—	—
224028 2005 LC_{24}	16.7	X	179.09165	41.62777	255.10223	23.84835	0.2036542	0.28058041	2.3108113	21	—	—
224029 2005 LO_{33}	17.0	X	233.97826	280.83197	77.08704	7.93408	0.1525274	0.30200091	2.2002087	21	4 12.4	20.3
224030 2005 LY_{35}	15.7	X	33.00297	201.38706	107.37603	8.42767	0.2107665	0.25332312	2.4737330	21	11 1.1	18.7
224031 2005 LP_{41}	16.9	X	71.54668	254.51795	104.55157	3.70873	0.1895176	0.26714531	2.3876519	21	—	—
224032 2005 LT_{46}	17.0	X	157.56834	163.06945	171.94475	4.89084	0.1704736	0.27865493	2.3214441	21	—	—
224033 2005 LG_{47}	17.3	X	80.51204	238.33362	131.51449	2.17478	0.1878838	0.26755829	2.3851944	21	—	—
224034 2005 LD_{48}	16.6	X	101.56127	301.89132	1.85165	6.37639	0.1954187	0.26766708	2.3845480	21	—	—
224035 2005 LP_{53}	16.8	X	108.58553	175.06391	246.28934	5.65433	0.1458645	0.28494908	2.2871319	21	2 12.5	19.5
224036 2005 MS	17.1	X	97.32572	41.09100	260.52758	2.10195	0.1778985	0.26255764	2.4153845	21	12 27.0	20.9
224037 2005 MP_{3}	16.5	X	181.93539	126.58160	180.54148	8.46675	0.2155906	0.28089138	2.3091055	21	—	—
224038 2005 MP_{4}	17.6	X	113.84478	312.53017	337.02560	0.47093	0.1762900	0.26577127	2.3958743	21	12 27.5	21.4
224039 2005 MA_{6}	16.9	X	350.68725	78.24099	184.24227	6.98079	0.0950735	0.30657786	2.1782557	21	5 14.0	18.9
224040 2005 ML_{9}	16.8	X	74.54884	194.59755	151.92713	3.75321	0.1437259	0.26563042	2.3967212	21	—	—
224041 2005 MP_{9}	16.5	X	135.27267	356.87202	306.57663	6.09965	0.1109988	0.27020512	2.3695925	21	—	—
224042 2005 MK_{14}	16.9	X	79.66118	74.00229	270.97923	5.37639	0.1442521	0.26586822	2.3952918	21	—	—
224043 2005 MP_{18}	17.0	X	105.16970	250.85091	116.14291	6.51449	0.2140309	0.27320701	2.3522031	21	—	—
224044 2005 MQ_{18}	17.5	X	149.20298	179.54543	127.11070	2.03341	0.1851874	0.27294323	2.3537183	21	—	—
224045 2005 MF_{20}	17.4	X	135.22047	160.51054	124.53677	3.25866	0.2222718	0.26893988	2.3770186	21	—	—
224046 2005 MW_{22}	16.8	X	144.33752	4.99957	284.64133	7.50431	0.2701946	0.26963266	2.3729453	21	—	—
224047 2005 MJ_{29}	17.5	X	180.12265	108.94608	219.22650	4.52616	0.1944502	0.28026309	2.3125552	21	1 13.6	21.1
224048 2005 MJ_{31}	17.4	X	97.82020	59.74622	278.62662	0.42556	0.2060513	0.26805085	2.3822715	21	—	—
224049 2005 MQ_{36}	16.7	X	107.61860	249.60609	110.62036	7.96194	0.1689081	0.27274312	2.3548695	21	—	—
224050 2005 MP_{37}	17.1	X	303.13206	109.75337	130.11519	5.96040	0.1212112	0.28972997	2.2619019	21	1 22.8	20.0
224051 2005 MC_{42}	16.9	X	100.60125	122.28473	199.01881	4.32051	0.2425290	0.26573361	2.3961006	21	—	—
224052 2005 MD_{42}	16.9	X	115.61884	142.86188	227.00273	5.15225	0.1974406	0.27426189	2.3461678	21	—	—
224053 2005 MV_{45}	16.4	X	62.66553	191.32793	159.66415	6.40273	0.1183118	0.26442627	2.4039918	21	—	—
224054 2005 MC_{50}	17.0	X	98.26292	40.96916	321.16920	3.62247	0.1951314	0.27090982	2.3654815	21	—	—
224055 2005 ME_{50}	16.9	X	98.24095	85.24572	305.56208	5.73058	0.1047547	0.27696558	2.3308743	21	—	—
224056 2005 MH_{50}	17.2	X	216.42688	233.93845	42.28349	2.29596	0.1921867	0.28127185	2.3070227	21	—	—
224057 2005 ML_{53}	16.1	X	108.06487	294.77592	45.51213	24.34219	0.2377941	0.26812346	2.3818414	21	—	—
224058 2005 MP_{54}	17.3	X	109.94262	113.84933	244.39965	1.47950	0.1968939	0.27145010	2.3623417	21	—	—
224059 2005 NK_{2}	18.0	X	136.44865	140.23183	174.76791	1.08363	0.1940830	0.27179148	2.3603631	21	—	—
224060 2005 NM_{3}	16.7	X	11.25275	179.80956	299.80024	5.97391	0.0487526	0.27756643	2.3275093	21	—	—
224061 2005 NA_{8}	16.9	X	140.77185	226.44651	149.40133	7.14253	0.1137235	0.28071617	2.3100662	21	1 23.2	19.9
224062 2005 NB_{10}	17.7	X	153.16882	102.75348	176.86555	1.10160	0.1733975	0.27133871	2.3629882	21	—	—
224063 2005 NE_{17}	17.1	X	126.12663	62.97762	283.81960	1.97313	0.1520559	0.27416615	2.3467140	21	—	—
224064 2005 NT_{19}	17.3	X	110.62643	37.94792	199.91243	1.66291	0.1413929	0.25695641	2.4503592	21	10 18.8	20.9
224065 2005 NK_{22}	17.3	X	194.66460	103.88998	164.55198	4.00019	0.1011510	0.27475638	2.3433520	21	—	—
224066 2005 NZ_{27}	17.3	X	124.30310	137.16990	164.91647	2.31695	0.2014291	0.26816671	2.3815853	21	—	—
224067 Colemila	16.8	X	121.32339	198.92456	145.99962	2.64899	0.1330447	0.26955536	2.3733989	21	—	—
224068 2005 NJ_{40}	17.2	X	62.40212	231.48629	134.25786	1.92958	0.1894941	0.26595696	2.3947590	21	—	—
224069 2005 NN_{46}	17.2	X	64.58778	231.90238	134.44687	3.07256	0.1610329	0.26541983	2.3979888	21	—	—
224070 2005 NO_{46}	16.9	X	173.56104	196.43282	156.44930	6.69906	0.1744854	0.28333867	2.2957899	21	2 5.4	20.2
224071 2005 NR_{46}	17.4	X	178.51019	62.30794	184.21614	4.32801	0.1486972	0.27062460	2.3671432	21	—	—
224072 2005 NK_{49}	17.3	X	190.23052	107.94992	197.19376	4.68085	0.1680337	0.28415529	2.2913893	21	—	—
224073 2005 NW_{50}	17.1	X	150.75791	197.40959	142.00614	4.60405	0.2386052	0.27647463	2.3336328	21	1 5.0	20.5
224074 2005 NJ_{53}	17.1	X	107.63980	311.37641	144.91303	6.53864	0.1122926	0.29069929	2.2568710	21	3 31.6	19.7
224075 2005 NP_{55}	17.0	X	224.59986	242.54220	34.92120	6.21076	0.1544860	0.28326945	2.2961639	21	—	—
224076 2005 NX_{60}	16.8	X	114.14329	59.28320	292.07179	3.77437	0.2502160	0.27180668	2.3602751	21	—	—
224077 2005 NM_{61}	17.5	X	141.71912	180.14065	126.06629	3.78494	0.1629005	0.27114739	2.3640995	21	—	—
224078 2005 NV_{64}	17.6	X	227.67913	19.63040	196.70860	2.92180	0.1355382	0.27374852	2.3491001	21	—	—
224079 2005 NJ_{70}	17.1	X	102.25765	273.23652	117.83020	3.20726	0.2243735	0.27422485	2.3463791	21	1 9.2	19.3
224080 2005 NU_{71}	17.6	X	92.31946	181.42684	136.47444	2.58155	0.1825233	0.26418546	2.4054524	21	—	—

ELEMENTS AND OPPOSITION DATES IN 2021

ECLIPTIC AND EQUINOX 2000.0, EPOCH 2021 JULY 5.0 TT

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
224081 2005 NM_{74}	17.2	X	182.92121	179.38138	117.97174	5.24899	0.1176174	0.27793181	2.3254689	21	—	—
224082 2005 NE_{80}	16.7	X	130.67727	270.79480	61.52059	7.43133	0.1493878	0.27378164	2.3489107	21	—	—
224083 2005 NL_{80}	16.9	X	221.59554	285.77018	312.12507	5.34565	0.2643451	0.27931420	2.3177898	21	—	—
224084 2005 NM_{83}	17.5	X	117.01553	105.23917	201.30601	3.56039	0.0520397	0.26725139	2.3870201	21	—	—
224085 2005 NU_{84}	16.5	X	120.95459	23.21436	283.08326	4.61806	0.1623775	0.26578686	2.3957806	21	—	—
224086 2005 NW_{84}	16.1	X	111.79376	96.14400	240.80618	5.82688	0.1285009	0.26790604	2.3831299	21	—	—
224087 2005 NR_{86}	16.8	X	58.28783	108.12167	206.84353	10.44238	0.2269965	0.25618287	2.4552892	21	12 10.1	20.5
224088 2005 NS_{99}	16.5	X	80.77062	128.52316	255.57381	8.93008	0.2456875	0.26840858	2.3801543	21	—	—
224089 2005 NT_{100}	16.3	X	131.47624	19.21228	283.63384	6.50927	0.1812818	0.26772054	2.3842306	21	—	—
224090 2005 NO_{123}	17.5	X	117.57598	86.43375	191.34367	5.34376	0.1962611	0.26382997	2.4076127	21	12 16.9	21.5
224091 2005 OQ_{4}	17.2	X	163.33547	239.87910	43.43127	5.79528	0.1823751	0.27124775	2.3635164	21	—	—
224092 2005 OH_{8}	16.6	X	177.02693	39.62700	277.20957	9.05321	0.0471100	0.27908116	2.3190798	21	—	—
224093 2005 OK_{10}	16.6	X	80.15703	274.27616	81.88515	4.69523	0.2086136	0.26537106	2.3982825	21	—	—
224094 2005 OM_{11}	16.9	X	74.71294	18.51343	350.15264	4.35263	0.2060149	0.26576188	2.3959307	21	—	—
224095 2005 OD_{12}	17.2	X	119.09425	24.80219	290.71942	1.99889	0.1883789	0.26705609	2.3881837	21	—	—
224096 2005 ON_{12}	17.2	X	69.61075	259.19977	41.77594	1.98902	0.1822960	0.25627000	2.4547327	21	11 28.7	20.7
224097 2005 OS_{13}	16.7	X	47.75382	37.77413	329.32442	7.11886	0.2432235	0.26235471	2.4166299	21	—	—
224098 2005 OG_{15}	16.5	X	49.96260	332.31222	31.49669	7.30924	0.1867412	0.26263852	2.4148886	21	—	—
224099 2005 OP_{16}	16.9	X	84.82227	114.00016	199.68877	0.67927	0.1900647	0.26140236	2.4224959	21	12 30.9	20.7
224100 2005 OZ_{18}	17.3	X	142.83584	144.52506	150.26828	6.09150	0.1151285	0.26861328	2.3789450	21	—	—
224101 2005 ON_{20}	16.7	X	200.72585	280.12147	346.26825	4.60543	0.1045274	0.27412475	2.3469502	21	—	—
224102 2005 OV_{21}	17.0	X	193.62069	268.18327	351.08574	0.57478	0.1669987	0.27268424	2.3552085	21	—	—
224103 2005 OC_{28}	17.3	X	44.21472	126.30438	171.30797	5.89368	0.2208628	0.25215550	2.4813637	21	11 1.1	20.4
224104 2005 OD_{28}	17.2	X	111.97399	61.44096	225.04375	1.34918	0.1604334	0.26178570	2.4201304	21	12 20.9	21.1
224105 2005 PN_{2}	16.9	X	75.64247	327.17282	11.94414	1.50088	0.2039362	0.26360729	2.4089684	21	—	—
224106 2005 PR_{2}	16.6	X	47.31537	216.68579	140.42209	2.46014	0.2328759	0.26032641	2.4291662	21	—	—
224107 2005 PY_{2}	17.3	X	142.01875	125.53661	164.68829	2.12264	0.2162143	0.26899471	2.3766956	21	—	—
224108 2005 PD_{3}	17.1	X	207.19876	353.42797	299.32604	3.35740	0.1795031	0.28023716	2.3126979	21	—	—
224109 2005 PK_{3}	16.9	X	103.83230	238.38280	128.68555	1.94189	0.1937897	0.27092811	2.3653750	21	—	—
224110 2005 PV_{3}	17.0	X	86.87920	297.94462	18.62402	2.60603	0.2114951	0.26351646	2.4095220	21	—	—
224111 2005 PR_{11}	16.6	X	81.34710	248.27503	124.77267	3.29673	0.1523466	0.26790746	2.3831215	21	—	—
224112 2005 PE_{12}	16.9	X	50.84309	46.50221	353.70490	1.21600	0.1794743	0.26605280	2.3941838	21	—	—
224113 2005 PA_{13}	17.0	X	106.29281	326.45386	342.64574	10.90068	0.1758133	0.26420650	2.4053247	21	—	—
224114 2005 PJ_{14}	17.1	X	202.18349	293.61857	23.19368	2.43827	0.1764849	0.28156703	2.3054101	21	1 19.9	20.6
224115 2005 PN_{18}	16.8	X	125.81315	291.64069	57.63411	7.21379	0.2401936	0.27286675	2.3541582	21	—	—
224116 2005 QO_{3}	17.5	X	73.90156	303.23582	347.45005	1.76045	0.2139413	0.25588166	2.4572157	21	11 23.4	21.1
224117 2005 QV_{6}	17.4	X	346.74441	138.39901	270.43827	1.60456	0.1886819	0.25468733	2.4648916	21	12 25.4	19.5
224118 2005 QH_{7}	16.9	X	211.83381	78.22062	162.67580	7.31696	0.2038653	0.27154981	2.3617634	21	—	—
224119 2005 QZ_{7}	16.8	X	172.13722	264.21387	9.00672	3.87511	0.1252426	0.26849142	2.3796647	21	—	—
224120 2005 QM_{8}	17.0	X	123.31878	78.47049	196.12290	2.04262	0.1788794	0.26369230	2.4084507	21	12 17.4	20.9
224121 2005 QM_{10}	17.6	X	138.72720	153.06711	119.04839	0.80002	0.2249988	0.26524770	2.3990261	21	12 27.4	21.7
224122 2005 QZ_{10}	16.8	X	26.25315	244.28056	152.85155	6.16677	0.1887873	0.26110506	2.4243344	21	—	—
224123 2005 QA_{13}	16.9	X	79.39165	186.90613	183.00574	6.60251	0.1189935	0.26687211	2.3892812	21	—	—
224124 2005 QO_{13}	16.2	X	101.19282	39.45881	319.32438	6.08140	0.1599569	0.26857162	2.3791910	21	—	—
224125 2005 QF_{16}	17.4	X	118.41033	112.55132	170.36935	1.33460	0.1731356	0.26172095	2.4205296	21	12 22.7	21.1
224126 2005 QN_{17}	17.0	X	154.61106	252.22651	18.97909	4.72443	0.1163702	0.26397804	2.4067123	21	—	—
224127 2005 QX_{17}	16.9	X	9.51048	257.17025	155.47274	1.31047	0.1829406	0.25820096	2.4424789	21	—	—
224128 2005 QC_{18}	17.0	X	47.35245	27.12290	37.70746	1.92804	0.1678522	0.26672039	2.3901871	21	—	—
224129 2005 QG_{21}	16.6	X	109.32724	299.80147	35.62164	3.02647	0.1821711	0.26686588	2.3893183	21	—	—
224130 2005 QH_{25}	17.1	X	324.19294	319.63570	132.73876	2.89240	0.1032051	0.25735382	2.4478359	21	—	—
224131 2005 QO_{28}	17.2	X	66.44860	127.58591	241.45760	1.00878	0.2328034	0.26309002	2.4121249	21	—	—
224132 2005 QA_{33}	17.5	X	84.82168	164.39098	162.50803	2.66527	0.1991412	0.26260726	2.4150802	21	—	—
224133 2005 QN_{33}	17.2	X	75.95250	187.81756	142.40022	3.10840	0.1872130	0.26131176	2.4230558	21	—	—
224134 2005 QU_{33}	17.3	X	139.90800	294.89871	349.71767	0.82862	0.1739601	0.26656713	2.3911032	21	—	—
224135 2005 QA_{36}	16.7	X	189.35020	101.46797	206.29307	1.36786	0.1465136	0.27595244	2.3365759	21	—	—
224136 2005 QF_{36}	16.6	X	110.63465	145.91645	198.14586	1.87732	0.2001567	0.26728281	2.3868330	21	—	—
224137 2005 QD_{40}	16.6	X	237.25839	353.80725	268.31226	6.13762	0.0875612	0.27876014	2.3208600	21	—	—
224138 2005 QL_{40}	16.9	X	38.81761	101.62177	218.40522	5.67564	0.1280029	0.25327360	2.4740555	21	11 7.8	19.8
224139 2005 QV_{41}	16.7	X	53.33020	148.93898	178.47184	6.53836	0.1324795	0.25611465	2.4557252	21	12 8.4	20.0
224140 2005 QK_{42}	17.0	X	81.73009	249.89085	135.69241	1.84345	0.1921748	0.26813866	2.3817514	21	—	—
224141 2005 QE_{44}	16.9	X	79.93907	344.53570	352.41258	7.18847	0.2089525	0.26240500	2.4163211	21	—	—
224142 2005 QL_{44}	16.6	X	122.48608	280.66399	26.95494	2.66405	0.2093656	0.26631635	2.3926040	21	—	—
224143 2005 QU_{44}	17.0	X	136.44695	283.63625	31.84233	3.27254	0.1484364	0.26911353	2.3759959	21	—	—
224144 2005 QB_{45}	16.9	X	118.83714	200.76510	123.49832	2.31080	0.1914577	0.26730402	2.3867067	21	—	—
224145 2005 QZ_{47}	16.6	X	11.54220	345.82126	74.36114	3.80888	0.1549402	0.26071260	2.4267667	21	—	—
224146 2005 QV_{50}	16.9	X	138.76423	136.71735	122.69472	3.39824	0.1549537	0.25983811	2.4322086	21	12 12.0	20.6
224147 2005 QL_{51}	17.0	X	187.70958	262.93065	352.33444	5.39462	0.1696685	0.27035504	2.3687164	21	—	—
224148 2005 QA_{52}	17.1	X	99.11217	139.73969	216.95560	1.65416	0.2097484	0.26794208	2.3829162	21	—	—
224149 2005 QA_{54}	17.2	X	150.42897	162.72816	152.58251	4.23206	0.0931733	0.27160203	2.3614606	21	—	—
224150 2005 QD_{55}	16.5	X	45.28865	348.39998	2.64463	6.49208	0.1339690	0.25803013	2.4435568	21	12 29.5	19.8
224151 2005 QF_{60}	16.4	X	37.50978	36.32099	338.08743	4.80350	0.0792104	0.26192700	2.4192599	21	—	—
224152 2005 QR_{62}	17.3	X	33.76492	252.64254	134.44532	2.25441	0.1808799	0.26013141	2.4303800	21	—	—
224153 2005 QS_{63}	16.9	X	28.91094	23.07756	16.88764	2.37080	0.1777766	0.26093902	2.4253627	21	—	—
224154 2005 QB_{64}	16.9	X	70.83335	315.06087	3.15338	3.78820	0.1836464	0.25826441	2.4420788	21	12 22.1	20.5
224155 2005 QS_{65}	17.2	X	189.47722	97.71475	223.09905	3.52990	0.1529551	0.27923939	2.3182037	21	1 10.8	20.7
224156 2005 QY_{66}	16.8	X	339.41946	50.41856	150.28303	6.18746	0.0363254	0.28305749	2.2973101	21	2 1.3	19.5
224157 2005 QC_{68}	17.4	X	66.28389	228.20325	99.14415	2.34133	0.1857890	0.25958700	2.4337769	21	12 29.3	21.0
224158 2005 QV_{71}	16.7	X	16.29400	227.74364	186.16204	2.16329	0.1815880	0.25996758	2.4314010	21	—	—
224159 2005 QQ_{73}	16.4	X	103.64907	77.98868	246.36362	2.96938	0.2575505	0.26396140	2.4068135	21	—	—
224160 2005 QB_{75}	16.7	X	221.12097	90.06352	221.53449	8.96084	0.0473895	0.28509723	2.2863395	21	1 25.0	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
224161 2005 QT_{84}	17.0	X	96.43801	22.58361	277.73783	2.36790	0.1790346	0.26049681	2.4281067	21	12 24.4	20.7
224162 2005 QM_{85}	17.0	X	355.44208	259.48697	168.23159	9.41790	0.0856199	0.26061469	2.4273745	21	—	—
224163 2005 QW_{89}	17.1	X	39.84023	221.23032	173.20516	2.23926	0.2235027	0.26273632	2.4142893	21	—	—
224164 2005 QN_{93}	17.1	X	317.44419	316.31177	73.55945	2.48038	0.1458441	0.24703103	2.5155621	21	9 23.7	19.4
224165 2005 QJ_{94}	16.9	X	95.67144	46.95704	310.81250	0.55285	0.1951473	0.26814632	2.3817060	21	—	—
224166 2005 QJ_{97}	16.8	X	148.37674	285.65042	7.06822	6.65563	0.1449389	0.26857775	2.3791548	21	—	—
224167 2005 QM_{99}	16.6	X	31.93066	87.51486	288.15116	4.76200	0.1123140	0.25903559	2.4372295	21	—	—
224168 2005 QX_{101}	16.4	X	152.66773	195.37709	218.15172	4.28502	0.0839827	0.22352249	2.6889861	21	3 31.7	20.3
224169 2005 QA_{104}	17.0	X	351.94766	228.69780	202.74573	5.85971	0.2045808	0.25848146	2.4407115	21	—	—
224170 2005 QS_{108}	16.5	X	319.92760	104.50207	344.33267	5.52405	0.0510120	0.25849657	2.4406164	21	12 26.6	19.4
224171 2005 QF_{109}	17.1	X	55.77213	142.72530	225.95545	1.40802	0.1926847	0.26115883	2.4240016	21	—	—
224172 2005 QV_{109}	17.4	X	77.85092	155.32499	183.65788	4.80400	0.1249740	0.26126848	2.4233234	21	—	—
224173 2005 QA_{111}	17.7	X	133.54432	68.71971	204.29306	0.87950	0.1560857	0.26170469	2.4206298	21	12 23.8	21.4
224174 2005 QV_{113}	17.2	X	65.83904	148.86138	166.33844	7.25745	0.1194654	0.25461705	2.4653452	21	12 5.9	20.7
224175 2005 QE_{134}	17.1	X	28.46600	108.57012	6.31696	2.17039	0.1617421	0.27221428	2.3579184	21	—	—
224176 2005 QY_{138}	17.4	X	309.33622	14.40492	64.69302	1.12899	0.2172442	0.25105162	2.4886321	21	11 14.2	19.1
224177 2005 QV_{140}	16.9	X	24.89778	61.74667	351.07071	4.33244	0.2645064	0.26080281	2.4262071	21	—	—
224178 2005 QP_{151}	17.4	X	33.68029	9.35182	19.86825	1.35395	0.1926084	0.25882406	2.4385572	21	—	—
224179 2005 QD_{154}	16.5	X	74.63514	18.01009	61.62278	7.35614	0.1037203	0.27521816	2.3407300	21	1 14.2	18.9
224180 2005 QX_{157}	16.3	X	134.94891	259.60035	60.63371	7.16544	0.1158018	0.26917907	2.3756102	21	—	—
224181 2005 QG_{158}	16.9	X	44.07857	39.97208	24.91314	6.35287	0.0956776	0.26703325	2.3883199	21	—	—
224182 2005 QF_{163}	16.5	X	64.26306	308.29810	55.01365	6.67088	0.2400229	0.26234049	2.4167172	21	—	—
224183 2005 QZ_{174}	16.0	X	307.87868	348.11652	339.01101	14.00456	0.2966057	0.23627002	2.5913753	21	4 30.7	19.6
224184 2005 QL_{176}	16.8	X	42.17005	146.17200	275.11977	0.74030	0.1621993	0.26476012	2.4019705	21	—	—
224185 2005 QW_{177}	17.7	X	161.17721	94.87072	179.22040	0.99460	0.1682781	0.26637793	2.3922353	21	—	—
224186 2005 QS_{178}	17.0	X	19.97640	261.36969	134.54764	1.91985	0.1833370	0.25854495	2.4403120	21	—	—
224187 2005 QD_{183}	17.2	X	52.95194	290.85935	4.23478	2.90179	0.1822405	0.25227710	2.4805662	21	10 31.8	20.5
224188 2005 RL_{6}	17.3	X	30.67570	246.13090	204.26770	2.90255	0.1873803	0.26540358	2.3980866	21	—	—
224189 2005 RB_{7}	17.1	X	118.97677	348.49264	284.04453	3.76749	0.2083408	0.26014029	2.4303247	21	12 11.4	21.2
224190 2005 RC_{7}	17.0	X	129.10955	108.92485	213.88868	3.43985	0.2352382	0.26860862	2.3789725	21	—	—
224191 2005 RB_{8}	16.7	X	135.26419	327.68415	356.70866	1.17719	0.1966340	0.26831157	2.3807280	21	—	—
224192 2005 RO_{9}	16.8	X	39.12692	125.85734	240.02786	5.44802	0.1125984	0.25821116	2.4424145	21	—	—
224193 2005 RJ_{10}	17.3	X	75.28479	46.22048	5.10819	1.89105	0.2075645	0.27033292	2.3688456	21	—	—
224194 2005 RL_{13}	16.9	X	48.28160	291.20443	68.69382	3.38458	0.2494901	0.26051531	2.4279918	21	—	—
224195 2005 RR_{16}	16.3	X	70.70232	278.51886	70.15558	7.17636	0.1393024	0.26362625	2.4088529	21	—	—
224196 2005 RM_{21}	16.6	X	121.57073	23.39802	261.72492	5.63770	0.0909241	0.26142500	2.4223560	21	12 26.1	20.0
224197 2005 RY_{22}	16.9	X	10.68358	340.29207	61.26756	2.12822	0.1852667	0.25730734	2.4481307	21	—	—
224198 2005 RD_{23}	15.4	X	270.39156	199.14758	217.56991	12.38152	0.1733294	0.23691593	2.5866631	21	8 3.2	19.2
224199 2005 RS_{25}	15.9	X	72.86270	68.85280	226.57388	13.80835	0.1499508	0.25666004	2.4522451	21	11 22.1	19.3
224200 2005 RK_{26}	17.5	X	57.43756	50.04953	263.47372	1.28628	0.2099385	0.25525583	2.4612304	21	12 4.8	20.8
224201 2005 RL_{28}	17.1	X	98.73056	280.79366	39.88332	6.22337	0.2305595	0.26391934	2.4070692	21	—	—
224202 2005 RD_{29}	16.3	X	101.06872	331.00482	43.12686	8.48359	0.1241660	0.26951925	2.3736109	21	—	—
224203 2005 RV_{39}	16.0	X	256.45240	268.93692	181.32029	21.99746	0.2933072	0.23625001	2.5915215	21	8 15.9	20.2
224204 2005 RP_{44}	17.9	X	48.40438	31.40260	3.15204	1.41032	0.1910205	0.26245201	2.4160325	21	—	—
224205 2005 RL_{48}	17.2	X	43.49897	33.85897	318.57263	1.87882	0.1861325	0.25844322	2.4409523	21	—	—
224206 Pietchisson	16.9	X	130.56605	73.32725	228.52207	6.08833	0.1562167	0.26726212	2.3869561	21	—	—
224207 2005 ST_{12}	17.0	X	17.30111	242.25919	185.40412	2.60721	0.1808990	0.26090026	2.4256029	21	—	—
224208 2005 SG_{16}	16.8	X	287.14600	264.96408	197.56137	9.37672	0.1479188	0.25082153	2.4901538	21	11 13.6	19.4
224209 2005 SR_{16}	16.5	X	47.20971	193.51186	327.70868	2.38966	0.0210215	0.22191701	2.7019397	21	3 27.5	19.9
224210 2005 SQ_{20}	16.2	X	177.41533	208.67220	167.76305	3.76313	0.2071316	0.21752295	2.7382052	21	3 19.9	20.7
224211 2005 SX_{21}	16.4	X	19.09631	335.86524	314.09407	4.50373	0.0591595	0.23958467	2.5674187	21	8 15.0	19.2
224212 2005 SJ_{23}	16.7	X	44.12020	229.39362	160.45972	1.22523	0.1905510	0.26103912	2.4247426	21	—	—
224213 2005 ST_{23}	16.9	X	2.78937	275.49140	126.97293	5.68808	0.1964109	0.25519403	2.4616277	21	—	—
224214 2005 SS_{32}	17.0	X	46.63207	219.17611	61.87323	4.57421	0.0986995	0.24284741	2.5443707	21	9 22.8	20.2
224215 2005 SV_{32}	17.3	X	275.55672	237.56195	156.15161	3.75790	0.1096270	0.23730465	2.5838376	21	7 23.6	20.7
224216 2005 SY_{35}	16.9	X	265.57645	18.32981	11.81870	5.67880	0.1840391	0.23464511	2.6033249	21	6 25.2	20.6
224217 2005 SQ_{36}	17.3	X	13.62706	225.22394	179.85009	2.51570	0.2153547	0.25656338	2.4528610	21	—	—
224218 2005 SY_{37}	16.6	X	284.97901	83.43299	18.82872	8.90038	0.0881273	0.25155717	2.4852968	21	11 13.9	19.5
224219 2005 SQ_{38}	17.5	X	103.99869	19.21626	258.40285	0.37321	0.1618410	0.25524325	2.4613113	21	12 1.9	21.4
224220 2005 SL_{46}	17.1	X	354.41570	280.08084	7.11927	11.36390	0.2518568	0.23851131	2.5751156	21	6 25.7	19.2
224221 2005 SL_{52}	17.4	X	61.89906	94.94114	224.87666	0.60155	0.1967687	0.25766497	2.4458649	21	12 16.3	20.8
224222 2005 ST_{52}	17.1	X	47.21942	299.91248	62.30243	2.31616	0.1963171	0.25732946	2.4479904	21	—	—
224223 2005 SJ_{53}	17.1	X	161.42364	84.60189	226.04487	2.76826	0.1232053	0.27043275	2.3682626	21	—	—
224224 2005 SZ_{54}	16.6	X	209.25463	112.46143	23.71425	4.65729	0.0565194	0.24295927	2.5435898	21	9 24.6	20.0
224225 2005 SY_{59}	17.4	X	317.24789	307.57107	204.57174	0.88306	0.1218627	0.26410224	2.4059577	21	—	—
224226 2005 SA_{61}	16.8	X	175.22225	286.85740	189.76040	4.33992	0.2229142	0.23064180	2.6333629	21	7 17.3	21.3
224227 2005 SJ_{61}	17.0	X	240.90398	34.89856	23.88178	4.16495	0.1151831	0.23517722	2.5993966	21	7 13.9	20.8
224228 2005 SM_{65}	16.4	X	21.19059	269.33487	359.71883	31.87329	0.1549241	0.23948061	2.5681624	21	8 18.4	19.8
224229 2005 SH_{66}	16.7	X	28.73728	197.55323	223.79654	5.94470	0.0886372	0.26269906	2.4145176	21	—	—
224230 2005 SO_{69}	16.5	X	56.95955	184.58849	80.48444	1.00610	0.0486490	0.24162580	2.5529394	21	9 5.6	19.6
224231 2005 SM_{72}	17.4	X	99.90231	239.87837	103.95372	1.87820	0.1839307	0.26434198	2.4045028	21	—	—
224232 2005 SK_{80}	16.9	X	240.90828	91.52827	24.85176	4.95963	0.2426142	0.24343423	2.5402802	21	9 13.9	20.6
224233 2005 SL_{84}	17.4	X	78.43569	293.25398	13.30891	3.63567	0.1244511	0.25466818	2.4650151	21	12 8.2	20.9
224234 2005 SO_{86}	17.2	X	122.07173	131.54271	163.17396	2.96178	0.1683103	0.26093584	2.4253824	21	—	—
224235 2005 SY_{89}	16.8	X	345.40697	93.54999	207.00969	3.23537	0.1616677	0.23654923	2.5893357	21	6 30.3	19.2
224236 2005 SA_{94}	17.4	X	164.85339	95.47397	198.45331	1.72777	0.1990357	0.27221307	2.3579255	21	—	—
224237 2005 SB_{99}	15.6	X	30.80261	242.86674	352.74017	11.83704	0.2275340	0.23331257	2.6132279	21	7 9.3	18.2
224238 2005 SW_{105}	16.4	X	169.46844	261.26608	184.97979	12.56395	0.2391563	0.22237267	2.6982474	21	6 7.2	21.3
224239 2005 SU_{107}	16.2	X	24.58669	221.31774	8.06958	7.43930	0.1528905	0.23078693	2.6322587	21	6 2.1	19.0
224240 2005 SY_{110}	17.1	X	15.10048	292.75584	205.71579	2.34490	0.1129987	0.27217607	2.3581391	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
224241 2005 SX_{116}	16.7	X	291.44915	103.12759	187.98920	4.93794	0.1734123	0.23015982	2.6370379	21	3 18.8	20.3
224242 2005 SR_{119}	16.9	X	108.64340	69.95055	206.01184	2.00704	0.1755427	0.25893656	2.4378509	21	12 5.6	20.7
224243 2005 ST_{126}	17.0	X	10.38166	268.48818	197.52476	1.42872	0.0622635	0.26715249	2.3876092	21	—	—
224244 2005 SY_{126}	16.9	X	244.79934	168.14487	16.79448	2.14418	0.1488359	0.25982304	2.4323026	21	12 31.5	19.9
224245 2005 SN_{129}	17.0	X	341.55671	313.37397	19.17406	14.02012	0.3060031	0.24276580	2.5449410	21	8 12.3	18.8
224246 2005 SJ_{155}	16.2	X	91.63749	259.59818	56.19336	7.27973	0.1566412	0.26139128	2.4225643	21	—	—
224247 2005 SV_{165}	16.8	X	24.70555	269.52139	103.09152	4.12933	0.0369064	0.25538339	2.4604108	21	12 15.1	19.7
224248 2005 SM_{172}	16.9	X	68.64647	151.53067	228.17429	4.47850	0.2398156	0.26405795	2.4062267	21	—	—
224249 2005 SD_{185}	17.1	X	256.36832	173.19362	245.24173	2.44710	0.0391279	0.23867164	2.5739622	21	8 11.2	20.5
224250 2005 SP_{191}	16.3	X	313.45066	139.69175	200.18877	11.10309	0.1220824	0.23616173	2.5921673	21	7 2.2	19.6
224251 2005 SQ_{191}	17.5	X	327.21876	65.57870	44.77410	1.81371	0.1468411	0.25697451	2.4502441	21	—	—
224252 2005 SG_{193}	15.6	X	199.51455	13.39530	53.60194	16.86581	0.1885370	0.22472587	2.6793781	21	6 5.0	20.1
224253 2005 SK_{194}	15.7	X	276.59315	350.70363	95.56591	15.00048	0.2144028	0.24390657	2.5369995	21	9 29.5	19.1
224254 2005 SP_{198}	17.3	X	9.65819	90.77598	344.58070	2.29326	0.2183295	0.26151194	2.4218191	21	—	—
224255 2005 SV_{213}	16.6	X	302.26562	46.70907	301.63958	9.54407	0.1090405	0.23639716	2.5904460	21	6 30.6	19.7
224256 2005 SB_{217}	16.3	X	286.28950	298.20849	115.52686	3.62634	0.0676837	0.24153885	2.5535521	21	9 14.7	19.3
224257 2005 SR_{224}	17.2	X	258.17557	267.88544	194.25680	5.47988	0.1448175	0.24486831	2.5303523	21	9 27.1	20.4
224258 2005 SK_{225}	16.6	X	189.84723	176.97516	203.26294	3.09160	0.1016888	0.21955886	2.7212519	21	3 31.7	20.7
224259 2005 SE_{246}	16.6	X	283.32300	322.52104	204.28007	3.16447	0.0698735	0.26117957	2.4238733	21	—	—
224260 2005 SD_{247}	16.8	X	213.92437	166.92828	23.93414	4.69335	0.1539387	0.25333371	2.4736641	21	11 27.9	20.4
224261 2005 SR_{248}	17.2	X	223.74097	63.37426	6.94367	14.26776	0.1560324	0.23303280	2.6153191	21	7 7.9	21.5
224262 2005 SE_{250}	16.5	X	352.59673	71.32895	22.22543	7.08210	0.0794131	0.26337822	2.4103650	21	—	—
224263 2005 SY_{253}	17.0	X	352.85145	129.47182	268.98090	2.38800	0.1474378	0.25540428	2.4602766	21	12 16.7	19.4
224264 2005 SH_{254}	16.8	X	71.12945	220.70505	130.63169	6.53878	0.1422544	0.26268451	2.4146067	21	—	—
224265 2005 SO_{255}	16.5	X	348.84130	6.08732	30.99166	7.40682	0.0950943	0.25368659	2.4713696	21	11 30.3	19.3
224266 2005 SH_{266}	16.7	X	43.31628	55.02673	323.70221	6.97106	0.0742798	0.26073909	2.4266024	21	—	—
224267 2005 SP_{279}	16.9	X	7.71344	65.64440	43.56904	5.70504	0.1296441	0.26530641	2.3986721	21	—	—
224268 2005 ST_{281}	16.8	X	262.94339	11.37396	58.64858	3.80386	0.0749344	0.24123887	2.5556686	21	9 2.9	20.2
224269 2005 TV	16.8	X	3.92457	201.03370	195.45789	14.21366	0.2299517	0.25601973	2.4563322	21	—	—
224270 2005 TP_{30}	17.1	X	47.68910	211.00221	172.40831	4.45302	0.2067339	0.26338052	2.4103510	21	—	—
224271 2005 TT_{37}	17.0	X	266.62368	321.51221	197.66049	7.40198	0.2047804	0.25813493	2.4428953	21	12 20.2	19.7
224272 2005 TD_{43}	17.0	X	122.30045	65.68743	206.97201	4.04510	0.1245171	0.25737129	2.4477251	21	12 11.9	20.8
224273 2005 TW_{43}	16.8	X	284.68967	350.56359	36.30526	10.84205	0.2011215	0.23696778	2.5862858	21	7 14.7	20.4
224274 2005 TK_{51}	16.4	X	226.89147	269.62327	200.80904	14.36563	0.0843389	0.23780340	2.5802236	21	9 3.6	20.2
224275 2005 TU_{51}	16.0	X	341.20091	266.01049	25.63822	13.47346	0.1434998	0.23277672	2.6172368	21	6 6.8	19.0
224276 2005 TC_{52}	16.6	X	201.43308	89.45977	286.38473	4.74208	0.1791069	0.28444707	2.2898221	21	3 30.3	20.3
224277 2005 TU_{52}	16.6	X	89.73385	196.39300	11.76687	4.62587	0.0114828	0.23656979	2.5891856	21	7 29.3	20.0
224278 2005 TH_{53}	16.7	X	286.80077	214.23060	217.36608	9.77684	0.0456512	0.24577249	2.5241425	21	10 10.6	19.9
224279 2005 TL_{56}	16.4	X	7.42415	231.31927	21.59693	7.95473	0.1081111	0.23199472	2.6231149	21	6 2.2	19.4
224280 2005 TZ_{56}	17.3	X	273.14573	346.35567	127.94160	1.49445	0.0587210	0.25067714	2.4911099	21	11 18.9	20.3
224281 2005 TT_{62}	16.7	X	276.88975	209.92209	181.24726	4.04659	0.0336908	0.23633942	2.5908679	21	8 2.6	20.2
224282 2005 TH_{69}	17.3	X	140.21106	249.25992	28.33610	4.15001	0.0969990	0.26099877	2.4249926	21	—	—
224283 2005 TU_{71}	16.5	X	94.31493	259.40519	54.33933	7.31936	0.1598477	0.26132562	2.4229701	21	—	—
224284 2005 TZ_{77}	15.4	X	233.43867	302.29132	37.03512	16.79276	0.1630263	0.22042814	2.7140928	21	3 28.7	19.9
224285 2005 TT_{82}	15.8	X	292.32349	309.95704	15.25535	15.76715	0.1757364	0.23050112	2.6344342	21	4 29.1	19.5
224286 2005 TW_{94}	16.8	X	22.94653	237.41788	213.54176	6.54742	0.0832306	0.26571522	2.3962112	21	—	—
224287 2005 TE_{98}	17.1	X	2.84649	26.31299	66.18584	3.03354	0.1338933	0.26082732	2.4260551	21	—	—
224288 2005 TD_{100}	17.1	X	261.72992	140.48320	314.32346	1.58141	0.0997532	0.24473415	2.5312770	21	9 28.8	20.3
224289 2005 TA_{101}	16.9	X	5.03627	38.48185	52.12680	1.81235	0.1479959	0.26174210	2.4203991	21	—	—
224290 2005 TM_{107}	16.3	X	206.86956	208.87617	237.50726	5.31001	0.1720420	0.22367300	2.6877797	21	7 7.9	20.6
224291 2005 TU_{109}	16.6	X	330.40205	307.20015	210.85091	5.72421	0.0657140	0.26992522	2.3712303	21	—	—
224292 2005 TC_{126}	17.7	X	281.88266	30.69533	39.63942	1.68499	0.1054010	0.24332561	2.5410361	21	9 24.8	20.5
224293 2005 TU_{126}	17.1	X	36.99581	287.31704	20.40130	3.55113	0.1270179	0.24613278	2.5216786	21	10 17.6	20.0
224294 2005 TW_{126}	17.0	X	83.81609	177.21401	16.98471	2.67201	0.0583163	0.23174623	2.6249897	21	7 7.9	20.4
224295 2005 TG_{127}	17.2	X	346.50171	90.12725	357.18190	1.17660	0.1488318	0.25709216	2.4494965	21	—	—
224296 2005 TC_{142}	16.7	X	183.82091	303.06861	190.19272	12.66196	0.2112112	0.23449731	2.6044187	21	8 12.1	21.4
224297 2005 TG_{152}	17.2	X	349.74078	8.28778	43.38784	6.97465	0.1120984	0.25247880	2.4792450	21	12 24.8	19.9
224298 2005 TV_{160}	16.5	X	290.34982	124.77701	279.60358	2.63050	0.0343133	0.24134918	2.5548897	21	9 9.2	19.8
224299 2005 TA_{171}	17.4	X	297.28344	38.51489	351.07134	4.46677	0.3149192	0.23960276	2.5672895	21	7 16.9	20.3
224300 2005 TR_{182}	16.5	X	4.10720	310.86440	72.71217	6.99879	0.1211792	0.25374579	2.4709853	21	12 10.9	19.3
224301 2005 TN_{184}	16.9	X	180.61775	232.52889	6.99901	6.77396	0.1171240	0.26306702	2.4122656	21	12 30.3	20.5
224302 2005 TM_{190}	16.1	X	0.16652	318.09192	348.00434	11.74646	0.1872604	0.23946708	2.5682591	21	8 16.8	18.3
224303 2005 TU_{190}	17.0	X	298.67056	273.50402	58.15028	6.72045	0.0362769	0.22632023	2.6667796	21	6 11.9	20.5
224304 2005 TL_{192}	17.0	X	244.30728	221.02304	191.58732	12.96205	0.1675097	0.23276274	2.6173416	21	7 1.5	21.2
224305 2005 UW_{4}	16.3	X	226.46568	66.32519	22.31944	11.83362	0.1698120	0.23311342	2.6147161	21	8 4.6	20.5
224306 2005 UV_{8}	16.0	X	123.00368	335.98463	39.68742	6.75000	0.2291070	0.27245660	2.3565202	21	1 21.9	19.0
224307 2005 UA_{12}	16.4	X	298.35011	146.71142	160.81205	4.27160	0.0871567	0.22543349	2.6737683	21	5 3.5	19.9
224308 2005 UE_{12}	16.6	X	292.35477	261.16777	86.19208	3.27527	0.1461479	0.23161663	2.6259688	21	6 7.5	19.8
224309 2005 UP_{16}	16.1	X	206.78164	288.66110	203.63209	9.50849	0.0248278	0.24069977	2.5594831	21	9 15.9	19.6
224310 2005 UW_{19}	16.7	X	217.78920	160.27458	265.06039	0.88900	0.0390871	0.22840793	2.6505048	21	7 1.7	20.4
224311 2005 UE_{22}	17.6	X	238.04451	109.65176	6.84389	2.65313	0.0603204	0.24281401	2.5446041	21	10 2.9	21.1
224312 2005 UL_{24}	17.2	X	259.15964	88.69213	25.05530	6.71765	0.1838406	0.24365431	2.5387503	21	10 9.1	20.4
224313 2005 UT_{24}	16.5	X	288.71809	2.42452	355.80840	1.91107	0.1252664	0.23347941	2.6119829	21	6 20.7	19.8
224314 2005 UQ_{25}	17.0	X	292.33807	0.30658	37.67557	12.87383	0.1795079	0.23931193	2.5693690	21	8 20.3	20.3
224315 2005 UH_{28}	16.5	X	248.58466	330.15937	35.63392	2.38098	0.0778597	0.22688939	2.6623180	21	5 16.8	20.1
224316 2005 UR_{29}	15.9	X	233.78017	312.42720	38.65414	13.89308	0.2745584	0.22423557	2.6832824	21	4 4.3	20.7
224317 2005 UL_{30}	16.1	X	315.80127	300.92798	40.31931	10.10457	0.2137100	0.23532836	2.5982835	21	6 24.8	19.1
224318 2005 UQ_{34}	15.8	X	247.11220	184.99498	226.30181	10.29685	0.0945568	0.23218216	2.6217030	21	7 10.9	19.7
224319 2005 UZ_{36}	17.0	X	259.02370	358.93453	42.21330	1.59769	0.0967028	0.23329259	2.6133772	21	7 14.4	20.6
224320 2005 UT_{38}	16.5	X	239.26681	324.68876	70.88720	4.10879	0.1051609	0.22820428	2.6520815	21	6 11.4	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
224321 2005 UQ$_{39}$	16.7	X	352.93464	15.23270	223.88387	3.65516	0.0600282	0.21972773	2.7198574	21	4 23.1	20.1
224322 2005 UY$_{39}$	16.0	X	228.27491	259.17592	57.75670	10.41472	0.1221028	0.21374976	2.7703350	21	2 26.3	20.5
224323 2005 UK$_{43}$	16.1	X	234.21767	61.71480	31.05799	22.17209	0.1119255	0.23606296	2.5928904	21	9 2.4	20.3
224324 2005 UG$_{46}$	17.2	X	221.55432	224.91690	190.33935	2.24780	0.0738487	0.22845757	2.6501209	21	6 19.9	21.0
224325 2005 UJ$_{46}$	16.8	X	229.10363	291.53646	143.72251	1.64579	0.0416348	0.23278602	2.6171671	21	7 29.3	20.3
224326 2005 UN$_{46}$	16.3	X	160.61572	216.22980	186.35174	5.51181	0.0316875	0.21528192	2.7571750	21	3 23.9	20.2
224327 2005 UH$_{50}$	16.9	X	315.49109	40.26714	308.22014	1.68926	0.2412289	0.23825451	2.5769656	21	6 30.7	19.4
224328 2005 UL$_{51}$	15.6	X	81.56954	7.35849	247.17631	7.40577	0.1730324	0.24289667	2.5440267	21	10 8.4	19.4
224329 2005 UZ$_{52}$	17.0	X	219.22463	3.52082	103.67661	4.73794	0.1573822	0.23561609	2.5961677	21	8 18.9	20.9
224330 2005 UC$_{56}$	15.9	X	193.37556	208.66483	228.86574	11.01045	0.1569426	0.22577199	2.6710951	21	6 15.0	20.2
224331 2005 UY$_{58}$	16.1	X	346.74398	294.98844	27.52926	4.95626	0.0642819	0.23522025	2.5990796	21	8 11.9	19.2
224332 2005 UW$_{59}$	15.6	X	329.13790	303.63617	31.64774	14.91041	0.1456064	0.23623033	2.5916655	21	7 28.4	18.7
224333 2005 UK$_{60}$	16.3	X	213.12469	76.08830	265.34598	3.07488	0.1937475	0.28072778	2.3100025	21	2 26.9	20.0
224334 2005 UX$_{60}$	16.5	X	198.10129	29.16750	48.73678	7.00765	0.0943098	0.22752376	2.6573671	21	6 21.7	20.6
224335 2005 UL$_{62}$	16.9	X	191.06843	69.54426	56.10147	4.55309	0.1486328	0.23190184	2.6238153	21	8 15.7	21.0
224336 2005 UQ$_{63}$	16.6	X	137.98862	113.12924	75.15982	1.85220	0.0786091	0.23506612	2.6002156	21	9 9.0	20.3
224337 2005 UN$_{67}$	17.0	X	15.92030	359.57659	73.62262	3.46605	0.1660233	0.25898582	2.4375417	21	—	—
224338 2005 UO$_{67}$	17.0	X	267.78886	291.94778	146.15977	4.81028	0.1668871	0.24015908	2.5633232	21	9 4.6	20.1
224339 2005 UP$_{69}$	16.2	X	283.32431	79.63301	227.52641	4.73235	0.0305988	0.22244657	2.6976498	21	4 19.7	19.8
224340 2005 UR$_{73}$	15.7	X	125.06312	287.13540	224.88720	12.70793	0.1259925	0.22581332	2.6707691	21	7 8.9	19.9
224341 2005 UV$_{76}$	16.9	X	319.65536	206.49834	171.02776	13.72773	0.1856977	0.24165180	2.5527563	21	9 1.2	19.4
224342 2005 UW$_{76}$	15.7	X	297.55377	298.37534	85.58736	16.15116	0.1043894	0.23843634	2.5756553	21	8 18.9	19.1
224343 2005 UU$_{79}$	16.3	X	328.02358	261.47743	46.42438	13.12406	0.1993814	0.23281170	2.6169746	21	5 29.6	19.0
224344 2005 UQ$_{90}$	16.0	X	147.33596	191.11423	303.37577	4.66218	0.1201629	0.22794114	2.6541221	21	7 12.4	20.1
224345 2005 UT$_{90}$	16.0	X	49.82035	174.69105	21.91373	14.52762	0.0806308	0.22334121	2.6904410	21	5 20.8	19.5
224346 2005 UF$_{103}$	16.3	X	322.00134	99.59862	212.38090	6.69206	0.2143685	0.23208494	2.6224351	21	5 24.5	19.2
224347 2005 UO$_{103}$	17.1	X	272.15480	223.59418	213.79764	6.36947	0.1675689	0.23936947	2.5689573	21	9 6.4	20.4
224348 2005 US$_{104}$	16.6	X	133.39283	294.17452	159.69049	2.61150	0.0710889	0.21854122	2.7296930	21	5 1.0	20.4
224349 2005 UG$_{105}$	16.4	X	183.85044	337.36839	115.93671	3.22495	0.0365914	0.22764088	2.6564555	21	6 26.8	20.0
224350 2005 UA$_{107}$	16.6	X	293.20269	235.87537	91.02032	3.32946	0.2053320	0.22960875	2.6412556	21	5 3.6	20.2
224351 2005 UN$_{109}$	16.2	X	195.92295	103.15352	30.69187	7.64970	0.1384227	0.23373443	2.6100826	21	9 2.1	20.4
224352 2005 UB$_{111}$	17.2	X	329.11904	344.35154	33.96201	5.32915	0.2053822	0.24204392	2.5499985	21	9 26.3	19.1
224353 2005 UD$_{111}$	16.5	X	150.69747	99.95853	29.24921	5.65633	0.0681894	0.22657104	2.6648112	21	7 6.4	20.4
224354 2005 UM$_{111}$	16.3	X	268.56091	352.41892	32.44747	6.22905	0.1314006	0.23160979	2.6260205	21	6 29.4	19.9
224355 2005 UH$_{112}$	17.2	X	259.21564	53.65483	12.45241	2.34991	0.1992007	0.23523445	2.5989750	21	8 3.4	21.0
224356 2005 UJ$_{112}$	16.1	X	164.51939	335.45754	41.31700	14.95644	0.1751145	0.21293661	2.7773834	21	3 15.1	20.8
224357 2005 UP$_{112}$	17.2	X	223.46629	52.36153	44.05680	14.01084	0.1709324	0.23278561	2.6171701	21	8 12.9	21.5
224358 2005 UE$_{116}$	16.8	X	344.63832	302.41062	16.46191	4.17495	0.2551710	0.23939075	2.5688050	21	7 24.1	18.6
224359 2005 UX$_{117}$	16.9	X	298.56847	13.71175	275.19270	1.20558	0.1770294	0.22504929	2.6768104	21	3 24.4	20.6
224360 2005 UK$_{122}$	17.1	X	306.08998	82.25888	221.56561	5.45565	0.0828636	0.22676341	2.6633039	21	5 8.7	20.3
224361 2005 UX$_{128}$	16.6	X	195.63608	189.22716	36.87127	2.88087	0.1514738	0.25405801	2.4689604	21	12 23.8	20.1
224362 2005 UT$_{130}$	16.8	X	253.08161	205.85889	251.31526	3.10999	0.1611836	0.23847340	2.5753885	21	9 9.5	20.4
224363 2005 UW$_{134}$	17.8	X	336.57268	95.77832	350.27724	3.64668	0.1989615	0.25758761	2.4463546	21	—	—
224364 2005 UX$_{135}$	17.1	X	204.27214	103.37130	354.11783	1.82047	0.0522427	0.23616655	2.5921321	21	7 27.8	20.6
224365 2005 UV$_{141}$	15.8	X	192.18408	240.47014	200.25932	15.11143	0.0076940	0.22819961	2.6521176	21	6 20.3	19.7
224366 2005 UN$_{151}$	16.8	X	352.82959	330.90134	306.16484	1.35822	0.1766395	0.22982266	2.6396164	21	6 8.8	19.1
224367 2005 UK$_{152}$	16.5	X	211.73453	153.87970	238.87589	2.13648	0.0819304	0.22333271	2.6905093	21	5 9.7	20.4
224368 2005 US$_{154}$	16.8	X	297.43469	76.54208	233.16888	2.83795	0.0821919	0.22424974	2.6831693	21	5 4.4	20.4
224369 2005 UE$_{155}$	16.7	X	94.29167	75.42573	225.85001	2.25465	0.1647684	0.25238879	2.4798344	21	12 21.4	20.6
224370 2005 UX$_{159}$	16.3	X	73.57976	304.58137	58.03741	7.14087	0.1328577	0.26020229	2.4299386	21	—	—
224371 2005 UD$_{164}$	16.3	X	34.12701	354.54330	262.18723	2.62399	0.2174772	0.23552324	2.5968500	21	8 12.8	19.0
224372 2005 UQ$_{168}$	17.5	X	302.59639	245.46159	240.35497	0.67574	0.1332669	0.25459170	2.4655088	21	—	—
224373 2005 UY$_{173}$	17.1	X	319.65470	297.98598	29.12135	3.63166	0.2075607	0.23478885	2.6022623	21	6 11.7	19.9
224374 2005 UF$_{178}$	16.5	X	343.45116	293.08562	27.15496	5.13808	0.2280483	0.23757600	2.5818698	21	7 25.5	18.5
224375 2005 UU$_{180}$	15.8	X	262.88907	148.01011	223.06237	12.82410	0.1111972	0.22859107	2.6490890	21	6 6.4	19.6
224376 2005 UH$_{181}$	16.6	X	137.76151	72.89716	67.03954	5.92273	0.0373624	0.22691311	2.6621325	21	7 1.8	20.3
224377 2005 UP$_{182}$	15.9	X	297.30541	263.10946	55.56324	4.61827	0.1938725	0.22770659	2.6559444	21	4 29.4	19.3
224378 2005 UD$_{183}$	16.8	X	191.11212	34.83291	59.91511	3.17643	0.0558878	0.22799437	2.6537090	21	7 7.7	20.5
224379 2005 UZ$_{186}$	16.5	X	312.32860	303.80899	33.07534	4.94944	0.2256113	0.23496862	2.6009348	21	6 9.5	19.4
224380 2005 UH$_{187}$	17.3	X	254.61981	37.44081	77.77799	1.74177	0.0428720	0.24345716	2.5401207	21	10 26.6	20.4
224381 2005 UW$_{193}$	17.0	X	157.91677	105.62478	51.48279	4.07225	0.0893706	0.23666015	2.5885265	21	8 23.0	20.9
224382 2005 UB$_{194}$	16.7	X	65.99052	72.53199	193.53563	2.85311	0.1360237	0.24214586	2.5492828	21	10 2.4	20.1
224383 2005 UY$_{194}$	16.3	X	269.72951	176.79396	193.16815	3.02605	0.0434447	0.22945825	2.6424104	21	6 23.6	19.9
224384 2005 UH$_{197}$	15.5	X	281.33602	8.02710	215.07441	5.63445	0.2493062	0.20253009	2.8717261	21	—	—
224385 2005 UY$_{199}$	16.6	X	272.11620	162.66296	193.44213	2.20644	0.0984374	0.22896496	2.6462043	21	5 30.9	20.2
224386 2005 UP$_{200}$	15.8	X	336.60398	234.07808	53.17435	9.12596	0.0775767	0.22784725	2.6548513	21	6 1.1	19.0
224387 2005 UY$_{200}$	16.7	X	277.31705	304.63928	73.47029	2.73871	0.1405304	0.23333411	2.6130671	21	6 30.1	20.1
224388 2005 UJ$_{201}$	16.2	X	191.06827	275.24022	213.61371	7.21706	0.0581400	0.23471291	2.6028236	21	8 19.0	20.0
224389 2005 UX$_{203}$	16.6	X	96.42995	332.68948	216.77900	5.73647	0.1733367	0.22761517	2.6566556	21	8 1.0	20.6
224390 2005 UL$_{205}$	15.8	X	233.48478	307.09092	59.16156	7.20766	0.0532871	0.22251197	2.6971212	21	5 3.4	19.6
224391 2005 UA$_{206}$	17.2	X	261.62048	215.98537	185.58809	1.58124	0.0512922	0.23288973	2.6163901	21	7 24.6	20.8
224392 2005 UB$_{207}$	16.6	X	31.98156	203.90452	56.65610	4.37489	0.1895216	0.23571718	2.5954254	21	8 13.1	19.3
224393 2005 UQ$_{232}$	17.6	X	211.43383	301.44388	109.97219	0.81783	0.1360708	0.22635064	2.6665408	21	5 31.2	21.7
224394 2005 UH$_{233}$	16.8	X	254.25465	294.53384	119.66381	2.91064	0.2190609	0.23384546	2.6092564	21	7 9.6	20.7
224395 2005 UJ$_{235}$	16.6	X	257.05382	218.10515	165.85856	4.18077	0.1138990	0.23025059	2.6363448	21	6 16.2	20.3
224396 2005 UQ$_{253}$	16.7	X	345.78866	79.92788	229.03610	7.49935	0.1753268	0.23626461	2.5914148	21	7 12.2	19.2
224397 2005 UE$_{259}$	16.5	X	335.72645	142.32922	92.02041	3.05354	0.0295055	0.21815055	2.7329509	21	3 28.1	20.0
224398 2005 UP$_{260}$	15.9	X	343.13629	247.30558	57.16919	10.24529	0.1368995	0.23339370	2.6126223	21	7 4.2	18.7
224399 2005 UA$_{265}$	17.0	X	95.43839	352.68822	192.01214	3.77932	0.0388492	0.22826379	2.6516205	21	7 6.7	20.5
224400 2005 UM$_{276}$	16.6	X	212.94466	154.48720	264.53402	1.39030	0.0674518	0.22871799	2.6481089	21	6 15.2	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
224401 2005 UP_{279}	17.6	X	0.84702	96.24179	199.28948	2.54682	0.2523714	0.23796700	2.5790409	21	7 29.8	19.3
224402 2005 UH_{294}	16.4	X	221.39535	68.90554	29.09172	8.10653	0.1057903	0.23424601	2.6062811	21	8 16.4	20.3
224403 2005 UF_{305}	16.9	X	273.44235	204.18319	148.31890	7.31065	0.1901620	0.22883087	2.6472379	21	5 16.9	20.8
224404 2005 UZ_{310}	17.2	X	218.54878	294.60599	159.85413	2.25338	0.0946333	0.23610438	2.5925871	21	8 5.5	20.8
224405 2005 UP_{312}	16.5	X	179.56822	78.11176	37.10791	3.08533	0.1256614	0.23023706	2.6364481	21	7 21.3	20.6
224406 2005 UM_{314}	16.3	X	185.75319	246.84991	188.80954	11.09324	0.1495143	0.22628829	2.6670306	21	6 6.6	20.7
224407 2005 UC_{316}	16.7	X	2.16462	141.30039	191.62133	4.19454	0.2062934	0.24286214	2.5442679	21	10 2.4	18.9
224408 2005 UT_{322}	16.3	X	348.48502	118.52964	196.91398	9.13325	0.1305962	0.23667155	2.5884434	21	7 29.1	19.1
224409 2005 UR_{323}	16.1	X	312.90442	296.56402	34.69968	4.20745	0.2126862	0.23259279	2.6186164	21	6 4.7	19.2
224410 2005 UB_{333}	15.9	X	1.71131	29.09717	228.91727	9.73667	0.1626808	0.22931590	2.6435038	21	5 30.8	18.4
224411 2005 UX_{333}	16.8	X	268.68960	251.26755	111.71205	2.66409	0.1368054	0.22833461	2.6510722	21	5 30.5	20.5
224412 2005 UB_{334}	16.8	X	266.36550	192.92934	163.74777	2.17117	0.1044575	0.22634940	2.6665506	21	5 23.9	20.6
224413 2005 UJ_{345}	16.2	X	19.60750	159.62150	80.46431	5.67532	0.0349034	0.22358029	2.6885227	21	6 4.7	19.7
224414 2005 UJ_{348}	15.0	X	47.99606	303.36953	120.45195	11.67788	0.0606608	0.18672504	3.0315705	21	—	—
224415 2005 UB_{349}	15.6	X	260.91685	82.49118	333.77962	21.71570	0.0664472	0.23758965	2.5817709	21	8 15.0	19.0
224416 2005 UY_{355}	16.5	X	345.97962	184.90517	77.03976	5.82950	0.0576080	0.22213932	2.7001367	21	5 15.2	19.9
224417 2005 UL_{358}	17.0	X	208.43434	55.90068	222.68703	4.75133	0.0753912	0.26980317	2.3719454	21	—	—
224418 2005 UC_{360}	17.2	X	189.76128	97.37065	11.16952	1.09256	0.0617093	0.23003645	2.6379807	21	7 24.3	21.1
224419 2005 UA_{389}	16.8	X	57.27270	237.61029	25.67099	6.41706	0.1245324	0.24347217	2.5400163	21	9 17.6	19.9
224420 2005 UA_{396}	16.6	X	74.65758	297.50421	184.45906	9.21283	0.0998142	0.21165033	2.7886248	21	3 25.8	20.2
224421 2005 UD_{397}	15.7	X	333.09256	228.23666	107.87943	12.23268	0.0695231	0.23451643	2.6042772	21	8 8.2	18.8
224422 2005 UT_{398}	15.8	X	261.55690	330.41146	79.08994	12.76580	0.0795178	0.23319902	2.6140761	21	8 3.4	19.5
224423 2005 UA_{403}	16.3	X	51.48575	316.44842	202.30853	5.80026	0.0036694	0.21584725	2.7523587	21	3 29.8	19.9
224424 2005 UC_{404}	16.4	X	59.67253	44.80012	153.62233	4.43439	0.1699591	0.22251940	2.6970612	21	6 25.9	19.6
224425 2005 UD_{412}	16.6	X	247.54877	284.81245	147.65486	2.78297	0.0896369	0.23393095	2.6086206	21	8 11.8	20.2
224426 2005 UJ_{416}	16.4	X	211.64928	331.14567	166.99369	4.08568	0.1134152	0.23988199	2.5652968	21	9 23.3	19.9
224427 2005 US_{416}	16.9	X	168.96777	289.97649	191.22707	5.28585	0.0856878	0.23029252	2.6360248	21	7 15.7	20.8
224428 2005 UC_{418}	16.6	X	151.29632	69.07244	86.81590	4.05479	0.0893135	0.23288497	2.6164257	21	8 13.3	20.5
224429 2005 UL_{433}	16.7	X	354.72650	126.87835	215.96137	0.85507	0.2011482	0.24168654	2.5525117	21	9 29.8	18.8
224430 2005 UV_{443}	15.9	X	95.97788	337.86072	278.94872	6.87739	0.0361801	0.24324650	2.5415870	21	10 10.8	19.5
224431 2005 US_{445}	16.3	X	276.80808	183.47539	194.08319	3.36054	0.1428852	0.23200449	2.6230413	21	6 27.9	19.8
224432 2005 UH_{456}	16.1	X	171.62593	112.36623	350.64196	14.76235	0.0786786	0.22880448	2.6474415	21	6 27.0	20.3
224433 2005 UV_{461}	14.9	X	42.67850	255.02098	122.67812	23.36670	0.1151008	0.17916120	3.1163059	21	—	—
224434 2005 UJ_{465}	16.0	X	63.49961	138.70602	93.52559	4.69442	0.2059943	0.23516934	2.5994547	21	8 26.6	19.3
224435 2005 UK_{472}	16.3	X	336.50108	203.93195	54.11026	2.59939	0.0204904	0.22076294	2.7113480	21	4 28.9	19.7
224436 2005 UQ_{472}	16.8	X	29.10867	84.67232	104.53556	0.72913	0.0699976	0.21667510	2.7453437	21	4 12.1	20.1
224437 2005 UZ_{472}	16.7	X	122.21171	110.63094	31.82712	4.90931	0.0308395	0.22401927	2.6850093	21	6 13.8	20.4
224438 2005 UU_{477}	16.6	X	249.47165	276.03177	178.71894	8.61137	0.1316931	0.23785656	2.5798391	21	9 6.7	20.1
224439 2005 UK_{478}	16.5	X	280.35419	190.46527	182.88448	12.39944	0.1871076	0.23388948	2.6089290	21	6 20.3	20.3
224440 2005 UV_{483}	17.2	X	286.85159	288.56298	144.99301	4.94844	0.1262981	0.24465132	2.5318483	21	10 5.4	20.0
224441 2005 UO_{484}	16.6	X	339.93456	274.99018	83.23814	12.60210	0.1724589	0.24363309	2.5388977	21	9 28.0	19.2
224442 2005 UB_{488}	15.7	X	74.27489	287.15694	256.95458	15.20121	0.1093513	0.22787724	2.6546183	21	6 17.7	19.0
224443 2005 UT_{492}	16.0	X	21.91931	48.57997	265.38550	13.02877	0.1673120	0.24472255	2.5313570	21	10 1.0	19.1
224444 2005 UY_{494}	16.3	X	324.81766	215.88973	135.65247	11.44305	0.2015554	0.23763662	2.5814307	21	7 31.6	18.7
224445 2005 UY_{497}	16.1	X	71.77782	118.65791	114.59346	5.20791	0.0513256	0.23505149	2.6003235	21	8 13.7	19.5
224446 2005 UV_{510}	16.7	X	299.49241	142.33473	207.15986	3.02454	0.1604156	0.23149248	2.6269076	21	6 18.7	19.8
224447 2005 UP_{513}	16.5	X	78.81306	332.35500	142.05573	4.28949	0.0487626	0.21386745	2.7693186	21	3 15.7	20.2
224448 2005 UE_{516}	16.5	X	173.76836	177.10079	210.77465	2.34052	0.0736892	0.21378480	2.7700323	21	3 23.5	20.6
224449 2005 VG_{6}	16.0	X	228.60665	337.03795	43.19490	6.72614	0.0455030	0.22218334	2.6997801	21	5 14.9	19.9
224450 2005 VW_{9}	16.6	X	353.76252	322.19587	355.31151	4.66680	0.2838835	0.24061714	2.5600690	21	8 20.9	17.9
224451 2005 VN_{15}	15.9	X	252.26446	246.54565	97.38786	12.63361	0.2180898	0.22505081	2.6767984	21	4 16.2	20.5
224452 2005 VC_{17}	15.7	X	283.25551	276.09368	158.32074	13.09536	0.1528248	0.23952248	2.5678631	21	9 26.4	18.7
224453 2005 VY_{24}	15.4	X	262.61355	206.42760	242.28546	12.24110	0.1403121	0.23800842	2.5787416	21	9 9.2	19.1
224454 2005 VJ_{25}	16.1	X	59.11424	260.71910	358.84822	5.31109	0.0965804	0.23798520	2.5789094	21	9 8.6	19.3
224455 2005 VR_{27}	16.0	X	359.64257	220.94079	33.78160	13.91819	0.1311565	0.22768867	2.6560838	21	5 19.3	18.9
224456 2005 VA_{28}	15.1	X	20.08627	347.30002	118.86254	11.49044	0.0441805	0.18938414	3.0031266	21	—	—
224457 2005 VU_{30}	16.2	X	185.75430	323.24174	76.81996	6.56451	0.0735087	0.21822540	2.7323260	21	4 23.5	20.3
224458 2005 VT_{34}	16.0	X	332.48163	114.95806	191.59335	5.21828	0.0867757	0.23232803	2.6206054	21	6 21.8	19.1
224459 2005 VM_{37}	16.3	X	267.84044	219.03677	214.25648	6.82260	0.1937962	0.23719978	2.5845991	21	8 21.1	19.9
224460 2005 VU_{37}	16.8	X	22.85847	4.07277	264.34657	3.07531	0.0761224	0.23427087	2.6060967	21	7 22.0	19.9
224461 2005 VY_{39}	16.0	X	310.37005	108.99507	175.76163	9.48552	0.1369163	0.22463769	2.6800792	21	4 12.2	19.4
224462 2005 VT_{41}	16.3	X	314.62700	263.42495	136.43814	8.67339	0.1517700	0.24199867	2.5503164	21	10 4.2	18.9
224463 2005 VW_{41}	16.0	X	279.62892	268.03171	204.54748	11.24403	0.2313185	0.24357814	2.5392795	21	10 30.3	18.7
224464 2005 VP_{43}	16.5	X	295.11685	339.13928	22.82818	3.88176	0.2241778	0.23375844	2.6099039	21	6 18.8	19.7
224465 2005 VE_{44}	17.0	X	185.72979	282.25898	7.61688	6.59685	0.1415479	0.27587524	2.3370118	21	—	—
224466 2005 VH_{52}	16.8	X	302.28916	274.89726	138.46896	5.70655	0.1737626	0.24283630	2.5444484	21	9 26.1	19.3
224467 2005 VL_{54}	16.8	X	23.96387	153.43072	116.67874	3.97173	0.1603723	0.23372873	2.6101250	21	8 5.8	19.2
224468 2005 VE_{55}	16.6	X	195.39023	265.41310	197.00441	7.74680	0.0822792	0.23079160	2.6322232	21	7 19.8	20.6
224469 2005 VX_{55}	16.6	X	122.23507	288.61420	295.67380	3.09802	0.1805541	0.24271429	2.5453010	21	10 12.4	20.8
224470 2005 VA_{56}	17.1	X	199.05871	95.66657	12.36115	4.30720	0.1067419	0.23320493	2.6140320	21	8 2.5	21.1
224471 2005 VS_{62}	16.5	X	177.23896	288.99985	206.04366	8.86543	0.1551718	0.23747800	2.5825800	21	8 9.6	20.8
224472 2005 VQ_{69}	15.7	X	359.24754	346.40763	222.02328	11.95769	0.0806372	0.21420134	2.7664401	21	3 18.0	19.2
224473 2005 VU_{71}	15.5	X	34.03971	169.82037	67.50709	14.19006	0.1316618	0.22613456	2.6682391	21	7 1.9	18.6
224474 2005 VL_{73}	16.6	X	342.91568	95.41885	189.28836	4.36447	0.0340925	0.22525767	2.6751594	21	6 12.2	20.0
224475 2005 VT_{73}	16.4	X	91.82148	12.68077	183.20923	4.02368	0.0155530	0.22793527	2.6541677	21	7 13.3	20.0
224476 2005 VT_{74}	17.2	X	249.00821	327.68029	98.19290	3.48021	0.1709601	0.23266117	2.6181033	21	7 25.5	20.8
224477 2005 VU_{74}	16.2	X	102.91728	42.41671	86.66144	6.14320	0.0648587	0.21714908	2.7413473	21	5 9.0	19.9
224478 2005 VN_{75}	15.8	X	232.46648	157.08859	285.55905	11.79460	0.2543636	0.22881814	2.6473361	21	7 20.6	20.2
224479 2005 VA_{83}	16.3	X	104.49738	334.65788	206.07060	8.16662	0.0847914	0.22712234	2.6604973	21	7 18.4	20.1
224480 2005 VH_{86}	16.3	X	293.81460	253.15768	126.01854	4.64328	0.1021665	0.23380844	2.6095318	21	7 31.9	19.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
224481 2005 VZ_{86}	15.2	X	316.97133	338.36474	116.50625	9.53100	0.0809362	0.17718020	3.1394912	21	12 10.3	19.3
224482 2005 VN_{91}	16.5	X	333.74165	176.53517	159.19979	2.72307	0.2304492	0.23669787	2.5882515	21	7 23.0	18.7
224483 2005 VQ_{98}	15.6	X	247.77546	133.03916	313.17014	12.60527	0.1160219	0.23728045	2.5840133	21	8 24.5	19.1
224484 2005 VB_{100}	17.2	X	118.23476	149.91485	23.09544	9.06728	0.1571690	0.23025395	2.6363192	21	8 7.3	21.3
224485 2005 VP_{106}	16.3	X	266.11934	61.76231	223.58694	5.77398	0.0560774	0.21611369	2.7500961	21	2 24.8	20.4
224486 2005 VW_{116}	16.2	X	21.90959	276.37292	40.37657	14.34521	0.2149767	0.24324907	2.5415691	21	10 22.2	18.9
224487 2005 VZ_{123}	17.1	X	250.25208	348.75317	37.14320	3.08698	0.1036822	0.22689973	2.6622371	21	6 11.5	20.9
224488 2005 WQ_{1}	15.4	X	337.46966	351.55510	16.57607	27.47784	0.2277152	0.24021096	2.5629542	21	10 2.9	17.4
224489 2005 WT_{2}	16.2	X	242.96235	167.82127	203.61764	14.80909	0.1440695	0.22612786	2.6682919	21	5 12.8	20.4
224490 2005 WK_{3}	15.8	X	283.71903	133.65678	227.85887	13.77592	0.1791104	0.23086779	2.6316441	21	6 9.6	19.4
224491 2005 WB_{7}	16.3	X	307.57070	260.10931	77.77863	4.59518	0.1299033	0.23135241	2.6279677	21	6 19.9	19.4
224492 2005 WQ_{7}	15.6	X	207.59441	208.21457	249.17020	12.47206	0.0886347	0.22996068	2.6385601	21	7 24.5	19.8
224493 2005 WS_{7}	16.5	X	243.54278	269.81694	178.86558	4.00170	0.1695501	0.23483689	2.6019074	21	8 17.3	20.2
224494 2005 WN_{9}	16.8	X	121.40881	244.48296	258.90135	0.76046	0.0623374	0.22419797	2.6835824	21	6 18.5	20.4
224495 2005 WT_{16}	16.7	X	213.85411	138.40534	244.80703	1.20754	0.0852904	0.22019289	2.7160255	21	4 29.8	20.7
224496 2005 WU_{17}	17.0	X	170.55388	70.28242	61.31515	7.86164	0.2218404	0.22780348	2.6551913	21	8 4.3	21.6
224497 2005 WL_{20}	16.6	X	274.09647	317.61357	358.42647	2.60752	0.0590996	0.21948739	2.7218425	21	4 15.6	20.5
224498 2005 WA_{21}	16.6	X	299.59952	69.98578	303.54726	3.25876	0.1249726	0.23454388	2.6040739	21	7 29.2	19.6
224499 2005 WZ_{21}	16.2	X	244.83217	285.03765	53.33103	5.78994	0.1715862	0.22047218	2.7137314	21	4 2.4	20.5
224500 2005 WB_{24}	16.3	X	308.31965	348.24076	20.12654	2.62679	0.1633727	0.23623224	2.5916515	21	7 31.6	19.1
224501 2005 WP_{27}	16.3	X	322.81087	302.75613	42.15024	2.44216	0.1859679	0.23496803	2.6009392	21	7 20.0	18.8
224502 2005 WD_{28}	16.8	X	259.03965	58.84260	51.13705	5.26917	0.1728156	0.24031818	2.5621918	21	10 6.5	20.1
224503 2005 WF_{28}	16.7	X	119.11978	194.74680	286.04881	2.79950	0.0381351	0.21916311	2.7245268	21	5 12.5	20.5
224504 2005 WQ_{28}	17.4	X	249.01543	133.79166	339.76584	1.37788	0.0609320	0.24028272	2.5624438	21	10 12.6	20.9
224505 2005 WQ_{29}	17.0	X	212.56662	100.78195	19.15284	2.23856	0.1522781	0.23334814	2.6129623	21	8 28.4	21.0
224506 2005 WA_{32}	16.2	X	265.54635	318.03140	48.93839	4.99794	0.1728578	0.22751547	2.6574316	21	5 26.5	19.9
224507 2005 WJ_{35}	15.9	X	315.81823	279.91782	65.29917	4.81309	0.1993609	0.23390725	2.6087968	21	7 3.9	18.7
224508 2005 WL_{37}	16.2	X	296.38293	273.65832	109.00616	1.55041	0.0265402	0.23295635	2.6158912	21	8 20.9	19.5
224509 2005 WU_{37}	16.0	X	124.74188	195.85203	244.09768	3.35915	0.0385389	0.21193796	2.7861012	21	3 27.4	19.8
224510 2005 WW_{41}	16.0	X	239.74329	343.26820	239.09569	4.28299	0.1206940	0.19628607	2.9323089	21	—	—
224511 2005 WE_{43}	16.7	X	241.03542	331.55665	63.87941	4.05821	0.1024469	0.22644207	2.6658229	21	6 13.5	20.6
224512 2005 WT_{47}	17.2	X	86.28378	167.70740	357.77400	1.01333	0.0091871	0.22154800	2.7049391	21	5 24.7	20.9
224513 2005 WS_{48}	16.6	X	345.70643	310.77793	47.55769	1.92302	0.1111649	0.23874940	2.5734033	21	9 30.4	19.3
224514 2005 WK_{67}	16.7	X	256.84831	179.98115	208.65013	1.84368	0.0703488	0.22874140	2.6479282	21	6 27.9	20.2
224515 2005 WT_{70}	16.7	X	358.88697	299.01258	71.02406	2.73618	0.0943124	0.24338493	2.5406232	21	11 8.5	19.5
224516 2005 WD_{71}	16.4	X	228.48776	357.90417	37.46378	8.47263	0.0821564	0.22544170	2.6737033	21	5 30.8	20.3
224517 2005 WG_{71}	16.5	X	293.83465	321.11272	55.39224	4.16041	0.2422248	0.23505990	2.6002615	21	7 4.8	19.8
224518 2005 WT_{71}	16.2	X	308.90554	0.73152	348.57133	4.77986	0.1086632	0.23294598	2.6159689	21	7 12.9	19.4
224519 2005 WH_{72}	16.3	X	332.87602	266.51788	104.45905	14.02536	0.1763061	0.24346072	2.5400959	21	10 2.0	18.9
224520 2005 WO_{72}	15.8	X	11.99071	358.33613	262.65673	10.63753	0.0350046	0.22565996	2.6719790	21	6 22.1	19.2
224521 2005 WY_{72}	15.5	X	138.12144	215.00581	262.49824	14.07196	0.0838967	0.22049652	2.7135316	21	6 6.9	19.3
224522 2005 WS_{74}	15.8	X	235.79787	304.30174	143.96739	14.31311	0.1338330	0.23279729	2.6170826	21	8 12.9	19.7
224523 2005 WG_{77}	16.7	X	288.03768	314.60088	29.29786	2.56307	0.2130595	0.22866624	2.6485084	21	5 17.1	20.2
224524 2005 WQ_{80}	16.8	X	38.63863	272.63488	40.62555	1.37859	0.0967730	0.24066322	2.5597422	21	10 22.3	20.0
224525 2005 WU_{83}	16.4	X	90.47302	169.57777	50.67058	4.94424	0.0752077	0.23207950	2.6224760	21	8 26.3	20.0
224526 2005 WC_{89}	17.1	X	288.37641	284.11859	105.37679	0.21658	0.1812442	0.23572859	2.5953417	21	7 25.1	20.0
224527 2005 WC_{90}	16.3	X	260.80712	342.52860	54.34702	3.55936	0.1410412	0.23160012	2.6260935	21	7 4.5	20.1
224528 2005 WS_{91}	16.6	X	272.87360	200.42369	187.25358	1.61764	0.1806872	0.23245125	2.6196793	21	6 30.9	20.2
224529 2005 WP_{99}	16.4	X	320.20016	196.40396	147.10699	1.00416	0.1239280	0.23273319	2.6175632	21	7 20.5	19.3
224530 2005 WJ_{101}	17.2	X	220.93429	276.72750	179.45292	1.71358	0.0380009	0.23318738	2.6141631	21	8 16.3	20.6
224531 2005 WF_{105}	15.7	X	151.03725	345.28325	162.53036	14.11360	0.0925052	0.22778723	2.6553176	21	7 30.4	19.8
224532 2005 WH_{105}	16.4	X	216.73022	212.19921	198.20840	13.63638	0.2532848	0.22584470	2.6705217	21	5 30.6	21.2
224533 2005 WS_{105}	16.4	X	333.92117	160.67814	192.37897	13.00011	0.2783285	0.24038969	2.5616836	21	8 13.2	18.5
224534 2005 WV_{110}	16.5	X	246.35917	154.46269	227.12012	2.07475	0.1505134	0.22669523	2.6638379	21	5 27.6	20.3
224535 2005 WH_{114}	16.2	X	246.68951	306.59227	46.45192	8.84085	0.1997781	0.22318838	2.6916691	21	4 19.2	20.5
224536 2005 WQ_{116}	16.0	X	206.51926	352.48678	91.03824	10.32858	0.0929488	0.22671382	2.6636923	21	7 8.8	19.9
224537 2005 WK_{119}	16.0	X	234.64496	146.63777	273.00423	11.14162	0.1714020	0.22829340	2.6513912	21	7 1.2	20.1
224538 2005 WB_{120}	16.5	X	303.42427	330.94366	59.04348	4.75669	0.2127145	0.23694402	2.5864587	21	8 17.2	19.2
224539 2005 WN_{120}	15.7	X	136.79974	29.95772	84.11862	10.69182	0.1241300	0.21847044	2.7302826	21	6 5.3	19.7
224540 2005 WX_{120}	16.4	X	245.17507	281.83143	89.05680	3.26375	0.2182026	0.22563609	2.6721675	21	5 7.6	20.6
224541 2005 WQ_{123}	16.7	X	47.30774	59.82544	212.26296	1.31939	0.0705338	0.23931732	2.5693304	21	9 3.4	19.7
224542 2005 WA_{131}	16.3	X	302.80258	220.55330	67.90209	5.87485	0.1252788	0.22006368	2.7170886	21	4 9.9	19.9
224543 2005 WJ_{132}	15.8	X	220.72969	59.90990	250.77320	8.25707	0.1984325	0.21071925	2.7968332	21	2 3.0	20.7
224544 2005 WD_{134}	16.2	X	207.39461	343.32909	94.36395	6.04467	0.0709611	0.22350539	2.6891233	21	7 3.3	20.2
224545 2005 WM_{134}	15.0	X	111.26965	249.14252	98.00788	23.13294	0.1479572	0.19244190	2.9712301	21	—	—
224546 2005 WE_{141}	16.5	X	324.49917	242.73353	67.39111	2.39001	0.1284894	0.22921457	2.6442828	21	6 8.3	19.4
224547 2005 WY_{147}	16.0	X	217.40700	261.68055	273.42508	1.57636	0.0257749	0.18216604	3.0819418	21	11 16.7	20.4
224548 2005 WZ_{147}	16.5	X	245.33664	255.75974	71.47764	9.21848	0.2858837	0.21948325	2.7218768	21	3 16.3	21.4
224549 2005 WV_{148}	16.3	X	217.37222	193.05403	195.64764	12.81753	0.1895835	0.22368387	2.6876927	21	5 7.6	20.8
224550 2005 WW_{148}	16.1	X	76.97007	105.42142	21.07573	4.58984	0.0214525	0.21294576	2.7773037	21	3 25.2	19.8
224551 2005 WF_{149}	16.9	X	277.04508	23.87213	12.42015	4.54128	0.1745730	0.23358073	2.6112275	21	7 20.7	20.4
224552 2005 WH_{150}	16.0	X	297.70306	317.77471	11.51529	5.60451	0.1927462	0.22971433	2.6404462	21	5 12.1	19.5
224553 2005 WE_{151}	16.8	X	324.05916	32.77752	353.77599	3.33761	0.3188876	0.24166855	2.5526384	21	9 11.2	18.2
224554 2005 WB_{152}	15.8	X	300.71808	0.91695	50.23444	12.65094	0.1454352	0.23948204	2.5681522	21	9 28.4	18.8
224555 2005 WO_{156}	16.0	X	179.02556	194.41742	206.93651	11.35106	0.0606005	0.21594665	2.7515141	21	4 14.8	20.1
224556 2005 WU_{156}	16.3	X	303.06125	11.00321	328.98850	1.42597	0.0929025	0.22908482	2.6452812	21	6 21.8	19.6
224557 2005 WL_{158}	16.0	X	169.54536	354.62234	88.06537	11.43023	0.2969826	0.21756239	2.7378743	21	6 4.3	21.1
224558 2005 WC_{176}	16.0	X	215.43667	265.87445	75.65025	8.48402	0.2314090	0.21274788	2.7790256	21	3 13.1	20.9
224559 2005 WU_{178}	16.7	X	244.21632	43.82522	42.00046	17.71411	0.1497106	0.23491570	2.6013254	21	8 27.9	20.8
224560 2005 WE_{179}	16.1	X	333.84405	351.97761	344.31941	6.15418	0.2177626	0.23754074	2.5821253	21	7 28.4	18.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
224561 2005 WH_{181}	16.3	X	244.17190	265.59255	198.14620	12.27077	0.1656919	0.23630395	2.5911272	21	9 5.5	20.1
224562 2005 WB_{187}	16.8	X	158.36013	35.37731	27.33166	2.02089	0.0746456	0.21619796	2.7493814	21	4 19.6	20.7
224563 2005 WC_{189}	15.5	X	333.91249	90.72280	241.71736	14.03465	0.1089477	0.23249118	2.6193793	21	7 25.2	18.7
224564 2005 WM_{190}	15.9	X	248.89296	342.37171	93.87550	16.02939	0.0545464	0.23436122	2.6054269	21	8 30.1	19.7
224565 2005 WK_{191}	15.8	X	177.77148	155.63289	320.86845	14.51684	0.1779114	0.23027148	2.6361853	21	7 22.6	20.2
224566 2005 WA_{192}	16.8	X	162.68228	258.34704	187.62809	9.27807	0.2108278	0.22100830	2.7093410	21	5 31.7	21.5
224567 2005 WT_{195}	15.1	X	302.57690	344.35981	119.68737	8.42588	0.0971467	0.17846643	3.1243884	21	11 30.4	19.2
224568 2005 WX_{208}	16.3	X	267.57811	80.56407	115.82434	1.10655	0.1647025	0.19154822	2.9804646	21	—	—
224569 2005 XA_{2}	16.5	X	335.12073	33.48934	272.33697	1.44242	0.0473849	0.22790619	2.6543935	21	6 28.8	19.7
224570 2005 XY_{2}	16.5	X	183.51751	2.90874	6.50460	3.27971	0.1053156	0.21296280	2.7771556	21	3 13.6	20.8
224571 2005 XE_{6}	15.7	X	155.67972	126.61180	38.48549	17.02618	0.1352356	0.23144513	2.6272658	21	9 8.2	20.1
224572 2005 XO_{6}	17.0	X	250.96649	305.30519	138.32090	0.82048	0.0601278	0.23579851	2.5948286	21	9 5.2	20.3
224573 2005 XQ_{8}	16.6	X	144.24306	95.55880	349.65593	4.02935	0.0361272	0.22157052	2.7047558	21	4 26.4	20.3
224574 2005 XM_{18}	16.0	X	286.68320	260.21458	105.16427	6.88583	0.0754021	0.22650025	2.6653665	21	7 5.9	19.2
224575 2005 XP_{22}	17.0	X	236.93741	24.22415	12.66690	3.45725	0.1931540	0.22820344	2.6520880	21	6 2.1	21.3
224576 2005 XJ_{25}	16.4	X	280.56244	270.42164	53.13680	6.69492	0.2961650	0.22790552	2.6543987	21	4 5.3	20.7
224577 2005 XG_{26}	16.1	X	232.12468	293.82688	93.60916	12.49727	0.1987761	0.22298465	2.6933083	21	5 20.0	20.6
224578 2005 XY_{27}	16.3	X	280.51885	261.09267	126.25096	16.16349	0.1384791	0.23620590	2.5918442	21	7 17.5	19.6
224579 2005 XP_{28}	16.2	X	284.96580	286.81737	146.73212	7.35780	0.1791566	0.23951916	2.5678868	21	9 23.3	19.1
224580 2005 XR_{29}	16.3	X	307.46756	277.26657	115.33342	5.29375	0.1435239	0.23808900	2.5781598	21	9 8.5	19.0
224581 2005 XE_{38}	16.8	X	154.32280	343.74644	49.80269	2.25578	0.0522285	0.20737722	2.8268018	21	3 9.4	20.7
224582 2005 XY_{48}	16.2	X	195.97425	77.90389	308.89186	5.40577	0.0427167	0.21456981	2.7632720	21	4 12.9	20.3
224583 2005 XF_{59}	16.5	X	64.21076	172.52320	19.22849	2.04248	0.0111785	0.22064145	2.7123432	21	5 30.4	20.0
224584 2005 XE_{61}	16.4	X	225.84304	355.87611	68.18511	5.24969	0.1018936	0.22738063	2.6584821	21	7 4.3	20.4
224585 2005 XE_{63}	16.0	X	264.96206	228.10748	56.82822	4.65383	0.0660774	0.20991066	2.8040111	21	2 27.6	20.0
224586 2005 XD_{64}	15.4	X	184.63833	309.07863	123.90890	16.14647	0.2812337	0.22009781	2.7168077	21	6 5.2	20.5
224587 2005 XQ_{65}	16.2	X	165.67848	157.27007	274.51494	7.81698	0.2227768	0.21637661	2.7478679	21	5 15.0	21.0
224588 2005 XB_{66}	16.3	X	305.71633	226.95123	181.46038	8.53053	0.1549019	0.23948975	2.5680970	21	9 25.1	18.7
224589 2005 XF_{70}	15.8	X	184.77314	309.90379	51.94912	9.00343	0.0690283	0.20926453	2.8097799	21	3 8.9	20.1
224590 2005 XO_{74}	16.6	X	188.38420	82.31319	5.60099	4.65194	0.1387231	0.22228995	2.6989168	21	6 24.1	21.0
224591 2005 XG_{103}	16.1	X	141.37762	214.91278	115.74608	3.48926	0.0544733	0.18868612	3.0105285	21	—	—
224592 Carnac	16.3	X	93.01400	302.13375	106.73665	3.18597	0.0716919	0.19787389	2.9166012	21	1 15.9	20.3
224593 2005 YR_{7}	16.5	X	121.59903	0.01342	107.81143	4.04104	0.1448745	0.21229648	2.7829636	21	5 14.8	20.7
224594 2005 YB_{8}	16.2	X	238.55001	77.85768	293.03017	7.95836	0.2647002	0.22017323	2.7161873	21	4 25.1	21.1
224595 2005 YC_{8}	16.0	X	243.43766	183.11346	327.53075	0.68275	0.1344031	0.17591340	3.1545453	21	11 2.7	20.4
224596 2005 YF_{15}	15.9	X	177.71328	292.32524	321.87957	1.23862	0.0587169	0.18166533	3.0876023	21	—	—
224597 2005 YX_{15}	15.8	X	239.28025	245.94203	287.63947	2.97098	0.0762837	0.17860902	3.1227254	21	12 3.3	20.1
224598 2005 YJ_{22}	15.7	X	196.84969	230.68164	91.80547	3.07091	0.0804888	0.20017320	2.8942237	21	1 30.8	20.0
224599 2005 YE_{24}	16.1	X	230.13169	103.56562	137.26729	1.53114	0.0181243	0.19123778	2.9836893	21	—	—
224600 2005 YY_{27}	16.2	X	292.51009	177.70755	69.02046	3.07920	0.0075623	0.20215277	2.8752983	21	2 21.2	20.2
224601 2005 YD_{32}	15.5	X	127.69809	226.53102	109.64367	10.66861	0.0550761	0.18849854	3.0125254	21	—	—
224602 2005 YJ_{40}	15.5	X	88.72458	2.36113	294.31598	13.88488	0.1991736	0.17542230	3.1604300	21	12 1.7	20.7
224603 2005 YT_{42}	16.4	X	108.34658	305.21302	127.22179	3.01162	0.0461021	0.20356682	2.8619677	21	3 1.9	20.3
224604 2005 YR_{44}	15.4	X	108.76767	34.70721	255.40250	3.89866	0.1481321	0.17870247	3.1216366	21	12 9.3	20.4
224605 2005 YU_{44}	16.7	X	134.08421	225.74845	172.32614	2.07629	0.0716359	0.20353547	2.8622615	21	2 20.9	20.8
224606 2005 YR_{46}	15.7	X	334.52147	345.56046	284.02391	4.34074	0.0266672	0.21351365	2.7723770	21	5 10.1	19.4
224607 2005 YG_{48}	15.9	X	88.99462	27.06974	314.07924	1.64248	0.0995722	0.18385372	3.0630524	21	—	—
224608 2005 YV_{49}	16.1	X	348.78700	325.68446	148.17151	2.16231	0.0205073	0.18857255	3.0117371	21	—	—
224609 2005 YS_{59}	15.8	X	257.72101	261.24793	141.47047	15.69444	0.1509665	0.22989466	2.6390652	21	7 6.9	19.7
224610 2005 YR_{62}	15.5	X	256.48452	189.36801	91.99334	4.88936	0.0715378	0.20339103	2.8636165	21	2 13.4	19.8
224611 2005 YV_{63}	16.6	X	144.11489	47.96964	336.02282	1.22698	0.0788227	0.20301467	2.8671545	21	2 16.6	20.6
224612 2005 YL_{67}	16.1	X	290.15073	233.78599	63.21423	3.17768	0.0395428	0.21198498	2.7856892	21	4 16.7	19.7
224613 2005 YR_{68}	16.6	X	88.27566	82.26059	0.94073	1.60140	0.0472502	0.20264424	2.8706475	21	2 17.5	20.3
224614 2005 YD_{69}	16.2	X	143.57117	192.00891	48.78302	2.40183	0.0578414	0.17561252	3.1581474	21	11 10.9	21.0
224615 2005 YW_{69}	16.5	X	161.39413	58.56502	46.40585	2.60478	0.0376274	0.21808208	2.7335230	21	6 14.6	20.4
224616 2005 YG_{70}	16.1	X	114.97134	324.45694	66.93017	2.95992	0.0720796	0.19790036	2.9163412	21	1 22.9	20.1
224617 Micromégas	16.4	X	168.72843	185.79552	108.54691	2.19729	0.0650499	0.18966156	3.0001974	21	—	—
224618 2005 YB_{75}	16.4	X	177.26724	333.78693	16.98107	2.02955	0.0812179	0.20381314	2.8596613	21	2 12.9	20.7
224619 2005 YY_{86}	16.0	X	179.60347	138.43425	108.38669	2.31584	0.1262889	0.18129842	3.0917666	21	12 22.9	20.7
224620 2005 YK_{98}	16.6	X	209.71263	137.99747	208.73993	2.92286	0.1028703	0.21420224	2.7664323	21	3 10.6	20.8
224621 2005 YL_{98}	17.1	X	221.43506	260.57783	172.07806	1.96194	0.1840865	0.22905698	2.6454955	21	7 3.9	21.4
224622 2005 YL_{100}	15.9	X	194.37694	160.27608	294.39514	7.95143	0.0835759	0.22372130	2.6873929	21	7 10.4	19.9
224623 2005 YO_{101}	16.4	X	169.73002	302.40514	112.62799	1.56561	0.0656874	0.21382360	2.7696972	21	4 22.9	20.5
224624 2005 YR_{103}	15.8	X	79.00944	348.78797	98.28817	3.58726	0.0736583	0.20253405	2.8716886	21	2 14.1	19.6
224625 2005 YX_{108}	16.4	X	102.73246	232.40435	186.11964	1.78838	0.0541023	0.20080166	2.8881818	21	2 5.8	20.2
224626 2005 YV_{113}	16.2	X	321.51377	222.38242	59.41393	4.50178	0.0589838	0.21367621	2.7709707	21	5 5.9	19.9
224627 2005 YB_{123}	16.1	X	241.29477	18.58896	30.87385	7.40723	0.0974388	0.22542794	2.6738121	21	7 3.8	20.1
224628 2005 YF_{141}	16.8	X	104.94796	348.43888	348.29149	1.75026	0.0656527	0.18737489	3.0245572	21	—	—
224629 2005 YN_{141}	15.7	X	94.14122	258.22255	44.97928	2.21873	0.0300061	0.17792772	3.1306917	21	11 28.5	20.2
224630 2005 YF_{152}	16.0	X	105.76385	346.90390	67.69924	3.07115	0.0624553	0.19937653	2.9019284	21	2 7.9	19.9
224631 2005 YG_{155}	16.2	X	212.09253	98.05361	306.40534	10.79428	0.1396025	0.22095389	2.7097857	21	5 20.7	20.7
224632 2005 YM_{156}	15.5	X	309.47256	217.88543	255.36931	3.82698	0.1548049	0.18253648	3.0777707	21	12 17.5	19.0
224633 2005 YS_{162}	16.3	X	192.57207	281.67385	127.07881	4.29428	0.1970770	0.21808890	2.7334660	21	5 11.1	20.9
224634 2005 YD_{163}	16.2	X	227.17255	143.28272	165.19512	2.37554	0.0509152	0.20363005	2.8613752	21	2 13.6	20.5
224635 2005 YW_{164}	15.6	X	84.76920	152.03707	294.88273	11.78003	0.0940355	0.20328886	2.8645759	21	2 19.0	19.5
224636 2005 YE_{166}	16.2	X	109.44270	252.16113	164.67153	2.46657	0.0727814	0.20107203	2.8855921	21	2 14.9	20.3
224637 2005 YG_{166}	16.2	X	158.77493	267.28067	144.45131	5.04690	0.0683141	0.21029201	2.8006201	21	4 8.2	20.2
224638 2005 YZ_{172}	16.2	X	288.54866	15.90760	3.92079	5.62216	0.2652921	0.23251646	2.6191894	21	6 28.2	19.7
224639 2005 YA_{174}	15.7	X	247.39146	273.70441	109.32274	12.42981	0.1963939	0.22454855	2.6807884	21	5 28.7	20.0
224640 2005 YB_{174}	15.4	X	38.80139	258.90960	260.72649	7.99748	0.0726497	0.20511408	2.8475568	21	3 15.3	19.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
224641 2005 YN_{175}	15.8	X	252.41982	217.21335	74.18823	3.17062	0.0274124	0.20308949	2.8664503	21	2 25.2	19.8
224642 2005 YK_{190}	15.7	X	104.77185	0.39219	309.50850	3.49403	0.0728095	0.18089065	3.0964113	21	12 23.1	20.2
224643 2005 YK_{192}	15.6	X	203.53130	96.69491	99.63581	2.87583	0.0721668	0.17493577	3.1662871	21	11 21.3	20.4
224644 2005 YM_{196}	16.6	X	221.06422	306.55889	326.77702	1.30669	0.0558748	0.19651248	2.9300562	21	—	—
224645 2005 YZ_{201}	15.3	X	103.97023	215.11899	112.06877	5.03297	0.1549522	0.18472569	3.0534057	21	—	—
224646 2005 YQ_{208}	15.9	X	62.20006	73.43106	32.59815	11.61874	0.1195387	0.20118563	2.8845058	21	2 24.3	19.6
224647 2005 YC_{210}	15.9	X	329.05020	318.92781	56.65775	8.66736	0.1618726	0.23746510	2.5826736	21	9 26.7	18.4
224648 2005 YS_{217}	16.3	X	1.35664	74.67624	57.10644	2.30153	0.1372325	0.19688898	2.9263197	21	—	—
224649 2005 YT_{225}	16.9	X	304.23399	200.79990	150.05244	1.78350	0.1633640	0.22837414	2.6507663	21	6 27.7	19.9
224650 2005 YF_{235}	16.1	X	300.42330	181.56194	318.44372	1.90366	0.1121224	0.18532750	3.0467920	21	—	—
224651 2005 YG_{251}	16.9	X	150.52280	179.66941	206.88086	1.92236	0.1656933	0.20453726	2.8529080	21	3 6.1	21.5
224652 2005 YJ_{253}	15.6	X	165.96440	248.24610	332.70424	3.68415	0.1273396	0.17234432	3.1979480	21	11 8.4	20.8
224653 2005 YO_{266}	15.0	X	130.97715	230.69337	98.95065	11.98199	0.0826274	0.19014286	2.9951325	21	—	—
224654 2005 YQ_{274}	16.5	X	44.17648	40.48951	353.08821	1.90664	0.1365889	0.18522778	3.0478854	21	—	—
224655 2005 YR_{280}	15.9	X	27.18002	263.10758	139.77898	1.72702	0.0174599	0.18300229	3.0725458	21	—	—
224656 2005 YG_{282}	16.7	X	281.96020	295.44214	32.93863	1.80159	0.0741188	0.22163535	2.7042284	21	5 10.1	20.3
224657 2005 YW_{282}	15.9	X	329.58196	143.67577	17.02386	1.95283	0.0431898	0.19743644	2.9209077	21	—	—
224658 2005 YM_{287}	14.6	X	3.60269	268.00826	135.66212	22.78104	0.0094709	0.17691296	3.1426519	21	12 11.9	19.4
224659 2006 AR	16.7	X	158.60321	234.40650	217.03473	7.27939	0.1250816	0.22047283	2.7137260	21	5 30.2	20.9
224660 2006 AY	16.2	X	41.18554	316.84324	154.89742	4.10852	0.1340265	0.19749174	2.9203625	21	1 23.3	19.6
224661 2006 AV_{5}	14.8	X	160.16927	164.76139	92.12031	11.81162	0.1842233	0.17786023	3.1314837	21	12 15.7	20.0
224662 2006 AF_{7}	15.5	X	74.33952	358.87339	86.20735	13.11087	0.0025081	0.19705769	2.9246492	21	1 30.8	19.7
224663 2006 AJ_{7}	15.3	X	197.15030	289.01906	93.20605	13.84453	0.2233548	0.21212643	2.7844507	21	4 18.4	20.3
224664 2006 AJ_{13}	15.7	X	206.18497	254.86916	90.29812	14.60770	0.1326670	0.21132896	2.7914512	21	3 13.3	20.4
224665 2006 AV_{15}	14.8	X	62.08755	262.77738	49.59141	14.68305	0.0585062	0.17203596	3.2017683	21	11 5.8	19.2
224666 2006 AV_{18}	14.9	X	310.45125	38.23622	69.32829	12.10864	0.0420249	0.17810470	3.1286175	21	12 17.3	19.1
224667 2006 AV_{26}	16.0	X	274.66762	128.04284	47.57143	2.21347	0.1165667	0.18574211	3.0422563	21	—	—
224668 2006 AD_{27}	16.0	X	56.24597	342.53622	122.86269	3.32569	0.0691892	0.19733403	2.9219182	21	2 4.9	19.8
224669 2006 AA_{32}	16.2	X	100.72080	52.88491	49.77948	8.96961	0.1003388	0.20669715	2.8329988	21	4 9.2	20.0
224670 2006 AB_{42}	16.1	X	136.61553	117.47611	351.13629	8.33078	0.2460917	0.21439476	2.7647759	21	6 6.6	20.8
224671 2006 AM_{44}	15.1	X	95.09623	233.26705	113.19113	11.98441	0.1475602	0.18460492	3.0547373	21	—	—
224672 2006 AY_{45}	16.3	X	157.78415	220.96734	190.99831	1.74177	0.0679391	0.20905287	2.8116761	21	4 5.6	20.5
224673 2006 AF_{49}	16.4	X	90.86015	21.92189	30.08344	2.24262	0.0546274	0.19906102	2.9049940	21	1 14.9	20.3
224674 2006 AS_{55}	16.2	X	201.32642	5.98585	47.75248	2.57743	0.0702534	0.21899400	2.7259292	21	5 25.8	20.3
224675 2006 AV_{56}	16.0	X	247.60822	277.31414	71.82373	2.27218	0.0907633	0.21494619	2.7600454	21	4 24.5	20.1
224676 2006 AD_{58}	16.1	X	214.48974	28.27630	240.03917	2.54163	0.0620370	0.18907873	3.0063596	21	—	—
224677 2006 AW_{58}	16.3	X	69.34311	132.74249	313.22698	0.99603	0.0535100	0.19840531	2.9113910	21	1 27.9	20.0
224678 2006 AZ_{58}	16.2	X	170.64179	275.30948	305.76298	0.08614	0.1428242	0.17444968	3.1721662	21	11 13.9	21.2
224679 2006 AL_{67}	15.3	X	186.37726	25.84306	276.78393	8.20869	0.0179179	0.19260396	2.9695633	21	—	—
224680 2006 AC_{71}	16.0	X	156.75269	226.61074	125.71020	3.05273	0.1295992	0.19657727	2.9294124	21	1 29.2	20.4
224681 2006 AR_{71}	15.2	X	68.06317	234.96270	130.48423	15.95506	0.1166710	0.18377977	3.0638740	21	—	—
224682 2006 AX_{71}	15.9	X	300.00787	272.62148	168.68555	2.13835	0.0627033	0.17397506	3.1779328	21	10 31.0	20.2
224683 2006 AP_{80}	16.2	X	95.80830	187.94821	212.63121	1.28032	0.0772387	0.19432453	2.9520087	21	1 10.7	20.1
224684 2006 AU_{83}	16.1	X	226.36583	293.01386	112.36442	15.86473	0.1812839	0.22143001	2.7058999	21	6 7.1	20.6
224685 2006 AU_{86}	16.3	X	133.99761	200.89260	264.18437	7.05044	0.1924931	0.21197732	2.7857563	21	5 27.5	20.6
224686 2006 AH_{90}	16.8	X	242.03935	145.91853	227.04157	1.18562	0.0991014	0.22252433	2.6970214	21	5 16.9	20.5
224687 2006 AQ_{91}	16.8	X	318.11023	160.79198	323.18649	1.68859	0.0507503	0.18470086	3.0536794	21	—	—
224688 2006 AQ_{96}	15.3	X	276.03124	333.60269	162.60015	10.82201	0.1713337	0.17760025	3.1345390	21	11 23.1	19.5
224689 2006 AC_{100}	16.5	X	191.04663	160.54872	57.48919	2.47144	0.1263840	0.17641092	3.1486114	21	11 29.6	21.5
224690 2006 BV_{10}	16.0	X	40.82683	296.71229	109.05512	2.95527	0.0616338	0.18471293	3.0535463	21	—	—
224691 2006 BL_{12}	15.4	X	319.72241	285.39872	188.41808	9.00543	0.1662221	0.18169882	3.0872228	21	—	—
224692 2006 BK_{22}	16.0	X	263.10688	96.86939	124.89397	2.22833	0.0251696	0.18944881	3.0024432	21	—	—
224693 Morganfreeman	15.6	X	180.53466	158.15090	111.30774	8.12175	0.0972809	0.18236596	3.0796891	21	—	—
224694 2006 BM_{27}	15.4	X	26.15692	213.10752	193.94496	9.42599	0.0626680	0.18386442	3.0629336	21	—	—
224695 2006 BD_{30}	15.8	X	51.30025	305.13616	47.36353	1.73655	0.0879591	0.17688912	3.1429343	21	12 14.7	20.1
224696 2006 BH_{31}	16.1	X	297.04236	41.25387	114.24698	2.39390	0.0438971	0.18371023	3.0646472	21	—	—
224697 2006 BT_{32}	15.9	X	25.30651	82.17082	11.17532	2.81776	0.1131527	0.18735479	3.0247734	21	—	—
224698 2006 BB_{33}	15.1	X	20.26934	89.69557	348.45983	9.15933	0.0678335	0.18279846	3.0748294	21	—	—
224699 2006 BN_{33}	15.5	X	350.48196	103.19649	347.53673	9.24052	0.0750613	0.17954413	3.1118734	21	—	—
224700 2006 BO_{54}	16.0	X	328.19630	355.41503	141.96643	3.64003	0.1824692	0.18443112	3.0566561	21	—	—
224701 2006 BE_{68}	15.4	X	70.94138	16.27580	324.13749	8.47766	0.0726038	0.17846157	3.1244452	21	12 21.9	20.1
224702 2006 BR_{75}	15.1	X	94.92512	208.01820	120.67215	11.32920	0.1616904	0.17927646	3.1149701	21	—	—
224703 2006 BO_{86}	15.8	X	51.09497	300.38062	95.70154	3.25754	0.0804499	0.18472706	3.0533907	21	—	—
224704 2006 BW_{88}	15.7	X	139.81840	271.31268	15.90574	1.76472	0.1283303	0.17745262	3.1362772	21	—	—
224705 2006 BU_{89}	14.8	X	126.40312	16.81753	326.10747	13.60864	0.2887268	0.18780398	3.0199484	21	1 9.3	19.6
224706 2006 BR_{102}	16.1	X	55.99562	139.52293	294.51717	3.06869	0.0694656	0.19097064	2.9864710	21	—	—
224707 2006 BW_{107}	15.4	X	96.53020	64.55198	322.77708	9.77918	0.0167271	0.19016519	2.9948980	21	—	—
224708 2006 BX_{114}	15.6	X	37.24059	245.02535	161.22171	9.28723	0.0511343	0.18191839	3.0847382	21	—	—
224709 2006 BL_{120}	15.8	X	164.93882	56.64338	240.48026	3.41410	0.1387659	0.18166503	3.0876056	21	—	—
224710 2006 BW_{131}	16.0	X	359.58783	311.13355	136.29195	2.22034	0.0564975	0.18017473	3.1046082	21	—	—
224711 2006 BN_{134}	15.2	X	165.92826	155.32794	123.96080	11.62258	0.0562107	0.18298886	3.0726961	21	—	—
224712 2006 BH_{138}	15.4	X	67.77900	204.06152	153.10109	11.75024	0.1113320	0.17770294	3.1333312	21	—	—
224713 2006 BW_{138}	16.0	X	4.59245	326.29204	214.36230	1.12294	0.0438790	0.19727085	2.9225421	21	2 26.3	19.7
224714 2006 BO_{152}	15.8	X	83.82283	319.88602	7.40358	4.91086	0.0274261	0.17570595	3.1570277	21	12 14.2	20.3
224715 2006 BT_{161}	15.4	X	335.22144	293.36664	192.42533	15.52930	0.0797432	0.18370150	3.0647444	21	—	—
224716 2006 BE_{164}	15.2	X	100.80990	34.92256	320.81774	6.02912	0.0650340	0.18500713	3.0503083	21	—	—
224717 2006 BX_{166}	15.3	X	19.80705	286.12351	143.29944	10.80075	0.0796865	0.18320239	3.0703081	21	—	—
224718 2006 BF_{169}	16.0	X	10.74746	33.66115	340.40366	6.29720	0.1137331	0.16989797	3.2285728	21	11 16.7	20.2
224719 2006 BA_{171}	16.5	X	234.98413	106.64540	219.92052	1.23317	0.0692013	0.20458949	2.8524223	21	3 15.0	20.8
224720 2006 BM_{177}	16.4	X	97.96505	291.05581	225.94335	2.48244	0.0302614	0.21301604	2.7766929	21	6 2.2	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
224721 2006 BQ_{180}	16.0	X	100.69584	203.22161	109.63219	2.57608	0.0260621	0.17614764	3.1517481	21	12 16.9	20.5
224722 2006 BD_{181}	14.8	X	12.88142	253.13531	141.17306	20.34961	0.1556758	0.17769474	3.1334276	21	12 25.5	19.0
224723 2006 BW_{190}	15.4	X	343.17658	332.96403	140.84150	6.99161	0.1413908	0.18195489	3.0843256	21	—	—
224724 2006 BP_{202}	15.7	X	190.12983	273.71574	61.54340	2.59609	0.1105694	0.19622258	2.9329415	21	2 10.2	20.3
224725 2006 BT_{206}	15.6	X	306.95358	346.60200	151.23309	4.10133	0.0662857	0.18338190	3.0683041	21	—	—
224726 2006 BE_{208}	15.4	X	94.93103	215.00171	171.27097	9.54978	0.1209918	0.18905813	3.0065780	21	—	—
224727 2006 BB_{232}	15.7	X	207.71113	172.14871	19.98914	4.41655	0.0865555	0.17395235	3.1782095	21	11 17.9	20.5
224728 2006 BF_{263}	14.9	X	357.26411	66.69724	344.19521	17.40515	0.1187954	0.17514734	3.1637369	21	12 15.2	19.2
224729 2006 BF_{268}	15.1	X	299.99301	144.64488	355.44016	11.24705	0.0980701	0.18017638	3.1045892	21	—	—
224730 2006 BT_{269}	15.1	X	315.48362	68.24651	71.56596	6.16150	0.1151493	0.18237222	3.0796186	21	—	—
224731 2006 CK_{9}	15.2	X	247.94198	337.69401	199.97602	7.78096	0.0630544	0.17728729	3.1382267	21	12 20.1	19.7
224732 2006 CO_{12}	16.5	X	201.15380	56.72753	299.02054	1.04790	0.0786978	0.20329384	2.8645290	21	3 14.6	20.9
224733 2006 CX_{27}	15.3	X	99.99967	235.65941	135.69486	10.58745	0.0795358	0.18900428	3.0071491	21	—	—
224734 2006 CG_{31}	15.5	X	133.53803	345.07689	275.62864	3.98607	0.0143082	0.17189504	3.2035179	21	11 20.6	20.2
224735 2006 DR_{1}	15.0	X	344.24843	102.10096	6.64857	8.42089	0.0262747	0.18200650	3.0837426	21	—	—
224736 2006 DN_{6}	15.2	X	13.39119	325.27076	160.42640	9.89071	0.1785381	0.18903126	3.0068629	21	—	—
224737 2006 DL_{7}	15.2	X	285.15497	313.02286	166.87618	6.77242	0.0893550	0.17249129	3.1961065	21	11 24.8	19.5
224738 2006 DZ_{37}	15.7	X	335.34515	312.19906	174.96794	7.85814	0.2622485	0.18263053	3.0767140	21	—	—
224739 2006 DQ_{41}	15.7	X	318.62556	154.85376	10.38775	4.77503	0.1399674	0.18500251	3.0503590	21	—	—
224740 2006 DZ_{42}	15.9	X	103.81547	248.29263	119.39820	0.96697	0.0741898	0.18500969	3.0502801	21	—	—
224741 2006 DO_{44}	15.9	X	301.84638	119.94478	29.98318	1.24097	0.1638758	0.18170837	3.0871147	21	—	—
224742 2006 DT_{44}	15.9	X	135.43246	14.65690	18.99297	2.04977	0.1206079	0.19628844	2.9322854	21	2 25.1	20.1
224743 2006 DV_{49}	15.8	X	72.32508	68.36689	352.51663	4.62055	0.1625030	0.19188009	2.9770270	21	1 15.4	19.4
224744 2006 DQ_{50}	14.9	X	270.37299	63.68747	111.75216	6.33011	0.0442725	0.17797323	3.1301580	21	—	—
224745 2006 DX_{56}	14.7	X	258.77400	316.01541	241.83431	13.50602	0.0380359	0.17976327	3.1093438	21	—	—
224746 2006 DP_{67}	15.3	X	116.85530	201.96810	183.71058	8.38705	0.0937864	0.19286624	2.9668704	21	1 20.1	19.6
224747 2006 DH_{68}	15.3	X	247.05218	135.19558	17.28710	18.62715	0.1005927	0.17029514	3.2235511	21	11 7.6	20.1
224748 2006 DD_{73}	15.4	X	266.30529	140.03112	22.38166	5.44361	0.1293739	0.17486803	3.1671048	21	12 14.6	19.7
224749 2006 DL_{86}	15.3	X	13.14544	38.37894	2.60357	11.72495	0.1367732	0.17366457	3.1817196	21	12 30.0	19.6
224750 2006 DA_{91}	15.1	X	348.23911	174.48259	157.43181	5.53406	0.0873373	0.15197723	3.4776326	21	8 18.7	19.5
224751 2006 DS_{94}	15.5	X	348.68227	282.68283	175.40620	5.46975	0.1073064	0.17765759	3.1338644	21	—	—
224752 2006 DO_{112}	15.7	X	151.73970	61.60042	234.67026	1.75082	0.0531154	0.17759792	3.1345664	21	—	—
224753 2006 DP_{137}	15.2	X	39.23620	278.27975	122.22585	6.06335	0.1465989	0.17992101	3.1075261	21	—	—
224754 2006 DN_{149}	15.5	X	304.74310	250.71933	190.00044	4.77792	0.1096871	0.16846709	3.2468283	21	10 31.5	19.7
224755 2006 DX_{156}	15.5	X	275.07465	322.02692	146.34295	6.65112	0.0774816	0.16885404	3.2418661	21	10 30.4	20.0
224756 2006 DY_{179}	15.6	X	21.53687	265.54944	159.09936	9.24918	0.1902564	0.18200665	3.0837409	21	—	—
224757 2006 DC_{186}	15.8	X	52.37302	356.79771	41.23607	4.35504	0.0725466	0.17759973	3.1345450	21	—	—
224758 2006 DD_{196}	14.8	X	58.11961	314.13044	105.54633	10.98460	0.0709593	0.18772670	3.0207772	21	—	—
224759 2006 DK_{201}	14.8	X	266.47977	121.79317	48.71694	18.12609	0.0589164	0.17687687	3.1430794	21	—	—
224760 2006 DT_{204}	15.0	X	31.41940	6.98119	37.39745	18.86929	0.1322096	0.17953156	3.1120186	21	—	—
224761 2006 EN_{1}	15.4	X	291.15134	75.27185	62.74989	2.81771	0.0313981	0.17580402	3.1558536	21	12 30.1	19.8
224762 2006 ET_{8}	15.6	X	26.95054	19.64019	41.66384	1.88905	0.0947376	0.17965742	3.1105649	21	—	—
224763 2006 EC_{12}	15.8	X	38.78256	253.23756	168.09065	2.44114	0.1679034	0.18343828	3.0676754	21	—	—
224764 2006 EW_{16}	15.8	X	257.92378	85.58052	80.65725	2.63995	0.1585495	0.17283592	3.1918812	21	12 4.7	20.1
224765 2006 EQ_{56}	15.7	X	28.13773	211.68800	185.54591	9.41558	0.1063547	0.17616510	3.1515398	21	—	—
224766 2006 EP_{65}	16.2	X	292.45771	274.59828	205.98703	4.01994	0.1443525	0.17231773	3.1982770	21	11 28.2	20.2
224767 2006 EK_{66}	15.6	X	42.61106	188.84676	234.93789	3.83914	0.1383190	0.18158833	3.0884750	21	—	—
224768 2006 FZ_{1}	15.3	X	49.01796	226.02562	159.03365	22.77718	0.1573682	0.18101880	3.0949497	21	—	—
224769 2006 FC_{14}	15.3	X	201.66234	323.72953	177.49616	5.55205	0.0130590	0.15491426	3.4335375	21	9 16.2	20.1
224770 2006 FK_{16}	16.3	X	330.72098	61.80910	36.58367	0.51742	0.1421812	0.17593816	3.1542493	21	—	—
224771 2006 FN_{16}	14.8	X	28.95671	264.03315	359.47737	9.45196	0.0286523	0.14731156	3.5506797	21	7 21.6	19.8
224772 2006 FJ_{21}	16.1	X	13.06572	283.19760	167.99597	5.20203	0.1638337	0.18499129	3.0504824	21	—	—
224773 2006 FV_{48}	14.8	X	292.26940	123.84554	28.98508	13.96382	0.0197602	0.17799877	3.1298586	21	—	—
224774 2006 FA_{49}	14.5	X	311.17860	49.51876	47.49023	20.96544	0.0771960	0.17167718	3.2062275	21	11 29.3	18.8
224775 2006 FY_{51}	14.9	X	278.87335	335.66496	229.70797	16.61107	0.1606044	0.17972999	3.1097276	21	—	—
224776 2006 GV_{13}	15.5	X	284.91857	248.18544	209.48720	1.80799	0.0491437	0.16898892	3.2401409	21	10 31.4	20.0
224777 2006 GF_{32}	15.5	X	318.12845	93.98957	45.43543	7.03089	0.1668156	0.17536429	3.1611270	21	—	—
224778 2006 GE_{38}	14.9	X	321.62454	95.74710	44.21914	19.83223	0.0900637	0.17915281	3.1164032	21	—	—
224779 2006 GM_{41}	15.2	X	295.73803	314.66944	199.40456	16.46080	0.1761582	0.17665045	3.1457645	21	—	—
224780 2006 GU_{51}	14.7	X	302.92245	22.50414	121.96729	14.99523	0.1626028	0.17524565	3.1625535	21	—	—
224781 2006 HX_{34}	16.0	X	324.42082	290.05944	219.02322	3.27973	0.1664341	0.17759689	3.1345785	21	—	—
224782 2006 JB_{42}	13.2	X	352.26728	246.85694	171.53895	6.57550	0.0803192	0.08415963	5.1570360	21	11 27.1	19.7
224783 2006 QP_{82}	17.8	X	263.87541	154.60749	166.98423	3.91585	0.3101755	0.31112189	2.1569943	21	3 9.3	21.3
224784 2006 QU_{115}	17.4	X	267.02822	353.75277	305.15652	5.06007	0.1643137	0.30933315	2.1653016	21	2 20.4	20.5
224785 2006 QN_{164}	17.0	X	103.46768	200.55296	189.36241	22.10444	0.0800643	0.35865405	1.9619393	21	—	—
224786 2006 SC_{12}	17.2	X	165.87284	54.45210	314.53608	4.35630	0.1555470	0.29722050	2.2237376	21	2 14.8	20.4
224787 2006 SH_{19}	17.1	X	191.12066	265.42154	9.65371	19.44299	0.0423214	0.35429339	1.9780048	21	—	—
224788 2006 SB_{50}	17.8	X	200.15709	111.57097	197.28233	4.70518	0.1376362	0.29340857	2.2429565	21	1 2.9	21.1
224789 2006 SM_{62}	17.3	X	209.54002	168.99865	148.88644	7.18982	0.1876009	0.29918262	2.2140044	21	1 24.2	20.9
224790 2006 SW_{97}	17.1	X	0.74122	173.63094	21.28098	5.98487	0.1185442	0.29892794	2.2152617	21	2 14.3	19.3
224791 2006 SS_{273}	17.2	X	318.12605	335.39400	214.80330	7.35012	0.0381530	0.28646929	2.2790333	21	—	—
224792 2006 SF_{371}	13.3	X	111.83095	68.97510	222.87507	18.24683	0.0272240	0.08290321	5.2090094	21	11 20.5	20.3
224793 2006 SG_{371}	13.3	X	6.22230	203.92767	207.55665	17.73896	0.0361803	0.08398195	5.1643072	21	12 4.4	20.1
224794 2006 SU_{394}	16.0	X	172.26425	268.17200	317.01091	5.95004	0.0638128	0.27100255	2.3649418	21	12 7.5	19.3
224795 2006 TD_{6}	17.1	X	235.58187	294.10795	329.85390	6.25529	0.1116416	0.29254937	2.2473460	21	—	—
224796 2006 TA_{53}	17.7	X	317.58199	277.55163	51.22634	6.80437	0.1353341	0.31598567	2.1348029	21	6 20.1	19.5
224797 2006 TJ_{90}	17.3	X	64.08222	90.70983	28.59589	7.65704	0.0337999	0.29350167	2.2424822	21	2 15.5	19.9
224798 2006 UL_{7}	17.3	X	222.00318	281.65309	129.04335	3.06654	0.1146735	0.31154411	2.1550451	21	6 9.3	20.1
224799 2006 UQ_{25}	17.4	X	310.08749	213.21423	20.44884	7.54087	0.0986966	0.29721187	2.2237806	21	1 27.8	20.2
224800 2006 UY_{96}	17.4	X	334.07459	358.34016	191.95882	6.06692	0.1113958	0.29134528	2.2535337	21	—	—

Planet		H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
		m		°	°	°	°		°				
224801	2006 UQ_{127}	18.2	X	299.84110	331.86639	357.90468	2.30263	0.0418653	0.31270198	2.1497220	21	6 6.8	20.3
224802	2006 UK_{199}	17.7	X	44.07476	140.74509	56.49590	3.37318	0.0766758	0.30358764	2.1925356	21	5 9.3	19.6
224803	2006 UC_{212}	17.0	X	195.60583	248.53739	14.34887	5.72749	0.1440102	0.27901233	2.3194612	21	—	—
224804	2006 UV_{234}	16.9	X	120.95340	324.70449	82.05753	6.83786	0.1065544	0.28515704	2.2860198	21	2 8.8	19.6
224805	2006 UP_{238}	17.8	X	324.47109	348.86004	264.78142	2.91233	0.1514459	0.30477322	2.1868459	21	3 2.3	20.2
224806	2006 UW_{275}	17.4	X	69.14973	309.86883	191.83664	5.84003	0.0743668	0.30001571	2.2099039	21	3 27.3	19.3
224807	2006 UD_{282}	17.4	X	339.64517	325.68201	214.47878	5.74298	0.0396693	0.28861364	2.2677307	21	1 2.3	20.1
224808	2006 UU_{286}	17.0	X	69.46966	166.84652	264.69060	6.03955	0.1005857	0.27862994	2.3215829	21	—	—
224809	2006 UY_{286}	17.7	X	267.52764	117.82838	211.87016	4.88216	0.1332808	0.30672700	2.1775495	21	4 7.3	20.4
224810	2006 US_{329}	17.3	X	279.65212	265.93766	54.20873	5.69753	0.2248303	0.30720682	2.1752816	21	3 31.5	20.3
224811	2006 VQ_{17}	17.4	X	237.02234	36.05523	303.57904	1.61750	0.0187839	0.30079522	2.2060842	21	3 25.2	20.1
224812	2006 VV_{22}	17.3	X	228.47528	74.99071	226.90673	6.42626	0.1282696	0.29340623	2.2429684	21	1 20.5	20.7
224813	2006 VH_{27}	17.5	X	261.64649	119.15356	223.16405	0.89070	0.2092909	0.30835091	2.1698976	21	4 10.5	20.6
224814	2006 VW_{28}	17.2	X	256.74863	47.30535	312.09939	1.96202	0.1375745	0.30841381	2.1696025	21	5 5.2	20.2
224815	2006 VN_{37}	17.2	X	277.33629	358.48236	0.64793	3.50037	0.1582565	0.31393796	2.1440759	21	5 27.7	19.7
224816	2006 VW_{43}	16.9	X	244.26241	269.55987	341.03646	2.14086	0.1758611	0.28394682	2.2925107	21	—	—
224817	2006 VE_{44}	17.1	X	240.44763	163.23529	170.85095	5.34654	0.1937532	0.30335158	2.1936729	21	3 12.7	20.5
224818	2006 VJ_{62}	17.4	X	274.08506	63.72725	247.78309	3.26941	0.1745003	0.30373079	2.1918466	21	3 15.7	20.6
224819	2006 VN_{62}	17.5	X	253.13880	274.13926	57.03864	1.04978	0.1529892	0.30314810	2.1946544	21	3 23.9	20.6
224820	2006 VM_{89}	16.9	X	52.23778	335.58734	322.91083	1.93964	0.2131963	0.25965549	2.4333488	21	11 10.0	20.2
224821	2006 VW_{92}	17.1	X	146.63316	351.82328	91.88246	6.56229	0.0398622	0.30160077	2.2021543	21	4 25.0	19.8
224822	2006 VE_{96}	17.1	X	220.57888	312.20768	45.05789	7.00686	0.1632997	0.30113903	2.2044048	21	3 28.0	20.4
224823	2006 VG_{107}	17.1	X	253.74012	315.59290	36.62715	7.57701	0.0694714	0.30579428	2.1819752	21	4 29.9	19.7
224824	2006 VT_{139}	16.8	X	152.12129	18.77522	249.70709	5.84089	0.0929505	0.26885193	2.3775369	21	—	—
224825	2006 VV_{169}	17.3	X	159.67783	303.97612	65.26754	7.50901	0.1390692	0.29080388	2.2563298	21	2 11.2	20.5
224826	2006 WC_{11}	17.6	X	177.01464	120.77929	296.50764	2.52678	0.1259806	0.30219402	2.1992713	21	4 28.4	20.6
224827	2006 WA_{21}	17.1	X	251.35474	144.12244	118.56740	4.42181	0.1404356	0.28674898	2.2775511	21	—	—
224828	2006 WQ_{33}	18.2	X	174.44363	173.58536	180.55910	3.54522	0.0239716	0.29059791	2.2573959	21	1 22.8	21.0
224829	2006 WD_{80}	17.3	X	18.33404	116.68336	353.02998	1.27668	0.0793261	0.28059451	2.3107339	21	—	—
224830	2006 WN_{114}	17.0	X	303.78132	92.79511	154.03011	5.51987	0.1475992	0.29306005	2.2447344	21	1 28.1	19.8
224831	Neeffisis	17.5	X	164.95415	3.55902	74.54170	3.72144	0.1180404	0.30150069	2.2026416	21	5 15.0	20.6
224832	2006 WP_{160}	16.5	X	124.87730	49.15455	262.52031	6.68715	0.1088358	0.26998853	2.3708596	21	—	—
224833	2006 WO_{161}	18.3	X	343.48113	82.76390	222.74380	2.11753	0.1271807	0.31525349	2.1381070	21	7 6.8	19.6
224834	2006 WN_{172}	17.3	X	183.41807	54.19114	232.87872	1.73861	0.2063207	0.27967088	2.3158187	21	—	—
224835	2006 WO_{182}	16.8	X	311.13725	129.34228	16.40047	2.85653	0.1301679	0.26632767	2.3925362	21	—	—
224836	2006 WP_{186}	16.7	X	168.01402	238.66371	90.83959	7.86851	0.1427930	0.28744872	2.2738534	21	—	—
224837	2006 WJ_{195}	16.6	X	341.87256	248.82486	229.24838	3.86231	0.1882999	0.27022055	2.3695023	21	—	—
224838	2006 WN_{204}	16.6	X	30.09459	273.25850	21.27874	0.93532	0.1643808	0.25323122	2.4743315	21	9 25.3	19.0
224839	2006 XO_{14}	17.3	X	202.95126	224.54060	84.07695	3.44335	0.1466778	0.28573798	2.2829202	21	1 7.9	20.6
224840	2006 XM_{17}	17.2	X	39.41654	129.24226	22.61476	3.49304	0.0339900	0.28708467	2.2757753	21	2 23.4	19.7
224841	2006 XR_{17}	15.7	X	97.60405	119.96998	91.54641	12.76037	0.1277627	0.23829663	2.5766620	21	9 2.9	19.6
224842	2006 XN_{18}	16.9	X	211.00844	256.64252	88.27038	7.52251	0.0711263	0.29377027	2.2411151	21	3 3.9	20.0
224843	2006 XO_{19}	17.0	X	131.28756	192.20147	265.38079	7.08069	0.1062593	0.29615780	2.2290541	21	4 28.5	19.9
224844	2006 XR_{32}	17.7	X	300.97582	27.19699	244.24325	3.56099	0.1348121	0.30092411	2.2054543	21	2 26.1	20.4
224845	2006 XT_{38}	17.2	X	180.61596	49.29731	30.38564	1.85676	0.1001779	0.30147296	2.2027767	21	6 2.6	20.2
224846	2006 XB_{49}	16.6	X	120.65255	95.15559	118.27829	4.81664	0.1795035	0.24218136	2.5490337	21	10 1.3	20.7
224847	2006 XN_{49}	17.1	X	135.38194	239.53565	112.42696	8.69839	0.1504021	0.27792302	2.3255180	21	—	—
224848	2006 XQ_{57}	17.4	X	62.27455	280.17542	235.97665	5.95741	0.0359035	0.29658894	2.2268933	21	3 31.8	19.9
224849	2006 XR_{60}	17.3	X	225.42376	269.74762	83.81180	6.95192	0.2185779	0.29767812	2.2214580	21	3 27.8	21.0
224850	2006 YK_{1}	16.4	X	3.10143	168.33014	334.49800	6.02342	0.0529052	0.27950390	2.3167409	21	—	—
224851	2006 YG_{8}	17.2	X	28.37579	344.22634	102.20608	2.96592	0.1517472	0.27338430	2.3511861	21	—	—
224852	2006 YF_{15}	16.9	X	41.02304	267.22425	273.44855	15.83799	0.0912850	0.36422869	1.9418691	21	3 14.1	18.9
224853	2006 YM_{17}	17.3	X	59.19008	295.97544	148.57475	4.76090	0.1479522	0.27673357	2.3321769	21	—	—
224854	2006 YQ_{18}	17.1	X	89.69902	61.60288	34.77452	5.51938	0.1695712	0.28747241	2.2737285	21	3 14.2	19.4
224855	2006 YZ_{20}	17.0	X	276.08848	254.49161	76.75213	4.29704	0.2131214	0.30494079	2.1860447	21	4 12.7	20.1
224856	2006 YK_{26}	17.2	X	141.12490	257.72154	84.03223	4.36878	0.0601812	0.27613544	2.3355434	21	—	—
224857	2006 YE_{45}	17.0	X	116.06539	93.05625	204.67420	1.89023	0.2095619	0.26904690	2.3763882	21	—	—
224858	2006 YO_{49}	17.3	X	98.20986	39.60652	48.24433	5.09841	0.1948712	0.28557738	2.2837760	21	3 20.3	19.7
224859	2006 YD_{51}	17.5	X	142.08998	324.56958	82.32365	3.45478	0.1515502	0.28873426	2.2670991	21	3 13.6	20.5
224860	2006 YF_{51}	16.6	X	244.74767	20.86992	321.84228	5.48643	0.1474500	0.22793409	2.6541769	21	4 4.1	20.9
224861	2006 YD_{52}	15.8	X	23.58643	141.12075	29.94994	9.78635	0.0891925	0.21196261	2.7858851	21	3 14.5	19.2
224862	2007 AG_{7}	16.9	X	299.76743	355.11731	123.70910	2.14968	0.1298224	0.26042529	2.4285513	21	—	—
224863	2007 AP_{12}	16.1	X	55.81284	114.31653	110.25829	5.70511	0.0730784	0.22868351	2.6483750	21	7 11.7	19.4
224864	2007 AM_{13}	16.1	X	322.78510	216.56903	130.44656	3.77310	0.2435135	0.24652010	2.5190367	21	7 13.4	18.3
224865	2007 AR_{13}	17.5	X	169.17071	277.79709	120.89774	4.31171	0.1747813	0.29401475	2.2398725	21	4 2.4	20.8
224866	2007 AD_{18}	17.1	X	334.86294	148.55022	323.27931	2.26131	0.1278493	0.26736799	2.3863260	21	—	—
224867	2007 AA_{21}	17.0	X	304.20018	7.50466	139.93881	4.39991	0.1796105	0.26419053	2.4054217	21	—	—
224868	2007 AP_{23}	17.2	X	72.50356	299.10103	143.98777	5.67618	0.1249901	0.28054519	2.3110047	21	1 14.1	19.4
224869	2007 AU_{24}	17.1	X	99.29015	335.54600	96.66678	3.58614	0.1425519	0.28476057	2.2881412	21	2 17.4	19.4
224870	2007 AR_{28}	16.6	X	158.19802	95.18629	91.50834	4.69286	0.0729340	0.24253012	2.5465894	21	10 1.8	20.3
224871	2007 AQ_{30}	17.0	X	98.84823	217.36054	144.16337	6.34787	0.1930592	0.27249399	2.3563046	21	—	—
224872	2007 BA_{9}	16.7	X	359.28279	55.86129	334.77540	5.52274	0.1378335	0.25746339	2.4471414	21	12 15.9	19.3
224873	2007 BA_{32}	17.4	X	107.59866	244.86700	137.09262	6.13455	0.0776207	0.27628808	2.3346831	21	—	—
224874	2007 BR_{38}	17.6	X	3.48822	323.57403	142.44398	2.55411	0.0819195	0.27030388	2.3690153	21	—	—
224875	2007 BL_{42}	16.9	X	247.50329	12.40291	164.82088	2.18817	0.1524826	0.25880395	2.4386836	21	12 23.9	19.7
224876	2007 BT_{43}	17.1	X	23.67548	345.08024	106.27077	3.38351	0.1580327	0.27078103	2.3662315	21	—	—
224877	2007 BF_{45}	16.8	X	78.76780	274.90136	154.13094	6.17478	0.1220925	0.27805149	2.3248016	21	1 5.3	19.2
224878	2007 BM_{60}	17.1	X	244.67419	61.97708	92.30962	4.59869	0.1072379	0.25402008	2.4692062	21	11 26.2	20.1
224879	2007 BW_{67}	15.1	X	150.31387	158.46224	128.89126	17.41338	0.1017584	0.18731946	3.0251537	21	—	—
224880	2007 BH_{68}	17.0	X	347.12174	106.73846	335.74362	4.66917	0.0772860	0.26088195	2.4257164	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
224881 2007 BR_{71}	16.7	X	19.61341	96.92562	22.65005	5.99702	0.0971656	0.27378322	2.3489017	21	—	—
224882 2007 BS_{74}	17.0	X	176.36256	148.12029	338.07540	2.09944	0.1614173	0.23287314	2.6165143	21	7 31.7	21.2
224883 2007 BX_{78}	17.1	X	96.70709	234.62560	166.10862	3.47904	0.1349998	0.27582055	2.3373207	21	—	—
224884 2007 BS_{79}	17.4	X	269.53309	308.73285	217.15273	2.06497	0.1310497	0.25948449	2.4344178	21	—	—
224885 2007 BH_{80}	17.7	X	338.48294	285.62576	131.50129	1.90587	0.1640244	0.25658306	2.4527356	21	12 18.9	19.9
224886 2007 CS	17.3	X	50.18948	289.74347	183.28869	2.01099	0.1534967	0.28068383	2.3102437	21	1 16.5	18.9
224887 2007 CW_{2}	16.9	X	93.96900	176.19148	199.68282	1.69983	0.2229649	0.27242794	2.3566854	21	—	—
224888 Cochingchu	17.9	X	12.48359	148.88753	323.14205	2.82917	0.1679258	0.27305903	2.3530529	21	—	—
224889 2007 CM_{10}	17.5	X	25.63100	312.77924	133.74170	5.59483	0.2040373	0.27247656	2.3564051	21	—	—
224890 2007 CN_{11}	17.3	X	68.88781	260.07173	134.45443	1.75852	0.1877844	0.27099337	2.3649952	21	—	—
224891 2007 CP_{14}	17.2	X	84.35241	142.41539	308.89278	2.04586	0.1630728	0.28249008	2.3003853	21	2 22.1	19.4
224892 2007 CK_{16}	17.4	X	166.27469	256.52027	110.34768	4.21897	0.1704147	0.28745834	2.2738027	21	2 16.8	20.6
224893 2007 CJ_{19}	16.8	X	6.78168	56.78258	44.90642	7.61761	0.0628452	0.27025026	2.3693286	21	—	—
224894 2007 CT_{21}	16.7	X	48.23072	196.21176	222.84333	3.62793	0.0907767	0.26968984	2.3726098	21	—	—
224895 2007 CV_{21}	16.2	X	273.07040	294.29562	263.32360	5.82378	0.0816816	0.26692494	2.3889659	21	—	—
224896 2007 CK_{22}	15.8	X	345.32608	152.54901	134.80100	15.34610	0.1186188	0.22942256	2.6426844	21	6 15.8	18.9
224897 2007 CF_{25}	16.6	X	107.40193	207.25334	210.70683	2.50354	0.1335016	0.27918247	2.3185188	21	2 6.9	19.1
224898 2007 CV_{27}	16.5	X	20.89472	290.88212	316.54218	1.83377	0.1404775	0.22647279	2.6655819	21	6 23.2	19.3
224899 2007 CS_{40}	17.3	X	42.47193	145.02884	308.23216	2.26583	0.1224037	0.27436185	2.3455979	21	—	—
224900 2007 CF_{46}	17.4	X	145.67989	228.38946	198.76645	2.73326	0.1327846	0.29011334	2.2599088	21	4 9.7	20.3
224901 2007 CJ_{47}	15.4	X	40.60375	240.44685	320.41249	7.49824	0.2270632	0.21917829	2.7244010	21	6 2.7	18.2
224902 2007 CP_{54}	16.4	X	107.96683	322.56868	215.47354	3.69236	0.2189112	0.22762416	2.6565856	21	8 4.3	20.5
224903 2007 CW_{59}	17.0	X	51.88248	219.48521	211.47614	2.55241	0.1780344	0.27213037	2.3584031	21	—	—
224904 2007 CL_{63}	15.5	X	174.39075	202.75309	1.63621	8.45102	0.1861466	0.17798684	3.1299985	21	10 26.1	20.8
224905 2007 CM_{64}	16.3	X	267.70010	41.90113	184.15317	4.86181	0.0423285	0.20048472	2.8912248	21	—	—
224906 2007 CW_{64}	14.9	X	141.06237	225.06849	30.59564	24.44608	0.2976065	0.17628138	3.1501537	21	11 24.7	20.8
224907 2007 CB_{65}	17.0	X	357.66123	84.10883	340.35779	6.42646	0.1506413	0.26108599	2.4244525	21	—	—
224908 2007 CY_{65}	16.7	X	70.05973	39.04159	324.01825	3.50071	0.2770242	0.26747436	2.3856933	21	—	—
224909 2007 DN_{1}	16.1	X	19.72033	29.31368	181.96272	8.21452	0.1232512	0.21738234	2.7393859	21	4 29.9	19.1
224910 2007 DW_{5}	17.4	X	292.26295	55.25555	77.76136	3.95180	0.1688014	0.25926886	2.4357674	21	—	—
224911 2007 DS_{12}	17.8	X	72.25585	121.16475	359.14173	0.37120	0.1560380	0.28432984	2.2904514	21	3 14.8	19.9
224912 2007 DH_{13}	16.6	X	108.24723	283.29280	270.23117	2.28076	0.1410103	0.23165757	2.6256594	21	8 17.1	20.4
224913 2007 DF_{18}	16.2	X	47.05013	224.03480	342.54568	5.26136	0.0249544	0.22393994	2.6856434	21	5 27.1	19.7
224914 2007 DY_{20}	16.8	X	27.00176	74.57360	147.68203	5.49172	0.1126391	0.22085325	2.7106089	21	5 27.9	19.8
224915 2007 DA_{22}	17.2	X	233.77065	297.24346	158.51974	4.74087	0.1509827	0.24086414	2.5583185	21	8 18.7	20.9
224916 2007 DQ_{24}	16.5	X	12.26865	322.96496	327.25006	2.42439	0.0567386	0.23241061	2.6199847	21	8 4.6	19.4
224917 2007 DU_{27}	16.0	X	264.48428	167.22284	96.20197	3.29304	0.0443828	0.20561673	2.8429142	21	2 1.9	20.1
224918 2007 DZ_{27}	16.3	X	115.55652	27.95471	119.68022	4.66376	0.0340001	0.22513719	2.6761136	21	6 13.2	20.0
224919 2007 DH_{28}	16.9	X	147.52985	181.41808	22.00834	4.90331	0.0894092	0.24049568	2.5609309	21	10 9.2	20.7
224920 2007 DQ_{30}	17.2	X	60.37788	278.70300	139.24659	1.70347	0.1765605	0.27004860	2.3705080	21	—	—
224921 2007 DT_{32}	16.2	X	316.31316	205.10576	142.62921	3.00786	0.0473706	0.23202804	2.6228638	21	7 29.1	19.4
224922 2007 DA_{36}	16.5	X	141.49301	156.05964	339.94389	1.79446	0.0833139	0.22812427	2.6527015	21	7 5.3	20.2
224923 2007 DZ_{36}	15.7	X	178.04978	81.42365	173.90244	10.30622	0.0173511	0.18623500	3.0368861	21	—	—
224924 2007 DN_{37}	15.7	X	193.46872	243.75173	346.40435	8.79680	0.0399284	0.18464848	3.0542569	21	12 24.6	20.2
224925 2007 DM_{39}	15.6	X	294.73949	123.91223	75.49753	3.20354	0.0646126	0.19688874	2.9263221	21	—	—
224926 2007 DA_{41}	17.5	X	349.91466	20.27166	225.91728	30.21810	0.4396784	0.55799320	1.4612239	21	—	—
224927 2007 DF_{42}	17.0	X	2.66855	90.13552	336.28182	2.08543	0.1501759	0.26224795	2.4172857	21	—	—
224928 2007 DK_{42}	16.8	X	26.22482	87.35919	349.88486	6.00159	0.1765810	0.26851037	2.3795528	21	—	—
224929 2007 DH_{50}	17.1	X	243.39858	175.68696	31.56128	1.68387	0.1332434	0.26041069	2.4286420	21	—	—
224930 2007 DT_{52}	16.6	X	8.99337	173.68309	328.19763	6.19604	0.1483559	0.27291634	2.3538730	21	—	—
224931 2007 DJ_{56}	17.7	X	348.56321	313.91410	159.96127	4.01027	0.1430824	0.26666491	2.3905187	21	—	—
224932 2007 DR_{57}	15.8	X	80.33089	144.44399	353.78284	9.48695	0.1358809	0.21754651	2.7380075	21	4 25.9	19.5
224933 2007 DF_{60}	15.6	X	155.59924	128.07213	357.27981	10.43174	0.0726866	0.22844336	2.6502307	21	7 8.6	19.6
224934 2007 DM_{60}	16.3	X	9.39960	199.37873	23.67463	4.03503	0.1233083	0.21780781	2.7358173	21	4 25.3	19.4
224935 2007 DD_{61}	16.0	X	74.21408	345.66779	204.10948	13.31526	0.1845995	0.22346201	2.6894713	21	7 5.9	19.8
224936 2007 DX_{64}	16.7	X	266.04501	186.15971	163.18090	6.67501	0.1676085	0.22462402	2.6801880	21	5 7.4	20.7
224937 2007 DB_{65}	17.7	X	0.54093	254.17326	192.27390	0.62710	0.1411304	0.26392069	2.4070609	21	—	—
224938 2007 DX_{69}	16.4	X	232.49483	30.53206	350.75250	8.79413	0.0947810	0.22427201	2.6829917	21	5 14.2	20.6
224939 2007 DG_{71}	16.5	X	307.50030	201.11321	159.25019	12.60388	0.2029828	0.23373690	2.6100643	21	7 9.5	19.6
224940 2007 DE_{73}	16.2	X	336.98247	97.03366	130.14137	2.41425	0.0160778	0.21248972	2.7812761	21	3 21.9	19.9
224941 2007 DB_{74}	17.5	X	9.24936	266.56065	153.15144	1.80511	0.1775543	0.25986379	2.4320483	21	—	—
224942 2007 DG_{76}	16.7	X	211.28966	357.91912	155.51811	4.12994	0.2157037	0.24177602	2.5518819	21	10 4.2	20.7
224943 2007 DZ_{87}	16.2	X	2.28962	219.19006	9.34597	4.41586	0.0548640	0.21830532	2.7316591	21	4 22.7	19.6
224944 2007 DY_{98}	16.8	X	343.35258	299.29417	135.58555	3.02046	0.1648917	0.25964689	2.4334026	21	—	—
224945 2007 DH_{102}	17.2	X	3.32219	5.24082	32.08644	1.87625	0.1832537	0.25744075	2.4472848	21	—	—
224946 2007 DF_{106}	15.9	X	95.27795	276.21081	157.20223	2.39448	0.0464559	0.20322129	2.8652108	21	2 13.6	19.8
224947 2007 DU_{110}	16.7	X	281.74314	115.77120	173.09894	1.55970	0.0875820	0.21581229	2.7526560	21	3 18.3	20.4
224948 2007 DD_{111}	15.9	X	134.43796	95.74421	213.64716	1.34977	0.1295455	0.18739767	3.0243120	21	—	—
224949 2007 DA_{113}	16.6	X	242.88849	188.03527	113.08854	1.58608	0.0463315	0.20923132	2.8100772	21	2 22.4	20.7
224950 2007 DX_{115}	16.6	X	165.11368	336.90094	189.24036	13.68215	0.1085761	0.23815527	2.5776815	21	9 7.6	20.6
224951 2007 EA_{1}	15.6	X	115.14766	164.25989	21.25058	12.38125	0.1268406	0.22847862	2.6499581	21	8 19.3	19.7
224952 2007 EN_{3}	16.8	X	255.70043	193.93970	314.56512	1.91217	0.0874077	0.25278356	2.4772519	21	12 5.6	19.7
224953 2007 ER_{5}	16.5	X	277.89849	124.09804	202.13563	2.69186	0.0892210	0.22209158	2.7005236	21	4 30.1	20.1
224954 2007 EK_{9}	15.4	X	47.06413	175.88652	177.47537	14.34372	0.0662637	0.17872855	3.1213330	21	12 9.2	20.0
224955 2007 EU_{11}	15.2	X	186.88660	23.44621	182.99418	7.05021	0.1089120	0.17979879	3.1089342	21	11 15.2	20.0
224956 2007 ER_{12}	16.1	X	290.08807	351.58541	352.30818	4.31299	0.1057121	0.22715104	2.6602731	21	6 5.4	19.5
224957 2007 EA_{13}	16.7	X	113.44971	242.56624	312.59226	2.69186	0.0803979	0.23268083	2.6179558	21	8 19.1	20.4
224958 2007 EM_{18}	15.9	X	244.47199	193.19383	356.42013	10.63649	0.0887219	0.18718582	3.0265935	21	12 29.8	20.3
224959 2007 EF_{19}	17.4	X	83.50482	21.13558	38.91866	2.03890	0.1673061	0.27425777	2.3461913	21	1 8.6	19.3
224960 2007 EC_{23}	15.5	X	199.59606	68.29186	151.73106	6.02340	0.1264510	0.18123356	3.0925042	21	12 11.4	20.4

Planet		H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
		m		°	°	°	°		°				
224961	2007 EF_{23}	16.5	X	210.26932	320.75398	67.18833	3.85198	0.0105007	0.21686917	2.7437056	21	5 5.9	20.3
224962	Michaelgrünewald	16.7	X	332.28094	280.76250	154.92652	9.46805	0.0612439	0.25457304	2.4656292	21	12 26.5	19.7
224963	2007 EK_{31}	16.5	X	349.13117	172.64333	48.47536	2.07711	0.1651274	0.21364766	2.7712176	21	3 14.8	19.6
224964	2007 EG_{36}	16.1	X	87.84995	183.77285	54.82439	8.56924	0.0856678	0.23230481	2.6207801	21	9 20.1	19.8
224965	2007 ES_{42}	15.3	X	151.13704	282.22377	6.26993	16.62426	0.1564979	0.18278426	3.0749887	21	—	—
224966	2007 EF_{43}	15.4	X	154.04009	82.21815	175.63913	9.78655	0.0769083	0.17949927	3.1123918	21	12 13.1	20.3
224967	2007 EL_{47}	16.6	X	345.59465	260.69052	218.93778	6.01015	0.2331711	0.26592737	2.3949366	21	—	—
224968	2007 EX_{48}	15.2	X	163.10305	149.93387	183.86116	11.08881	0.0999870	0.19294071	2.9661069	21	1 10.2	19.9
224969	2007 EE_{49}	15.3	X	160.99579	230.58904	25.36583	9.98750	0.0302399	0.17960754	3.1111409	21	12 17.4	20.0
224970	2007 EE_{52}	15.8	X	303.90401	54.53213	192.90649	5.54195	0.0769487	0.20849406	2.8166978	21	2 22.4	19.8
224971	2007 ER_{53}	15.6	X	204.61085	15.18202	199.27159	10.03462	0.1409826	0.17917540	3.1161412	21	12 8.2	20.6
224972	2007 ES_{53}	14.9	X	268.68081	165.29958	20.62584	13.53860	0.1001173	0.18697099	3.0289114	21	—	—
224973	2007 EC_{54}	15.1	X	224.06552	191.35798	27.56933	11.42362	0.0421685	0.18368614	3.0649151	21	—	—
224974	2007 ED_{54}	16.0	X	225.34107	253.87766	48.68346	2.29388	0.0553281	0.19878577	2.9076749	21	2 6.3	20.2
224975	2007 EV_{57}	16.2	X	199.55884	226.20069	139.40571	5.74250	0.0314750	0.21319387	2.7751486	21	3 26.1	20.2
224976	2007 EV_{65}	16.0	X	8.28617	157.60655	44.86893	5.08750	0.0094521	0.21248528	2.7813148	21	4 1.6	19.7
224977	2007 ER_{66}	15.5	X	122.87020	238.66296	21.48384	5.39283	0.1493004	0.17381606	3.1798706	21	11 16.1	20.6
224978	2007 EF_{70}	16.1	X	58.08981	5.57615	63.91727	3.71009	0.0404618	0.19663959	2.9287935	21	—	—
224979	2007 EW_{70}	16.2	X	289.37914	317.65640	33.24039	6.87647	0.0739780	0.22460406	2.6803467	21	6 19.6	19.8
224980	2007 EJ_{74}	16.1	X	74.15696	110.36701	323.42154	1.50794	0.0253607	0.19997272	2.8961577	21	1 16.3	19.8
224981	2007 EJ_{80}	16.5	X	70.89947	234.98970	0.41148	1.18248	0.0555447	0.22824555	2.6517618	21	8 15.2	19.8
224982	2007 ER_{80}	17.1	X	1.51200	222.60047	217.28991	1.76449	0.1450946	0.26476336	2.4019509	21	—	—
224983	2007 EX_{80}	17.2	X	54.13118	142.03254	255.95267	1.45089	0.1970665	0.26796405	2.3827859	21	—	—
224984	2007 EW_{85}	15.3	X	227.74351	354.26395	182.75831	28.12647	0.1137123	0.17877827	3.1207542	21	11 22.2	20.4
224985	2007 EA_{94}	16.2	X	266.78321	194.82615	155.42883	3.16492	0.0874825	0.22273504	2.6953201	21	5 18.8	19.9
224986	2007 EQ_{94}	17.5	X	358.27440	290.88484	150.11371	1.42950	0.1596217	0.26113121	2.4241725	21	—	—
224987	2007 ED_{97}	16.0	X	173.29903	41.13578	218.77395	2.28583	0.0734886	0.18165031	3.0877725	21	—	—
224988	2007 ET_{104}	17.8	X	26.31308	59.00726	28.18049	1.77525	0.1498237	0.26698396	2.3886138	21	—	—
224989	2007 EE_{107}	16.0	X	111.18379	71.81687	36.66700	8.69312	0.0630510	0.21416995	2.7667103	21	4 21.4	19.7
224990	2007 EY_{110}	15.1	X	51.95872	211.47066	169.33289	10.27237	0.0943307	0.18318956	3.0704515	21	—	—
224991	2007 EH_{111}	16.8	X	226.77861	100.92898	26.90671	8.44076	0.1627025	0.24100445	2.5573255	21	9 23.6	20.5
224992	2007 EV_{112}	16.0	X	96.23626	300.28403	200.68573	13.36033	0.0737886	0.21615625	2.7497351	21	5 17.2	19.8
224993	2007 EM_{127}	16.0	X	175.40875	108.23930	175.80983	1.42959	0.0596606	0.19170892	2.9787988	21	—	—
224994	2007 EN_{128}	17.4	X	332.01401	116.06104	349.07062	0.48079	0.1375701	0.26024270	2.4296871	21	—	—
224995	2007 EO_{130}	15.9	X	95.50009	136.20017	162.06093	1.47871	0.1605810	0.17597379	3.1538235	21	12 7.3	20.8
224996	2007 EV_{130}	16.5	X	344.06490	39.27644	172.70059	2.03976	0.0152752	0.20988383	2.8042500	21	3 11.2	20.2
224997	2007 EO_{134}	17.0	X	109.36716	5.77583	201.56633	3.26300	0.1458966	0.23503769	2.6004252	21	9 5.8	20.8
224998	2007 EU_{135}	16.5	X	94.98821	119.05079	195.15815	0.51519	0.0834243	0.18094277	3.0958166	21	12 18.8	21.1
224999	2007 EE_{138}	16.9	X	13.54937	181.22892	257.09994	2.23180	0.1541670	0.26699800	2.3885301	21	—	—
225000	2007 EL_{141}	15.4	X	125.80154	87.23784	193.16948	15.79993	0.0810096	0.17853342	3.1236068	21	12 10.8	20.4
225001	2007 EL_{149}	17.1	X	37.78817	60.08830	13.31829	12.21253	0.1711493	0.26686243	2.3893389	21	—	—
225002	2007 ED_{154}	15.3	X	248.79405	72.19409	358.36747	21.67813	0.0838567	0.23353909	2.6115379	21	8 21.1	19.2
225003	2007 EC_{165}	15.8	X	69.75850	2.71578	214.21827	4.15520	0.1965139	0.22369151	2.6876315	21	8 8.4	19.4
225004	2007 EM_{166}	16.2	X	15.63162	60.67889	207.51474	3.04846	0.1462294	0.22398715	2.6852660	21	7 13.9	19.0
225005	2007 EW_{166}	15.4	X	177.20357	224.59418	338.92623	4.80048	0.1144124	0.17617025	3.1514784	21	10 29.8	20.4
225006	2007 EB_{167}	16.8	X	94.48234	138.41423	32.18539	5.22184	0.0953312	0.22152211	2.7051498	21	6 25.4	20.5
225007	2007 EJ_{167}	17.3	X	272.02915	302.32030	222.53728	1.72754	0.1409941	0.25663666	2.4523940	21	—	—
225008	2007 EL_{167}	15.7	X	57.50546	175.64574	45.91804	9.78337	0.0660592	0.22323516	2.6912930	21	7 10.0	19.3
225009	2007 ED_{169}	15.5	X	77.43583	181.75478	189.06974	10.57507	0.0582430	0.18528221	3.0472885	21	—	—
225010	2007 EA_{181}	15.4	X	176.39608	35.86637	206.04506	13.42571	0.1104065	0.17820636	3.1274275	21	12 14.5	20.5
225011	2007 EV_{181}	15.5	X	196.82130	11.03415	214.44010	8.88599	0.0536469	0.17959924	3.1112368	21	12 19.9	20.2
225012	2007 EP_{184}	16.2	X	95.09649	334.07737	198.63068	17.19002	0.2251327	0.22498709	2.6773038	21	7 13.8	20.6
225013	2007 EQ_{188}	16.3	X	123.01491	55.44338	267.49736	2.20137	0.1026082	0.18906332	3.0065230	21	—	—
225014	2007 ET_{188}	16.3	X	237.49371	176.01747	192.30313	5.90875	0.0579232	0.22140991	2.7060637	21	5 10.7	20.1
225015	2007 EG_{196}	15.1	X	166.47558	282.08191	14.64482	11.96756	0.0819960	0.18678716	3.0308984	21	—	—
225016	2007 EE_{202}	16.0	X	151.41341	108.14802	191.83731	2.60816	0.0112337	0.18856246	3.0118446	21	—	—
225017	2007 EB_{204}	17.0	X	127.94109	293.74868	174.83849	2.90133	0.1412850	0.21755138	2.7379667	21	5 21.6	21.1
225018	2007 EJ_{206}	16.8	X	18.30593	50.79035	23.12333	5.42925	0.2059038	0.26642345	2.3919628	21	—	—
225019	2007 EO_{214}	15.9	X	174.64213	41.08623	194.99970	6.75588	0.1605331	0.17817029	3.1278495	21	12 5.0	21.0
225020	2007 EX_{218}	16.3	X	199.82857	346.67592	320.36929	1.15397	0.1353683	0.19737531	2.9215109	21	1 16.9	20.8
225021	2007 FL	15.8	X	310.06409	302.39544	357.74531	5.02854	0.0457113	0.22068205	2.7120106	21	5 13.5	19.4
225022	2007 FB_{12}	16.8	X	152.36481	266.26961	226.69342	1.37708	0.1474224	0.22923644	2.6441146	21	7 16.4	20.8
225023	2007 FF_{15}	15.2	X	142.70144	69.73075	195.22372	26.04126	0.1032515	0.17791431	3.1308491	21	12 9.2	20.5
225024	2007 FK_{15}	16.3	X	203.34678	144.72188	329.78224	6.91227	0.0821677	0.23556527	2.5965411	21	8 16.3	19.9
225025	2007 FX_{18}	17.2	X	181.06301	345.93584	42.32022	0.65245	0.0782621	0.21561953	2.7542962	21	4 1.6	21.3
225026	2007 FB_{20}	16.1	X	135.80808	145.08855	31.64682	19.17669	0.1953150	0.23018213	2.6368675	21	9 7.3	20.8
225027	2007 FE_{21}	17.2	X	333.53745	310.12376	163.39303	6.29716	0.1254464	0.26329277	2.4108864	21	—	—
225028	2007 FU_{22}	15.3	X	101.40595	296.68358	23.41511	9.82325	0.0986550	0.18056146	3.1001736	21	—	—
225029	2007 FU_{24}	15.8	X	91.51310	125.87402	155.10147	1.33933	0.1189027	0.17450647	3.1714779	21	11 9.3	20.6
225030	2007 FN_{25}	16.8	X	72.44696	66.21467	31.37006	2.39836	0.0293106	0.20405655	2.8573868	21	2 13.0	20.7
225031	2007 FA_{26}	16.2	X	279.63697	355.85690	347.91120	5.34197	0.0446714	0.22449932	2.6811804	21	5 31.1	19.9
225032	2007 FH_{29}	16.6	X	47.42966	224.91216	39.14534	2.59419	0.0325680	0.23049352	2.6344921	21	8 19.1	19.9
225033	2007 FM_{35}	15.6	X	259.61049	181.23189	128.34076	10.27518	0.1493693	0.21072649	2.7967692	21	3 16.4	20.0
225034	2007 FY_{39}	15.1	X	192.42516	198.86069	61.50476	13.25487	0.0663923	0.18699399	3.0286630	21	—	—
225035	2007 FB_{42}	17.3	X	202.03226	269.56792	186.51573	11.25379	0.1739807	0.23225996	2.6211175	21	7 14.6	21.8
225036	2007 FJ_{42}	18.0	X	337.57791	104.58891	1.84606	4.02716	0.1790586	0.26051261	2.4280086	21	—	—
225037	2007 FR_{43}	16.1	X	78.10191	56.98192	276.65190	0.21407	0.1700242	0.17969822	3.1100941	21	—	—
225038	2007 GT_{2}	17.8	X	81.27762	227.33501	211.41962	1.21044	0.1574853	0.27574627	2.3377404	21	1 29.6	19.9
225039	2007 GY_{4}	16.0	X	222.58388	297.15324	88.51327	5.97552	0.0840016	0.21547504	2.7555274	21	5 14.5	20.2
225040	2007 GO_{5}	16.0	X	194.87029	323.06229	287.82135	1.62650	0.1850245	0.18250044	3.0781759	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
225041 2007 GR_7	15.1	X	105.23976	298.61184	13.42046	9.67150	0.0478709	0.18037052	3.1023611	21	12 23.8	19.8
225042 2007 GQ_9	15.1	X	277.04408	217.21165	352.08496	9.92874	0.2139058	0.19224838	2.9732237	21	—	—
225043 2007 GN_{11}	15.3	X	144.34021	234.44724	27.83520	16.66282	0.1863845	0.17734957	3.1374920	21	12 5.9	20.8
225044 2007 GT_{14}	16.5	X	125.65231	86.80661	27.65131	7.25459	0.0869501	0.21679966	2.7442920	21	5 18.3	20.4
225045 2007 GE_{16}	16.1	X	34.91207	44.41981	342.55905	1.91145	0.0236511	0.17843539	3.1247508	21	12 27.7	20.4
225046 2007 GY_{16}	16.0	X	263.88798	162.61972	27.59683	9.57706	0.0841346	0.18513959	3.0488532	21	—	—
225047 2007 GN_{18}	15.5	X	164.72678	315.73721	18.40310	2.67119	0.0792979	0.19093209	2.9868731	21	1 12.9	20.0
225048 2007 GV_{18}	15.4	X	110.70280	55.09285	220.25120	8.80956	0.0406096	0.17008080	3.2262588	21	11 14.7	20.0
225049 2007 GV_{24}	15.1	X	169.81806	35.06815	230.95816	9.21552	0.1942045	0.17847948	3.1242362	21	—	—
225050 2007 GF_{41}	15.5	X	162.70102	31.00436	211.80256	7.91369	0.0715565	0.17425244	3.1745595	21	12 3.4	20.3
225051 2007 GN_{41}	14.8	X	28.23064	180.60452	216.14482	17.11115	0.1914190	0.17844170	3.1246771	21	—	—
225052 2007 GV_{45}	15.7	X	47.32731	225.65738	184.28586	5.04716	0.0464316	0.18359569	3.0659218	21	—	—
225053 2007 GP_{58}	16.5	X	319.32049	246.38725	8.74643	4.49577	0.0090035	0.21353149	2.7722226	21	4 3.4	20.3
225054 2007 GY_{61}	16.6	X	202.24216	97.56783	42.70556	9.99164	0.1514313	0.23777663	2.5804172	21	9 17.3	20.7
225055 2007 GE_{73}	16.1	X	209.60067	51.34158	184.80749	12.43409	0.1693396	0.18300229	3.0725458	21	—	—
225056 2007 GL_{73}	15.3	X	342.38484	316.98782	165.05747	10.69116	0.0514683	0.18749795	3.0232336	21	—	—
225057 2007 HK	16.5	X	133.31965	42.88722	2.57874	1.72715	0.0687451	0.20284660	2.8687381	21	3 1.6	20.5
225058 2007 HG_3	15.8	X	84.52193	307.49868	42.50087	5.73020	0.0468571	0.18038464	3.1021992	21	—	—
225059 2007 HJ_3	15.2	X	224.85869	16.88311	181.60713	22.54434	0.0343329	0.17861209	3.1226895	21	12 21.8	20.1
225060 2007 HG_4	14.9	X	339.27186	242.90225	81.56592	7.11673	0.1063902	0.15438003	3.4414539	21	7 26.9	19.2
225061 2007 HV_{10}	15.9	X	151.11877	123.12995	168.63021	2.08144	0.1020903	0.18159017	3.0884542	21	—	—
225062 2007 HS_{11}	16.2	X	195.08557	111.85350	57.35563	4.54536	0.0601125	0.23768525	2.5810786	21	10 19.9	19.8
225063 2007 HG_{16}	15.2	X	151.89993	268.13970	56.49423	11.61284	0.0759189	0.18590796	3.0404467	21	—	—
225064 2007 HS_{27}	15.6	X	155.97508	93.81314	221.22413	14.32480	0.0729705	0.18389444	3.0626003	21	—	—
225065 2007 HE_{33}	16.5	X	230.32279	2.82162	234.22611	6.48798	0.0393858	0.18701166	3.0284722	21	—	—
225066 2007 HN_{44}	16.0	X	48.25213	182.23266	63.33571	10.32842	0.1255297	0.22401627	2.6850333	21	8 10.7	19.4
225067 2007 HR_{47}	15.3	X	4.57304	220.33139	183.94255	4.92004	0.1181081	0.17535274	3.1612658	21	12 18.7	19.3
225068 2007 HE_{59}	16.4	X	223.78131	239.96262	49.24632	2.69077	0.0655676	0.19572469	2.9379133	21	1 19.8	20.7
225069 2007 HM_{60}	15.8	X	55.73548	188.31663	149.54472	2.39808	0.2154397	0.17382578	3.1797521	21	12 19.2	20.4
225070 2007 HM_{62}	15.5	X	34.71228	174.39864	211.84086	10.39496	0.1306468	0.17893998	3.1188737	21	—	—
225071 2007 HE_{70}	15.5	X	216.35834	190.35715	45.69396	17.33727	0.1797762	0.18092865	3.0959777	21	—	—
225072 2007 HT_{84}	15.7	X	244.82920	321.72158	191.33166	5.15537	0.1619912	0.17527963	3.1621448	21	11 4.6	20.3
225073 2007 HK_{90}	15.8	X	343.50638	274.90377	44.77081	12.84230	0.0162346	0.22781417	2.6551082	21	8 6.7	19.5
225074 2007 HH_{91}	15.9	X	160.22017	352.12314	29.23853	2.28330	0.0343582	0.19903555	2.9052418	21	2 28.5	20.0
225075 2007 HT_{95}	15.7	X	257.21858	157.28005	80.43713	3.25398	0.0267141	0.18930315	3.0039831	21	—	—
225076 Vallemare	15.2	X	204.06720	54.84101	175.26452	11.62632	0.0847540	0.18059768	3.0997591	21	12 30.1	20.1
225077 2007 JA_4	15.2	X	23.35372	342.68183	64.47613	11.10711	0.0858608	0.18186028	3.0853953	21	—	—
225078 2007 JM_4	15.8	X	53.93598	151.10231	56.57084	10.06248	0.0886371	0.21593593	2.7516051	21	6 16.7	19.2
225079 2007 JF_{19}	15.7	X	169.96124	214.20285	163.09724	6.30487	0.0796877	0.20274541	2.8696925	21	3 8.9	19.8
225080 2007 JA_{23}	15.4	X	241.05125	286.59075	265.94406	14.17548	0.0609166	0.17815705	3.1280046	21	12 29.5	19.9
225081 2007 JH_{25}	16.5	X	120.55128	357.56461	51.06853	1.53063	0.0699324	0.19713223	2.9239120	21	2 19.7	20.5
225082 2007 JL_{28}	15.7	X	141.24702	164.36980	115.28986	1.57627	0.1315377	0.17746196	3.1361671	21	12 25.4	20.7
225083 2007 KZ_5	15.5	X	107.55541	177.88187	229.71179	8.19013	0.0942840	0.19222423	2.9734728	21	2 3.1	19.8
225084 2007 KK_6	14.7	X	347.51921	352.81299	59.05366	17.23882	0.1223778	0.17068934	3.2185860	21	11 29.7	18.7
225085 2007 LB_1	15.8	X	330.25829	301.28890	207.97170	9.14340	0.0818565	0.18787858	3.0191490	21	—	—
225086 2007 LB_3	15.3	X	331.10581	249.70083	206.08950	8.86846	0.1439893	0.17758898	3.1346716	21	12 30.7	19.1
225087 2007 LZ_8	15.3	X	195.13572	28.25312	184.49890	4.94872	0.1195359	0.17342833	3.1846083	21	11 28.3	20.3
225088 Gonggong	1.6	X	107.05210	207.62072	336.85935	30.60805	0.4985281	0.00177836	67.4717847	21	8 28.2	21.1
225089 2007 PG_{28}	12.6	X	21.91844	98.40430	272.24709	10.51107	0.0322533	0.08244120	5.2284527	21	11 5.3	19.5
225090 2007 TH_{10}	15.9	X	37.16252	3.03127	15.08570	6.48474	0.0527157	0.22231954	2.6986773	21	—	—
225091 2007 TJ_{350}	13.2	X	236.98286	150.12593	5.83762	5.05433	0.0249600	0.08229959	5.2344487	21	11 1.7	20.3
225092 2008 AW_{27}	17.2	X	202.84157	158.92210	101.08248	2.90279	0.1890913	0.27788677	2.3257202	21	—	—
225093 2008 AF_{115}	17.9	X	265.10025	282.74088	335.30325	7.30357	0.1797032	0.29415686	2.2391511	21	1 1.2	21.4
225094 2008 CU_{25}	16.8	X	136.25332	45.39649	174.39759	4.72606	0.1356579	0.25838718	2.4413052	21	10 22.2	20.6
225095 2008 CD_{140}	17.5	X	233.60726	82.31727	169.65300	2.83658	0.1740030	0.28339756	2.2954719	21	—	—
225096 2008 DU	16.4	X	212.01109	201.04752	58.34719	9.27944	0.1557256	0.21419840	2.7664653	21	—	—
225097 2008 DX_{14}	17.2	X	220.55485	276.53553	357.51944	5.77104	0.1194174	0.28473305	2.2882886	21	—	—
225098 2008 DB_{16}	17.0	X	321.30317	281.53552	354.86051	6.61712	0.0905370	0.30666170	2.1778587	21	4 10.1	19.3
225099 2008 DM_{32}	17.4	X	228.95460	252.70379	28.36737	2.85851	0.1934010	0.28768678	2.2725988	21	—	—
225100 2008 DE_{35}	17.3	X	196.73387	302.11622	354.95862	3.97680	0.0710998	0.28445593	2.2897745	21	—	—
225101 2008 DS_{35}	16.4	X	164.69349	92.72747	194.02278	6.39773	0.1198613	0.27450315	2.3447929	21	—	—
225102 2008 DD_{39}	17.7	X	295.39302	208.92626	353.60835	3.47854	0.1054963	0.28625836	2.2801527	21	—	—
225103 2008 DL_{40}	16.8	X	33.16224	94.28975	185.52114	8.57173	0.1967419	0.24236003	2.5477807	21	9 11.6	19.6
225104 2008 DZ_{66}	15.8	X	347.50342	299.67547	343.87340	14.22371	0.1697900	0.23633081	2.5909309	21	6 4.9	18.8
225105 2008 DX_{67}	17.5	X	289.74595	357.52269	236.27929	4.39830	0.1020204	0.29016823	2.2596238	21	1 1.0	20.5
225106 2008 DN_{68}	16.4	X	205.40676	252.48383	18.92639	7.21987	0.2814200	0.20074540	2.8887214	21	—	—
225107 2008 DD_{69}	17.3	X	181.12673	75.39416	180.84094	6.21309	0.1393429	0.27047147	2.3680366	21	—	—
225108 2008 DQ_{69}	17.4	X	327.04083	219.22324	87.19639	3.09281	0.1510882	0.31322444	2.1473308	21	5 30.0	19.0
225109 2008 DC_{76}	17.3	X	228.09952	250.48179	0.13420	5.51812	0.1364332	0.28283517	2.2985138	21	—	—
225110 2008 DP_{82}	16.8	X	165.29957	156.33014	163.64459	12.15758	0.1987164	0.28068369	2.3102444	21	—	—
225111 2008 ED	17.6	X	149.36393	334.64520	3.00072	19.60815	0.0937273	0.36178320	1.9506100	21	—	—
225112 2008 EH_4	17.9	X	340.98302	262.75409	2.95949	6.32856	0.1816436	0.30783052	2.1723423	21	4 12.9	19.7
225113 2008 EL_9	17.1	X	181.11731	218.19864	184.99510	22.22285	0.1104343	0.38233510	1.8800667	21	4 7.4	19.2
225114 2008 EY_{14}	16.9	X	164.27860	268.52720	17.09028	2.61840	0.1628415	0.27297012	2.3535638	21	—	—
225115 2008 EY_{41}	16.9	X	128.18068	274.85258	27.40587	6.55818	0.1190416	0.26938818	2.3743807	21	—	—
225116 2008 EE_{45}	17.4	X	156.82773	248.28538	354.98384	2.71952	0.1503516	0.26376834	2.4079877	21	12 8.8	21.2
225117 2008 EX_{45}	16.5	X	117.01202	20.48165	299.90219	5.96981	0.1265970	0.27112243	2.3642447	21	—	—
225118 2008 EF_{76}	17.1	X	230.84481	189.41658	54.81550	6.36808	0.1674558	0.27816232	2.3241841	21	—	—
225119 2008 EV_{77}	17.4	X	187.04270	114.54942	149.54793	2.99449	0.2034740	0.27246518	2.3564707	21	—	—
225120 2008 EE_{82}	16.6	X	195.87784	102.73192	174.23096	6.63966	0.1337169	0.27764694	2.3270593	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
225121 2008 ES_{100}	17.2	X	102.29817	4.77126	352.42342	18.73830	0.0925036	0.35694918	1.9681814	21	—	—
225122 2008 EK_{123}	17.7	X	9.16852	47.52532	171.38822	3.71948	0.0849151	0.30267593	2.1969363	21	4 9.2	19.5
225123 2008 EV_{131}	17.3	X	324.64730	250.38439	20.20296	7.14961	0.1110337	0.30473847	2.1870121	21	4 5.9	19.6
225124 2008 EZ_{134}	17.2	X	120.72685	232.40704	63.40990	3.47026	0.1765594	0.26592664	2.3949410	21	—	—
225125 2008 EP_{137}	17.8	X	212.43760	124.73570	133.84260	3.06560	0.1792327	0.27685873	2.3314740	21	—	—
225126 2008 EE_{149}	17.6	X	320.84859	340.88814	216.07725	2.96949	0.1226555	0.28941868	2.2635235	21	—	—
225127 2008 FP_{10}	17.6	X	135.91877	65.06914	229.72086	2.19280	0.2043336	0.27219332	2.3580395	21	—	—
225128 2008 FH_{40}	17.4	X	218.10605	187.35906	42.41143	6.04513	0.1003762	0.27338785	2.3511657	21	—	—
225129 2008 FR_{55}	16.7	X	334.19986	101.53712	196.52421	10.03752	0.1237323	0.23507173	2.6001742	21	6 8.8	19.7
225130 2008 FK_{59}	17.5	X	45.15501	73.66414	147.07759	3.89712	0.1130530	0.30960432	2.1640371	21	6 23.4	19.4
225131 2008 FF_{67}	16.9	X	130.93048	277.30549	48.17882	3.77360	0.1341696	0.27017678	2.3697582	21	—	—
225132 2008 FC_{68}	17.3	X	217.70854	154.81172	80.32586	3.17777	0.1358440	0.27227123	2.3575897	21	—	—
225133 2008 FK_{69}	16.5	X	296.00151	135.07601	193.93603	12.76740	0.1845887	0.23012871	2.6372756	21	5 14.0	20.1
225134 2008 FJ_{70}	17.1	X	329.29660	319.89814	296.29004	1.27652	0.1220966	0.22346132	2.6894769	21	4 1.6	20.3
225135 2008 FC_{79}	17.3	X	186.33679	92.20966	196.63631	5.27681	0.1643621	0.27751733	2.3277838	21	—	—
225136 2008 FT_{94}	16.9	X	359.81694	140.76728	153.06911	4.52592	0.1841130	0.23654174	2.5893904	21	7 21.9	19.2
225137 2008 FW_{94}	16.6	X	186.09868	196.56237	59.34656	6.09619	0.1055679	0.26993830	2.3711538	21	—	—
225138 2008 FT_{98}	16.0	X	70.75706	216.85427	71.77756	14.41719	0.1651729	0.25364553	2.4716364	21	11 14.7	19.5
225139 2008 FY_{99}	16.2	X	206.54907	283.54195	157.35852	9.64859	0.1024664	0.24108506	2.5567554	21	7 4.3	20.2
225140 2008 FC_{101}	16.8	X	123.27420	181.11293	161.25409	8.76659	0.1251552	0.27406247	2.3473058	21	—	—
225141 2008 FX_{102}	16.8	X	38.07759	215.51731	142.64437	6.86227	0.1194720	0.25886100	2.4383252	21	12 27.2	19.9
225142 2008 FE_{107}	17.6	X	127.14295	145.84668	119.92293	2.32350	0.1562031	0.25998270	2.4313067	21	12 9.3	21.5
225143 2008 FW_{123}	17.8	X	68.07207	243.63215	182.72278	7.07430	0.0758374	0.28187820	2.3037131	21	—	—
225144 2008 FT_{128}	16.8	X	62.27452	161.61863	188.89169	6.24061	0.2305131	0.26321364	2.4113696	21	—	—
225145 2008 GC	16.9	X	345.12879	189.65554	345.07494	7.64511	0.0596682	0.28838248	2.2689424	21	1 1.4	19.6
225146 2008 GQ_{1}	17.0	X	242.03123	237.34572	342.04196	1.47947	0.1314330	0.27559349	2.3386043	21	—	—
225147 2008 GQ_{8}	17.3	X	209.10478	274.68010	46.80007	6.10464	0.2250897	0.28755375	2.2732997	21	2 2.6	21.2
225148 2008 GC_{23}	16.6	X	96.97609	288.94779	42.58399	9.05174	0.2302603	0.26708095	2.3880355	21	—	—
225149 2008 GV_{23}	17.0	X	172.16005	237.45728	48.51014	7.73652	0.0882822	0.27512149	2.3412783	21	—	—
225150 2008 GR_{46}	15.5	X	57.59616	136.48206	165.12729	9.67999	0.0781579	0.17551619	3.1593029	21	10 22.9	20.0
225151 2008 GN_{47}	15.1	X	127.12561	218.10953	72.51080	10.66492	0.2341906	0.18439206	3.0570877	21	12 29.4	20.5
225152 2008 GB_{52}	16.7	X	261.91468	312.10691	32.07720	3.56233	0.2184900	0.30481707	2.1866362	21	4 13.2	20.0
225153 2008 GK_{64}	16.2	X	311.97697	116.17098	195.01801	13.62190	0.1218685	0.22925207	2.6439944	21	5 22.9	19.6
225154 2008 GK_{65}	17.2	X	24.06137	261.67694	25.86287	5.01897	0.1745357	0.24165440	2.5527380	21	9 6.1	19.7
225155 2008 GO_{65}	17.6	X	248.01545	220.88921	27.84156	5.65863	0.1319962	0.28119569	2.3074392	21	—	—
225156 2008 GG_{67}	17.3	X	233.70770	225.37435	64.99523	3.77247	0.1610450	0.28451794	2.2894418	21	1 14.7	20.9
225157 2008 GP_{69}	16.4	X	269.40756	96.67503	187.59275	12.49553	0.1780466	0.21363271	2.7713469	21	2 14.7	21.0
225158 2008 GP_{77}	17.3	X	99.68455	181.66861	156.31212	7.54913	0.1293583	0.26663520	2.3906962	21	—	—
225159 2008 GF_{83}	16.8	X	179.67227	172.63991	109.24347	4.14675	0.1678366	0.27264281	2.3554471	21	—	—
225160 2008 GL_{96}	16.5	X	87.11162	184.68637	167.44392	6.74788	0.1441367	0.26878612	2.3779250	21	—	—
225161 2008 GS_{97}	17.6	X	306.48359	250.72753	304.78251	1.64969	0.1497090	0.28460282	2.2889866	21	—	—
225162 2008 GY_{99}	16.8	X	270.57747	42.66380	197.56818	7.48611	0.0862136	0.28484639	2.2876816	21	—	—
225163 2008 GH_{102}	16.4	X	5.24547	259.64630	41.12701	14.99785	0.1331629	0.23949332	2.5680715	21	8 21.8	19.4
225164 2008 GC_{114}	16.5	X	303.43261	105.42077	210.69063	11.41806	0.2356721	0.23004710	2.6378992	21	4 27.1	19.7
225165 2008 GZ_{117}	17.1	X	268.32469	240.48198	110.59938	4.14535	0.1992898	0.30777358	2.1726103	21	5 2.5	20.1
225166 2008 GF_{119}	17.3	X	231.86301	140.96859	86.55316	2.41407	0.1410436	0.27290863	2.3539173	21	—	—
225167 2008 GR_{121}	17.0	X	164.84166	165.41486	175.20553	6.60061	0.1405733	0.28278031	2.2988110	21	1 8.5	20.2
225168 2008 GN_{129}	17.9	X	283.61866	35.28618	189.00562	6.93537	0.0620872	0.28348679	2.2949902	21	—	—
225169 2008 GK_{130}	18.0	X	5.55052	345.98869	205.70179	3.94343	0.0826593	0.29419140	2.2389758	21	2 18.9	20.2
225170 2008 GA_{141}	17.3	X	229.07702	147.62571	213.25391	7.40355	0.0801276	0.30061163	2.2069823	21	4 10.3	20.2
225171 2008 HC_{1}	16.9	X	101.12673	175.46702	139.97001	7.71085	0.1008842	0.26183004	2.4198572	21	—	—
225172 2008 HC_{3}	17.4	X	63.94231	258.99084	212.57652	20.22771	0.0963558	0.36486751	1.9396018	21	1 6.9	19.4
225173 2008 HW_{3}	17.2	X	250.15721	355.14391	239.85371	1.99649	0.1790392	0.27781469	2.3261225	21	—	—
225174 2008 HO_{5}	17.5	X	162.73803	52.35843	214.10866	1.93990	0.1588102	0.26719210	2.3873732	21	—	—
225175 2008 HG_{11}	16.2	X	302.08917	139.49525	187.24442	13.65660	0.1899353	0.22889837	2.6467175	21	5 19.0	19.7
225176 2008 HV_{18}	16.5	X	9.59104	152.74521	207.52674	5.27381	0.2371438	0.25594025	2.4568407	21	12 6.6	18.9
225177 2008 HP_{32}	17.9	X	331.43707	107.50885	108.19824	3.38247	0.1373486	0.29232424	2.2484997	21	1 24.5	20.5
225178 2008 HL_{33}	16.2	X	264.24176	104.81774	194.32121	11.54639	0.1724380	0.21479044	2.7613795	21	2 28.1	20.6
225179 2008 HF_{35}	16.1	X	327.41566	178.60697	131.94776	8.61184	0.1834637	0.23187572	2.6240123	21	6 7.6	18.9
225180 2008 HN_{38}	16.9	X	268.42946	234.66978	28.89412	7.48397	0.1180944	0.28749354	2.2736171	21	1 17.4	20.2
225181 2008 HB_{39}	16.9	X	112.67645	288.07913	10.01945	5.77900	0.1275820	0.26594853	2.3948096	21	—	—
225182 2008 HU_{45}	17.0	X	263.14277	141.80857	84.43740	6.50446	0.1123411	0.27861325	2.3216756	21	—	—
225183 2008 HO_{46}	16.8	X	219.99119	139.60959	203.22392	7.47859	0.1628854	0.21471608	2.7620169	21	3 13.6	21.4
225184 2008 HX_{54}	17.1	X	263.96819	43.56889	183.56059	4.12204	0.1005770	0.27836824	2.3230377	21	—	—
225185 2008 HC_{56}	14.7	X	89.22523	225.92383	89.13464	18.65721	0.2047730	0.18003899	3.1061684	21	12 24.8	19.6
225186 2008 HQ_{58}	16.8	X	74.43136	299.28972	81.14924	3.28622	0.1959377	0.26927586	2.3750409	21	—	—
225187 2008 HM_{60}	15.1	X	105.80080	227.43509	79.94589	18.03549	0.2118267	0.18382895	3.0633276	21	12 30.6	20.3
225188 2008 HG_{61}	15.9	X	88.15440	163.21357	148.37462	10.90367	0.2146299	0.17947560	3.1126654	21	12 21.4	21.1
225189 2008 HG_{62}	16.4	X	235.65340	206.91129	164.53446	5.88534	0.0547442	0.22593557	2.6698056	21	5 13.2	20.2
225190 2008 HG_{63}	17.3	X	2.87040	18.23039	148.79852	4.16324	0.0635590	0.29045397	2.2581416	21	1 14.3	19.8
225191 2008 JZ_{1}	16.7	X	71.90100	122.86350	210.60925	5.49656	0.1589107	0.26374979	2.4081007	21	—	—
225192 2008 JX_{5}	15.6	X	301.41036	239.71657	48.35680	10.62189	0.1602992	0.22016310	2.7162706	21	4 3.8	19.3
225193 2008 JC_{12}	17.6	X	81.85420	167.44855	188.51328	2.54741	0.1410550	0.26433413	2.4045504	21	—	—
225194 2008 JO_{12}	16.4	X	331.40783	186.26937	120.27521	11.17220	0.0960142	0.23132366	2.6281855	21	6 19.9	19.5
225195 2008 JY_{13}	16.6	X	335.74943	119.87836	161.80373	5.44913	0.0801303	0.22671897	2.6636520	21	5 24.8	19.9
225196 2008 JK_{17}	16.0	X	279.20816	228.00753	85.52478	8.69718	0.0733655	0.22377857	2.6869343	21	4 20.9	19.8
225197 2008 JW_{18}	16.7	X	326.35700	154.55569	61.26255	8.52837	0.1129866	0.28918943	2.2647196	21	1 23.9	19.5
225198 2008 JR_{25}	16.2	X	15.87852	223.33557	182.10284	14.51215	0.0992950	0.26387167	2.4073591	21	—	—
225199 2008 JK_{28}	17.1	X	189.28240	280.30602	133.00568	5.41181	0.0873726	0.30108627	2.2046623	21	5 8.9	20.1
225200 2008 JT_{34}	16.7	X	206.11988	206.60177	154.92012	9.93261	0.1643206	0.21496687	2.7598683	21	3 27.5	21.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
225201 2008 KT_7	16.8	X	77.09817	333.35541	96.54104	4.78452	0.0464755	0.28212526	2.3023680	21	—	—
225202 2008 KE_{25}	15.9	X	68.06034	146.82206	164.78097	5.02960	0.1169188	0.17887510	3.1196279	21	11 21.2	20.5
225203 2008 KM_{36}	16.0	X	131.34305	108.83827	214.09851	19.72953	0.1911870	0.19000315	2.9966005	21	—	—
225204 2008 KN_{39}	15.1	X	42.42198	129.72302	209.46073	17.45741	0.1691112	0.17423235	3.1748035	21	11 29.2	19.5
225205 2008 KO_{41}	15.7	X	164.23431	258.40702	232.45563	14.06941	0.1006734	0.24026895	2.5625418	21	7 20.5	19.8
225206 2008 LP	16.5	X	288.95191	269.65284	53.74586	12.27982	0.2052117	0.22669584	2.6638331	21	4 25.4	20.3
225207 2008 LG_{12}	15.3	X	295.68449	259.67110	93.70001	15.32866	0.2123855	0.23050072	2.6344373	21	6 10.9	18.7
225208 2008 NM_1	15.9	X	180.79886	119.66895	200.86931	8.17755	0.0829075	0.19274803	2.9680833	21	1 11.5	20.5
225209 2008 OT_{20}	13.3	X	337.49024	76.63998	326.24710	6.18234	0.0414292	0.08519625	5.1151188	21	10 19.5	20.0
225210 2008 QB_{31}	12.4	X	333.19851	138.24966	275.58832	7.91896	0.0379671	0.08271911	5.2167357	21	10 26.3	19.2
225211 2008 QG_{42}	13.6	X	211.25307	124.75311	49.23547	4.22780	0.0530945	0.08124862	5.2794911	21	10 24.6	20.7
225212 2008 RF_{25}	12.7	X	22.00246	106.91799	262.56152	6.26072	0.1028767	0.08452798	5.1420432	21	11 11.2	19.2
225213 2008 RJ_{27}	12.7	X	154.38461	310.10091	289.71334	7.42699	0.0121672	0.08386202	5.1692299	21	11 5.5	19.7
225214 2008 RM_{58}	13.5	X	352.87556	187.64239	225.81223	6.53964	0.1075977	0.08240292	5.2300719	21	11 21.6	19.9
225215 2008 RB_{65}	13.1	X	296.40159	55.97765	26.43766	5.38836	0.0298308	0.08074043	5.3016208	21	10 17.9	20.0
225216 2008 RV_{76}	13.0	X	19.28164	318.90884	53.00667	2.07891	0.1197247	0.08344860	5.1862885	21	11 12.5	19.2
225217 2008 RA_{83}	13.1	X	297.68312	234.30887	204.78334	5.05718	0.0933078	0.08222595	5.2375732	21	10 8.4	19.8
225218 2008 RD_{95}	13.8	X	257.82193	267.89736	220.24932	2.42783	0.0435823	0.08543595	5.1055469	21	10 23.8	20.5
225219 2008 RO_{126}	13.4	X	344.01033	179.19811	230.56481	5.76052	0.1098128	0.08162634	5.2631916	21	11 4.5	19.7
225220 2008 RX_{128}	13.4	X	248.57664	279.17391	211.65675	6.51827	0.0610274	0.08181807	5.2549658	21	10 13.9	20.3
225221 2008 SN_{22}	13.7	X	41.72618	91.07013	258.66680	1.63625	0.1041103	0.08709420	5.0405341	21	11 15.7	20.1
225222 2008 SP_{32}	13.2	X	20.95112	104.84441	282.06049	6.17104	0.0790558	0.08369901	5.1759391	21	11 27.2	19.8
225223 2008 SV_{36}	13.8	X	323.14490	236.39348	195.11747	1.37571	0.1530921	0.08324731	5.1946455	21	10 28.3	20.0
225224 2008 SH_{41}	12.6	X	291.24984	49.14308	44.82764	6.55837	0.0670555	0.08174348	5.2581620	21	10 21.5	19.4
225225 Ninagrunewald	15.0	X	17.50067	124.99402	289.16612	14.77541	0.0484459	0.17215094	3.2003425	21	—	—
225226 2008 SH_{213}	13.8	X	296.64264	279.30676	182.17662	3.79267	0.0679871	0.08233610	5.2329009	21	11 4.9	20.5
225227 2008 TO_{65}	12.8	X	347.92787	189.60172	231.50108	6.49230	0.0805181	0.08254961	5.2238739	21	11 23.2	19.2
225228 2008 TE_{92}	12.8	X	331.17657	228.93863	192.76681	5.49634	0.0722117	0.08011640	5.3291153	21	11 2.8	19.4
225229 2008 TB_{149}	13.5	X	269.56372	87.02027	57.18887	5.32939	0.0158645	0.08507150	5.1201182	21	11 26.5	20.3
225230 2008 UX_4	12.9	X	16.01522	138.39536	253.27884	8.71976	0.1562731	0.08191301	5.2509046	21	12 2.5	19.0
225231 2009 HE_{12}	17.3	X	261.91946	114.32888	113.81636	6.45864	0.0436793	0.30268127	2.1969104	21	—	—
225232 Kircheva	17.1	X	5.32923	125.37710	116.90222	5.00027	0.2491112	0.24028165	2.5624514	21	5 10.8	18.8
225233 2009 OJ_3	16.0	X	168.38883	173.72218	123.88619	14.66288	0.1649419	0.20228647	2.8740313	21	—	—
225234 2009 PB_1	16.9	X	230.14824	317.66725	346.81753	6.72662	0.2155395	0.29789244	2.2203924	21	1 27.9	20.5
225235 2009 PJ_{12}	17.4	X	246.00361	177.97696	120.92935	2.95597	0.1776551	0.29972650	2.2113252	21	2 2.5	20.8
225236 2009 PP_{14}	15.9	X	284.37559	184.27297	160.04889	17.71944	0.2236122	0.23202401	2.6228942	21	5 16.4	20.0
225237 2009 PV_{15}	16.5	X	274.99235	170.97834	174.53167	6.49967	0.2830706	0.22941992	2.6427047	21	4 27.8	20.6
225238 Hristobotev	17.4	X	107.82162	140.83144	135.06346	0.99465	0.2035464	0.26611935	2.3937847	21	12 7.1	21.2
225239 Ruthproell	16.3	X	152.12372	220.83595	177.06593	5.98499	0.0405911	0.21329855	2.7742406	21	3 8.7	20.1
225240 2009 QY_8	15.3	X	74.62556	258.75822	112.18092	11.97254	0.1567704	0.18457237	3.0550965	21	—	—
225241 2009 QO_{13}	16.4	X	215.75456	128.58653	206.73905	4.09379	0.0762300	0.21303296	2.7765458	21	3 2.9	20.6
225242 2009 QL_{14}	16.3	X	103.45504	117.09066	204.62136	2.14343	0.2292815	0.18587070	3.0408530	21	—	—
225243 2009 QU_{22}	15.1	X	285.63248	122.57071	341.47762	8.70240	0.0440962	0.17521243	3.1629532	21	11 7.3	19.6
225244 2009 QE_{27}	17.0	X	47.79982	273.01294	110.44600	2.93619	0.1906309	0.26622292	2.3931638	21	—	—
225245 2009 QC_{28}	16.5	X	353.04961	127.71678	174.65788	12.18256	0.1816449	0.23964453	2.5669912	21	7 18.1	19.0
225246 2009 QX_{28}	16.6	X	297.33016	135.14108	172.20965	13.42420	0.2700032	0.23230156	2.6208045	21	4 4.3	20.4
225247 2009 QY_{32}	16.6	X	37.89110	165.71486	161.58939	6.54106	0.1444456	0.25569333	2.4584221	21	11 20.9	19.7
225248 2009 QJ_{33}	14.8	X	22.37110	290.03760	91.52709	12.81763	0.0927317	0.17532558	3.1615922	21	12 13.6	18.9
225249 2009 QT_{33}	17.8	X	86.36751	177.23435	148.46140	1.28110	0.1382393	0.26793293	2.3829704	21	—	—
225250 Georgfranziska	17.2	X	113.35692	226.15763	144.79893	4.97946	0.2428645	0.27691193	2.3311753	21	—	—
225251 2009 QF_{44}	16.1	X	101.80647	158.66633	181.10233	11.56968	0.1996929	0.18806985	3.0171015	21	—	—
225252 2009 QQ_{47}	17.5	X	198.02966	291.10683	26.25402	6.26881	0.2532366	0.29131424	2.2536938	21	1 19.9	21.3
225253 2009 RP_1	15.1	X	342.49833	209.09205	196.55177	28.43176	0.1961254	0.17119225	3.2122794	21	11 17.6	18.9
225254 Flury	16.2	X	295.42842	239.16236	205.00719	11.90481	0.1387699	0.25227371	2.4805885	21	11 2.9	18.6
225255 2009 RA_3	17.1	X	101.45523	207.02881	137.26040	3.08726	0.2349765	0.27194693	2.3594636	21	—	—
225256 2009 RO_3	17.3	X	200.10769	32.12083	357.01409	5.60856	0.1702657	0.30164153	2.2019559	21	4 14.8	20.8
225257 2009 RJ_5	15.3	X	22.24548	159.21209	218.11140	7.69753	0.0743343	0.17511874	3.1640812	21	12 5.9	19.5
225258 2009 RL_{16}	16.4	X	149.29439	293.38353	98.94688	1.49858	0.0725560	0.20553054	2.8437089	21	3 4.1	20.5
225259 2009 RH_{17}	16.1	X	40.47429	330.53303	63.15629	1.30290	0.1658096	0.18029967	3.1031737	21	—	—
225260 2009 RK_{17}	15.7	X	256.44734	310.94620	185.53342	12.02149	0.0630556	0.17040397	3.2221783	21	11 12.0	20.3
225261 2009 RC_{24}	16.0	X	71.91840	41.11248	44.80327	2.19741	0.0116447	0.20172985	2.8793156	21	1 27.3	19.8
225262 2009 RX_{26}	16.8	X	173.80568	119.09452	171.51798	2.65677	0.2239949	0.27855312	2.3220097	21	—	—
225263 2009 RQ_{30}	16.2	X	142.51013	99.85685	327.23414	3.68398	0.0515332	0.21211378	2.7845614	21	4 3.4	20.2
225264 2009 RT_{34}	15.7	X	28.24009	199.22827	204.26382	9.04522	0.0446117	0.17813458	3.1282676	21	—	—
225265 2009 RD_{47}	16.5	X	142.90394	293.94286	359.87443	6.20539	0.1162130	0.26892883	2.3770837	21	—	—
225266 2009 RN_{47}	17.0	X	164.34998	77.52207	217.51623	1.52123	0.1872987	0.27589152	2.3369198	21	—	—
225267 2009 RS_{47}	16.3	X	296.01680	139.42678	210.00848	1.94279	0.1567813	0.23232533	2.6206258	21	6 14.0	19.7
225268 2009 RT_{47}	16.0	X	240.21072	352.52823	9.92370	8.75497	0.0255992	0.22063804	2.7123712	21	5 5.9	19.9
225269 2009 SO_{15}	17.0	X	28.34027	209.45926	213.08277	5.16322	0.1951558	0.26774168	2.3841051	21	—	—
225270 2009 SF_{30}	17.6	X	210.94524	282.94380	32.79624	2.64559	0.2051058	0.29144098	2.2530403	21	1 25.8	21.3
225271 2009 SO_{61}	16.5	X	168.56954	175.05307	268.30762	4.04356	0.0925579	0.21951196	2.7216395	21	5 28.0	20.5
225272 2009 SE_{76}	16.3	X	328.10399	235.51691	67.13950	6.80470	0.0724460	0.22695429	2.6618104	21	6 10.5	19.5
225273 2128 P–L	17.1	X	66.69287	60.15589	297.28895	1.57791	0.2185116	0.26222323	2.4174376	21	—	—
225274 6781 P–L	15.5	X	44.05165	29.62239	25.05008	5.62908	0.1656590	0.18193396	3.0845622	21	—	—
225275 6890 P–L	16.6	X	247.07015	189.40631	178.49074	17.73228	0.1963525	0.22243405	2.6977511	21	5 9.7	21.1
225276 Leïtos	13.4	X	336.54539	71.61025	341.56470	6.10961	0.1568947	0.08313475	5.1993331	21	10 25.2	19.5
225277 Stino	15.9	X	226.20594	335.84921	358.53534	5.67435	0.0680070	0.20378697	2.8599061	21	3 15.9	20.2
225278 1981 DW_1	16.2	X	112.26740	313.16268	266.03418	6.11740	0.1796132	0.22928605	2.6437332	21	9 24.0	20.4
225279 1991 VY_{10}	16.1	X	305.31204	106.31021	206.92539	8.34707	0.1993828	0.22126978	2.7072061	21	5 2.8	19.6
225280 1993 FL_{17}	17.2	X	230.10918	169.27373	60.64375	5.70789	0.1859639	0.26907340	2.3762322	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
225281 1993 FL_{35}	17.0	X	25.88001	83.82669	41.53842	3.12600	0.1296798	0.27638125	2.3341585	21	—	—
225282 1993 RS_{7}	16.2	X	90.47719	161.84246	190.90382	1.48388	0.2710306	0.18478078	3.0527988	21	—	—
225283 1994 GB_{5}	15.7	X	172.98176	108.77623	17.85385	8.47857	0.0361032	0.22734513	2.6587588	21	7 31.3	19.5
225284 1994 JK_{6}	16.3	X	229.82446	233.83192	220.25732	12.39318	0.1300340	0.22830852	2.6512742	21	8 9.5	20.5
225285 1994 JT_{6}	16.6	X	69.96746	142.50613	59.04828	6.93766	0.1133909	0.22261994	2.6962490	21	7 7.3	20.1
225286 1994 PD_{5}	16.9	X	76.54165	135.24894	189.33931	2.38589	0.2344369	0.26418166	2.4054755	21	—	—
225287 1994 RJ_{8}	17.8	X	62.44776	51.94424	328.79768	2.48055	0.2079604	0.26529601	2.3987348	21	—	—
225288 1994 RT_{17}	16.5	X	214.38956	143.78652	175.12089	5.49489	0.1672647	0.20376905	2.8600738	21	2 10.4	21.3
225289 1994 SK_{10}	16.9	X	134.17846	328.19412	14.20661	1.55150	0.1967747	0.26979664	2.3719836	21	—	—
225290 1994 WK_{4}	16.7	X	6.26717	18.83390	98.19946	8.53847	0.2124416	0.26431637	2.4046581	21	—	—
225291 1995 DV_{6}	16.8	X	162.06675	197.77534	2.10636	4.60147	0.0309996	0.24462875	2.5320040	21	10 20.4	20.3
225292 1995 DS_{7}	16.3	X	337.44576	127.00627	16.28406	3.74452	0.1109261	0.18291020	3.0735770	21	—	—
225293 1995 FF_{7}	16.7	X	20.52003	231.24600	27.63982	12.47369	0.1754548	0.23284566	2.6167201	21	7 16.7	19.5
225294 1995 QA_{6}	13.2	X	68.49222	78.71747	259.19527	6.63759	0.0527634	0.08420623	5.1551334	21	11 26.7	20.0
225295 1995 SH_{13}	16.7	X	223.34463	26.18422	352.41239	2.92268	0.2070088	0.21674527	2.7447511	21	4 27.5	21.2
225296 1995 SQ_{67}	13.5	X	341.89558	243.29263	176.79316	9.60673	0.0535726	0.08027600	5.3220495	21	11 16.0	20.3
225297 1995 UB_{2}	16.7	X	0.88405	297.95687	203.93948	22.94735	0.2297747	0.27844207	2.3226270	21	—	—
225298 1995 UM_{16}	16.3	X	194.56358	228.56050	179.31028	4.36174	0.0702219	0.21301512	2.7767009	21	5 12.2	20.4
225299 1995 UV_{17}	16.7	X	230.65446	21.09229	346.17196	4.61727	0.1456675	0.21597532	2.7512705	21	4 22.7	21.1
225300 1995 UX_{76}	17.4	X	26.74628	241.97248	209.07398	3.49719	0.0693187	0.27852219	2.3221816	21	—	—
225301 1995 VG_{9}	16.3	X	243.36542	294.02779	64.31121	3.51150	0.0872440	0.21306993	2.7762247	21	5 1.9	20.4
225302 1995 VU_{9}	16.8	X	125.89037	69.38335	31.43821	8.10421	0.1965588	0.21107229	2.7937137	21	5 13.7	21.2
225303 1995 VZ_{13}	16.9	X	126.74856	44.70971	74.21114	6.27484	0.1298554	0.28946662	2.2632736	21	5 28.9	19.8
225304 1995 WH_{8}	16.7	X	126.84720	350.55182	62.66674	7.00186	0.0880617	0.28254386	2.3000934	21	2 24.8	19.6
225305 1995 XX_{3}	17.4	X	153.84156	260.46019	128.13201	3.28281	0.2130481	0.28356632	2.2945611	21	3 8.6	20.7
225306 1996 EZ_{9}	15.9	X	189.14145	250.78046	127.80309	3.01161	0.0522948	0.20006574	2.8952600	21	3 31.5	20.1
225307 1996 GV_{6}	15.5	X	142.00968	265.85744	37.12495	9.89612	0.0809709	0.18113315	3.0936470	21	—	—
225308 1996 HH	17.1	X	275.97908	90.22984	75.42916	2.94219	0.1532985	0.26196134	2.4190485	21	—	—
225309 1996 HV_{14}	15.0	X	160.31162	265.45613	37.89777	18.00966	0.0936029	0.18137640	3.0908804	21	—	—
225310 1996 TG_{67}	16.6	X	178.70292	66.25308	34.69294	8.87089	0.1490015	0.22471934	2.6794300	21	7 1.7	21.0
225311 1996 VP_{17}	16.3	X	101.67985	145.68097	51.89273	11.57925	0.1064333	0.22684809	2.6626411	21	8 16.7	20.3
225312 1996 XB_{27}	21.7	X	179.97354	58.12399	179.40078	2.46482	0.0579473	0.76034527	1.1888548	21	—	—
225313 1997 CD_{13}	17.7	X	164.59122	292.83338	128.17726	3.55312	0.1465784	0.29522091	2.2337675	21	4 24.7	21.0
225314 1997 EZ_{30}	17.7	X	354.38490	180.29034	351.34211	2.04513	0.1690638	0.28268067	2.2993512	21	—	—
225315 1997 LS_{1}	16.7	X	305.98205	70.54630	115.55221	9.69320	0.0637922	0.27434202	2.3457109	21	—	—
225316 1997 LQ_{16}	16.4	X	234.80333	38.92440	220.44349	7.98628	0.1955781	0.19130491	2.9829912	21	—	—
225317 1997 SK_{18}	17.1	X	62.84587	4.35741	338.34624	1.81120	0.2282406	0.25535270	2.4606079	21	—	—
225318 1997 SU_{32}	13.3	X	260.78838	94.91545	29.21396	20.89559	0.0849730	0.08076865	5.3003862	21	10 18.3	20.3
225319 1997 TV_{19}	14.0	X	9.23662	104.82892	288.45010	1.43495	0.0901996	0.08361341	5.1794714	21	11 20.4	20.5
225320 1997 WC_{11}	15.3	X	194.10534	341.08563	41.97837	9.59458	0.0964963	0.18777634	3.0202447	21	4 13.5	20.0
225321 1997 XP_{7}	15.8	X	50.40661	303.26220	62.00922	15.12472	0.2136027	0.25261659	2.4783434	21	—	—
225322 1998 BQ_{19}	16.0	X	273.08690	304.44930	118.81510	16.85869	0.0950038	0.23646401	2.5899578	21	9 6.9	19.5
225323 1998 FY_{9}	16.1	X	42.08100	19.63731	198.50348	9.66346	0.1600345	0.21955739	2.7212640	21	6 22.2	19.3
225324 1998 FO_{105}	16.4	X	192.95775	231.09589	304.93999	3.97849	0.2136281	0.23382855	2.6093822	21	10 12.2	20.9
225325 1998 HP_{73}	16.6	X	192.93078	89.41929	77.94873	5.45038	0.1839606	0.23179254	2.6246400	21	10 7.7	20.9
225326 1998 HD_{154}	16.1	X	344.83382	24.26138	230.17699	7.24356	0.2240498	0.21344350	2.7729844	21	4 12.4	19.0
225327 1998 KN_{58}	15.5	X	116.02143	145.08113	61.56630	17.44092	0.1936982	0.22465326	2.6799554	21	9 25.9	20.2
225328 1998 MJ_{6}	17.4	X	137.02193	71.38283	297.93543	5.27302	0.1647865	0.27959586	2.3162329	21	1 18.1	20.2
225329 1998 QK_{40}	16.7	X	204.63790	71.49085	291.64441	5.34997	0.2025970	0.28511100	2.2862659	21	3 17.0	20.4
225330 1998 QZ_{58}	16.8	X	125.68557	7.26990	343.36013	4.98713	0.2516503	0.27425184	2.3462252	21	—	—
225331 1998 QK_{88}	17.2	X	199.94225	42.44719	265.39444	5.27837	0.2244238	0.28021317	2.3128299	21	1 8.2	20.9
225332 1998 QA_{95}	16.8	X	225.85764	62.43738	242.20131	4.75134	0.1799090	0.28317938	2.2966508	21	1 23.5	20.6
225333 1998 QB_{105}	16.1	X	145.65992	232.65988	84.87595	23.28549	0.3682361	0.27514591	2.3411398	21	—	—
225334 1998 RX_{45}	17.0	X	169.19309	147.01328	188.92442	6.42464	0.1342377	0.27789497	2.3256745	21	1 7.4	20.3
225335 1998 RB_{46}	17.0	X	147.62447	155.58470	201.62468	5.09110	0.1494860	0.27725605	2.3292460	21	1 12.3	20.2
225336 1998 RB_{51}	15.4	X	68.74307	60.56429	337.93256	9.76096	0.1256081	0.18485248	3.0520093	21	—	—
225337 1998 RZ_{69}	16.5	X	115.09928	14.23908	19.15044	6.23729	0.1363500	0.27630522	2.3345866	21	1 19.3	19.2
225338 1998 SA_{6}	16.1	X	106.99823	243.54356	165.55767	2.44471	0.1508649	0.19202893	2.9754885	21	2 15.1	20.0
225339 1998 SB_{12}	15.5	X	71.75355	216.15928	196.42913	3.29333	0.2376725	0.18428495	3.0582722	21	1 14.5	19.0
225340 1998 SQ_{29}	17.3	X	172.09132	259.91464	37.14719	4.86852	0.2295715	0.27428575	2.3460318	21	—	—
225341 1998 SJ_{42}	17.8	X	153.70300	12.31438	337.78463	2.42048	0.2334682	0.27813668	2.3243269	21	1 21.2	21.2
225342 1998 SN_{78}	16.4	X	219.18263	91.01599	219.57329	5.98502	0.1337268	0.28119937	2.3074191	21	1 24.3	20.0
225343 1998 SY_{86}	15.3	X	128.16706	351.37158	348.00168	10.31089	0.1270305	0.18551069	3.0447859	21	—	—
225344 1998 SK_{87}	17.1	X	84.73587	166.09159	221.54618	5.80762	0.1979294	0.27138363	2.3627274	21	—	—
225345 1998 SD_{107}	17.3	X	117.79567	113.07491	225.16406	1.53184	0.2456153	0.27164411	2.3612168	21	—	—
225346 1998 SQ_{149}	14.9	X	40.02525	203.72637	195.47786	13.06832	0.0705261	0.18203295	3.0834439	21	—	—
225347 1998 SG_{161}	17.1	X	180.58424	59.91094	330.41926	2.91789	0.2423834	0.28258246	2.2998839	21	4 2.9	21.0
225348 1998 SY_{176}	15.2	X	39.91837	274.93105	127.57357	6.80511	0.1777850	0.17976343	3.1093420	21	—	—
225349 1998 TS_{8}	17.7	X	106.23402	293.78795	36.44177	5.55699	0.1266285	0.26725769	2.3869825	21	—	—
225350 1998 TO_{9}	15.9	X	110.39677	125.21271	205.14089	2.12481	0.0997716	0.18040867	3.1019237	21	—	—
225351 1998 TA_{20}	15.3	X	140.76113	307.69018	25.45196	9.61887	0.0821932	0.18436468	3.0573905	21	—	—
225352 1998 US_{2}	15.3	X	78.22696	17.18274	27.71567	13.17119	0.1648496	0.18428007	3.0583262	21	1 7.5	19.3
225353 1998 UF_{11}	15.5	X	63.65376	19.83567	69.45437	3.81925	0.3749709	0.18535627	3.0464767	21	3 14.8	18.7
225354 1998 UF_{49}	16.3	X	133.09043	329.52112	38.64372	10.89491	0.2365446	0.27419958	2.3465232	21	1 26.6	19.7
225355 1998 UJ_{49}	15.7	X	81.84791	352.80704	68.76977	2.59378	0.2964680	0.18571637	3.0425374	21	2 21.9	19.5
225356 1998 VX_{40}	16.8	X	144.86045	103.93966	229.65988	4.86657	0.2152881	0.27204993	2.3588680	21	—	—
225357 1998 VD_{41}	17.2	X	107.02330	136.75343	229.30936	6.33721	0.2473144	0.27060885	2.3672351	21	—	—
225358 1998 VV_{42}	16.9	X	96.91028	344.89547	47.51117	5.79619	0.1493902	0.27181269	2.3602403	21	—	—
225359 1998 WJ_{24}	13.5	X	297.78312	70.20732	22.98367	7.42804	0.0817470	0.08511252	5.1184732	21	10 25.6	20.0
225360 1998 WF_{30}	17.5	X	64.58935	27.07593	36.42960	1.78082	0.1715395	0.27035994	2.3686878	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
225361 1998 XD_{2}	17.2	X	13.13268	192.48304	208.37786	3.13473	0.1863670	0.26163878	2.4210363	21	—	—
225362 1998 XU_{22}	16.7	X	54.81015	210.04622	248.15857	2.59803	0.0845374	0.27221142	2.3579350	21	1 5.0	19.2
225363 1998 XV_{24}	15.3	X	170.37856	33.29290	219.96630	8.65469	0.0529547	0.17516633	3.1635082	21	12 23.2	20.1
225364 1999 BO_{30}	16.4	X	113.53510	185.88755	109.90055	4.64905	0.0834796	0.25461066	2.4653864	21	12 29.5	20.0
225365 1999 CM_{79}	15.7	X	285.96728	266.92165	281.01152	2.56581	0.2693451	0.16935520	3.2354674	21	—	—
225366 1999 CC_{97}	15.2	X	33.66735	310.44195	144.50307	11.55453	0.3012870	0.17714968	3.1398517	21	—	—
225367 1999 CQ_{132}	17.3	X	290.23290	24.21976	128.59973	2.03094	0.1378423	0.25685841	2.4509824	21	—	—
225368 1999 CD_{136}	17.2	X	53.16278	145.22184	272.43335	1.00019	0.1507622	0.26373179	2.4082102	21	—	—
225369 1999 FE_{3}	15.5	X	328.59559	197.71749	16.82263	11.78565	0.1392166	0.17431402	3.1738119	21	2 17.6	19.8
225370 1999 FF_{17}	17.1	X	187.56046	348.66437	193.55494	4.44559	0.0857521	0.24306367	2.5428613	21	10 26.0	20.7
225371 1999 HM_{4}	16.6	X	267.33628	279.93404	39.92288	8.96479	0.2915996	0.21893089	2.7264530	21	3 22.7	21.2
225372 1999 JC_{53}	15.7	X	0.88121	70.32009	216.04771	10.89227	0.1807012	0.22708477	2.6607907	21	7 9.9	18.4
225373 1999 LJ_{15}	16.4	X	353.16783	64.93594	110.27643	22.68438	0.2466306	0.26133120	2.4229356	21	—	—
225374 1999 RX_{10}	16.8	X	263.70717	62.25921	300.63345	1.17728	0.2116742	0.30630777	2.1795360	21	5 10.2	19.8
225375 1999 RM_{106}	15.7	X	217.51550	117.89962	203.11158	14.26464	0.1563831	0.20467653	2.8516137	21	2 12.7	20.7
225376 1999 RR_{164}	16.9	X	278.86905	24.75436	313.25785	4.44704	0.1269646	0.30514642	2.1850625	21	5 2.9	19.7
225377 1999 RW_{216}	16.1	X	117.18832	310.84759	172.43126	4.08309	0.0527523	0.21162158	2.7888773	21	5 17.7	19.9
225378 1999 SJ_{13}	16.9	X	273.80168	75.88624	273.06892	5.09153	0.1623565	0.30484795	2.1864885	21	5 7.7	19.7
225379 1999 TC_{62}	16.0	X	232.85465	284.16630	35.03687	5.25821	0.1046588	0.20253397	2.8716894	21	3 4.8	20.5
225380 1999 TP_{64}	16.4	X	171.31230	188.98245	201.03151	2.05417	0.0636426	0.20657352	2.8341290	21	3 23.9	20.6
225381 1999 TL_{90}	17.5	X	269.78503	296.71389	36.44470	2.57587	0.2276294	0.30315576	2.1946175	21	4 5.9	20.8
225382 1999 TK_{110}	15.9	X	141.20717	222.19582	194.93833	14.67076	0.2931855	0.20308275	2.8665137	21	4 14.8	20.8
225383 1999 TW_{161}	16.0	X	197.07247	283.28613	98.36506	3.21841	0.1020984	0.20624838	2.8371068	21	4 12.9	20.4
225384 1999 TO_{163}	17.8	X	257.05728	275.37100	49.52120	5.78484	0.1968887	0.29945090	2.2126818	21	3 19.1	21.1
225385 1999 TO_{178}	15.8	X	194.78856	171.26822	274.73411	3.32357	0.0788235	0.21281484	2.7784427	21	6 29.5	19.9
225386 1999 TA_{195}	17.3	X	157.55966	32.82767	25.51874	8.22342	0.1677363	0.29433196	2.2382629	21	4 14.0	20.6
225387 1999 UJ_{18}	15.7	X	305.08305	169.67961	75.97749	3.16603	0.0112026	0.20345603	2.8630066	21	3 7.1	19.6
225388 1999 UN_{18}	16.5	X	295.13144	315.21506	56.96063	3.79030	0.1555648	0.30878573	2.1678600	21	7 17.3	18.5
225389 1999 UK_{21}	17.4	X	233.46153	188.56861	218.39002	2.37427	0.1109176	0.30368636	2.1920605	21	6 17.9	20.2
225390 1999 UW_{28}	16.4	X	145.00446	62.20342	39.24780	4.69100	0.0680567	0.20971241	2.8057779	21	5 23.4	20.5
225391 1999 UK_{29}	16.5	X	314.30419	248.36824	47.93555	5.59008	0.1278675	0.21254876	2.7807610	21	5 4.8	20.1
225392 1999 UJ_{33}	16.5	X	139.25527	209.81153	214.09727	1.29561	0.0553079	0.20306179	2.8667109	21	3 29.2	20.5
225393 1999 UU_{36}	16.0	X	299.60462	78.48370	188.30636	10.31253	0.2219559	0.21066550	2.7973090	21	2 20.1	20.2
225394 1999 UP_{37}	16.5	X	143.79993	350.16059	46.81798	2.71727	0.1022709	0.20191676	2.8775385	21	3 7.9	20.6
225395 1999 UO_{48}	15.4	X	187.29973	322.76487	82.05132	8.79291	0.1548925	0.20488481	2.8496807	21	5 3.4	20.1
225396 1999 UY_{50}	17.8	X	278.14819	312.61324	59.51430	1.38321	0.1527239	0.30590244	2.1814608	21	6 19.5	20.2
225397 1999 VA_{49}	15.9	X	215.72244	116.67990	296.34258	4.05908	0.1529267	0.21031925	2.8003782	21	6 5.7	20.3
225398 1999 VQ_{115}	17.3	X	196.65891	295.48045	59.54589	6.34446	0.2029463	0.29318288	2.2441074	21	3 5.5	21.0
225399 1999 VE_{121}	16.2	X	69.46918	64.89499	29.81170	7.42435	0.1847683	0.19653125	2.9298697	21	2 27.9	19.7
225400 1999 VB_{124}	16.2	X	120.13171	95.61975	222.34008	9.18977	0.0388085	0.18532874	3.0467784	21	—	—
225401 1999 VL_{124}	16.2	X	190.73202	58.02157	230.44518	3.55343	0.1128737	0.19403289	2.9549660	21	—	—
225402 1999 VZ_{126}	16.3	X	109.53040	36.62894	37.16082	6.40390	0.0445706	0.20180460	2.8786046	21	3 7.2	20.3
225403 1999 VH_{132}	16.2	X	179.80623	286.94332	97.83512	3.01060	0.0324455	0.20160361	2.8805174	21	3 27.9	20.2
225404 1999 VD_{170}	16.5	X	236.24400	74.62044	277.57434	3.80680	0.1618059	0.29642872	2.2276957	21	4 1.1	19.9
225405 1999 VV_{195}	16.8	X	161.37929	350.96043	81.70172	7.48184	0.1475065	0.29650711	2.2273030	21	5 7.5	20.0
225406 1999 VR_{211}	17.2	X	53.93589	307.10703	228.19716	5.24172	0.0881092	0.29565131	2.2315991	21	4 23.6	19.4
225407 1999 WD_{20}	16.2	X	357.13879	79.77067	88.82670	1.64267	0.0266275	0.19680299	2.9271721	21	2 3.5	20.2
225408 1999 XH_{5}	16.9	X	180.76174	339.47370	77.88547	6.58531	0.1365933	0.29635957	2.2280422	21	5 6.2	20.1
225409 1999 XL_{25}	14.6	X	145.63569	119.24651	233.81734	11.01609	0.2150495	0.19516809	2.9434964	21	1 24.2	19.5
225410 1999 XA_{76}	16.3	X	245.30495	158.62352	244.59902	4.42227	0.1562093	0.30165436	2.2018935	21	6 21.7	19.3
225411 1999 XD_{162}	17.1	X	122.34397	105.48215	39.08150	6.18134	0.1585090	0.29620112	2.2288367	21	7 2.2	20.2
225412 1999 XR_{227}	17.4	X	327.68726	311.82570	241.73781	0.43944	0.0827725	0.28025688	2.3125894	21	—	—
225413 1999 XC_{238}	17.3	X	217.45322	243.37098	92.01769	3.01313	0.1474492	0.29096924	2.2554749	21	2 24.8	20.8
225414 1999 XV_{244}	17.1	X	68.95607	89.74336	55.47520	5.06253	0.0730864	0.29194621	2.2504403	21	4 5.1	19.5
225415 1999 XA_{261}	17.2	X	45.45864	51.76664	87.90020	2.35224	0.1444255	0.28604683	2.2812767	21	2 17.4	18.8
225416 1999 YC	17.2	X	220.86048	156.39857	64.79215	38.22124	0.8304153	0.58140744	1.4217252	21	11 30.7	18.4
225417 1999 YJ_{10}	17.0	X	86.90747	268.41477	227.26437	5.09148	0.1016724	0.29249894	2.2476043	21	4 21.7	19.4
225418 2000 AY_{54}	16.4	X	227.84131	96.86957	299.35305	4.42716	0.2016821	0.29708392	2.2244191	21	5 20.0	19.9
225419 2000 AW_{70}	14.9	X	109.45600	280.74355	101.14708	14.52468	0.1777543	0.19139027	2.9821042	21	1 20.8	19.0
225420 2000 AU_{82}	14.7	X	16.39712	314.85013	112.42061	21.97714	0.1253168	0.18210830	3.0825932	21	—	—
225421 2000 AR_{159}	16.9	X	83.47290	158.46512	327.78889	6.40680	0.1729067	0.28701120	2.2761637	21	4 12.1	19.3
225422 2000 AB_{178}	15.0	X	67.88867	209.71787	247.30786	10.35236	0.0862531	0.19139610	2.9820437	21	2 9.1	19.0
225423 2000 AO_{206}	16.4	X	348.53412	315.42144	150.48600	0.18431	0.1834283	0.18307330	3.0717512	21	—	—
225424 2000 AB_{209}	14.9	X	353.60417	192.53759	305.04526	14.43779	0.0791157	0.18398572	3.0615872	21	—	—
225425 2000 AK_{216}	17.7	X	199.71634	127.07814	258.76103	5.74403	0.1838545	0.29590236	2.2303367	21	4 9.9	21.3
225426 2000 AF_{253}	16.3	X	203.65968	259.33930	121.46075	4.03196	0.1259300	0.19951941	2.9005428	21	4 18.9	20.9
225427 2000 BF_{1}	17.0	X	132.42758	146.98704	304.27734	3.87778	0.1435920	0.28899638	2.2657280	21	4 26.7	20.0
225428 2000 BX_{19}	16.4	X	329.52763	23.44852	147.79496	2.09637	0.1356289	0.18382266	3.0633975	21	—	—
225429 2000 BJ_{35}	14.9	X	324.87822	196.68023	334.08809	12.36089	0.2278001	0.18283256	3.0744471	21	—	—
225430 2000 CG	16.2	X	83.54800	9.25869	49.55988	0.75943	0.3278220	0.18978391	2.9989079	21	2 24.2	20.0
225431 2000 CR_{9}	16.7	X	48.34796	217.40448	278.88458	5.45436	0.1069417	0.28363374	2.2941974	21	2 13.9	19.0
225432 2000 CJ_{35}	15.1	X	310.83534	226.25486	303.02653	12.44949	0.0590541	0.18182221	3.0858260	21	—	—
225433 2000 CX_{43}	15.1	X	351.05334	319.97754	153.33893	7.93321	0.1352053	0.18056800	3.1000987	21	—	—
225434 2000 CD_{59}	17.3	X	21.20999	213.18324	324.34651	3.23222	0.2025715	0.28192064	2.3034819	21	2 20.7	18.8
225435 2000 CL_{69}	16.2	X	84.49428	264.18957	136.40642	4.72759	0.1790970	0.18541263	3.0458593	21	1 11.2	20.0
225436 2000 CK_{79}	16.2	X	32.86235	291.72469	163.67059	0.94022	0.1450044	0.18387022	3.0628692	21	—	—
225437 2000 CK_{84}	15.2	X	282.58306	31.20370	136.16115	3.13561	0.1768451	0.17606464	3.1527385	21	—	—
225438 2000 CC_{110}	16.2	X	359.83934	306.65413	155.83009	0.73461	0.1368524	0.18064834	3.0991796	21	—	—
225439 2000 CZ_{136}	15.4	X	42.53019	302.49753	121.32807	7.67352	0.0348019	0.18271247	3.0757940	21	—	—
225440 2000 DU_{5}	16.5	X	82.53161	67.01184	64.96853	24.55381	0.2287740	0.28591421	2.2819820	21	5 9.3	19.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
225441 2000 DJ_{6}	16.8	X	175.09188	336.75322	108.77578	6.74697	0.0544996	0.29258359	2.2471707	21	6 4.5	19.8
225442 2000 DF_{16}	16.5	X	354.44128	136.60554	35.64032	7.34199	0.1310865	0.27596654	2.3364963	21	1 3.8	19.2
225443 2000 DO_{26}	16.1	X	334.32440	198.26033	326.79910	1.22352	0.2276838	0.18242581	3.0790154	21	—	—
225444 2000 DN_{35}	15.2	X	350.59344	297.97940	156.40944	10.23045	0.0675631	0.17683314	3.1435976	21	—	—
225445 2000 DO_{36}	17.3	X	353.07715	192.96762	349.03735	2.14609	0.1621340	0.27845945	2.3225304	21	1 9.4	19.6
225446 2000 DA_{61}	16.0	X	290.52505	140.05437	39.54172	1.68676	0.1381960	0.17740130	3.1368820	21	—	—
225447 2000 DX_{61}	17.5	X	42.70675	168.03160	337.58426	2.47514	0.1267317	0.28087099	2.3092173	21	2 21.0	19.4
225448 2000 DR_{67}	15.2	X	230.60515	245.15509	336.96445	3.83935	0.1184637	0.17398280	3.1778387	21	—	—
225449 2000 DN_{77}	15.1	X	255.66076	44.78370	117.71116	2.45117	0.1388356	0.17147386	3.2087615	21	11 30.3	19.7
225450 2000 DY_{86}	16.6	X	253.55367	167.78999	40.07157	5.58472	0.1745935	0.26816080	2.3816203	21	—	—
225451 2000 ER_{4}	16.2	X	328.64247	93.26506	26.02445	0.80272	0.1291121	0.17802864	3.1295085	21	—	—
225452 2000 EO_{10}	17.2	X	29.51906	303.49662	160.52804	3.37194	0.1456416	0.27452670	2.3446588	21	—	—
225453 2000 ED_{13}	15.1	X	345.22464	47.74903	75.82936	10.53870	0.2251403	0.18049391	3.1009470	21	—	—
225454 2000 EY_{14}	16.1	X	62.66371	75.94049	65.33285	21.99722	0.2949997	0.28378098	2.2934038	21	5 1.9	18.1
225455 2000 EQ_{15}	17.1	X	186.05038	58.76985	183.21416	1.34801	0.1755086	0.26214715	2.4179053	21	—	—
225456 2000 EK_{23}	16.0	X	53.10169	241.55013	157.30095	1.71603	0.2107823	0.18064544	3.0992127	21	—	—
225457 2000 EG_{27}	15.5	X	27.14020	109.35010	323.49016	4.78387	0.2187838	0.18009624	3.1055101	21	—	—
225458 2000 EW_{35}	15.6	X	9.87841	298.95702	176.39744	3.66912	0.0402232	0.17993384	3.1073784	21	—	—
225459 2000 ER_{44}	16.2	X	296.49723	180.74752	350.33458	6.85137	0.1819098	0.26862716	2.3788630	21	—	—
225460 2000 EG_{53}	15.9	X	321.56555	237.23334	285.13649	1.54416	0.0766593	0.18270773	3.0758473	21	—	—
225461 2000 EL_{53}	17.2	X	55.59343	305.51548	187.54253	2.40179	0.1272342	0.27993852	2.3143424	21	2 26.7	19.1
225462 2000 EV_{55}	15.1	X	17.37746	280.53594	155.28112	11.33249	0.1071748	0.17923891	3.1154051	21	—	—
225463 2000 EQ_{67}	17.1	X	273.32318	208.68012	350.02097	0.98465	0.1212395	0.26793054	2.3829846	21	—	—
225464 2000 EV_{75}	15.4	X	358.63864	354.27727	126.28672	10.33175	0.2412958	0.18233242	3.0800667	21	—	—
225465 2000 EU_{144}	17.0	X	295.62829	310.82044	244.66926	2.39824	0.1517223	0.27062328	2.3671509	21	—	—
225466 2000 EN_{168}	15.1	X	7.36724	105.30572	22.56601	16.18040	0.1464058	0.18241914	3.0790905	21	—	—
225467 2000 ET_{173}	14.4	X	336.94583	57.47767	81.08418	17.55032	0.1885558	0.17906704	3.1173982	21	—	—
225468 2000 ET_{177}	16.8	X	133.40156	3.00387	348.28937	2.33035	0.1811610	0.27205377	2.3588458	21	—	—
225469 2000 FT_{3}	15.2	X	33.02693	76.50578	83.73222	10.00501	0.1719105	0.18780874	3.0198974	21	3 25.3	18.6
225470 2000 FA_{21}	16.3	X	341.29218	118.74176	93.98584	7.01415	0.1373142	0.27828194	2.3235179	21	2 8.9	18.8
225471 2000 FG_{24}	16.0	X	347.72458	109.58606	64.68373	11.97137	0.1257063	0.27450532	2.3447806	21	—	—
225472 2000 FS_{36}	16.8	X	268.88602	165.18137	68.98318	2.17841	0.1439969	0.27033190	2.3688516	21	—	—
225473 2000 FK_{47}	16.5	X	227.92224	165.68559	63.24579	8.75624	0.1831186	0.26421946	2.4052461	21	—	—
225474 2000 FE_{59}	15.5	X	341.89545	62.89073	74.99492	9.51316	0.2563705	0.17960335	3.1111892	21	—	—
225475 2000 GQ_{48}	17.2	X	292.32568	177.63517	18.69486	1.60679	0.1308976	0.26903490	2.3764589	21	—	—
225476 2000 GD_{55}	16.7	X	286.18186	154.80042	22.71489	2.82573	0.1161576	0.26612943	2.3937242	21	—	—
225477 2000 GO_{61}	16.8	X	182.37251	67.11737	207.54214	3.51192	0.1323554	0.26290477	2.4132579	21	—	—
225478 2000 GV_{81}	16.4	X	355.64851	151.36799	0.04429	12.17201	0.1536932	0.27364626	2.3496853	21	—	—
225479 2000 GX_{89}	16.6	X	359.38375	85.75288	70.12718	6.01714	0.1633358	0.27435600	2.3456312	21	—	—
225480 2000 GS_{112}	16.7	X	29.52269	341.51156	151.53622	2.72168	0.1328368	0.27569837	2.3380112	21	1 7.5	18.7
225481 2000 GV_{120}	16.7	X	73.02149	200.00285	182.62660	4.49290	0.1146178	0.26564111	2.3966569	21	—	—
225482 2000 GS_{136}	15.3	X	334.96695	80.39481	62.18140	22.34237	0.2777647	0.26971046	2.3724889	21	—	—
225483 2000 GT_{145}	16.7	X	27.33630	39.19031	204.83094	6.53687	0.2009626	0.23865752	2.5740638	21	7 6.8	19.1
225484 2000 GY_{154}	16.9	X	181.54661	10.34800	211.93998	10.01754	0.1965420	0.25776340	2.4452422	21	12 3.3	20.8
225485 2000 GT_{160}	16.8	X	300.17114	65.27510	137.35401	2.99734	0.1345144	0.27080161	2.3661116	21	—	—
225486 2000 HQ_{2}	16.8	X	34.85503	330.17017	75.13779	4.33307	0.1396452	0.26256518	2.4153383	21	—	—
225487 2000 HV_{6}	16.9	X	299.98129	136.87308	45.66603	2.09844	0.1283357	0.26712430	2.3877771	21	—	—
225488 2000 HT_{15}	18.1	X	352.66226	353.00156	219.39726	24.54760	0.1075833	0.46410774	1.6521780	21	1 4.7	20.1
225489 2000 HD_{26}	17.3	X	261.10706	189.52241	43.07920	21.60498	0.0551395	0.36081982	1.9540805	21	—	—
225490 2000 HF_{31}	15.5	X	347.87655	119.27197	96.82934	14.89700	0.3270168	0.18461435	3.0546333	21	2 19.6	18.9
225491 2000 HV_{40}	16.2	X	326.64511	280.66879	240.23250	6.15870	0.1824653	0.27061128	2.3672209	21	—	—
225492 2000 HT_{49}	16.8	X	304.42569	154.15421	38.24906	3.39042	0.1311137	0.26874292	2.3781798	21	—	—
225493 2000 HP_{63}	16.9	X	211.81638	174.79507	55.38671	2.79256	0.1566590	0.26150819	2.4218423	21	—	—
225494 2000 HX_{81}	17.2	X	336.96245	174.89910	4.92380	1.61119	0.1240258	0.27220949	2.3579461	21	—	—
225495 2000 HT_{105}	16.5	X	273.75242	142.02462	72.22943	6.99188	0.0959855	0.26650755	2.3914596	21	—	—
225496 2000 KX_{2}	15.6	X	352.50488	82.26453	61.51878	22.66995	0.2736367	0.27114651	2.3641047	21	—	—
225497 2000 KC_{40}	16.0	X	96.17593	223.21076	86.11335	7.79469	0.1150805	0.25358005	2.4720618	21	12 29.8	19.7
225498 2000 KR_{73}	16.3	X	9.81131	89.83797	190.18177	11.75488	0.2837975	0.23826921	2.5768597	21	7 29.9	18.3
225499 2000 LU_{23}	17.1	X	90.64088	121.76686	82.79974	25.37969	0.1212474	0.38031898	1.8867052	21	8 29.1	19.9
225500 2000 LK_{32}	15.4	X	46.84700	71.86975	248.81107	11.39576	0.1770374	0.24351799	2.5396976	21	11 24.9	18.6
225501 2000 NB_{19}	16.4	X	356.29202	219.00975	98.18195	3.51846	0.1819878	0.23512479	2.5997830	21	8 22.7	18.7
225502 2000 OY_{33}	16.1	X	41.83204	24.38673	276.75411	7.31031	0.1850427	0.23999264	2.5645083	21	10 20.9	19.4
225503 2000 PY_{21}	16.2	X	347.47173	201.11625	115.78099	8.47186	0.1969292	0.23319807	2.6140832	21	7 30.4	18.3
225504 2000 QR_{15}	16.3	X	3.15125	22.31017	305.80017	1.81870	0.2402246	0.23669606	2.5882647	21	9 29.1	18.3
225505 2000 QT_{26}	16.1	X	354.57950	27.87077	298.09437	3.60805	0.1881104	0.23502870	2.6004916	21	8 29.9	18.4
225506 2000 QJ_{58}	15.9	X	296.15804	217.35038	139.77246	12.32341	0.1797267	0.23038884	2.6352900	21	6 22.1	19.4
225507 2000 QG_{71}	16.1	X	61.24897	21.37923	305.03053	4.76126	0.0923835	0.24375654	2.5380404	21	12 7.7	19.6
225508 2000 QY_{84}	16.3	X	315.35688	118.93593	203.71726	5.34003	0.1734075	0.22958518	2.6414364	21	6 4.3	19.4
225509 2000 QY_{98}	15.6	X	273.00046	206.70707	150.60173	13.46300	0.1886492	0.22576167	2.6711764	21	5 24.3	19.8
225510 2000 QS_{107}	16.3	X	70.58393	237.83749	26.67513	5.23061	0.2972494	0.23990740	2.5651157	21	10 26.2	20.1
225511 2000 QH_{109}	16.2	X	283.10949	206.41963	146.30790	13.41935	0.3054909	0.22743640	2.6580475	21	5 15.1	20.5
225512 2000 QS_{128}	15.8	X	328.37863	116.93365	190.30458	11.38331	0.2697195	0.22904598	2.6455802	21	5 21.4	18.6
225513 2000 QA_{131}	15.8	X	291.66727	28.86192	328.00996	11.28708	0.2109630	0.23036626	2.6354623	21	6 8.3	19.5
225514 2000 QG_{138}	16.0	X	342.62430	311.60280	10.48813	5.19758	0.2101916	0.23146922	2.6270835	21	7 27.5	18.2
225515 2000 QD_{156}	16.3	X	49.84343	87.11983	228.00891	5.87057	0.1193080	0.24106956	2.5568650	21	11 12.7	19.4
225516 2000 QE_{163}	16.3	X	257.30190	82.13455	286.14619	7.80401	0.1460953	0.22614850	2.6681295	21	5 21.5	20.3
225517 2000 QX_{170}	16.8	X	304.45832	114.96444	273.97266	3.69192	0.3364304	0.23177782	2.6247512	21	7 22.2	19.7
225518 2000 QJ_{179}	16.3	X	1.97566	297.31289	12.40067	4.15017	0.2593553	0.23376414	2.6098615	21	8 30.6	18.1
225519 2000 QR_{211}	16.6	X	343.72492	79.55056	309.40156	3.15370	0.1957496	0.23877000	2.5732553	21	11 13.2	18.7
225520 2000 QD_{221}	16.5	X	281.16322	286.92956	66.65533	2.01693	0.2286512	0.22827072	2.6515668	21	5 19.9	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
225521 2000 QP_{223}	16.5	X	328.50469	223.22111	121.61660	4.61401	0.1911499	0.23328736	2.6134162	21	7 30.9	18.9
225522 2000 RR_{15}	15.7	X	330.22619	93.93984	215.15332	8.88285	0.1574465	0.22917672	2.6445739	21	6 13.3	18.7
225523 2000 RN_{16}	16.0	X	318.94210	46.62304	300.16048	7.52084	0.1115038	0.23098320	2.6307674	21	7 24.7	19.1
225524 2000 RA_{26}	16.1	X	228.09962	165.55665	243.49504	7.76009	0.2346876	0.22421353	2.6834583	21	6 7.2	20.5
225525 2000 RB_{27}	16.1	X	296.67055	126.15172	256.53720	6.40435	0.1934857	0.23075411	2.6325083	21	7 24.4	19.4
225526 2000 RH_{76}	16.7	X	249.03863	138.27395	205.52179	4.47883	0.2144324	0.22187064	2.7023162	21	4 7.1	21.0
225527 2000 RE_{82}	16.2	X	314.93240	116.52466	227.76643	9.03401	0.2487604	0.23055389	2.6340322	21	6 21.4	19.1
225528 2000 RY_{89}	16.1	X	343.86052	161.93832	287.30365	4.02028	0.0527676	0.24678989	2.5172005	21	—	—
225529 2000 RG_{96}	15.8	X	356.56674	95.54310	230.11781	17.20495	0.1967689	0.23419211	2.6066809	21	8 26.9	18.6
225530 2000 RH_{97}	15.6	X	306.67241	161.17622	245.06605	12.39797	0.2859534	0.23373453	2.6100819	21	8 25.1	18.4
225531 2000 SF_{1}	15.7	X	314.38866	89.76337	290.15572	27.82903	0.3119492	0.23188605	2.6239344	21	7 27.5	18.3
225532 2000 SP_{5}	15.7	X	348.33924	30.86351	270.01354	12.09422	0.1198177	0.23131623	2.6282417	21	7 8.4	18.4
225533 2000 SL_{20}	15.6	X	248.38049	149.19082	261.55514	11.60815	0.1498746	0.22543905	2.6737243	21	7 5.7	19.5
225534 2000 SX_{25}	15.9	X	345.22158	130.41676	187.51139	14.46715	0.2043441	0.23329424	2.6133648	21	7 22.0	18.6
225535 2000 SN_{63}	16.0	X	231.97268	322.64573	26.94797	8.59259	0.1625401	0.21857929	2.7293761	21	4 3.9	20.4
225536 2000 SO_{63}	16.3	X	283.33686	209.91993	157.19701	4.88998	0.1837715	0.22707789	2.6608444	21	6 16.7	19.8
225537 2000 SZ_{64}	16.2	X	300.12676	163.92149	182.60358	6.05931	0.1950570	0.22779914	2.6552250	21	6 10.3	19.6
225538 2000 SV_{65}	16.0	X	9.05926	103.23294	180.88999	11.37638	0.1832784	0.23013109	2.6372574	21	7 25.7	18.6
225539 2000 SJ_{90}	15.8	X	317.53061	139.76757	245.74027	13.32379	0.0949718	0.23538422	2.5978724	21	9 11.6	19.2
225540 2000 SA_{98}	16.6	X	321.21332	131.60320	287.72651	3.32657	0.1825915	0.23710713	2.5852724	21	11 7.8	18.9
225541 2000 SV_{105}	16.5	X	5.39987	321.26018	359.33446	4.28765	0.1975206	0.23363129	2.6108508	21	9 17.9	18.7
225542 2000 SW_{124}	15.9	X	296.95005	314.92585	33.67694	13.71939	0.1833919	0.22567714	2.6718434	21	6 7.5	19.5
225543 2000 SO_{134}	15.9	X	289.85336	151.22152	249.09386	9.89940	0.1601515	0.23177016	2.6248089	21	8 10.5	19.4
225544 2000 SV_{142}	15.6	X	239.66408	171.26750	235.31318	15.21331	0.1103854	0.22394299	2.6856190	21	6 24.4	19.8
225545 2000 SO_{163}	16.0	X	285.61917	131.96528	221.84708	12.11252	0.1770345	0.22349786	2.6891837	21	6 2.8	19.7
225546 2000 SH_{173}	15.8	X	323.74861	65.72739	273.02681	11.67415	0.2149155	0.23007831	2.6376607	21	7 6.4	18.2
225547 2000 SN_{189}	16.2	X	7.84110	18.07592	276.45283	4.28004	0.2501301	0.23085068	2.6317741	21	8 15.9	18.1
225548 2000 SR_{194}	16.1	X	180.20271	49.98709	14.63115	6.17245	0.0182295	0.22225659	2.6991868	21	5 13.1	19.9
225549 2000 SC_{199}	16.5	X	302.40623	158.73335	160.38857	2.43306	0.2021370	0.22554923	2.6728535	21	5 6.0	19.8
225550 2000 SC_{285}	16.6	X	231.23989	84.69148	338.56122	10.68170	0.2803095	0.22381672	2.6866290	21	6 25.2	21.3
225551 2000 SG_{285}	16.0	X	185.65305	28.87459	331.25083	8.38862	0.1669740	0.21291484	2.7775726	21	3 5.0	20.6
225552 2000 SK_{286}	16.4	X	176.03643	43.95758	320.23754	6.98499	0.2399255	0.21297326	2.7770647	21	3 4.2	21.3
225553 2000 SQ_{302}	16.0	X	252.27318	68.84603	298.07594	6.89872	0.1160097	0.22325091	2.6911664	21	5 17.1	20.0
225554 2000 SP_{304}	15.6	X	320.96180	86.78012	221.40419	11.65194	0.1679491	0.22557995	2.6726108	21	5 25.2	18.7
225555 2000 SJ_{316}	16.2	X	30.05408	67.12615	270.81264	9.94529	0.3102610	0.24016922	2.5632511	21	12 15.3	19.4
225556 2000 SV_{317}	15.6	X	346.37786	90.67849	262.30114	12.73868	0.2418408	0.23492616	2.6012482	21	9 16.9	18.0
225557 2000 SD_{334}	16.4	X	234.24984	321.41622	72.61217	4.54319	0.1847048	0.22408524	2.6844823	21	5 28.4	20.6
225558 2000 SM_{347}	15.7	X	287.85245	291.14826	78.84657	15.77675	0.1548646	0.22727257	2.6593247	21	6 30.7	19.2
225559 2000 SR_{364}	16.0	X	261.41303	317.03183	52.99329	13.78265	0.2107642	0.22537614	2.6742218	21	5 21.2	20.1
225560 2000 SF_{365}	16.4	X	281.76125	305.87095	79.16169	3.86309	0.1729845	0.22942057	2.6426997	21	7 10.8	19.8
225561 2000 SB_{372}	16.1	X	271.30944	173.63506	234.43402	4.39634	0.1323380	0.22820693	2.6520609	21	8 1.6	19.7
225562 2000 TJ	16.1	X	271.78204	347.11384	14.70669	12.31252	0.1961449	0.22365005	2.6879636	21	5 20.9	20.2
225563 2000 TL_{2}	16.2	X	245.45275	228.67094	177.17496	2.70782	0.2490417	0.22398037	2.6853202	21	6 17.4	20.5
225564 2000 TY_{8}	16.2	X	194.55889	16.61566	14.22940	6.36615	0.0424597	0.21792731	2.7348170	21	4 18.0	20.0
225565 2000 TR_{12}	16.2	X	271.23705	245.82976	118.34959	7.47377	0.2209082	0.22463364	2.6801114	21	5 25.5	20.3
225566 2000 TP_{15}	16.2	X	261.19174	132.17679	208.59733	8.35130	0.1216509	0.21996521	2.7178994	21	4 25.0	20.2
225567 2000 TD_{45}	15.9	X	298.74514	318.43237	46.44509	12.24018	0.2114028	0.22948284	2.6422216	21	6 30.9	19.3
225568 2000 TV_{51}	15.7	X	175.49777	124.46128	16.35434	13.63063	0.2037693	0.22581742	2.6707368	21	8 23.3	20.4
225569 2000 TZ_{59}	16.0	X	271.73629	295.03404	75.91062	13.88176	0.2789476	0.22540730	2.6739754	21	5 26.9	20.0
225570 2000 TL_{63}	15.4	X	13.86753	65.53685	242.00727	14.47822	0.1673474	0.23203254	2.6228298	21	9 3.6	18.5
225571 2000 UV_{1}	16.0	X	239.77019	11.60119	29.62779	15.04712	0.1081798	0.22292474	2.6937908	21	6 17.7	20.2
225572 2000 UW_{27}	16.5	X	207.89514	314.14739	91.02660	2.13777	0.1521890	0.21961244	2.7208092	21	5 19.8	20.8
225573 2000 UV_{58}	16.1	X	171.43578	165.65781	219.51182	12.92873	0.1941512	0.21284317	2.7781962	21	3 21.7	20.9
225574 2000 UQ_{64}	15.9	X	155.30995	16.77638	4.33300	9.18342	0.1488810	0.21029449	2.8005981	21	3 4.7	20.3
225575 2000 UM_{68}	15.6	X	210.10630	199.47376	228.65402	13.71467	0.0802808	0.22269200	2.6956674	21	6 22.1	19.8
225576 2000 UR_{78}	16.3	X	227.39468	31.82152	47.07767	8.02895	0.2007775	0.22296926	2.6934323	21	7 17.9	20.7
225577 2000 UM_{99}	15.7	X	161.17849	204.87586	249.85849	11.74295	0.1204298	0.21694697	2.7430496	21	6 5.4	19.8
225578 2000 UG_{101}	15.4	X	234.98894	113.42105	281.75350	7.51639	0.1409342	0.21993033	2.7181868	21	6 2.8	19.7
225579 2000 UP_{102}	16.1	X	169.22073	9.18925	34.23717	14.91428	0.2139958	0.21250856	2.7811117	21	4 16.2	20.7
225580 2000 VH_{4}	16.2	X	210.38352	240.56406	221.73560	11.32653	0.0760420	0.22585622	2.6704309	21	8 3.7	20.4
225581 2000 VB_{53}	16.0	X	194.88307	126.43430	333.79591	4.48081	0.1298287	0.22184041	2.7025616	21	7 17.2	20.2
225582 2000 VC_{58}	16.2	X	202.93228	164.39362	267.87253	7.18896	0.1163350	0.22012666	2.7165703	21	6 19.2	20.3
225583 2000 WS_{32}	15.8	X	170.71775	11.41441	93.29818	14.83641	0.1016380	0.21812773	2.7331416	21	6 27.4	19.8
225584 2000 WU_{39}	15.9	X	265.83252	319.45297	97.44220	15.55506	0.1960338	0.22452547	2.6809721	21	7 30.8	19.8
225585 2000 WT_{47}	15.8	X	232.27497	327.00494	73.20544	14.52040	0.0928097	0.22002299	2.7174236	21	6 10.5	19.8
225586 2000 WS_{67}	18.4	X	51.65695	198.36432	73.77273	20.64047	0.7072761	0.66592306	1.2987334	21	12 18.9	21.0
225587 2000 WS_{77}	16.1	X	180.18306	47.66383	0.22938	4.39208	0.1868599	0.21429722	2.7656148	21	4 26.9	20.6
225588 2000 WS_{81}	16.5	X	224.39946	101.14720	293.67193	2.50888	0.1075632	0.21803784	2.7338927	21	5 24.7	20.7
225589 2000 WM_{90}	15.9	X	230.19056	332.14628	68.75616	6.17009	0.0799879	0.21888433	2.7268396	21	6 10.5	19.8
225590 2000 WE_{94}	15.6	X	165.59051	166.71455	261.51047	7.06556	0.2039749	0.21323428	2.7747980	21	5 10.2	20.3
225591 2000 WL_{103}	15.5	X	230.97843	254.89075	116.53124	13.54410	0.1554426	0.21637815	2.7478548	21	5 4.9	20.1
225592 2000 WR_{117}	14.9	X	268.95630	262.30543	77.87003	25.09559	0.2835116	0.21693995	2.7431088	21	4 26.9	19.7
225593 2000 WA_{134}	16.0	X	247.65907	25.97127	354.77240	6.92562	0.3120181	0.22209181	2.7005218	21	5 11.9	20.8
225594 2000 WX_{136}	15.9	X	113.78356	248.27561	263.03561	6.33953	0.2505064	0.21505779	2.7590904	21	7 10.5	20.3
225595 2000 WT_{155}	15.8	X	138.08305	209.90708	294.05535	8.94276	0.2788104	0.21654586	2.7464358	21	7 23.9	20.7
225596 2000 XK_{4}	16.3	X	223.91160	86.18226	301.63751	8.53508	0.2070289	0.21835632	2.7312337	21	5 7.3	21.0
225597 2000 XQ_{13}	15.7	X	286.72681	136.60181	261.76484	24.53760	0.2803045	0.22834335	2.6510045	21	7 12.5	19.5
225598 2000 XN_{21}	15.9	X	217.16842	15.15341	49.20041	14.93643	0.1928566	0.21981468	2.7191401	21	6 17.7	20.5
225599 2000 XE_{31}	16.0	X	216.71099	88.85758	302.82850	12.76411	0.2096325	0.21666243	2.7454507	21	5 4.4	21.0
225600 2000 YJ_{2}	15.8	X	106.85789	285.26466	250.37196	7.72958	0.1740796	0.21814988	2.7329566	21	7 25.2	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
225601 2000 YY_{29}	15.7	X	252.46598	337.62939	104.59394	7.85946	0.2629420	0.22423710	2.6832702	21	8 9.1	19.8
225602 2000 YS_{38}	15.9	X	226.45831	19.64708	113.70268	7.65495	0.1033464	0.22593514	2.6698090	21	10 7.1	19.8
225603 2000 YT_{39}	16.2	X	197.67720	335.26822	93.52314	6.35312	0.2948278	0.21681122	2.7441945	21	6 6.5	21.1
225604 2000 YO_{41}	15.4	X	263.52346	318.32301	99.29905	9.30621	0.0698881	0.22217958	2.6998106	21	8 17.8	19.1
225605 2000 YK_{42}	15.8	X	175.38425	137.25993	279.26524	8.08138	0.1601357	0.21160039	2.7890635	21	5 1.6	20.5
225606 2000 YM_{43}	15.7	X	194.82076	277.72590	121.93106	7.93436	0.1927403	0.21201024	2.7854679	21	5 3.9	20.5
225607 2000 YS_{49}	15.9	X	191.01627	299.89861	115.24521	14.32766	0.1951470	0.21291085	2.7776073	21	5 20.7	20.8
225608 2000 YB_{60}	16.0	X	152.23362	152.91969	300.06044	7.50959	0.1655693	0.21117618	2.7927974	21	5 26.9	20.5
225609 2000 YN_{60}	15.6	X	162.80626	348.10990	110.89386	8.86582	0.2188685	0.21332400	2.7740199	21	6 16.7	20.3
225610 2000 YJ_{74}	15.5	X	194.09477	173.26246	267.61437	12.38846	0.1277240	0.21774193	2.7363691	21	6 20.9	19.8
225611 2000 YY_{77}	15.5	X	235.37118	113.22590	271.02850	7.57190	0.1855131	0.21757764	2.7377463	21	5 16.2	19.9
225612 2000 YK_{82}	15.3	X	225.13747	349.40774	112.00962	9.56874	0.2275495	0.22236722	2.6982916	21	8 10.9	19.7
225613 2000 YH_{107}	15.8	X	250.48017	301.74389	81.65336	4.78363	0.2749517	0.21958516	2.7210345	21	5 23.0	20.4
225614 2000 YA_{120}	15.4	X	311.96420	289.92446	73.21418	17.30862	0.2246029	0.22905675	2.6454973	21	7 20.7	18.5
225615 2000 YR_{124}	15.9	X	236.63069	17.99037	95.53514	15.19887	0.2209451	0.22657674	2.6647665	21	9 12.5	20.3
225616 2000 YB_{143}	15.9	X	142.73904	117.61037	333.28272	7.30016	0.1985454	0.21035377	2.8000719	21	5 16.6	20.5
225617 2001 AQ_{14}	15.1	X	135.78671	114.67213	108.13039	14.26820	0.2694666	0.22219467	2.6996883	21	10 30.8	20.2
225618 2001 AO_{26}	14.4	X	331.55681	154.19738	55.99881	11.95175	0.3369732	0.19792347	2.9161141	21	1 8.5	18.4
225619 2001 AK_{32}	15.5	X	153.28713	103.63006	318.16676	6.06661	0.1193692	0.20866087	2.8151965	21	4 14.2	20.0
225620 2001 AR_{34}	15.6	X	198.42268	62.90867	88.60263	15.93421	0.1310421	0.22398523	2.6852814	21	10 2.1	20.1
225621 2001 BD	15.6	X	193.80142	146.03419	333.25689	12.92473	0.1459344	0.21687888	2.7436236	21	8 9.9	20.0
225622 2001 BY_{3}	15.6	X	226.23005	359.53435	89.22537	15.90088	0.1501746	0.21963507	2.7206223	21	8 3.5	20.0
225623 2001 BS_{16}	12.4	X	306.72726	344.77911	104.94148	22.27286	0.0828666	0.08368284	5.1766058	21	11 10.6	19.3
225624 2001 BJ_{39}	13.1	X	169.28093	250.60784	330.39939	4.66195	0.0045979	0.08209813	5.2430083	21	11 1.0	20.1
225625 2001 BK_{40}	16.3	X	91.87322	330.57258	135.05358	2.75396	0.0950172	0.20366598	2.8610386	21	3 30.2	20.0
225626 2001 BQ_{52}	15.9	X	133.97743	296.41688	116.67712	3.19375	0.0641463	0.20312739	2.8660938	21	3 12.1	19.9
225627 2001 BJ_{57}	15.5	X	144.30599	225.79366	253.50290	10.15322	0.1644631	0.21208678	2.7847977	21	6 22.1	20.0
225628 2001 CS_{14}	15.1	X	129.03798	113.97407	124.63361	26.86698	0.2223412	0.22092381	2.7100316	21	11 15.6	20.3
225629 2001 DN_{51}	15.7	X	174.57832	83.79702	95.15342	10.37166	0.2221895	0.21964932	2.7205046	21	10 6.7	20.5
225630 2001 DR_{77}	16.7	X	172.65591	52.49917	347.05195	1.47917	0.1151984	0.20484655	2.8500356	21	4 8.9	21.0
225631 2001 ER_{15}	16.6	X	62.63492	71.89528	118.55236	7.02426	0.1313598	0.29995527	2.2102007	21	6 10.9	18.7
225632 2001 EX_{19}	12.5	X	320.42592	93.21228	350.46588	9.56125	0.0957812	0.08214457	5.2410319	21	11 8.2	19.1
225633 2001 FF_{15}	15.4	X	359.71344	328.79058	190.46029	6.84996	0.1171743	0.19156568	2.9802835	21	1 17.5	19.1
225634 2001 FU_{49}	17.2	X	64.68122	207.64984	351.46257	3.43153	0.0948362	0.30213194	2.1995725	21	6 20.9	19.4
225635 2001 FY_{54}	14.9	X	31.36847	94.96541	17.40665	12.34146	0.0787315	0.18946757	3.0022450	21	1 13.2	18.9
225636 2001 FD_{59}	14.8	X	255.40098	155.77736	352.98005	28.57259	0.1439458	0.17908356	3.1172065	21	10 29.9	19.8
225637 2001 FL_{60}	15.3	X	80.57263	90.70321	157.41556	10.87263	0.2123696	0.21158977	2.7891568	21	10 6.1	19.5
225638 2001 FF_{72}	15.3	X	17.68240	96.73726	59.52393	8.33558	0.1079117	0.19268260	2.9687552	21	2 16.9	19.0
225639 2001 FS_{78}	16.9	X	320.02018	158.76405	72.73215	4.36394	0.1933269	0.28947820	2.2632133	21	1 23.4	19.8
225640 2001 FP_{84}	15.9	X	182.93018	11.73376	43.29170	2.54873	0.0690775	0.20345662	2.8630010	21	5 7.8	20.0
225641 2001 FO_{89}	17.6	X	239.34567	251.16995	13.74779	8.68347	0.1222046	0.28475804	2.2881547	21	—	—
225642 2001 FY_{89}	15.4	X	336.95135	135.19480	186.03218	13.27631	0.0797283	0.15913094	3.3726114	21	7 17.4	20.0
225643 2001 FN_{96}	16.1	X	289.42620	90.79024	102.00460	8.19577	0.1686306	0.23375505	2.6099291	21	—	—
225644 2001 FZ_{98}	17.2	X	320.63113	183.38036	52.54969	7.35166	0.1694886	0.29145706	2.2529575	21	2 4.3	20.1
225645 2001 FW_{107}	16.6	X	32.86015	246.24997	320.13329	8.62009	0.0356347	0.30018558	2.2090701	21	4 26.5	19.1
225646 2001 FN_{115}	17.0	X	149.72805	253.90043	5.10466	1.26922	0.1639016	0.27101901	2.3648461	21	12 22.6	20.5
225647 2001 FU_{119}	17.4	X	244.32624	249.17090	16.40373	1.54807	0.1809821	0.28232419	2.3012863	21	—	—
225648 2001 FA_{123}	17.2	X	145.69690	107.26936	17.64480	4.91974	0.0999084	0.30405342	2.1902959	21	6 25.9	20.1
225649 2001 FF_{126}	15.2	X	45.09017	322.33847	19.77186	16.57484	0.0856023	0.17312519	3.1883247	21	11 19.0	19.8
225650 2001 FA_{146}	15.3	X	304.11973	350.98723	229.52674	11.19269	0.0641480	0.19153840	2.9805665	21	1 23.3	19.7
225651 2001 FK_{147}	15.1	X	296.64270	341.34607	235.57542	8.03150	0.0852478	0.18889415	3.0083178	21	1 9.9	19.5
225652 2001 FD_{148}	15.2	X	344.24750	239.06978	300.18410	9.67150	0.0787592	0.19114292	2.9846763	21	1 25.6	19.2
225653 2001 FC_{178}	16.5	X	94.90492	90.32183	83.41682	4.94206	0.0926563	0.30201538	2.2001385	21	6 29.2	18.9
225654 2001 FR_{189}	15.4	X	352.22688	28.04763	135.10382	7.82224	0.0627494	0.19155877	2.9803552	21	1 18.2	19.2
225655 2001 HR_{28}	16.7	X	333.31056	12.73758	212.14134	5.15998	0.1565279	0.28893752	2.2660357	21	2 4.3	19.5
225656 2001 HW_{33}	14.8	X	213.00959	175.06767	44.00405	19.33260	0.1326194	0.17481205	3.1677809	21	12 18.9	19.9
225657 2001 JX_{1}	17.7	X	220.13626	133.73009	140.97546	5.55405	0.2236772	0.27758559	2.3274022	21	—	—
225658 2001 KX_{43}	16.4	X	275.18297	101.92901	155.07450	6.60682	0.0814913	0.28382737	2.2931539	21	1 17.5	19.4
225659 2001 KH_{47}	16.4	X	279.35414	242.00514	32.42283	5.38674	0.1429908	0.28669916	2.2778150	21	2 10.4	19.6
225660 2001 KB_{62}	14.9	X	208.70470	356.72686	222.31513	19.05166	0.0564961	0.17367088	3.1816425	21	12 22.3	19.8
225661 2001 KH_{71}	17.1	X	17.54639	134.56337	76.79770	6.90914	0.0860637	0.29408138	2.2395342	21	4 16.9	19.2
225662 2001 KG_{74}	14.7	X	310.22439	255.12099	234.51484	14.90783	0.0281623	0.17567585	3.1573884	21	—	—
225663 2001 LH_{16}	16.2	X	261.05297	9.43905	251.13488	5.25993	0.1720628	0.27979029	2.3151597	21	1 2.2	19.8
225664 2001 MJ_{7}	16.1	X	194.66169	67.08116	241.67556	7.31102	0.1343372	0.27466820	2.3438535	21	—	—
225665 2001 NU_{8}	16.4	X	116.13540	10.37908	335.96412	6.26151	0.1313308	0.26771564	2.3842597	21	—	—
225666 2001 NE_{10}	17.3	X	104.00784	317.14442	12.07600	2.40991	0.1804957	0.26376939	2.4079813	21	—	—
225667 2001 ND_{15}	16.8	X	68.39239	342.74849	14.50764	6.66462	0.1809061	0.26199380	2.4188487	21	—	—
225668 2001 OU_{2}	16.9	X	313.18525	137.12877	199.30842	6.26210	0.3439836	0.24195284	2.5506385	21	5 20.9	19.8
225669 2001 OE_{11}	16.5	X	136.53265	291.08890	24.91894	4.77006	0.2143193	0.26631342	2.3926216	21	—	—
225670 2001 OP_{11}	17.1	X	96.16505	276.24001	37.42804	5.15701	0.1889686	0.26092683	2.4254382	21	—	—
225671 2001 OY_{19}	16.4	X	93.58315	268.93159	94.54083	8.89260	0.2163318	0.26437320	2.4043135	21	—	—
225672 2001 OE_{20}	16.2	X	122.39103	107.97443	234.20564	5.48897	0.1671745	0.26529237	2.3987567	21	—	—
225673 2001 OV_{76}	16.5	X	92.24012	290.23675	62.57713	7.36685	0.1380738	0.26324131	2.4112007	21	—	—
225674 2001 OA_{96}	17.3	X	31.05301	217.55494	139.23922	3.09860	0.2188025	0.25464080	2.4651919	21	12 30.1	20.5
225675 2001 PA	15.8	X	228.35471	244.97253	5.39156	8.21918	0.2217588	0.27228026	2.3575375	21	—	—
225676 2001 PZ_{15}	17.0	X	33.98729	350.39535	8.73087	3.71569	0.2114644	0.25637755	2.4540461	21	—	—
225677 2001 PY_{21}	17.0	X	102.77926	45.94750	275.91043	4.10786	0.2341542	0.26171308	2.4205781	21	—	—
225678 2001 PC_{43}	16.5	X	141.45051	227.17774	84.28756	7.97619	0.1376331	0.26559629	2.3969265	21	—	—
225679 2001 PG_{50}	16.9	X	283.14189	257.54729	348.17082	5.32071	0.2389306	0.27946954	2.3169308	21	—	—
225680 2001 PO_{60}	17.6	X	92.51146	181.07160	144.66214	2.97693	0.2365112	0.26118772	2.4238229	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
225681 2001 PL_{61}	17.4	X	48.57914	336.86374	349.23654	4.09314	0.2647989	0.25442470	2.4665876	21	12 17.7	20.9
225682 2001 PA_{66}	17.3	X	55.68443	1.91250	2.59703	2.41437	0.2248254	0.25893359	2.4378695	21	—	—
225683 2001 QQ_{8}	16.4	X	109.14797	343.07404	328.68025	4.54729	0.1825884	0.26133116	2.4229358	21	—	—
225684 2001 QC_{33}	16.7	X	62.92000	57.26695	8.32748	3.61026	0.2258444	0.26480663	2.4016893	21	—	—
225685 2001 QW_{41}	17.0	X	65.66269	9.71934	333.16056	1.81312	0.2436000	0.25899935	2.4374568	21	—	—
225686 2001 QE_{60}	17.0	X	215.88174	270.40283	356.42907	3.53840	0.2313069	0.27225288	2.3576955	21	—	—
225687 2001 QG_{68}	16.5	X	115.38277	82.25570	210.27768	14.78419	0.2722072	0.26077635	2.4263712	21	—	—
225688 2001 QQ_{88}	17.3	X	132.19691	332.66050	316.20057	1.22023	0.1961730	0.26256520	2.4153381	21	—	—
225689 2001 QR_{116}	16.2	X	53.28095	11.23171	329.35830	14.73491	0.2074521	0.25478945	2.4642329	21	—	—
225690 2001 QS_{119}	15.8	X	46.94575	297.33937	90.35771	2.86845	0.1722718	0.25902065	2.4373232	21	—	—
225691 2001 QU_{124}	16.9	X	51.20847	225.63654	118.47086	3.56439	0.2451175	0.25661138	2.4525551	21	—	—
225692 2001 QJ_{146}	17.1	X	108.02728	356.28004	303.40785	0.47926	0.1859875	0.25862825	2.4397879	21	—	—
225693 2001 QS_{146}	17.3	X	177.21599	137.07655	151.93402	2.69319	0.1964460	0.26925968	2.3751361	21	—	—
225694 2001 QP_{158}	16.9	X	99.93922	343.68024	326.73971	5.98288	0.1675710	0.25943015	2.4347577	21	—	—
225695 2001 QX_{162}	16.7	X	87.41332	147.91922	224.33708	2.64475	0.1389210	0.26432463	2.4046080	21	—	—
225696 2001 QU_{169}	15.9	X	88.92674	105.31506	292.83697	2.91521	0.2717390	0.26225200	2.4172608	21	1 7.4	17.7
225697 2001 QB_{170}	17.5	X	82.10156	76.56402	253.67688	2.60984	0.2039971	0.25868766	2.4394144	21	—	—
225698 2001 QM_{185}	17.1	X	356.24368	292.62756	284.01036	19.24310	0.0647941	0.38099844	1.8844614	21	2 14.8	19.2
225699 2001 QF_{186}	17.0	X	152.06977	205.63568	232.78094	19.93865	0.0936689	0.38002212	1.8876876	21	4 17.5	19.1
225700 2001 QH_{193}	16.1	X	75.45867	127.24372	281.65498	11.27281	0.2604825	0.26316303	2.4116788	21	—	—
225701 2001 QH_{203}	16.7	X	82.94516	318.33475	55.01097	4.23688	0.1981932	0.26428605	2.4048421	21	—	—
225702 2001 QH_{215}	16.6	X	103.74264	72.05141	348.44512	3.10947	0.1213619	0.27100658	2.3649184	21	2 6.7	19.1
225703 2001 QQ_{222}	16.5	X	69.38202	134.35877	269.20241	5.90133	0.1049939	0.26600550	2.3944676	21	—	—
225704 2001 QY_{229}	16.9	X	114.50383	113.99730	206.99292	6.08999	0.1720079	0.26160618	2.4212374	21	—	—
225705 2001 QJ_{231}	16.8	X	97.21292	89.64655	256.87562	5.35324	0.1278033	0.26268124	2.4146267	21	—	—
225706 2001 QE_{242}	16.2	X	326.04996	10.48367	347.51320	10.41892	0.1735318	0.24398843	2.5364320	21	8 20.9	18.6
225707 2001 QN_{242}	16.1	X	40.84472	67.02899	353.50011	7.19333	0.1956772	0.26026958	2.4295198	21	—	—
225708 2001 QH_{246}	16.7	X	112.29276	294.83682	60.28156	2.82474	0.2352849	0.26333453	2.4106316	21	—	—
225709 2001 QA_{252}	16.9	X	191.81777	168.98737	106.63789	3.48604	0.1800788	0.26912892	2.3759054	21	—	—
225710 2001 QX_{278}	16.2	X	71.94366	337.78126	74.39670	5.90941	0.1837384	0.26572770	2.3961362	21	—	—
225711 Danyzy	17.5	X	119.44649	312.63733	330.22312	1.03198	0.1728236	0.26019534	2.4299819	21	12 23.3	21.2
225712 2001 RN_{1}	16.9	X	341.15535	301.66200	350.51068	8.04759	0.2839511	0.24162880	2.5529183	21	5 17.7	19.0
225713 2001 RE_{9}	16.6	X	208.69817	108.78465	246.92670	20.06974	0.0632298	0.37690630	1.8980768	21	2 15.6	19.4
225714 2001 RP_{20}	16.8	X	52.10875	40.02786	319.54829	1.75231	0.2183587	0.25743719	2.4473074	21	—	—
225715 2001 RW_{21}	16.8	X	121.82201	130.46238	253.46140	1.25677	0.1932403	0.26922922	2.3753153	21	1 24.2	19.8
225716 2001 RH_{23}	17.3	X	125.97580	303.66834	358.36338	0.87896	0.1598366	0.26183892	2.4198025	21	—	—
225717 2001 RX_{32}	16.6	X	120.18809	179.50388	173.93581	6.24362	0.1483218	0.26815925	2.3816295	21	—	—
225718 2001 RL_{56}	16.7	X	23.34984	79.85878	5.85829	6.05233	0.1453605	0.26277445	2.4140557	21	—	—
225719 2001 RS_{58}	16.5	X	36.66698	343.92799	55.42501	3.37819	0.1983120	0.25793553	2.4441542	21	—	—
225720 2001 RJ_{59}	17.2	X	79.47197	235.87494	110.49436	3.75202	0.1890431	0.25907094	2.4370078	21	—	—
225721 2001 RJ_{85}	16.4	X	145.59922	304.00020	347.30990	6.66656	0.0784234	0.26103024	2.4247977	21	—	—
225722 2001 RR_{86}	16.5	X	24.68741	100.10265	328.13028	2.04175	0.1804885	0.25893978	2.4378306	21	—	—
225723 2001 RS_{92}	16.7	X	123.22620	30.38952	294.39304	1.53294	0.2472444	0.26256261	2.4153540	21	—	—
225724 2001 RD_{97}	17.2	X	230.11364	99.78991	168.59348	3.26412	0.1597816	0.27223793	2.3577819	21	—	—
225725 2001 RY_{99}	16.8	X	108.33777	314.33669	24.05700	2.67698	0.1888819	0.26339080	2.4102883	21	—	—
225726 2001 RE_{100}	16.2	X	98.01441	340.93344	84.77902	3.31254	0.2036072	0.27069563	2.3667291	21	2 19.6	18.7
225727 2001 RU_{106}	17.2	X	85.41862	300.77972	32.96637	1.60644	0.2006000	0.25981796	2.4323343	21	—	—
225728 2001 RE_{107}	16.3	X	54.85156	7.07802	20.68099	7.13478	0.1133366	0.25988485	2.4319169	21	—	—
225729 2001 RA_{109}	17.1	X	148.91579	285.07405	0.93486	2.13344	0.1988565	0.26342202	2.4100978	21	—	—
225730 2001 RR_{110}	16.5	X	205.61734	236.90632	37.09597	2.87685	0.1985912	0.26986139	2.3716042	21	—	—
225731 2001 RD_{113}	17.4	X	160.60947	283.15230	339.45582	0.77580	0.1588420	0.26134155	2.4228717	21	—	—
225732 2001 RM_{130}	16.9	X	355.25568	308.03770	122.13334	2.19982	0.1560947	0.25620903	2.4551221	21	—	—
225733 2001 RA_{131}	17.3	X	115.95326	190.68234	106.27265	2.13180	0.1762661	0.25901358	2.4373675	21	—	—
225734 2001 RQ_{141}	16.9	X	23.68553	247.35981	136.26036	6.88641	0.1912244	0.25396295	2.4695764	21	—	—
225735 2001 RA_{150}	17.4	X	117.13311	238.54213	73.43850	3.01648	0.2127896	0.26189083	2.4194827	21	—	—
225736 2001 RB_{150}	16.8	X	143.82774	194.04731	96.74325	4.06881	0.1588761	0.26284565	2.4136198	21	—	—
225737 2001 RS_{154}	16.5	X	42.01205	347.55700	52.93384	7.24456	0.1533313	0.25888266	2.4381892	21	—	—
225738 2001 SL_{5}	16.9	X	36.52477	221.17081	171.55797	6.78251	0.2024049	0.25689838	2.4507282	21	—	—
225739 2001 SO_{5}	17.2	X	334.36553	331.39045	357.12899	6.39262	0.2614232	0.24289419	2.5440441	21	7 10.2	19.2
225740 2001 SK_{15}	16.5	X	43.61830	36.33984	10.34280	6.16247	0.1043123	0.26050377	2.4280635	21	—	—
225741 2001 SP_{15}	17.4	X	57.25229	341.83964	25.64468	3.09463	0.2054290	0.25770524	2.4456101	21	—	—
225742 2001 SO_{29}	17.2	X	67.06129	180.53122	171.52605	2.79997	0.1932342	0.25706445	2.4496726	21	—	—
225743 2001 SM_{36}	15.9	X	51.91553	110.26072	15.46974	22.78027	0.3328790	0.26685958	2.3893560	21	3 17.8	17.2
225744 2001 SF_{37}	16.9	X	99.15724	211.99859	130.62240	1.92291	0.2259535	0.26041436	2.4286192	21	—	—
225745 2001 SY_{41}	16.2	X	41.10804	37.43073	17.40474	9.99911	0.2307638	0.25934198	2.4353096	21	—	—
225746 2001 SC_{42}	16.6	X	47.44785	262.99095	116.44550	2.84106	0.1927004	0.25714067	2.4491884	21	—	—
225747 2001 SF_{75}	16.5	X	250.26416	120.66588	281.71325	4.57323	0.2629635	0.23636248	2.5906994	21	6 15.8	20.5
225748 2001 SG_{82}	16.9	X	42.89452	79.93760	315.33166	4.54217	0.1924288	0.25959094	2.4337522	21	—	—
225749 2001 SQ_{100}	16.1	X	127.30067	231.91307	316.98187	3.99054	0.1487457	0.24314168	2.5423174	21	9 1.5	20.1
225750 2001 SF_{130}	14.9	X	355.27853	14.31424	184.95634	19.66512	0.0858282	0.17674271	3.1446698	21	3 8.1	19.0
225751 2001 SB_{148}	16.2	X	106.32457	99.06039	230.77260	5.04427	0.1602962	0.26043276	2.4285049	21	—	—
225752 2001 ST_{152}	17.0	X	123.39024	352.81262	308.95162	2.54255	0.1914642	0.25921581	2.4360997	21	—	—
225753 2001 SF_{156}	16.3	X	49.56879	163.32571	235.71416	5.84522	0.1613452	0.25975805	2.4327083	21	—	—
225754 2001 SL_{159}	16.4	X	22.40516	172.61715	246.27154	3.44414	0.0920008	0.25801898	2.4436272	21	—	—
225755 2001 SJ_{160}	16.5	X	3.88222	206.00905	209.92465	6.13345	0.0220147	0.25572500	2.4582191	21	—	—
225756 2001 SW_{161}	17.2	X	76.06202	115.39332	230.58763	1.59987	0.2049416	0.25730739	2.4481304	21	—	—
225757 2001 SV_{165}	16.9	X	135.52983	290.47201	358.32212	2.15887	0.1806045	0.26123061	2.4235576	21	—	—
225758 2001 SE_{167}	17.1	X	87.95859	94.68737	357.91135	1.58116	0.1489787	0.27170464	2.3608660	21	3 3.1	19.5
225759 2001 SB_{174}	16.8	X	30.40797	315.73857	75.65727	2.53547	0.1920779	0.25492169	2.4633806	21	—	—
225760 2001 SK_{195}	17.1	X	54.45477	43.08380	31.17331	3.12752	0.1573483	0.26504700	2.4002370	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
225761 2001 SH_{207}	16.2	X	188.06473	302.91761	182.28556	13.50352	0.1290528	0.24025373	2.5626500	21	8 8.4	20.4
225762 2001 SJ_{229}	17.1	X	91.88949	253.00769	77.61884	2.18107	0.1491644	0.25762635	2.4461093	21	—	—
225763 2001 SH_{231}	16.0	X	1.73412	96.14505	25.67497	12.22309	0.1746738	0.26162671	2.4211108	21	—	—
225764 2001 SG_{235}	16.9	X	145.94754	285.58370	18.07453	3.19628	0.0912744	0.26036067	2.4289531	21	—	—
225765 2001 SD_{255}	15.1	X	218.91273	121.28980	194.98296	5.06389	0.2866354	0.12401148	3.9825520	21	2 16.5	21.8
225766 2001 ST_{259}	17.1	X	93.79284	88.57195	350.46266	2.05321	0.1778201	0.27026995	2.3692135	21	2 26.2	19.4
225767 2001 SL_{283}	17.2	X	3.90577	207.37613	268.52737	0.72011	0.1478370	0.26219022	2.4176405	21	—	—
225768 2001 SQ_{289}	15.7	X	39.24054	317.34344	100.05002	15.48297	0.2522159	0.25593040	2.4569037	21	—	—
225769 2001 SA_{299}	16.3	X	271.30348	204.06281	339.31387	5.96008	0.0938600	0.26287325	2.4134508	21	—	—
225770 2001 SZ_{349}	16.7	X	114.26651	231.58853	75.32367	3.30194	0.1689552	0.25739811	2.4475551	21	—	—
225771 2001 SR_{354}	16.9	X	148.62668	194.86498	86.67475	5.21108	0.2362856	0.26200828	2.4187596	21	—	—
225772 2001 TL_{6}	16.4	X	232.87899	106.34688	114.99272	4.17446	0.0382416	0.26003613	2.4309737	21	—	—
225773 2001 TQ_{16}	16.3	X	320.86225	273.16448	77.98842	15.32588	0.0963053	0.24026594	2.5625631	21	8 10.5	19.5
225774 2001 TB_{21}	15.7	X	316.30912	171.09002	259.70309	10.74679	0.1246986	0.24761970	2.5115737	21	11 20.5	18.4
225775 2001 TY_{48}	16.9	X	152.40307	209.70912	231.26295	19.29736	0.0866217	0.37774909	1.8952526	21	4 22.1	19.0
225776 2001 TG_{82}	17.0	X	320.39944	26.95815	300.65139	4.86952	0.2862929	0.24075257	2.5591089	21	5 29.7	19.6
225777 2001 TH_{148}	16.7	X	111.75709	234.18346	77.30297	6.72557	0.1360666	0.25744607	2.4472511	21	—	—
225778 2001 TB_{151}	16.7	X	52.09161	322.86612	95.36705	5.69900	0.1668190	0.26023630	2.4297269	21	—	—
225779 2001 TW_{151}	16.4	X	81.41901	232.52703	102.61115	5.55101	0.1949331	0.25621035	2.4551137	21	—	—
225780 2001 TL_{154}	16.0	X	123.27183	250.31219	76.81509	7.63169	0.1338457	0.26197498	2.4189646	21	—	—
225781 2001 TT_{155}	17.9	X	12.98627	199.68797	197.71122	1.35693	0.1899649	0.25378224	2.4707487	21	—	—
225782 2001 TW_{162}	17.1	X	110.22540	329.64504	330.65900	2.03296	0.1903988	0.25736619	2.4477575	21	—	—
225783 2001 TP_{180}	16.3	X	40.45377	188.07230	262.23413	5.10446	0.1102539	0.26263096	2.4149349	21	—	—
225784 2001 TW_{183}	16.4	X	174.08460	245.04809	15.76375	4.18397	0.1173283	0.25793902	2.4441322	21	—	—
225785 2001 TP_{200}	16.6	X	237.54904	284.24431	137.44384	8.52789	0.2123586	0.23695243	2.5863975	21	7 3.1	20.8
225786 2001 UP_{8}	16.9	X	51.43085	331.88421	116.65437	2.55078	0.2214459	0.26277143	2.4140742	21	—	—
225787 2001 UV_{43}	16.9	X	342.36625	266.00225	177.66179	3.65461	0.1547528	0.25315469	2.4748302	21	—	—
225788 2001 UF_{44}	16.8	X	57.43878	324.10731	75.46946	3.28548	0.1964313	0.25866188	2.4395764	21	—	—
225789 2001 UJ_{107}	17.0	X	273.37256	240.64618	205.54574	11.29887	0.0933148	0.24348604	2.5399198	21	10 4.0	20.0
225790 2001 UY_{111}	15.7	X	331.79995	347.34802	30.38117	15.16396	0.0587759	0.24342626	2.5403356	21	10 7.9	18.7
225791 2001 UV_{138}	17.3	X	254.36413	359.96043	49.79620	3.07363	0.1345942	0.23729339	2.5839193	21	7 15.2	20.8
225792 2001 UQ_{187}	16.9	X	335.49264	282.28316	169.41450	4.21902	0.0396055	0.25650157	2.4532550	21	—	—
225793 2001 UQ_{222}	17.0	X	274.59187	45.37560	50.16187	2.14689	0.0427714	0.24480070	2.5308182	21	10 27.7	20.1
225794 2001 VO_{8}	17.1	X	320.78872	326.88141	71.73499	4.55587	0.1611080	0.24336834	2.5407386	21	10 12.8	19.5
225795 2001 VZ_{26}	16.6	X	326.87632	343.42605	52.89978	4.18002	0.1858065	0.24387367	2.5372277	21	10 20.3	18.7
225796 2001 VY_{30}	15.3	X	72.50745	272.61048	61.86510	16.51531	0.1629035	0.25086467	2.4898683	21	—	—
225797 2001 VM_{33}	15.9	X	291.71222	3.95580	60.53445	19.19840	0.1600135	0.24088999	2.5581355	21	10 5.1	19.2
225798 2001 VS_{33}	15.9	X	220.56260	234.20161	246.63479	11.65410	0.1751635	0.23660580	2.5889229	21	8 29.1	20.2
225799 2001 VN_{41}	16.7	X	41.29970	314.18131	9.77540	2.24859	0.1057384	0.24569268	2.5246891	21	11 10.9	19.9
225800 2001 VR_{41}	14.6	X	158.34877	58.82431	36.98167	4.10273	0.2153291	0.12548757	3.9512597	21	6 9.9	21.0
225801 2001 VN_{50}	17.6	X	265.11650	232.25419	184.65795	4.39463	0.2662001	0.23796011	2.5790906	21	7 18.3	21.4
225802 2001 VC_{71}	16.1	X	304.28612	124.81843	309.14893	3.24956	0.1860161	0.24364298	2.5388290	21	10 25.3	18.4
225803 2001 VS_{77}	16.5	X	151.13651	30.31000	263.62127	4.23811	0.1059377	0.26165808	2.4209173	21	—	—
225804 2001 VK_{78}	15.8	X	336.35793	111.32059	55.83393	23.22862	0.1760306	0.26149027	2.4219529	21	—	—
225805 2001 VN_{78}	17.1	X	149.68940	285.96328	88.77372	23.64311	0.1016678	0.36674770	1.9329670	21	1 12.4	19.1
225806 2001 VC_{82}	16.0	X	354.42607	79.51438	267.46180	13.93400	0.1254240	0.23845620	2.5755123	21	9 20.9	19.2
225807 2001 VS_{87}	16.8	X	254.34033	86.94081	251.61737	20.06859	0.0095154	0.37641608	1.8997244	21	3 31.6	19.2
225808 2001 VQ_{98}	15.8	X	288.80028	272.03243	185.00872	10.97923	0.2252469	0.24177717	2.5518738	21	10 26.3	18.3
225809 2001 VX_{104}	16.5	X	34.15358	66.49444	272.84192	1.80920	0.1851105	0.24784420	2.5100568	21	12 4.7	19.5
225810 2001 VG_{106}	16.8	X	284.78619	329.65905	27.79158	5.45778	0.2528077	0.23639136	2.5904884	21	5 24.5	20.5
225811 2001 VF_{113}	16.6	X	24.36617	142.17158	291.59168	3.39650	0.1526683	0.25565944	2.4586394	21	—	—
225812 2001 VF_{115}	16.3	X	11.04479	295.26432	46.46206	4.32068	0.1716496	0.24358923	2.5392025	21	10 29.9	18.9
225813 2001 VS_{120}	16.6	X	177.88513	110.04366	267.49668	19.14228	0.0937745	0.36867464	1.9262259	21	2 12.3	19.4
225814 2001 WD_{1}	17.0	X	201.48097	289.21155	66.00305	27.17231	0.0768379	0.37202491	1.9146440	21	3 9.2	20.2
225815 2001 WP_{8}	15.7	X	5.01196	223.56507	71.82263	15.06349	0.0619920	0.23514800	2.5996120	21	8 4.5	19.1
225816 2001 WZ_{9}	16.3	X	338.11251	300.01556	115.30310	5.49619	0.1667875	0.24699955	2.5157759	21	12 12.9	18.5
225817 2001 WJ_{32}	17.0	X	347.91811	226.92472	144.26122	1.81638	0.1887047	0.24499035	2.5295119	21	10 29.7	19.1
225818 2001 WV_{56}	16.3	X	67.59055	258.98814	38.82868	4.04845	0.0607510	0.24555771	2.5256142	21	11 4.8	19.5
225819 2001 WW_{81}	16.7	X	24.26748	227.45366	129.48056	2.01765	0.0322628	0.24568095	2.5247695	21	11 21.5	20.0
225820 2001 WZ_{87}	16.3	X	14.93690	273.56611	47.88363	11.26278	0.1427051	0.24196794	2.5505323	21	10 7.6	19.1
225821 2001 WO_{103}	16.0	X	273.24604	287.41720	188.71892	11.41349	0.2550006	0.24111866	2.5565179	21	10 21.1	19.0
225822 2001 XL	15.5	X	276.57177	307.54041	133.95904	25.02152	0.2457507	0.24248300	2.5469193	21	9 12.9	18.9
225823 2001 XR_{4}	14.7	X	210.60145	47.98450	92.29410	32.60135	0.2567904	0.23128296	2.6284938	21	9 29.4	19.8
225824 2001 XT_{6}	16.6	X	205.35808	68.81204	283.69047	18.08661	0.0884975	0.36991393	1.9219213	21	2 12.1	19.3
225825 2001 XQ_{26}	16.0	X	289.64656	29.79615	65.24465	6.71725	0.2066816	0.24073380	2.5592419	21	10 27.9	18.6
225826 2001 XV_{26}	15.9	X	175.84661	162.45648	328.00755	7.44728	0.1885157	0.22708838	2.6607624	21	8 5.8	20.2
225827 2001 XB_{38}	15.6	X	336.02672	319.05095	40.58503	13.97635	0.1926244	0.24029882	2.5623294	21	9 19.9	18.0
225828 2001 XE_{44}	15.9	X	355.24831	330.76315	62.44470	12.55293	0.1596534	0.24480042	2.5308201	21	12 11.0	18.6
225829 2001 XA_{46}	15.8	X	222.42706	48.43278	52.93245	12.20066	0.1451223	0.23234072	2.6205100	21	8 20.2	20.0
225830 2001 XA_{57}	16.3	X	20.39826	24.13689	90.24124	3.38889	0.1472322	0.25862364	2.4398169	21	—	—
225831 2001 XN_{64}	15.8	X	256.95128	211.70556	264.30295	2.80123	0.1654783	0.23929258	2.5695076	21	10 9.3	19.2
225832 2001 XF_{66}	15.8	X	254.99284	167.32828	267.62576	9.23887	0.1428452	0.23435695	2.6054585	21	8 13.3	19.7
225833 2001 XR_{68}	17.3	X	219.86751	295.44480	49.14052	20.99296	0.0827280	0.37568845	1.9021765	21	3 12.7	20.1
225834 2001 XE_{79}	16.9	X	224.76153	174.76928	245.82336	2.26421	0.1757675	0.23287238	2.6165200	21	6 22.4	21.1
225835 2001 XT_{80}	15.5	X	4.50311	317.50646	32.71011	10.58711	0.1610310	0.24150761	2.5537723	21	10 27.5	18.0
225836 2001 XE_{87}	15.7	X	336.74266	313.11129	98.81806	14.29400	0.1483583	0.24474926	2.5311728	21	12 5.0	18.2
225837 2001 XZ_{91}	17.3	X	269.55792	152.26061	297.06501	2.03719	0.1978175	0.24089465	2.5581025	21	9 15.9	20.4
225838 2001 XM_{94}	16.4	X	9.86560	173.60616	271.82145	7.40923	0.1746133	0.25486377	2.4637538	21	—	—
225839 2001 XQ_{97}	15.5	X	1.31786	60.72570	330.00250	2.92072	0.1722433	0.24690978	2.5163855	21	12 21.8	18.2
225840 2001 XC_{103}	16.9	X	25.88685	140.09768	86.78318	23.92260	0.0638503	0.37597815	1.9011993	21	5 23.9	18.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
225841 2001 XB_{109}	15.8	X	212.60736	89.76667	74.53623	11.44103	0.1705002	0.23807074	2.5782916	21	10 25.9	19.8
225842 2001 XQ_{117}	15.8	X	289.97009	339.36943	87.39762	11.17944	0.0820390	0.23704808	2.5857017	21	10 10.7	19.1
225843 2001 XS_{123}	17.0	X	244.26833	63.57781	75.68810	6.39302	0.2175341	0.24318527	2.5420136	21	10 21.1	20.6
225844 2001 XP_{131}	16.5	X	324.19233	357.99068	82.59038	0.75586	0.0986672	0.24798132	2.5091314	21	12 19.6	19.2
225845 2001 XW_{133}	16.6	X	269.98374	192.82623	250.51818	4.51931	0.1757114	0.23983766	2.5656129	21	9 10.2	20.0
225846 2001 XS_{135}	15.7	X	127.50697	147.85806	87.10776	14.10635	0.1415966	0.24105940	2.5569369	21	11 4.3	19.9
225847 2001 XE_{136}	17.1	X	281.15625	338.93667	118.25093	2.29747	0.1688723	0.24297591	2.5434736	21	10 21.8	20.0
225848 2001 XO_{146}	16.2	X	186.16936	52.22218	89.79355	7.33915	0.0920887	0.23456650	2.6039065	21	9 4.6	20.1
225849 2001 XS_{159}	15.7	X	177.46831	257.83855	264.15013	10.12565	0.2244517	0.23310379	2.6147880	21	9 8.7	20.4
225850 2001 XX_{159}	16.3	X	20.48032	323.16634	101.89301	7.69178	0.0743012	0.25165567	2.4846482	21	—	—
225851 2001 XR_{161}	15.9	X	318.07598	115.95273	249.42091	10.18794	0.0440067	0.23578803	2.5949055	21	8 21.1	19.4
225852 2001 XK_{166}	16.4	X	208.66289	20.10566	117.75347	3.25004	0.1013855	0.23672617	2.5880453	21	9 21.5	20.2
225853 2001 XX_{171}	16.7	X	297.35112	325.24071	123.92976	4.37808	0.1604586	0.24340300	2.5404975	21	11 9.9	19.3
225854 2001 XB_{172}	16.4	X	288.62667	170.06410	260.46210	2.30199	0.0974457	0.23954765	2.5676832	21	10 4.2	19.3
225855 2001 XZ_{172}	16.4	X	273.91022	341.53477	121.16088	3.01837	0.1188987	0.24098514	2.5574621	21	10 25.9	19.4
225856 2001 XN_{175}	16.6	X	253.08936	249.51254	243.28515	2.50617	0.1059572	0.24136712	2.5547632	21	11 5.9	19.8
225857 2001 XA_{177}	16.0	X	239.87985	19.68376	116.94013	7.59843	0.0964342	0.23987976	2.5653127	21	10 29.8	19.5
225858 2001 XK_{177}	15.9	X	227.33558	39.61959	131.22259	4.85780	0.1891371	0.24106237	2.5569159	21	11 13.8	19.6
225859 2001 XC_{182}	15.7	X	344.99669	160.64628	206.10165	3.31957	0.2150620	0.23976457	2.5661343	21	10 15.0	17.5
225860 2001 XT_{188}	16.6	X	291.00333	306.53179	123.75964	3.03734	0.1536603	0.23883626	2.5727794	21	10 2.3	19.5
225861 2001 XS_{191}	16.0	X	185.14303	255.01972	256.74767	5.53284	0.0843699	0.23265414	2.6181560	21	9 9.8	20.0
225862 2001 XR_{201}	16.7	X	257.27818	120.22777	234.25936	5.27580	0.1092993	0.22915611	2.6447326	21	5 8.6	20.4
225863 2001 XF_{205}	16.3	X	356.84672	359.37066	9.57092	2.12165	0.2359194	0.24440196	2.5335701	21	11 19.4	18.4
225864 2001 XX_{205}	16.8	X	300.93487	317.75218	114.57821	4.60937	0.2330643	0.24308289	2.5427273	21	10 13.5	19.1
225865 2001 XS_{215}	16.6	X	340.46786	54.02897	75.08125	7.25189	0.0692243	0.25636355	2.4541354	21	—	—
225866 2001 XM_{223}	16.4	X	352.73438	284.07931	57.87373	14.27308	0.2027598	0.24168280	2.5525380	21	10 3.3	18.9
225867 2001 XM_{226}	16.5	X	256.07906	6.91849	20.62921	3.51045	0.2303363	0.23351327	2.6117304	21	6 5.2	20.5
225868 2001 XE_{229}	15.0	X	116.67968	82.32150	41.42115	3.76661	0.1280089	0.12271417	4.0105714	21	5 29.8	20.9
225869 2001 XA_{234}	16.1	X	317.13419	276.15972	74.39296	17.65683	0.2650346	0.23785832	2.5798264	21	7 1.9	18.8
225870 2001 XU_{239}	15.8	X	351.70071	12.33084	357.70777	2.24089	0.2562929	0.24276959	2.5449145	21	11 10.9	17.7
225871 2001 XC_{246}	17.0	X	254.49763	6.09021	7.57470	2.14725	0.1905530	0.23146852	2.6270889	21	5 20.9	21.0
225872 2001 XG_{260}	17.1	X	23.66256	355.14993	108.17147	2.57961	0.1475103	0.25990920	2.4317651	21	—	—
225873 2001 YL_{4}	16.0	X	240.34351	359.39498	99.11563	13.45655	0.2016872	0.23662272	2.5887995	21	8 28.4	20.1
225874 2001 YS_{4}	15.6	X	210.88749	93.12447	18.94727	14.81206	0.0575357	0.23313586	2.6145483	21	8 30.6	19.5
225875 2001 YS_{25}	16.8	X	334.13596	27.96756	300.72345	1.46470	0.1728788	0.23649825	2.5897078	21	7 19.7	19.1
225876 2001 YM_{27}	16.3	X	11.69253	268.46870	72.04625	8.29387	0.1822225	0.24321904	2.5417783	21	11 2.0	18.9
225877 2001 YG_{52}	16.4	X	263.70219	185.90549	289.76313	2.31324	0.2088783	0.24155268	2.5534546	21	10 11.6	19.8
225878 2001 YB_{62}	16.5	X	320.41474	341.42409	80.99996	3.20882	0.2555639	0.24402015	2.5362122	21	11 11.6	18.2
225879 2001 YS_{65}	14.9	X	190.41692	20.15296	52.33589	3.56142	0.2384089	0.12544548	3.9521434	21	6 7.5	21.4
225880 2001 YM_{67}	16.4	X	245.86645	65.28126	54.12600	4.01389	0.1763360	0.23850288	2.5751763	21	10 1.4	20.0
225881 2001 YW_{68}	17.0	X	227.33579	83.15330	2.96036	1.67767	0.1767927	0.23228078	2.6209608	21	7 28.3	21.0
225882 2001 YS_{70}	15.9	X	341.67050	300.02227	70.64802	4.04951	0.1679754	0.23970621	2.5665508	21	10 13.7	18.1
225883 2001 YH_{71}	16.4	X	246.44117	81.36732	337.37624	2.33509	0.1369702	0.23172454	2.6251535	21	7 17.3	20.1
225884 2001 YN_{81}	16.9	X	179.45975	75.46610	283.18458	17.92723	0.0856512	0.36496015	1.9392736	21	1 24.4	19.2
225885 2001 YY_{88}	16.4	X	272.60447	59.27782	101.69648	6.73206	0.0568233	0.24696057	2.5160406	21	—	—
225886 2001 YQ_{89}	16.2	X	205.99927	30.32872	80.11374	6.57232	0.1780587	0.23074707	2.6325618	21	8 9.1	20.5
225887 2001 YP_{108}	15.8	X	308.77099	349.16631	37.71491	9.53177	0.0545710	0.23789655	2.5795500	21	9 15.6	19.0
225888 2001 YD_{111}	15.9	X	166.12059	77.94174	325.63280	10.57350	0.1653988	0.21863513	2.7289113	21	4 4.5	20.5
225889 2001 YK_{115}	16.0	X	204.92581	41.06241	93.04364	14.02991	0.1926829	0.23266891	2.6180452	21	9 10.6	20.5
225890 2001 YY_{115}	15.7	X	199.03260	9.20327	101.18735	14.89449	0.1880055	0.22856892	2.6492601	21	8 1.5	20.1
225891 2001 YC_{116}	16.0	X	320.38416	14.28529	79.01029	6.06517	0.1964654	0.24458308	2.5323192	21	12 31.7	18.1
225892 2001 YM_{123}	15.2	X	71.25897	265.67407	31.78828	8.53558	0.2559955	0.24499312	2.5294929	21	12 1.1	19.3
225893 2001 YE_{127}	16.3	X	216.61402	82.69428	30.00123	4.81953	0.0899686	0.23405820	2.6076750	21	8 30.3	20.1
225894 2001 YV_{145}	15.6	X	72.51195	211.74840	63.53682	20.65605	0.2444529	0.24307389	2.5427901	21	11 9.2	19.5
225895 2001 YJ_{153}	15.9	X	299.51414	355.65936	38.97750	14.14175	0.1638039	0.23683159	2.5872772	21	8 31.5	19.1
225896 2001 YG_{154}	15.6	X	261.43498	302.07245	78.43044	16.00413	0.1301950	0.22874585	2.6478938	21	6 14.2	19.4
225897 2001 YH_{155}	15.4	X	11.13564	20.62842	323.95641	14.55055	0.3180081	0.24470240	2.5314959	21	11 23.9	18.2
225898 2002 AA_{1}	16.2	X	289.58104	266.27104	174.12025	10.03033	0.2446544	0.23987061	2.5653780	21	9 28.6	18.8
225899 2002 AS_{2}	15.6	X	214.18447	107.46838	80.27473	30.21942	0.3139931	0.23953309	2.5677873	21	11 17.1	20.2
225900 2002 AF_{3}	17.7	X	118.14659	190.35037	353.22605	10.55767	0.6191925	0.37421587	1.9071635	21	9 15.9	21.8
225901 2002 AR_{16}	15.8	X	355.46955	42.88481	352.94824	5.70988	0.2436392	0.24384249	2.5374440	21	12 28.8	18.2
225902 2002 AF_{22}	15.6	X	203.37497	15.97615	97.61018	16.14991	0.1888182	0.22617301	2.6679367	21	8 10.7	20.1
225903 2002 AH_{24}	15.7	X	1.37528	325.21283	63.68649	9.30928	0.1709789	0.24403034	2.5361416	21	12 17.7	18.3
225904 2002 AN_{25}	16.4	X	304.03641	228.10633	264.39721	3.81800	0.1133751	0.24655222	2.5188179	21	—	—
225905 2002 AW_{29}	15.7	X	36.63274	286.85535	305.58358	13.24989	0.0784578	0.22254904	2.6968217	21	6 24.8	19.1
225906 2002 AO_{36}	16.7	X	37.35631	342.79409	108.40396	7.88769	0.1547786	0.25855164	2.4402698	21	—	—
225907 2002 AX_{39}	16.3	X	295.44750	144.53800	254.91552	3.40134	0.1964099	0.23531896	2.5983527	21	8 15.6	19.2
225908 2002 AC_{47}	16.5	X	198.84119	17.11968	131.10522	3.72904	0.1501509	0.23383243	2.6093533	21	9 20.3	20.6
225909 2002 AM_{51}	16.8	X	174.59006	9.62054	156.55333	2.07793	0.1980855	0.23132421	2.6281813	21	9 17.5	21.1
225910 2002 AS_{55}	16.6	X	183.39258	355.97774	166.86229	2.60798	0.1262593	0.23315084	2.6144363	21	9 23.6	20.4
225911 2002 AA_{56}	16.8	X	238.60554	312.29449	164.61653	1.92350	0.1593909	0.23561613	2.5961675	21	9 20.1	20.5
225912 2002 AW_{63}	15.5	X	156.77337	208.81352	320.39414	11.47101	0.2033920	0.22699549	2.6614883	21	9 3.1	20.0
225913 2002 AM_{73}	16.4	X	240.33473	86.30192	60.23889	3.00160	0.0971411	0.24116204	2.5562113	21	11 9.2	19.8
225914 2002 AR_{80}	16.2	X	282.75424	72.36745	303.63444	10.18618	0.3152494	0.23463449	2.6034035	21	6 7.7	20.1
225915 2002 AA_{85}	16.1	X	189.54485	267.49513	243.59331	6.53105	0.1172369	0.23327744	2.6134903	21	9 11.9	20.3
225916 2002 AX_{86}	16.4	X	239.40782	292.14779	204.18240	4.13887	0.2267318	0.23821997	2.5772148	21	10 7.3	20.1
225917 2002 AR_{88}	16.7	X	229.62255	285.50849	177.56861	3.92040	0.1313983	0.23331299	2.6132248	21	8 25.1	20.4
225918 2002 AZ_{96}	16.4	X	349.64044	327.79314	102.99819	7.11592	0.1275536	0.24683184	2.5169153	21	—	—
225919 2002 AL_{102}	16.4	X	204.23964	76.63038	87.69590	6.33019	0.0625143	0.23742175	2.5829879	21	10 25.6	20.0
225920 2002 AE_{105}	16.9	X	205.76603	168.22384	325.77621	1.40750	0.1467877	0.23293937	2.6160183	21	9 7.8	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
225921 2002 AE_{106}	16.3	X	284.76744	323.75279	105.81906	6.28772	0.2019737	0.23751721	2.5822958	21	9 14.4	19.3
225922 2002 AH_{107}	17.0	X	246.38880	119.51713	328.34007	2.09704	0.1849200	0.23361016	2.6110082	21	8 18.5	20.7
225923 2002 AK_{109}	16.3	X	263.77614	84.24547	326.69904	3.97800	0.1941675	0.23218091	2.6217124	21	7 19.9	20.0
225924 2002 AE_{116}	16.0	X	122.97419	94.98277	88.72459	4.66113	0.0233602	0.22782166	2.6550501	21	8 10.8	19.6
225925 2002 AG_{131}	15.2	X	220.35467	273.79636	278.90754	25.62765	0.1915997	0.23780025	2.5802464	21	12 1.8	19.4
225926 2002 AL_{137}	16.2	X	230.76315	308.14352	115.25054	19.25657	0.1799738	0.22868868	2.6483351	21	7 2.2	20.5
225927 2002 AU_{138}	16.6	X	176.92470	111.15524	60.18432	3.01431	0.1781786	0.23223324	2.6213185	21	9 27.4	20.8
225928 2002 AM_{140}	17.2	X	267.75341	349.55960	111.89162	5.12168	0.2506867	0.24068457	2.5595908	21	9 25.2	20.5
225929 2002 AQ_{144}	16.4	X	167.24226	264.21245	283.32492	2.95709	0.0658617	0.23506036	2.6002580	21	10 8.1	20.2
225930 2002 AL_{161}	16.5	X	297.98731	113.48536	295.88994	3.45057	0.2491153	0.23646160	2.5899754	21	8 25.8	19.1
225931 2002 AS_{170}	16.3	X	309.95801	90.60189	26.37630	2.08303	0.0961645	0.24619765	2.5212357	21	—	—
225932 2002 AT_{170}	16.6	X	5.49833	313.28759	100.55667	7.71705	0.1904969	0.24750400	2.5123563	21	—	—
225933 2002 AJ_{171}	16.0	X	292.15949	296.71350	114.99499	7.63836	0.0477941	0.23455209	2.6040132	21	9 24.7	19.3
225934 2002 AT_{175}	16.6	X	288.94419	80.28124	343.20971	3.77649	0.1882175	0.23676323	2.5877752	21	9 11.3	19.6
225935 2002 AV_{175}	16.8	X	162.66665	118.14004	55.05058	2.96351	0.1030451	0.23072497	2.6327300	21	9 17.1	20.7
225936 2002 AT_{176}	16.1	X	219.27291	330.40157	99.45921	4.20794	0.0361957	0.22553275	2.6729837	21	7 10.0	19.7
225937 2002 AA_{180}	16.7	X	53.83842	72.13910	86.45262	24.44294	0.1207091	0.36547336	1.9374577	21	4 7.4	19.0
225938 2002 AV_{184}	16.2	X	337.65429	294.56878	99.37100	14.11950	0.1786111	0.24489216	2.5301880	21	11 15.0	18.7
225939 2002 AH_{185}	16.5	X	175.41861	106.28687	302.40559	3.94427	0.1168628	0.22026298	2.7154493	21	4 20.4	20.7
225940 2002 AE_{187}	15.8	X	187.96017	26.82755	96.94880	22.71124	0.0928577	0.22881926	2.6473275	21	8 13.6	20.1
225941 2002 AQ_{198}	15.5	X	355.54957	212.36826	84.08759	14.72827	0.0901682	0.22638581	2.6662646	21	7 17.8	18.6
225942 2002 AK_{202}	16.7	X	247.72582	157.60017	259.97938	2.65063	0.1496814	0.23001232	2.6381652	21	7 14.9	20.7
225943 2002 AM_{203}	16.7	X	223.05510	331.41925	120.55264	3.07763	0.0527798	0.23028887	2.6360527	21	8 12.4	20.4
225944 2002 BX_{3}	15.7	X	185.96527	159.02314	15.36201	8.81456	0.1905259	0.23492373	2.6012662	21	10 7.5	19.9
225945 2002 BE_{21}	16.1	X	210.58808	116.80771	6.44389	31.39856	0.2347316	0.23109537	2.6299160	21	9 6.9	20.8
225946 2002 BT_{23}	15.9	X	202.26812	120.94489	339.42772	13.88415	0.0628241	0.22877288	2.6476852	21	7 31.7	19.8
225947 2002 BN_{27}	16.2	X	233.48047	123.85452	22.72353	5.60395	0.2418141	0.23820497	2.5773230	21	10 12.8	20.2
225948 2002 BJ_{29}	16.1	X	235.48485	29.19766	62.25091	8.21301	0.1545331	0.23142514	2.6274171	21	8 18.2	20.1
225949 2002 BT_{29}	15.8	X	146.39313	161.56198	8.88932	11.73021	0.1252942	0.22912665	2.6449592	21	8 30.9	20.0
225950 2002 CC_{2}	16.1	X	335.79609	79.21543	337.48318	10.37054	0.1723494	0.24280431	2.5446719	21	12 7.1	18.7
225951 2002 CF_{5}	16.2	X	181.90015	156.77610	344.06393	3.90215	0.0246669	0.22894192	2.6463818	21	8 28.1	19.7
225952 2002 CO_{5}	16.4	X	219.71928	121.42193	333.43256	3.24789	0.1377294	0.22925942	2.6439379	21	8 4.1	20.2
225953 2002 CK_{24}	15.5	X	137.12345	256.65692	274.08935	13.58658	0.0597451	0.22667800	2.6639729	21	8 8.1	19.5
225954 2002 CD_{27}	16.7	X	289.61504	63.03985	6.90311	4.26670	0.2031286	0.23809771	2.5780969	21	9 20.1	19.5
225955 2002 CK_{27}	16.8	X	286.26058	47.00575	21.09600	4.85637	0.2379462	0.23777013	2.5804643	21	9 7.2	19.7
225956 2002 CG_{31}	16.1	X	247.28489	119.01487	343.98036	11.24076	0.1513939	0.23455582	2.6039855	21	9 12.1	19.8
225957 2002 CT_{33}	16.6	X	262.69584	26.59017	78.62674	6.68779	0.2400965	0.23711151	2.5852405	21	9 26.1	20.1
225958 2002 CL_{60}	16.2	X	240.72015	15.50541	56.87516	5.22975	0.1515668	0.23084035	2.6318526	21	7 28.1	20.1
225959 2002 CM_{62}	16.2	X	240.18388	84.37759	54.37819	8.50228	0.1543303	0.23722459	2.5844190	21	10 23.1	19.7
225960 2002 CY_{64}	16.5	X	244.90964	7.39195	89.89174	10.21439	0.1646185	0.23313242	2.6145740	21	9 5.5	20.4
225961 2002 CC_{71}	16.5	X	236.78402	300.75115	134.45900	2.23723	0.0967352	0.22876920	2.6477136	21	8 1.2	20.3
225962 2002 CN_{87}	16.5	X	115.13670	192.57566	13.03539	3.04864	0.0431948	0.22785959	2.6547554	21	8 31.9	20.2
225963 2002 CQ_{89}	15.5	X	179.35711	268.93757	340.96935	10.29521	0.0882759	0.19102122	2.9859439	21	12 31.2	20.2
225964 2002 CG_{96}	16.3	X	154.92920	334.85319	140.93760	5.38731	0.0650216	0.22040314	2.7142980	21	6 22.9	20.3
225965 2002 CM_{100}	16.1	X	189.21483	331.13460	154.25310	9.23638	0.1300523	0.22621092	2.6676387	21	8 11.3	20.3
225966 2002 CK_{104}	16.1	X	221.79851	359.50741	129.16775	4.93829	0.2047952	0.23161405	2.6259882	21	9 13.7	20.2
225967 2002 CS_{113}	16.3	X	300.78896	267.92871	118.15900	10.72694	0.1792006	0.23276207	2.6173466	21	8 10.8	19.2
225968 2002 CF_{116}	16.1	X	195.88580	142.57625	316.22324	2.71179	0.0597974	0.22498688	2.6773054	21	7 18.6	19.9
225969 2002 CJ_{116}	16.3	X	201.43044	43.39843	336.65999	3.73266	0.0816477	0.21211876	2.7845178	21	4 11.9	20.5
225970 2002 CD_{121}	16.5	X	280.23955	236.92261	193.68207	3.41336	0.1694878	0.23587360	2.5942778	21	9 9.9	19.7
225971 2002 CL_{135}	16.1	X	286.53969	62.70865	293.52919	5.10340	0.0582154	0.22400171	2.6851496	21	6 25.9	19.5
225972 2002 CB_{141}	16.5	X	311.59991	213.55389	244.36602	4.27815	0.2260797	0.24345540	2.5401329	21	12 16.4	18.3
225973 2002 CR_{142}	16.7	X	212.03790	160.77911	278.93979	2.25369	0.1280569	0.22798938	2.6537478	21	7 7.6	20.6
225974 2002 CG_{160}	16.5	X	262.11739	48.20135	52.46062	4.31288	0.1412734	0.23717694	2.5847651	21	10 2.5	19.9
225975 2002 CW_{160}	16.1	X	203.20714	139.89588	339.12734	11.56335	0.1432280	0.23058837	2.6337696	21	8 19.1	20.2
225976 2002 CU_{164}	16.1	X	256.17916	55.47536	2.90205	7.82495	0.1168661	0.22956729	2.6415736	21	8 2.6	19.9
225977 2002 CP_{180}	15.9	X	283.27907	1.71368	330.76622	7.07098	0.0941895	0.22111988	2.7084294	21	5 11.8	19.7
225978 2002 CF_{186}	16.8	X	133.42273	95.13171	97.46392	3.57809	0.1327936	0.22775200	2.6555914	21	9 13.0	20.9
225979 2002 CP_{189}	16.6	X	293.61536	341.93229	47.75976	3.47924	0.1001282	0.23169702	2.6253613	21	8 17.4	19.7
225980 2002 CL_{196}	15.7	X	279.66026	16.60738	336.92152	10.52208	0.0883040	0.22273421	2.6953268	21	6 6.6	19.5
225981 2002 CQ_{215}	15.9	X	253.61495	226.05919	154.08566	9.57596	0.0901871	0.22087460	2.7104342	21	6 11.2	19.9
225982 2002 CR_{222}	16.3	X	89.09198	9.00042	168.93354	5.41138	0.0933499	0.21981647	2.7191253	21	6 27.7	20.0
225983 2002 CH_{225}	16.1	X	259.01109	197.16575	152.08367	6.72031	0.0418357	0.21636757	2.7479444	21	5 15.5	20.0
225984 2002 CJ_{228}	12.5	X	80.56408	30.79997	277.83609	9.09328	0.0066459	0.08428663	5.1518547	21	10 31.1	19.5
225985 2002 CP_{235}	15.4	X	181.13926	39.67031	177.08037	9.76999	0.2468604	0.18549570	3.0449499	21	11 17.3	20.8
225986 2002 CY_{237}	16.0	X	331.91358	109.49693	289.68121	10.42281	0.2904142	0.23969493	2.5666313	21	10 28.9	17.8
225987 2002 CT_{251}	15.8	X	99.45004	244.28967	315.05793	12.60591	0.1007653	0.22569767	2.6716814	21	8 9.9	19.5
225988 2002 CC_{254}	16.4	X	251.11239	110.80293	303.70806	3.37241	0.0943424	0.22948163	2.6422309	21	7 22.5	20.1
225989 2002 CE_{259}	15.9	X	316.88452	41.07829	59.97353	6.08878	0.2327030	0.24279824	2.5447143	21	—	—
225990 2002 CM_{259}	16.1	X	200.10576	160.42478	298.89755	10.95750	0.1382969	0.22613596	2.6682281	21	7 20.3	20.2
225991 2002 CK_{261}	16.2	X	284.80541	4.21968	120.31441	5.81038	0.1623767	0.24085519	2.5583819	21	12 5.7	18.9
225992 2002 CL_{289}	16.1	X	147.29014	46.80159	84.63648	12.51733	0.1393600	0.22406690	2.6846288	21	7 9.4	20.3
225993 2002 CF_{309}	12.8	X	6.36989	249.73869	138.58917	10.07561	0.0201551	0.08312763	5.1996301	21	11 11.5	19.7
225994 2002 CF_{310}	16.4	X	232.91131	234.18025	255.52931	3.67741	0.1007878	0.23404862	2.6077462	21	10 5.6	20.0
225995 2002 DS	16.6	X	217.81292	91.78581	317.00460	4.15141	0.0273903	0.22104464	2.7090439	21	6 10.2	20.4
225996 2002 DO_{6}	15.8	X	148.90292	289.33210	156.67021	13.34370	0.0621668	0.21631425	2.7483959	21	5 11.5	20.0
225997 2002 DO_{7}	16.2	X	208.94011	95.13220	36.94796	13.15410	0.2123846	0.23310438	2.6147837	21	9 10.6	20.7
225998 2002 DA_{8}	15.7	X	87.25069	144.39580	50.35629	13.42648	0.1170276	0.22214772	2.7000687	21	7 25.1	19.7
225999 2002 DU_{8}	16.0	X	251.20835	7.35983	69.28649	15.58859	0.2008923	0.23226970	2.6210442	21	8 12.3	20.1
226000 2002 DK_{11}	15.2	X	256.56974	222.52255	158.92303	28.24132	0.1445342	0.22295098	2.6935795	21	6 12.5	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
226001 2002 DT_{11}	15.6	X	240.13117	205.53817	265.89008	12.11889	0.2071622	0.23361322	2.6109853	21	9 1.9	19.9
226002 2002 DK_{12}	15.4	X	31.15597	133.59747	94.52510	13.70461	0.1532851	0.21461230	2.7629073	21	6 16.5	18.2
226003 2002 DG_{20}	16.5	X	354.67619	220.37913	24.95513	4.18303	0.0210556	0.21365566	2.7711484	21	5 6.7	20.0
226004 2002 EB	15.5	X	292.05000	37.19009	62.36091	29.36537	0.1039997	0.23977090	2.5660891	21	11 20.9	18.5
226005 2002 EP_{14}	13.2	X	293.38358	255.85934	204.30281	7.37390	0.0401314	0.08402958	5.1623558	21	11 2.8	19.9
226006 2002 EZ_{18}	16.8	X	246.23513	156.86860	168.78493	4.45238	0.0675602	0.21142240	2.7906287	21	3 26.8	20.9
226007 2002 ED_{19}	15.4	X	106.49180	270.03193	264.12839	10.65630	0.1386924	0.22036516	2.7146099	21	7 18.9	19.4
226008 2002 EM_{32}	16.2	X	42.92559	162.64654	36.11005	3.72336	0.0125900	0.21453284	2.7635894	21	5 11.1	19.8
226009 2002 ES_{45}	16.0	X	53.69914	112.31836	68.37302	4.94259	0.0364295	0.21361064	2.7715377	21	5 5.6	19.7
226010 2002 EF_{50}	16.0	X	273.27848	1.94438	345.08524	5.43132	0.0270211	0.21747093	2.7386419	21	5 29.9	19.8
226011 2002 EX_{52}	16.5	X	192.19448	318.57017	137.86550	4.58365	0.1595475	0.22364391	2.6880128	21	7 7.9	20.8
226012 2002 EG_{58}	15.8	X	136.04778	313.47932	187.83459	8.84513	0.1091073	0.22029560	2.7151813	21	7 6.9	20.0
226013 2002 ER_{61}	15.7	X	40.13505	250.94064	185.91216	10.22780	0.0197193	0.19699008	2.9253185	21	—	—
226014 2002 EG_{80}	15.8	X	347.32306	219.54180	4.32409	8.77382	0.0822471	0.20977799	2.8051931	21	3 24.7	19.3
226015 2002 EB_{84}	16.6	X	60.72262	61.69812	140.60446	2.94887	0.1675966	0.21664745	2.7455772	21	7 2.7	20.0
226016 2002 EN_{84}	15.6	X	351.56700	29.91879	104.06576	3.08316	0.0475684	0.19808482	2.9145304	21	—	—
226017 2002 EM_{94}	16.4	X	159.07414	111.13065	0.04651	4.27943	0.0737689	0.21983564	2.7189673	21	6 22.0	20.5
226018 2002 EQ_{102}	15.8	X	80.40916	232.81528	311.19170	8.57033	0.1374252	0.21712396	2.7415587	21	7 2.2	19.5
226019 2002 EV_{105}	16.3	X	299.74117	150.95966	18.15501	8.95153	0.0822189	0.24603843	2.5223233	21	—	—
226020 2002 EN_{110}	16.0	X	73.06024	130.69234	37.44924	8.52516	0.1409215	0.21363976	2.7712858	21	5 29.5	19.5
226021 2002 EC_{112}	16.3	X	267.26677	247.23519	16.42868	6.32820	0.0251932	0.20358693	2.8617792	21	2 9.7	20.3
226022 2002 EX_{112}	13.5	X	28.41120	348.79146	19.33674	5.91081	0.0823271	0.08276943	5.2146209	21	11 15.5	20.1
226023 2002 EY_{115}	15.6	X	117.68695	132.41543	30.58851	13.94308	0.1349607	0.21865595	2.7287380	21	7 22.3	20.0
226024 2002 EG_{123}	16.4	X	138.88867	251.26947	229.50258	4.30497	0.0780845	0.21764928	2.7371456	21	6 11.7	20.4
226025 2002 EA_{125}	16.0	X	284.43173	336.74762	19.04303	5.16753	0.0613851	0.22056005	2.7130105	21	6 21.7	19.7
226026 2002 EA_{127}	15.5	X	139.67464	350.95995	344.65883	13.32851	0.0755550	0.19881755	2.9073651	21	—	—
226027 2002 EK_{127}	12.6	X	334.37288	62.95116	352.85857	31.10460	0.0913452	0.08298689	5.2055074	21	10 15.8	19.4
226028 2002 ED_{128}	16.6	X	78.35694	108.95179	110.41115	1.23231	0.0081847	0.22327714	2.6909556	21	7 26.6	20.0
226029 2002 EQ_{141}	16.2	X	33.93061	191.70088	21.63399	3.44682	0.0175898	0.21549395	2.7553662	21	5 18.3	19.7
226030 2002 ER_{153}	13.4	X	306.86037	259.48048	182.43481	9.45322	0.1242599	0.08197272	5.2483542	21	10 21.2	20.0
226031 2002 FX_{8}	16.2	X	180.98086	151.96006	335.44772	13.26182	0.1989553	0.22460801	2.6803153	21	8 7.9	20.7
226032 2002 FN_{16}	15.7	X	213.15784	85.05225	58.41915	12.90350	0.1895988	0.22993780	2.6387351	21	9 30.2	20.1
226033 2002 FR_{18}	13.5	X	66.79794	176.78897	149.44895	2.19863	0.0898580	0.08380821	5.1714422	21	11 17.6	20.3
226034 2002 FH_{29}	15.9	X	199.42596	117.02695	109.18181	6.47762	0.0864144	0.23898841	2.5716872	21	—	—
226035 2002 FR_{29}	16.3	X	168.80133	19.56443	93.02509	5.72638	0.1704975	0.22191481	2.7019576	21	7 7.1	20.6
226036 2002 FC_{32}	12.9	X	317.53471	39.73599	46.70555	10.40754	0.0294151	0.08324432	5.1947697	21	11 15.3	19.6
226037 2002 FZ_{35}	15.6	X	218.39407	50.96846	76.15569	13.48324	0.2091266	0.22981795	2.6396525	21	9 13.8	20.1
226038 2002 FW_{38}	16.6	X	217.30268	38.12439	76.07648	3.79854	0.1644620	0.22856996	2.6492521	21	8 25.5	20.7
226039 2002 GB_{13}	15.1	X	214.45403	220.98014	199.86369	35.41769	0.1640524	0.21936683	2.7228397	21	6 10.8	20.2
226040 2002 GF_{18}	15.6	X	61.11398	102.60586	22.41820	15.01538	0.0981296	0.20448983	2.8533491	21	3 16.1	19.3
226041 2002 GJ_{35}	16.7	X	9.52502	127.51029	94.26839	23.78955	0.0577409	0.36817413	1.9279712	21	4 22.7	19.1
226042 2002 GE_{44}	16.3	X	263.87142	269.15751	204.17841	2.85574	0.1690187	0.23328996	2.6133967	21	10 15.1	19.5
226043 2002 GD_{57}	17.3	X	53.33562	44.58017	5.01769	18.33069	0.1136450	0.35087727	1.9908226	21	—	—
226044 2002 GE_{66}	15.5	X	244.00810	188.76066	77.71810	3.20125	0.0454406	0.19677886	2.9274114	21	1 14.8	19.8
226045 2002 GA_{72}	15.8	X	124.32348	128.56040	25.19528	13.95573	0.1415485	0.21833460	2.7314149	21	7 17.6	20.2
226046 2002 GV_{75}	17.8	X	3.56258	33.55335	252.23036	2.47303	0.2289626	0.31564143	2.1363548	21	7 23.7	18.5
226047 2002 GL_{85}	15.9	X	43.66780	106.00711	104.64548	4.86049	0.0359879	0.21295141	2.7772547	21	5 31.6	19.5
226048 2002 GO_{88}	15.5	X	148.64342	96.37299	60.77843	16.57631	0.1009606	0.21936437	2.7228600	21	8 17.6	20.0
226049 2002 GC_{89}	15.3	X	127.02258	220.80002	96.34770	17.26821	0.1887442	0.18227253	3.0807413	21	—	—
226050 2002 GT_{112}	16.2	X	346.52061	46.71083	143.29043	5.03733	0.2186192	0.20142689	2.8822021	21	1 21.3	19.5
226051 2002 GC_{113}	15.0	X	113.19440	197.77649	91.85196	9.31809	0.2748810	0.17846317	3.1244266	21	12 19.5	20.5
226052 2002 GW_{116}	15.0	X	205.25234	280.37059	40.74779	17.51525	0.1530748	0.19695903	2.9256258	21	2 15.0	20.1
226053 2002 GD_{118}	12.8	X	27.34824	275.02570	112.12430	9.52378	0.0522706	0.08277735	5.2142884	21	12 4.6	19.5
226054 2002 GP_{128}	15.2	X	112.68291	304.41427	0.42145	10.84537	0.2876353	0.18045459	3.1013974	21	—	—
226055 2002 GK_{134}	16.2	X	93.31144	177.54691	344.20666	2.87813	0.0285091	0.21359809	2.7716463	21	6 1.3	20.0
226056 2002 GC_{137}	14.7	X	121.71202	70.68405	222.28200	25.89835	0.1897639	0.17980535	3.1088587	21	12 22.5	20.2
226057 2002 GG_{138}	15.8	X	135.12092	100.04184	31.57278	9.57069	0.0988577	0.21428553	2.7657154	21	6 23.2	20.1
226058 2002 GO_{145}	15.9	X	197.10444	38.52221	220.37665	4.78424	0.0982616	0.18857379	3.0117240	21	—	—
226059 2002 GN_{148}	16.3	X	33.46593	288.00486	265.96515	2.47359	0.0329190	0.20971551	2.8057503	21	4 22.8	20.0
226060 2002 GV_{160}	16.4	X	98.73295	25.43468	115.82705	4.46566	0.0981150	0.21296440	2.7771417	21	5 24.3	20.3
226061 2002 GT_{164}	15.7	X	125.98592	315.13816	206.20077	13.51917	0.1485270	0.21756753	2.7378312	21	7 22.9	20.2
226062 2002 GN_{169}	15.9	X	85.73475	235.65599	295.66042	3.94777	0.1007349	0.21300294	2.7768068	21	6 15.6	19.5
226063 2002 GJ_{171}	16.3	X	25.57554	13.29409	204.44371	8.91807	0.1133469	0.21144001	2.7904737	21	5 19.4	19.5
226064 2002 GU_{184}	15.9	X	148.90682	104.29772	224.75652	8.83999	0.0124698	0.19047702	2.9916285	21	—	—
226065 2002 HE_{9}	15.8	X	82.78060	110.80486	58.45830	10.26657	0.1677765	0.21354604	2.7720967	21	6 18.7	19.5
226066 2002 HK_{9}	15.6	X	266.31137	116.18084	158.10860	9.95501	0.1917860	0.19831045	2.9123192	21	2 2.5	20.4
226067 2002 HQ_{14}	12.9	X	274.05743	111.25007	19.95169	7.51953	0.0346784	0.08166100	5.2617021	21	11 13.2	19.8
226068 2002 JC_{18}	15.5	X	158.30151	246.51846	37.65390	11.31993	0.1017587	0.18414874	3.0597801	21	—	—
226069 2002 JX_{41}	15.5	X	167.60948	64.32893	203.56216	12.70120	0.2549645	0.18376396	3.0640499	21	12 31.2	21.1
226070 2002 JQ_{68}	15.5	X	215.93504	57.67806	63.92823	12.33324	0.1371246	0.22866773	2.6484968	21	9 10.1	19.7
226071 2002 JR_{85}	15.7	X	174.26287	59.26085	241.93372	4.11736	0.0404838	0.18932127	3.0037914	21	—	—
226072 2002 JW_{102}	15.1	X	104.69607	226.74039	77.20842	12.31496	0.2478672	0.17460578	3.1702753	21	12 26.9	20.5
226073 2002 JA_{103}	15.3	X	92.53234	82.28715	71.67143	14.11924	0.0894261	0.20923516	2.8100428	21	5 31.1	19.1
226074 2002 JD_{108}	15.7	X	55.34154	171.03496	105.68221	15.92188	0.0608161	0.22217632	2.6998369	21	9 26.7	19.6
226075 2002 JM_{128}	15.6	X	263.50359	28.10498	199.04190	10.11303	0.0457357	0.19175555	2.9783158	21	—	—
226076 2002 JZ_{137}	15.5	X	148.29219	306.64036	41.14004	10.64440	0.0993268	0.19089331	2.9872776	21	1 14.9	20.1
226077 2002 JD_{138}	18.1	X	345.59705	61.05309	225.16031	2.63802	0.1697844	0.31275970	2.1494575	21	6 2.4	19.4
226078 2002 KG_{16}	14.9	X	209.51375	161.06923	98.89056	15.83467	0.1533664	0.18102097	3.0949250	21	—	—
226079 2002 LO	15.3	X	108.30550	73.74925	229.94114	25.26566	0.2657535	0.17509950	3.1643131	21	12 26.7	21.1
226080 2002 LT_{14}	15.2	X	144.27670	240.76616	60.47421	9.91761	0.0843845	0.18170859	3.0871122	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
226081 2002 LL_{17}	14.9	X	114.87156	72.86456	241.74200	14.98087	0.2304324	0.17716022	3.1397272	21	—	—
226082 2002 LQ_{20}	17.2	X	276.41201	209.32316	77.91487	6.62104	0.2704952	0.29915158	2.2141575	21	2 10.9	20.8
226083 2002 LW_{21}	14.3	X	50.29230	288.65740	63.26836	26.83678	0.2485206	0.17262472	3.1944841	21	12 31.4	19.2
226084 2002 LB_{34}	15.2	X	60.45903	343.29244	89.54703	13.85617	0.0154845	0.18957072	3.0011558	21	—	—
226085 2002 LN_{51}	15.7	X	230.38080	67.28829	207.91114	9.71999	0.0976023	0.19109693	2.9851551	21	1 7.7	20.5
226086 2002 LG_{52}	15.3	X	232.72134	168.23046	120.00673	11.67704	0.0342386	0.19392391	2.9560729	21	1 29.5	19.5
226087 2002 NM_{26}	17.0	X	199.08332	174.97464	158.16786	4.04753	0.2660975	0.29004522	2.2602627	21	2 7.2	20.8
226088 2002 NX_{45}	16.9	X	48.60554	330.74323	279.13342	3.08526	0.0380697	0.31261841	2.1501051	21	8 3.4	19.2
226089 2002 NA_{57}	17.2	X	232.64301	34.89372	325.60823	3.48999	0.1439682	0.29931183	2.2133672	21	4 9.6	20.4
226090 2002 NQ_{60}	15.7	X	143.13192	38.19121	234.96485	7.35008	0.1457188	0.17181994	3.2044513	21	12 18.9	21.0
226091 2002 OX_{5}	14.9	X	275.92715	311.73003	263.43546	11.53568	0.0687660	0.18334166	3.0687531	21	—	—
226092 2002 OC_{10}	17.2	X	257.46342	68.59740	246.78978	5.50857	0.1829759	0.29720940	2.2237930	21	3 2.9	20.7
226093 2002 OG_{13}	14.9	X	257.25948	353.92878	265.88576	13.23223	0.1544377	0.18806674	3.0171348	21	1 12.2	19.8
226094 2002 OS_{15}	15.0	X	196.18426	344.15394	267.47559	13.77686	0.0380556	0.17534476	3.1613617	21	—	—
226095 2002 OU_{16}	15.1	X	78.85226	89.77251	249.12693	8.20769	0.1071254	0.17103032	3.2143066	21	12 30.6	20.0
226096 2002 OP_{17}	17.3	X	333.10948	49.32498	216.86088	6.03371	0.1536657	0.30286419	2.1960258	21	4 4.8	19.5
226097 2002 OM_{26}	15.3	X	155.82311	263.50357	18.85114	8.93322	0.0673345	0.17490225	3.1666917	21	—	—
226098 2002 PE_{4}	15.2	X	200.47148	5.90660	230.11809	8.49553	0.0463943	0.17533703	3.1614546	21	—	—
226099 2002 PV_{19}	17.1	X	186.22288	290.41842	150.40551	4.20563	0.1072393	0.30477033	2.1868597	21	6 11.4	20.1
226100 2002 PO_{20}	15.9	X	131.68526	18.91278	303.40771	3.29751	0.1076947	0.17622626	3.1508106	21	—	—
226101 2002 PL_{32}	16.9	X	76.67192	85.94375	162.14736	3.99040	0.1449441	0.31544248	2.1372530	21	10 1.9	19.5
226102 2002 PS_{36}	17.2	X	212.80197	232.18915	158.17601	8.02609	0.1481251	0.29923493	2.2137463	21	5 3.5	20.6
226103 2002 PW_{47}	17.4	X	234.39601	101.52261	232.35682	5.68777	0.1860592	0.29483755	2.2357034	21	3 5.5	21.1
226104 2002 PO_{57}	16.4	X	212.69298	46.24805	324.11777	5.88023	0.1942179	0.29470170	2.2363904	21	4 1.4	20.1
226105 2002 PV_{66}	17.4	X	216.93157	209.32501	142.63446	4.89956	0.1306520	0.29698679	2.2249041	21	3 16.9	20.7
226106 2002 PN_{79}	17.2	X	186.08927	344.14897	11.81161	6.05737	0.2056127	0.29089864	2.2558398	21	2 24.6	20.8
226107 2002 PZ_{90}	16.8	X	225.37619	261.86369	96.76965	6.12198	0.2243821	0.29704012	2.2246378	21	4 2.6	20.5
226108 2002 PV_{97}	16.7	X	242.29505	319.57111	8.85796	8.26933	0.2361758	0.29604476	2.2296214	21	3 8.0	20.3
226109 2002 PU_{98}	16.9	X	253.45241	207.07165	135.83178	7.20980	0.1587852	0.29910481	2.2143883	21	4 11.6	20.1
226110 2002 PZ_{117}	15.6	X	125.54467	40.91168	270.70713	8.32851	0.0179978	0.17354257	3.1832105	21	—	—
226111 2002 PH_{120}	14.8	X	55.13328	98.91637	299.82027	10.92257	0.2812325	0.17147957	3.2086902	21	—	—
226112 2002 PJ_{128}	16.9	X	297.78744	273.85944	44.61148	5.30704	0.1435679	0.30233663	2.1985796	21	4 30.6	19.3
226113 2002 PZ_{129}	16.8	X	263.06242	224.83773	84.45550	7.47598	0.1534749	0.29637315	2.2279741	21	3 9.8	20.1
226114 2002 PD_{133}	17.2	X	286.54929	21.63108	313.88683	4.35584	0.1337023	0.30489785	2.1862499	21	5 9.1	19.8
226115 2002 PF_{157}	14.9	X	350.19351	315.29697	135.74896	15.08582	0.2295857	0.17261868	3.1945585	21	—	—
226116 2002 PE_{168}	17.6	X	182.26080	33.90354	60.41181	2.63100	0.0735711	0.30492091	2.1861397	21	6 25.4	20.2
226117 2002 PA_{181}	15.5	X	235.23489	188.19137	17.86358	5.01271	0.1909289	0.17760449	3.1344890	21	12 22.6	20.1
226118 2002 PB_{182}	15.9	X	196.39834	184.20394	67.64044	2.80750	0.0333468	0.17587960	3.1549494	21	—	—
226119 2002 PN_{182}	16.9	X	89.98663	35.22515	14.29232	5.57027	0.1474370	0.28367681	2.2939652	21	—	—
226120 2002 PP_{190}	18.3	X	275.47575	278.06862	42.60260	4.72018	0.1147744	0.30126267	2.2038016	21	4 9.1	21.0
226121 2002 QG_{4}	15.5	X	39.27006	87.78247	312.13952	5.06148	0.1033636	0.17116182	3.2126601	21	—	—
226122 2002 QH_{59}	17.6	X	80.48534	72.39141	26.95737	4.21686	0.0420978	0.29128111	2.2538647	21	2 11.3	20.1
226123 2002 QY_{67}	15.2	X	6.36823	121.50297	309.33984	9.64487	0.1530024	0.17007781	3.2262965	21	—	—
226124 2002 QL_{68}	16.0	X	258.05428	59.75018	118.80670	3.51025	0.0748568	0.17237322	3.1975906	21	12 30.8	20.5
226125 2002 QM_{73}	17.5	X	333.03720	231.25968	28.96428	3.67226	0.0880864	0.30047745	2.2076393	21	4 8.6	19.5
226126 2002 RP_{14}	17.7	X	189.91617	16.00733	326.66199	0.95182	0.1942246	0.28871937	2.2671770	21	2 9.1	21.2
226127 2002 RQ_{17}	17.1	X	190.55752	25.91990	344.60184	3.08604	0.1865365	0.29172732	2.2515658	21	3 15.5	20.7
226128 2002 RU_{19}	17.2	X	216.42825	188.88447	151.48772	6.44640	0.2139334	0.29205908	2.2498604	21	3 1.2	20.8
226129 2002 RG_{22}	17.3	X	161.91538	67.77486	353.91638	4.01725	0.1344172	0.29446284	2.2375996	21	4 18.9	20.4
226130 2002 RM_{33}	17.2	X	174.74645	144.56002	209.00474	1.89433	0.1872495	0.28768735	2.2725958	21	2 7.8	20.5
226131 2002 RA_{44}	16.9	X	232.82334	327.91424	5.23458	4.82403	0.2564312	0.29469697	2.2364143	21	3 4.9	20.8
226132 2002 RK_{77}	17.0	X	186.05093	69.66447	340.31171	6.18271	0.0666541	0.29702564	2.2247101	21	4 25.1	20.1
226133 2002 RF_{79}	18.0	X	190.05229	224.68547	162.07946	3.39668	0.2185239	0.29305025	2.2447845	21	4 6.8	21.5
226134 2002 RG_{79}	17.0	X	180.32477	4.22835	354.87653	4.79536	0.1518559	0.28906042	2.2653934	21	2 19.2	20.2
226135 2002 RQ_{87}	16.9	X	175.06460	355.77932	7.94415	4.03322	0.1857909	0.28773457	2.2723472	21	2 22.7	20.4
226136 2002 RV_{93}	17.3	X	148.51951	142.68775	241.26417	3.56083	0.2397594	0.28600360	2.2815065	21	2 25.1	20.6
226137 2002 RS_{98}	16.5	X	61.56928	131.17365	255.90878	5.16659	0.1607007	0.27501655	2.3418739	21	—	—
226138 2002 RK_{123}	16.8	X	192.16696	211.21703	124.18853	6.46733	0.2129484	0.28799638	2.2709698	21	2 3.4	20.5
226139 2002 RQ_{123}	17.3	X	148.77715	255.28460	111.01441	4.43529	0.2094946	0.28409089	2.2917356	21	2 2.2	20.5
226140 2002 RN_{134}	16.9	X	142.97019	279.17906	78.96198	7.28225	0.1488000	0.28295884	2.2978440	21	1 8.0	19.7
226141 2002 RG_{138}	16.9	X	102.35866	328.97550	51.97581	8.32256	0.2725720	0.27964898	2.3159396	21	1 1.9	19.1
226142 2002 RC_{145}	17.9	X	119.72066	229.54983	170.27105	0.32946	0.2081306	0.28388891	2.2928225	21	2 11.5	20.6
226143 2002 RN_{157}	16.9	X	204.74453	292.87423	310.51149	1.65067	0.1713329	0.27856600	2.3219382	21	—	—
226144 2002 RN_{170}	17.5	X	132.27407	7.14952	306.62977	3.97211	0.2295713	0.27852510	2.3221654	21	—	—
226145 2002 RZ_{173}	17.6	X	210.07220	78.12676	285.93883	3.16946	0.0670080	0.29463990	2.2367031	21	3 22.9	20.6
226146 2002 RY_{242}	17.6	X	197.46400	152.24891	218.69806	2.44484	0.1824460	0.29345737	2.2427078	21	3 21.5	21.1
226147 2002 RU_{247}	17.8	X	190.32832	252.66446	114.17264	7.86958	0.1883041	0.29223850	2.2489395	21	3 14.3	21.4
226148 2002 RP_{255}	15.2	X	184.61679	334.11834	263.83477	13.75266	0.1421140	0.17203872	3.2017340	21	12 15.1	20.2
226149 2002 RM_{259}	17.3	X	148.66453	66.68499	3.66872	7.70750	0.1093889	0.29401525	2.2398700	21	4 12.9	20.3
226150 2002 RC_{264}	18.0	X	253.66492	60.90168	211.17418	5.20451	0.1236652	0.28873074	2.2671175	21	1 9.6	21.3
226151 2002 SV_{3}	17.1	X	104.77264	307.05814	170.43782	3.87734	0.0921205	0.29249801	2.2476090	21	4 22.4	19.6
226152 2002 SO_{4}	17.3	X	148.32571	353.95363	31.39528	4.77051	0.1350024	0.28611643	2.2809067	21	2 18.8	20.3
226153 2002 SE_{7}	17.3	X	161.25993	219.35925	188.37971	7.14120	0.0958306	0.29069589	2.2568886	21	3 28.6	20.1
226154 2002 SD_{18}	17.0	X	81.62631	292.24437	179.63928	4.14603	0.0898591	0.28792160	2.2713630	21	3 7.6	19.1
226155 2002 SF_{21}	16.7	X	6.82856	41.84342	44.34983	2.89051	0.1689889	0.27256573	2.3558911	21	—	—
226156 2002 SP_{31}	16.6	X	237.65048	170.86349	130.01295	8.13906	0.1221008	0.28933438	2.2639631	21	1 30.9	19.9
226157 2002 SV_{37}	16.4	X	216.84709	115.89150	199.60051	6.62360	0.1401509	0.28705883	2.2759119	21	1 27.4	19.9
226158 2002 SP_{44}	16.9	X	165.12538	287.27855	24.51332	6.35518	0.2042115	0.28020893	2.3128532	21	—	—
226159 2002 SN_{45}	16.9	X	198.13827	111.06631	205.06718	1.25195	0.1784894	0.28496070	2.2870697	21	1 14.1	20.5
226160 2002 SW_{49}	16.7	X	183.38116	218.62423	144.84278	5.80907	0.1402865	0.28920489	2.2646389	21	2 26.6	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
226161 2002 SM_{50}	17.0	X	198.00155	285.13331	55.71364	6.83204	0.1812373	0.28774582	2.2722880	21	2 16.7	20.6
226162 2002 TQ_{16}	16.7	X	182.46537	40.06955	353.07299	5.69985	0.1047151	0.29259241	2.2471256	21	4 1.4	19.8
226163 2002 TG_{20}	17.5	X	105.15129	218.21060	210.70318	3.94108	0.1594632	0.28445220	2.2897945	21	2 21.6	20.1
226164 2002 TC_{24}	17.2	X	161.38428	202.38966	188.18296	6.08378	0.1336030	0.28796673	2.2711257	21	3 8.8	20.3
226165 2002 TX_{43}	17.5	X	158.37824	223.46371	184.99544	2.28296	0.2063000	0.28828478	2.2694550	21	4 5.5	21.0
226166 2002 TY_{43}	17.0	X	161.25297	198.81726	196.70468	3.90944	0.1499837	0.28743298	2.2739364	21	3 17.0	20.1
226167 2002 TP_{46}	17.0	X	175.39414	174.89565	196.84866	7.41362	0.1616133	0.28678368	2.2773674	21	2 28.4	20.4
226168 2002 TY_{55}	16.9	X	194.85610	107.98052	215.72525	6.71703	0.1393227	0.28537045	2.2848799	21	1 16.8	20.3
226169 2002 TV_{58}	17.5	X	139.35743	260.96777	187.39576	7.43884	0.0545106	0.29388324	2.2405407	21	4 22.7	20.2
226170 2002 TM_{62}	16.6	X	211.64451	4.67227	345.93512	5.92126	0.1867483	0.29150319	2.2527198	21	3 9.3	20.0
226171 2002 TF_{71}	16.4	X	225.84051	30.11146	291.54587	6.92525	0.2392634	0.29074765	2.2566208	21	2 11.6	20.3
226172 2002 TJ_{71}	16.5	X	221.34987	14.61183	275.76860	6.25094	0.1303050	0.28447499	2.2896722	21	1 2.3	19.9
226173 2002 TU_{81}	16.9	X	165.42892	276.83722	120.08503	5.86851	0.1981100	0.28981254	2.2614723	21	3 30.2	20.4
226174 2002 TN_{88}	16.9	X	76.74682	230.87190	253.44598	5.31219	0.0866965	0.28821382	2.2698275	21	3 14.7	19.4
226175 2002 TP_{97}	16.8	X	357.66115	18.00000	260.21133	8.04894	0.0261883	0.30394142	2.1908339	21	6 23.5	19.1
226176 2002 TS_{103}	17.1	X	190.22757	80.61472	227.91354	4.68567	0.2699835	0.28462899	2.2888463	21	1 2.9	21.0
226177 2002 TS_{111}	16.9	X	236.65237	309.38779	22.98898	7.15831	0.1767585	0.29481440	2.2358204	21	3 11.0	20.3
226178 2002 TD_{134}	16.7	X	255.99081	15.03597	274.47845	5.30656	0.1057552	0.28980481	2.2615125	21	2 3.6	20.0
226179 2002 TS_{139}	16.9	X	34.88343	81.11754	307.32178	4.79175	0.2121241	0.26806380	2.3821948	21	—	—
226180 2002 TT_{154}	17.0	X	161.65267	153.01438	277.25020	5.79145	0.1370434	0.29534868	2.2331232	21	4 29.7	20.2
226181 2002 TD_{157}	16.7	X	261.43144	273.94673	102.05073	7.69243	0.1799919	0.30090124	2.2055660	21	5 31.6	19.7
226182 2002 TG_{189}	15.3	X	145.34127	106.62806	306.19213	6.89590	0.0231960	0.18600767	3.0393601	21	3 18.1	19.7
226183 2002 TH_{189}	16.4	X	186.56949	76.89299	297.25703	4.63128	0.2235193	0.29092919	2.2556819	21	3 16.1	20.2
226184 2002 TW_{195}	16.7	X	56.67540	145.29619	210.99776	5.53153	0.1454974	0.26746917	2.3857242	21	—	—
226185 2002 TW_{204}	17.1	X	135.20744	297.67636	112.26055	6.15271	0.1097230	0.28664835	2.2780841	21	3 4.5	20.0
226186 2002 TY_{222}	16.7	X	191.15884	320.78708	41.94859	6.49340	0.1865719	0.28770459	2.2725051	21	3 10.1	20.3
226187 2002 TZ_{228}	16.6	X	217.53768	164.35518	153.83249	6.86838	0.1369669	0.28723978	2.2749560	21	2 1.5	20.1
226188 2002 TH_{230}	16.6	X	223.94248	202.90872	111.12199	7.77191	0.1770042	0.29028493	2.2590182	21	2 3.7	20.2
226189 2002 TK_{252}	17.0	X	200.75366	256.28602	60.68544	5.33025	0.1413655	0.28563199	2.2834850	21	1 16.8	20.4
226190 2002 TL_{252}	17.3	X	201.53040	190.83358	153.11051	4.86183	0.1909594	0.28926000	2.2643512	21	2 20.6	20.9
226191 2002 TC_{257}	17.5	X	206.73460	180.42185	192.14224	2.67853	0.1713006	0.29170018	2.2517055	21	4 1.9	21.0
226192 2002 TZ_{280}	16.8	X	181.74056	348.71818	2.16808	8.22804	0.1486684	0.28549395	2.2842210	21	2 12.1	20.2
226193 2002 TY_{285}	16.6	X	209.23669	24.19761	330.33057	3.35754	0.2333113	0.29003042	2.2603395	21	3 11.9	20.4
226194 2002 TW_{337}	17.5	X	128.50274	3.38177	83.63675	3.53504	0.1226964	0.29048524	2.2579796	21	4 16.7	20.3
226195 2002 TW_{364}	17.2	X	122.79248	307.00819	89.43873	4.14449	0.1596037	0.28303572	2.2974279	21	2 4.8	20.0
226196 2002 TQ_{375}	18.0	X	157.55554	326.09449	80.32608	1.80517	0.0663779	0.29053334	2.2577303	21	3 20.2	20.7
226197 2002 TS_{375}	17.3	X	215.76880	136.12936	203.67785	6.28294	0.1438378	0.28930306	2.2641265	21	2 25.6	20.7
226198 2002 UN_{3}	18.8	X	324.52869	112.79024	27.96391	8.69610	0.2579109	0.42807095	1.7436482	21	—	—
226199 2002 UL_{10}	16.7	X	300.11176	250.52797	80.53698	8.83523	0.0745529	0.29891354	2.2153328	21	6 4.9	19.2
226200 2002 UJ_{21}	17.1	X	127.44911	54.66174	42.04299	7.26496	0.0596394	0.29004302	2.2602741	21	4 19.2	19.7
226201 2002 UH_{38}	16.8	X	117.69197	281.89141	174.15318	21.94752	0.3117871	0.28687462	2.2768861	21	5 12.9	20.6
226202 2002 VS_{2}	17.8	X	94.95964	238.86056	176.80664	2.04348	0.2065748	0.27951022	2.3167060	21	1 27.2	19.8
226203 2002 VQ_{10}	16.8	X	49.24595	197.79354	258.43931	5.64972	0.1675574	0.27675668	2.3320471	21	—	—
226204 2002 VX_{10}	16.7	X	165.13416	63.78454	258.41698	4.35533	0.2434176	0.27968444	2.3157438	21	—	—
226205 2002 VT_{12}	17.1	X	134.71170	163.49694	249.08156	5.59997	0.1692591	0.28461447	2.2889242	21	3 10.4	20.2
226206 2002 VP_{16}	16.4	X	316.93713	223.85309	26.18206	7.52761	0.0679796	0.28887363	2.2663699	21	3 7.8	19.0
226207 2002 VP_{20}	17.0	X	70.36237	177.32862	211.37963	6.14343	0.1229884	0.27244018	2.3566149	21	—	—
226208 2002 VL_{36}	16.1	X	9.76272	31.75356	79.18206	23.95277	0.2245132	0.26864437	2.3787614	21	—	—
226209 2002 VO_{36}	16.8	X	172.87851	148.78069	217.78895	5.57122	0.1334086	0.28511580	2.2862402	21	2 16.9	20.1
226210 2002 VQ_{45}	17.4	X	131.34988	77.65776	0.02212	2.25505	0.1133855	0.28725118	2.2748957	21	4 4.3	20.3
226211 2002 VV_{48}	17.6	X	100.69106	300.56479	129.25115	2.13176	0.1825590	0.28121574	2.3073296	21	2 22.7	20.0
226212 2002 VP_{49}	17.2	X	179.46874	219.22017	145.80396	4.00606	0.2484112	0.28587271	2.2822029	21	3 3.5	21.0
226213 2002 VR_{51}	17.3	X	157.74656	357.56801	85.99035	5.55232	0.2688097	0.29079195	2.2563915	21	5 24.5	21.1
226214 2002 VV_{58}	16.9	X	77.14603	221.83635	212.51046	5.51552	0.2133797	0.27690949	2.3311890	21	1 20.9	18.8
226215 2002 VX_{61}	16.9	X	162.47946	328.91284	25.76668	5.95096	0.1896073	0.28244831	2.3006121	21	2 1.2	20.3
226216 2002 VF_{63}	16.5	X	193.97071	349.39616	341.90699	4.76283	0.2329572	0.28463490	2.2888146	21	2 1.9	20.3
226217 2002 VX_{63}	16.7	X	129.68902	117.68177	271.40043	5.97518	0.1312536	0.28074586	2.3099033	21	1 28.4	19.5
226218 2002 VN_{66}	17.2	X	159.82338	334.71245	73.24201	3.51415	0.1612696	0.28796095	2.2711561	21	4 4.2	20.5
226219 2002 VT_{85}	17.9	X	161.39584	87.17913	256.00405	5.98646	0.4434782	0.28343094	2.2952916	21	2 2.1	22.2
226220 2002 VY_{93}	16.8	X	202.66976	343.85675	344.22125	2.73931	0.1930952	0.28422833	2.2909967	21	2 3.3	20.5
226221 2002 VJ_{94}	15.8	X	138.00944	342.16577	67.20041	9.69856	0.2302591	0.28192364	2.3034656	21	3 25.9	19.3
226222 2002 VW_{104}	16.5	X	239.77361	300.88503	24.19612	6.17592	0.1855262	0.28911558	2.2651052	21	3 4.8	20.1
226223 2002 VP_{106}	16.9	X	72.65734	179.66838	266.18885	5.70659	0.0917765	0.28017933	2.3130161	21	1 15.2	19.3
226224 2002 VV_{119}	16.0	X	152.36048	333.48961	65.39199	23.64830	0.1621129	0.28270849	2.2992003	21	3 29.7	19.9
226225 2002 VQ_{126}	16.7	X	148.05770	86.09082	292.92955	5.20122	0.1822761	0.28227714	2.3015420	21	2 12.9	20.0
226226 2002 VP_{131}	17.2	X	160.94168	106.18960	245.69925	0.92499	0.2399036	0.28277124	2.2988602	21	1 29.5	20.6
226227 2002 VV_{134}	16.8	X	286.15626	247.96675	85.89557	8.31578	0.1998380	0.29876879	2.2160483	21	5 1.5	19.7
226228 2002 VX_{135}	17.1	X	187.13528	177.79939	168.52675	3.06531	0.2320088	0.28533762	2.2850552	21	2 13.0	20.9
226229 2002 VL_{139}	16.7	X	11.71656	70.74953	65.83114	8.30439	0.0800727	0.27639631	2.3340736	21	—	—
226230 2002 VZ_{143}	17.7	X	160.62342	191.07099	184.41790	2.99896	0.0769845	0.28385299	2.2930159	21	2 10.6	20.7
226231 2002 WD_{6}	16.5	X	216.33653	327.62921	9.75054	7.71733	0.1444598	0.28765488	2.2727668	21	2 27.8	19.9
226232 2002 WV_{6}	16.9	X	163.94935	43.58512	292.96056	1.51850	0.2342299	0.28033220	2.3121751	21	1 13.4	20.4
226233 2002 WG_{20}	15.0	X	69.16160	223.78427	277.18298	1.62480	0.1690472	0.12524620	3.9563346	21	4 30.4	20.2
226234 2002 WV_{29}	17.7	X	182.58996	169.11928	197.50547	4.65757	0.1835459	0.28697073	2.2763777	21	3 2.8	21.3
226235 2002 WH_{30}	17.4	X	156.35066	280.47813	68.74737	7.17806	0.2318814	0.28037883	2.3119187	21	1 23.2	20.9
226236 2002 XZ_{13}	16.6	X	112.17050	325.54127	90.98899	7.64807	0.0993168	0.27968769	2.3157259	21	2 9.7	19.3
226237 2002 XQ_{14}	16.6	X	125.30531	49.05756	312.51133	9.43071	0.3189816	0.27681700	2.3317082	21	1 17.4	19.5
226238 2002 XC_{23}	16.3	X	188.83794	340.31401	1.10473	6.22873	0.1746794	0.28365513	2.2940821	21	2 8.1	19.8
226239 2002 XZ_{25}	17.0	X	33.02817	206.41882	266.90998	1.78512	0.1312798	0.27453462	2.3446137	21	—	—
226240 2002 XX_{31}	16.6	X	101.47620	136.89975	288.24262	5.86188	0.0928169	0.27929903	2.3178737	21	2 1.4	19.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
226241 2002 XU_{42}	16.7	X	349.93727	297.59394	258.48408	6.20233	0.0591391	0.28166672	2.3048661	21	2 5.3	19.3
226242 2002 XQ_{43}	17.0	X	154.22956	57.41799	275.50546	5.37204	0.2403968	0.27724676	2.3292980	21	—	—
226243 2002 XC_{45}	16.6	X	93.95248	282.07692	114.16566	7.20919	0.1085545	0.27435241	2.3456517	21	—	—
226244 2002 XU_{48}	16.5	X	23.48918	246.05634	246.81697	4.75105	0.1525514	0.27568135	2.3381074	21	—	—
226245 2002 XV_{52}	16.8	X	45.03370	151.87996	293.63611	1.44746	0.1748697	0.27184122	2.3600752	21	—	—
226246 2002 XP_{60}	16.5	X	352.28121	263.83773	261.00377	6.71479	0.0518919	0.27646341	2.3336960	21	—	—
226247 2002 XV_{72}	16.4	X	148.96480	323.97368	54.76026	6.65845	0.1078743	0.28074948	2.3098835	21	2 8.9	19.5
226248 2002 XZ_{73}	16.9	X	123.62701	325.81583	52.96535	3.87146	0.1622949	0.27713285	2.3299363	21	1 14.2	19.7
226249 2002 XQ_{75}	16.2	X	204.21258	301.63838	62.56135	6.54242	0.1892516	0.28660061	2.2783370	21	3 23.9	19.9
226250 2002 XS_{115}	17.4	X	35.31781	196.80749	256.78805	1.72680	0.1385085	0.27194804	2.3594572	21	—	—
226251 2002 YS_{1}	16.4	X	43.61374	38.84897	79.38196	6.34021	0.1872601	0.27344710	2.3508261	21	1 13.8	18.1
226252 2002 YC_{3}	16.3	X	176.53790	178.26065	21.10792	15.09418	0.0580318	0.25272998	2.4776020	21	11 3.7	19.8
226253 2002 YV_{6}	16.6	X	21.40384	331.29916	112.44541	8.72112	0.1105594	0.26670960	2.3902516	21	—	—
226254 2002 YO_{8}	16.9	X	45.64952	340.84921	104.88890	4.79724	0.1939038	0.27217401	2.3581510	21	—	—
226255 2002 YE_{24}	16.5	X	229.78536	293.64018	91.75447	5.95722	0.1505490	0.29164761	2.2519760	21	5 13.4	19.8
226256 2002 YF_{25}	17.2	X	33.97752	290.60202	118.14752	3.09887	0.2047511	0.26588737	2.3951768	21	—	—
226257 2002 YZ_{31}	16.5	X	100.55233	87.90027	326.16777	2.87699	0.2354794	0.27505005	2.3416837	21	2 10.2	18.9
226258 2003 AH	16.4	X	124.63266	215.77810	216.43942	7.42157	0.2217077	0.28325571	2.2962382	21	4 2.7	19.6
226259 2003 AQ	15.9	X	243.60252	60.10040	114.30867	7.23016	0.1226028	0.25823222	2.4422817	21	12 19.6	19.0
226260 2003 AQ_{24}	16.5	X	144.98196	311.66502	88.13866	6.10001	0.1394919	0.28168577	2.3047621	21	3 8.3	19.7
226261 2003 AN_{25}	16.2	X	306.16935	76.44370	96.09485	5.60797	0.1846077	0.26650098	2.3914988	21	—	—
226262 2003 AD_{30}	17.3	X	351.67571	25.64200	115.62022	2.84420	0.1484012	0.26865730	2.3786851	21	—	—
226263 2003 AM_{32}	16.5	X	177.15754	100.53206	301.84083	4.38964	0.1563333	0.28607716	2.2811154	21	4 10.1	20.0
226264 2003 AS_{36}	16.8	X	141.03824	169.81017	242.01845	3.02354	0.2300962	0.28273424	2.2990607	21	3 25.3	20.3
226265 2003 AE_{49}	16.5	X	28.40524	168.80903	343.94445	3.54084	0.1412199	0.27577357	2.3375861	21	2 4.8	18.6
226266 2003 AM_{53}	17.6	X	18.81400	67.56138	71.72975	3.12812	0.1766005	0.27191201	2.3596656	21	—	—
226267 2003 AK_{54}	17.3	X	39.19660	118.08516	353.69921	2.45485	0.1681088	0.27210293	2.3585617	21	—	—
226268 2003 AN_{55}	16.4	X	101.73759	288.89307	98.81997	5.83241	0.2128701	0.27166709	2.3610836	21	1 2.4	18.7
226269 2003 AC_{57}	16.5	X	66.15902	17.44257	82.57308	6.06373	0.1960992	0.27468655	2.3437491	21	2 8.9	18.3
226270 2003 AW_{63}	16.9	X	16.20518	24.28211	113.31432	5.34456	0.0843788	0.27297143	2.3535563	21	—	—
226271 2003 AU_{66}	16.7	X	50.58114	297.95021	162.04433	6.84572	0.0571474	0.27247444	2.3564173	21	—	—
226272 2003 AC_{70}	17.4	X	312.64873	345.73085	139.10871	2.34167	0.1365990	0.26096644	2.4251929	21	—	—
226273 2003 AO_{70}	16.2	X	36.20912	132.74193	339.62066	6.80102	0.1111848	0.27254380	2.3560175	21	—	—
226274 2003 AP_{78}	17.6	X	28.27929	210.61141	211.49226	2.05542	0.1861882	0.26461080	2.4028740	21	—	—
226275 2003 AG_{80}	15.6	X	320.47843	120.01971	81.85656	23.16486	0.2622568	0.27050078	2.3678655	21	—	—
226276 2003 AC_{81}	16.4	X	69.18479	10.39926	77.44073	25.36908	0.1783282	0.27465610	2.3439223	21	1 25.6	18.9
226277 2003 AR_{92}	16.8	X	293.24713	93.41619	84.01898	3.75124	0.1247050	0.26382664	2.4076330	21	—	—
226278 2003 AY_{92}	17.1	X	274.01849	94.64645	99.58955	2.57956	0.1387549	0.26443353	2.4039478	21	—	—
226279 2003 BN	16.9	X	49.63273	335.48202	105.70491	2.38282	0.1592567	0.27119471	2.3638245	21	—	—
226280 2003 BU_{2}	16.1	X	145.75020	268.02151	136.08400	8.11705	0.1953012	0.27869573	2.3212175	21	3 20.9	19.5
226281 2003 BG_{6}	16.8	X	54.34178	290.96981	129.65135	5.40259	0.1904802	0.26764657	2.3846699	21	—	—
226282 2003 BS_{13}	16.1	X	80.16086	259.99206	282.51441	3.42031	0.1536813	0.23256195	2.6188479	21	7 1.4	19.5
226283 2003 BH_{15}	16.6	X	67.83474	101.16828	346.47183	2.12376	0.1802380	0.27218406	2.3580930	21	1 21.2	18.4
226284 2003 BC_{17}	16.8	X	321.75153	353.98861	120.48013	9.20675	0.1218381	0.25840082	2.4412193	21	—	—
226285 2003 BR_{20}	16.4	X	130.06598	338.01916	112.12718	7.29793	0.1837457	0.28105865	2.3081892	21	5 2.9	19.7
226286 2003 BC_{29}	17.0	X	30.79213	312.94356	127.82455	3.18985	0.1614432	0.26685358	2.3893918	21	—	—
226287 2003 BB_{30}	16.6	X	309.57086	227.88026	301.47289	3.71428	0.1298418	0.26476083	2.4019662	21	—	—
226288 2003 BB_{35}	14.7	X	130.00233	324.31559	136.78049	5.86118	0.2001898	0.12431125	3.9761469	21	5 24.6	21.0
226289 2003 BD_{38}	16.8	X	283.47062	73.40296	80.80087	2.33598	0.1400097	0.25929402	2.4356098	21	—	—
226290 2003 BL_{38}	16.1	X	280.47414	22.67478	119.83933	7.57217	0.0864683	0.25752060	2.4467790	21	—	—
226291 2003 BX_{41}	17.1	X	322.10558	99.08203	308.10280	6.96821	0.1351119	0.25191362	2.4829518	21	10 25.4	19.6
226292 2003 BF_{50}	16.7	X	176.60580	122.82505	299.87750	6.21942	0.0795130	0.28535553	2.2849596	21	5 3.0	20.0
226293 2003 BT_{50}	16.6	X	332.78361	219.28721	292.45878	5.99084	0.0582811	0.26614704	2.3936186	21	—	—
226294 2003 BV_{52}	17.4	X	3.85536	106.27277	44.86159	3.47417	0.1814482	0.27012204	2.3700783	21	—	—
226295 2003 BH_{61}	14.7	X	135.04049	143.84749	319.41841	6.93137	0.2283794	0.12460777	3.9698365	21	5 31.1	21.1
226296 2003 BO_{65}	16.6	X	0.86659	153.95560	276.85125	3.03238	0.1213122	0.25958332	2.4337998	21	—	—
226297 2003 BP_{68}	16.9	X	80.94980	247.13619	137.53747	3.55142	0.2426624	0.26668153	2.3904193	21	—	—
226298 2003 BY_{68}	17.1	X	335.60840	147.86706	23.82580	4.28093	0.1690861	0.26885562	2.3775152	21	—	—
226299 2003 BJ_{69}	17.2	X	2.62763	319.68902	129.23924	3.07307	0.1642528	0.26316532	2.4116648	21	—	—
226300 2003 BK_{69}	17.4	X	247.00395	72.71162	136.72474	2.73793	0.1307580	0.26036240	2.4289423	21	—	—
226301 2003 BP_{74}	16.6	X	308.26626	70.25107	29.85776	8.27671	0.1090781	0.25602520	2.4562971	21	12 21.3	19.3
226302 2003 BR_{75}	16.3	X	134.19898	334.08236	52.81486	9.48326	0.1806687	0.27432243	2.3458226	21	2 14.5	19.6
226303 2003 BL_{77}	17.2	X	40.32613	31.70085	42.64532	3.71853	0.1600880	0.26727529	2.3868778	21	—	—
226304 2003 BE_{82}	16.7	X	19.92941	295.25768	149.35638	2.59842	0.1824618	0.26418443	2.4054587	21	—	—
226305 2003 BR_{89}	16.5	X	79.11965	136.96553	293.61126	1.77271	0.2182593	0.27122947	2.3636226	21	1 23.9	18.4
226306 2003 BP_{90}	16.2	X	353.38956	305.60491	133.62901	13.62662	0.1904468	0.25968781	2.4331469	21	—	—
226307 2003 BA_{92}	16.2	X	111.89052	311.64121	299.58407	3.43129	0.0922983	0.24507071	2.5289590	21	10 30.4	20.0
226308 2003 CN_{2}	17.2	X	54.94411	265.92886	170.94597	4.73515	0.1601877	0.27010000	2.3702073	21	—	—
226309 2003 CN_{4}	17.0	X	352.41002	56.30183	55.56559	1.96657	0.1333486	0.26517182	2.3994837	21	—	—
226310 2003 CA_{6}	16.6	X	297.98370	100.02143	63.73992	3.16441	0.1509469	0.26151203	2.4218185	21	—	—
226311 2003 CX_{7}	17.0	X	11.96628	357.45870	103.59990	3.19937	0.1740627	0.26435494	2.4044242	21	—	—
226312 2003 CN_{12}	17.5	X	19.01827	98.39478	359.86557	2.31745	0.2035847	0.26680596	2.3896761	21	—	—
226313 2003 CH_{19}	17.1	X	352.93935	203.63200	308.33692	0.68672	0.1240613	0.26800250	2.3825580	21	—	—
226314 2003 DU_{3}	17.2	X	290.08679	143.75997	347.15805	3.05749	0.1344996	0.25521568	2.4614885	21	12 31.4	19.7
226315 2003 DD_{6}	15.9	X	69.25504	191.91016	6.51575	11.31837	0.0930852	0.22933393	2.6433652	21	6 29.0	19.5
226316 2003 DU_{11}	17.4	X	26.09046	113.16512	337.18788	0.75611	0.1519379	0.26464627	2.4026593	21	—	—
226317 2003 DJ_{13}	16.9	X	138.96573	84.04074	345.74373	3.56497	0.1577264	0.27897096	2.3196905	21	4 8.4	20.0
226318 2003 DG_{18}	16.5	X	238.72025	114.21708	96.75413	4.01059	0.1442136	0.25769535	2.4456727	21	—	—
226319 2003 DQ_{20}	17.0	X	309.24564	141.88308	339.17500	2.02979	0.1494339	0.25701335	2.4499972	21	—	—
226320 2003 EK_{3}	16.6	X	50.33504	1.97751	95.90143	4.18871	0.0940723	0.27008135	2.3703164	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
226321 2003 EP_3	16.4	X	14.72363	335.93554	130.17880	5.60893	0.1567365	0.26523411	2.3991080	21	—	—
226322 2003 EL_{18}	17.3	X	240.98471	89.49678	106.83770	3.19075	0.1613947	0.25520012	2.4615886	21	—	—
226323 2003 EM_{18}	16.4	X	202.22897	242.80533	348.45044	3.60876	0.0799074	0.25507417	2.4623988	21	—	—
226324 2003 EB_{26}	16.9	X	296.99838	57.28588	116.92200	3.35327	0.1516234	0.26011014	2.4305125	21	—	—
226325 2003 ER_{26}	16.4	X	250.04271	164.04791	1.35154	6.56260	0.0861076	0.25261271	2.4783687	21	12 20.4	19.6
226326 2003 ED_{29}	16.2	X	97.64809	131.92637	115.61412	5.84917	0.1144882	0.23865351	2.5740926	21	10 15.7	19.9
226327 2003 EE_{34}	16.9	X	53.46033	216.55703	269.53751	4.84530	0.2203581	0.27291091	2.3539042	21	2 19.0	18.5
226328 2003 ET_{36}	16.1	X	270.35208	9.57420	59.07483	15.92085	0.0915989	0.24370935	2.5383680	21	9 17.1	19.7
226329 2003 EX_{41}	16.6	X	197.29983	212.81008	26.32596	6.69710	0.0775653	0.25589737	2.4571151	21	—	—
226330 2003 EA_{49}	16.0	X	8.48208	198.41536	78.73058	3.31111	0.1707145	0.22834145	2.6510192	21	7 15.5	18.3
226331 2003 FL	16.7	X	183.85295	82.89727	97.67689	6.32146	0.0550143	0.24227971	2.5483438	21	10 24.1	20.3
226332 2003 FE_{22}	16.6	X	312.98865	112.40370	242.17219	0.73915	0.1632272	0.23388445	2.6089664	21	7 18.2	19.3
226333 2003 FB_{40}	16.3	X	352.50163	226.07191	16.84557	4.38583	0.1818176	0.22048948	2.7135894	21	4 16.7	18.8
226334 2003 FV_{41}	16.4	X	73.72689	34.29004	150.79737	4.79463	0.0783206	0.28030305	2.3123354	21	6 12.5	19.1
226335 2003 FS_{46}	17.1	X	214.40741	338.50037	175.43373	3.71287	0.1650237	0.24433401	2.5340398	21	10 12.1	21.0
226336 2003 FX_{47}	16.7	X	215.44504	113.56705	3.21953	7.87306	0.1601543	0.23923168	2.5699436	21	8 28.4	20.6
226337 2003 FA_{66}	15.7	X	324.98390	56.41727	206.45419	11.77858	0.0797393	0.21962859	2.7206758	21	4 11.0	19.1
226338 2003 FQ_{71}	16.1	X	350.67338	262.22018	44.26466	5.09927	0.2036800	0.22849773	2.6498103	21	7 21.9	18.4
226339 2003 FO_{72}	16.4	X	17.98353	41.66677	104.89422	6.28516	0.1104255	0.26663371	2.3907051	21	1 11.5	18.8
226340 2003 FH_{77}	16.9	X	93.34675	340.61561	243.50676	3.94498	0.1121477	0.23343493	2.6123146	21	9 4.5	20.6
226341 2003 FE_{80}	16.3	X	172.25621	27.33536	166.83706	6.27524	0.1524110	0.24146994	2.5540379	21	10 23.1	20.3
226342 2003 FV_{81}	16.9	X	57.85506	39.18982	77.59674	3.23835	0.1457146	0.26980936	2.3719091	21	2 12.7	19.0
226343 2003 FL_{120}	16.5	X	98.79752	252.69567	338.01172	2.20907	0.1117977	0.23651190	2.5896081	21	9 21.4	20.3
226344 2003 FX_{121}	16.2	X	166.36044	187.00693	15.67385	7.84868	0.1613712	0.24084473	2.5584560	21	10 24.9	20.2
226345 2003 FM_{122}	17.2	X	137.11783	227.46582	28.71947	2.12871	0.0281865	0.24412324	2.5354982	21	12 2.4	20.5
226346 2003 FG_{126}	16.5	X	79.15513	288.76728	346.89187	2.81048	0.0464163	0.24232222	2.5480457	21	10 18.1	19.9
226347 2003 FE_{132}	16.5	X	111.92178	191.84385	63.11300	5.10758	0.0530141	0.23955374	2.5676397	21	11 2.7	19.9
226348 2003 FW_{132}	13.4	X	331.47452	20.85851	26.26281	6.11051	0.0952947	0.08363832	5.1784427	21	10 16.7	19.8
226349 2003 FL_{133}	13.0	X	235.30537	323.51220	192.54409	11.21793	0.0402518	0.08379929	5.1718091	21	10 31.9	20.0
226350 2003 GA_8	16.0	X	321.20014	105.81911	184.40918	6.99571	0.1772914	0.22176110	2.7032059	21	4 29.8	19.1
226351 2003 GH_{11}	16.6	X	144.13278	31.75158	203.28770	7.18908	0.1667004	0.24207071	2.5498104	21	11 15.7	20.7
226352 2003 GZ_{13}	13.3	X	288.36626	262.84171	190.88851	8.84767	0.0451741	0.08167214	5.2612236	21	10 20.3	20.2
226353 2003 GG_{17}	15.9	X	63.32016	197.04786	298.26111	24.88138	0.1844437	0.27495954	2.3421975	21	3 7.7	18.7
226354 2003 GC_{23}	15.9	X	348.92492	205.33096	24.37351	12.22285	0.1641118	0.21685330	2.7438394	21	3 27.9	18.8
226355 2003 GR_{24}	12.9	X	354.97766	255.97742	152.99439	9.24665	0.0847873	0.08469628	5.1352289	21	11 21.4	19.4
226356 2003 GN_{52}	16.8	X	349.93025	87.79612	127.48036	1.91667	0.1355931	0.27023272	2.3694311	21	2 27.5	19.0
226357 2003 GX_{54}	16.8	X	65.65964	208.86699	100.12297	2.12936	0.0494959	0.24271328	2.5453081	21	11 15.5	20.1
226358 2003 GL_{56}	13.1	X	33.60252	259.00729	108.23220	4.77118	0.0052982	0.08130282	5.2771445	21	11 15.7	20.0
226359 2003 HL_2	16.8	X	85.43154	35.69039	81.29983	23.68960	0.0541197	0.37859295	1.8924353	21	3 15.6	19.2
226360 2003 HO_7	16.9	X	357.17761	120.18679	49.27465	4.11225	0.1765952	0.26538761	2.3981828	21	—	—
226361 2003 HP_{13}	12.7	X	291.93901	53.50766	22.69291	13.18713	0.0756276	0.08329384	5.1927107	21	10 2.8	19.5
226362 2003 HY_{27}	16.1	X	117.38344	318.28810	228.04402	10.61872	0.1295286	0.23064850	2.6333119	21	8 12.9	20.3
226363 2003 HA_{29}	15.7	X	319.21896	38.60156	209.74531	8.38787	0.2525130	0.21342519	2.7731430	21	2 14.9	19.7
226364 2003 HQ_{36}	16.3	X	304.05132	216.98292	97.68776	3.99017	0.0606816	0.22141934	2.7059869	21	5 24.9	19.9
226365 2003 HD_{39}	16.2	X	158.38987	338.83349	224.06630	11.64971	0.2168008	0.23900891	2.5715402	21	10 17.4	20.6
226366 2003 HG_{49}	16.0	X	174.24882	74.91068	127.32803	5.27939	0.1294763	0.23996369	2.5647145	21	11 5.0	20.0
226367 2003 HW_{58}	12.8	X	321.12141	204.48322	227.66280	12.75254	0.0666983	0.08169306	5.2603254	21	11 1.1	19.5
226368 2003 JD_3	17.1	X	171.89581	105.43470	35.80068	4.45487	0.0610496	0.23180750	2.6245271	21	8 17.5	20.8
226369 2003 JJ_5	15.4	X	266.76788	260.64485	57.14293	14.41415	0.1120020	0.21457027	2.7632681	21	4 9.6	19.6
226370 2003 JZ_5	16.0	X	277.17965	230.42805	212.97065	14.55149	0.0878792	0.23845887	2.5754931	21	10 5.1	19.2
226371 2003 JR_7	15.9	X	266.41288	202.06451	90.50818	8.01662	0.2391056	0.20990819	2.8040331	21	2 22.5	20.6
226372 2003 JV_7	16.2	X	136.18853	145.45421	71.84900	10.63372	0.0770516	0.23705361	2.5856615	21	10 18.3	20.1
226373 2003 JH_{10}	16.4	X	93.68400	79.11984	149.10304	6.19583	0.2182577	0.23071948	2.6327717	21	9 25.9	20.4
226374 2003 JQ_{11}	16.5	X	133.16460	177.00376	42.81112	5.23960	0.2105679	0.23717652	2.5847682	21	10 19.5	20.8
226375 2003 KY_{11}	17.3	X	105.98363	289.21559	221.90669	20.41263	0.1080455	0.38536315	1.8702052	21	6 9.5	19.3
226376 2003 KM_{15}	16.9	X	161.52987	133.78134	50.43107	1.90767	0.0787502	0.23758217	2.5818251	21	9 29.9	20.7
226377 2003 KC_{30}	16.3	X	214.75200	66.33670	120.22815	5.65836	0.1597321	0.24436471	2.5338276	21	11 23.7	20.0
226378 2003 KO_{30}	15.7	X	323.54651	241.91354	85.03284	11.61145	0.0710176	0.22590522	2.6700447	21	7 8.6	18.9
226379 2003 KP_{32}	16.1	X	268.67020	267.84656	93.98479	7.34609	0.0499565	0.22383911	2.6864498	21	6 10.6	19.7
226380 2003 KE_{33}	16.8	X	225.88544	78.19332	76.22599	7.83151	0.0633404	0.24190067	2.5510051	21	11 7.9	20.2
226381 2003 NT_1	14.9	X	121.25042	258.14276	114.24742	14.02337	0.1886673	0.19048105	2.9915863	21	1 24.3	19.3
226382 2003 NZ_3	15.4	X	124.40607	77.19715	302.24251	9.34998	0.0466291	0.19285732	2.9669618	21	1 17.0	19.4
226383 2003 NT_8	14.0	X	36.89813	120.67901	272.25189	26.03232	0.2714772	0.17301274	3.1897061	21	—	—
226384 2003 OK_3	16.9	X	113.61646	240.01374	293.09226	17.76863	0.0562795	0.38081740	1.8850586	21	7 20.2	18.5
226385 2003 ON_6	16.7	X	292.47057	317.23338	307.23006	18.22764	0.0288540	0.36812885	1.9281293	21	2 6.6	18.5
226386 2003 OX_6	15.2	X	66.46237	176.57246	176.53038	10.44054	0.2873495	0.17826635	3.1267259	21	—	—
226387 2003 OD_{20}	15.3	X	112.40579	175.77077	164.14632	6.00139	0.2308884	0.18480777	3.0525016	21	—	—
226388 2003 OS_{20}	15.3	X	134.94865	223.84532	86.93767	9.81424	0.1904493	0.18582514	3.0413500	21	—	—
226389 2003 OJ_{32}	16.5	X	228.39797	356.21650	258.90157	18.12382	0.0448370	0.35354118	1.9808095	21	—	—
226390 2003 PU_6	15.2	X	104.13467	48.30399	325.25903	15.82829	0.2315856	0.18411980	3.0601007	21	1 15.9	19.6
226391 2003 PN_7	15.4	X	115.63135	17.70468	290.64297	8.64325	0.1971736	0.18257549	3.0773323	21	—	—
226392 2003 QL_4	16.1	X	102.44467	158.98078	153.02423	6.02819	0.2668199	0.17942017	3.1133064	21	—	—
226393 2003 QV_4	15.0	X	127.55464	121.41458	218.25040	9.92658	0.0920204	0.18556041	3.0442419	21	—	—
226394 2003 QM_6	15.1	X	77.83036	182.84135	155.44830	10.20245	0.1988760	0.17613613	3.1518853	21	—	—
226395 2003 QZ_{13}	15.9	X	107.45626	198.14893	196.43825	8.85058	0.1027842	0.18982878	2.9984353	21	1 20.8	20.2
226396 2003 QK_{14}	15.6	X	80.47144	99.49391	282.63293	8.07791	0.2253629	0.18232390	3.0801626	21	—	—
226397 2003 QT_{14}	15.0	X	28.86396	116.90681	282.80470	8.19594	0.1179197	0.17771749	3.1331602	21	—	—
226398 2003 QH_{20}	15.0	X	162.21064	301.73843	356.12780	13.02733	0.1893954	0.18485689	3.0519608	21	—	—
226399 2003 QH_{21}	15.0	X	16.70836	240.29229	125.94364	5.33045	0.1299308	0.16957675	3.2326487	21	11 21.1	19.2
226400 2003 QX_{35}	14.9	X	122.21656	309.38085	333.58467	26.04700	0.1579869	0.17858454	3.1230108	21	12 13.9	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
226401 2003 QV_{46}	15.4	X	127.81321	23.69486	299.52909	12.18482	0.1995658	0.18469207	3.0537762	21	—	—
226402 2003 QD_{51}	14.9	X	65.79976	4.61318	7.86317	15.30039	0.0845781	0.17802727	3.1295246	21	—	—
226403 2003 QT_{58}	15.2	X	40.60892	18.57180	126.94683	10.24980	0.0318306	0.19710870	2.9241447	21	3 6.2	19.2
226404 2003 QV_{60}	15.0	X	66.64624	335.86925	5.17293	15.67078	0.2252758	0.17414927	3.1758131	21	—	—
226405 2003 QK_{67}	14.9	X	92.94378	241.19269	144.38690	10.73026	0.0787292	0.18313695	3.0710395	21	—	—
226406 2003 QA_{70}	14.6	X	46.57723	89.11324	285.86930	23.32613	0.2926377	0.17499340	3.1655919	21	—	—
226407 2003 QU_{77}	15.3	X	46.75324	102.56915	291.08202	5.71875	0.2525352	0.17535126	3.1612835	21	—	—
226408 2003 QM_{81}	15.4	X	85.05521	234.61655	156.38384	10.58377	0.0791776	0.18529602	3.0471370	21	—	—
226409 2003 QM_{85}	15.3	X	23.09057	211.29309	154.67416	5.87328	0.1322047	0.17101021	3.2145586	21	11 30.3	19.5
226410 2003 QU_{92}	15.3	X	34.52046	238.03218	141.32460	16.80650	0.1194815	0.17520848	3.1630008	21	12 30.6	19.8
226411 2003 QE_{94}	15.5	X	171.67141	329.47532	353.25777	6.39143	0.1419866	0.19076779	2.9885877	21	1 12.0	20.3
226412 2003 QY_{94}	15.5	X	149.95795	268.41187	57.60293	9.06088	0.1997669	0.18584859	3.0410942	21	—	—
226413 2003 QF_{101}	15.3	X	94.71029	357.39117	344.33135	9.01262	0.0936784	0.17994367	3.1072653	21	—	—
226414 2003 QE_{106}	15.0	X	87.56071	145.35412	184.70344	10.22082	0.2260760	0.17578966	3.1560255	21	—	—
226415 2003 QE_{114}	15.4	X	340.77993	299.62939	191.32730	11.13511	0.0809817	0.18273048	3.0755919	21	—	—
226416 2003 QG_{115}	14.9	X	84.93877	176.16472	238.35248	13.43510	0.1056167	0.18569276	3.0427953	21	1 15.6	19.2
226417 2003 RG_{3}	15.5	X	42.06929	95.81324	345.05442	3.56192	0.1765458	0.18482327	3.0523309	21	—	—
226418 2003 RT_{4}	15.4	X	77.76437	7.56657	349.37868	10.52056	0.1147398	0.17689289	3.1428896	21	—	—
226419 2003 RJ_{5}	16.4	X	179.55324	11.58727	294.14012	2.66567	0.2409569	0.18968169	2.9999852	21	1 3.8	21.6
226420 2003 RF_{7}	15.1	X	143.45918	100.52146	202.21405	21.47322	0.0656874	0.17875320	3.1210460	21	—	—
226421 2003 RU_{7}	15.2	X	70.40970	279.09323	111.98719	17.66307	0.2181477	0.18132527	3.0914614	21	—	—
226422 2003 RE_{10}	15.7	X	37.71039	17.63235	1.96221	7.71832	0.0254438	0.17168256	3.2061605	21	12 20.9	20.3
226423 2003 RQ_{14}	15.6	X	147.32330	98.41643	250.86449	8.96690	0.1199713	0.18999691	2.9966662	21	1 14.4	20.2
226424 2003 RG_{23}	15.1	X	54.62850	221.35963	170.97555	9.58220	0.0574653	0.18076993	3.0977896	21	—	—
226425 2003 SC_{1}	16.2	X	52.08198	134.52428	266.86493	1.40460	0.0985995	0.18074424	3.0980831	21	—	—
226426 2003 SJ_{10}	15.4	X	174.53330	273.94452	356.93263	8.90180	0.0236905	0.17860389	3.1227852	21	—	—
226427 2003 SF_{19}	15.6	X	48.09555	310.01015	180.43484	9.02837	0.1492891	0.19335715	2.9618466	21	3 2.6	19.0
226428 2003 SC_{22}	15.1	X	347.56676	120.80121	346.34401	10.21326	0.0650492	0.18092618	3.0960059	21	—	—
226429 2003 SS_{22}	15.4	X	287.65170	129.56905	359.31567	5.65578	0.0148658	0.17234356	3.1979574	21	12 15.2	19.9
226430 2003 SU_{24}	15.5	X	105.81846	164.72735	190.88021	16.92677	0.1950823	0.18309848	3.0714697	21	—	—
226431 2003 SB_{25}	15.7	X	138.42421	155.63348	195.46666	10.03460	0.0948037	0.18726519	3.0257382	21	1 5.1	20.3
226432 2003 SQ_{25}	15.2	X	309.36564	298.99059	201.02619	9.13154	0.0600241	0.17824226	3.1270076	21	—	—
226433 2003 SH_{28}	15.7	X	183.54139	85.97666	238.14395	8.54753	0.1170252	0.18982221	2.9985044	21	1 19.9	20.5
226434 2003 SP_{29}	15.5	X	247.01530	292.85963	278.92840	8.28823	0.0788303	0.18093122	3.0959483	21	—	—
226435 2003 SY_{30}	15.4	X	58.74857	33.06026	2.83194	5.37600	0.1363377	0.17917545	3.1161406	21	—	—
226436 2003 SH_{34}	15.8	X	98.01319	225.75801	60.84353	1.26625	0.1617680	0.17255082	3.1953960	21	11 25.7	20.7
226437 2003 SF_{39}	15.5	X	62.82647	41.52895	358.23749	6.36102	0.1460687	0.17997128	3.1069475	21	—	—
226438 2003 SS_{40}	14.7	X	85.31380	326.16495	344.15438	16.27590	0.0816668	0.17065663	3.2189972	21	11 28.2	19.7
226439 2003 SP_{47}	15.5	X	131.12941	115.80601	256.67415	10.87489	0.1662435	0.19051895	2.9911896	21	1 28.4	20.1
226440 2003 SZ_{47}	15.2	X	16.54313	183.22552	256.80925	9.11665	0.0411364	0.18012526	3.1051766	21	—	—
226441 2003 SD_{48}	15.1	X	184.71424	345.08502	282.79569	9.16393	0.0433368	0.18060723	3.0996498	21	—	—
226442 2003 SE_{49}	15.8	X	108.63195	117.74997	226.80888	3.52956	0.1520269	0.17995081	3.1071831	21	—	—
226443 2003 SA_{53}	15.3	X	65.52037	356.28487	0.32206	18.54239	0.0538836	0.17374857	3.1806940	21	—	—
226444 2003 SN_{65}	15.2	X	26.92140	225.09175	199.13199	16.33745	0.2082679	0.17931063	3.1145743	21	—	—
226445 2003 SP_{66}	15.7	X	50.39403	188.91696	206.47824	10.31346	0.0544486	0.18022147	3.1040713	21	—	—
226446 2003 SB_{71}	14.9	X	329.15756	194.82688	275.42883	9.00109	0.1091183	0.17753109	3.1353529	21	—	—
226447 2003 SM_{74}	16.0	X	126.97325	211.50630	248.24979	2.14477	0.1101554	0.19882597	2.9072830	21	5 5.9	20.4
226448 2003 SN_{74}	15.4	X	35.10616	33.09898	337.65132	4.76319	0.1452053	0.17213177	3.2005800	21	12 23.5	19.7
226449 2003 SE_{79}	15.3	X	77.84336	129.83551	279.26312	5.25714	0.0979109	0.18408498	3.0604866	21	1 2.0	19.2
226450 2003 SG_{97}	15.1	X	30.35309	106.26836	287.79187	8.32066	0.0751573	0.17465265	3.1697081	21	—	—
226451 2003 SU_{98}	15.2	X	24.08233	221.86986	211.20726	22.19867	0.1688416	0.18017950	3.1045534	21	—	—
226452 2003 SV_{98}	14.9	X	63.82608	73.61534	277.82074	14.30573	0.2268145	0.17527994	3.1621410	21	—	—
226453 2003 SG_{101}	15.5	X	138.43456	78.31850	243.04387	11.45102	0.1253280	0.18286642	3.0740676	21	—	—
226454 2003 SC_{105}	14.9	X	53.02123	123.44667	279.21841	10.00015	0.1004565	0.17969721	3.1101058	21	—	—
226455 2003 SK_{105}	15.4	X	55.80983	108.73708	238.53488	5.94548	0.1645327	0.17197178	3.2025648	21	12 23.0	19.9
226456 2003 SH_{107}	15.3	X	248.16368	353.50174	231.39886	9.46665	0.0771921	0.18163728	3.0879201	21	—	—
226457 2003 SL_{111}	15.4	X	60.72396	107.68986	226.52462	24.02799	0.1894141	0.17107621	3.2137318	21	12 14.5	20.3
226458 2003 SD_{124}	15.0	X	285.79102	144.08735	8.85534	9.06207	0.0206539	0.17887501	3.1196289	21	—	—
226459 2003 SG_{139}	15.4	X	51.63339	167.88365	197.21008	8.77443	0.1160597	0.17292677	3.1907631	21	—	—
226460 2003 SZ_{140}	15.1	X	196.07170	28.59345	240.79040	14.95586	0.0469022	0.18039949	3.1020289	21	—	—
226461 2003 SH_{142}	15.1	X	32.78988	114.64115	307.07453	14.88234	0.0891821	0.17894637	3.1187994	21	—	—
226462 2003 SP_{143}	15.2	X	85.60414	113.78696	253.21074	9.41803	0.0921149	0.17796615	3.1302410	21	—	—
226463 2003 SD_{144}	14.9	X	103.73740	290.16334	33.26133	16.44253	0.0776361	0.17574444	3.1565669	21	—	—
226464 2003 SW_{144}	14.9	X	157.96433	8.97942	272.60159	16.56497	0.1278638	0.18109710	3.0940576	21	—	—
226465 2003 SS_{148}	15.5	X	3.83830	41.51465	1.64582	6.56123	0.1239370	0.17014522	3.2254443	21	12 14.9	19.6
226466 2003 ST_{151}	15.3	X	60.82125	48.24114	30.73025	12.73895	0.1481427	0.18588031	3.0407482	21	1 22.7	19.1
226467 2003 SE_{157}	15.2	X	40.24998	240.39577	188.63713	9.32637	0.0997514	0.18025394	3.1036985	21	—	—
226468 2003 SK_{160}	15.1	X	16.02825	217.00576	208.70360	5.14627	0.1471557	0.17667452	3.1454789	21	—	—
226469 2003 SP_{167}	15.4	X	24.16490	47.84595	27.02205	12.01251	0.1520878	0.17935352	3.1140777	21	—	—
226470 2003 SV_{168}	15.1	X	96.90659	336.37532	346.43960	8.50657	0.0662620	0.17527996	3.1621408	21	12 28.9	19.9
226471 2003 SK_{173}	15.4	X	48.85020	40.43902	343.48927	4.82043	0.1337419	0.17707966	3.1406793	21	—	—
226472 2003 SD_{174}	15.4	X	77.92303	111.82906	203.83685	6.21529	0.0707504	0.17122917	3.2118176	21	11 29.4	20.1
226473 2003 SA_{175}	15.5	X	111.18250	137.24749	153.19652	1.68806	0.1688514	0.17515512	3.1636432	21	12 12.8	20.5
226474 2003 SS_{175}	15.3	X	62.31849	82.64819	305.78708	7.49499	0.0568616	0.18101003	3.0950496	21	—	—
226475 2003 SJ_{179}	15.5	X	94.20472	339.83647	37.17156	9.31838	0.0520610	0.18253422	3.0777962	21	—	—
226476 2003 SL_{179}	15.6	X	41.27566	307.97763	82.46124	6.89970	0.1263395	0.17589293	3.1547900	21	—	—
226477 2003 SF_{180}	15.7	X	123.52706	122.98558	227.23535	9.43751	0.1352708	0.18320170	3.0703158	21	—	—
226478 2003 SQ_{184}	15.6	X	61.87759	237.39557	176.75107	6.85338	0.1547291	0.18152466	3.0891971	21	—	—
226479 2003 SV_{185}	15.2	X	348.39194	268.48582	213.59096	6.07154	0.1144317	0.18301166	3.0724409	21	—	—
226480 2003 SB_{188}	14.9	X	340.54799	287.53046	225.52350	15.42539	0.0123453	0.18541563	3.0458265	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
226481 2003 SQ_{193}	15.3	X	39.51266	98.35161	311.87253	9.61990	0.1073096	0.17898419	3.1183602	21	—	—
226482 2003 ST_{197}	15.7	X	69.04615	270.91077	112.81381	2.56779	0.1824514	0.17883691	3.1200720	21	—	—
226483 2003 SX_{214}	14.3	X	152.51559	344.32592	291.10308	23.44281	0.0813234	0.17884366	3.1199934	21	—	—
226484 2003 SV_{237}	14.9	X	16.74516	28.61405	24.85094	5.49842	0.1371362	0.17325908	3.1866819	21	—	—
226485 2003 SO_{238}	15.6	X	82.24609	192.76962	204.04632	7.98530	0.0594274	0.18420313	3.0591777	21	—	—
226486 2003 SV_{241}	15.3	X	31.10544	3.92466	5.05721	4.83421	0.1323316	0.16945976	3.2341363	21	12 13.1	19.6
226487 2003 SK_{248}	15.8	X	8.33495	250.68191	177.53165	7.57701	0.1767413	0.17471115	3.1690004	21	—	—
226488 2003 SE_{249}	15.0	X	101.51354	286.57233	26.98965	9.88995	0.0852174	0.17306354	3.1890818	21	12 23.3	19.9
226489 2003 ST_{262}	14.8	X	77.06319	304.74157	24.48218	11.04533	0.0606544	0.17310414	3.1885831	21	12 11.4	19.6
226490 2003 SX_{272}	15.4	X	332.62158	173.47723	250.22553	5.71437	0.0984778	0.16911403	3.2385426	21	11 21.2	19.5
226491 2003 SR_{274}	15.5	X	132.80150	274.41114	35.93956	5.43661	0.1414823	0.17855945	3.1233033	21	—	—
226492 2003 SD_{282}	15.2	X	78.51071	273.87829	45.01675	10.95791	0.0999607	0.17259991	3.1947901	21	12 5.7	19.9
226493 2003 SA_{284}	15.3	X	34.59324	233.23663	209.94575	16.33606	0.1080934	0.18334418	3.0687249	21	—	—
226494 2003 SN_{284}	15.3	X	49.42963	104.34337	313.06847	8.98690	0.0843867	0.18126176	3.0921835	21	—	—
226495 2003 SJ_{286}	15.7	X	136.29899	277.62327	69.24464	4.83197	0.0600693	0.18387483	3.0628180	21	—	—
226496 2003 SU_{291}	15.1	X	44.10511	151.91553	260.13523	10.46087	0.0614657	0.17833491	3.1259244	21	—	—
226497 2003 SN_{292}	15.0	X	215.49455	26.53801	218.63479	21.55966	0.0115058	0.18033749	3.1027399	21	—	—
226498 2003 SL_{293}	15.2	X	175.46775	295.95115	340.14362	9.87101	0.0777842	0.18092028	3.0960732	21	—	—
226499 2003 SP_{296}	14.9	X	333.48905	123.08995	333.62714	18.58335	0.1678325	0.17197860	3.2024801	21	—	—
226500 2003 SH_{309}	15.2	X	104.42328	354.91396	327.18566	4.05951	0.1545590	0.17748041	3.1359498	21	—	—
226501 2003 SN_{315}	14.7	X	59.10485	359.29866	91.51018	16.51981	0.3022223	0.18321015	3.0702214	21	2 28.4	18.2
226502 2003 SY_{318}	15.3	X	195.63737	49.20719	204.86006	11.04598	0.1206033	0.18007331	3.1057737	21	—	—
226503 2003 SB_{319}	14.9	X	35.82698	157.27728	258.29954	9.58464	0.0623528	0.17901452	3.1180079	21	—	—
226504 2003 SX_{320}	18.4	X	278.56387	357.89729	350.56311	2.60630	0.1144717	0.31686901	2.1308336	21	5 20.3	20.8
226505 2003 SC_{322}	15.6	X	344.89745	103.74408	20.94673	14.77648	0.2939553	0.17479128	3.1680319	21	—	—
226506 2003 SB_{329}	15.3	X	331.37261	247.64988	180.17423	18.19681	0.1064734	0.16958107	3.2325938	21	11 26.9	19.6
226507 2003 TT	14.9	X	171.28417	9.40179	267.15114	17.03969	0.1823902	0.18199716	3.0838481	21	—	—
226508 2003 TJ_{10}	14.3	X	57.84383	84.67091	280.26899	14.37049	0.2411250	0.17453771	3.1710995	21	—	—
226509 2003 TB_{16}	15.4	X	39.05960	207.40070	160.65714	8.84481	0.1237610	0.17121973	3.2119357	21	12 22.3	19.9
226510 2003 TA_{42}	15.4	X	300.70146	267.13382	250.63173	3.42261	0.1350414	0.17782333	3.1319169	21	—	—
226511 2003 UU_{1}	14.8	X	52.39600	334.06244	46.44437	13.32635	0.0662821	0.17613875	3.1518541	21	—	—
226512 2003 UC_{25}	15.3	X	109.69294	334.86262	359.30359	9.68612	0.0715360	0.17654560	3.1470100	21	—	—
226513 2003 UP_{27}	14.9	X	357.36195	355.89963	79.91170	6.57060	0.1705444	0.17336104	3.1854323	21	—	—
226514 2003 UX_{34}	20.1	X	289.13192	218.52814	4.34274	2.56346	0.6157410	0.86001014	1.0951333	21	—	—
226515 2003 UO_{45}	16.4	X	27.49070	230.28959	192.49212	1.09038	0.1894052	0.17682070	3.1437451	21	—	—
226516 2003 UR_{46}	16.0	X	142.71216	107.11270	197.67542	4.29900	0.1287722	0.17868884	3.1217953	21	—	—
226517 2003 UA_{47}	14.9	X	81.44618	272.64351	82.30268	10.50617	0.0797106	0.17474921	3.1685403	21	—	—
226518 2003 UC_{60}	15.0	X	116.73617	70.86683	253.21297	15.05243	0.2306342	0.17834643	3.1257898	21	—	—
226519 2003 UW_{61}	15.2	X	25.54387	265.67123	116.07673	6.98656	0.1488124	0.17113157	3.2130387	21	12 24.2	19.3
226520 2003 UU_{62}	14.8	X	96.74753	275.67267	115.76518	9.19648	0.0928104	0.18357181	3.0661876	21	1 5.4	19.0
226521 2003 UW_{66}	15.9	X	64.75889	277.45079	67.56552	6.20492	0.2062304	0.17370971	3.1811683	21	—	—
226522 2003 UT_{79}	15.0	X	34.35858	346.21936	65.43046	6.10460	0.1471932	0.17437557	3.1730649	21	—	—
226523 2003 UO_{93}	15.5	X	4.63666	90.66739	318.48407	4.00505	0.1524949	0.17044224	3.2216961	21	12 27.4	19.4
226524 2003 UQ_{96}	15.4	X	84.49708	127.71462	205.41254	26.50578	0.1653925	0.17617453	3.1514273	21	—	—
226525 2003 UF_{98}	14.9	X	145.79928	266.60461	83.14536	13.57920	0.1770963	0.18283253	3.0744474	21	1 23.6	19.8
226526 2003 UK_{105}	15.9	X	99.61984	127.07123	202.71943	3.64810	0.1863239	0.17582684	3.1555805	21	—	—
226527 2003 UZ_{124}	15.7	X	207.53136	261.62500	106.51251	3.35019	0.1011927	0.19702706	2.9249524	21	4 7.8	20.2
226528 2003 UJ_{125}	15.4	X	5.87555	294.32596	159.79139	10.20977	0.2085920	0.17569874	3.1571142	21	—	—
226529 2003 UV_{139}	15.3	X	346.80737	317.26243	115.09266	6.00526	0.1622734	0.17213834	3.2004987	21	12 28.1	19.0
226530 2003 UY_{141}	15.3	X	62.15525	1.33789	60.05201	9.70186	0.1877771	0.18200459	3.0837642	21	1 4.2	18.9
226531 2003 UO_{142}	14.9	X	278.46834	248.33658	250.38991	11.59168	0.0289081	0.16968348	3.2312930	21	12 13.9	19.3
226532 2003 UC_{155}	15.8	X	87.69480	289.94258	47.87422	10.50337	0.2346943	0.17586482	3.1551262	21	—	—
226533 2003 UE_{161}	15.1	X	2.02242	37.48030	45.62335	10.07639	0.0664683	0.17444202	3.1722590	21	—	—
226534 2003 UO_{161}	16.2	X	51.71759	206.01796	209.94586	1.90316	0.1011202	0.17933767	3.1142612	21	—	—
226535 2003 UG_{180}	14.5	X	159.59572	228.02154	58.86229	12.62954	0.2948892	0.17915967	3.1163236	21	—	—
226536 2003 UK_{180}	15.3	X	68.72835	6.18097	90.88522	7.71003	0.1684039	0.18481848	3.0523836	21	3 2.1	19.1
226537 2003 UF_{183}	15.5	X	27.19916	204.76575	242.63712	3.35156	0.0754699	0.17898936	3.1183000	21	—	—
226538 2003 UZ_{195}	15.3	X	52.15473	317.25529	71.40367	6.01008	0.1314995	0.17336705	3.1853587	21	—	—
226539 2003 UW_{216}	15.6	X	121.22863	331.04966	356.56227	8.51190	0.0685968	0.17844264	3.1246661	21	—	—
226540 2003 UK_{218}	15.0	X	177.79617	207.14503	66.79341	10.55993	0.0697028	0.17599435	3.1535779	21	—	—
226541 2003 UJ_{221}	15.4	X	235.61299	186.81029	18.41638	10.40778	0.0497046	0.17489033	3.1668356	21	—	—
226542 2003 UM_{222}	15.4	X	9.09144	116.88378	312.37528	4.42531	0.1885246	0.17182896	3.2043392	21	—	—
226543 2003 UX_{235}	15.5	X	185.26298	27.40275	240.22831	9.18188	0.0654964	0.17978169	3.1091314	21	—	—
226544 2003 UZ_{245}	15.0	X	302.87586	195.44978	222.51159	16.22179	0.1328475	0.15901409	3.3742634	21	9 20.7	19.6
226545 2003 UL_{253}	15.0	X	28.29881	309.70529	88.99038	20.34516	0.1577360	0.17245177	3.1966195	21	—	—
226546 2003 UK_{278}	15.1	X	317.62661	82.77181	27.24037	18.59430	0.1317847	0.17081463	3.2170120	21	12 24.0	19.3
226547 2003 UY_{279}	15.2	X	30.05885	176.57745	205.57788	18.42738	0.1027454	0.16876335	3.2430274	21	12 22.5	19.9
226548 2003 UU_{282}	14.9	X	67.91551	333.68090	99.92910	12.46464	0.0836300	0.18069660	3.0986277	21	1 18.1	18.9
226549 2003 UA_{304}	15.5	X	105.05395	320.51704	336.31809	4.62135	0.1644954	0.17152991	3.2080624	21	12 13.5	20.6
226550 2003 UW_{307}	16.3	X	29.04916	42.87167	56.61548	1.25879	0.1396191	0.18114007	3.0935682	21	—	—
226551 2003 UB_{351}	15.3	X	12.11967	275.74979	173.20503	11.07771	0.0675232	0.17899673	3.1182145	21	—	—
226552 2003 WN_{6}	16.2	X	296.33329	227.16261	250.55498	8.18866	0.1985129	0.22114953	2.7081874	21	12 6.3	18.8
226553 2003 WB_{16}	15.8	X	64.26081	345.96187	113.85430	1.87173	0.1150811	0.18450619	3.0558270	21	2 16.9	19.5
226554 2003 WR_{21}	19.5	X	203.16819	107.98376	85.83461	9.27465	0.2614328	0.83322147	1.1184822	21	—	—
226555 2003 WT_{27}	15.0	X	284.22115	270.12643	251.01973	13.64190	0.1013995	0.17142044	3.2094280	21	—	—
226556 2003 WS_{33}	15.3	X	60.38169	137.29271	264.05356	9.08443	0.2252752	0.17572388	3.1568131	21	—	—
226557 2003 WY_{36}	15.5	X	28.63776	56.47044	39.95195	17.25569	0.2321021	0.17652660	3.1472358	21	—	—
226558 2003 WD_{37}	15.5	X	41.03382	196.31705	286.22737	9.27762	0.1938459	0.18147141	3.0898015	21	2 11.4	18.9
226559 2003 WR_{38}	15.3	X	65.40014	155.51497	268.06139	15.16765	0.0723188	0.17782737	3.1318694	21	—	—
226560 2003 WY_{51}	14.4	X	318.45846	97.55967	79.48706	15.76486	0.3182167	0.17525755	3.1624104	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
226561 2003 WJ_{52}	15.4	X	110.73317	89.49873	238.32952	8.73775	0.0218506	0.17341642	3.1847541	21	—	—
226562 2003 WD_{59}	15.6	X	22.70049	7.94535	68.79840	5.79192	0.1448386	0.17448353	3.1717559	21	—	—
226563 2003 WT_{68}	14.6	X	325.87614	226.61297	243.61601	19.44392	0.0490973	0.16935076	3.2355240	21	—	—
226564 2003 WP_{70}	15.0	X	129.82614	54.61904	239.43215	27.29346	0.2412174	0.17495844	3.1660137	21	12 29.4	20.8
226565 2003 WR_{71}	15.4	X	103.95931	129.47852	280.61411	9.43595	0.0683673	0.18232815	3.0801147	21	1 31.8	19.7
226566 2003 WF_{85}	15.2	X	289.19567	288.24975	228.13898	8.15998	0.1031765	0.17217526	3.2000411	21	—	—
226567 2003 WG_{107}	14.8	X	65.86219	259.83455	97.47452	15.21098	0.1674027	0.17361708	3.1822997	21	—	—
226568 2003 WH_{189}	15.0	X	46.49458	259.86694	106.19996	18.75425	0.1379094	0.17116011	3.2126815	21	12 31.0	19.6
226569 2003 WW_{189}	15.2	X	345.41251	115.97141	315.47303	18.58229	0.1721578	0.16958815	3.2325038	21	12 26.8	19.1
226570 2003 WL_{193}	15.7	X	151.25333	285.94806	13.39017	12.59896	0.1632705	0.18206025	3.0831356	21	—	—
226571 2003 XX_{8}	15.0	X	75.43810	45.49336	17.98552	15.65316	0.2136063	0.17955467	3.1117515	21	2 9.0	19.1
226572 2003 XA_{11}	14.8	X	328.38554	10.21738	76.06225	19.70308	0.0880950	0.16884254	3.2420134	21	12 12.6	18.8
226573 2003 XO_{13}	14.5	X	292.85297	255.75520	93.24035	19.09693	0.0907406	0.14666590	3.5610927	21	6 21.4	19.4
226574 2003 YJ_{2}	16.9	X	113.15987	155.30580	281.55312	16.37280	0.0941106	0.35273864	1.9838128	21	2 13.4	19.1
226575 2003 YL_{20}	17.0	X	251.89010	285.77792	85.24200	8.02944	0.0442437	0.30620762	2.1800112	21	5 29.4	19.5
226576 2003 YT_{34}	14.5	X	45.53267	315.58884	84.21229	20.01699	0.1698513	0.17106890	3.2138234	21	—	—
226577 2003 YA_{42}	15.3	X	33.24871	329.24965	105.04874	6.31460	0.1397674	0.16974323	3.2305347	21	—	—
226578 2003 YC_{44}	15.3	X	284.27489	179.45826	109.42545	9.69474	0.0502568	0.18410734	3.0602387	21	4 4.3	19.8
226579 2003 YL_{68}	16.6	X	324.32016	267.03962	267.39904	7.24214	0.0782423	0.28470740	2.2884261	21	—	—
226580 2003 YQ_{93}	16.6	X	193.84202	320.83675	305.80740	5.73933	0.1174470	0.27869111	2.3212432	21	—	—
226581 2003 YK_{140}	14.7	X	16.71556	160.88255	307.57898	14.67178	0.1517844	0.17395645	3.1781596	21	—	—
226582 2003 YK_{153}	16.0	X	92.70243	181.49882	286.88228	17.73697	0.0716200	0.35751145	1.9661172	21	2 21.3	18.2
226583 2003 YR_{163}	14.9	X	306.25596	299.45759	261.72095	14.26937	0.0686687	0.17863536	3.1224184	21	1 6.5	19.3
226584 2004 AN_{5}	17.0	X	160.83606	180.06034	286.08365	4.06981	0.0713162	0.30516942	2.1849527	21	6 15.4	19.6
226585 2004 AP_{12}	18.0	X	114.75356	50.89720	90.41317	3.57421	0.0677897	0.30395020	2.1907917	21	6 5.2	20.3
226586 2004 BD_{15}	17.8	X	97.81375	161.60005	346.71373	1.79468	0.1013283	0.30125715	2.2038285	21	5 27.0	20.1
226587 2004 BY_{19}	15.7	X	3.68232	105.00226	18.28274	3.56800	0.2586084	0.17044397	3.2216742	21	—	—
226588 2004 BJ_{23}	16.9	X	229.65351	151.82633	266.27419	4.95349	0.0864408	0.30965557	2.1637983	21	7 1.6	19.6
226589 2004 BY_{28}	17.5	X	63.78525	352.92976	109.35271	2.52468	0.1245073	0.28888766	2.2662965	21	1 24.6	19.5
226590 2004 BT_{47}	15.4	X	354.05199	10.96384	153.18305	2.46483	0.0991938	0.17439810	3.1727917	21	1 22.3	19.5
226591 2004 BY_{77}	16.6	X	166.63332	271.29672	328.55910	6.83785	0.0729711	0.26854056	2.3793744	21	12 19.5	20.0
226592 2004 BK_{102}	17.3	X	161.72290	113.30439	316.19787	5.58317	0.1430896	0.29710597	2.2243091	21	4 28.5	20.5
226593 2004 CB_{23}	15.1	X	260.04195	156.02479	117.81988	11.45789	0.1823975	0.17369735	3.1813193	21	2 2.2	20.2
226594 2004 CD_{23}	17.5	X	268.59812	242.93374	110.47324	7.01966	0.1354647	0.30527766	2.1844362	21	5 15.0	20.4
226595 2004 CQ_{26}	16.6	X	56.51126	213.20383	323.03001	1.88647	0.0796603	0.29597054	2.2299942	21	4 28.3	18.7
226596 2004 CY_{31}	17.1	X	268.27868	56.21635	293.35657	3.49269	0.2191081	0.30583065	2.1818022	21	4 24.8	20.4
226597 2004 CF_{37}	16.9	X	43.24633	247.82837	302.22871	7.17225	0.0645822	0.29524345	2.2336538	21	4 21.9	19.3
226598 2004 CC_{43}	17.0	X	318.22713	222.07958	23.66628	4.80335	0.1206068	0.28987897	2.2611268	21	2 21.8	19.7
226599 2004 CO_{56}	16.5	X	304.87508	240.47849	356.24690	5.24269	0.1237345	0.28565683	2.2833526	21	1 22.9	19.5
226600 2004 CQ_{64}	16.4	X	291.11160	201.14707	71.28225	10.66376	0.0917733	0.28996174	2.2606964	21	3 2.7	19.5
226601 2004 CV_{79}	16.9	X	272.35445	156.64969	128.45332	8.46292	0.0602749	0.28961780	2.2624859	21	2 24.1	19.8
226602 2004 CH_{84}	14.8	X	52.53340	58.21900	112.07054	1.72895	0.1693539	0.12480163	3.9657244	21	5 13.7	19.9
226603 2004 CC_{85}	17.0	X	321.97877	121.05277	66.58180	5.56975	0.0844626	0.28092917	2.3088984	21	—	—
226604 2004 CC_{86}	17.0	X	296.70456	121.22460	135.94083	2.16240	0.1326492	0.28798214	2.2710447	21	2 6.0	19.7
226605 2004 CD_{95}	15.9	X	299.70852	298.01587	301.73767	5.25516	0.1958544	0.28425423	2.2908576	21	1 11.2	19.1
226606 2004 CS_{115}	17.0	X	256.32131	282.90172	333.29125	4.51328	0.2105398	0.28111038	2.3079061	21	—	—
226607 2004 DC_{5}	16.8	X	235.21222	179.43218	69.27640	3.42861	0.1927479	0.27563740	2.3383559	21	—	—
226608 2004 DQ_{21}	16.6	X	291.32157	338.73486	247.88385	4.33638	0.0947729	0.28116283	2.3076190	21	—	—
226609 2004 DB_{22}	17.1	X	163.61021	105.93027	26.45723	4.71940	0.0725133	0.30509423	2.1853117	21	7 28.9	19.9
226610 2004 DO_{22}	16.8	X	261.06174	212.48810	171.73387	2.08845	0.0932518	0.30621676	2.1799678	21	6 23.0	19.4
226611 2004 DB_{24}	16.3	X	324.45846	310.66656	286.07845	6.93541	0.1032758	0.28948574	2.2631739	21	2 16.0	18.9
226612 2004 DN_{28}	14.5	X	48.40014	58.82774	121.61998	4.00502	0.1072317	0.12450784	3.9719605	21	5 13.2	19.7
226613 2004 DZ_{29}	16.9	X	268.33895	165.30897	84.57681	2.35005	0.2085259	0.28063480	2.3105127	21	—	—
226614 2004 DG_{40}	16.9	X	118.41552	134.44739	337.15895	6.26341	0.0408443	0.29587890	2.2304546	21	4 20.3	19.6
226615 2004 DJ_{43}	17.0	X	320.32929	348.71397	233.74112	1.54545	0.1796522	0.28433914	2.2904015	21	1 13.5	20.0
226616 2004 DL_{43}	16.8	X	287.01902	18.77514	234.49727	3.06417	0.1493106	0.28340018	2.2954577	21	1 19.2	20.0
226617 2004 DV_{46}	16.6	X	253.86908	36.21344	223.70327	5.32354	0.1617139	0.28002094	2.3138882	21	—	—
226618 2004 DE_{57}	16.6	X	254.36976	320.76016	304.53358	4.59797	0.1106370	0.28301923	2.2975171	21	1 4.6	20.0
226619 2004 DX_{78}	17.1	X	65.70337	166.58966	35.83866	5.45628	0.1001906	0.29961389	2.2118793	21	6 29.2	19.4
226620 2004 EW_{5}	17.0	X	291.28345	75.53047	139.76874	3.11903	0.1140882	0.27869608	2.3212156	21	—	—
226621 2004 EK_{6}	17.0	X	309.80937	53.67039	181.30834	2.25931	0.1087450	0.28492448	2.2872635	21	1 26.9	19.7
226622 2004 EJ_{7}	16.5	X	294.24628	211.15255	10.62726	7.07959	0.0670414	0.28016740	2.3130817	21	—	—
226623 2004 EY_{7}	16.9	X	316.17639	345.08756	249.42810	1.71105	0.1224611	0.28513945	2.2861138	21	2 1.4	19.7
226624 2004 EP_{30}	17.3	X	192.05338	59.38574	252.32420	1.68459	0.1358598	0.27777851	2.3263244	21	1 1.6	20.7
226625 2004 EX_{36}	17.1	X	53.81766	135.55605	30.21219	2.79462	0.0923649	0.29106589	2.2549756	21	4 10.6	19.1
226626 2004 EE_{40}	16.5	X	235.32423	209.14885	74.57253	3.95159	0.1925736	0.27974504	2.3154094	21	1 8.2	20.1
226627 2004 EE_{42}	16.1	X	355.28314	6.52587	186.68922	6.16466	0.1127999	0.28534484	2.2850166	21	2 1.8	18.6
226628 2004 ER_{53}	17.3	X	95.59885	96.22847	55.83933	7.65787	0.1444109	0.29595540	2.2300702	21	6 5.8	19.8
226629 2004 EX_{77}	17.7	X	168.89479	209.76894	270.37915	1.69030	0.1514840	0.30416523	2.1897591	21	7 17.1	20.8
226630 2004 EU_{91}	17.6	X	175.26512	230.13374	159.31290	4.34498	0.1146195	0.29128383	2.2538506	21	3 22.3	20.7
226631 2004 FH_{2}	16.7	X	17.90210	55.65758	144.51973	6.81993	0.1641526	0.28926017	2.2643503	21	3 27.2	18.3
226632 2004 FP_{3}	17.3	X	285.51285	21.72574	219.13246	2.58431	0.1835828	0.28144008	2.3061033	21	—	—
226633 2004 FN_{11}	16.9	X	59.20108	269.50275	263.93081	4.38320	0.1062040	0.29379624	2.2409830	21	5 2.3	19.1
226634 2004 FG_{13}	16.0	X	2.52659	269.23179	317.43095	6.81708	0.2730322	0.23243851	2.6197750	21	3 29.1	18.0
226635 2004 FF_{19}	16.9	X	340.58671	349.68285	243.22883	2.98599	0.0923404	0.28898030	2.2658121	21	3 10.1	19.3
226636 2004 FO_{21}	17.0	X	94.62342	298.34704	199.18106	6.62592	0.0436910	0.29404950	2.2396961	21	4 27.9	19.4
226637 2004 FU_{21}	17.0	X	315.90095	336.77905	256.38611	3.17674	0.0286608	0.28624690	2.2802135	21	2 12.8	19.8
226638 2004 FN_{35}	16.4	X	293.55996	232.84981	25.46793	5.71281	0.0996389	0.28430933	2.2905616	21	2 11.3	19.4
226639 2004 FG_{36}	17.1	X	96.76843	112.02891	29.09312	6.82428	0.1045703	0.29450093	2.2374067	21	5 14.8	19.7
226640 2004 FT_{49}	17.2	X	113.21306	274.32993	202.78687	5.31505	0.1015218	0.29402045	2.2398436	21	5 4.8	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
226641 2004 FT_{64}	17.1	X	69.68183	80.44590	90.56051	1.62303	0.1242591	0.29278431	2.2461436	21	5 22.1	19.3
226642 2004 FZ_{64}	16.4	X	250.42487	71.20374	185.65735	6.56407	0.0910182	0.27493454	2.3423395	21	—	—
226643 2004 FS_{66}	16.5	X	208.31219	249.39437	48.37052	4.34180	0.1609349	0.27666285	2.3325743	21	1 1.8	20.1
226644 2004 FO_{69}	16.6	X	8.22012	120.45235	186.16819	11.35075	0.3014918	0.24144955	2.5541817	21	9 17.2	18.2
226645 2004 FP_{78}	17.4	X	200.80795	280.14328	3.57145	4.03759	0.1342771	0.27302714	2.3532361	21	—	—
226646 2004 FE_{85}	16.8	X	212.01661	223.96304	63.20122	7.83751	0.1263468	0.27475290	2.3433718	21	—	—
226647 2004 FP_{92}	17.9	X	60.81838	215.12580	334.31439	0.80261	0.1644317	0.29495826	2.2350934	21	6 11.2	19.9
226648 2004 FS_{106}	16.3	X	233.17076	81.82659	208.93159	5.73920	0.1233288	0.27875116	2.3209098	21	1 14.1	19.9
226649 2004 FX_{106}	17.5	X	13.12302	324.98861	222.68888	2.13923	0.1073018	0.28732272	2.2745181	21	2 25.9	19.5
226650 2004 FQ_{107}	17.0	X	23.54899	293.99472	211.13650	4.70605	0.1045583	0.28195176	2.3033124	21	1 13.8	19.4
226651 2004 FU_{107}	16.8	X	157.33518	213.17398	32.30161	9.70342	0.2073760	0.25759016	2.4463384	21	12 8.4	21.0
226652 2004 FT_{110}	16.6	X	288.52914	350.36042	224.40019	4.28531	0.1743643	0.27561994	2.3384547	21	—	—
226653 2004 FX_{127}	17.1	X	340.03530	271.05279	295.41488	2.41948	0.1055965	0.28418457	2.2912320	21	1 30.7	19.6
226654 2004 FV_{134}	16.8	X	201.05501	293.71349	314.53633	4.06373	0.1928688	0.26572510	2.3961518	21	—	—
226655 2004 FX_{135}	17.3	X	54.43515	126.13026	8.25576	1.77490	0.0510754	0.28620453	2.2804386	21	2 21.5	19.7
226656 2004 FV_{139}	16.1	X	204.50698	85.97742	222.90112	5.79793	0.1523952	0.27749280	2.3279210	21	1 10.1	19.7
226657 2004 FZ_{140}	17.2	X	313.35620	236.01064	344.08553	2.12585	0.1069318	0.28168300	2.3047772	21	1 13.4	20.1
226658 2004 FZ_{141}	17.1	X	167.35948	79.39852	2.07003	4.94652	0.1054495	0.29694544	2.2251107	21	5 19.9	20.2
226659 2004 FJ_{162}	17.1	X	126.98932	271.70744	76.64749	7.13804	0.1310721	0.27201093	2.3590934	21	—	—
226660 2004 GY_{1}	16.4	X	327.59041	122.12450	83.97212	7.06952	0.0694605	0.27940518	2.3172866	21	1 20.3	19.1
226661 2004 GC_{13}	16.6	X	344.36631	22.79713	213.10460	9.15523	0.1636975	0.28998130	2.2605948	21	3 7.6	18.9
226662 2004 GR_{13}	16.8	X	274.68956	281.70186	322.00519	5.90949	0.0831194	0.27763412	2.3271310	21	1 2.3	20.0
226663 2004 GV_{13}	16.3	X	179.77289	45.51129	260.95233	6.44856	0.1239568	0.27070017	2.3667027	21	—	—
226664 2004 GK_{17}	17.6	X	294.84325	160.81335	59.22530	3.84216	0.1706282	0.27724202	2.3293246	21	—	—
226665 2004 GD_{22}	17.4	X	163.55869	20.53624	234.92808	1.54758	0.1824471	0.26020846	2.4299002	21	12 28.1	21.3
226666 2004 GN_{23}	16.8	X	137.81747	288.36604	203.59264	21.45175	0.2194194	0.29812706	2.2192273	21	7 2.6	20.8
226667 2004 GK_{36}	16.2	X	201.86991	22.07850	241.36847	8.30299	0.1838061	0.26643923	2.3918683	21	—	—
226668 2004 GS_{44}	17.0	X	200.05384	298.91032	334.79382	2.47642	0.1445159	0.27103122	2.3647750	21	—	—
226669 2004 GJ_{46}	17.5	X	213.98565	216.36541	55.80738	2.33956	0.0952578	0.27202335	2.3590216	21	—	—
226670 2004 GY_{66}	17.5	X	149.93952	228.14328	237.74934	2.70236	0.1349049	0.29719895	2.2238451	21	6 6.8	20.4
226671 2004 GF_{80}	17.9	X	212.99226	139.55635	121.16651	0.82554	0.0352196	0.26915450	2.3757548	21	—	—
226672 Kucinskas	15.9	X	135.65067	313.99373	45.23263	7.63411	0.1727930	0.27206204	2.3587980	21	1 6.7	19.0
226673 2004 HR_{5}	17.4	X	344.74163	285.18494	282.69543	3.63277	0.1687971	0.28382728	2.2931544	21	1 29.3	19.7
226674 2004 HV_{14}	17.3	X	3.51609	154.81497	12.27990	3.89126	0.1005149	0.28146601	2.3059616	21	1 14.4	19.8
226675 2004 HE_{18}	16.5	X	4.03381	310.60329	212.77930	5.32101	0.0319131	0.27786783	2.3258259	21	1 17.0	19.2
226676 2004 HQ_{28}	16.9	X	337.71344	109.92077	79.04217	6.08161	0.1013983	0.27848495	2.3223887	21	1 5.6	19.7
226677 2004 HX_{30}	17.4	X	307.80101	66.90156	146.63594	3.69519	0.1561890	0.27683325	2.3316170	21	—	—
226678 2004 HO_{34}	16.8	X	313.14583	186.12840	78.68765	7.55514	0.0819350	0.28437746	2.2901957	21	3 23.2	19.6
226679 2004 HP_{35}	17.0	X	293.45917	186.75423	13.96323	2.48736	0.1683122	0.27407815	2.3472163	21	—	—
226680 2004 HU_{35}	16.1	X	4.11036	333.10035	224.55903	23.48588	0.1576045	0.28228536	2.3014974	21	2 9.9	19.1
226681 2004 HJ_{43}	16.9	X	143.35089	22.26509	61.22918	7.98763	0.1109585	0.29260060	2.2470836	21	4 28.6	19.8
226682 2004 HP_{43}	17.4	X	3.42299	302.13121	243.38607	0.19210	0.1492526	0.28383863	2.2930933	21	2 1.5	19.5
226683 2004 HC_{51}	16.7	X	12.04021	283.28470	248.27445	5.17403	0.1324761	0.28251502	2.3002499	21	1 28.3	18.9
226684 2004 HF_{52}	16.9	X	321.38859	193.76520	218.67770	6.04181	0.1186042	0.25482909	2.4639774	21	11 6.2	19.2
226685 2004 HT_{54}	17.1	X	180.46290	173.54187	42.63779	2.93097	0.1691616	0.25795025	2.4440612	21	11 25.8	20.9
226686 2004 HZ_{57}	16.6	X	41.14838	46.01798	42.21185	6.72244	0.0752035	0.27187720	2.3598670	21	—	—
226687 2004 JG_{14}	16.8	X	48.12697	90.73625	56.04554	7.69601	0.1172156	0.28315825	2.2967650	21	3 9.6	19.0
226688 2004 JF_{15}	16.9	X	191.41944	201.89655	67.13841	3.19111	0.1571198	0.26431396	2.4046727	21	—	—
226689 2004 JH_{19}	16.6	X	233.96354	320.26136	275.37563	5.82389	0.0684187	0.26766825	2.3845411	21	—	—
226690 2004 JH_{20}	16.6	X	63.18108	42.34464	199.44539	4.11016	0.1935872	0.24024583	2.5627061	21	9 3.4	19.8
226691 2004 JA_{22}	12.8	X	344.40150	354.20420	41.25303	16.64490	0.1206152	0.08194690	5.2494567	21	10 22.6	19.2
226692 2004 JO_{25}	16.8	X	154.80469	28.27210	227.69390	1.46716	0.1780539	0.25634737	2.4542387	21	12 20.8	20.9
226693 2004 JX_{28}	17.1	X	112.01996	191.33793	89.89023	3.96095	0.1776891	0.25438565	2.4668399	21	12 14.3	20.9
226694 2004 JZ_{28}	17.1	X	226.50327	118.54418	105.56778	2.73800	0.1250855	0.26557089	2.3970793	21	—	—
226695 2004 JR_{29}	16.8	X	44.50172	72.98993	220.63389	9.83099	0.1850802	0.24383038	2.5375280	21	10 17.3	19.9
226696 2004 JS_{35}	16.6	X	176.98342	218.88098	36.48558	6.78207	0.1589502	0.26049671	2.4281073	21	—	—
226697 2004 JR_{43}	16.3	X	35.31664	188.56999	103.27309	6.23078	0.1761613	0.24255747	2.5463980	21	10 4.1	19.3
226698 2004 LS_{11}	16.4	X	315.86084	324.88033	265.03026	5.78315	0.1183357	0.27922012	2.3183104	21	1 26.7	19.2
226699 2004 LO_{17}	15.6	X	336.69373	208.39890	84.56454	15.07135	0.2398440	0.22899464	2.6459756	21	5 23.6	18.2
226700 2004 LP_{17}	16.0	X	24.55705	204.12857	84.50034	9.15175	0.1949776	0.23600258	2.5933326	21	9 14.6	18.9
226701 2004 NP_{3}	17.1	X	216.77737	248.04360	6.25775	2.76113	0.1592087	0.26270209	2.4144990	21	—	—
226702 2004 NY_{6}	15.9	X	219.05926	57.51679	285.35940	6.08406	0.2403482	0.21088983	2.7953249	21	3 10.1	20.9
226703 2004 NJ_{9}	16.4	X	26.52782	78.18855	234.29021	1.41433	0.1737562	0.23857242	2.5746758	21	10 13.7	19.0
226704 2004 NL_{17}	15.7	X	297.38052	165.37062	137.44483	15.32995	0.1083148	0.22151143	2.7052368	21	4 27.7	19.6
226705 2004 NF_{19}	16.1	X	123.87213	27.44969	191.58794	5.06579	0.2036859	0.24347181	2.5400187	21	10 10.4	20.3
226706 2004 NK_{24}	16.0	X	249.21062	148.37920	173.94964	8.03035	0.2676731	0.21391002	2.7689511	21	3 9.9	20.7
226707 2004 OO_{2}	16.9	X	98.25123	86.84063	177.05232	1.77193	0.1880736	0.24430488	2.5342413	21	11 10.7	20.9
226708 2004 OH_{7}	16.3	X	80.23727	153.47098	126.82134	7.20212	0.0878129	0.24302980	2.5430976	21	11 4.2	19.9
226709 2004 OR_{7}	16.4	X	2.04906	181.18743	121.18626	4.69400	0.1854296	0.23298909	2.6156461	21	8 11.4	18.7
226710 2004 OM_{11}	15.5	X	257.11158	269.54603	90.91514	13.97335	0.2275879	0.22101744	2.7092662	21	5 8.9	20.0
226711 2004 OM_{15}	17.0	X	225.80039	280.88047	46.90950	7.63848	0.2954643	0.21209066	2.7847637	21	3 2.7	22.1
226712 2004 PG_{1}	16.5	X	33.24821	226.65170	62.64499	5.79751	0.2029994	0.23495367	2.6010452	21	9 29.9	19.4
226713 2004 PS_{4}	16.4	X	266.10769	139.78904	249.27376	4.18966	0.1667976	0.22517649	2.6758023	21	6 26.5	20.1
226714 2004 PV_{13}	16.3	X	306.63705	242.23206	110.95780	3.58661	0.1398600	0.22813088	2.6526503	21	7 8.9	19.3
226715 2004 PW_{15}	16.2	X	237.36039	355.78062	346.86303	9.31503	0.1456489	0.21451664	2.7637286	21	3 29.3	20.6
226716 2004 PL_{19}	15.8	X	295.69085	7.60762	342.51485	9.04732	0.1303638	0.22520443	2.6755810	21	6 18.9	19.3
226717 2004 PK_{22}	16.1	X	255.58055	179.09847	136.75297	10.95587	0.1826606	0.21621400	2.7492454	21	3 16.2	20.6
226718 2004 PZ_{25}	16.3	X	261.62993	25.32632	324.84225	2.22682	0.1961433	0.22051205	2.7134043	21	4 27.9	20.4
226719 2004 PF_{34}	16.3	X	243.47086	237.60349	145.54249	14.02572	0.2107131	0.22062722	2.7124599	21	5 24.9	21.0
226720 2004 PU_{36}	16.4	X	267.05430	165.42275	203.84059	5.31108	0.0432659	0.22517046	2.6758501	21	6 19.2	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
226721 2004 PA_{40}	16.0	X	257.11820	190.10093	169.26493	4.26389	0.1146059	0.22012670	2.7165700	21	5 16.0	19.9
226722 2004 PO_{49}	16.3	X	322.23018	232.84293	81.80702	3.39239	0.2018410	0.22646365	2.6656536	21	5 30.9	19.1
226723 2004 PL_{55}	15.8	X	253.39562	242.25639	95.66237	5.90063	0.1212146	0.21706167	2.7420832	21	4 15.7	20.0
226724 2004 PB_{62}	16.0	X	262.64961	266.60970	86.74644	14.48361	0.1179161	0.22314549	2.6920140	21	5 16.6	20.0
226725 2004 PP_{64}	16.0	X	226.95795	337.67105	10.99898	6.51595	0.1432526	0.21404319	2.7678025	21	3 29.5	20.3
226726 2004 PE_{68}	16.0	X	221.98951	88.28305	272.75929	5.33322	0.1371543	0.21511342	2.7586147	21	4 6.3	20.4
226727 2004 PL_{89}	15.8	X	22.85223	43.55038	238.98823	10.76824	0.1689348	0.23294002	2.6160135	21	8 17.3	18.8
226728 2004 PF_{92}	15.8	X	33.33000	352.71130	288.47430	14.05430	0.0880108	0.23204772	2.6227155	21	8 21.9	19.2
226729 2004 PJ_{92}	15.8	X	278.95139	219.32856	258.27019	12.25718	0.0235301	0.24388791	2.5371289	21	12 3.9	18.9
226730 2004 PB_{93}	16.0	X	242.12371	258.83431	115.49409	17.35271	0.2658472	0.21940186	2.7225499	21	5 11.8	20.9
226731 2004 PP_{98}	15.9	X	288.48723	246.66111	79.59378	7.78394	0.2470724	0.22114818	2.7081984	21	4 23.8	19.9
226732 2004 PU_{98}	15.9	X	317.75840	220.10896	90.88651	6.26615	0.1810325	0.22488522	2.6781122	21	5 22.2	19.0
226733 2004 PC_{102}	16.3	X	357.62584	237.83700	31.96463	12.66831	0.3436204	0.22911470	2.6450512	21	5 22.6	17.7
226734 2004 PJ_{105}	16.4	X	212.79026	193.84985	164.19533	2.57158	0.1599562	0.21357981	2.7718044	21	3 27.7	20.7
226735 2004 QP_{9}	16.3	X	186.39185	28.42847	8.32769	6.85755	0.3160178	0.21174198	2.7878200	21	4 20.5	21.5
226736 2004 QX_{10}	15.7	X	272.97371	245.84630	101.63739	10.81185	0.1100669	0.22093001	2.7099810	21	5 21.7	19.6
226737 2004 QA_{28}	16.6	X	232.68678	181.26213	157.59700	3.82849	0.0959100	0.21369301	2.7708255	21	3 26.3	20.9
226738 2004 RY_{1}	15.2	X	307.32535	172.36280	305.13634	26.19519	0.2178811	0.24017130	2.5632363	21	—	—
226739 2004 RD_{3}	15.4	X	258.42756	188.68128	270.15642	21.47749	0.0615959	0.23334104	2.6130154	21	9 22.9	19.6
226740 2004 RR_{4}	16.0	X	213.77953	326.88593	90.54164	7.35398	0.0427377	0.22074862	2.7114653	21	6 15.9	19.6
226741 2004 RH_{13}	15.8	X	322.46961	293.75233	13.14920	13.44746	0.1663758	0.22302080	2.6930173	21	5 21.4	19.1
226742 2004 RS_{14}	16.2	X	249.19197	99.95900	268.79332	2.70736	0.1155951	0.22032217	2.7149630	21	5 17.5	20.1
226743 2004 RN_{17}	16.1	X	298.96094	262.79134	66.22918	5.39266	0.0950850	0.22201905	2.7011118	21	5 31.1	19.5
226744 2004 RA_{19}	16.2	X	191.91219	195.69126	228.73016	6.06240	0.1322372	0.21785726	2.7354032	21	5 29.1	20.4
226745 2004 RC_{23}	16.2	X	338.93377	303.31843	15.82471	2.89092	0.1166664	0.22746593	2.6578174	21	7 20.2	19.0
226746 2004 RF_{23}	15.4	X	112.48473	1.66029	354.78426	12.44941	0.1043009	0.19519395	2.9432364	21	—	—
226747 2004 RK_{25}	16.3	X	330.62175	321.73647	345.38880	2.78316	0.0757958	0.22530119	2.6748149	21	6 20.9	19.5
226748 2004 RN_{26}	16.4	X	241.05524	301.64487	128.58383	3.90259	0.1307716	0.22709588	2.6607039	21	7 26.4	20.1
226749 2004 RY_{27}	16.6	X	237.70246	9.82826	328.25924	4.05416	0.1534196	0.21420634	2.7663970	21	3 24.6	21.1
226750 2004 RD_{28}	16.4	X	174.70813	101.20213	326.50684	8.22540	0.2117913	0.21474293	2.7617867	21	5 15.9	21.3
226751 2004 RE_{28}	16.3	X	224.71405	233.01731	154.62667	3.98176	0.2060995	0.21776016	2.7362164	21	5 11.9	20.9
226752 2004 RB_{40}	15.6	X	278.50603	227.19060	92.89594	10.61087	0.1186392	0.21774750	2.7363224	21	4 23.8	19.6
226753 2004 RA_{46}	16.6	X	191.01019	20.58340	3.52674	4.68529	0.1322913	0.21169592	2.7882244	21	4 7.5	20.9
226754 2004 RC_{50}	16.3	X	238.36531	164.18032	168.26841	8.70512	0.2181328	0.21275235	2.7789867	21	3 16.8	21.1
226755 2004 RW_{53}	16.4	X	283.82727	328.70044	70.00345	2.70439	0.0982507	0.22801375	2.6535586	21	8 14.7	19.6
226756 2004 RU_{61}	16.3	X	358.87563	311.08934	339.76712	3.29793	0.1145187	0.22613072	2.6682694	21	7 15.4	19.0
226757 2004 RX_{61}	16.3	X	208.77519	186.12526	173.21907	4.54103	0.2060475	0.21092277	2.7950339	21	3 25.4	21.1
226758 2004 RF_{62}	15.8	X	231.03808	35.43409	352.11761	5.00515	0.1307927	0.21812420	2.7331711	21	5 19.7	20.0
226759 2004 RE_{71}	16.4	X	191.00658	338.03776	29.00797	4.33666	0.1136289	0.20848358	2.8167922	21	3 19.6	20.7
226760 2004 RK_{74}	15.4	X	63.27976	226.61246	355.71114	11.39489	0.1325279	0.22489172	2.6780606	21	8 2.2	18.9
226761 2004 RL_{74}	16.6	X	323.61825	324.84572	17.04205	3.73931	0.1034955	0.22668113	2.6639483	21	7 27.8	19.6
226762 2004 RA_{77}	16.0	X	235.62143	248.13725	134.12766	5.65750	0.1509958	0.21675902	2.7446350	21	5 19.3	20.3
226763 2004 RB_{78}	16.4	X	237.13004	312.67561	56.31082	3.94833	0.1804457	0.21573290	2.7533312	21	4 30.9	20.8
226764 2004 RM_{87}	16.7	X	3.10454	52.13343	270.83174	0.96328	0.0962297	0.23176286	2.6248641	21	9 7.1	19.6
226765 2004 RO_{88}	15.5	X	174.56831	162.52435	219.35699	8.35394	0.1671961	0.21130906	2.7916265	21	3 20.2	20.1
226766 2004 RY_{97}	16.2	X	202.72268	150.34215	255.47904	3.55997	0.0547705	0.21811530	2.7332454	21	5 17.5	20.0
226767 2004 RE_{99}	16.2	X	242.15000	228.85414	196.57262	5.00805	0.1221641	0.22548746	2.6733416	21	7 21.2	20.2
226768 2004 RA_{108}	15.8	X	147.45455	285.28180	176.36477	9.28209	0.1243875	0.21463466	2.7627154	21	6 1.7	20.2
226769 2004 RA_{116}	16.4	X	318.79461	73.20707	190.34297	3.28642	0.1522612	0.21703549	2.7423037	21	3 23.6	19.9
226770 2004 RF_{116}	16.8	X	77.40007	188.70430	318.30593	2.34704	0.0314889	0.21456371	2.7633244	21	4 20.8	20.5
226771 2004 RL_{116}	15.7	X	210.40008	269.83315	88.03509	5.40252	0.0814148	0.21083613	2.7957995	21	3 29.3	19.9
226772 2004 RX_{119}	16.9	X	37.11208	112.33394	155.52075	6.81792	0.0614530	0.22883907	2.6471747	21	8 10.9	20.2
226773 2004 RP_{122}	16.0	X	197.48776	159.61060	357.79384	8.11844	0.1287044	0.23616145	2.5921694	21	9 29.9	20.0
226774 2004 RR_{125}	16.8	X	304.62492	350.15023	325.82279	4.55076	0.0537073	0.22081934	2.7108863	21	5 26.8	20.3
226775 2004 RA_{136}	16.7	X	174.20974	22.07222	50.88897	3.22137	0.0709607	0.21708360	2.7418985	21	5 20.2	20.7
226776 2004 RO_{138}	15.8	X	274.72278	56.23258	282.66138	12.85797	0.1155126	0.21995074	2.7180186	21	5 5.6	20.0
226777 2004 RB_{142}	16.3	X	134.80745	260.14654	197.80106	4.93531	0.0176763	0.21559860	2.7544745	21	5 1.6	20.0
226778 2004 RL_{142}	15.8	X	357.69114	103.67598	349.67961	8.53325	0.0784637	0.19078389	2.9884196	21	—	—
226779 2004 RW_{143}	15.7	X	195.50666	279.32737	128.33308	4.46630	0.0967270	0.21338118	2.7735243	21	5 13.2	20.0
226780 2004 RO_{144}	15.9	X	265.20447	151.89976	202.20398	12.92647	0.1833370	0.22074086	2.7115288	21	5 10.3	20.0
226781 2004 RJ_{145}	16.7	X	225.39028	240.37701	160.70267	5.04253	0.1210007	0.21967951	2.7202554	21	6 3.1	20.9
226782 2004 RB_{150}	16.1	X	239.65255	318.22163	27.32726	6.21356	0.1025922	0.21335195	2.7737776	21	4 10.1	20.2
226783 2004 RQ_{153}	15.7	X	224.30962	213.94675	201.52290	14.15477	0.1745016	0.22019837	2.7159805	21	6 15.6	20.3
226784 2004 RS_{155}	15.8	X	267.90708	118.84972	211.39732	7.69719	0.0918234	0.21674172	2.7447810	21	4 22.9	19.7
226785 2004 RP_{159}	15.6	X	184.39575	76.28396	288.53329	8.30429	0.1541746	0.20640644	2.8356582	21	3 6.9	20.4
226786 2004 RD_{160}	16.1	X	173.76687	115.96047	321.72802	5.98443	0.0406459	0.21778302	2.7360249	21	5 23.5	20.1
226787 2004 RQ_{166}	16.5	X	191.05859	244.03068	177.00898	9.79046	0.1649903	0.21676711	2.7445667	21	5 25.3	21.2
226788 2004 RV_{170}	15.6	X	268.72179	288.01430	7.49714	7.33229	0.2133660	0.21042492	2.7994407	21	3 1.2	20.0
226789 2004 RZ_{172}	15.9	X	347.19149	357.37865	230.32134	4.48029	0.0290271	0.21379730	2.7699243	21	4 1.6	19.6
226790 2004 RV_{174}	15.7	X	247.36920	144.26079	198.87805	12.64566	0.2009942	0.21638145	2.7478269	21	4 6.4	20.0
226791 2004 RH_{177}	15.8	X	253.61381	72.27380	284.04286	8.58660	0.1135823	0.21801526	2.7340815	21	5 4.6	20.0
226792 2004 RH_{180}	15.8	X	303.55641	20.05017	280.39877	4.35677	0.0931658	0.21815084	2.7329485	21	4 27.8	19.3
226793 2004 RT_{182}	15.8	X	246.58401	183.46876	195.18646	13.82475	0.1076378	0.21902932	2.7256361	21	5 29.9	20.0
226794 2004 RL_{183}	15.8	X	194.00792	193.67812	187.66503	13.94706	0.1987521	0.21026475	2.8008621	21	4 9.1	20.5
226795 2004 RU_{187}	15.4	X	224.46613	52.10980	313.03319	10.47275	0.1425301	0.21314085	2.7756088	21	4 10.8	20.0
226796 2004 RO_{188}	15.3	X	272.39854	59.19629	259.39686	7.06742	0.1147827	0.21450332	2.7638430	21	4 7.6	19.3
226797 2004 RG_{193}	15.6	X	228.62300	145.62941	262.53955	7.89732	0.1478512	0.21757412	2.7377759	21	6 12.7	19.9
226798 2004 RN_{201}	15.5	X	153.44362	104.88227	349.23514	8.35687	0.0963796	0.21260965	2.7802301	21	5 23.9	19.9
226799 2004 RU_{201}	16.7	X	257.23795	291.01435	21.53761	3.98567	0.0842929	0.20928243	2.8096197	21	3 21.7	20.7
226800 2004 RM_{202}	16.0	X	279.07839	162.49995	212.03246	5.74651	0.0660632	0.22334762	2.6903895	21	7 8.3	19.6

Planet		H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
		m		°	°	°	°		°				
226801	2004 RK_{205}	16.1	X	181.11088	13.20167	46.57067	10.44220	0.1478093	0.21232937	2.7826762	21	5 12.5	20.6
226802	2004 RF_{209}	15.3	X	206.64062	94.63437	248.98874	11.55872	0.1667057	0.20956175	2.8071226	21	2 27.6	20.2
226803	2004 RH_{211}	15.9	X	310.57519	77.73415	236.47907	11.63913	0.2740195	0.22267582	2.6957980	21	4 27.4	19.2
226804	2004 RB_{213}	15.6	X	155.13302	212.51949	264.02244	14.26577	0.1289927	0.21758975	2.7376447	21	6 26.9	19.8
226805	2004 RS_{216}	15.1	X	349.13620	68.09332	217.87861	24.58092	0.0627554	0.22104047	2.7090780	21	6 18.6	18.9
226806	2004 RV_{216}	15.3	X	264.13887	127.91454	233.12581	13.34513	0.1367164	0.21852769	2.7298057	21	5 22.8	19.3
226807	2004 RB_{217}	15.8	X	3.71181	56.09669	237.79307	12.00192	0.1796083	0.22622344	2.6675403	21	7 26.3	18.6
226808	2004 RC_{217}	15.6	X	209.97497	164.50077	238.78933	12.64720	0.1215232	0.21500663	2.7595281	21	5 20.4	19.8
226809	2004 RA_{222}	16.1	X	282.27915	166.37607	218.79799	2.38462	0.0807408	0.22439304	2.6820269	21	7 25.4	19.5
226810	2004 RL_{222}	15.9	X	145.75481	65.62744	182.84719	10.10888	0.0261382	0.18106985	3.0943680	21	11 24.1	20.5
226811	2004 RB_{225}	16.4	X	216.21678	16.54154	4.23140	4.17199	0.1397869	0.21470911	2.7620767	21	4 26.5	20.7
226812	2004 RN_{226}	15.7	X	333.34934	173.58501	250.19564	1.73974	0.0554403	0.17954322	3.1118838	21	11 25.0	19.7
226813	2004 RA_{227}	15.9	X	233.48724	35.51585	318.76621	3.50614	0.0855923	0.21128605	2.7918291	21	4 13.8	20.2
226814	2004 RM_{230}	15.9	X	193.99527	10.21111	334.86709	1.30873	0.0736800	0.20327906	2.8646679	21	2 22.6	20.2
226815	2004 RC_{231}	16.5	X	114.72210	81.59018	344.96620	1.43844	0.0552633	0.20213787	2.8754397	21	3 3.3	20.5
226816	2004 RE_{235}	15.8	X	215.30474	167.31215	184.61555	21.36123	0.1358526	0.21030279	2.8005244	21	3 22.7	20.3
226817	2004 RP_{239}	16.7	X	247.19105	123.01095	189.23243	4.10174	0.0522176	0.21004433	2.8028212	21	3 11.4	20.7
226818	2004 RM_{245}	16.7	X	195.11014	24.27946	10.16107	6.36670	0.0453385	0.21412613	2.7670878	21	4 23.2	20.7
226819	2004 RH_{254}	16.1	X	278.60973	270.78258	65.37828	5.91496	0.0622095	0.21927149	2.7236289	21	5 18.5	19.6
226820	2004 RR_{254}	15.7	X	245.41082	311.83994	51.70402	8.09308	0.2208648	0.21722807	2.7406827	21	4 29.1	20.1
226821	2004 RE_{259}	16.5	X	197.22282	179.00187	207.65091	3.92977	0.0877819	0.21266745	2.7797263	21	4 17.1	20.5
226822	2004 RV_{285}	16.3	X	228.87880	304.43755	18.24017	4.52514	0.0632114	0.20873684	2.8145133	21	3 5.3	20.5
226823	2004 RA_{287}	16.3	X	300.22654	96.06082	254.87363	5.08269	0.0421138	0.22337738	2.6901506	21	7 9.9	19.8
226824	2004 RW_{287}	15.3	X	61.35439	307.71374	29.45050	7.61073	0.1902215	0.18078430	3.0976254	21	12 22.1	19.9
226825	2004 RN_{295}	16.2	X	51.59354	207.25691	194.80297	3.75008	0.1072815	0.19038667	2.9925748	21	—	—
226826	2004 RC_{307}	15.6	X	279.82034	321.71867	66.07435	10.15129	0.2164236	0.22092031	2.7100603	21	7 5.1	19.3
226827	2004 RM_{315}	16.0	X	227.69726	309.77359	68.73901	10.43010	0.1754081	0.21717126	2.7411606	21	5 5.8	20.5
226828	2004 RR_{321}	15.2	X	326.27667	85.77157	313.74891	4.39325	0.1392752	0.17407393	3.1767295	21	10 8.5	19.0
226829	2004 RW_{323}	15.5	X	192.27125	165.63711	279.20273	8.26142	0.2826137	0.21453515	2.7635696	21	6 21.9	20.5
226830	2004 RH_{324}	16.2	X	183.18303	266.02628	128.03382	4.95345	0.0960588	0.21179226	2.7873788	21	4 14.2	20.5
226831	2004 RS_{324}	15.5	X	207.29726	184.65903	258.37594	8.07024	0.0667978	0.22025437	2.7155201	21	7 9.5	19.5
226832	2004 RA_{333}	15.7	X	205.24047	259.05282	150.66123	13.59639	0.1833330	0.21611495	2.7500853	21	5 25.2	20.5
226833	2004 RU_{334}	15.9	X	268.20723	227.73659	122.25694	8.68581	0.1028797	0.21988436	2.7185656	21	5 20.0	19.8
226834	2004 RL_{336}	16.9	X	256.22924	63.77120	268.21001	2.58565	0.0309739	0.21074004	2.7966493	21	4 18.0	20.7
226835	2004 RJ_{337}	16.5	X	268.20381	106.79287	209.17888	4.77386	0.0535935	0.21080382	2.7960852	21	4 10.1	20.4
226836	2004 SE_{13}	16.2	X	223.78659	312.13318	58.63722	4.96658	0.0862705	0.21483833	2.7609690	21	4 26.3	20.2
226837	2004 SZ_{16}	15.7	X	256.89385	210.63439	96.63343	9.32202	0.2146802	0.21216364	2.7841251	21	3 6.3	20.4
226838	2004 SL_{19}	15.9	X	192.73196	142.54260	288.92358	8.15068	0.1420856	0.21525564	2.7573995	21	6 7.2	20.3
226839	2004 SV_{22}	16.6	X	300.69264	82.73751	226.51218	5.52721	0.0201139	0.21412825	2.7670695	21	5 18.9	20.2
226840	2004 SR_{23}	16.5	X	49.62243	90.02812	35.97026	2.20708	0.0202655	0.20123971	2.8839890	21	2 18.6	20.3
226841	2004 SV_{23}	16.3	X	257.13484	60.52466	192.25885	6.99653	0.0899940	0.19862351	2.9092583	21	1 7.7	20.8
226842	2004 SV_{25}	15.8	X	271.59285	300.27153	23.90896	4.35337	0.2072266	0.21393365	2.7687472	21	4 6.2	19.8
226843	2004 ST_{30}	16.2	X	150.63433	136.08934	187.70588	2.30233	0.1797278	0.19526080	2.9425646	21	—	—
226844	2004 SF_{40}	15.8	X	185.61802	13.65484	28.84796	6.48514	0.0842490	0.21068244	2.7971590	21	4 24.5	20.1
226845	2004 SG_{40}	15.9	X	292.19691	313.33689	32.24956	5.87044	0.0873848	0.21988964	2.7185221	21	6 14.1	19.6
226846	2004 SJ_{45}	16.4	X	223.01531	135.11088	282.24715	1.82137	0.1404983	0.21912015	2.7248829	21	6 19.3	20.6
226847	2004 SM_{45}	15.7	X	197.08522	198.77315	200.24900	13.85875	0.0308766	0.21320319	2.7750677	21	5 4.3	19.7
226848	2004 SB_{46}	16.7	X	58.48062	41.28106	337.16646	1.45895	0.2395188	0.18580249	3.0415971	21	—	—
226849	2004 SX_{46}	16.1	X	190.79664	70.86647	330.39534	3.57049	0.0722764	0.21265035	2.7798753	21	4 27.0	20.2
226850	2004 SH_{47}	16.2	X	190.18355	119.42935	233.91071	4.93685	0.0748612	0.20414120	2.8565967	21	2 26.2	20.5
226851	2004 SO_{50}	15.9	X	248.08952	298.49965	25.00580	3.84833	0.0925427	0.20958208	2.8069410	21	3 24.4	20.1
226852	2004 SC_{57}	16.2	X	226.00391	203.98287	146.38170	5.02861	0.0997410	0.21202723	2.7853191	21	4 3.4	20.5
226853	2004 TD_{2}	16.7	X	168.17298	335.87911	10.42275	2.84253	0.1519078	0.20088972	2.8873376	21	2 3.9	21.3
226854	2004 TN_{4}	15.8	X	283.39637	265.77724	201.99534	3.76444	0.1789698	0.17501871	3.1652868	21	10 25.4	19.7
226855	2004 TR_{11}	16.5	X	145.57848	252.89331	199.72808	4.47132	0.1284785	0.21069523	2.7970458	21	5 19.1	20.7
226856	2004 TX_{11}	16.1	X	191.08753	57.05079	18.53259	4.85047	0.1057478	0.21705212	2.7421636	21	6 10.9	20.4
226857	2004 TU_{13}	16.2	X	220.35652	191.71991	178.12425	2.25491	0.0967048	0.21315147	2.7755166	21	4 20.6	20.4
226858	2004 TY_{13}	15.1	X	45.89806	332.41958	45.86123	10.69344	0.2243201	0.18053789	3.1004434	21	—	—
226859	2004 TZ_{14}	16.0	X	248.07025	265.64387	115.12969	2.49586	0.0878780	0.21821996	2.7323715	21	6 4.8	20.0
226860	2004 TS_{17}	15.8	X	329.74518	75.37364	14.42013	4.73883	0.2331759	0.17867059	3.1220080	21	12 21.9	18.9
226861	Elimaor	15.8	X	283.56366	113.40520	270.41544	5.08104	0.1455396	0.22164437	2.7041550	21	7 15.1	19.2
226862	2004 TE_{38}	16.3	X	237.61947	311.42875	24.86282	6.15514	0.0676407	0.20918817	2.8104636	21	3 30.9	20.3
226863	2004 TK_{38}	15.7	X	229.25790	85.22307	193.89122	8.61550	0.0614427	0.19844204	2.9110316	21	1 11.1	20.2
226864	2004 TC_{39}	16.0	X	262.23991	305.01071	29.17662	6.78235	0.0758409	0.21289630	2.7777339	21	4 23.3	20.0
226865	2004 TT_{40}	16.5	X	38.60447	236.41715	18.37736	2.02235	0.0229593	0.22198378	2.7013979	21	7 22.4	20.0
226866	2004 TH_{41}	15.9	X	243.06029	256.47379	88.15265	4.34273	0.1745957	0.21179186	2.7873823	21	4 8.8	20.3
226867	2004 TU_{46}	16.3	X	180.12789	219.98143	223.03587	3.24636	0.0751258	0.21385167	2.7694548	21	6 9.4	20.4
226868	2004 TP_{48}	16.1	X	300.24259	31.55680	170.00901	2.24934	0.0431758	0.19502055	2.9449808	21	1 1.2	20.2
226869	2004 TK_{56}	16.5	X	242.81357	0.34093	343.87643	3.89593	0.0765938	0.21230614	2.7828791	21	4 12.4	20.6
226870	2004 TD_{60}	16.2	X	183.67305	146.11263	222.83055	1.20800	0.0993656	0.20618924	2.8376493	21	3 12.8	20.6
226871	2004 TO_{73}	16.3	X	189.56433	277.62297	29.38525	2.21301	0.0348879	0.19483964	2.9468034	21	1 3.3	20.6
226872	2004 TX_{75}	15.4	X	66.97303	188.07678	203.95396	11.61402	0.1751233	0.18731514	3.0252003	21	—	—
226873	2004 TU_{78}	16.1	X	184.15863	48.90595	6.83194	5.99320	0.0193454	0.21319333	2.7751533	21	5 6.9	19.9
226874	2004 TP_{81}	16.2	X	67.63468	19.71647	215.04930	6.13008	0.0292023	0.22380790	2.6866996	21	8 2.8	19.9
226875	2004 TR_{83}	16.2	X	231.86660	173.36297	207.03877	4.86744	0.0706033	0.21565209	2.7540190	21	5 18.5	20.1
226876	2004 TB_{85}	16.6	X	137.60875	83.03641	334.59192	0.90630	0.1493503	0.20465297	2.8518325	21	3 29.7	20.8
226877	2004 TD_{93}	16.2	X	161.36281	159.74679	226.79883	1.18968	0.0779612	0.20328332	2.8646279	21	3 9.9	20.4
226878	2004 TD_{94}	16.3	X	229.10394	158.36231	205.91816	5.46024	0.0911250	0.21164122	2.7887048	21	4 23.1	20.5
226879	2004 TG_{97}	16.6	X	49.54797	233.42505	41.78947	2.55307	0.2019789	0.22935940	2.6431695	21	10 2.3	20.0
226880	2004 TY_{107}	16.1	X	185.16211	264.85347	136.93891	4.47901	0.0998973	0.21067340	2.7972390	21	4 25.6	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
226881 2004 TF_{122}	15.6	X	9.13841	189.97063	184.42387	10.91625	0.1076537	0.17704652	3.1410712	21	11 19.4	19.7
226882 2004 TY_{122}	16.4	X	221.54466	282.91309	138.76844	3.50682	0.0822806	0.21931942	2.7232321	21	6 27.7	20.3
226883 2004 TF_{124}	16.0	X	233.06964	115.64260	219.91750	3.23692	0.1038666	0.21054344	2.7983900	21	3 20.6	20.2
226884 2004 TX_{126}	16.1	X	319.95254	239.82120	68.46787	6.40927	0.1105762	0.22006869	2.7170473	21	6 1.0	19.3
226885 2004 TS_{129}	16.1	X	221.81428	332.40410	9.35928	3.94518	0.1081250	0.20961116	2.8066814	21	3 18.3	20.3
226886 2004 TM_{130}	15.7	X	302.92958	285.54009	71.51184	7.76200	0.1016573	0.22350725	2.6891084	21	7 15.2	19.0
226887 2004 TO_{133}	15.0	X	106.75590	280.50295	47.43380	20.19430	0.1990758	0.18505970	3.0497306	21	—	—
226888 2004 TZ_{133}	15.9	X	168.32742	332.05616	73.72829	3.22969	0.0884501	0.20505648	2.8480900	21	4 12.5	20.2
226889 2004 TY_{134}	16.2	X	337.71145	256.68138	46.96899	3.57079	0.0694040	0.22237708	2.6982117	21	6 28.2	19.4
226890 2004 TK_{135}	15.9	X	130.02900	336.10050	46.54315	11.46340	0.1347360	0.19903747	2.9052231	21	2 11.4	20.3
226891 2004 TG_{139}	16.1	X	150.59159	191.11724	271.14471	3.63091	0.0865920	0.21424463	2.7660673	21	6 1.6	20.2
226892 2004 TZ_{143}	16.0	X	139.28271	341.95483	42.02147	2.20538	0.0233274	0.19868648	2.9086435	21	2 5.7	19.9
226893 2004 TQ_{144}	15.3	X	106.49995	1.79040	18.53330	10.48136	0.1204067	0.19186649	2.9771676	21	1 8.1	19.5
226894 2004 TR_{144}	16.6	X	133.76109	95.62150	291.96200	2.05919	0.1450055	0.19768338	2.9184748	21	2 17.4	20.8
226895 2004 TB_{145}	16.2	X	161.58927	352.67197	32.80899	11.17886	0.1348968	0.20201310	2.8766235	21	3 18.2	20.8
226896 2004 TK_{147}	15.9	X	260.35543	110.91937	241.09888	4.13249	0.0688318	0.21531924	2.7568565	21	5 15.0	19.9
226897 2004 TK_{153}	16.7	X	246.80967	298.18085	4.04003	1.53683	0.0579705	0.20545805	2.8443778	21	2 27.7	20.7
226898 2004 TQ_{153}	16.7	X	250.37589	100.85091	213.70297	0.77364	0.0756624	0.20829506	2.8184916	21	3 16.4	20.9
226899 2004 TS_{155}	16.3	X	192.13908	229.63406	183.08343	5.22127	0.0624091	0.21323477	2.7747937	21	5 15.8	20.5
226900 2004 TO_{156}	16.5	X	185.19221	281.43231	138.25899	1.83100	0.0388766	0.21329352	2.7742841	21	5 16.0	20.3
226901 2004 TL_{165}	16.6	X	223.90457	158.43063	219.00052	4.15286	0.0930823	0.21456721	2.7632943	21	5 3.6	20.8
226902 2004 TD_{168}	15.9	X	161.51178	317.64076	90.24862	3.30844	0.0581754	0.20737986	2.8267778	21	4 5.7	20.1
226903 2004 TS_{168}	15.8	X	230.20141	328.15751	43.41733	7.00408	0.0877739	0.21318307	2.7752423	21	5 3.4	20.0
226904 2004 TY_{173}	15.1	X	194.93615	10.37698	19.77595	15.70893	0.1395913	0.20500748	2.8485439	21	4 18.1	19.6
226905 2004 TN_{185}	15.6	X	347.21327	251.88620	11.50265	9.27776	0.1211845	0.21682424	2.7440846	21	5 10.5	18.8
226906 2004 TG_{190}	16.9	X	301.05375	295.72267	24.67796	4.73240	0.0362458	0.21727119	2.7403201	21	5 30.8	20.5
226907 2004 TG_{192}	16.8	X	19.50690	84.10870	155.28785	2.58288	0.0130704	0.21650764	2.7467590	21	6 3.4	20.5
226908 2004 TJ_{192}	16.6	X	13.31090	189.63338	63.62761	2.21585	0.0370447	0.21812316	2.7331797	21	6 13.6	20.1
226909 2004 TC_{196}	16.5	X	244.14133	357.72593	335.71792	1.74899	0.1470002	0.20980716	2.8049332	21	3 26.8	21.0
226910 2004 TF_{196}	16.5	X	254.89550	127.46906	229.66452	3.41679	0.1212392	0.21458846	2.7631119	21	5 9.0	20.5
226911 2004 TF_{198}	16.5	X	325.93721	159.50581	122.38313	0.47420	0.0323197	0.21344244	2.7729936	21	5 15.3	20.2
226912 2004 TG_{200}	16.7	X	69.14618	319.82947	153.02422	2.47134	0.0506681	0.20116531	2.8847000	21	3 1.8	20.4
226913 2004 TN_{201}	15.8	X	221.71402	227.29194	36.10402	13.27725	0.0303504	0.18964935	3.0003262	21	—	—
226914 2004 TC_{202}	16.0	X	295.78681	28.44751	271.83735	3.30494	0.0881680	0.20915250	2.8107831	21	4 18.9	19.8
226915 2004 TZ_{205}	16.5	X	153.65552	310.11831	60.30014	2.16977	0.0900192	0.19725993	2.9226499	21	2 13.5	20.9
226916 2004 TF_{207}	16.1	X	223.23618	262.30931	71.93647	3.07178	0.0689855	0.20275814	2.8695724	21	3 14.0	20.4
226917 2004 TH_{208}	16.1	X	212.81126	43.10487	37.91122	3.78305	0.1723769	0.21706794	2.7420304	21	7 7.8	20.5
226918 2004 TP_{208}	16.0	X	228.68058	3.72496	350.93924	7.55062	0.0495179	0.21144270	2.7904500	21	4 10.7	20.1
226919 2004 TS_{209}	16.6	X	148.78126	19.52657	16.56631	6.67609	0.0739151	0.20441515	2.8540440	21	3 9.7	20.7
226920 2004 TT_{221}	15.4	X	207.44299	316.32235	73.02795	9.09398	0.2332771	0.21184650	2.7869030	21	4 30.5	20.3
226921 2004 TO_{224}	16.5	X	252.83688	64.91456	219.63720	1.36260	0.0306612	0.20422895	2.8557785	21	2 14.6	20.7
226922 2004 TC_{239}	16.7	X	180.39703	154.01554	234.57940	1.14336	0.0800415	0.20599628	2.8394210	21	4 1.8	21.0
226923 2004 TT_{240}	15.4	X	228.78317	119.21994	247.55689	11.80327	0.1954563	0.21262089	2.7801321	21	4 16.8	20.1
226924 2004 TL_{245}	16.1	X	269.25842	277.39798	14.43656	3.92502	0.0702466	0.20816721	2.8196454	21	3 11.4	20.1
226925 2004 TN_{251}	16.8	X	196.66105	131.55113	284.08138	2.49111	0.0674618	0.21460596	2.7629617	21	5 23.0	20.9
226926 2004 TF_{253}	16.4	X	261.26319	180.43943	201.21322	5.17789	0.0580520	0.22030655	2.7150913	21	6 25.9	20.1
226927 2004 TU_{273}	16.5	X	243.04520	164.49859	260.79374	2.52747	0.1575383	0.21949785	2.7217560	21	7 18.6	20.5
226928 2004 TB_{276}	15.9	X	209.13362	118.36116	226.11557	5.55199	0.1053322	0.20320427	2.8653708	21	3 7.2	20.4
226929 2004 TG_{279}	16.0	X	242.01524	128.24828	217.24880	4.60710	0.0774338	0.21420609	2.7663991	21	4 13.7	20.1
226930 2004 TK_{279}	16.2	X	268.45868	148.22139	216.42438	5.54048	0.0406998	0.21904905	2.7254724	21	6 15.4	19.8
226931 2004 TT_{280}	16.0	X	83.50157	135.54180	31.66241	2.78319	0.0760712	0.20946446	2.8079917	21	6 3.0	19.8
226932 2004 TK_{282}	15.7	X	243.50644	262.85223	64.62221	4.61655	0.0963116	0.20938254	2.8087240	21	3 25.5	20.0
226933 2004 TV_{286}	15.7	X	212.30073	343.23583	50.02561	5.93163	0.1701892	0.21234025	2.7825811	21	5 8.5	20.1
226934 2004 TC_{292}	16.8	X	247.47544	291.50962	37.95033	4.12105	0.0948642	0.21037846	2.7998529	21	3 31.1	20.9
226935 2004 TV_{292}	16.6	X	100.31102	258.13110	191.69506	1.62982	0.0366848	0.20371284	2.8605999	21	3 11.1	20.4
226936 2004 TG_{299}	16.0	X	291.00348	53.16385	253.48449	7.30350	0.1261869	0.21411568	2.7671778	21	4 13.7	20.0
226937 2004 TH_{300}	15.4	X	50.81182	113.83235	343.35508	11.27315	0.1321580	0.19324625	2.9629796	21	1 25.5	19.0
226938 2004 TO_{309}	16.2	X	125.87864	98.98410	15.39946	6.23005	0.0073457	0.21278168	2.7787313	21	5 8.2	20.0
226939 2004 TO_{310}	15.2	X	140.37195	69.38129	274.98014	9.26231	0.0865961	0.19247718	2.9708671	21	—	—
226940 2004 TV_{317}	15.5	X	162.06631	94.68206	220.18703	10.71157	0.1369152	0.19312643	2.9642051	21	—	—
226941 2004 TQ_{329}	16.7	X	95.98803	54.71021	157.15356	1.47619	0.0465054	0.22821188	2.6520226	21	8 15.0	20.1
226942 2004 TS_{333}	15.9	X	327.88357	281.74562	213.00674	3.53824	0.0254083	0.18620746	3.0371856	21	—	—
226943 2004 TV_{335}	16.2	X	147.87722	250.00687	61.16127	1.98229	0.1421784	0.18822211	3.0154742	21	—	—
226944 2004 TZ_{344}	15.3	X	138.07938	63.38051	53.21661	12.91937	0.1180618	0.20918908	2.8104555	21	6 7.8	19.6
226945 2004 TK_{355}	15.7	X	104.78872	6.60701	65.00024	10.79015	0.1252560	0.20123736	2.8840114	21	3 13.4	19.8
226946 2004 TN_{355}	15.7	X	258.45196	272.30225	54.84967	13.57908	0.1938752	0.21335963	2.7737110	21	4 4.1	20.2
226947 2004 TU_{358}	16.3	X	211.35341	263.10580	125.22961	4.14003	0.1138718	0.21251683	2.7810396	21	5 4.9	20.7
226948 2004 TU_{366}	15.6	X	332.11775	69.30624	320.19097	9.20628	0.0803105	0.22744718	2.6579635	21	10 13.3	18.8
226949 2004 TU_{367}	16.6	X	296.43330	46.12231	211.78079	5.77220	0.0115423	0.20283022	2.8688925	21	3 8.0	20.5
226950 2004 UJ_{4}	15.4	X	356.74845	94.38758	313.34037	14.03023	0.0958560	0.23750148	2.5824098	21	12 26.4	18.6
226951 2004 VC_{13}	15.7	X	41.46174	316.47325	112.50058	6.53146	0.1472379	0.18616226	3.0376772	21	—	—
226952 2004 VX_{19}	15.8	X	77.18094	48.49858	46.21468	10.92502	0.0935451	0.19782953	2.9170372	21	3 1.4	19.7
226953 2004 VQ_{38}	15.8	X	244.75347	32.62546	232.70318	13.84552	0.2337148	0.19586613	2.9364987	21	1 2.6	21.1
226954 2004 VR_{40}	16.0	X	336.53422	84.97152	58.60124	12.15976	0.0994410	0.18707586	3.0277793	21	—	—
226955 2004 VY_{40}	16.4	X	57.73949	194.07686	223.26917	7.60808	0.0428708	0.18823535	3.0153329	21	—	—
226956 2004 VS_{43}	15.6	X	342.57386	263.94592	211.47535	8.37735	0.1082002	0.18352786	3.0666770	21	—	—
226957 2004 VC_{52}	15.1	X	300.12483	80.51522	65.57369	11.39138	0.0809940	0.18254469	3.0776785	21	—	—
226958 2004 VQ_{55}	15.1	X	142.60677	59.98316	340.95279	4.91127	0.1273545	0.19867944	2.9087123	21	3 12.7	19.5
226959 2004 VX_{64}	15.2	X	24.25902	33.26768	73.06310	15.68083	0.0525284	0.18805532	3.0172570	21	—	—
226960 2004 VX_{71}	16.2	X	71.21119	342.79134	71.01570	6.44504	0.0589010	0.19045641	2.9918443	21	—	—

ELEMENTS AND OPPOSITION DATES IN 2021

ECLIPTIC AND EQUINOX 2000.0, EPOCH 2021 JULY 5.0 TT

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
226961 2004 VO_{72}	15.6	X	20.96275	75.05420	59.22427	4.20070	0.0959029	0.19205941	2.9751737	21	1 22.5	19.3
226962 2004 VY_{73}	16.0	X	225.77301	326.16176	84.93141	6.12317	0.1601960	0.21523153	2.7576054	21	6 12.8	20.4
226963 2004 VX_{80}	15.8	X	205.49962	299.57087	45.16391	10.39253	0.0950776	0.20276926	2.8694675	21	3 11.3	20.3
226964 2004 VC_{83}	16.1	X	238.94120	170.90613	45.28619	3.40422	0.0391262	0.18456113	3.0552204	21	—	—
226965 2004 VE_{88}	16.0	X	285.34113	136.06107	31.47366	8.96960	0.0397654	0.18361586	3.0656971	21	—	—
226966 2004 VM_{94}	16.2	X	250.77685	216.90298	67.74677	3.91968	0.0518526	0.19669382	2.9282551	21	2 13.9	20.5
226967 2004 VF_{96}	16.0	X	214.48986	319.00853	6.14843	5.52243	0.1322495	0.19904462	2.9051535	21	2 21.3	20.7
226968 2004 VV_{101}	15.9	X	289.05506	260.83435	45.58726	5.02934	0.0500990	0.21035167	2.8000905	21	4 25.6	19.8
226969 2004 VB_{107}	16.9	X	137.78981	207.09618	223.55896	7.71264	0.1527580	0.20368450	2.8608652	21	4 14.6	21.4
226970 2004 VS_{111}	15.3	X	122.59256	50.04950	352.00761	11.55118	0.0642765	0.19518858	2.9432904	21	2 15.9	19.4
226971 2004 VH_{112}	15.2	X	32.98259	69.23001	38.07441	11.08381	0.0743514	0.18919568	3.0051206	21	1 7.8	19.2
226972 2004 WV_{1}	15.6	X	292.22835	112.45434	51.55813	1.90413	0.1076513	0.18212102	3.0824497	21	—	—
226973 2004 WZ_{5}	15.7	X	141.63378	181.51684	269.10118	8.06158	0.0981195	0.20638823	2.8358250	21	5 7.6	19.9
226974 2004 XW_{13}	15.0	X	115.79034	247.89001	118.29693	25.63189	0.0818798	0.18891003	3.0081492	21	—	—
226975 2004 XM_{16}	16.5	X	345.14116	278.47986	272.67363	19.30518	0.0743327	0.37021939	1.9208639	21	—	—
226976 2004 XO_{17}	15.8	X	132.58742	346.59338	67.66507	2.86731	0.2165669	0.19709449	2.9242852	21	3 29.7	20.3
226977 2004 XE_{19}	15.1	X	308.45515	230.00687	255.17555	12.51584	0.1424515	0.17687551	3.1430955	21	12 29.3	18.9
226978 2004 XB_{20}	15.3	X	141.07709	123.41230	249.15399	8.38506	0.1383634	0.19302624	2.9652307	21	2 4.5	20.0
226979 2004 XG_{22}	15.6	X	27.49131	209.23867	238.35426	5.24454	0.1378657	0.18357469	3.0661555	21	—	—
226980 2004 XB_{23}	15.2	X	100.22700	288.74876	88.46129	10.54400	0.0800777	0.18586731	3.0408900	21	—	—
226981 2004 XJ_{27}	15.6	X	347.69150	85.93510	67.11446	8.75787	0.2269532	0.18443973	3.0565610	21	—	—
226982 2004 XN_{28}	14.7	X	25.89002	15.80142	79.69724	12.13839	0.1550414	0.18321315	3.0701879	21	—	—
226983 2004 XF_{31}	15.1	X	46.78147	177.44733	277.37327	10.13889	0.1010025	0.18577827	3.0418615	21	1 12.3	18.9
226984 2004 XS_{31}	15.6	X	330.91392	35.17453	78.76027	3.95427	0.1207918	0.17623971	3.1506503	21	—	—
226985 2004 XR_{35}	15.6	X	134.17249	237.87433	174.85913	12.25242	0.2150764	0.19861067	2.9093837	21	3 28.7	20.1
226986 2004 XC_{40}	15.7	X	242.71107	351.18178	75.90887	5.66809	0.0833709	0.21728411	2.7402115	21	7 31.3	19.6
226987 2004 XE_{44}	15.9	X	147.85992	339.66493	57.11876	2.80690	0.0607979	0.19779043	2.9174216	21	3 8.5	20.0
226988 2004 XW_{48}	15.1	X	200.87692	210.30800	31.52343	5.77171	0.1034128	0.17447219	3.1718934	21	—	—
226989 2004 XU_{54}	15.1	X	142.12467	53.77119	261.26420	8.85664	0.0492461	0.18205246	3.0832235	21	—	—
226990 2004 XC_{59}	14.9	X	43.74297	280.81549	92.18120	23.79784	0.1442610	0.17363287	3.1821069	21	—	—
226991 2004 XL_{61}	16.7	X	214.43014	50.41616	270.99549	18.27995	0.0781916	0.37203771	1.9146001	21	1 13.7	19.0
226992 2004 XG_{64}	15.1	X	77.32613	159.50472	277.54422	8.95306	0.0762081	0.19096724	2.9865065	21	1 29.7	19.1
226993 2004 XF_{70}	14.4	X	261.07696	305.61145	265.40973	26.33274	0.1054275	0.18527172	3.0474035	21	—	—
226994 2004 XZ_{70}	15.6	X	345.07530	88.86233	7.98710	3.61016	0.0536095	0.17550918	3.1593870	21	—	—
226995 2004 XL_{74}	15.1	X	104.10256	310.24657	87.71028	13.90068	0.2369421	0.19039083	2.9925313	21	2 14.7	19.5
226996 2004 XS_{74}	15.0	X	29.30531	315.96305	103.94127	19.07479	0.1552416	0.17789020	3.1311320	21	—	—
226997 2004 XA_{77}	15.4	X	223.73888	330.52845	95.48702	5.39596	0.0522591	0.21303650	2.7765151	21	7 8.9	19.3
226998 2004 XW_{78}	15.6	X	90.94845	218.25087	219.09210	2.11953	0.1626416	0.19336865	2.9617291	21	3 2.5	19.5
226999 2004 XZ_{78}	14.9	X	299.20271	126.39058	77.65532	11.21173	0.0491447	0.18752515	3.0229412	21	1 4.1	19.3
227000 2004 XN_{79}	15.9	X	176.88909	302.68981	59.37959	2.76095	0.0772191	0.19630366	2.9321338	21	2 27.6	20.2
227001 2004 XV_{80}	15.1	X	53.14303	164.39715	272.59964	9.37529	0.0999112	0.18582523	3.0413490	21	—	—
227002 2004 XQ_{88}	15.8	X	44.51645	358.77001	50.88347	1.90941	0.1428046	0.18228845	3.0805620	21	—	—
227003 2004 XF_{89}	15.2	X	110.93250	268.09002	44.96794	8.66307	0.0371801	0.17698348	3.1418170	21	12 29.9	19.9
227004 2004 XA_{97}	15.4	X	192.73129	297.64321	78.96789	8.98578	0.1023706	0.19830955	2.9123281	21	4 6.0	20.0
227005 2004 XR_{100}	16.0	X	337.95853	61.50462	51.63155	2.80036	0.1831210	0.17876106	3.1209544	21	—	—
227006 2004 XC_{102}	15.6	X	306.94019	110.83153	31.57628	19.62693	0.2022048	0.17511178	3.1641651	21	—	—
227007 2004 XO_{114}	15.0	X	308.95880	58.33011	106.35579	12.15256	0.0570111	0.17912204	3.1167601	21	—	—
227008 2004 XZ_{115}	15.6	X	80.48232	0.41512	327.95861	4.85630	0.1163493	0.17503774	3.1650574	21	12 22.6	20.3
227009 2004 XF_{121}	14.8	X	333.36092	196.88369	283.04359	15.09127	0.0760749	0.17709853	3.1404562	21	—	—
227010 2004 XD_{124}	15.2	X	354.28612	138.97509	346.70340	16.58575	0.2123231	0.18258870	3.0771839	21	—	—
227011 2004 XY_{125}	15.4	X	27.93230	48.52636	53.23298	18.16086	0.1781754	0.18301650	3.0723868	21	—	—
227012 2004 XJ_{129}	15.0	X	320.67730	94.33074	67.00585	11.50504	0.1560594	0.17928894	3.1148255	21	—	—
227013 2004 XP_{132}	15.5	X	239.16564	313.00292	88.50486	10.90823	0.2121703	0.21680691	2.7442308	21	6 9.8	19.9
227014 2004 XU_{133}	15.3	X	99.92725	141.05910	291.13547	6.82653	0.0377111	0.19591316	2.9360288	21	2 16.1	19.3
227015 2004 XN_{135}	15.3	X	53.86692	38.00768	21.33986	4.08472	0.1269753	0.18461403	3.0546368	21	—	—
227016 2004 XC_{137}	15.2	X	113.40641	281.95407	59.39167	12.57466	0.1294074	0.18323060	3.0699930	21	—	—
227017 2004 XM_{137}	14.9	X	105.58429	29.47066	48.71386	13.97901	0.1257717	0.19343841	2.9610170	21	3 24.6	19.2
227018 2004 XZ_{142}	15.6	X	31.90296	21.92536	17.22013	5.25535	0.1232105	0.17895622	3.1186850	21	—	—
227019 2004 XN_{149}	16.0	X	351.50527	68.13089	51.27024	2.09072	0.1428008	0.17943404	3.1131460	21	—	—
227020 2004 XS_{155}	15.4	X	85.06351	82.89079	104.57306	14.69317	0.1015201	0.20510118	2.8476762	21	7 6.7	19.1
227021 2004 XA_{168}	15.1	X	213.81474	136.50028	85.21336	6.30241	0.1300205	0.17382810	3.1797238	21	12 25.1	19.8
227022 2004 XG_{177}	15.7	X	200.98322	188.74939	47.39255	2.53864	0.0107961	0.17386381	3.1792884	21	—	—
227023 2004 XG_{180}	15.3	X	16.39782	164.84247	284.25486	11.26752	0.1121376	0.18085600	3.0968067	21	—	—
227024 2004 YC_{1}	15.0	X	329.10804	99.57538	53.98723	27.10891	0.1542273	0.17720933	3.1391471	21	—	—
227025 2004 YK_{24}	16.2	X	78.19753	198.63069	292.55208	2.55893	0.1067732	0.19533660	2.9418034	21	4 13.8	20.1
227026 2004 YA_{26}	15.5	X	48.28215	135.48011	289.68033	7.90971	0.0456423	0.17934985	3.1141202	21	—	—
227027 2004 YZ_{30}	14.7	X	62.76070	264.98990	100.84934	24.01809	0.1138558	0.17938867	3.1136709	21	—	—
227028 2005 AD_{10}	17.0	X	277.03520	284.48677	303.31638	17.27236	0.0617172	0.36373441	1.9436279	21	—	—
227029 2005 AB_{15}	15.6	X	349.83246	93.63994	13.53604	3.38152	0.1487455	0.17626211	3.1503834	21	—	—
227030 2005 AO_{16}	15.4	X	348.33364	17.22354	116.82334	3.09424	0.0643046	0.18122704	3.0925784	21	—	—
227031 2005 AW_{22}	15.6	X	358.75104	138.01253	324.37090	10.41143	0.1871520	0.17866253	3.1221018	21	—	—
227032 2005 AU_{25}	16.0	X	168.81745	124.85594	279.64356	7.58972	0.2213019	0.20010135	2.8949165	21	4 13.5	21.1
227033 2005 AM_{26}	15.6	X	2.14288	29.80068	71.69193	6.29514	0.1064097	0.17837201	3.1254909	21	—	—
227034 2005 AK_{27}	17.0	X	11.01871	57.81716	118.72470	24.95777	0.0218286	0.37177765	1.9154928	21	1 26.5	18.5
227035 2005 AG_{35}	15.2	X	355.61148	313.17770	127.63169	8.55757	0.1321442	0.17576569	3.1563124	21	—	—
227036 2005 AR_{45}	17.3	X	168.42971	33.78510	298.62672	16.82594	0.0801507	0.36342010	1.9447484	21	—	—
227037 2005 AX_{51}	15.4	X	8.12415	321.36962	88.39172	6.00201	0.1354229	0.17133906	3.2104442	21	12 31.6	19.5
227038 2005 AU_{54}	14.8	X	204.27543	173.43274	32.47571	13.88517	0.0496602	0.16878594	3.2427380	21	12 1.4	19.8
227039 2005 AU_{73}	16.0	X	347.69942	68.58769	32.66746	0.99368	0.1372476	0.17477347	3.1682471	21	—	—
227040 2005 AZ_{81}	15.7	X	336.23074	103.53163	57.86821	15.38982	0.2395608	0.17945043	3.1129564	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
227041 2005 AL_{82}	16.0	X	355.40389	296.16133	152.50462	6.32021	0.1543909	0.17404244	3.1771126	21	—	—
227042 2005 BO_{2}	17.6	X	104.14167	76.04141	0.58808	20.89383	0.0795895	0.36896400	1.9252186	21	2 11.2	19.6
227043 2005 BF_{18}	14.9	X	18.69261	281.95651	104.19849	19.54956	0.2280972	0.17166088	3.2064305	21	12 31.2	18.9
227044 2005 BU_{23}	14.9	X	27.78530	101.69213	316.05965	15.74900	0.1381607	0.17635798	3.1492415	21	—	—
227045 2005 BZ_{27}	17.3	X	81.88215	260.50585	146.87791	23.74846	0.0994024	0.36030484	1.9559420	21	—	—
227046 2005 BE_{29}	15.2	X	326.56630	127.32494	4.74921	8.33041	0.1706837	0.17461458	3.1701688	21	—	—
227047 2005 CH	15.5	X	359.88437	28.99335	81.04409	5.79960	0.1438324	0.17722031	3.1390174	21	—	—
227048 2005 CQ_{4}	16.1	X	346.95017	140.18979	331.21558	7.18155	0.2318235	0.17504272	3.1649973	21	—	—
227049 2005 CN_{7}	15.3	X	335.33647	271.07755	206.87458	24.44523	0.3170654	0.17464516	3.1697986	21	—	—
227050 2005 CB_{22}	15.7	X	20.85517	120.68165	59.86648	4.50585	0.1686608	0.18843810	3.0131696	21	3 25.4	19.0
227051 2005 CY_{25}	15.0	X	226.84917	186.10475	96.57142	12.43266	0.1022267	0.18025844	3.1036470	21	1 16.6	19.8
227052 2005 CK_{45}	16.9	X	30.05085	114.46379	120.66329	5.17207	0.1518083	0.25711425	2.4493562	21	6 23.2	19.2
227053 2005 CP_{76}	15.4	X	354.04924	257.91606	208.35771	7.98173	0.1492978	0.17568737	3.1572504	21	—	—
227054 2005 EH_{38}	17.2	X	119.41222	359.95305	21.96535	20.47713	0.1041265	0.35924022	1.9598045	21	—	—
227055 2005 EE_{39}	15.6	X	348.25844	307.04412	176.97804	14.05475	0.2598754	0.17525108	3.1624882	21	—	—
227056 2005 EJ_{45}	15.9	X	345.26798	288.16024	193.35600	1.07441	0.1511306	0.17438356	3.1729680	21	—	—
227057 2005 ER_{93}	15.0	X	346.82931	95.09971	116.91801	14.77711	0.2186577	0.18135063	3.0911732	21	3 1.2	18.6
227058 2005 EA_{119}	15.0	X	0.00627	223.51461	292.88599	5.22926	0.0977598	0.17792786	3.1306900	21	1 20.8	18.9
227059 2005 EW_{153}	16.9	X	127.33562	12.42016	51.07243	23.85891	0.0982303	0.36612574	1.9351555	21	3 12.8	19.6
227060 2005 EB_{202}	15.5	X	342.05658	59.38443	49.65114	26.92874	0.2383579	0.17236853	3.1976486	21	—	—
227061 2005 EK_{209}	14.8	X	30.09968	146.88884	313.85520	27.08043	0.1507340	0.17885043	3.1199148	21	1 1.9	18.7
227062 2005 EX_{262}	14.5	X	351.78622	303.61178	291.61430	2.44136	0.1106131	0.12733423	3.9129647	21	4 22.6	19.5
227063 2005 EM_{291}	15.4	X	12.85235	110.85246	59.26213	5.98447	0.1051995	0.18081814	3.0972390	21	2 28.9	19.2
227064 2005 FB_{7}	15.0	X	311.45674	116.70337	94.80399	11.77104	0.0813803	0.17551318	3.1593389	21	1 26.8	19.4
227065 Romandia	14.4	X	333.69187	178.56167	61.28303	4.26944	0.0975371	0.12551098	3.9507684	21	4 5.9	19.7
227066 2005 GB_{26}	17.7	X	299.75257	293.90420	44.13360	1.61453	0.1909708	0.31319019	2.1474873	21	5 23.7	20.0
227067 2005 GC_{32}	17.5	X	270.76036	283.94076	1.84463	4.97218	0.1226031	0.30209565	2.1997487	21	2 14.6	20.6
227068 2005 GX_{92}	17.7	X	21.31463	205.94036	39.01985	6.81019	0.1686795	0.31146345	2.1554171	21	6 19.2	19.0
227069 2005 GK_{180}	17.3	X	284.76174	118.98703	73.06651	23.52621	0.0594945	0.34995894	1.9943038	21	—	—
227070 2005 HV_{1}	17.2	X	190.72972	231.14628	53.36061	6.55394	0.2134263	0.28300410	2.2975990	21	—	—
227071 2005 JF_{42}	17.3	X	146.51039	236.13899	71.75716	3.20283	0.2231553	0.27835381	2.3231180	21	—	—
227072 2005 JV_{43}	17.3	X	297.18386	263.10294	53.47754	5.51693	0.1748065	0.30658647	2.1782149	21	4 22.3	19.8
227073 2005 JO_{73}	17.3	X	291.73480	107.60170	208.06298	5.66635	0.1402622	0.30548601	2.1834429	21	4 17.9	19.7
227074 2005 JG_{89}	14.5	X	87.30966	121.06334	27.24571	2.88461	0.1485422	0.12572745	3.9462322	21	5 29.1	20.0
227075 2005 JQ_{104}	17.6	X	192.50052	65.57608	227.63581	2.48592	0.2201826	0.28353454	2.2947325	21	—	—
227076 2005 JT_{144}	17.8	X	271.69721	232.92281	102.76895	2.49900	0.2039687	0.30268495	2.1968926	21	4 14.5	20.9
227077 2005 LT_{18}	13.2	X	5.56945	184.12876	202.74172	12.14581	0.0871424	0.08401911	5.1627844	21	11 9.7	19.7
227078 2005 LZ_{18}	13.4	X	347.91936	192.19623	217.93413	16.37549	0.0672530	0.08521516	5.1143621	21	11 11.9	19.9
227079 2005 LD_{20}	18.0	X	234.29590	92.67854	210.24319	9.08137	0.1454908	0.29225291	2.2488655	21	1 26.5	21.5
227080 2005 LK_{30}	17.5	X	324.14201	351.35787	279.39079	7.62393	0.1225311	0.29932403	2.2133070	21	3 29.9	20.0
227081 2005 LM_{32}	16.9	X	185.79765	43.60930	210.09636	6.26972	0.1050768	0.27775141	2.3264758	21	—	—
227082 2005 LY_{49}	13.4	X	24.11095	166.44196	191.47821	14.18118	0.0975163	0.08136904	5.2742807	21	11 2.7	20.0
227083 2005 LV_{51}	17.9	X	289.74599	69.08944	179.74406	0.99487	0.1594712	0.29072355	2.2567454	21	1 14.6	21.2
227084 2005 LA_{53}	17.5	X	71.10595	57.49313	269.17520	0.44573	0.1828746	0.26127710	2.4232701	21	—	—
227085 2005 MZ	17.6	X	155.99476	18.93617	297.47024	0.64413	0.1979398	0.27322661	2.3520906	21	—	—
227086 2005 MY_{2}	17.4	X	207.36368	34.40673	248.90500	2.48759	0.2260261	0.27956553	2.3164004	21	—	—
227087 2005 ME_{8}	17.0	X	330.32972	300.77902	286.80452	7.05893	0.0412819	0.29119602	2.2543037	21	2 20.9	19.7
227088 2005 MJ_{9}	17.7	X	83.51489	356.84621	217.85889	2.68684	0.0924625	0.30996305	2.1623672	21	8 12.5	20.2
227089 2005 MX_{10}	17.8	X	276.43050	211.40843	105.52725	5.30747	0.1775502	0.30060177	2.2070306	21	3 30.2	20.8
227090 2005 MU_{17}	17.3	X	120.19699	236.66873	127.28940	3.33926	0.2208142	0.27446518	2.3450092	21	—	—
227091 2005 MC_{21}	17.6	X	270.79352	120.33213	162.05939	3.51605	0.1692437	0.29064417	2.2571564	21	2 5.9	20.8
227092 2005 MM_{21}	16.9	X	117.73550	108.34518	272.13469	1.24949	0.2260717	0.27565359	2.3382644	21	1 18.0	19.4
227093 2005 MZ_{25}	17.4	X	180.03265	176.60949	137.73065	3.17359	0.1819041	0.28009713	2.3134686	21	—	—
227094 2005 MF_{30}	17.1	X	236.90089	85.79710	233.09977	3.45559	0.1605828	0.28917225	2.2648093	21	2 19.3	20.6
227095 2005 MR_{36}	17.8	X	276.28274	177.31960	107.52799	4.97517	0.1701873	0.29239009	2.2481621	21	2 16.1	20.9
227096 2005 MU_{36}	17.7	X	108.76430	100.00104	91.29432	2.58105	0.0764621	0.30967617	2.1637024	21	8 12.6	20.3
227097 2005 MV_{36}	17.4	X	121.31419	5.47046	330.30981	1.71755	0.2319109	0.27138421	2.3627240	21	—	—
227098 2005 MU_{42}	17.4	X	199.09511	21.05109	261.19569	1.42445	0.1889563	0.27813497	2.3243364	21	—	—
227099 2005 MR_{49}	17.8	X	107.72937	235.79004	137.61023	1.71836	0.1915794	0.27437034	2.3455495	21	—	—
227100 2005 MM_{50}	17.2	X	97.31233	253.49691	132.74261	5.26071	0.2201761	0.27314647	2.3525507	21	—	—
227101 2005 NW_{13}	17.6	X	178.52400	105.91431	171.74446	2.52638	0.2188467	0.27216718	2.3581905	21	—	—
227102 2005 NH_{20}	16.9	X	195.77682	81.79245	237.40013	5.34244	0.1558789	0.28301703	2.2975290	21	1 13.9	20.5
227103 2005 NX_{24}	16.7	X	338.26261	155.64018	219.81246	5.19362	0.2242523	0.25100865	2.4889161	21	10 14.2	18.2
227104 2005 NO_{26}	17.1	X	263.46258	73.76031	229.77200	2.72252	0.1412059	0.29315296	2.2442601	21	2 26.8	20.2
227105 2005 NW_{28}	17.2	X	168.35918	165.12069	179.57706	3.69137	0.2054159	0.28009552	2.3134774	21	1 24.2	20.8
227106 2005 NL_{35}	16.9	X	205.15150	20.03988	301.82421	7.05961	0.1740439	0.28458790	2.2890666	21	1 27.3	20.3
227107 2005 ND_{36}	17.7	X	293.93730	165.97855	131.64942	3.26205	0.1862013	0.29626201	2.2285313	21	3 22.0	20.5
227108 2005 NH_{36}	17.3	X	89.07360	243.91242	139.51661	4.18273	0.2421381	0.27052243	2.3677392	21	—	—
227109 2005 ND_{43}	17.7	X	260.05393	102.55455	195.26912	3.63046	0.1449986	0.29092941	2.2556807	21	2 16.0	20.9
227110 2005 NT_{48}	17.5	X	124.64540	275.75292	101.78266	3.61655	0.1818049	0.27794367	2.3254028	21	1 16.3	20.0
227111 2005 NH_{52}	17.2	X	238.25263	307.69907	318.15986	4.44220	0.2450645	0.28367928	2.2939519	21	—	—
227112 2005 NG_{54}	17.8	X	180.23157	167.42885	211.07387	2.35055	0.1536045	0.28765645	2.2727586	21	3 14.5	21.2
227113 2005 NM_{55}	17.1	X	139.13946	3.63893	323.10974	7.65696	0.2730350	0.27384550	2.3485455	21	—	—
227114 2005 NP_{57}	17.3	X	82.18191	257.26564	122.17357	4.96934	0.1734614	0.26967669	2.3726869	21	—	—
227115 2005 NW_{61}	17.6	X	97.67834	270.58257	122.61632	3.25299	0.1829642	0.27476463	2.3433050	21	—	—
227116 2005 NM_{64}	17.3	X	16.72552	350.78251	201.31537	3.05488	0.0849751	0.29365304	2.2417115	21	3 11.9	19.4
227117 2005 NU_{64}	17.1	X	174.27778	103.82722	199.07729	2.56655	0.1624750	0.27681730	2.3317066	21	—	—
227118 2005 NL_{77}	17.1	X	243.66128	81.51359	215.93421	5.09284	0.0351314	0.28694659	2.2765053	21	2 3.8	20.2
227119 2005 ND_{85}	16.7	X	80.90415	181.20772	176.57850	8.12410	0.1935388	0.26723521	2.3871164	21	—	—
227120 2005 NE_{85}	15.9	X	30.84172	99.50717	213.18512	13.29024	0.2071387	0.25173792	2.4841070	21	10 29.5	18.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
227121 2005 NA_{122}	16.7	X	69.19931	358.22383	11.67168	6.50173	0.1429282	0.26544452	2.3978400	21	—	—
227122 2005 NW_{122}	16.5	X	127.49116	248.63169	102.81217	7.50863	0.1686945	0.27407686	2.3472236	21	—	—
227123 2005 NR_{123}	17.3	X	55.82907	113.22414	279.66444	2.42298	0.1300930	0.26543927	2.3978716	21	—	—
227124 2005 OE_{2}	16.9	X	62.24451	268.82582	81.19863	5.40681	0.3150533	0.26207231	2.4183656	21	—	—
227125 2005 ON_{3}	16.8	X	169.57479	232.81707	85.59630	4.95278	0.2582958	0.27788157	2.3257492	21	—	—
227126 2005 OP_{4}	16.7	X	155.46572	305.58289	57.37030	5.95650	0.2879883	0.27842640	2.3227142	21	2 15.0	20.5
227127 2005 OB_{6}	16.1	X	5.40029	307.91556	333.22141	14.84239	0.1035292	0.24189789	2.5510247	21	7 16.6	19.0
227128 2005 OJ_{7}	16.9	X	185.94676	209.58772	83.69511	3.73004	0.2048197	0.27572656	2.3378518	21	—	—
227129 2005 OE_{9}	17.0	X	154.57228	316.58751	356.39985	5.05089	0.2352985	0.27380651	2.3487684	21	—	—
227130 2005 OT_{9}	17.1	X	268.11705	298.60264	11.55510	3.93695	0.1128844	0.29266142	2.2467723	21	3 17.5	19.9
227131 2005 OB_{10}	17.5	X	152.40120	214.99505	94.66090	2.44525	0.1982040	0.27273641	2.3549081	21	—	—
227132 2005 OJ_{10}	16.9	X	172.85700	326.86496	358.88864	5.43365	0.1169725	0.27792617	2.3255004	21	—	—
227133 2005 OR_{11}	16.7	X	157.28415	185.99151	144.92414	10.55196	0.1732815	0.27618401	2.3352696	21	—	—
227134 2005 OR_{12}	16.8	X	115.98328	13.15553	0.68693	5.16796	0.1593218	0.27299785	2.3534044	21	—	—
227135 2005 OE_{13}	16.8	X	109.76599	294.54904	72.25824	4.70863	0.1494775	0.27101635	2.3648616	21	—	—
227136 2005 OL_{14}	17.2	X	160.74741	332.48881	324.88259	2.10891	0.2228456	0.27358513	2.3500353	21	—	—
227137 2005 OE_{15}	16.8	X	156.97706	331.57515	21.20354	2.77076	0.2244976	0.27955702	2.3164474	21	1 27.0	20.1
227138 2005 OH_{15}	16.9	X	322.15249	250.38334	28.11940	7.62044	0.1251196	0.29887908	2.2155031	21	4 12.4	19.2
227139 2005 OG_{26}	17.2	X	221.03014	158.06865	156.47289	3.77182	0.2507623	0.28511417	2.2862489	21	2 1.4	21.2
227140 2005 OT_{27}	17.1	X	163.28623	265.58121	89.24761	3.05731	0.1408977	0.27954706	2.3165024	21	1 27.1	20.2
227141 2005 PJ	17.4	X	92.04241	306.70720	55.29543	2.23010	0.2042124	0.27053907	2.3676421	21	—	—
227142 2005 PL_{1}	17.2	X	53.94138	9.35327	14.69365	2.18975	0.2151097	0.26426723	2.4049562	21	—	—
227143 2005 PT_{1}	16.8	X	119.00494	15.41293	343.48084	7.04804	0.2172411	0.27210742	2.3585357	21	—	—
227144 2005 PG_{2}	16.9	X	240.05490	65.50959	253.64704	4.48278	0.1852462	0.28852883	2.2681751	21	2 21.2	20.6
227145 2005 PX_{2}	17.3	X	159.74783	335.28266	331.17366	5.73294	0.2416227	0.27418744	2.3465925	21	—	—
227146 2005 PB_{3}	17.4	X	147.28181	158.60178	148.48840	2.94753	0.2046065	0.27171010	2.3608344	21	—	—
227147 2005 PW_{5}	17.3	X	97.79941	48.16259	290.60583	3.53483	0.1945496	0.26653575	2.3912908	21	—	—
227148 2005 PW_{10}	17.2	X	53.46939	353.45379	59.14922	3.20729	0.2037794	0.26801594	2.3824784	21	—	—
227149 2005 PE_{14}	17.3	X	153.58569	229.19133	107.26968	2.88093	0.1942569	0.27549387	2.3391680	21	—	—
227150 2005 PM_{15}	17.5	X	84.47065	210.52630	109.68266	1.91775	0.2409010	0.26193393	2.4192173	21	—	—
227151 Desargues	17.6	X	139.21008	4.09012	307.25212	0.55417	0.1914110	0.27082774	2.3659594	21	—	—
227152 2005 PJ_{20}	17.5	X	99.26047	187.38210	156.17020	3.82527	0.2031092	0.26772687	2.3841930	21	—	—
227153 2005 PQ_{23}	16.1	X	226.43094	12.73870	251.57780	12.20742	0.1744253	0.27613820	2.3355279	21	—	—
227154 2005 QQ_{1}	17.7	X	137.77687	101.59373	201.08496	1.88866	0.2205815	0.26956989	2.3733136	21	—	—
227155 2005 QD_{6}	17.2	X	196.66689	2.66206	298.48749	1.61458	0.2356511	0.27858918	2.3218093	21	—	—
227156 2005 QY_{8}	17.2	X	122.73847	189.85928	142.68008	2.70080	0.2198020	0.26886512	2.3774592	21	—	—
227157 2005 QR_{10}	16.6	X	76.11576	10.36705	342.78820	7.73146	0.2431751	0.26249485	2.4157697	21	—	—
227158 2005 QW_{11}	16.8	X	104.73837	216.69423	117.57872	6.22726	0.2497988	0.26747831	2.3856698	21	—	—
227159 2005 QZ_{11}	16.3	X	320.62071	66.13540	282.24293	4.53929	0.0841902	0.24417697	2.5351262	21	8 1.8	19.2
227160 2005 QP_{13}	17.1	X	103.19612	191.36990	159.52046	5.66590	0.1324625	0.26804387	2.3823129	21	—	—
227161 2005 QT_{13}	17.0	X	122.71553	168.56041	159.15229	9.98878	0.1807905	0.26858578	2.3791073	21	—	—
227162 2005 QH_{15}	17.5	X	85.39598	76.49450	260.62222	1.12450	0.2188176	0.26327747	2.4109799	21	—	—
227163 2005 QE_{18}	17.2	X	40.57612	224.25136	155.49928	5.28203	0.2081675	0.25910999	2.4367629	21	—	—
227164 2005 QX_{23}	17.7	X	54.81922	314.87131	24.07106	2.78175	0.2181047	0.25706132	2.4496925	21	—	—
227165 2005 QK_{35}	16.6	X	106.49876	21.16173	356.83115	8.04686	0.1199535	0.27128134	2.3633213	21	—	—
227166 2005 QD_{36}	17.2	X	138.64592	171.19161	146.20041	2.41764	0.1901869	0.26898515	2.3767519	21	—	—
227167 2005 QJ_{36}	16.9	X	105.37582	337.19055	358.85207	5.62603	0.2451414	0.26573222	2.3961090	21	—	—
227168 2005 QL_{36}	17.3	X	146.39961	159.18725	156.96705	2.60224	0.1915928	0.27005393	2.3704768	21	—	—
227169 2005 QB_{37}	16.4	X	119.50530	30.91815	299.36194	3.99549	0.2142005	0.26722904	2.3871531	21	—	—
227170 2005 QQ_{38}	17.0	X	73.43856	237.79773	137.35359	4.68881	0.1451719	0.26649023	2.3915631	21	—	—
227171 2005 QF_{41}	16.1	X	246.84111	20.72642	328.65992	10.79255	0.1574712	0.22976612	2.6400494	21	4 10.9	20.4
227172 2005 QP_{41}	17.2	X	120.21307	147.30152	198.64350	4.78758	0.1669750	0.26976621	2.3721620	21	—	—
227173 2005 QT_{41}	17.0	X	198.48552	94.26506	193.57280	5.70303	0.1552603	0.27587705	2.3370016	21	—	—
227174 2005 QU_{41}	17.3	X	248.94786	34.80214	252.73430	2.42407	0.2240591	0.28559144	2.2837011	21	1 21.6	21.1
227175 2005 QP_{42}	17.0	X	92.13157	246.76431	127.59601	2.16442	0.1983934	0.26824526	2.3811203	21	—	—
227176 2005 QW_{43}	17.1	X	246.43859	145.92097	129.07872	3.75927	0.2043021	0.28362441	2.2942478	21	1 5.6	21.0
227177 2005 QY_{45}	17.0	X	50.05008	298.80242	150.15582	7.35447	0.0623188	0.27418530	2.3466047	21	—	—
227178 2005 QX_{46}	16.7	X	98.27235	276.93045	87.56922	2.40537	0.1826859	0.26821296	2.3813115	21	—	—
227179 2005 QL_{48}	17.0	X	90.28443	256.70500	67.53376	2.98823	0.2062748	0.26214426	2.4179231	21	—	—
227180 2005 QU_{49}	16.7	X	97.56448	288.98123	71.05947	4.31730	0.1951147	0.26707222	2.3880875	21	—	—
227181 2005 QU_{50}	17.2	X	217.13473	248.12148	46.57911	2.81900	0.2064595	0.27976130	2.3153197	21	1 6.6	20.9
227182 2005 QW_{52}	17.4	X	140.68178	305.18577	39.08442	1.36663	0.2333760	0.27456494	2.3444411	21	—	—
227183 2005 QG_{54}	17.3	X	127.55830	113.03075	204.21743	1.47959	0.2009106	0.26810346	2.3819598	21	—	—
227184 2005 QZ_{54}	17.4	X	131.89647	234.23019	100.21956	2.48591	0.2015950	0.27109355	2.3644126	21	—	—
227185 2005 QL_{55}	17.0	X	71.48601	327.16479	33.02844	3.53391	0.1861279	0.26285989	2.4135326	21	—	—
227186 2005 QV_{55}	17.1	X	80.08885	355.50472	351.67606	2.54997	0.2090397	0.26244583	2.4160705	21	—	—
227187 2005 QL_{57}	17.1	X	94.04307	69.36670	251.90630	1.60297	0.2072282	0.26339687	2.4102512	21	—	—
227188 2005 QH_{60}	16.6	X	89.08980	327.81971	50.10389	7.58789	0.1293182	0.26905007	2.3763695	21	—	—
227189 2005 QS_{67}	17.4	X	68.81574	68.36839	18.17293	2.81373	0.1711262	0.27420643	2.3464842	21	1 20.3	19.2
227190 2005 QA_{68}	17.0	X	259.18853	239.96327	49.56112	4.49662	0.2575609	0.28938343	2.2637073	21	2 1.3	20.8
227191 2005 QZ_{68}	16.4	X	126.87834	244.14466	96.30128	9.66976	0.1212734	0.27099309	2.3649969	21	—	—
227192 2005 QT_{69}	17.0	X	299.70030	57.99287	222.56888	1.60502	0.1572637	0.29295119	2.2452905	21	3 8.2	19.7
227193 2005 QS_{70}	16.9	X	62.95027	250.86721	164.01763	2.24465	0.2055358	0.26764932	2.3846535	21	—	—
227194 2005 QE_{72}	17.1	X	162.23666	344.76689	319.30780	0.79884	0.2003616	0.27198841	2.3592237	21	—	—
227195 2005 QT_{74}	17.2	X	55.62641	223.50971	179.97999	8.03006	0.2146043	0.26452740	2.4033791	21	—	—
227196 2005 QW_{76}	16.5	X	300.18057	358.06621	25.13361	6.02515	0.0870768	0.24509730	2.5287760	21	8 22.6	19.5
227197 2005 QK_{78}	16.8	X	46.58485	156.63778	315.73022	2.84193	0.1087617	0.27583038	2.3372652	21	1 10.7	18.9
227198 2005 QG_{82}	16.8	X	108.59718	260.25750	141.03176	7.12331	0.1153070	0.27656139	2.3331448	21	1 14.7	19.5
227199 2005 QS_{95}	17.7	X	114.31953	24.10403	70.79877	2.15711	0.1474578	0.28638834	2.2794627	21	4 12.6	20.5
227200 2005 QQ_{97}	16.8	X	140.62020	237.69726	108.98645	3.74229	0.1835350	0.27396139	2.3478831	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
227201 2005 QY_{103}	17.2	X	63.95080	231.36971	193.14740	5.52010	0.2215206	0.26965426	2.3728186	21	—	—
227202 2005 QG_{107}	16.7	X	247.05428	252.39078	33.53772	6.63059	0.1406037	0.28367291	2.2939862	21	1 23.6	20.3
227203 2005 QY_{111}	17.3	X	81.52063	258.28442	187.75933	2.77399	0.0878606	0.27795406	2.3253449	21	1 30.5	19.7
227204 2005 QZ_{119}	18.0	X	29.09508	69.24657	335.60225	0.94911	0.1574571	0.26272318	2.4143698	21	—	—
227205 2005 QM_{139}	17.3	X	184.33318	276.95728	21.01024	2.39186	0.2025666	0.27464062	2.3440104	21	—	—
227206 2005 QC_{145}	16.8	X	349.89198	285.31184	120.11610	7.25564	0.2262440	0.25373024	2.4710862	21	12 31.8	19.0
227207 2005 QK_{145}	16.7	X	105.17546	262.66547	71.91102	5.72717	0.2438235	0.26571204	2.3962303	21	—	—
227208 2005 QD_{148}	16.8	X	140.74077	349.13790	50.80547	7.05140	0.1229150	0.28167723	2.3048087	21	3 1.9	19.9
227209 2005 QC_{150}	17.0	X	66.50149	294.46227	114.13957	3.11592	0.1623766	0.26722224	2.3871937	21	—	—
227210 2005 QH_{152}	16.5	X	135.42081	332.76141	339.14410	5.69617	0.1534046	0.26756556	2.3851512	21	—	—
227211 2005 QB_{156}	16.0	X	343.24255	112.46201	294.20160	13.61999	0.1625064	0.25234322	2.4801329	21	12 11.5	18.6
227212 2005 QN_{159}	16.6	X	151.47881	263.06717	75.80673	4.38882	0.0789538	0.27501119	2.3419042	21	—	—
227213 2005 QP_{164}	16.4	X	201.06329	276.35115	4.57379	11.60231	0.2133453	0.27504813	2.3416946	21	—	—
227214 2005 QU_{177}	17.0	X	88.01989	238.00203	97.08403	3.68107	0.1905238	0.26151708	2.4217873	21	—	—
227215 2005 QK_{178}	17.0	X	88.47467	338.08246	39.93962	6.94877	0.1509657	0.26750386	2.3855179	21	—	—
227216 2005 QA_{179}	17.0	X	65.67413	69.07717	336.16875	3.20922	0.1313437	0.26902586	2.3765121	21	—	—
227217 2005 QR_{182}	17.6	X	191.14848	201.19367	257.20297	1.82717	0.1004460	0.29894609	2.2151721	21	7 11.4	20.6
227218 Rényi	17.3	X	121.05254	311.14891	18.37622	1.39220	0.2004107	0.26803897	2.3823419	21	—	—
227219 2005 RZ_{4}	17.2	X	150.97645	201.54351	117.72974	3.31080	0.2146442	0.27122689	2.3636376	21	—	—
227220 2005 RQ_{7}	17.2	X	104.40865	152.52000	166.39036	2.33218	0.2254109	0.26333630	2.4106208	21	—	—
227221 2005 RH_{8}	16.3	X	240.50808	214.36477	178.88910	7.80290	0.2141305	0.23209282	2.6223757	21	5 31.8	20.6
227222 2005 RL_{10}	17.0	X	108.74609	273.29333	33.90896	1.91749	0.2440513	0.26298551	2.4127640	21	—	—
227223 2005 RA_{21}	16.6	X	174.32997	104.51199	295.51511	6.60561	0.1296193	0.28512508	2.2861906	21	4 1.4	20.1
227224 2005 RY_{21}	17.4	X	133.77507	30.50467	352.27760	0.99100	0.2246941	0.27545705	2.3393765	21	2 10.1	20.5
227225 2005 RG_{26}	17.1	X	109.61585	253.30204	95.17379	5.55059	0.1963986	0.26875882	2.3780860	21	—	—
227226 2005 RV_{29}	17.3	X	70.99771	263.15490	137.66471	1.68940	0.1737147	0.26845192	2.3798982	21	—	—
227227 2005 RW_{29}	17.6	X	54.15845	48.65675	1.65093	1.90239	0.1945861	0.26519325	2.3993544	21	—	—
227228 2005 RA_{33}	16.5	X	58.65928	57.67041	344.50814	3.46417	0.2124247	0.26399984	2.4065798	21	—	—
227229 2005 RE_{40}	17.4	X	129.04773	163.25040	186.33092	1.33549	0.2035240	0.27312620	2.3526671	21	—	—
227230 2005 RZ_{40}	16.9	X	285.28506	180.57778	42.50449	3.36827	0.1769777	0.27945917	2.3169881	21	—	—
227231 2005 RJ_{42}	17.3	X	67.57678	60.29828	350.74058	3.84505	0.1750781	0.26799293	2.3826148	21	—	—
227232 2005 SX_{2}	16.4	X	102.29505	327.74008	40.51449	3.16270	0.2152688	0.26759455	2.3849789	21	—	—
227233 2005 SH_{5}	17.2	X	39.75728	184.73124	295.10980	1.77363	0.1397369	0.27400779	2.3476181	21	1 8.3	19.0
227234 2005 SR_{5}	16.7	X	167.98974	69.70808	251.83585	1.73359	0.1838569	0.27348721	2.3505962	21	—	—
227235 2005 SD_{6}	17.3	X	144.66209	52.31804	246.56770	3.70145	0.1748654	0.26413822	2.4057392	21	—	—
227236 2005 SW_{7}	16.6	X	322.05074	111.48906	129.86375	9.48849	0.0289441	0.28639554	2.2794245	21	3 9.1	19.3
227237 2005 SR_{22}	17.0	X	186.48132	200.61754	90.81001	3.66992	0.1457112	0.27199127	2.3592071	21	—	—
227238 2005 SL_{28}	16.9	X	121.32212	75.48068	217.13328	8.16567	0.1482973	0.25998539	2.4312900	21	—	—
227239 2005 SG_{30}	17.2	X	145.46966	187.31981	124.53461	2.54069	0.1804503	0.26720826	2.3872769	21	—	—
227240 2005 SW_{32}	17.3	X	36.34030	328.18663	132.99835	2.90424	0.1677618	0.26757257	2.3851095	21	—	—
227241 2005 SU_{34}	17.0	X	19.91800	85.52747	45.48608	7.29240	0.1989326	0.26946750	2.3739148	21	—	—
227242 2005 SG_{35}	17.3	X	346.31250	24.25691	73.78101	3.38185	0.1619410	0.25901091	2.4373843	21	—	—
227243 2005 SH_{36}	16.7	X	130.94404	40.62365	11.88246	4.81223	0.0603723	0.27991242	2.3144863	21	2 23.4	19.6
227244 2005 SL_{36}	17.0	X	141.82700	132.47204	175.75726	4.23003	0.1835556	0.26733266	2.3865362	21	—	—
227245 2005 SG_{42}	16.3	X	181.36255	98.04895	2.30002	10.50900	0.1297219	0.23104325	2.6303115	21	7 4.5	20.6
227246 2005 SF_{46}	16.7	X	10.75956	272.45851	208.38835	6.37333	0.0702403	0.26884212	2.3775948	21	—	—
227247 2005 SC_{50}	17.0	X	340.39121	330.36205	194.78654	2.38156	0.0938677	0.27057978	2.3674046	21	—	—
227248 2005 SJ_{54}	17.0	X	346.63612	143.79664	14.37676	1.36981	0.1257514	0.27018194	2.3697280	21	—	—
227249 2005 SU_{54}	17.9	X	68.09860	139.01000	186.69515	1.79319	0.1962171	0.25581359	2.4576515	21	12 29.4	21.6
227250 2005 ST_{59}	17.3	X	331.28464	119.79201	8.76596	2.49530	0.1445483	0.26165533	2.4209342	21	—	—
227251 2005 SJ_{64}	16.7	X	78.71771	348.90210	9.83080	6.49904	0.1379074	0.26172178	2.4205245	21	—	—
227252 2005 SZ_{74}	17.7	X	67.23809	43.43923	8.98557	2.86401	0.1093811	0.26829197	2.3808440	21	—	—
227253 2005 SW_{75}	17.7	X	148.58766	115.24356	176.01040	0.83804	0.1162378	0.26490919	2.4010693	21	—	—
227254 2005 SY_{76}	17.5	X	315.69583	7.19383	170.76100	3.00473	0.0614360	0.27164850	2.3611913	21	—	—
227255 2005 SB_{78}	17.6	X	110.09184	55.60152	33.73045	2.81933	0.1820799	0.27983496	2.3149133	21	4 4.9	20.5
227256 2005 SS_{79}	17.4	X	70.12320	336.85526	23.44054	3.25170	0.0447665	0.26129010	2.4231897	21	—	—
227257 2005 SD_{82}	16.8	X	27.91296	36.77848	221.58501	2.00302	0.1042376	0.23743746	2.5828740	21	7 18.9	19.6
227258 2005 SV_{83}	17.0	X	14.79157	159.42977	2.11942	4.45887	0.1791500	0.27663649	2.3327225	21	1 17.6	18.9
227259 2005 SR_{91}	17.0	X	218.94028	231.88049	198.20612	5.92437	0.2469816	0.23114843	2.6295136	21	6 24.7	21.6
227260 2005 SF_{92}	17.2	X	348.48451	264.37889	214.31074	1.30480	0.1104868	0.26308904	2.4121309	21	—	—
227261 2005 SE_{93}	17.0	X	13.64274	115.28647	347.69864	1.12151	0.0853464	0.26545602	2.3977708	21	—	—
227262 2005 SL_{98}	16.8	X	232.47662	324.30222	314.72470	4.93669	0.1352271	0.27608589	2.3358229	21	—	—
227263 2005 SH_{113}	17.4	X	91.39743	280.79034	186.52692	4.11354	0.1405361	0.28363389	2.2941966	21	3 26.2	19.9
227264 2005 SR_{115}	17.7	X	175.15613	319.72283	335.57631	0.81218	0.1877971	0.27044468	2.3681930	21	—	—
227265 2005 SS_{119}	17.1	X	242.66260	81.88858	341.50213	5.43514	0.1323012	0.23942832	2.5685363	21	7 20.6	20.8
227266 2005 SN_{121}	17.1	X	141.38883	111.09533	153.47014	1.54641	0.1548271	0.25943986	2.4346970	21	12 20.3	21.0
227267 2005 SQ_{123}	17.0	X	282.97178	168.37045	199.75013	13.82788	0.1711811	0.23702914	2.5858395	21	6 18.5	20.7
227268 2005 SW_{123}	16.8	X	107.98851	318.46580	62.60944	2.32934	0.1895626	0.27020289	2.3696056	21	—	—
227269 2005 SJ_{125}	17.8	X	25.79652	239.87400	177.20517	1.15502	0.1777760	0.26064527	2.4271846	21	—	—
227270 2005 SY_{127}	16.9	X	10.55072	116.04385	24.87609	2.66793	0.1518958	0.27153193	2.3618670	21	—	—
227271 2005 SK_{128}	17.4	X	92.96620	155.25595	168.37767	1.15657	0.2004906	0.26025110	2.4296348	21	—	—
227272 2005 SU_{133}	16.9	X	318.50743	255.62880	213.48683	3.58414	0.1088967	0.25564779	2.4587140	21	—	—
227273 2005 SY_{135}	17.5	X	58.77630	340.15623	164.29610	2.52317	0.0972968	0.28236565	2.3010610	21	3 19.9	19.6
227274 2005 SX_{140}	17.8	X	154.71479	231.66883	64.38980	2.47642	0.1876772	0.26730881	2.3866782	21	—	—
227275 2005 SG_{145}	17.1	X	301.75080	150.66802	52.40211	3.95851	0.0784199	0.27384251	2.3485626	21	—	—
227276 2005 SF_{146}	16.9	X	159.15461	268.33704	34.74987	6.24288	0.2152187	0.26977303	2.3721221	21	—	—
227277 2005 SL_{152}	17.7	X	11.50262	338.87013	59.23163	4.64180	0.2316252	0.25371628	2.4711768	21	—	—
227278 2005 SX_{159}	17.3	X	152.88250	108.71071	207.89606	6.41623	0.1338839	0.27159142	2.3615221	21	—	—
227279 2005 SR_{161}	17.1	X	348.94113	144.61099	355.60778	2.44321	0.1366510	0.26897716	2.3767989	21	—	—
227280 2005 SF_{163}	17.4	X	69.42300	185.99969	143.97822	1.64609	0.1899697	0.25684641	2.4510587	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
227281 2005 SK_{163}	17.7	X	63.39494	215.20067	137.81954	1.86348	0.2077228	0.25870768	2.4392885	21	—	—
227282 2005 SD_{166}	16.2	X	89.10401	286.38794	136.42091	6.17481	0.2166864	0.27186096	2.3599610	21	1 31.4	18.3
227283 2005 SC_{169}	16.6	X	346.61716	241.17419	271.20694	3.77761	0.1371043	0.27075219	2.3663995	21	—	—
227284 2005 SL_{171}	17.0	X	27.25633	208.15431	227.72730	3.18397	0.1486909	0.26374686	2.4081185	21	—	—
227285 2005 SG_{172}	17.3	X	26.67158	140.60131	280.33049	1.92170	0.1694228	0.26130201	2.4231161	21	—	—
227286 2005 SO_{178}	16.9	X	41.92771	113.82219	320.38180	4.80726	0.1810550	0.26559409	2.3969397	21	—	—
227287 2005 SJ_{179}	17.3	X	112.10135	227.90272	124.29336	2.44362	0.2075545	0.26784757	2.3834767	21	—	—
227288 2005 SS_{179}	17.5	X	30.79539	239.31430	137.93444	1.86507	0.1897302	0.25669374	2.4520305	21	—	—
227289 2005 SZ_{183}	17.4	X	152.20685	261.00342	348.35426	3.11876	0.1473560	0.25691596	2.4506164	21	12 11.1	21.4
227290 2005 SW_{189}	16.9	X	326.34326	106.94669	203.96705	11.87580	0.2618878	0.23738349	2.5832655	21	5 22.9	19.6
227291 2005 SX_{195}	17.4	X	355.65574	316.23532	179.58561	3.42516	0.1813126	0.26858190	2.3791303	21	—	—
227292 2005 SC_{206}	16.3	X	64.79269	11.73937	34.38780	10.93173	0.2529975	0.26535093	2.3984038	21	—	—
227293 2005 SC_{208}	15.9	X	188.66240	59.36077	4.47632	14.67274	0.0788914	0.22704842	2.6610747	21	5 19.6	20.1
227294 2005 SO_{215}	16.1	X	82.33305	199.43112	227.85937	7.06900	0.2107048	0.26991759	2.3712750	21	1 22.3	18.3
227295 2005 SP_{219}	16.3	X	250.82319	329.53995	82.51317	8.74617	0.2858647	0.22796045	2.6539722	21	6 26.4	20.5
227296 2005 SY_{224}	16.8	X	13.96757	16.03892	81.33295	3.44665	0.1494851	0.26344734	2.4099434	21	—	—
227297 2005 SH_{232}	16.4	X	296.22962	124.07020	30.20228	9.69344	0.0774633	0.25928990	2.4356356	21	—	—
227298 2005 SH_{247}	17.4	X	57.90479	106.01374	219.64904	0.82600	0.1111296	0.25251991	2.4789758	21	12 7.4	20.7
227299 2005 SC_{251}	16.5	X	106.15020	340.45558	39.38567	5.84795	0.2369735	0.27145906	2.3622897	21	1 3.3	19.0
227300 2005 SP_{261}	17.2	X	176.87640	89.78022	179.44202	2.31882	0.1551601	0.26844198	2.3799569	21	—	—
227301 2005 SU_{261}	16.9	X	41.65147	308.30710	109.77243	3.53235	0.0654210	0.26565816	2.3965543	21	—	—
227302 2005 SV_{265}	17.3	X	127.03009	149.74334	124.11738	2.37144	0.1732782	0.26019606	2.4299774	21	12 19.1	21.2
227303 2005 SK_{266}	17.3	X	96.04334	149.59737	206.88897	6.95986	0.1313151	0.26646162	2.3917343	21	—	—
227304 2005 SL_{266}	16.4	X	197.27800	30.53031	306.07438	4.69797	0.0459543	0.28080119	2.3095999	21	2 1.8	19.4
227305 2005 SV_{271}	17.2	X	333.65310	173.71215	345.87077	5.71518	0.0938252	0.27080700	2.3660802	21	—	—
227306 2005 TE_{8}	16.2	X	134.63126	291.51276	192.77424	13.05092	0.2257684	0.22454943	2.6807814	21	6 23.3	20.9
227307 2005 TN_{11}	16.8	X	239.94878	161.40604	49.77917	3.60660	0.1479221	0.26205004	2.4185026	21	—	—
227308 2005 TT_{12}	16.4	X	238.34629	159.69278	178.56457	4.61185	0.1081880	0.22218536	2.6997637	21	3 29.3	20.3
227309 2005 TN_{20}	17.5	X	346.78577	130.48890	333.57794	1.86942	0.1633811	0.26144481	2.4222336	21	—	—
227310 Scottkardel	16.8	X	328.48603	158.69478	214.49204	14.69546	0.1367564	0.24255973	2.5463822	21	9 14.0	19.6
227311 2005 TC_{31}	17.2	X	36.00143	53.48205	38.66453	3.06497	0.1417935	0.26873874	2.3782045	21	—	—
227312 2005 TV_{31}	17.2	X	350.50552	286.44773	143.44780	2.77846	0.1776861	0.25712135	2.4493111	21	—	—
227313 2005 TE_{35}	17.5	X	179.18716	155.00943	141.59643	2.97204	0.1568689	0.27144401	2.3623770	21	—	—
227314 2005 TT_{61}	15.7	X	113.46310	202.95672	308.00473	8.59203	0.1529323	0.21466110	2.7624885	21	6 30.9	19.8
227315 2005 TM_{62}	17.1	X	356.08322	277.83861	43.66659	6.01565	0.1519406	0.24090697	2.5580153	21	8 30.7	19.6
227316 2005 TZ_{62}	17.2	X	66.07526	197.35448	155.87707	1.91452	0.1900624	0.25808523	2.4432090	21	—	—
227317 2005 TR_{68}	16.8	X	20.16263	162.64072	22.89239	5.48801	0.1607434	0.28461984	2.2888953	21	3 8.9	18.5
227318 2005 TX_{86}	16.6	X	235.23113	219.65005	192.26420	11.33046	0.1180714	0.23398671	2.6082062	21	6 26.4	20.6
227319 2005 TF_{88}	17.7	X	84.97616	240.87742	72.73751	3.47582	0.2368639	0.25914450	2.4365466	21	—	—
227320 2005 TD_{97}	17.3	X	323.31619	206.46312	289.27704	1.34010	0.1532849	0.25989824	2.4318335	21	—	—
227321 2005 TL_{106}	17.5	X	50.70147	140.25863	200.62444	5.69912	0.1724969	0.25531059	2.4608785	21	12 26.7	20.9
227322 2005 TN_{121}	17.1	X	211.92950	87.42919	213.35741	2.59259	0.1847677	0.27787513	2.3257852	21	1 8.6	20.8
227323 2005 TA_{123}	16.5	X	334.95568	331.28737	196.80519	10.79818	0.1488623	0.27078555	2.3662051	21	—	—
227324 2005 TK_{137}	17.4	X	354.38502	311.57088	125.30534	1.88137	0.1483004	0.25829206	2.4419045	21	—	—
227325 2005 TB_{151}	17.1	X	122.56978	105.07506	165.33720	4.83892	0.1684325	0.25612404	2.4556652	21	12 10.9	21.1
227326 Narodychi	17.0	X	12.19213	27.29940	66.03061	2.58698	0.1527976	0.26333053	2.4106560	21	—	—
227327 2005 TT_{161}	17.5	X	329.11527	140.31169	349.68245	3.78088	0.0284711	0.26267929	2.4146387	21	—	—
227328 2005 TJ_{170}	16.0	X	183.47130	303.31754	98.14871	7.44807	0.0482737	0.21070811	2.7969318	21	4 23.7	20.1
227329 2005 TQ_{190}	17.4	X	273.51906	73.42509	93.71124	2.06333	0.0752223	0.26024003	2.4297037	21	—	—
227330 2005 UM	15.8	X	78.22486	144.88911	267.87616	24.96758	0.2725751	0.26751077	2.3854768	21	1 1.0	17.4
227331 2005 UW	15.9	X	123.50003	173.89225	223.65283	4.64374	0.0218668	0.20895321	2.8125701	21	1 29.5	19.8
227332 2005 UF_{2}	16.6	X	233.14411	80.13571	218.69745	3.31417	0.0795568	0.21374240	2.7703986	21	2 4.8	20.9
227333 2005 UL_{2}	16.6	X	72.16353	356.45060	69.73055	4.60291	0.2102098	0.26695704	2.3887744	21	1 2.2	18.3
227334 2005 UJ_{3}	15.8	X	256.44300	180.94568	208.65187	13.60071	0.1844830	0.23049019	2.6345175	21	6 13.7	20.0
227335 2005 UY_{3}	17.2	X	15.59691	290.33826	173.18114	5.95820	0.1402085	0.26786630	2.3833656	21	—	—
227336 2005 UJ_{7}	16.5	X	46.22549	186.67330	285.85434	7.44199	0.1678853	0.26937729	2.3744447	21	1 11.6	18.3
227337 2005 UH_{8}	16.9	X	79.14522	346.47137	75.89409	3.32603	0.2042349	0.26743979	2.3858989	21	1 10.9	18.8
227338 2005 UX_{8}	17.1	X	14.00476	10.36514	66.81680	3.55844	0.1648323	0.26093564	2.4253836	21	—	—
227339 2005 UL_{27}	16.5	X	165.78263	186.78247	246.68977	1.37551	0.1197372	0.22285084	2.6943863	21	5 13.6	20.7
227340 2005 UR_{50}	16.1	X	229.32989	351.87392	357.67422	4.52000	0.0918762	0.22108637	2.7087031	21	4 2.9	20.2
227341 2005 US_{53}	16.5	X	349.58877	5.09879	81.19466	3.95268	0.1415942	0.25641195	2.4538266	21	—	—
227342 2005 UX_{58}	16.7	X	237.44387	262.62513	243.34541	5.43785	0.1459562	0.24451235	2.5328075	21	10 28.0	20.2
227343 2005 UC_{59}	16.8	X	336.23268	110.53472	246.11294	3.46484	0.1587672	0.24049344	2.5609468	21	9 5.9	19.2
227344 2005 UN_{61}	17.1	X	183.67280	278.61213	213.07321	2.86658	0.2131026	0.23045935	2.6347525	21	8 11.8	21.7
227345 2005 UX_{66}	17.2	X	8.34399	347.34346	50.41809	6.55008	0.1537381	0.25356662	2.4721491	21	—	—
227346 2005 UA_{67}	16.8	X	265.30556	224.15821	232.89293	14.75853	0.2373114	0.23968839	2.5666780	21	9 8.9	20.6
227347 2005 UK_{74}	16.6	X	91.88323	2.50357	98.28831	3.56947	0.1741348	0.27383714	2.3485933	21	3 27.1	19.1
227348 2005 UB_{79}	15.8	X	220.15885	262.78242	216.25753	14.17308	0.0473658	0.23785409	2.5798570	21	9 10.2	19.6
227349 2005 UQ_{80}	16.3	X	262.26335	295.53666	158.53312	8.26063	0.2058481	0.23865306	2.5740958	21	9 12.8	19.8
227350 2005 UJ_{81}	16.7	X	336.20074	109.43064	239.92455	7.57979	0.1835731	0.23861201	2.5743911	21	8 21.4	19.2
227351 2005 UM_{87}	16.2	X	84.15357	195.44254	51.03689	6.44476	0.1138398	0.24096575	2.5575993	21	9 28.9	19.7
227352 2005 UG_{88}	16.4	X	230.91024	148.97279	197.43687	4.64014	0.0739978	0.22146955	2.7055779	21	4 2.3	20.4
227353 2005 UQ_{100}	16.7	X	232.22530	209.42770	132.60065	3.54839	0.0867865	0.21986105	2.7187578	21	3 30.3	20.7
227354 2005 UV_{102}	17.0	X	116.39238	19.62281	186.03667	2.96707	0.0685402	0.23531917	2.5983512	21	9 4.2	20.5
227355 2005 UU_{111}	16.5	X	26.81399	6.60909	306.37972	1.28452	0.1341910	0.24087821	2.5582189	21	10 8.8	19.4
227356 2005 UD_{125}	17.1	X	256.99289	163.72350	25.01155	2.79770	0.1416281	0.25635987	2.4541590	21	—	—
227357 2005 UN_{125}	16.7	X	114.47423	318.31635	235.45522	5.22602	0.0674707	0.23306948	2.6150447	21	8 15.0	20.4
227358 2005 UZ_{127}	16.7	X	181.20658	315.09935	225.94961	13.75941	0.1909161	0.24096226	2.5576240	21	10 9.5	21.1
227359 2005 UP_{131}	16.4	X	280.35220	253.31909	153.79660	14.93449	0.1767468	0.23724736	2.5842535	21	8 6.7	19.7
227360 2005 UK_{138}	17.1	X	66.55909	271.22764	10.29079	0.86448	0.0519850	0.24427960	2.5344161	21	10 11.4	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
227361 2005 UV_{148}	16.5	X	6.92627	252.99557	231.66916	6.40358	0.0557685	0.26581134	2.3956335	21	—	—
227362 2005 UD_{153}	16.5	X	56.93089	17.63054	250.38674	2.88507	0.0808313	0.23730933	2.5838037	21	9 12.1	19.9
227363 2005 UB_{160}	16.6	X	50.13466	23.50608	48.13171	7.56960	0.0732002	0.26754281	2.3852864	21	—	—
227364 2005 UU_{163}	17.2	X	9.32762	11.90762	280.22891	1.96682	0.1701751	0.23796021	2.5790900	21	8 9.7	19.5
227365 2005 UK_{164}	16.7	X	302.93332	308.22823	246.44538	3.15705	0.1020402	0.26758849	2.3850149	21	—	—
227366 2005 UZ_{166}	16.7	X	289.38428	331.95976	227.88477	4.45995	0.1793687	0.26600595	2.3944650	21	—	—
227367 2005 UB_{167}	16.9	X	25.08933	60.50618	219.98458	5.20931	0.1088184	0.23715154	2.5849496	21	8 14.3	19.8
227368 2005 UP_{172}	16.7	X	121.51858	295.49098	43.24292	10.66999	0.1924239	0.26418598	2.4054493	21	—	—
227369 2005 US_{180}	16.7	X	1.38950	242.20576	99.03039	3.33015	0.1811132	0.24242327	2.5473376	21	10 12.7	19.1
227370 2005 UV_{190}	16.4	X	46.54682	30.73116	244.90024	2.83318	0.1239335	0.23825711	2.5769469	21	9 14.5	19.5
227371 2005 UT_{191}	16.8	X	140.54254	232.80317	358.69871	1.21684	0.0994443	0.24445821	2.5331814	21	11 6.2	20.5
227372 2005 UL_{203}	17.7	X	328.08949	313.68434	181.30804	0.97210	0.1378457	0.25973228	2.4328692	21	—	—
227373 2005 UH_{213}	16.9	X	100.80683	133.74820	232.59170	3.57768	0.1603862	0.26838627	2.3802862	21	—	—
227374 2005 UH_{216}	17.0	X	114.98447	262.32003	132.79138	1.85388	0.1837331	0.27040846	2.3684044	21	1 28.6	19.6
227375 2005 UA_{227}	16.9	X	110.18641	87.86213	217.19160	5.02717	0.1296224	0.25589429	2.4571348	21	—	—
227376 2005 UM_{233}	16.2	X	44.08630	24.48496	209.39607	11.60570	0.1418420	0.22884785	2.6471070	21	7 13.7	19.5
227377 2005 UV_{238}	16.2	X	250.77978	1.31409	68.51941	15.12206	0.0676447	0.23495799	2.6010133	21	8 22.8	20.0
227378 2005 UE_{241}	16.5	X	339.26413	246.72771	68.72162	13.13069	0.1551308	0.23468521	2.6030284	21	7 12.3	19.2
227379 2005 UQ_{244}	16.8	X	249.26576	16.58848	25.79671	7.65557	0.1642554	0.23031320	2.6358670	21	6 25.2	20.8
227380 2005 UJ_{255}	17.4	X	287.26718	41.58978	148.43497	1.97361	0.1350773	0.26617695	2.3934393	21	—	—
227381 2005 US_{256}	17.5	X	199.85714	276.37286	3.61737	2.10238	0.2379695	0.27696885	2.3308560	21	—	—
227382 2005 UV_{265}	16.5	X	48.74734	185.47172	74.96493	6.17312	0.1692592	0.23523950	2.5989378	21	9 8.9	19.7
227383 2005 UB_{266}	16.9	X	178.02587	77.86557	93.56224	3.27797	0.1309857	0.23840306	2.5758950	21	9 30.8	20.9
227384 2005 UT_{275}	16.3	X	221.00621	156.23339	233.75990	4.89208	0.0656624	0.22573694	2.6713715	21	5 17.6	20.0
227385 2005 UA_{284}	17.1	X	140.05164	131.39437	72.41133	4.90731	0.1084788	0.30429836	2.1891204	21	10 10.7	20.2
227386 2005 UJ_{297}	17.1	X	349.98763	95.88512	228.08338	1.80114	0.1278385	0.23682627	2.5873160	21	8 16.3	19.6
227387 2005 UQ_{298}	17.3	X	293.73679	27.55465	49.57935	5.52159	0.1780620	0.24328927	2.5412891	21	10 14.1	19.8
227388 2005 UE_{301}	16.2	X	39.07098	170.52280	125.54034	5.96504	0.1517936	0.24074416	2.5591685	21	10 11.0	19.3
227389 2005 UH_{310}	17.4	X	311.16979	147.46522	52.97583	3.13449	0.1240276	0.27450543	2.3447799	21	—	—
227390 2005 UQ_{311}	16.8	X	230.85869	292.55917	192.17693	5.46617	0.0973119	0.24250618	2.5467570	21	9 29.4	20.3
227391 2005 UW_{319}	16.9	X	321.83014	239.72360	243.60637	4.13346	0.1377529	0.25654924	2.4529511	21	—	—
227392 2005 UP_{342}	16.7	X	281.66821	143.53874	5.12099	6.42016	0.0696760	0.25484225	2.4638925	21	—	—
227393 2005 UL_{345}	16.7	X	185.94681	77.78557	89.31922	4.13132	0.0981596	0.23798523	2.5789092	21	10 5.4	20.5
227394 2005 UR_{351}	16.3	X	197.66203	78.11146	284.27181	4.58029	0.0561318	0.21813161	2.7331092	21	3 15.1	20.4
227395 2005 UD_{364}	16.8	X	272.43286	51.03487	124.34197	3.17155	0.1386029	0.25682023	2.4512253	21	—	—
227396 2005 UC_{374}	17.0	X	159.95672	160.20538	39.43608	4.34906	0.0965457	0.24096702	2.5575903	21	10 17.9	20.8
227397 2005 UO_{377}	17.2	X	308.30729	15.19138	180.47152	2.42262	0.0827922	0.26975204	2.3722451	21	—	—
227398 2005 UW_{388}	17.2	X	161.77313	95.72750	207.33579	5.87691	0.1368845	0.26874219	2.3781842	21	—	—
227399 2005 UW_{394}	17.2	X	305.58434	298.34056	313.90091	1.67000	0.1310425	0.28916662	2.2648387	21	2 10.2	20.0
227400 2005 UK_{398}	16.7	X	311.82802	34.17854	70.77361	5.56407	0.1165659	0.25171637	2.4842488	21	—	—
227401 2005 UM_{403}	16.9	X	216.79276	41.47365	167.02495	2.73895	0.1350255	0.25757907	2.4464086	21	12 27.4	20.2
227402 2005 UF_{411}	16.2	X	358.20776	239.48205	94.08877	4.44208	0.0387514	0.23735977	2.5834376	21	9 14.8	19.3
227403 2005 UA_{432}	17.1	X	105.68822	66.11074	194.27641	3.53640	0.0593380	0.24369765	2.5384493	21	11 3.1	20.5
227404 2005 UE_{433}	17.6	X	26.75579	294.68383	191.68622	0.60575	0.1444708	0.26632226	2.3925687	21	—	—
227405 2005 UT_{441}	16.8	X	132.43745	316.65054	213.43096	7.01344	0.1457356	0.22911583	2.6450425	21	8 10.8	21.1
227406 2005 UJ_{445}	16.6	X	161.45232	340.23202	205.95528	7.35889	0.1338391	0.23838027	2.5760592	21	9 30.3	20.7
227407 2005 UN_{446}	16.9	X	107.40838	74.86661	240.70983	7.05468	0.1594233	0.25944856	2.4346425	21	—	—
227408 2005 UZ_{448}	17.2	X	243.57034	275.17323	307.13304	2.30369	0.1515638	0.26161414	2.4211883	21	—	—
227409 2005 UA_{451}	16.9	X	56.08135	99.86119	21.03094	3.07745	0.1409321	0.27259429	2.3557266	21	2 14.2	19.0
227410 2005 UN_{457}	16.0	X	43.00667	258.37149	94.15914	13.35709	0.2334877	0.25426941	2.4675917	21	—	—
227411 2005 UR_{459}	16.8	X	174.15843	60.43874	21.29592	1.68135	0.0251795	0.22299070	2.6932596	21	5 29.7	20.4
227412 2005 UG_{476}	16.4	X	194.72603	230.88514	276.32397	2.07682	0.1274801	0.24062445	2.5600172	21	9 14.3	20.2
227413 2005 UK_{497}	16.3	X	210.34522	235.14893	118.05406	6.38468	0.0878373	0.21978618	2.7193752	21	3 22.4	20.4
227414 2005 US_{501}	16.0	X	156.26875	299.71963	209.92528	26.65718	0.2428945	0.22794555	2.6540879	21	8 5.9	21.2
227415 2005 US_{508}	17.0	X	16.20943	280.78268	6.52349	2.02196	0.0873620	0.23449015	2.6044717	21	8 9.7	19.9
227416 2005 UD_{509}	16.4	X	315.10290	170.86059	78.44360	1.25072	0.0664740	0.21310055	2.7759587	21	3 14.3	20.1
227417 2005 UK_{513}	17.2	X	260.65028	293.47322	253.95377	1.39544	0.1576141	0.26047481	2.4282435	21	—	—
227418 2005 UJ_{517}	15.7	X	348.02364	48.68195	182.73105	15.21888	0.0679067	0.22312962	2.6921416	21	4 5.6	19.1
227419 2005 VQ_{4}	15.9	X	114.99406	357.51404	236.69148	12.94179	0.0495202	0.24352692	2.5396355	21	10 5.9	19.6
227420 2005 VP_{26}	16.5	X	239.45122	39.31459	272.90336	2.46643	0.1862064	0.21737061	2.7394844	21	2 21.6	21.1
227421 2005 VJ_{32}	16.4	X	11.80277	97.05093	235.32835	11.43137	0.2103303	0.24260375	2.5460741	21	10 20.5	19.0
227422 2005 VN_{34}	16.8	X	110.26007	15.70445	79.57134	7.85706	0.0611358	0.27986282	2.3147597	21	3 29.4	19.7
227423 2005 VC_{42}	16.1	X	359.54200	10.60808	81.70858	11.78335	0.1019383	0.25739646	2.4475656	21	—	—
227424 2005 VR_{58}	16.4	X	163.34892	127.80951	281.47455	3.80843	0.0235277	0.21894577	2.7263295	21	4 1.8	20.3
227425 2005 VR_{66}	16.5	X	326.20180	106.20892	200.98807	6.35422	0.0944058	0.23104167	2.6303235	21	6 11.8	19.7
227426 2005 VB_{70}	16.0	X	13.31298	76.46188	223.64726	13.75040	0.1942186	0.23683870	2.5872254	21	8 27.5	18.8
227427 2005 VX_{78}	15.4	X	345.43606	83.28388	251.15116	28.87382	0.1544583	0.23611442	2.5925136	21	8 6.2	18.9
227428 2005 VC_{81}	16.9	X	183.31102	126.04989	61.21600	5.02784	0.0391702	0.24213236	2.5493776	21	10 31.2	20.4
227429 2005 VQ_{81}	15.9	X	132.30492	325.20540	244.44759	12.83363	0.1034974	0.23587178	2.5942912	21	9 25.5	20.0
227430 2005 VX_{98}	15.8	X	167.21353	175.54504	284.11285	13.04271	0.0324879	0.22553460	2.6729691	21	6 14.8	19.7
227431 2005 VF_{109}	17.4	X	241.36304	78.83465	44.84117	1.70072	0.1430543	0.24200910	2.5502431	21	10 5.3	20.7
227432 2005 VN_{115}	16.4	X	300.57532	249.66100	268.98397	5.29840	0.0731929	0.25870752	2.4392895	21	—	—
227433 2005 VF_{122}	16.1	X	251.47732	2.47595	86.93546	31.79152	0.1587403	0.23984836	2.5655366	21	9 15.1	20.5
227434 2005 VV_{123}	16.0	X	337.69378	147.64344	194.88917	4.93747	0.1155861	0.23618516	2.5919959	21	8 19.9	18.8
227435 2005 WQ_{15}	16.2	X	351.70476	211.50889	67.99011	4.49790	0.1936029	0.22745546	2.6578990	21	6 9.0	18.5
227436 2005 WF_{20}	17.0	X	277.48461	143.83911	324.34406	2.33641	0.0256133	0.24543661	2.5264448	21	11 18.9	20.2
227437 2005 WB_{22}	16.4	X	290.24893	252.51189	42.19782	5.13157	0.1000098	0.21884301	2.7271828	21	4 4.5	20.2
227438 2005 WN_{26}	16.6	X	184.22174	45.57351	54.89990	4.69073	0.0228029	0.22687084	2.6624631	21	7 7.6	20.2
227439 2005 WM_{29}	17.1	X	31.77073	266.28847	49.61952	5.25057	0.2992567	0.24469104	2.5315743	21	11 17.8	20.1
227440 2005 WN_{30}	17.1	X	292.95332	334.21721	39.93810	3.61289	0.2848467	0.23541429	2.5976512	21	6 22.8	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
227441 2005 WC_{31}	16.7	X	285.29114	70.12215	29.58435	2.51321	0.0545263	0.24403413	2.5361154	21	11 15.3	19.7
227442 2005 WN_{33}	15.4	X	33.92382	250.65820	72.22333	28.24479	0.1199521	0.24088715	2.5581556	21	11 10.8	18.9
227443 2005 WW_{37}	16.1	X	339.67298	266.89764	79.62660	12.34802	0.2198538	0.23754000	2.5821307	21	9 4.9	18.5
227444 2005 WS_{38}	16.8	X	282.19054	38.56828	87.30601	14.38969	0.1122676	0.24573604	2.5243921	21	12 10.7	19.7
227445 2005 WR_{45}	16.6	X	130.50356	115.40863	59.62380	2.82974	0.0279741	0.23030522	2.6359279	21	8 9.2	20.1
227446 2005 WF_{47}	16.9	X	310.45505	54.41371	287.56480	1.63746	0.0419374	0.22894520	2.6463565	21	7 13.0	20.3
227447 2005 WF_{48}	17.2	X	212.64240	161.38527	33.19273	0.75958	0.1260860	0.25322581	2.4743667	21	12 5.3	20.5
227448 2005 WL_{53}	16.4	X	24.07129	220.21520	76.21868	4.14646	0.1236739	0.23585189	2.5944371	21	9 11.6	19.3
227449 2005 WC_{54}	16.3	X	247.37986	341.74101	84.27803	4.46696	0.2049055	0.23004739	2.6378971	21	7 19.9	20.3
227450 2005 WA_{62}	16.7	X	215.95222	45.42717	53.30541	5.51088	0.1504083	0.23047407	2.6346403	21	8 5.7	20.8
227451 2005 WA_{68}	16.5	X	143.99910	64.01882	116.15238	1.47576	0.0043878	0.23347304	2.6120304	21	8 31.7	20.0
227452 2005 WN_{73}	16.2	X	74.38995	202.56570	66.65370	4.69316	0.0348730	0.23891020	2.5722485	21	10 4.5	19.5
227453 2005 WR_{74}	15.5	X	233.59627	301.72927	122.22334	15.42061	0.0483081	0.23036364	2.6354822	21	7 18.9	19.1
227454 2005 WJ_{99}	16.1	X	296.79966	38.25021	233.80107	2.51832	0.0478976	0.21371218	2.7706598	21	3 20.4	19.8
227455 2005 WO_{99}	16.3	X	180.01052	207.39823	221.82375	2.46821	0.0672254	0.22102321	2.7092191	21	5 22.0	20.2
227456 2005 WS_{99}	16.1	X	1.52105	253.69394	76.47561	6.63973	0.1375352	0.23796159	2.5790800	21	9 23.5	18.8
227457 2005 WQ_{101}	17.0	X	121.79973	37.43222	66.77682	0.64265	0.0292199	0.21418982	2.7665392	21	4 24.2	20.8
227458 2005 WB_{103}	16.0	X	313.71505	108.28357	239.65465	6.41130	0.2098570	0.23349216	2.6118877	21	7 1.3	18.8
227459 2005 WV_{103}	16.7	X	281.43077	269.54740	140.30735	13.41462	0.1653057	0.23681534	2.5873955	21	8 15.4	19.7
227460 2005 WF_{104}	16.4	X	331.16345	245.31366	100.65650	5.61159	0.2265498	0.23728740	2.5839628	21	8 4.9	18.4
227461 2005 WF_{113}	16.1	X	25.56766	123.91747	182.89759	9.59636	0.1375897	0.23884818	2.5726938	21	9 29.1	18.9
227462 2005 WX_{115}	15.7	X	347.92687	137.15608	213.91289	8.71009	0.1436505	0.23930681	2.5694057	21	9 21.3	18.4
227463 2005 WF_{117}	15.8	X	283.12059	187.76538	252.72211	12.83702	0.1444501	0.23763986	2.5814072	21	9 27.1	19.2
227464 2005 WK_{120}	16.6	X	279.46695	201.99940	174.57874	1.08739	0.1598194	0.23242722	2.6198598	21	6 27.7	19.9
227465 2005 WR_{120}	15.8	X	225.59079	41.12216	82.86693	17.79678	0.1478782	0.23248316	2.6194396	21	9 26.0	20.1
227466 2005 WO_{121}	16.9	X	285.07098	187.08742	163.00453	1.99277	0.2266943	0.23035371	2.6355580	21	5 20.6	20.5
227467 2005 WH_{134}	16.5	X	252.62637	34.86307	292.84263	1.69580	0.0810969	0.21272000	2.7792685	21	4 2.6	20.6
227468 2005 WJ_{135}	15.6	X	113.46731	66.95778	104.16975	13.35529	0.1070034	0.21902961	2.7256337	21	7 21.6	19.5
227469 2005 WQ_{142}	17.3	X	225.79522	227.37940	210.80034	1.25972	0.0634212	0.23198275	2.6232052	21	7 26.3	20.8
227470 2005 WU_{147}	17.4	X	272.89646	24.24400	340.65121	1.33811	0.1300336	0.22807051	2.6531184	21	6 7.7	20.9
227471 2005 WO_{160}	16.4	X	257.55861	106.55167	6.80714	3.52124	0.0532182	0.24176420	2.5519651	21	10 24.9	19.5
227472 2005 WF_{162}	16.4	X	20.82660	171.22467	82.82041	4.06589	0.0514991	0.22512451	2.6762142	21	6 26.8	19.5
227473 2005 WO_{166}	17.2	X	237.66024	185.74548	252.34734	1.85399	0.2411381	0.23000356	2.6382321	21	7 21.3	21.5
227474 2005 WZ_{167}	16.6	X	46.35855	26.88495	234.56650	1.53448	0.0437803	0.23027800	2.6361356	21	8 13.5	20.0
227475 2005 WY_{174}	16.6	X	161.71085	52.80946	60.05296	1.27428	0.0495500	0.22181470	2.7027705	21	6 26.2	20.3
227476 2005 WA_{177}	16.5	X	54.98520	255.44243	24.31866	2.50181	0.0384052	0.23198833	2.6231631	21	9 20.6	19.9
227477 2005 WV_{185}	15.4	X	312.44133	148.76809	230.48558	10.54720	0.1791041	0.23675019	2.5878702	21	8 15.9	18.3
227478 2005 WY_{188}	16.7	X	292.80631	279.88127	123.05199	3.29963	0.1610853	0.23723182	2.5843664	21	8 24.7	19.5
227479 2005 WE_{190}	16.3	X	315.45749	150.97131	199.71010	14.06826	0.0934711	0.23531293	2.5983971	21	7 23.1	19.8
227480 2005 WP_{192}	15.5	X	134.16485	239.63257	283.88831	10.74191	0.1579743	0.22003046	2.7173621	21	8 4.7	19.8
227481 2005 WT_{194}	15.9	X	218.57571	247.94000	245.76678	12.26017	0.2182927	0.22973956	2.6402529	21	9 8.2	20.5
227482 2005 WG_{202}	16.6	X	276.47733	93.17123	226.70771	3.82746	0.1181468	0.21974864	2.7196849	21	4 15.4	20.6
227483 2005 XO	17.0	X	180.42497	162.31996	4.97639	0.52888	0.0083385	0.23796053	2.5790876	21	10 1.8	20.5
227484 2005 XB_{3}	16.4	X	84.13858	247.06654	44.33507	4.47484	0.0960511	0.24487838	2.5302830	21	11 20.8	20.0
227485 2005 XF_{13}	16.0	X	5.49352	220.31057	122.57176	4.43323	0.2026285	0.24061046	2.5601164	21	10 26.5	18.4
227486 2005 XQ_{17}	16.1	X	255.84796	18.80556	89.72313	17.96303	0.1547713	0.23698692	2.5861466	21	10 11.4	20.0
227487 2005 XD_{19}	16.8	X	159.75462	345.33250	292.88273	2.02272	0.1503006	0.25946969	2.4345104	21	—	—
227488 2005 XN_{25}	16.1	X	287.42488	309.95189	54.96050	4.62993	0.1502196	0.23092112	2.6312389	21	6 24.2	19.6
227489 2005 XS_{28}	15.8	X	208.13394	14.59024	64.96537	14.81358	0.2247961	0.22267050	2.6958409	21	6 28.3	20.5
227490 2005 XO_{34}	16.3	X	290.97818	176.63882	187.86636	1.58006	0.0608984	0.22854967	2.6494089	21	7 12.9	19.7
227491 2005 XW_{48}	16.5	X	320.16486	7.73239	41.27234	4.83774	0.1662749	0.24159941	2.5531254	21	10 24.7	18.6
227492 2005 XR_{50}	16.5	X	228.31776	284.31085	65.50998	10.86082	0.2371220	0.21674270	2.7447728	21	4 1.9	21.4
227493 2005 XF_{56}	16.0	X	278.09157	230.69144	132.92192	13.56373	0.2225169	0.23085387	2.6317499	21	6 2.3	20.0
227494 2005 XL_{67}	17.2	X	299.45909	15.43927	32.68596	4.45265	0.1177904	0.23910798	2.5708299	21	9 20.2	20.1
227495 2005 XT_{71}	16.2	X	215.80844	105.47445	58.25704	5.83224	0.0632048	0.24031735	2.5621977	21	11 6.0	19.6
227496 2005 XW_{72}	15.8	X	96.61813	69.78185	76.76890	13.26599	0.0391288	0.21602637	2.7508371	21	5 20.3	19.5
227497 2005 XF_{75}	16.7	X	204.46347	112.94616	315.53587	4.61485	0.0582017	0.22186907	2.7023289	21	6 18.4	20.6
227498 2005 XJ_{76}	16.5	X	258.63211	340.35184	52.94944	3.69088	0.0768219	0.22673716	2.6635094	21	7 6.1	20.0
227499 2005 XV_{76}	16.0	X	334.71849	270.53879	46.61233	12.23720	0.1861782	0.23409404	2.6074089	21	7 1.1	18.7
227500 2005 XE_{78}	16.3	X	263.67614	21.44525	54.18414	18.43595	0.1549620	0.23388441	2.6089667	21	9 7.9	20.2
227501 2005 XK_{79}	16.0	X	256.35478	262.65035	94.20529	9.32617	0.0877674	0.22020876	2.7158951	21	5 16.4	19.9
227502 2005 XQ_{83}	16.0	X	126.71209	114.37400	76.23518	9.67085	0.0606134	0.22990516	2.6389849	21	9 1.1	19.9
227503 2005 XR_{84}	16.2	X	272.48796	39.07440	13.89254	15.42084	0.2213978	0.23308369	2.6149384	21	8 4.7	20.0
227504 2005 XK_{104}	15.9	X	138.70676	260.62077	25.22247	5.54581	0.1059231	0.17922331	3.1155859	21	12 30.3	20.9
227505 2005 XW_{105}	16.1	X	98.35141	203.02282	318.22286	3.40491	0.0106487	0.21410062	2.7673076	21	6 4.7	20.0
227506 2005 XQ_{106}	15.9	X	142.43758	299.04057	131.24584	6.97447	0.0588721	0.20396400	2.8582510	21	4 13.7	20.1
227507 2005 XU_{114}	15.0	X	241.37199	205.66666	322.76501	11.34974	0.0961413	0.17173390	3.2055215	21	11 23.5	19.8
227508 2005 YS_{2}	16.5	X	317.85649	41.98034	88.43017	7.60100	0.0722010	0.25516840	2.4617925	21	—	—
227509 2005 YM_{7}	16.2	X	271.97631	188.79423	80.52277	3.24407	0.0210076	0.20290889	2.8681509	21	2 22.0	20.2
227510 2005 YV_{10}	16.7	X	233.32896	120.67610	290.81887	0.59528	0.1626482	0.22682564	2.6628168	21	6 20.4	20.8
227511 2005 YN_{13}	15.7	X	262.26325	167.87529	118.29174	9.08867	0.1369580	0.20262009	2.8708757	21	2 19.6	20.1
227512 2005 YE_{21}	16.5	X	143.49130	85.63623	319.20088	1.13110	0.0742528	0.20639130	2.8357969	21	3 12.0	20.6
227513 2005 YR_{30}	15.7	X	174.74936	212.12395	272.98206	12.44430	0.2056611	0.22230196	2.6988196	21	7 25.5	20.3
227514 2005 YS_{32}	16.0	X	223.34430	163.10277	142.14817	2.76417	0.0617551	0.19966770	2.8991065	21	2 6.1	20.1
227515 2005 YC_{34}	15.8	X	247.24429	19.22848	292.35877	3.95842	0.0879057	0.20626395	2.8369640	21	3 7.0	20.0
227516 2005 YQ_{34}	16.6	X	287.84085	130.64171	264.31808	4.12159	0.0707861	0.22852075	2.6496324	21	8 16.7	19.9
227517 2005 YN_{36}	16.8	X	218.30417	92.23375	311.42662	4.01165	0.1675353	0.21985328	2.7188218	21	5 25.8	21.3
227518 2005 YS_{39}	15.3	X	295.51743	149.00329	311.34937	4.18602	0.0535363	0.17804132	3.1293599	21	11 17.2	19.5
227519 2005 YV_{39}	16.3	X	229.21509	233.21112	108.92545	6.50648	0.0765711	0.20938271	2.8087225	21	3 30.7	20.5
227520 2005 YY_{40}	16.9	X	118.31326	233.70849	159.49852	2.35155	0.0724512	0.20382403	2.8595595	21	1 27.2	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
227521 2005 YE_{42}	15.8	X	257.26955	24.66376	294.20509	7.65275	0.0203385	0.20948402	2.8078169	21	3 31.7	19.9
227522 2005 YD_{46}	16.1	X	293.38054	127.24245	276.16904	11.03528	0.2416454	0.23487219	2.6016467	21	8 7.5	19.3
227523 2005 YZ_{54}	16.3	X	313.42308	263.43650	76.63503	5.75445	0.0534485	0.22905954	2.6454758	21	7 13.9	19.7
227524 2005 YF_{56}	16.5	X	313.26613	346.24163	69.09847	4.19328	0.0909772	0.23868743	2.5738487	21	10 26.2	19.3
227525 2005 YU_{57}	16.0	X	174.56777	260.48859	80.14465	3.18392	0.0665913	0.19974004	2.8984065	21	1 28.7	20.2
227526 2005 YM_{59}	16.3	X	321.07329	220.52003	350.96010	1.92551	0.0793450	0.19962400	2.8995296	21	2 2.7	20.2
227527 2005 YX_{59}	16.5	X	201.34067	45.72569	87.18848	4.64547	0.0958366	0.22928054	2.6437756	21	9 7.8	20.4
227528 2005 YR_{60}	16.5	X	101.08270	45.21593	345.59414	3.09124	0.2046847	0.19795282	2.9158259	21	1 23.8	20.4
227529 2005 YV_{61}	16.4	X	282.26184	36.29647	303.67080	5.25975	0.0532430	0.21943462	2.7222789	21	5 28.8	20.1
227530 2005 YZ_{69}	15.9	X	199.95106	255.93595	100.81623	12.70095	0.2346867	0.20994498	2.8037054	21	3 20.9	21.0
227531 2005 YS_{73}	16.5	X	269.08302	23.06188	337.90399	2.27321	0.1147950	0.22295470	2.6935495	21	5 30.7	20.2
227532 2005 YD_{76}	16.7	X	214.01774	25.56255	22.69579	2.84154	0.0991892	0.22044418	2.7139611	21	5 31.3	20.8
227533 2005 YH_{84}	17.0	X	252.12772	245.00213	185.67529	2.38074	0.1916993	0.22931610	2.6435022	21	7 31.6	20.9
227534 2005 YK_{84}	15.5	X	140.12990	244.68715	132.48127	12.38548	0.1068149	0.20007436	2.8951768	21	2 7.9	19.6
227535 2005 YF_{90}	16.9	X	39.05675	141.68553	231.60847	1.38039	0.1869430	0.24664555	2.5181824	21	—	
227536 2005 YB_{91}	15.6	X	160.12208	38.54108	272.41446	4.96962	0.0308990	0.18946414	3.0022812	21	—	—
227537 2005 YP_{91}	16.8	X	237.14187	144.74563	257.00728	2.74994	0.1078854	0.22154074	2.7049982	21	6 17.1	20.6
227538 2005 YJ_{94}	15.4	X	293.85276	259.66673	92.09967	15.41186	0.1834211	0.22437764	2.6821496	21	6 10.9	18.9
227539 2005 YN_{96}	16.2	X	220.03785	298.27848	0.22869	1.28988	0.0778440	0.19802912	2.9150769	21	1 25.9	20.7
227540 2005 YL_{102}	16.7	X	121.84954	191.78966	202.34409	1.26614	0.0052988	0.20022890	2.8936869	21	1 23.9	20.8
227541 2005 YR_{113}	16.3	X	150.13033	60.53993	76.09147	5.86626	0.1063934	0.22091559	2.7100989	21	7 17.7	20.4
227542 2005 YN_{115}	15.7	X	185.24903	182.21176	99.09180	8.48972	0.2156355	0.18666671	3.0322020	21	—	—
227543 2005 YP_{120}	16.4	X	265.37221	104.35296	224.97888	2.55290	0.0947537	0.21409787	2.7673313	21	4 18.2	20.2
227544 2005 YZ_{124}	16.1	X	54.63704	267.31241	92.14270	13.54856	0.0764992	0.24664597	2.5181796	21	—	—
227545 2005 YZ_{128}	15.9	X	220.01906	295.13043	105.06725	7.34072	0.0431951	0.21873575	2.7280743	21	6 1.8	19.8
227546 2005 YQ_{135}	16.6	X	276.78257	50.78310	330.06800	3.29386	0.1289055	0.22703789	2.6611569	21	7 5.3	20.0
227547 2005 YS_{136}	16.4	X	261.30063	353.40922	28.59645	2.19968	0.0290416	0.22188367	2.7022104	21	7 1.3	20.0
227548 2005 YL_{138}	16.4	X	206.33327	265.20519	62.56532	2.77230	0.0367210	0.20200030	2.8767450	21	2 15.9	20.5
227549 2005 YT_{144}	16.2	X	225.43699	239.73733	96.83191	3.22128	0.0714260	0.20552351	2.8437738	21	3 18.8	20.4
227550 2005 YD_{150}	15.8	X	272.87559	248.73919	63.18244	4.49287	0.0852234	0.21105584	2.7938589	21	4 8.6	19.7
227551 2005 YL_{157}	17.0	X	258.12729	203.05832	227.33581	3.25611	0.2240824	0.23259532	2.6185974	21	8 2.4	20.9
227552 2005 YK_{167}	16.9	X	149.58399	189.67100	241.65841	3.22285	0.0850776	0.21101721	2.7941999	21	4 21.3	21.0
227553 2005 YX_{167}	16.3	X	149.48956	35.09426	347.58924	3.10778	0.0871505	0.20929773	2.8094827	21	2 21.3	20.4
227554 2005 YK_{170}	16.4	X	284.28485	163.99548	143.33344	5.76000	0.0385726	0.21254976	2.7807523	21	4 23.9	20.3
227555 2005 YH_{174}	16.1	X	168.08858	340.59457	73.65820	5.84811	0.1574324	0.21317966	2.7752719	21	4 26.1	20.5
227556 2005 YB_{176}	16.5	X	198.77517	24.63259	320.92247	1.07489	0.0810552	0.20469403	2.8514511	21	2 27.9	20.7
227557 2005 YN_{178}	16.3	X	260.07435	163.97599	156.77454	3.37510	0.1322273	0.21125351	2.7921158	21	3 29.8	20.4
227558 2005 YQ_{182}	15.5	X	77.36793	245.90370	269.70144	10.83427	0.1620730	0.20965415	2.8062977	21	5 22.8	19.2
227559 2005 YW_{184}	17.0	X	133.25201	321.09413	167.26276	1.50209	0.0433481	0.21761738	2.7374131	21	6 11.3	20.8
227560 2005 YE_{185}	16.1	X	274.75453	203.42032	125.47727	7.57295	0.0568455	0.21351989	2.7723230	21	5 7.8	20.0
227561 2005 YX_{189}	15.9	X	355.54843	195.35752	243.10561	4.97265	0.1236562	0.18671896	3.0316363	21	—	—
227562 2005 YM_{190}	16.5	X	266.36510	19.36961	335.72204	1.33071	0.0922248	0.21871340	2.7282602	21	5 22.9	20.4
227563 2005 YP_{190}	16.4	X	74.29701	63.28495	104.42837	1.79947	0.0097621	0.21378075	2.7700673	21	5 12.9	20.1
227564 2005 YV_{192}	16.4	X	179.93624	302.28486	103.70280	1.70340	0.0703154	0.21025515	2.8009474	21	4 23.5	20.6
227565 2005 YN_{193}	16.0	X	246.45140	167.43804	112.31130	3.04816	0.0509148	0.19816074	2.9137859	21	2 1.8	20.3
227566 2005 YQ_{199}	16.5	X	235.58673	105.55241	291.14180	1.28627	0.0844202	0.21948097	2.7218956	21	6 10.9	20.4
227567 2005 YY_{200}	16.5	X	215.33130	83.93084	10.02285	1.26638	0.0502247	0.22469716	2.6796063	21	8 5.5	20.1
227568 2005 YL_{205}	16.6	X	296.38247	148.03778	260.86941	1.95960	0.1262138	0.23315615	2.6143965	21	9 11.3	19.7
227569 2005 YT_{206}	17.3	X	259.55135	130.50965	302.10642	1.58324	0.1181148	0.23037175	2.6354204	21	8 22.9	20.9
227570 2005 YH_{210}	16.2	X	303.84467	346.16039	69.43534	10.33003	0.1112534	0.23761988	2.5815519	21	10 12.7	19.3
227571 2005 YW_{214}	16.0	X	211.14626	61.04743	64.30676	14.69815	0.0919190	0.22944231	2.6425327	21	9 15.6	20.2
227572 2005 YT_{217}	16.7	X	222.07303	135.83535	298.19765	2.34505	0.1172957	0.22749748	2.6575717	21	7 11.7	20.7
227573 2005 YO_{221}	16.7	X	322.59654	296.38354	20.56580	2.40942	0.0668979	0.22610257	2.6684909	21	6 23.1	20.0
227574 2005 YR_{223}	15.8	X	345.86987	181.54072	93.26441	10.54019	0.1916576	0.21898128	2.7260347	21	5 22.9	18.6
227575 2005 YP_{229}	15.9	X	272.77582	235.86735	65.89568	6.19846	0.1503396	0.21218269	2.7839584	21	3 20.1	20.1
227576 2005 YZ_{231}	16.3	X	29.71422	270.73416	267.05978	2.37788	0.0317942	0.21055745	2.7982658	21	3 26.7	20.1
227577 2005 YO_{240}	16.8	X	132.23933	111.65746	331.23203	2.91604	0.0709145	0.20935132	2.8090033	21	4 14.1	20.9
227578 2005 YJ_{252}	16.6	X	124.26374	8.99234	122.13830	4.58530	0.0310551	0.21629335	2.7485730	21	6 2.7	20.4
227579 2005 YB_{260}	15.9	X	274.82516	206.27592	87.21523	5.24479	0.0367393	0.20910296	2.8112271	21	3 26.3	19.9
227580 2005 YT_{273}	16.1	X	233.26356	164.14428	258.45940	7.65943	0.0428788	0.22263282	2.6961451	21	7 15.9	19.8
227581 2005 YH_{275}	16.6	X	238.87102	93.35346	321.38992	5.41812	0.1700974	0.22402375	2.6849735	21	6 30.1	20.7
227582 2005 YY_{277}	16.8	X	70.24855	82.63319	76.59423	1.33645	0.0253689	0.21546781	2.7555890	21	4 27.9	20.3
227583 2006 AU_{2}	15.9	X	163.49850	78.70342	72.46054	13.68940	0.0847171	0.22756227	2.6570673	21	8 24.9	20.1
227584 2006 AE_{4}	16.4	X	329.84022	341.14813	101.46213	13.77815	0.2122804	0.24433430	2.5340378	21	—	—
227585 2006 AT_{5}	16.3	X	218.52085	54.32771	35.29996	13.25224	0.2329212	0.22526144	2.6751295	21	7 23.2	21.0
227586 2006 AC_{9}	15.8	X	195.64455	58.47138	68.28599	14.00363	0.1340866	0.22418339	2.6836987	21	8 26.5	20.3
227587 2006 AC_{18}	15.7	X	254.97776	10.88137	301.35382	11.50848	0.0397205	0.20522217	2.8465568	21	3 16.9	20.1
227588 2006 AH_{18}	15.8	X	114.64198	201.99011	306.17757	7.31387	0.2298913	0.21313216	2.7756842	21	7 6.6	20.1
227589 2006 AA_{20}	15.6	X	255.61694	303.94362	91.57238	15.21084	0.1711286	0.22609924	2.6685170	21	6 22.5	19.6
227590 2006 AB_{23}	16.1	X	259.92794	348.79395	310.71655	1.09186	0.0706949	0.20600968	2.8392979	21	3 9.2	20.1
227591 2006 AR_{23}	15.9	X	239.61110	198.86376	116.20978	3.13251	0.0543953	0.20323151	2.8651147	21	3 8.9	20.0
227592 2006 AO_{27}	16.1	X	158.97681	96.26729	210.61880	2.44700	0.1158074	0.18805893	3.0172183	21	—	—
227593 2006 AG_{29}	15.9	X	168.69710	280.47683	123.39585	9.97438	0.1709373	0.20991651	2.8039590	21	4 17.5	20.6
227594 2006 AB_{32}	15.9	X	218.11909	9.14850	57.88610	10.74071	0.1080239	0.22209125	2.7005263	21	6 28.8	20.0
227595 2006 AX_{37}	15.5	X	274.65933	201.72832	121.19275	12.57385	0.0836355	0.21193854	2.7860961	21	4 28.9	19.6
227596 2006 AV_{41}	16.5	X	192.01112	172.34967	230.32455	2.80730	0.0987519	0.21321399	2.7749740	21	5 1.6	20.7
227597 2006 AF_{42}	16.0	X	186.17993	35.94928	260.29613	2.56089	0.1950323	0.18939455	3.0030166	21	—	—
227598 2006 AU_{42}	16.4	X	85.16345	352.19579	150.10341	4.34675	0.0417421	0.20888207	2.8132086	21	4 29.9	20.1
227599 2006 AZ_{48}	16.6	X	246.43287	16.23114	267.17962	1.04240	0.0314585	0.20144627	2.8820171	21	2 6.4	20.6
227600 2006 AU_{52}	16.2	X	115.02312	156.12369	200.56050	2.59712	0.0221749	0.19021579	2.9943668	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
227601 2006 AB_{55}	16.4	X	127.44641	317.26112	163.53527	4.53535	0.0162503	0.21391844	2.7688785	21	5 22.7	20.2
227602 2006 AD_{68}	16.3	X	241.67545	147.24492	147.18224	2.59686	0.0442290	0.19925198	2.9031376	21	2 14.1	20.6
227603 2006 AH_{68}	16.6	X	106.50092	238.87835	306.59762	0.80226	0.1538567	0.21753489	2.7381050	21	8 6.4	20.5
227604 2006 AV_{68}	15.6	X	186.77493	212.08875	130.09624	8.87297	0.0782634	0.19924489	2.9032065	21	2 13.1	20.0
227605 2006 AM_{70}	15.9	X	72.91914	255.70453	287.78524	3.08593	0.0094601	0.21444029	2.7643845	21	5 31.2	19.6
227606 2006 AQ_{70}	16.6	X	111.41972	20.64713	140.26578	4.52857	0.0482547	0.21673105	2.7448711	21	6 27.5	20.3
227607 2006 AD_{71}	16.4	X	17.31407	336.06415	282.70688	3.02146	0.0363353	0.21666642	2.7454169	21	6 27.4	19.7
227608 2006 AH_{71}	16.6	X	187.22651	116.66322	295.27516	7.87237	0.2186660	0.21542161	2.7559830	21	5 6.9	21.4
227609 2006 AK_{78}	16.3	X	242.16396	131.38505	134.65028	1.28026	0.0422561	0.19651636	2.9300177	21	1 12.1	20.6
227610 2006 AT_{84}	16.3	X	55.92774	100.44739	42.61008	2.02157	0.1733585	0.20268482	2.8702644	21	4 5.3	19.6
227611 2006 AJ_{95}	16.4	X	205.41332	138.32530	172.66674	2.02670	0.0559783	0.19824170	2.9129926	21	1 24.9	20.8
227612 2006 AO_{96}	15.8	X	149.78292	225.85627	279.44289	4.25131	0.0847487	0.21890863	2.7266379	21	7 26.1	19.7
227613 2006 AF_{100}	16.4	X	140.04499	106.52089	334.77327	1.72932	0.0918050	0.20476536	2.8507889	21	4 24.4	20.7
227614 2006 BJ_{1}	16.5	X	192.37273	309.16064	123.24556	2.33290	0.1701242	0.21836303	2.7311778	21	6 8.1	20.9
227615 2006 BD_{5}	17.5	X	229.08241	156.45858	288.18384	1.12333	0.1793036	0.22720439	2.6598567	21	7 27.2	21.5
227616 2006 BF_{10}	16.3	X	277.53563	294.63506	324.47973	2.15480	0.1084816	0.19781085	2.9172209	21	2 5.1	20.4
227617 2006 BP_{10}	16.4	X	21.84151	48.09600	110.06641	2.30944	0.1023770	0.19935726	2.9021154	21	2 21.6	19.8
227618 2006 BZ_{13}	16.4	X	222.80240	305.97250	290.17239	0.81116	0.0444604	0.18738801	3.0244159	21	—	—
227619 2006 BH_{26}	16.1	X	225.70080	168.41679	281.68732	4.12275	0.0866760	0.22398697	2.6852675	21	8 7.7	19.9
227620 2006 BO_{33}	15.9	X	145.54555	14.25696	29.70163	2.38686	0.0514201	0.19816568	2.9137375	21	3 12.9	20.1
227621 2006 BU_{43}	16.3	X	189.91559	294.07067	155.61316	12.23169	0.2560224	0.21961907	2.7207545	21	6 26.5	21.3
227622 2006 BF_{46}	16.5	X	194.39178	74.50419	301.66949	0.37952	0.0870940	0.20362003	2.8614691	21	4 1.8	20.9
227623 2006 BW_{49}	16.8	X	189.01439	286.34502	67.59351	2.98910	0.0842262	0.20237516	2.8731915	21	3 2.0	21.1
227624 2006 BX_{59}	15.8	X	175.61733	303.15116	340.95614	3.00793	0.0686788	0.18394853	3.0619999	21	—	—
227625 2006 BG_{60}	16.6	X	205.35091	92.68057	246.84144	0.64654	0.0537410	0.19797373	2.9156205	21	2 28.1	20.8
227626 2006 BG_{62}	16.4	X	179.82942	118.28613	84.67807	13.31755	0.1819798	0.23159456	2.6261356	21	11 9.7	20.8
227627 2006 BS_{65}	16.1	X	197.03916	355.54416	64.86852	2.98521	0.0642054	0.21523780	2.7575519	21	5 30.0	20.1
227628 2006 BN_{73}	16.2	X	100.10297	104.45651	56.47640	3.14029	0.0082906	0.21375625	2.7702790	21	6 6.6	19.8
227629 2006 BT_{77}	16.1	X	195.40858	263.91847	99.70488	3.10864	0.0808695	0.20464182	2.8519361	21	3 20.1	20.3
227630 2006 BR_{84}	15.7	X	261.12244	227.35503	358.01891	1.92999	0.0362085	0.19013109	2.9952561	21	—	—
227631 2006 BT_{86}	16.3	X	200.68005	345.56020	21.93306	2.07582	0.0934646	0.20601665	2.8392339	21	3 28.9	20.5
227632 2006 BX_{87}	15.6	X	202.46608	180.42919	96.36035	2.69235	0.1386888	0.18570221	3.0426921	21	—	—
227633 2006 BY_{91}	16.2	X	90.11019	240.97058	306.72974	3.90373	0.0934340	0.21330102	2.7742191	21	7 12.7	20.0
227634 2006 BV_{93}	15.7	X	174.40008	119.52388	156.83561	10.24159	0.0389068	0.18006322	3.1058898	21	—	—
227635 2006 BU_{94}	15.6	X	131.60006	10.71103	324.09132	10.52977	0.0260675	0.18351352	3.0668368	21	—	—
227636 2006 BX_{94}	15.7	X	178.35650	115.04015	124.86019	2.17701	0.1450301	0.17258941	3.1949197	21	12 11.9	20.9
227637 2006 BG_{95}	15.4	X	50.32985	235.62420	159.53338	13.64391	0.1372583	0.18175079	3.0866343	21	—	—
227638 2006 BM_{95}	15.9	X	26.80171	317.76742	320.67936	3.83144	0.0640829	0.21704143	2.7422536	21	8 10.4	19.3
227639 2006 BS_{95}	15.8	X	248.54324	42.87812	170.06720	2.27169	0.0729848	0.18077254	3.0977598	21	—	—
227640 2006 BT_{98}	16.6	X	138.77831	299.59709	206.81931	3.34124	0.1806418	0.21685692	2.7438089	21	7 21.6	21.1
227641 Nothomb	16.5	X	172.04317	230.68725	157.63995	2.48119	0.0772552	0.20282880	2.8689059	21	3 24.7	20.8
227642 2006 BW_{103}	15.2	X	70.93371	81.44865	323.80333	10.41219	0.0248701	0.18636917	3.0354285	21	—	—
227643 2006 BO_{107}	16.2	X	226.38047	279.89797	122.88130	3.36139	0.0704178	0.21827663	2.7318985	21	6 9.9	20.1
227644 2006 BB_{110}	16.2	X	349.16925	95.40946	95.55164	3.78502	0.0129707	0.19903570	2.9052403	21	2 22.8	20.2
227645 2006 BS_{110}	15.8	X	173.00094	250.03109	86.70146	3.24907	0.1022991	0.19424957	2.9527681	21	1 25.7	20.4
227646 2006 BF_{120}	16.2	X	37.89299	246.72861	259.66953	2.24565	0.0856516	0.19819355	2.9134643	21	3 1.7	19.8
227647 2006 BY_{120}	15.7	X	24.65010	227.56941	187.39485	3.95844	0.0408344	0.18064561	3.0992107	21	—	—
227648 2006 BO_{128}	15.7	X	193.93016	111.02482	144.81714	4.56771	0.1045654	0.17857420	3.1231313	21	—	—
227649 2006 BB_{133}	15.5	X	223.01214	333.18039	305.92492	4.44337	0.1381392	0.18604187	3.0389876	21	1 7.2	20.3
227650 2006 BP_{134}	15.6	X	89.96698	229.84852	102.96191	2.71571	0.1581856	0.18082409	3.0971710	21	—	—
227651 2006 BH_{141}	15.6	X	264.68714	301.89739	322.05342	4.40381	0.0651691	0.19732407	2.9220166	21	2 1.8	19.9
227652 2006 BY_{142}	16.2	X	109.48509	67.47764	307.85186	2.04079	0.0190380	0.18582836	3.0413149	21	—	—
227653 2006 BQ_{143}	16.3	X	76.00200	354.52710	136.71888	2.86262	0.0134254	0.20429660	2.8551479	21	3 30.5	20.1
227654 2006 BA_{150}	15.2	X	83.90653	324.82286	79.85665	10.53685	0.0602306	0.19227116	2.9729889	21	—	—
227655 2006 BA_{152}	16.3	X	266.95850	215.64321	83.96613	3.20517	0.0393881	0.20314793	2.8659006	21	3 23.6	20.3
227656 2006 BC_{157}	15.3	X	92.79133	219.64515	146.60667	16.04309	0.0409798	0.18145491	3.0899888	21	—	—
227657 2006 BZ_{157}	16.0	X	335.29594	106.84078	30.06364	1.47778	0.0922690	0.18458794	3.0549246	21	—	—
227658 2006 BK_{172}	16.3	X	160.33999	161.34577	225.08850	1.20577	0.0779571	0.20331000	2.8643773	21	3 8.7	20.4
227659 2006 BU_{173}	16.4	X	318.81960	264.09640	251.05423	1.67019	0.0075867	0.18915925	3.0055064	21	—	—
227660 2006 BD_{174}	15.6	X	102.26765	234.63139	87.41466	5.89326	0.1599685	0.17909616	3.1170603	21	—	—
227661 2006 BO_{192}	15.4	X	128.80791	172.50090	150.81117	9.98215	0.0791341	0.18270455	3.0758830	21	—	—
227662 2006 BR_{199}	15.9	X	299.56254	37.80608	43.76277	0.89520	0.1514463	0.17104801	3.2140850	21	10 19.5	19.9
227663 2006 BF_{201}	16.6	X	263.40605	249.25101	160.48056	4.37393	0.0903460	0.22771561	2.6558743	21	7 31.7	20.2
227664 2006 BZ_{201}	16.0	X	49.29912	26.81092	103.15062	3.26608	0.0184326	0.19857326	2.9097490	21	2 23.7	20.0
227665 2006 BD_{204}	16.2	X	167.64293	287.64477	358.70233	2.87034	0.1308394	0.18127484	3.0920347	21	—	—
227666 2006 BC_{208}	15.5	X	147.69522	180.28552	200.76872	6.29150	0.0711441	0.19633474	2.9318244	21	2 15.1	19.8
227667 2006 BG_{210}	15.4	X	7.86563	203.01975	304.86857	8.84215	0.0482211	0.19227337	2.9729661	21	1 22.2	19.3
227668 2006 BE_{227}	15.9	X	296.26176	203.40641	316.10071	0.39558	0.1914298	0.18101970	3.0949395	21	—	—
227669 2006 BH_{231}	15.9	X	306.29719	141.44794	78.36793	3.77621	0.0683938	0.19586013	2.9365588	21	1 28.0	19.9
227670 2006 BZ_{238}	16.7	X	296.90865	51.53754	239.72389	3.48430	0.0363369	0.21112490	2.7932496	21	4 16.7	20.3
227671 2006 BT_{250}	15.9	X	108.97528	320.24500	22.54343	0.64553	0.0586908	0.18171066	3.0870888	21	—	—
227672 2006 BK_{260}	15.7	X	122.73784	179.90387	115.29858	3.14625	0.0930946	0.17356126	3.1829820	21	12 24.2	20.5
227673 2006 CQ_{12}	16.5	X	294.70989	44.42192	146.62879	2.36177	0.0345416	0.18899808	3.0072149	21	—	—
227674 2006 CY_{13}	15.8	X	134.40560	32.57825	297.17477	1.79222	0.0958264	0.18540488	3.0459442	21	—	—
227675 2006 CM_{17}	15.8	X	141.88540	129.87947	183.37240	3.76263	0.1399583	0.18489811	3.0515073	21	—	—
227676 2006 CA_{18}	15.9	X	131.40525	28.56078	79.12749	3.47431	0.0995935	0.20986262	2.8044390	21	5 19.9	19.9
227677 2006 CT_{19}	16.5	X	210.81478	199.13809	204.18087	1.39792	0.0998971	0.21517067	2.7581253	21	5 22.3	20.7
227678 2006 CS_{22}	16.0	X	181.47680	302.81026	40.42152	1.16290	0.0544777	0.19275792	2.9679818	21	2 8.3	20.3
227679 2006 CG_{33}	16.1	X	163.38346	21.61463	41.73950	9.81442	0.1448106	0.21213752	2.7843536	21	4 30.7	20.5
227680 2006 CR_{35}	15.9	X	190.76144	314.54533	85.47703	5.42467	0.0758533	0.21197125	2.7858094	21	4 28.9	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
227681 2006 CJ_{42}	15.7	X	46.19840	111.34865	312.99594	9.72552	0.0539362	0.18414525	3.0598187	21	—	—
227682 2006 CP_{48}	16.6	X	213.01387	191.54535	195.63232	3.06226	0.1005038	0.21323498	2.7747919	21	5 4.5	20.9
227683 2006 CO_{49}	15.8	X	119.53280	197.37337	320.01525	4.52627	0.0538987	0.21557390	2.7546850	21	7 4.4	19.7
227684 2006 CQ_{62}	15.1	X	228.07664	146.93833	123.04129	12.24242	0.0206005	0.18863732	3.0110477	21	1 3.6	19.5
227685 2006 CR_{62}	16.2	X	51.52509	105.09317	66.49061	3.85463	0.1168381	0.20368496	2.8608609	21	4 30.0	19.5
227686 2006 DQ_{2}	15.5	X	278.29783	11.12467	139.60823	2.38529	0.1339239	0.17734389	3.1375590	21	12 17.0	19.5
227687 2006 DE_{6}	15.3	X	181.98421	181.92727	116.58982	10.87338	0.0343899	0.18576776	3.0419763	21	—	—
227688 2006 DN_{16}	15.8	X	353.87726	100.06122	354.17954	8.73809	0.0468427	0.18209270	3.0827693	21	—	—
227689 2006 DA_{17}	16.7	X	95.25355	18.29275	70.34566	3.25084	0.0334275	0.19869149	2.9085946	21	3 5.4	20.7
227690 2006 DK_{23}	16.2	X	16.11020	56.42870	93.76729	1.72687	0.0262171	0.19316949	2.9637645	21	2 6.1	20.0
227691 2006 DA_{24}	15.8	X	148.86226	220.06649	118.78042	3.24456	0.0670690	0.18573001	3.0423884	21	—	—
227692 2006 DZ_{33}	15.3	X	339.06015	251.08353	173.74249	13.04544	0.0546724	0.16988018	3.2287983	21	12 3.9	19.8
227693 2006 DR_{36}	16.8	X	265.70463	144.26554	341.85576	3.31985	0.2088775	0.23467600	2.6030965	21	10 27.3	20.0
227694 2006 DF_{39}	15.9	X	96.12907	310.22776	154.88809	4.76342	0.2296695	0.20146266	2.8818609	21	4 24.7	20.0
227695 2006 DK_{44}	15.6	X	265.12036	296.51712	252.91253	2.65033	0.1430698	0.18033688	3.1027469	21	—	—
227696 2006 DN_{49}	16.5	X	160.04283	47.95856	350.29961	1.87366	0.0378799	0.19946941	2.9010275	21	3 20.3	20.6
227697 2006 DG_{57}	14.7	X	341.25244	331.58359	134.51377	22.25442	0.1023434	0.17840683	3.1250843	21	—	—
227698 2006 DL_{60}	15.8	X	260.98000	216.52066	359.28551	4.02916	0.0864705	0.17959518	3.1112836	21	—	—
227699 2006 DB_{62}	14.9	X	25.81818	340.57551	104.13945	18.05960	0.1048868	0.18359791	3.0658970	21	—	—
227700 2006 DV_{65}	16.3	X	262.35316	295.47801	168.89788	7.56857	0.1554489	0.23159588	2.6261256	21	10 4.3	19.6
227701 2006 DJ_{74}	15.8	X	238.55634	330.22845	83.92454	3.17458	0.0780036	0.21585739	2.7522725	21	7 8.5	19.6
227702 2006 DY_{80}	16.0	X	44.40845	90.57755	311.13538	1.57119	0.0881557	0.17948905	3.1125099	21	—	—
227703 2006 DU_{82}	16.1	X	28.55651	287.06107	171.47602	4.89586	0.1638101	0.18824098	3.0152727	21	—	—
227704 2006 DU_{86}	15.8	X	58.57707	293.93392	112.38729	2.66163	0.1089650	0.18226368	3.0808411	21	—	—
227705 2006 DN_{90}	16.3	X	230.97118	300.83207	95.38973	1.27761	0.1399355	0.21082587	2.7958902	21	5 31.8	20.6
227706 2006 DG_{93}	16.1	X	311.22309	187.65384	358.19779	2.23094	0.0529780	0.18521786	3.0479942	21	—	—
227707 2006 DA_{102}	15.9	X	234.51477	190.48128	87.66379	2.28638	0.0463433	0.18893383	3.0078966	21	1 19.6	20.2
227708 2006 DT_{102}	15.7	X	134.62166	311.29726	135.77242	2.87544	0.0336620	0.20335525	2.8639523	21	4 20.9	19.7
227709 2006 DB_{110}	15.7	X	18.25419	71.21059	0.74717	10.30877	0.1363268	0.17894800	3.1187805	21	—	—
227710 2006 DF_{111}	15.0	X	295.80600	82.29967	36.19879	12.75501	0.0978695	0.17441470	3.1725903	21	12 3.7	19.2
227711 2006 DP_{114}	15.3	X	274.32161	160.97462	29.03074	16.64780	0.2133576	0.18064623	3.0992036	21	—	—
227712 2006 DA_{116}	15.8	X	194.03873	211.43560	66.88201	3.01111	0.0472265	0.17884686	3.1199562	21	—	—
227713 2006 DZ_{125}	15.6	X	98.24276	194.65116	165.81727	10.90725	0.0784402	0.18289268	3.0737732	21	—	—
227714 2006 DQ_{142}	15.8	X	297.17324	105.71037	33.93703	3.98849	0.1216468	0.17802715	3.1295259	21	—	—
227715 2006 DC_{169}	15.9	X	15.70089	88.34596	30.04709	6.00045	0.1667163	0.18844953	3.0130477	21	—	—
227716 2006 DQ_{188}	15.9	X	19.52403	298.73992	134.61395	3.46258	0.0640471	0.17886801	3.1197103	21	—	—
227717 2006 DL_{189}	16.2	X	221.30600	222.50086	34.16293	2.92822	0.0399492	0.18123366	3.0925031	21	—	—
227718 2006 DC_{197}	15.8	X	232.25779	255.70236	309.42211	12.46746	0.1410236	0.23898464	2.5717143	21	—	—
227719 2006 DK_{197}	15.5	X	85.25663	244.94279	244.77301	11.77749	0.0523922	0.20312406	2.8661250	21	4 10.7	19.5
227720 2006 DF_{207}	15.5	X	184.62130	59.07974	185.22369	10.68418	0.0423664	0.17191431	3.2032785	21	12 27.9	20.4
227721 2006 DU_{208}	15.0	X	320.08280	315.66420	195.03129	15.18976	0.1148934	0.17904494	3.1176547	21	—	—
227722 2006 EQ	15.0	X	304.55442	139.87886	45.06953	10.41734	0.0740925	0.18233708	3.0800143	21	—	—
227723 2006 EM_{8}	16.1	X	226.10845	97.63526	114.04643	1.44989	0.1489850	0.17414381	3.1758796	21	12 24.0	20.7
227724 2006 EE_{21}	16.2	X	171.18670	135.48637	143.92084	2.84553	0.0717741	0.17908917	3.1171414	21	—	—
227725 2006 EW_{28}	16.3	X	106.41860	99.66691	302.40093	0.53517	0.0576496	0.19043652	2.9920526	21	1 24.3	20.5
227726 2006 EA_{29}	16.5	X	331.40833	320.63157	216.17538	0.65409	0.0207729	0.18919606	3.0051166	21	1 13.6	20.7
227727 2006 EF_{35}	16.1	X	236.52208	311.15269	84.06759	2.61171	0.1437265	0.21135489	2.7912229	21	6 4.9	20.5
227728 2006 EB_{43}	15.0	X	269.24698	108.15579	45.94947	13.05587	0.1242509	0.17290060	3.1910850	21	12 7.5	19.4
227729 2006 EG_{56}	15.8	X	358.09451	341.69661	191.58674	7.30426	0.0955071	0.19315376	2.9639254	21	2 3.0	19.7
227730 2006 EG_{60}	15.3	X	359.73110	265.03214	188.78606	9.12650	0.1100727	0.17988570	3.1079328	21	—	—
227731 2006 EY_{62}	15.7	X	58.73070	158.96493	267.34044	2.90465	0.0653990	0.18358401	3.0660517	21	—	—
227732 2006 FM_{2}	16.1	X	314.89111	5.10196	203.83585	3.59840	0.1204177	0.19200996	2.9756844	21	1 17.1	20.1
227733 2006 FK_{14}	15.5	X	266.12791	126.94457	33.56897	4.92430	0.1160659	0.17182162	3.2044304	21	12 13.3	19.8
227734 2006 FU_{14}	16.4	X	93.59600	291.50116	154.86649	2.77728	0.1232920	0.19301993	2.9652953	21	3 12.9	20.4
227735 2006 FL_{16}	15.7	X	38.13824	267.78971	210.08341	2.59898	0.0544743	0.18912746	3.0058432	21	1 26.1	19.5
227736 2006 FP_{19}	16.2	X	341.33822	107.67775	33.93078	1.87420	0.1291859	0.18109711	3.0940574	21	—	—
227737 2006 FW_{20}	15.8	X	351.16733	354.30732	179.20548	11.14886	0.0474685	0.19271217	2.9684514	21	1 29.1	19.9
227738 2006 FT_{25}	16.0	X	289.92269	120.10931	47.51006	1.98191	0.1568847	0.17755140	3.1351138	21	—	—
227739 2006 FV_{30}	16.0	X	11.44851	16.53083	99.34792	1.97665	0.0851364	0.18628808	3.0363092	21	—	—
227740 2006 FT_{45}	15.7	X	281.36360	132.73274	62.45829	2.32374	0.1374488	0.18031679	3.1029774	21	—	—
227741 2006 GV_{17}	16.1	X	355.65417	358.62341	102.16788	2.54000	0.1327181	0.17808936	3.1287971	21	—	—
227742 2006 GQ_{49}	15.1	X	290.42717	116.10767	48.15897	10.60457	0.1720073	0.17796035	3.1303090	21	—	—
227743 2006 HS_{11}	15.4	X	324.68154	244.75287	187.59036	14.86167	0.2109240	0.17169403	3.2060178	21	11 17.7	18.9
227744 2006 HW_{22}	15.6	X	313.70027	85.11984	52.34486	10.93225	0.1158202	0.17478484	3.1681097	21	—	—
227745 2006 HJ_{23}	15.8	X	29.71523	50.27784	77.53795	3.42105	0.1044468	0.18664303	3.0324585	21	1 28.9	19.4
227746 2006 HJ_{36}	15.9	X	341.00631	114.50138	43.55838	6.82534	0.2003132	0.18688068	3.0298871	21	—	—
227747 2006 HP_{54}	15.7	X	306.02599	306.08345	213.46480	11.69731	0.1079129	0.17874394	3.1211538	21	—	—
227748 2006 HX_{56}	15.7	X	8.66063	348.48556	150.44452	4.82766	0.1910213	0.18687670	3.0299302	21	1 1.4	19.0
227749 2006 HG_{58}	15.1	X	52.97929	2.86562	85.21401	11.92888	0.0712392	0.18337553	3.0683752	21	1 13.3	19.1
227750 2006 HV_{58}	15.6	X	277.57257	162.66968	31.08284	5.30778	0.1703690	0.17652007	3.1473134	21	—	—
227751 2006 HN_{61}	15.9	X	322.89373	10.93375	116.27823	2.12303	0.1395970	0.17706047	3.1409063	21	—	—
227752 2006 HF_{88}	16.4	X	55.08603	180.56520	320.19192	0.60895	0.1372533	0.19588685	2.9362916	21	3 27.5	19.7
227753 2006 HH_{88}	16.1	X	332.16256	249.57229	299.19460	0.59568	0.0484222	0.18732361	3.0251091	21	1 26.2	20.0
227754 2006 HV_{108}	15.2	X	333.85198	116.11032	94.52383	11.75785	0.0485977	0.18744051	3.0238511	21	2 28.9	19.4
227755 2006 JY_{8}	15.1	X	313.65664	297.38003	305.98550	1.81445	0.1065034	0.12357886	3.9918412	21	3 11.5	20.5
227756 2006 JL_{46}	15.7	X	276.62557	123.62152	44.97488	18.81929	0.0775657	0.17298022	3.1901058	21	—	—
227757 2006 KX_{14}	14.7	X	234.22389	157.98753	90.11735	21.90540	0.0705702	0.17520676	3.1630215	21	—	—
227758 2006 KN_{113}	14.7	X	244.51237	157.50031	104.61631	17.53960	0.0933147	0.17940906	3.1134350	21	1 10.1	19.4
227759 2006 MQ_{10}	13.0	X	34.58583	82.82840	294.06536	7.44787	0.1043345	0.08268935	5.2179871	21	12 5.6	19.6
227760 2006 MZ_{13}	16.6	X	315.44719	193.21540	77.66627	26.58476	0.2422989	0.38452861	1.8729102	21	3 2.1	19.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
227761 2006 QF_{6}	16.8	X	186.34879	250.12088	153.11790	23.49959	0.0838859	0.37773541	1.8952983	21	4 18.5	19.5
227762 2006 QH_{163}	17.1	X	125.41087	316.78605	53.80499	22.96851	0.1026005	0.35998887	1.9570864	21	—	—
227763 2006 RC_{2}	17.7	X	107.34242	214.04182	188.07260	21.98235	0.1097436	0.36065242	1.9546852	21	—	—
227764 2006 SU_{59}	17.4	X	234.49189	5.89074	321.87186	8.12132	0.2866453	0.30578926	2.1819991	21	2 23.9	21.3
227765 2006 SP_{393}	17.1	X	82.97565	53.21974	265.58695	2.66916	0.2080791	0.27028168	2.3691450	21	—	—
227766 2006 TT_{87}	17.4	X	219.70567	279.39366	23.51785	7.93654	0.1144718	0.29334302	2.2432906	21	1 16.7	20.7
227767 Enkibilal	18.1	X	224.40285	142.94362	225.96063	1.29418	0.0775962	0.30389454	2.1910592	21	4 16.1	20.7
227768 2006 UM_{72}	17.4	X	254.93277	345.37045	302.18666	4.26902	0.1594482	0.30240676	2.1982397	21	1 27.4	20.5
227769 2006 UX_{88}	17.4	X	223.72339	81.68923	285.16733	1.01746	0.0402238	0.30356709	2.1926346	21	4 13.8	20.1
227770 Wischnewski	17.8	X	209.33046	249.27927	120.57305	4.25641	0.1438404	0.30242180	2.1981669	21	4 1.9	21.0
227771 2006 VG_{35}	17.2	X	29.01765	347.72318	234.04207	4.66220	0.0926612	0.30588016	2.1815668	21	5 21.6	19.0
227772 2006 VL_{37}	17.8	X	205.55683	356.21865	6.87954	6.36110	0.2100988	0.30160785	2.2021198	21	3 19.7	21.2
227773 2006 VR_{91}	17.7	X	148.83782	279.18030	184.05590	1.22341	0.0925778	0.29962954	2.2118022	21	5 29.2	20.5
227774 2006 VV_{95}	17.3	X	280.41923	290.71437	43.11727	8.38153	0.1586430	0.30854376	2.1689933	21	4 26.7	19.8
227775 2006 VS_{110}	17.1	X	21.19626	156.04957	35.89346	8.16496	0.1033280	0.29536227	2.2330547	21	3 23.4	19.1
227776 2006 VO_{124}	17.8	X	350.84839	233.38549	55.31198	6.58517	0.0917353	0.31149934	2.1552515	21	6 25.8	19.5
227777 2006 VW_{127}	17.3	X	355.07028	259.53232	353.33472	4.71627	0.1478783	0.30603331	2.1808389	21	4 27.0	18.8
227778 2006 VO_{133}	16.8	X	284.60997	12.88258	345.37400	3.29625	0.1182805	0.31278403	2.1493460	21	6 13.5	19.2
227779 2006 VR_{136}	17.3	X	78.25762	265.21898	328.04279	0.92326	0.1020439	0.31562062	2.1364487	21	9 4.9	19.5
227780 2006 WY_{75}	17.5	X	294.88360	92.16705	237.43976	5.63884	0.1289380	0.31047689	2.1599806	21	5 14.5	19.9
227781 2006 WM_{153}	17.7	X	138.97310	53.25488	10.06093	1.68566	0.1161114	0.29053680	2.2577124	21	3 25.5	20.6
227782 2006 WC_{178}	17.4	X	181.95703	264.17921	132.66273	2.42681	0.1112827	0.29229679	2.2486404	21	4 8.6	20.4
227783 2006 WK_{178}	16.4	X	83.82915	4.46878	230.36234	3.67621	0.1920624	0.23397707	2.6082778	21	9 18.2	20.2
227784 2006 WF_{198}	17.7	X	313.13468	187.40482	333.26462	0.67915	0.1270123	0.27027408	2.3691894	21	—	—
227785 2006 WS_{203}	17.5	X	152.76503	126.51357	281.23779	6.63831	0.0761277	0.28982213	2.2614224	21	3 12.3	20.6
227786 2006 WV_{203}	17.6	X	196.12224	339.74137	64.54751	5.93986	0.1318688	0.30184889	2.2009474	21	5 3.5	20.8
227787 2006 XO_{28}	16.9	X	82.10175	176.45166	272.98220	5.68061	0.0732480	0.28622701	2.2803192	21	1 31.7	19.3
227788 2006 XQ_{49}	17.5	X	258.93554	128.27381	114.42951	3.62117	0.1664982	0.27448994	2.3448682	21	—	—
227789 2006 XG_{58}	16.7	X	120.96780	256.62520	65.64020	3.94742	0.1641290	0.27033949	2.3688072	21	—	—
227790 2006 XK_{59}	17.4	X	37.73501	330.04669	18.15263	1.66401	0.2090986	0.26180093	2.4200365	21	12 27.7	20.5
227791 2006 XZ_{59}	17.6	X	131.69557	57.58247	331.35022	3.09951	0.2536869	0.28686371	2.2769438	21	2 17.6	20.5
227792 2006 XW_{69}	16.8	X	278.92199	319.34952	287.17327	6.08706	0.0918123	0.28191541	2.3035104	21	1 8.4	19.8
227793 2006 YS_{8}	15.8	X	58.31194	331.50562	311.55935	5.71508	0.2482342	0.24374791	2.5381003	21	10 28.9	19.4
227794 2006 YZ_{9}	16.7	X	50.00622	63.50410	87.86862	7.04227	0.0321330	0.29062627	2.2572490	21	3 12.9	19.3
227795 2006 YH_{19}	17.1	X	244.68398	134.68492	48.85884	3.40431	0.1317079	0.25857888	2.4400984	21	12 31.9	20.2
227796 2006 YY_{30}	16.9	X	87.55023	61.91598	85.88673	6.96929	0.0322460	0.29569076	2.2314006	21	5 2.3	19.4
227797 2006 YR_{32}	17.3	X	209.09796	317.95190	64.83365	4.94028	0.1490830	0.29822629	2.2187350	21	4 18.7	20.5
227798 2006 YY_{37}	17.7	X	90.01602	85.17013	37.09450	3.44485	0.1206756	0.28966903	2.2622191	21	4 11.5	20.0
227799 2006 YG_{45}	17.2	X	309.92780	31.87997	238.10557	3.79100	0.1250518	0.29760579	2.2218179	21	3 9.9	19.8
227800 2006 YN_{50}	17.2	X	133.13744	330.14445	101.43365	4.21385	0.1992745	0.28969588	2.2620794	21	4 11.6	20.3
227801 2007 AZ_{13}	17.2	X	148.09485	296.81207	123.16294	5.74252	0.1134476	0.29216613	2.2493108	21	4 3.3	20.2
227802 2007 AA_{16}	17.2	X	93.74588	55.89296	33.68594	3.67392	0.1117874	0.28455769	2.2892286	21	3 1.1	19.5
227803 2007 AD_{21}	16.5	X	332.00491	261.90978	304.65032	5.51299	0.0675924	0.27971737	2.3155621	21	1 26.3	18.9
227804 2007 BQ	16.9	X	40.71604	217.51908	308.67797	5.52352	0.1178811	0.28688483	2.2768320	21	3 16.4	19.1
227805 2007 BF_{1}	17.1	X	295.05328	97.72557	92.72635	3.09956	0.1504319	0.27041408	2.3683716	21	—	—
227806 2007 BF_{6}	16.9	X	344.68708	24.70126	166.59886	7.49043	0.0495795	0.28156198	2.3054376	21	1 24.5	19.7
227807 2007 BL_{18}	17.3	X	318.57373	154.79075	32.46745	2.66965	0.1597298	0.27368632	2.3494560	21	—	—
227808 2007 BK_{21}	18.0	X	177.57713	60.23406	32.37113	2.11712	0.1323713	0.30278038	2.1964310	21	6 17.9	21.0
227809 2007 BA_{38}	17.3	X	79.01288	298.47639	151.57579	2.87933	0.1201434	0.28277635	2.2988325	21	2 4.4	19.6
227810 2007 BM_{43}	15.9	X	11.96860	156.62539	126.62490	9.13276	0.1744026	0.23436260	2.6054166	21	8 2.3	18.3
227811 2007 BW_{43}	18.0	X	40.62109	343.04559	149.44709	1.51375	0.1516584	0.28051310	2.3111810	21	1 26.9	19.6
227812 2007 BJ_{47}	17.3	X	79.24414	94.02894	16.67129	3.22587	0.1110440	0.28363991	2.2941641	21	3 7.4	19.4
227813 2007 BD_{50}	17.6	X	303.97097	32.34178	155.26476	3.47207	0.0892800	0.27088272	2.3656393	21	—	—
227814 2007 BE_{50}	17.3	X	25.88895	120.16079	25.97247	4.20009	0.1107333	0.27970925	2.3156069	21	1 22.4	19.5
227815 2007 BN_{65}	17.3	X	31.69108	298.09860	155.76456	3.14168	0.1235654	0.27175979	2.3605466	21	—	—
227816 2007 BL_{66}	17.0	X	55.03165	62.98253	321.47631	5.83730	0.1190259	0.26270500	2.4144812	21	—	—
227817 2007 BF_{69}	17.0	X	267.24626	30.78119	138.57915	3.32387	0.1263874	0.25938325	2.4350512	21	—	—
227818 2007 BE_{71}	17.4	X	343.70919	172.81735	239.34176	1.71405	0.1975677	0.25708722	2.4495279	21	12 26.1	19.4
227819 2007 BY_{79}	17.2	X	76.96942	249.37621	159.92582	7.75418	0.1894391	0.27407416	2.3472390	21	—	—
227820 2007 BL_{101}	16.6	X	318.74282	284.11940	37.02896	2.45745	0.1110763	0.22755008	2.6571621	21	6 16.9	19.6
227821 2007 CW_{4}	17.6	X	142.58863	241.99977	146.92037	3.81746	0.1465784	0.28238763	2.3009416	21	2 16.7	20.4
227822 2007 CS_{7}	17.5	X	331.81736	244.47467	327.13050	6.30498	0.0536691	0.28358988	2.2944340	21	2 4.1	20.2
227823 2007 CK_{19}	16.7	X	40.78942	109.40565	28.78100	6.01533	0.0985564	0.28277797	2.2988237	21	2 8.1	18.9
227824 2007 CX_{22}	17.0	X	66.39020	288.66968	184.06042	1.50043	0.0751001	0.28227149	2.3015728	21	2 11.0	19.4
227825 2007 CE_{23}	16.8	X	245.42523	95.93319	123.03306	3.07238	0.1446239	0.26402530	2.4064251	21	—	—
227826 2007 CG_{25}	16.6	X	46.26828	200.32435	298.19264	3.39496	0.1101300	0.28048518	2.3113343	21	2 15.6	18.5
227827 2007 CL_{25}	17.2	X	50.96792	302.31040	204.93041	2.72033	0.1261231	0.28244552	2.3006272	21	3 10.6	19.1
227828 2007 CA_{38}	17.0	X	310.42392	65.92421	131.39447	3.43213	0.1429799	0.27155508	2.3617328	21	—	—
227829 2007 CQ_{38}	17.1	X	118.72596	227.61691	143.99242	7.11208	0.1227729	0.27465909	2.3439053	21	—	—
227830 2007 CG_{40}	17.4	X	344.71491	20.24895	141.25457	2.62670	0.1284750	0.27280280	2.3545261	21	—	—
227831 2007 CV_{41}	17.3	X	292.62357	284.62311	230.59130	1.08535	0.1316055	0.26231134	2.4168962	21	—	—
227832 2007 CW_{41}	17.0	X	352.49679	224.52059	271.28211	1.72279	0.1861929	0.27131924	2.3631012	21	—	—
227833 2007 CJ_{50}	16.4	X	49.03010	176.39178	234.84669	5.64344	0.1129277	0.26817764	2.3815206	21	—	—
227834 2007 CP_{50}	17.2	X	356.82160	122.22900	17.27944	2.58779	0.1596491	0.27144818	2.3623528	21	—	—
227835 2007 CM_{51}	17.2	X	38.47171	212.31957	236.61560	2.60750	0.1563528	0.27290467	2.3539401	21	—	—
227836 2007 CJ_{53}	17.5	X	42.83374	129.65941	352.59529	4.00555	0.1054828	0.27895647	2.3197709	21	1 18.2	19.6
227837 2007 CX_{56}	16.6	X	2.54024	30.75707	113.79080	3.14325	0.1657428	0.27255780	2.3559368	21	—	—
227838 2007 CE_{63}	16.9	X	358.35110	9.92075	149.49673	6.02199	0.1606975	0.27357453	2.3500960	21	—	—
227839 2007 CC_{73}	17.9	X	124.06035	61.07797	347.18210	1.99886	0.1975690	0.28410041	2.2916844	21	2 27.0	20.6
227840 2007 DC_{1}	17.3	X	309.94515	153.51052	350.60735	1.22218	0.1361392	0.26150304	2.4218740	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
227841 2007 DY_{4}	17.5	X	321.15335	52.38419	154.43852	5.32362	0.1727697	0.27818259	2.3240711	21	—	—
227842 2007 DK_{7}	17.7	X	29.01662	352.39545	130.61597	1.75413	0.1284813	0.27319376	2.3522792	21	—	—
227843 2007 DC_{20}	16.3	X	0.02682	184.08912	152.63780	11.99432	0.2448448	0.23930519	2.5694173	21	10 11.9	18.4
227844 2007 DL_{21}	16.5	X	85.36569	268.30369	357.88439	4.24552	0.1126862	0.23994935	2.5648167	21	10 21.5	20.2
227845 2007 DE_{24}	17.1	X	6.85910	288.25514	158.39997	2.85652	0.1383475	0.26499042	2.4005786	21	—	—
227846 2007 DQ_{31}	16.4	X	314.10731	185.51049	132.96771	2.26002	0.0687609	0.22645412	2.6657284	21	6 12.1	19.7
227847 2007 DZ_{34}	17.2	X	47.91895	275.92862	152.30161	1.51815	0.1690314	0.26885179	2.3775378	21	—	—
227848 2007 DF_{35}	16.9	X	27.47187	141.51576	346.22637	2.26793	0.1194734	0.27415048	2.3468034	21	—	—
227849 2007 DX_{36}	17.6	X	90.55354	33.12866	27.04959	2.69638	0.2228429	0.27524366	2.3405854	21	1 31.6	19.7
227850 2007 DV_{37}	17.1	X	352.57680	129.56575	327.02297	0.65876	0.1476903	0.26228829	2.4170378	21	—	—
227851 2007 DG_{39}	16.3	X	59.22526	283.13869	35.07429	4.53394	0.0890967	0.24315795	2.5422040	21	11 23.9	19.6
227852 2007 DX_{46}	17.2	X	272.25357	353.33240	205.12194	0.80922	0.1311677	0.26450774	2.4034981	21	—	—
227853 2007 DH_{47}	17.4	X	333.62864	256.28291	257.76246	0.51018	0.1244832	0.26935865	2.3745543	21	—	—
227854 2007 DS_{49}	16.4	X	79.31964	265.03057	352.76130	8.25061	0.1158739	0.23861826	2.5743461	21	10 3.2	19.8
227855 2007 DK_{53}	17.4	X	27.06842	129.60310	331.82750	5.42991	0.1768637	0.27019283	2.3696644	21	—	—
227856 2007 DQ_{64}	16.9	X	136.92181	206.40887	36.52562	1.68489	0.1238565	0.24521982	2.5279337	21	11 17.5	20.8
227857 2007 DW_{68}	16.6	X	318.59358	275.12531	4.13754	4.02717	0.0686430	0.21889866	2.7267206	21	4 24.8	20.2
227858 2007 DE_{72}	17.6	X	194.97897	53.36108	50.27653	1.35433	0.1601495	0.30269890	2.1968251	21	7 21.4	20.8
227859 2007 DW_{76}	16.5	X	26.43228	317.95340	143.75739	8.72399	0.0676221	0.27035045	2.3687432	21	—	—
227860 2007 DK_{79}	17.7	X	17.50386	111.59899	39.51959	2.93647	0.1710115	0.27684706	2.3315395	21	1 7.3	19.6
227861 2007 DM_{82}	15.7	X	175.30002	236.69368	291.07703	9.73577	0.0871595	0.24075598	2.5590847	21	9 17.8	19.7
227862 2007 DX_{87}	16.6	X	70.28539	202.39284	66.26126	3.49437	0.0753796	0.23836519	2.5761679	21	10 3.7	19.9
227863 2007 DQ_{93}	17.3	X	356.46282	94.30625	61.12935	3.36449	0.1443360	0.27298609	2.3534720	21	—	—
227864 2007 DL_{95}	16.4	X	286.68146	255.00281	58.84500	4.78866	0.1068696	0.21874874	2.7279663	21	4 23.6	20.2
227865 2007 DY_{96}	16.4	X	136.17218	223.92980	176.06390	12.86852	0.1083460	0.20939561	2.8086071	21	2 28.4	20.5
227866 2007 DQ_{97}	17.2	X	281.81320	4.47031	185.64380	1.31911	0.1172516	0.26198237	2.4189191	21	—	—
227867 2007 DZ_{97}	17.8	X	355.19297	227.30677	261.35168	1.55101	0.1451676	0.26726666	2.3869291	21	—	—
227868 2007 DQ_{112}	16.7	X	280.31187	319.55881	101.43674	2.55447	0.1182259	0.23721618	2.5844800	21	9 7.2	19.8
227869 2007 DD_{113}	16.8	X	211.25474	94.44473	326.93964	1.06538	0.0644267	0.22637534	2.6663468	21	6 16.5	20.5
227870 2007 DH_{115}	17.0	X	78.70032	51.68533	346.70149	3.85909	0.2010255	0.26984380	2.3717073	21	—	—
227871 2007 EK_{8}	16.9	X	64.84498	130.02081	178.95063	3.23792	0.0188486	0.24406750	2.5358842	21	11 10.5	20.2
227872 2007 EP_{8}	16.5	X	330.21182	218.07173	65.89791	0.75649	0.0197323	0.22008742	2.7168932	21	5 24.9	20.1
227873 2007 EW_{10}	16.1	X	311.37982	153.87000	183.19343	3.89188	0.1735320	0.23148696	2.6269493	21	6 18.0	19.1
227874 2007 ER_{11}	17.4	X	53.67509	319.09640	172.28474	3.44031	0.1656994	0.28035221	2.3120651	21	2 23.2	19.2
227875 2007 EH_{16}	16.9	X	242.25537	266.47351	299.79059	0.57037	0.1364625	0.25841771	2.4411129	21	—	—
227876 2007 EO_{18}	16.8	X	9.22275	216.29389	305.64067	3.80975	0.1671312	0.27539352	2.3397363	21	1 8.4	18.8
227877 2007 ER_{21}	16.1	X	61.90498	108.46243	139.14816	3.59506	0.2448160	0.22635497	2.6665068	21	9 18.5	19.6
227878 2007 EH_{22}	17.0	X	325.24712	349.01566	201.84070	2.11822	0.1616557	0.27089213	2.3655844	21	—	—
227879 2007 EG_{25}	16.3	X	168.36648	101.09960	12.25160	8.20554	0.1361037	0.22606865	2.6687578	21	7 8.2	20.6
227880 2007 ET_{25}	16.9	X	157.16080	127.19800	35.78032	6.61333	0.2071463	0.23434651	2.6055358	21	9 1.9	21.4
227881 2007 EX_{27}	17.2	X	45.39729	24.70912	102.83836	3.48646	0.1536046	0.27875360	2.3208963	21	1 30.9	18.9
227882 2007 EE_{32}	17.0	X	42.05785	339.95394	135.88952	3.74994	0.1698008	0.27596234	2.3365200	21	1 4.8	18.9
227883 2007 EU_{35}	16.6	X	35.22672	329.59212	344.55579	0.46697	0.1557627	0.24067942	2.5596274	21	10 27.5	19.6
227884 2007 EU_{42}	16.2	X	292.09646	274.51607	16.37776	4.73238	0.0405732	0.21317927	2.7752753	21	4 9.8	19.9
227885 2007 EY_{42}	16.1	X	257.03350	94.03984	163.94853	2.77053	0.0728433	0.19924033	2.9032508	21	1 15.6	20.5
227886 2007 EN_{45}	16.8	X	181.83173	95.96712	16.75960	3.54484	0.0879105	0.22828699	2.6514408	21	7 20.9	20.8
227887 2007 EK_{46}	16.4	X	211.35162	278.00840	188.70840	3.41199	0.0387503	0.23146409	2.6271223	21	8 17.5	20.0
227888 2007 EF_{48}	16.1	X	6.68213	204.69268	38.06684	4.61605	0.0169086	0.21708109	2.7419196	21	5 19.9	19.6
227889 2007 EC_{49}	17.5	X	126.14729	21.20497	89.31782	1.40682	0.1526951	0.28752509	2.2734507	21	5 19.3	20.4
227890 2007 EJ_{57}	17.7	X	70.69046	279.67718	151.84799	2.59797	0.1567380	0.27547900	2.3392522	21	—	—
227891 2007 ET_{69}	17.0	X	103.47674	317.07350	122.89445	3.29991	0.1872556	0.28007920	2.3135673	21	3 15.4	19.6
227892 2007 EA_{70}	15.7	X	118.48085	270.26149	38.20005	4.79934	0.1702971	0.18056361	3.1001490	21	—	—
227893 2007 EZ_{79}	16.5	X	20.82193	51.74455	221.91369	4.88693	0.1406998	0.22320281	2.6915531	21	7 30.7	19.5
227894 2007 EX_{91}	16.9	X	107.81586	83.68704	318.29972	5.76084	0.1434051	0.27678294	2.3318996	21	1 20.2	19.3
227895 2007 EY_{112}	15.5	X	104.25726	142.10794	205.24941	10.84658	0.0696441	0.18575342	3.0421328	21	—	—
227896 2007 EV_{118}	16.6	X	43.97175	92.28101	143.53638	3.27452	0.1257255	0.22072862	2.7116291	21	7 16.3	19.6
227897 2007 ES_{126}	17.6	X	77.07157	294.18491	194.77661	4.63422	0.1488739	0.28533264	2.2850818	21	4 4.7	19.8
227898 2007 EZ_{126}	17.1	X	139.06398	215.16879	152.12709	2.60379	0.2247730	0.27736117	2.3286574	21	1 26.1	20.1
227899 2007 EF_{128}	16.6	X	270.88143	28.42054	347.90029	3.94732	0.1428229	0.23035435	2.6355531	21	6 18.7	20.2
227900 2007 EU_{132}	17.8	X	340.39789	94.00055	13.45744	1.24893	0.1513436	0.26166770	2.4208579	21	—	—
227901 2007 EB_{141}	16.2	X	297.07860	81.70734	209.33051	4.51118	0.1517720	0.21191606	2.7862931	21	3 30.5	20.0
227902 2007 EV_{156}	15.1	X	138.99642	275.00493	32.61860	22.95736	0.1295315	0.18244136	3.0788405	21	—	—
227903 2007 EE_{165}	15.7	X	69.80614	157.59267	38.16423	15.21252	0.1215867	0.21961041	2.7208260	21	6 29.8	19.5
227904 2007 EB_{168}	16.7	X	76.35023	93.66532	40.36239	5.19643	0.0629299	0.21107207	2.7937156	21	4 9.2	20.2
227905 2007 EN_{171}	15.9	X	211.00467	58.75690	25.27625	11.72191	0.0483441	0.22466571	2.6798564	21	7 20.9	19.9
227906 2007 EU_{175}	15.6	X	84.80308	134.24276	198.79362	8.33908	0.0609141	0.17952946	3.1120428	21	12 26.7	20.2
227907 2007 EO_{180}	15.4	X	328.37148	183.66480	210.59622	8.91098	0.0360112	0.16856131	3.2456184	21	10 10.7	19.9
227908 2007 EU_{182}	16.5	X	173.96561	324.67162	227.66297	4.95934	0.1133888	0.23946101	2.5683025	21	10 21.3	20.5
227909 2007 ED_{188}	16.7	X	157.53856	173.15752	16.74346	5.58676	0.1447982	0.23916138	2.5704471	21	10 2.8	20.9
227910 2007 ER_{194}	17.6	X	333.21314	116.87052	15.87899	2.31331	0.1541353	0.26436672	2.4043528	21	—	—
227911 2007 EC_{197}	16.5	X	280.14364	239.61190	198.54972	5.46833	0.0958460	0.23965084	2.5669461	21	10 2.9	19.7
227912 2007 EJ_{197}	16.6	X	216.46453	228.62910	205.56031	4.14338	0.0768384	0.22606440	2.6687912	21	7 8.1	20.5
227913 2007 EJ_{203}	16.4	X	260.46248	234.29492	121.47704	2.80069	0.0944797	0.22059631	2.7127132	21	5 17.4	20.1
227914 2007 ET_{208}	16.7	X	111.62278	178.35232	52.38534	10.42673	0.0357572	0.23474700	2.6025716	21	10 3.5	20.4
227915 2007 FQ	16.7	X	54.37581	171.78772	16.46652	3.28172	0.0338119	0.21860540	2.7291587	21	5 14.4	20.3
227916 2007 FZ_{11}	17.1	X	313.65572	232.18887	325.40823	1.63772	0.1379509	0.26966426	2.3727599	21	—	—
227917 2007 FC_{24}	17.3	X	246.08200	169.92640	25.35775	5.82808	0.0756715	0.25507449	2.4623967	21	—	—
227918 2007 FR_{25}	16.8	X	262.44638	178.50255	19.39452	2.56019	0.1471800	0.25871270	2.4392569	21	—	—
227919 2007 FB_{36}	17.3	X	213.82579	324.96809	178.42662	4.02221	0.1008466	0.24111592	2.5565372	21	10 3.9	20.7
227920 2007 FS_{36}	16.6	X	113.13045	24.89822	190.99078	5.37272	0.2072660	0.23169406	2.6253837	21	9 25.9	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
227921 2007 FF_{37}	15.8	X	247.92571	152.78977	190.87469	5.56709	0.0840414	0.21019088	2.8015183	21	4 19.0	19.8
227922 2007 FQ_{37}	16.8	X	352.09975	61.57473	179.86804	2.81345	0.0580262	0.21194454	2.7860435	21	4 27.1	20.1
227923 2007 FD_{38}	16.3	X	134.28053	37.99353	164.04039	3.69481	0.1723790	0.23286797	2.6165531	21	9 26.8	20.4
227924 2007 FW_{43}	15.7	X	55.93630	173.25491	77.45678	15.06525	0.0515792	0.22626906	2.6671817	21	8 19.9	19.4
227925 2007 FS_{44}	16.0	X	171.74791	117.92968	77.04338	10.35452	0.0561088	0.23830563	2.5765971	21	10 28.9	19.8
227926 2007 FX_{48}	16.3	X	189.24933	261.84202	40.46758	1.13359	0.0894735	0.19184957	2.9773427	21	—	—
227927 2007 GB	15.5	X	347.50088	164.73718	68.21299	19.79933	0.1743925	0.21107499	2.7936899	21	4 7.9	19.0
227928 2007 GT_{1}	15.8	X	133.88224	244.47466	38.46635	2.45319	0.1774493	0.17755185	3.1351086	21	12 23.7	20.9
227929 2007 GT_{4}	16.4	X	323.28365	254.62022	16.73142	3.97662	0.1693367	0.21176072	2.7876555	21	4 8.0	19.6
227930 Athos	15.4	X	128.66553	250.74698	48.32299	9.25926	0.2310649	0.17668231	3.1453865	21	—	—
227931 2007 GV_{6}	16.7	X	16.13075	233.82069	6.49112	1.77035	0.0228189	0.21988909	2.7185267	21	5 30.2	20.2
227932 2007 GT_{7}	16.7	X	255.91543	94.51961	179.74556	1.88888	0.0267156	0.20227764	2.8741149	21	2 6.5	20.6
227933 2007 GV_{15}	17.7	X	269.78087	197.80373	326.55633	0.83464	0.1369383	0.25624380	2.4549000	21	—	—
227934 2007 GQ_{16}	16.2	X	253.83862	108.00256	227.89661	3.50742	0.0735911	0.20933985	2.8091059	21	4 15.8	20.4
227935 2007 GY_{20}	16.3	X	238.73254	136.03388	185.60051	1.68971	0.0629653	0.20273663	2.8697753	21	3 14.0	20.5
227936 2007 GA_{22}	15.6	X	88.57448	123.53390	205.26978	2.97383	0.0909007	0.17388011	3.1790897	21	12 28.3	20.4
227937 2007 GH_{22}	16.5	X	220.20887	235.82146	190.18706	2.33723	0.0809444	0.22097008	2.7096533	21	7 1.8	20.5
227938 2007 GD_{26}	16.2	X	68.14161	316.75948	189.08387	7.91013	0.0121797	0.21207205	2.7849266	21	4 6.2	19.7
227939 2007 GK_{29}	15.8	X	170.25313	231.05772	33.99077	11.31365	0.1935502	0.17932803	3.1143728	21	—	—
227940 2007 GV_{29}	14.9	X	161.38293	245.26205	37.77982	11.53483	0.1023445	0.18056627	3.1001186	21	—	—
227941 2007 GF_{36}	15.5	X	47.48490	42.43117	56.85953	9.22053	0.0331502	0.19628444	2.9323253	21	1 15.6	19.6
227942 2007 GE_{38}	16.7	X	138.81160	324.78936	142.02623	3.20206	0.0383724	0.21587629	2.7521119	21	5 21.1	20.5
227943 2007 GJ_{38}	16.1	X	119.70538	109.14676	59.04089	3.78552	0.0327193	0.22373720	2.6872655	21	7 16.7	19.7
227944 2007 GW_{38}	17.0	X	182.78649	112.38672	69.59343	2.56031	0.0424874	0.23856504	2.5747290	21	10 22.9	20.7
227945 2007 GX_{40}	16.5	X	151.62649	305.03145	208.65910	4.55938	0.0336678	0.22509084	2.6764810	21	8 4.9	20.2
227946 2007 GW_{41}	16.8	X	344.03275	164.47071	229.08365	1.63273	0.1804000	0.23873808	2.5734847	21	11 20.9	19.2
227947 2007 GH_{42}	16.5	X	180.42580	15.36523	25.59948	3.80370	0.1014762	0.20958639	2.8069025	21	4 17.9	20.7
227948 2007 GU_{46}	16.5	X	216.39215	83.62367	56.55705	13.84679	0.1364980	0.23665351	2.5885749	21	10 4.9	20.5
227949 2007 GS_{49}	15.7	X	57.97420	332.99921	206.91347	12.83852	0.1559748	0.21854799	2.7296367	21	5 26.7	19.0
227950 2007 GF_{57}	17.3	X	345.31761	282.57126	174.85255	7.59315	0.1629647	0.25645081	2.4535787	21	—	—
227951 2007 GO_{59}	16.3	X	181.30998	299.24713	220.94050	12.12084	0.1284953	0.23446829	2.6046336	21	9 13.9	20.5
227952 2007 GY_{60}	15.8	X	97.43960	237.45449	243.41440	5.02982	0.0149557	0.20895519	2.8125523	21	4 10.9	19.7
227953 2007 GJ_{61}	15.7	X	104.25535	45.52828	25.20310	17.84476	0.1280034	0.20216086	2.8752216	21	3 13.6	19.8
227954 2007 GZ_{65}	14.6	X	211.06764	186.32537	54.62853	25.74901	0.2045358	0.18215567	3.0820588	21	—	—
227955 2007 GQ_{67}	15.1	X	248.69147	208.28841	38.70943	11.44249	0.0560446	0.19079351	2.9883191	21	—	—
227956 2007 GG_{69}	16.4	X	265.55385	257.38607	55.45945	0.96916	0.0575057	0.21187421	2.7866601	21	4 2.9	20.3
227957 2007 GR_{69}	16.4	X	250.34886	245.44677	92.22563	0.45206	0.0766841	0.21385777	2.7694022	21	4 14.1	20.5
227958 2007 HH	16.4	X	196.75915	277.43351	147.95261	5.32089	0.1024379	0.21969961	2.7200895	21	6 5.1	20.6
227959 2007 HS_{5}	15.5	X	151.83896	218.06871	43.07012	14.72028	0.2346382	0.17600638	3.1534342	21	12 11.6	21.2
227960 2007 HN_{7}	15.0	X	168.89536	201.38083	42.29538	13.65570	0.1107217	0.17461296	3.1701884	21	12 7.2	20.1
227961 2007 HO_{10}	16.8	X	294.49068	21.98927	28.24965	14.57427	0.1598583	0.23686525	2.5870321	21	9 13.9	19.9
227962 Aramis	15.9	X	253.20136	122.92550	147.16875	5.40626	0.0130366	0.19780423	2.9172859	21	1 31.3	20.0
227963 2007 HR_{17}	16.3	X	140.11903	14.68469	211.45766	6.56436	0.1123951	0.23823943	2.5770744	21	10 30.2	20.2
227964 2007 HE_{21}	16.2	X	249.88298	326.78052	18.73621	1.33547	0.0782685	0.21074702	2.7965876	21	4 23.3	20.3
227965 2007 HC_{22}	15.3	X	132.93568	258.98852	50.78949	10.56990	0.0835903	0.17942805	3.1132153	21	—	—
227966 2007 HM_{23}	16.0	X	330.88371	220.66109	54.13683	5.28978	0.0250425	0.21255927	2.7806694	21	5 13.5	19.7
227967 2007 HN_{23}	15.7	X	202.66593	51.20762	197.20596	4.30613	0.1043213	0.18186785	3.0853096	21	—	—
227968 2007 HZ_{27}	15.5	X	207.02353	21.82389	207.19487	5.06907	0.0959862	0.17869416	3.1217334	21	12 30.5	20.3
227969 2007 HL_{29}	17.0	X	154.96464	285.76029	146.89117	1.97395	0.0575206	0.21471476	2.7620283	21	4 27.9	20.8
227970 2007 HL_{32}	16.3	X	138.86205	280.49833	24.92101	10.34804	0.0249720	0.18209743	3.0827159	21	—	—
227971 2007 HY_{36}	15.3	X	239.92636	220.47329	36.26490	10.61588	0.0730120	0.19054658	2.9909003	21	—	—
227972 2007 HG_{41}	15.4	X	186.44698	267.81419	65.03409	11.26517	0.1213235	0.19273202	2.9682476	21	2 7.4	20.2
227973 2007 HJ_{48}	15.2	X	77.12448	177.59173	199.36106	9.23044	0.0231727	0.18376112	3.0640814	21	—	—
227974 2007 HX_{48}	16.4	X	190.64705	138.56615	109.25112	2.39558	0.0390380	0.18079551	3.0974975	21	—	—
227975 2007 HL_{63}	16.6	X	260.30746	232.22558	60.88815	7.91733	0.0378893	0.20267351	2.8703712	21	3 10.3	20.8
227976 2007 HP_{75}	15.7	X	160.28938	162.13957	74.13540	5.57507	0.1214433	0.17295951	3.1903604	21	11 22.7	20.6
227977 2007 HV_{79}	15.6	X	300.53398	119.23222	53.91649	11.26529	0.0465109	0.18827743	3.0148835	21	—	—
227978 2007 HD_{81}	15.8	X	75.97702	325.41703	31.08318	5.98862	0.1184630	0.17954937	3.1118128	21	—	—
227979 2007 HG_{87}	15.5	X	184.52711	126.30593	125.96279	2.95688	0.0809641	0.17795520	3.1303694	21	—	—
227980 2007 HA_{88}	15.5	X	228.71470	165.06116	83.15662	10.01023	0.0214404	0.18964952	3.0003245	21	—	—
227981 2007 HT_{96}	17.1	X	48.28721	1.42919	109.00992	4.80797	0.1067803	0.26693042	2.3889332	21	1 13.6	19.5
227982 2007 JG_{1}	16.0	X	108.76587	245.41378	44.53460	5.31809	0.1393388	0.17178532	3.2048818	21	12 7.1	21.0
227983 2007 JR_{1}	15.0	X	163.53076	28.89308	205.13856	16.11055	0.1144386	0.17414929	3.1758129	21	11 23.9	20.1
227984 2007 JX_{1}	15.0	X	176.67711	225.02631	64.61474	11.41140	0.1095670	0.18321880	3.0701248	21	—	—
227985 2007 JN_{2}	15.7	X	214.54634	60.08839	214.41813	3.01964	0.0788893	0.18881643	3.0091432	21	—	—
227986 2007 JP_{2}	15.1	X	196.74980	197.34669	66.79736	10.23380	0.0538720	0.18171291	3.0870632	21	—	—
227987 2007 JL_{3}	15.8	X	164.85961	221.02916	63.55538	6.12376	0.1600044	0.18071330	3.0984368	21	—	—
227988 2007 JR_{5}	16.0	X	130.94732	71.69769	208.70045	8.25293	0.1091035	0.17533799	3.1614430	21	12 16.0	21.0
227989 2007 JP_{7}	16.6	X	306.92244	233.46486	59.95151	1.32097	0.0367221	0.21054445	2.7983811	21	5 4.0	20.4
227990 2007 JQ_{9}	15.3	X	209.81006	178.89740	62.57596	10.76132	0.1174047	0.17981332	3.1087668	21	—	—
227991 2007 JJ_{10}	15.3	X	252.34932	230.07634	233.92738	12.41382	0.1311587	0.23620117	2.5918788	21	9 18.6	19.1
227992 2007 JM_{17}	15.9	X	139.01055	249.47940	66.47572	6.01249	0.1593457	0.17807976	3.1289096	21	—	—
227993 2007 JO_{17}	16.5	X	348.10549	345.21863	220.09736	6.68018	0.0493077	0.20132345	2.8831892	21	3 3.6	20.4
227994 2007 JB_{19}	15.8	X	252.78704	33.16460	210.53354	10.03412	0.0563117	0.18908951	3.0062453	21	—	—
227995 2007 JS_{21}	16.0	X	124.06053	317.25393	59.19864	2.29686	0.0694444	0.19025086	2.9939989	21	1 16.8	20.1
227996 2007 JM_{38}	16.8	X	120.76216	280.10994	198.60530	4.24306	0.0733854	0.21331824	2.7740698	21	5 18.5	20.6
227997 2007 KU_{7}	14.9	X	124.90248	228.61461	103.15227	17.43768	0.0355415	0.17998267	3.1068164	21	—	—
227998 2007 LD_{2}	15.8	X	45.21181	193.78975	203.62391	9.56005	0.0864728	0.17680678	3.1439100	21	—	—
227999 2007 LY_{24}	15.8	X	208.65022	65.09820	168.36953	0.85832	0.0996780	0.17840624	3.1250911	21	—	—
228000 2007 MJ_{1}	14.8	X	342.07685	212.00511	232.20011	22.84295	0.0423727	0.17476943	3.1682959	21	12 26.9	19.4