ELEMENTS AND OPPOSITION DATES IN 2020

ECLIPTIC AND EQUINOX 2000.0, EPOCH 2020 MAY 31.0 TT

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
272001 2005 CO_{49}	15.7	X	201.14788	0.49497	191.17400	1.14070	0.2926146	0.16918321	3.2376597	20	11 2.1	21.3
272002 2005 CN_{50}	16.0	X	245.99024	261.71158	295.62590	2.29802	0.2030702	0.17844524	3.1246358	20	12 29.5	20.2
272003 2005 CU_{53}	15.5	X	182.36671	302.95071	310.23039	15.33896	0.1898255	0.17792670	3.1307037	20	—	—
272004 2005 CV_{53}	16.2	X	341.54051	279.32761	158.90243	8.38446	0.3535220	0.18516936	3.0485264	20	—	—
272005 2005 CW_{58}	15.8	X	296.11476	14.02927	129.25982	2.67841	0.1393232	0.18166730	3.0875800	20	—	—
272006 2005 CK_{63}	15.8	X	229.49979	344.98447	187.34291	4.91999	0.1221390	0.17354564	3.1831730	20	11 21.7	20.5
272007 2005 CT_{63}	14.9	X	139.89155	354.44764	154.16900	17.59391	0.1257949	0.15394940	3.4478686	20	7 25.6	20.4
272008 2005 CH_{66}	15.4	X	227.47000	113.69922	143.40986	11.58230	0.0420008	0.18806830	3.0171182	20	—	—
272009 2005 CN_{69}	16.5	X	300.92935	164.91159	297.18950	4.16916	0.1207121	0.17654303	3.1470405	20	11 29.7	20.3
272010 2005 DP	15.5	X	121.45405	139.27724	142.64981	10.17143	0.0616767	0.17457946	3.1705938	20	12 13.2	20.4
272011 2005 DW_{1}	14.8	X	260.35549	258.41907	287.65826	14.99572	0.1423835	0.18120171	3.0928666	20	—	—
272012 2005 EW_{6}	15.5	X	319.65083	332.64714	165.07910	10.32425	0.0742513	0.18144942	3.0900511	20	—	—
272013 2005 EB_{7}	15.5	X	215.45866	47.06964	162.96890	5.44308	0.1126383	0.17344426	3.1844133	20	12 21.1	20.3
272014 2005 ED_{12}	17.2	X	135.24078	108.04728	76.42555	2.96478	0.0823168	0.28704540	2.2759829	20	9 16.9	20.3
272015 2005 EO_{12}	15.8	X	320.43362	76.55438	67.14175	4.91965	0.0772155	0.18387847	3.0627776	20	—	—
272016 2005 EK_{17}	15.9	X	191.78655	78.85372	163.82831	5.43634	0.1144301	0.17388343	3.1790492	20	—	—
272017 2005 EN_{20}	15.2	X	156.72687	264.36808	351.37773	13.81403	0.0896976	0.17245535	3.1965753	20	12 16.4	20.4
272018 2005 ER_{22}	16.1	X	300.40379	265.97479	225.60107	3.09771	0.1712400	0.17935791	3.1140269	20	—	—
272019 2005 EY_{23}	15.5	X	152.54155	267.28174	345.97802	22.88301	0.0852476	0.17041836	3.2219970	20	12 6.7	20.9
272020 2005 EA_{24}	15.6	X	305.40018	344.77956	180.13538	10.31952	0.0345620	0.18383915	3.0632143	20	—	—
272021 2005 EV_{25}	17.8	X	353.86673	115.79918	348.72650	5.26114	0.0269941	0.31170031	2.1543250	20	—	—
272022 2005 EG_{45}	16.0	X	270.60235	345.99016	159.75872	4.73296	0.2168279	0.17688561	3.1429759	20	11 27.4	20.0
272023 2005 EV_{45}	16.0	X	204.87586	258.40308	328.04650	3.76422	0.0674615	0.17697207	3.1419521	20	—	—
272024 2005 ET_{46}	15.9	X	255.45716	18.82750	166.02652	12.95065	0.2010806	0.17867320	3.1219775	20	12 26.5	20.4
272025 2005 EE_{60}	15.6	X	280.86470	176.28355	306.23966	6.55721	0.0903300	0.17312112	3.1883746	20	11 27.6	19.8
272026 2005 EF_{61}	16.2	X	256.10159	323.72537	204.59483	8.24931	0.1678601	0.17527113	3.1622470	20	12 11.5	20.6
272027 2005 EG_{72}	15.2	X	267.74828	159.47224	43.03206	8.89274	0.0615713	0.18446427	3.0562899	20	—	—
272028 2005 EA_{74}	15.2	X	190.21032	89.03939	157.86479	11.67572	0.0464390	0.17660334	3.1463240	20	—	—
272029 2005 EH_{75}	17.5	X	114.32216	298.97746	352.97564	5.14428	0.2230581	0.29608053	2.2294419	20	—	—
272030 2005 EA_{76}	15.9	X	67.88246	333.01951	347.49154	3.29145	0.0291320	0.16733534	3.2614516	20	11 22.5	20.6
272031 2005 EG_{78}	14.9	X	122.19821	87.98395	176.91699	12.91755	0.0642530	0.16818779	3.2504220	20	11 24.0	20.0
272032 2005 ET_{78}	15.4	X	274.09795	133.99638	8.89610	8.84445	0.0576896	0.17427791	3.1742502	20	12 18.0	19.8
272033 2005 EB_{81}	15.7	X	128.12648	311.00328	344.75173	9.90308	0.0677958	0.17377583	3.1803613	20	—	—
272034 2005 EG_{82}	16.4	X	262.10100	235.69661	331.76193	2.46732	0.0825223	0.18612281	3.0381064	20	—	—
272035 2005 ED_{83}	15.3	X	178.66092	94.03515	180.47307	11.17630	0.0887173	0.17701654	3.1414259	20	—	—
272036 2005 EU_{83}	16.9	X	183.45733	277.15354	303.46942	7.68448	0.1079254	0.30007896	2.2095933	20	12 28.9	19.7
272037 2005 EC_{84}	16.0	X	238.49158	15.26379	199.27644	4.32819	0.1993668	0.17715638	3.1397725	20	—	—
272038 2005 ER_{86}	15.3	X	273.39646	38.92955	99.89220	17.23025	0.1765020	0.17378568	3.1802411	20	11 30.3	19.5
272039 2005 EW_{86}	15.7	X	322.24465	272.36333	167.51639	15.60262	0.2118264	0.17534603	3.1613464	20	12 6.4	19.3
272040 2005 EW_{89}	15.8	X	341.92239	323.35530	143.96356	9.96658	0.1221825	0.18142305	3.0903505	20	—	—
272041 2005 EM_{91}	16.0	X	298.89841	287.74535	199.72862	11.65406	0.1119939	0.17611636	3.1521213	20	12 28.4	20.1
272042 2005 EP_{94}	15.5	X	309.31648	302.28339	170.34411	27.11841	0.1839574	0.17910298	3.1169811	20	12 25.4	19.6
272043 2005 EH_{97}	16.9	X	101.36017	296.39262	280.39655	6.05911	0.0797890	0.28652491	2.2787384	20	9 15.3	20.1
272044 2005 EA_{102}	14.9	X	263.52636	126.06319	18.70361	23.91191	0.0984059	0.17118408	3.2123816	20	11 23.4	19.7
272045 2005 EJ_{104}	15.6	X	284.75170	144.57800	353.20616	8.92434	0.0476114	0.17528637	3.1620638	20	12 28.2	20.0
272046 2005 ET_{110}	15.6	X	275.78720	191.07820	343.08825	9.62310	0.0452429	0.18158199	3.0885469	20	—	—
272047 2005 EY_{115}	15.4	X	68.02344	350.58606	4.85385	5.80386	0.1161205	0.17362428	3.1822117	20	—	—
272048 2005 EF_{126}	15.8	X	270.09670	108.88666	50.44425	16.48834	0.1934148	0.17535759	3.1612075	20	12 13.4	20.0
272049 2005 EK_{133}	15.0	X	198.66641	227.47845	358.29332	21.54742	0.0870439	0.17591563	3.1545186	20	12 26.4	20.2
272050 2005 EM_{133}	15.2	X	205.45367	89.74446	118.14180	10.43399	0.1623736	0.17266154	3.1940299	20	12 5.1	20.3
272051 2005 EU_{133}	17.2	X	63.23093	15.18477	209.44026	6.30492	0.0661333	0.27883405	2.3204498	20	8 4.1	20.1
272052 2005 EK_{143}	15.6	X	267.12543	89.86853	49.48402	1.09983	0.1443888	0.17315072	3.1880113	20	11 23.3	19.9
272053 2005 EA_{145}	15.5	X	130.53657	169.36856	170.64764	9.74940	0.0691435	0.18115978	3.0933438	20	—	—
272054 2005 EQ_{161}	16.2	X	202.29807	155.44418	71.42909	2.53757	0.1200724	0.17058845	3.2198549	20	12 25.7	21.2
272055 2005 EG_{171}	15.2	X	233.48080	316.07764	220.46787	8.83311	0.0832724	0.17247121	3.1963793	20	12 5.4	19.9
272056 2005 EZ_{172}	16.1	X	290.05424	341.64817	145.58491	10.62470	0.0407427	0.17939633	3.1135823	20	12 23.7	20.5
272057 2005 EV_{174}	15.5	X	347.65298	222.62520	191.10935	10.84816	0.0271613	0.16992088	3.2282827	20	12 7.4	20.1
272058 2005 EB_{176}	16.1	X	203.01607	43.74463	184.94349	27.40456	0.1721037	0.17249478	3.1960881	20	12 23.3	21.7
272059 2005 ED_{183}	15.4	X	168.26662	270.11541	358.00601	8.43680	0.0527270	0.17406489	3.1768395	20	—	—
272060 2005 ED_{186}	15.9	X	257.45640	342.22989	181.56260	13.92218	0.0896553	0.17484669	3.1673625	20	12 18.6	20.5
272061 2005 ES_{192}	15.6	X	200.75745	99.55704	180.57436	11.18015	0.0603987	0.18353345	3.0666148	20	—	—
272062 2005 EC_{196}	17.0	X	3.19066	285.66830	313.73177	1.30266	0.1859730	0.26727451	2.3868824	20	5 20.6	18.8
272063 2005 ER_{196}	15.6	X	337.32899	258.93191	198.63672	15.50722	0.2104171	0.17960561	3.1111631	20	—	—
272064 2005 EU_{205}	15.8	X	61.92323	204.24952	153.50614	16.72038	0.1232235	0.18105115	3.0945810	20	—	—
272065 2005 EL_{209}	15.4	X	186.84162	251.03067	319.98179	21.00900	0.0325004	0.17149215	3.2085333	20	11 25.3	20.5
272066 2005 EY_{214}	15.6	X	247.12335	158.01873	30.18073	9.18397	0.1028936	0.17595964	3.1539927	20	—	—
272067 2005 EK_{215}	18.3	X	244.26551	273.47037	325.76253	3.31557	0.1270683	0.31172769	2.1541989	20	—	—
272068 2005 EO_{217}	15.9	X	339.96434	35.57549	67.31301	11.45878	0.1925343	0.18341824	3.0678988	20	—	—
272069 2005 ER_{217}	15.5	X	173.77258	97.95509	178.84748	21.11529	0.2464615	0.17255960	3.1952877	20	—	—
272070 2005 EK_{226}	16.1	X	301.16415	89.35319	7.54066	25.00719	0.2815824	0.17701193	3.1414804	20	10 26.3	19.8
272071 2005 ER_{227}	15.5	X	279.90652	96.55368	46.33055	10.56563	0.1855901	0.17538463	3.1608826	20	12 9.5	19.4
272072 2005 EQ_{233}	15.6	X	235.03523	188.92423	24.50243	16.72546	0.1533703	0.17704758	3.1410586	20	—	—
272073 2005 EQ_{244}	15.6	X	58.41897	19.40274	348.34010	8.98873	0.0740056	0.17461748	3.1701337	20	—	—
272074 2005 EQ_{257}	16.0	X	169.31579	354.91507	261.84213	1.92738	0.1108441	0.17034610	3.2229081	20	12 28.9	20.9
272075 2005 EF_{258}	15.6	X	101.16922	166.84795	194.69926	8.39229	0.0882511	0.17888865	3.1194704	20	—	—
272076 2005 EP_{263}	15.6	X	193.60869	308.78010	308.90364	7.80791	0.0770988	0.18138242	3.0908120	20	—	—
272077 2005 ER_{266}	15.8	X	321.48750	292.67132	194.64363	5.72268	0.0845941	0.17660652	3.1462862	20	—	—
272078 2005 ES_{282}	15.4	X	176.33831	214.91246	63.31633	12.72859	0.1871605	0.17343481	3.1845290	20	—	—
272079 2005 EW_{286}	14.9	X	168.55756	309.71926	288.98129	10.07333	0.1496916	0.17155515	3.2077477	20	12 6.2	20.2
272080 2005 EH_{287}	15.0	X	202.42184	87.78543	130.90982	19.06069	0.1551190	0.17077358	3.2175275	20	12 15.9	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
272081 2005 ER_{288}	15.3	X	188.04691	184.53618	53.05890	20.09707	0.1018649	0.17104060	3.2141779	20	12 23.8	20.5
272082 2005 EK_{291}	15.4	X	223.68144	175.93702	31.80031	10.94472	0.0770126	0.17270933	3.1934407	20	12 31.9	20.2
272083 2005 EH_{314}	15.7	X	177.78224	104.58324	178.83133	11.68402	0.0549624	0.17767885	3.1336145	20	—	—
272084 2005 EZ_{318}	16.2	X	132.54677	179.83716	148.54858	0.47596	0.1789327	0.17843758	3.1247252	20	—	—
272085 2005 EY_{322}	15.7	X	262.30399	6.10642	148.59708	9.88186	0.0432470	0.17511812	3.1640888	20	12 20.3	20.2
272086 2005 EU_{323}	15.9	X	243.51749	327.75624	181.40132	9.60178	0.0507532	0.17071159	3.2183063	20	11 19.9	20.5
272087 2005 EV_{330}	15.6	X	264.13072	143.41265	66.25075	7.43863	0.0929106	0.18472900	3.0533692	20	—	—
272088 2005 EA_{331}	15.0	X	167.08899	244.74045	23.15412	18.87334	0.1011574	0.17359405	3.1825812	20	—	—
272089 2005 FL_{2}	15.3	X	206.24688	86.15129	149.04357	5.92263	0.0997668	0.17424423	3.1746592	20	—	—
272090 2005 GE_{1}	15.9	X	238.73373	113.58702	66.99109	12.37271	0.2173568	0.17066592	3.2188804	20	11 28.2	20.5
272091 2005 GE_{17}	15.8	X	90.71138	339.86535	348.38265	4.49445	0.1360229	0.17276498	3.1927548	20	—	—
272092 2005 GL_{29}	15.7	X	158.63917	262.98326	335.47008	3.14745	0.2537004	0.16433967	3.3009664	20	11 24.8	21.6
272093 2005 GK_{33}	15.9	X	281.87060	328.80582	163.50461	13.30674	0.1244314	0.17638922	3.1488697	20	12 10.4	20.2
272094 2005 GX_{37}	15.6	X	254.73307	327.97771	210.33444	22.31957	0.2355880	0.17492634	3.1664010	20	12 10.9	20.3
272095 2005 GV_{48}	18.4	X	193.71506	123.92406	155.40628	1.68995	0.1137229	0.30681635	2.1771267	20	—	—
272096 2005 GV_{63}	15.3	X	184.71510	171.36704	51.17555	11.35455	0.1001228	0.17040144	3.2222103	20	12 3.9	20.3
272097 2005 GY_{69}	15.8	X	201.03335	274.46023	339.30007	5.14976	0.1029561	0.17910151	3.1169982	20	—	—
272098 2005 GH_{114}	16.0	X	118.15753	252.76612	61.63121	2.74611	0.0774829	0.17043252	3.2218185	20	—	—
272099 2005 GE_{120}	15.7	X	292.24045	318.28965	181.25064	14.63562	0.1042598	0.17503576	3.1650812	20	—	—
272100 2005 GW_{144}	15.9	X	230.40778	5.49951	162.20810	11.25157	0.1282246	0.17132769	3.2105863	20	11 17.9	20.8
272101 2005 GE_{195}	16.2	X	304.38898	7.69858	113.41689	0.87538	0.1596394	0.17865482	3.1221916	20	12 27.8	19.5
272102 2005 GS_{214}	17.3	X	148.49263	79.91411	79.67439	10.19413	0.1094991	0.28140135	2.3063149	20	9 1.5	20.8
272103 2005 HS_{1}	17.5	X	231.16065	164.70513	39.19673	4.21307	0.1151612	0.30091101	2.2055183	20	—	—
272104 2005 JF_{24}	15.4	X	214.11740	86.23394	58.68945	10.13886	0.0910382	0.15701737	3.4028091	20	10 8.2	20.6
272105 2005 JW_{49}	17.7	X	205.01192	151.97689	154.23459	2.38169	0.2056071	0.30949471	2.1645480	20	1 15.3	21.0
272106 2005 JJ_{75}	15.6	X	261.94071	115.67432	26.31925	21.80669	0.3089291	0.17456602	3.1707566	20	10 25.7	20.2
272107 2005 JM_{82}	17.7	X	254.05862	143.85519	58.20338	5.45139	0.1081764	0.30398211	2.1906384	20	—	—
272108 2005 JK_{95}	15.8	X	225.26631	63.81726	185.06550	17.72581	0.1177687	0.18174311	3.0867213	20	—	—
272109 2005 JW_{96}	17.5	X	114.53175	247.94615	95.34801	6.02402	0.2052859	0.29894923	2.2151565	20	—	—
272110 2005 JK_{102}	17.0	X	45.27988	64.85880	130.98025	6.84174	0.1299473	0.26433176	2.4045648	20	6 6.2	19.6
272111 2005 JM_{123}	17.8	X	127.66321	357.80426	268.61272	1.83409	0.1330644	0.29028399	2.2590230	20	12 24.1	21.2
272112 2005 JK_{127}	17.7	X	245.32395	104.41707	106.12368	3.55180	0.0920385	0.30321481	2.1943325	20	—	—
272113 2005 JU_{149}	17.8	X	155.97780	148.60749	112.10870	5.72747	0.1232777	0.29425453	2.2386556	20	—	—
272114 2005 JU_{185}	17.1	X	315.78252	316.75240	298.77514	3.64288	0.0863482	0.32183746	2.1088466	20	3 16.5	19.2
272115 2005 KM_{5}	16.9	X	208.94903	221.10725	56.20442	4.86475	0.2180326	0.23980442	2.5658500	20	—	—
272116 2005 KF_{6}	17.5	X	220.65138	248.14644	49.76793	5.85475	0.1271069	0.31117934	2.1567288	20	1 19.4	20.7
272117 2005 LE_{10}	17.2	X	150.59259	140.37853	186.73934	3.87522	0.2186116	0.23608767	2.5927095	20	1 3.3	21.2
272118 2005 LT_{25}	17.5	X	23.26500	228.76495	91.36174	4.48499	0.1927143	0.27724302	2.3293190	20	11 15.1	20.1
272119 2005 LM_{33}	17.2	X	305.06737	272.25850	84.75372	8.17876	0.1858630	0.27032370	2.3688995	20	7 23.5	19.3
272120 2005 LX_{33}	17.8	X	230.95988	141.72450	77.51853	5.52747	0.1245161	0.30178562	2.2012550	20	—	—
272121 2005 LE_{40}	18.1	X	195.33802	198.33893	116.60634	4.02578	0.1756457	0.30274098	2.1966216	20	1 17.7	21.4
272122 2005 MX_{5}	17.1	X	130.13967	219.55286	133.39050	5.00582	0.2155236	0.29488795	2.2354487	20	1 5.1	19.8
272123 2005 MZ_{10}	17.2	X	142.52850	198.03434	135.78648	2.37310	0.1830897	0.23482908	2.6019651	20	—	—
272124 2005 MD_{11}	13.4	X	31.76289	236.25360	92.13453	8.80717	0.0539489	0.08529208	5.1112866	20	10 12.9	20.1
272125 2005 MT_{21}	17.2	X	303.75948	23.04027	301.28538	5.85424	0.1743058	0.25698121	2.4502015	20	5 29.8	20.1
272126 2005 MP_{25}	16.9	X	245.75889	256.07778	136.56044	6.86931	0.1319564	0.25773394	2.4454285	20	6 21.9	20.3
272127 2005 MC_{29}	17.3	X	30.65337	170.84656	219.68212	5.38908	0.0556358	0.28493326	2.2872165	20	—	—
272128 2005 MM_{30}	17.7	X	18.82197	153.22440	220.21744	4.42099	0.2461774	0.27662670	2.3327775	20	—	—
272129 2005 ME_{31}	17.2	X	167.91503	121.20908	164.61415	7.03899	0.1496225	0.29808187	2.2194516	20	—	—
272130 2005 MH_{32}	17.2	X	127.96785	214.06830	123.72513	5.27824	0.2035864	0.29267958	2.2466794	20	—	—
272131 2005 MQ_{34}	17.7	X	256.43726	138.20749	127.80285	4.80999	0.1326921	0.30621567	2.1799730	20	1 13.4	20.6
272132 2005 MN_{35}	17.1	X	40.00595	266.10056	118.09586	9.91952	0.1793484	0.28381599	2.2932152	20	—	—
272133 2005 MY_{39}	17.6	X	187.57339	191.14909	113.96164	8.58878	0.2099417	0.29915240	2.2141535	20	—	—
272134 2005 MN_{42}	17.4	X	5.91245	176.61339	193.64445	5.48103	0.1428074	0.27539723	2.3397153	20	12 19.1	20.0
272135 2005 MM_{45}	18.3	X	216.62746	149.95029	116.13745	2.76933	0.1393042	0.30066662	2.2067133	20	—	—
272136 2005 MA_{46}	17.1	X	107.02104	46.43893	240.09598	5.40065	0.1688372	0.28302416	2.2974904	20	12 28.3	20.6
272137 2005 MO_{48}	18.1	X	216.18466	86.04542	202.40768	4.50167	0.1689145	0.30255666	2.1975136	20	1 2.8	21.4
272138 2005 MO_{53}	17.5	X	0.45510	40.43456	299.29544	2.21278	0.1345499	0.26858578	2.3791073	20	10 22.6	19.8
272139 2005 MS_{53}	17.2	X	25.87519	322.26986	313.27279	2.02393	0.1799497	0.26424630	2.4050832	20	9 8.6	19.5
272140 2005 MR_{54}	17.8	X	197.91122	339.52714	309.91889	1.04326	0.1550098	0.29840021	2.2178728	20	—	—
272141 2005 NH_{8}	17.7	X	188.09611	41.51452	235.19822	2.71705	0.0911656	0.29497019	2.2350331	20	—	—
272142 2005 NP_{8}	18.0	X	138.60921	18.93785	240.07575	2.72962	0.1238645	0.28344057	2.2952397	20	12 24.3	21.4
272143 2005 NG_{9}	17.4	X	286.64131	275.96743	136.87339	5.85231	0.1469665	0.26748511	2.3856294	20	9 20.7	19.7
272144 2005 NB_{11}	17.7	X	315.75244	261.47685	127.98003	3.73128	0.1852834	0.27010857	2.3701572	20	10 12.2	19.4
272145 2005 NB_{21}	14.4	X	298.31119	310.99642	15.87400	5.94714	0.2569195	0.12437619	3.9747629	20	5 13.0	19.7
272146 2005 NX_{21}	17.5	X	254.78447	313.24634	270.75973	5.99678	0.1326831	0.30008242	2.2095764	20	—	—
272147 2005 NH_{24}	17.9	X	128.86748	106.42455	189.96975	3.71960	0.2056222	0.28807646	2.2705490	20	—	—
272148 2005 NP_{27}	16.9	X	212.13519	67.73660	230.04728	7.28227	0.2537792	0.30185506	2.2009174	20	1 11.3	20.8
272149 2005 NL_{28}	17.7	X	349.92098	180.38226	164.59382	2.62914	0.2344629	0.26789428	2.3831996	20	10 25.8	19.4
272150 2005 NY_{36}	16.9	X	298.90382	191.29972	273.21661	6.00458	0.0632131	0.28231409	2.3013412	20	—	—
272151 2005 NS_{50}	17.7	X	199.32795	112.67811	256.14629	3.09107	0.3079592	0.24272619	2.5452178	20	3 30.7	22.5
272152 2005 NJ_{51}	17.6	X	12.66108	122.75058	212.08119	1.65357	0.2332283	0.27116125	2.3640190	20	11 23.9	20.1
272153 2005 NF_{53}	16.9	X	289.26955	299.18379	274.17239	5.58980	0.1046678	0.30434569	2.1888934	20	—	—
272154 2005 NV_{59}	16.7	X	26.91731	170.66262	311.93386	4.58841	0.1034413	0.23636968	2.5906468	20	1 17.9	19.5
272155 2005 NS_{69}	17.2	X	274.60186	36.24434	303.58033	5.51692	0.1491958	0.25456254	2.4656971	20	5 11.9	20.5
272156 2005 NJ_{77}	17.8	X	148.36417	111.65706	186.36802	6.44543	0.1354008	0.29123518	2.2541016	20	—	—
272157 2005 NU_{81}	16.9	X	284.04080	141.19722	304.57327	6.45378	0.0788071	0.27618821	2.3352459	20	11 10.4	19.5
272158 2005 NX_{87}	17.3	X	69.34769	159.00623	113.25835	4.22875	0.1249792	0.27412395	2.3469548	20	10 30.7	20.4
272159 2005 NC_{91}	17.3	X	87.34475	131.50117	123.18858	4.32840	0.0808479	0.27185413	2.3600005	20	10 23.4	20.5
272160 2005 ND_{95}	18.4	X	236.43849	146.02157	133.39420	4.34809	0.1948053	0.30548797	2.1834335	20	1 9.1	21.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
272161 2005 NP_{97}	17.5	X	219.37141	108.94475	160.86225	6.55400	0.1785264	0.30065598	2.2067653	20	—	—
272162 2005 NM_{99}	18.1	X	201.53333	96.47161	192.97994	6.56122	0.1525878	0.30015620	2.2092143	20	—	—
272163 2005 NB_{117}	17.7	X	15.33293	106.99596	283.97298	3.31811	0.1495912	0.28188465	2.3036780	20	—	—
272164 2005 NU_{124}	17.5	X	100.06296	3.27801	325.43462	3.21510	0.0445649	0.28624883	2.2802033	20	—	—
272165 2005 OA_{1}	16.4	X	285.62330	260.22767	69.96847	9.28689	0.1449003	0.25439064	2.4668077	20	5 17.1	19.5
272166 2005 OE_{1}	16.4	X	85.48609	275.52047	34.22789	8.51106	0.2782299	0.21440241	2.7647101	20	—	—
272167 2005 OH_{1}	15.9	X	83.03588	284.69822	38.71514	12.32640	0.1882721	0.21465131	2.7625725	20	—	—
272168 2005 OS_{3}	16.8	X	10.78519	326.13382	46.75159	6.36153	0.2548923	0.27541911	2.3395913	20	—	—
272169 2005 OT_{5}	17.5	X	42.54113	170.86835	128.02856	3.82487	0.2412825	0.27156038	2.3617021	20	11 17.7	20.6
272170 2005 OA_{7}	17.4	X	5.27546	240.19899	70.13116	2.37132	0.1947903	0.26492220	2.4009907	20	9 27.6	19.5
272171 2005 OH_{10}	17.0	X	338.66661	308.18508	78.30437	3.09145	0.1923454	0.27044466	2.3681931	20	11 29.8	18.7
272172 2005 OM_{10}	17.7	X	209.72643	204.39136	100.67041	6.53267	0.2086473	0.30291231	2.1957932	20	1 19.2	21.3
272173 2005 OW_{10}	16.8	X	22.60237	317.45921	53.53240	7.37385	0.1433305	0.27699796	2.3306926	20	—	—
272174 2005 OU_{11}	17.4	X	269.04389	201.54511	31.96028	6.69660	0.1336526	0.30224958	2.1990018	20	—	—
272175 2005 OF_{17}	17.3	X	140.24052	57.32715	214.28484	2.96196	0.2145946	0.28592852	2.2819059	20	—	—
272176 2005 OR_{21}	16.6	X	2.44102	9.57011	344.65739	6.57120	0.1449155	0.27063557	2.3670793	20	11 17.2	19.1
272177 2005 OO_{23}	17.1	X	116.48123	102.78631	188.03490	6.26570	0.1460246	0.28432589	2.2904727	20	—	—
272178 2005 OA_{28}	17.0	X	34.81899	115.47071	204.17146	5.67077	0.1311669	0.27253372	2.3560756	20	11 19.2	19.8
272179 2005 OC_{29}	17.3	X	24.69502	275.51667	100.68837	3.89418	0.1216584	0.27722883	2.3293985	20	—	—
272180 2005 OS_{31}	17.2	X	290.12212	213.23505	187.70801	4.18549	0.1789156	0.26341036	2.4101689	20	8 30.5	19.4
272181 2005 PU_{4}	16.7	X	352.16306	225.17951	81.34626	10.78287	0.2652903	0.26416811	2.4055577	20	9 3.3	18.4
272182 2005 PT_{6}	17.2	X	114.13912	211.22368	59.25953	6.74865	0.2313687	0.28206116	2.3027167	20	12 15.7	21.2
272183 2005 PC_{16}	17.4	X	102.01138	238.61035	85.25530	1.87354	0.2407517	0.28482989	2.2877699	20	—	—
272184 2005 PZ_{17}	16.5	X	220.71498	308.27943	299.06813	9.81162	0.2261193	0.23097958	2.6307949	20	—	—
272185 2005 PV_{18}	17.8	X	161.71115	72.58949	180.44871	5.56990	0.1442513	0.28641147	2.2793400	20	—	—
272186 2005 PX_{19}	17.6	X	17.16561	330.05355	318.11945	6.15166	0.1075692	0.26431576	2.4046618	20	8 30.9	20.0
272187 2005 PP_{23}	17.4	X	224.47853	306.34555	260.00978	2.22932	0.1082609	0.28577062	2.2827464	20	—	—
272188 2005 PC_{29}	17.1	X	116.17989	204.71934	131.88052	3.02641	0.1725755	0.28968676	2.2621268	20	—	—
272189 2005 QE_{1}	17.6	X	152.80699	351.96501	320.47567	2.37389	0.1524307	0.29319578	2.2440416	20	—	—
272190 2005 QY_{1}	16.7	X	179.63960	345.94776	287.12678	3.79144	0.1240095	0.29172262	2.2515900	20	—	—
272191 2005 QR_{3}	17.2	X	83.44683	290.43412	344.15574	1.83586	0.2908695	0.27561077	2.3385065	20	11 28.9	21.1
272192 2005 QG_{4}	17.2	X	146.84001	15.38057	303.97743	0.99182	0.2095102	0.29161661	2.2521357	20	—	—
272193 2005 QP_{6}	16.9	X	268.64335	54.13606	333.56894	3.85106	0.1943467	0.25607796	2.4559598	20	7 5.4	20.1
272194 2005 QA_{7}	17.3	X	338.68071	162.09305	162.15254	7.89643	0.1153770	0.26043294	2.4285037	20	8 13.7	19.6
272195 2005 QS_{7}	17.2	X	239.83009	154.84565	142.09603	2.59994	0.1777085	0.30560805	2.1828615	20	2 3.6	20.4
272196 2005 QB_{9}	16.6	X	99.60988	339.31265	348.54569	11.32183	0.0477020	0.28291123	2.2981018	20	—	—
272197 2005 QF_{9}	17.3	X	20.27217	212.06957	138.73825	1.98366	0.2023329	0.27151926	2.3619405	20	12 21.7	20.1
272198 2005 QC_{15}	17.2	X	243.39894	69.11444	349.83232	1.87205	0.1968516	0.25606127	2.4560665	20	7 16.9	20.7
272199 2005 QA_{16}	16.7	X	291.95450	212.05725	164.83361	8.20158	0.1217680	0.25958739	2.4337744	20	8 5.5	19.5
272200 2005 QO_{17}	17.4	X	200.47943	141.75300	133.04822	3.01710	0.1066648	0.29251247	2.2475350	20	—	—
272201 2005 QT_{17}	17.0	X	30.67539	306.22435	33.97834	3.27455	0.1839465	0.27188056	2.3598475	20	12 18.1	19.9
272202 2005 QU_{17}	17.1	X	68.14605	294.19561	43.36684	2.46956	0.1419131	0.27821323	2.3239005	20	—	—
272203 2005 QZ_{20}	16.7	X	324.97935	68.91291	258.04263	2.70904	0.2062636	0.25954991	2.4340087	20	7 12.5	18.4
272204 2005 QK_{21}	16.8	X	166.61316	253.24333	63.11690	2.89028	0.1995611	0.29494862	2.2351421	20	—	—
272205 2005 QZ_{21}	17.4	X	257.26157	281.22371	319.55619	4.33825	0.1487518	0.29991830	2.2103824	20	—	—
272206 2005 QH_{23}	17.0	X	60.15051	329.03574	7.02948	5.96445	0.2268039	0.27688815	2.3313088	20	—	—
272207 2005 QM_{24}	17.0	X	146.63596	194.54796	13.67124	5.29466	0.0062914	0.26745177	2.3858276	20	10 27.2	20.1
272208 2005 QF_{26}	17.1	X	204.37326	158.54124	150.87264	7.40140	0.2180584	0.30010576	2.2094618	20	1 19.6	20.8
272209 2005 QM_{28}	17.4	X	144.76977	87.93194	177.15393	5.26879	0.1484954	0.28448274	2.2896307	20	—	—
272210 2005 QC_{31}	14.8	X	314.79224	265.37724	71.74794	8.10256	0.2234378	0.12568205	3.9471826	20	6 25.3	19.6
272211 2005 QF_{35}	17.4	X	146.47086	160.81879	124.29180	3.36116	0.1493579	0.28572941	2.2829659	20	—	—
272212 2005 QP_{35}	17.4	X	355.12872	222.82589	134.51532	2.76229	0.1936013	0.26776741	2.3839524	20	11 18.8	19.5
272213 2005 QG_{38}	17.4	X	136.27959	141.24774	179.91103	2.65619	0.2350156	0.28920361	2.2646456	20	—	—
272214 2005 QD_{42}	16.6	X	75.87127	14.67544	341.89601	7.05039	0.1500030	0.28277867	2.2988199	20	—	—
272215 2005 QN_{42}	17.0	X	92.11407	210.78482	147.94085	6.88127	0.2123477	0.28727431	2.2747737	20	—	—
272216 2005 QW_{45}	17.2	X	347.13274	242.51131	135.67890	6.42043	0.2001859	0.26919512	2.3755158	20	12 6.4	19.4
272217 2005 QC_{46}	17.4	X	16.97069	332.53167	22.74177	3.61936	0.2181229	0.27185112	2.3600179	20	12 25.9	20.3
272218 2005 QG_{48}	16.7	X	14.50638	28.95238	27.33054	7.31635	0.0922488	0.28105892	2.3081878	20	—	—
272219 2005 QJ_{58}	17.0	X	317.55687	30.82624	2.93990	6.82111	0.1254598	0.26614645	2.3936222	20	10 19.5	19.1
272220 2005 QN_{58}	17.3	X	279.84418	55.29180	353.32882	2.35720	0.1760460	0.26045529	2.4283648	20	8 25.4	19.9
272221 2005 QT_{60}	17.1	X	26.66554	202.94443	193.93798	2.23422	0.1163904	0.27966350	2.3158594	20	—	—
272222 2005 QM_{66}	17.3	X	256.52909	57.45875	4.68479	4.78291	0.1920785	0.25888852	2.4381524	20	8 8.5	20.6
272223 2005 QO_{70}	17.2	X	83.74329	206.79297	168.31708	7.02175	0.1288321	0.28694941	2.2764904	20	—	—
272224 2005 QW_{70}	16.7	X	38.37016	204.03325	149.26603	6.61763	0.1331004	0.27499285	2.3420084	20	—	—
272225 2005 QV_{72}	17.3	X	162.69437	353.82659	304.76238	2.23106	0.1891393	0.29041358	2.2583510	20	—	—
272226 2005 QB_{74}	16.4	X	358.81030	38.07663	343.47500	5.99329	0.2211451	0.27034339	2.3687844	20	—	—
272227 2005 QE_{74}	13.9	X	334.73350	125.67336	193.97235	9.34479	0.2520001	0.12397426	3.9833490	20	7 5.3	18.4
272228 2005 QK_{74}	17.1	X	63.73534	356.95540	354.62821	7.74365	0.1523537	0.27890929	2.3200325	20	—	—
272229 2005 QH_{77}	17.3	X	349.54269	69.75629	314.38587	2.35892	0.1915645	0.27049851	2.3678788	20	12 17.8	19.3
272230 2005 QX_{87}	17.5	X	86.18162	130.09018	185.49944	6.48694	0.1582016	0.27788125	2.3257510	20	—	—
272231 2005 QL_{89}	16.9	X	350.38345	33.58411	312.67949	5.37300	0.1551349	0.26776266	2.3839805	20	10 13.6	19.2
272232 2005 QJ_{101}	16.8	X	236.01134	218.42315	306.94856	5.99484	0.0603101	0.27806722	2.3247139	20	12 24.4	19.6
272233 2005 QV_{104}	16.8	X	301.33020	214.21587	183.52695	5.76326	0.1258494	0.26418684	2.4054441	20	9 25.1	19.1
272234 2005 QX_{112}	17.2	X	343.81893	302.28637	51.66549	4.80173	0.2447782	0.26529030	2.3987692	20	10 25.9	18.7
272235 2005 QG_{114}	17.4	X	297.88532	208.10287	166.36552	7.72788	0.1381865	0.25824601	2.4421948	20	8 9.7	19.9
272236 2005 QS_{114}	17.4	X	169.42701	79.31872	212.07951	1.72593	0.1527198	0.28938162	2.2637167	20	—	—
272237 2005 QW_{114}	17.1	X	291.10089	43.40985	356.17088	4.22295	0.0457240	0.26155394	2.4215599	20	9 18.9	19.7
272238 2005 QQ_{116}	17.6	X	242.43009	267.69996	151.39849	2.82525	0.1808295	0.25608281	2.4559287	20	7 17.3	21.1
272239 2005 QG_{121}	17.1	X	115.41758	93.94214	180.51783	3.59027	0.0457017	0.27718583	2.3296394	20	12 18.3	20.1
272240 2005 QQ_{121}	16.9	X	235.23537	217.32949	333.87868	7.03673	0.0615194	0.28362855	2.2942254	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
272241 2005 QC_{123}	16.3	X	131.81082	183.19992	338.69964	6.14137	0.0938458	0.25759072	2.4463349	20	8 10.2	19.7
272242 2005 QN_{123}	17.9	X	351.50572	351.91514	317.80952	0.93820	0.1720422	0.26120442	2.4237196	20	8 21.0	19.6
272243 2005 QU_{123}	17.5	X	121.74233	125.04107	164.65175	6.53638	0.1179240	0.28175371	2.3043916	20	—	—
272244 2005 QH_{124}	17.1	X	258.41188	150.59419	347.12366	6.25616	0.0498886	0.27659661	2.3329467	20	12 19.6	19.8
272245 2005 QO_{125}	17.4	X	262.71177	129.37856	343.73553	0.93054	0.1439290	0.27098694	2.3650327	20	11 6.2	20.0
272246 2005 QM_{127}	17.5	X	242.12016	64.04693	163.92360	4.77241	0.1330212	0.29355725	2.2421991	20	—	—
272247 2005 QF_{131}	16.8	X	345.43297	314.17418	66.11843	3.62709	0.1756145	0.26912254	2.3759429	20	12 1.2	18.8
272248 2005 QQ_{135}	17.5	X	136.25721	144.07752	157.02401	5.90466	0.1273546	0.28517244	2.2859375	20	—	—
272249 2005 QL_{136}	16.6	X	276.11015	291.15614	158.59827	8.16232	0.0600364	0.26857595	2.3791654	20	11 8.9	19.4
272250 2005 QX_{136}	17.1	X	150.66711	15.76493	27.55488	4.33851	0.1357219	0.23591352	2.5939852	20	3 30.1	21.1
272251 2005 QE_{138}	17.4	X	170.92269	141.32179	106.08738	2.15851	0.0950210	0.28167791	2.3048050	20	—	—
272252 2005 QJ_{139}	17.2	X	224.09631	62.49550	17.12223	2.47976	0.1748609	0.25450021	2.4660996	20	7 26.3	20.9
272253 2005 QA_{145}	17.0	X	111.95103	298.98159	36.44845	6.05103	0.2134617	0.28706416	2.2758837	20	—	—
272254 2005 QJ_{145}	16.8	X	262.72304	150.22635	128.65401	6.52769	0.2803014	0.30792280	2.1719083	20	1 26.0	20.3
272255 2005 QR_{147}	17.1	X	347.46733	342.71085	43.13829	6.63670	0.2031677	0.27145393	2.3623194	20	12 18.2	19.2
272256 2005 QR_{150}	17.1	X	314.98534	199.39536	174.02248	5.55383	0.1458887	0.26160090	2.4212700	20	9 11.8	19.2
272257 2005 QX_{150}	17.3	X	274.58149	79.37355	4.67417	6.48741	0.0809259	0.26604635	2.3942225	20	10 21.6	20.0
272258 2005 QG_{152}	16.7	X	291.56248	81.46786	339.78550	6.06963	0.0891307	0.26696904	2.3887028	20	10 14.7	19.4
272259 2005 QD_{162}	17.4	X	188.82298	268.57393	21.75465	6.68049	0.2006210	0.29612528	2.2292172	20	—	—
272260 2005 QO_{165}	16.8	X	209.56157	228.35933	52.42855	6.74927	0.1393658	0.29484090	2.2356865	20	—	—
272261 2005 QZ_{168}	16.4	X	242.23623	196.89812	252.72923	8.90656	0.1500343	0.26016253	2.4301862	20	8 27.9	20.0
272262 2005 QJ_{172}	17.0	X	96.60461	29.02355	276.62509	3.33848	0.1515046	0.27814849	2.3242611	20	—	—
272263 2005 QU_{172}	17.0	X	253.12338	204.95676	209.32294	6.59422	0.1865976	0.25459243	2.4655041	20	7 21.1	20.4
272264 2005 QR_{177}	17.5	X	133.81235	312.67764	343.82547	7.06265	0.1255390	0.28443581	2.2898825	20	—	—
272265 2005 QP_{182}	17.7	X	256.88534	290.32535	179.52898	6.23224	0.0756866	0.26802700	2.3824128	20	11 4.4	20.5
272266 2005 QW_{182}	17.0	X	57.79779	206.39450	123.30763	8.70286	0.2269728	0.27540683	2.3396608	20	—	—
272267 2005 QF_{188}	17.3	X	141.67526	263.36532	353.51643	6.81509	0.0752439	0.27701992	2.3305695	20	12 25.6	20.7
272268 2005 QF_{190}	17.3	X	208.99278	49.90996	307.58400	1.29736	0.1329742	0.24128099	2.5553711	20	3 27.9	21.3
272269 2005 RS_{2}	17.1	X	98.65361	178.81702	184.91298	4.35449	0.1700433	0.28629032	2.2799830	20	—	—
272270 2005 RQ_{3}	17.0	X	75.32124	315.77889	355.55621	6.99155	0.1976749	0.27366438	2.3495816	20	12 31.2	20.7
272271 2005 RM_{7}	16.5	X	166.34097	278.48540	348.19373	7.49715	0.1553015	0.28519576	2.2858128	20	—	—
272272 2005 RA_{8}	16.5	X	41.67978	167.21201	181.94490	6.09306	0.2438315	0.27435503	2.3456368	20	—	—
272273 2005 RO_{8}	17.5	X	147.65772	102.63888	212.60429	1.73493	0.1551184	0.28988070	2.2611178	20	—	—
272274 2005 RP_{8}	17.4	X	341.43587	64.15723	255.11976	1.65412	0.1791696	0.25968369	2.4331727	20	8 11.8	19.2
272275 2005 RX_{8}	16.5	X	68.44992	160.26924	171.06957	5.81278	0.1369545	0.27593276	2.3366870	20	—	—
272276 2005 RZ_{8}	17.0	X	212.45507	142.52597	170.44494	6.85556	0.1967857	0.30068129	2.2066415	20	1 29.7	20.7
272277 2005 RH_{22}	16.7	X	73.39330	346.11198	346.84325	3.86634	0.2110045	0.27780964	2.3261507	20	—	—
272278 2005 RT_{26}	16.1	X	46.25522	336.33278	13.26635	9.26619	0.2737732	0.27227863	2.3575469	20	—	—
272279 2005 RX_{39}	16.0	X	72.29335	7.90589	13.90655	8.51235	0.2796431	0.21486203	2.7607660	20	—	—
272280 2005 RM_{41}	16.1	X	102.61269	154.36554	146.98550	4.95646	0.0485829	0.21082580	2.7958909	20	12 21.9	20.2
272281 2005 RW_{43}	17.0	X	53.08228	191.34380	151.80725	7.48817	0.1286176	0.27423238	2.3463361	20	—	—
272282 2005 SX	16.6	X	114.50344	34.68762	240.14887	6.30367	0.1078628	0.27727361	2.3291477	20	12 18.8	19.9
272283 2005 SG_{3}	16.7	X	97.60717	24.71361	304.92406	2.22022	0.1627988	0.28085816	2.3092876	20	—	—
272284 2005 SE_{6}	17.0	X	256.39237	322.64533	346.23827	4.74246	0.1926559	0.23949800	2.5680380	20	3 9.8	21.1
272285 2005 SN_{6}	17.2	X	160.41383	187.70975	288.99105	2.69427	0.0672430	0.24715075	2.5147497	20	7 10.4	20.5
272286 2005 SH_{7}	17.3	X	156.01967	325.33353	359.54670	3.53953	0.1326255	0.29142034	2.2531467	20	—	—
272287 2005 ST_{9}	16.7	X	13.98849	299.20751	20.53953	14.93675	0.3352221	0.26574636	2.3960240	20	11 16.4	19.5
272288 2005 SW_{10}	17.3	X	44.10897	41.31580	303.04304	2.90811	0.1809171	0.27353973	2.3502954	20	—	—
272289 2005 SM_{13}	17.5	X	149.23663	118.86519	188.83127	7.16422	0.1450220	0.28738769	2.2741753	20	—	—
272290 2005 SY_{13}	16.7	X	314.01357	31.44378	22.53958	7.29198	0.1866022	0.26572062	2.3961787	20	11 11.8	18.5
272291 2005 SG_{14}	16.4	X	85.08440	272.68736	68.51279	7.80258	0.1314467	0.28155233	2.3054903	20	—	—
272292 2005 SN_{17}	17.7	X	190.56471	234.50867	236.04449	0.35408	0.1357026	0.25279118	2.4772021	20	8 3.4	21.4
272293 2005 SU_{20}	16.5	X	40.73855	264.98601	86.82638	3.44692	0.2211983	0.27273344	2.3549252	20	—	—
272294 2005 SA_{21}	16.8	X	110.84437	168.69842	154.93134	5.37609	0.1745155	0.28122313	2.3072892	20	—	—
272295 2005 SP_{21}	16.1	X	88.42218	169.83540	166.83643	25.19813	0.2226566	0.28582342	2.2824652	20	—	—
272296 2005 SU_{21}	16.4	X	71.62811	334.24628	7.92332	6.69463	0.1425780	0.27878134	2.3207423	20	—	—
272297 2005 SN_{24}	14.5	X	334.82950	220.50362	105.18914	8.73380	0.2992159	0.12479255	3.9659169	20	7 9.8	18.6
272298 2005 SR_{24}	17.3	X	151.21466	266.16312	75.16912	5.96402	0.1758921	0.29391487	2.2403800	20	1 9.5	20.4
272299 2005 SD_{25}	17.0	X	209.48199	163.82727	117.22014	5.94287	0.1807591	0.29565049	2.2316032	20	—	—
272300 2005 SS_{27}	16.5	X	198.53726	311.58599	244.48508	5.63079	0.0844733	0.27287122	2.3541325	20	12 10.5	19.5
272301 2005 SA_{28}	16.5	X	120.53251	329.73239	316.01873	4.51466	0.1516413	0.27810373	2.3245105	20	—	—
272302 2005 SW_{30}	17.3	X	186.87111	141.14923	158.35918	3.38675	0.1796293	0.29413517	2.2392611	20	—	—
272303 2005 SE_{31}	17.1	X	158.90991	316.69802	338.71380	2.38551	0.1685282	0.28821175	2.2698384	20	—	—
272304 2005 SE_{33}	17.3	X	12.73562	182.23104	206.67519	5.90594	0.1157615	0.27463715	2.3440302	20	—	—
272305 2005 SJ_{33}	16.9	X	159.35997	224.53825	68.45475	4.02793	0.1681495	0.28583402	2.2824088	20	—	—
272306 2005 SM_{33}	17.3	X	197.50368	276.30314	72.64854	3.64250	0.2159491	0.23495473	2.6010374	20	3 9.7	21.8
272307 2005 SV_{33}	17.3	X	277.05978	311.22208	156.17245	7.02700	0.0676255	0.26823176	2.3812002	20	12 2.8	20.1
272308 2005 SO_{44}	17.2	X	239.50743	334.39513	351.96230	3.54050	0.1414322	0.23892928	2.5721115	20	3 19.1	21.2
272309 2005 SO_{53}	16.9	X	300.11564	156.91204	251.11692	3.48658	0.0853412	0.26262712	2.4149585	20	10 10.4	19.4
272310 2005 SE_{57}	17.4	X	0.84267	3.52701	353.06383	7.00328	0.1397129	0.26731594	2.3866358	20	11 16.0	20.1
272311 2005 SK_{59}	16.7	X	2.54092	327.95435	33.55646	1.18068	0.0625778	0.19933222	2.9023584	20	11 1.2	20.4
272312 2005 SE_{60}	17.2	X	193.21229	136.80111	189.25519	6.36354	0.2211239	0.29883597	2.2157162	20	1 30.2	21.0
272313 2005 SZ_{65}	17.0	X	339.23742	307.52061	64.96501	6.43246	0.2436941	0.26460896	2.4028852	20	11 13.6	18.5
272314 2005 SQ_{69}	17.0	X	343.00802	335.84568	57.70718	2.39489	0.1881776	0.26802468	2.3824266	20	12 17.8	18.9
272315 2005 SX_{69}	16.4	X	220.24050	241.08699	100.08824	16.53113	0.2231716	0.23882042	2.5728931	20	3 24.0	21.1
272316 2005 SW_{70}	17.0	X	178.64868	176.87358	206.05939	5.09496	0.2797390	0.23501247	2.6006113	20	4 3.4	21.6
272317 2005 SR_{71}	17.7	X	90.57374	215.34875	151.92748	2.99086	0.1002618	0.28635302	2.2796501	20	—	—
272318 2005 SL_{72}	17.0	X	310.07366	350.44753	74.48405	3.33900	0.1631705	0.26730402	2.3867067	20	11 23.3	18.9
272319 2005 SJ_{73}	17.3	X	318.27918	251.25762	121.98060	2.10071	0.2030099	0.25987944	2.4319507	20	9 15.5	19.1
272320 2005 SY_{75}	17.1	X	184.00125	297.84911	183.35319	5.95010	0.0737216	0.25556571	2.4592405	20	8 12.3	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
272321 2005 SA_{82}	17.6	X	123.04870	143.11288	167.19383	2.89981	0.1554505	0.28383516	2.2931120	20	—	—
272322 2005 SK_{83}	17.2	X	260.07404	50.91435	6.65151	2.60635	0.0977552	0.25729091	2.4482349	20	8 21.1	20.1
272323 2005 SY_{85}	18.0	X	148.59838	140.79902	149.16793	2.17902	0.2433345	0.28622577	2.2803257	20	—	—
272324 2005 SJ_{88}	17.2	X	155.46987	30.51804	267.82971	1.40586	0.2241363	0.28756006	2.2732664	20	—	—
272325 2005 ST_{90}	17.1	X	102.22601	100.00268	204.08373	3.66762	0.1541677	0.27686320	2.3314489	20	—	—
272326 2005 ST_{91}	17.8	X	62.14770	109.91309	208.09157	0.67940	0.1981110	0.27261726	2.3555943	20	12 26.2	21.4
272327 2005 SR_{94}	16.2	X	46.77268	188.59287	205.96931	22.77386	0.2010461	0.28205207	2.3027662	20	—	—
272328 2005 SQ_{97}	16.9	X	147.91171	260.24649	56.48910	3.05369	0.1934859	0.28957444	2.2627118	20	—	—
272329 2005 SZ_{100}	17.0	X	131.57745	308.96281	339.28247	5.27170	0.1424001	0.27955933	2.3164347	20	—	—
272330 2005 SK_{104}	17.1	X	13.57858	324.67187	26.96543	6.91136	0.1210216	0.26735188	2.3864219	20	11 27.6	19.8
272331 2005 ST_{106}	17.8	X	206.41289	195.77254	205.79402	1.37692	0.1426838	0.24470064	2.5315080	20	5 20.8	21.8
272332 2005 SD_{110}	17.0	X	299.80525	253.02239	176.53891	3.22943	0.0565165	0.26651693	2.3914034	20	11 15.2	19.7
272333 2005 SV_{112}	17.0	X	94.85182	2.07311	329.92587	5.33966	0.1310744	0.28098277	2.3086048	20	—	—
272334 2005 SC_{114}	17.1	X	119.72305	90.08664	193.61870	5.79998	0.1520939	0.27850584	2.3222725	20	—	—
272335 2005 SC_{117}	16.6	X	287.48832	8.73968	56.61533	5.66156	0.1258673	0.26481040	2.4016664	20	10 13.7	19.0
272336 2005 SH_{117}	16.9	X	7.66483	262.52603	120.13312	6.27143	0.1325874	0.27302984	2.3532206	20	—	—
272337 2005 SV_{117}	16.7	X	1.14027	357.61842	38.90393	10.13866	0.0608632	0.27415520	2.3467765	20	—	—
272338 2005 SX_{118}	17.3	X	40.37089	288.71625	36.85490	7.41962	0.1361798	0.27015722	2.3698726	20	12 2.7	20.4
272339 2005 SS_{121}	17.1	X	170.45082	292.92413	359.58010	2.78209	0.1741511	0.29104501	2.2550834	20	—	—
272340 2005 SZ_{123}	17.0	X	212.23945	202.82688	83.25483	3.19005	0.2092478	0.29718065	2.2239364	20	—	—
272341 2005 SD_{125}	17.3	X	108.87817	221.26193	114.59900	3.63723	0.2074314	0.28482158	2.2878144	20	—	—
272342 2005 SF_{125}	17.1	X	168.06285	285.07759	16.88482	2.78022	0.1977242	0.29105616	2.2550258	20	—	—
272343 2005 SX_{125}	17.1	X	22.32565	283.22539	67.08806	3.20908	0.2311964	0.27050208	2.3678579	20	12 27.8	19.9
272344 2005 SA_{127}	17.2	X	209.00797	179.30305	18.72681	2.31018	0.1417515	0.27565934	2.3382319	20	12 18.6	20.1
272345 2005 SP_{134}	16.8	X	184.70010	221.87432	88.29800	3.95915	0.1549740	0.29473385	2.2362278	20	1 1.6	20.2
272346 2005 SQ_{139}	17.7	X	138.36921	117.59119	168.21009	5.35414	0.1123517	0.28110609	2.3079296	20	—	—
272347 2005 SU_{145}	17.5	X	84.81099	235.09592	33.64473	5.99094	0.2370941	0.27079012	2.3661785	20	11 18.3	21.2
272348 2005 SJ_{146}	16.6	X	7.19072	7.53262	354.71360	6.77319	0.1284631	0.26779076	2.3838138	20	12 3.9	19.4
272349 2005 SA_{148}	17.3	X	195.57457	12.47806	110.66245	1.40654	0.0724698	0.25543934	2.4600515	20	8 30.9	20.5
272350 2005 SA_{150}	17.2	X	244.43325	65.55007	43.09737	5.67429	0.0707403	0.26245247	2.4160297	20	10 15.1	20.2
272351 2005 SA_{152}	16.8	X	148.53503	244.30979	53.68614	6.23926	0.1545202	0.28314744	2.2968235	20	—	—
272352 2005 SF_{153}	17.5	X	320.40785	189.15927	192.84655	4.82759	0.1165666	0.26120881	2.4236924	20	10 8.0	19.5
272353 2005 ST_{162}	17.1	X	267.83575	94.95106	348.28307	2.34399	0.0255217	0.26418331	2.4054655	20	10 18.3	19.8
272354 2005 SH_{164}	16.5	X	29.24264	289.87100	53.23211	5.67574	0.3025832	0.27064384	2.3670311	20	—	—
272355 2005 SS_{164}	16.3	X	123.49492	218.00011	161.47986	8.71156	0.3358163	0.22446048	2.6814896	20	2 22.9	20.6
272356 2005 SC_{165}	17.7	X	68.17301	128.31227	176.84471	2.42269	0.1981524	0.27474249	2.3434309	20	12 16.6	21.3
272357 2005 ST_{165}	16.9	X	326.47774	305.20711	80.26602	6.48826	0.2437239	0.26464126	2.4026897	20	11 2.1	18.3
272358 2005 SZ_{166}	16.5	X	94.01301	287.80205	31.24764	21.16482	0.1456989	0.27858128	2.3218532	20	—	—
272359 2005 SO_{168}	16.8	X	159.21599	348.85054	211.94605	9.26283	0.1015370	0.26783778	2.3835348	20	10 30.9	20.1
272360 2005 SB_{171}	17.2	X	124.61773	283.92962	349.01382	6.34585	0.1120373	0.27629669	2.3346347	20	12 27.0	20.7
272361 2005 SF_{177}	16.5	X	187.25083	259.34892	225.00900	5.82253	0.0584268	0.25589412	2.4571359	20	8 20.3	19.9
272362 2005 SY_{179}	17.1	X	292.96719	350.49768	26.15994	3.79260	0.1947283	0.25744393	2.4472647	20	7 28.3	19.7
272363 2005 SD_{193}	16.8	X	95.74423	335.11513	354.49848	3.95762	0.2476678	0.28052136	2.3111356	20	—	—
272364 2005 SZ_{198}	17.6	X	69.35404	85.96833	201.20065	1.68551	0.2018179	0.27053419	2.3676705	20	11 25.1	21.2
272365 2005 SF_{200}	17.1	X	77.26514	57.61853	98.75057	0.98323	0.0877636	0.24142246	2.5543727	20	5 22.6	20.1
272366 2005 SX_{201}	17.3	X	297.15389	242.56658	152.99707	4.12409	0.1392001	0.26145292	2.4221836	20	9 12.3	19.6
272367 2005 SZ_{202}	16.8	X	190.85815	43.99714	240.61341	7.31015	0.1638260	0.29326839	2.2436712	20	—	—
272368 2005 SU_{203}	17.6	X	95.82556	166.75992	146.53959	3.06098	0.1811242	0.27901003	2.3194740	20	—	—
272369 2005 SD_{208}	17.5	X	123.84547	25.37304	289.67739	2.66006	0.2063280	0.28380550	2.2932717	20	—	—
272370 2005 SF_{210}	16.9	X	23.69471	78.50206	227.67588	6.68615	0.1179181	0.26385371	2.4074683	20	10 8.5	19.5
272371 2005 SS_{212}	17.1	X	217.95975	49.48673	206.10562	10.00148	0.2341050	0.28977452	2.2616701	20	—	—
272372 2005 SG_{215}	16.6	X	208.07109	33.27854	309.61853	7.97534	0.1236602	0.23624352	2.5915690	20	3 7.2	20.7
272373 2005 SA_{217}	17.3	X	167.13728	238.95496	72.11813	2.86765	0.3013565	0.29244712	2.2478698	20	—	—
272374 2005 SC_{217}	16.8	X	35.76136	317.86049	23.42984	9.84032	0.2311743	0.27023685	2.3694070	20	—	—
272375 2005 SZ_{217}	17.1	X	145.62818	215.02808	205.09914	5.80161	0.3129889	0.23188219	2.6239635	20	4 26.6	21.7
272376 2005 SN_{218}	16.9	X	71.69213	212.95818	125.68999	3.28855	0.1999201	0.27618981	2.3352369	20	—	—
272377 2005 SH_{220}	16.2	X	141.97068	24.26026	334.42663	12.06796	0.3031791	0.22585480	2.6704421	20	2 12.3	20.6
272378 2005 SQ_{220}	16.0	X	168.52000	113.79453	321.37580	11.78003	0.2488124	0.23871010	2.5736858	20	5 26.8	20.7
272379 2005 SH_{221}	17.0	X	287.43191	253.99201	194.81536	6.55184	0.0625472	0.26898739	2.3767387	20	11 23.3	19.7
272380 2005 SL_{224}	17.5	X	166.85275	123.57210	31.50001	1.72034	0.1355561	0.25755660	2.4465510	20	9 7.7	21.3
272381 2005 SH_{226}	17.5	X	202.85599	79.55073	198.56007	5.96381	0.1276631	0.29206640	2.2498228	20	—	—
272382 2005 SL_{227}	17.4	X	246.29219	301.42603	38.77602	1.44712	0.0689985	0.24249276	2.5468510	20	4 20.3	21.0
272383 2005 SN_{231}	17.4	X	191.20018	123.06597	28.36860	7.13834	0.0777554	0.25888239	2.4381909	20	10 3.6	20.7
272384 2005 SY_{237}	17.3	X	188.50752	84.38342	348.89414	2.85544	0.1473272	0.24326539	2.5414555	20	6 12.6	21.2
272385 2005 SM_{254}	16.8	X	282.72182	301.61707	109.07791	3.09303	0.1986132	0.26188776	2.4195016	20	8 30.6	19.1
272386 2005 SN_{254}	17.2	X	283.17896	343.22737	50.55906	2.30631	0.1896713	0.25945876	2.4345788	20	8 6.8	19.9
272387 2005 SL_{257}	17.0	X	348.25126	235.01754	167.61420	6.61851	0.0983165	0.27212283	2.3584467	20	12 28.6	19.6
272388 2005 SW_{269}	16.9	X	154.92714	127.26719	343.39654	2.86023	0.1984815	0.24342784	2.5403246	20	6 30.4	21.0
272389 2005 SY_{269}	16.6	X	182.25074	84.46173	300.79287	10.02069	0.1887211	0.23549663	2.5970456	20	4 2.4	21.1
272390 2005 SZ_{270}	16.5	X	251.18116	31.37713	82.52543	7.75895	0.0440494	0.26704050	2.3882766	20	11 7.2	19.4
272391 2005 SF_{281}	16.9	X	168.05557	213.00662	116.33658	5.54754	0.1885859	0.29183299	2.2510223	20	1 12.5	20.0
272392 2005 SA_{284}	17.3	X	130.41670	324.80817	156.40310	9.62252	0.1583867	0.24185652	2.5513156	20	6 18.9	21.4
272393 2005 SH_{288}	16.9	X	209.36295	222.91663	109.06286	5.36925	0.1831024	0.23492457	2.6012599	20	2 28.2	21.2
272394 2005 SS_{288}	17.0	X	264.88017	223.76424	82.10797	10.93299	0.2265538	0.24086200	2.5583337	20	3 16.9	21.2
272395 2005 SS_{289}	16.9	X	72.93848	164.80192	23.90445	6.34357	0.0851827	0.24404875	2.5360141	20	6 30.9	20.2
272396 2005 SX_{292}	17.1	X	261.36103	235.55480	233.90497	4.20870	0.0669164	0.26591024	2.3950395	20	11 9.5	19.7
272397 2005 TF_{1}	16.9	X	236.11912	19.70817	323.80234	15.84058	0.1811885	0.24307485	2.5427834	20	3 26.6	21.2
272398 2005 TF_{2}	17.4	X	142.42919	294.62127	342.14374	3.26317	0.1294437	0.28127831	2.3069874	20	—	—
272399 2005 TW_{5}	16.4	X	146.08471	291.10726	298.57178	6.53978	0.0638568	0.26972322	2.3724141	20	11 22.7	19.8
272400 2005 TU_{6}	16.6	X	133.17193	17.89349	280.08418	6.13054	0.1099134	0.28079362	2.3096414	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
272401 2005 TD_{14}	17.2	X	196.27111	54.29501	323.46774	5.40340	0.1211850	0.23987556	2.5653427	20	4 8.3	21.3
272402 2005 TU_{16}	18.0	X	162.66018	337.55483	288.80520	0.96326	0.2000735	0.28448236	2.2896327	20	—	—
272403 2005 TP_{21}	16.9	X	109.66168	229.62909	72.90095	2.79438	0.2191483	0.28010491	2.3134258	20	—	—
272404 2005 TM_{25}	17.5	X	177.61969	148.28944	39.97686	3.71657	0.0306661	0.26401715	2.4064747	20	11 8.4	20.4
272405 2005 TX_{25}	17.1	X	186.59222	293.79434	40.61387	3.08606	0.2173644	0.22958326	2.6414511	20	2 12.9	21.5
272406 2005 TH_{27}	17.3	X	172.55958	226.18737	42.91229	5.84032	0.1372878	0.28054177	2.3110235	20	—	—
272407 2005 TB_{33}	17.2	X	232.87186	33.83711	80.41837	2.80287	0.1185257	0.26197419	2.4189694	20	9 30.0	20.2
272408 2005 TV_{35}	17.7	X	358.60767	205.73663	62.75319	2.49425	0.1662777	0.25308856	2.4752612	20	6 28.2	19.8
272409 2005 TM_{36}	17.3	X	177.05811	139.09723	24.73954	2.79253	0.0686122	0.26316179	2.4116864	20	10 3.7	20.6
272410 2005 TF_{40}	17.0	X	279.43936	40.41122	52.19672	7.42719	0.0725440	0.26500486	2.4004914	20	11 12.9	19.6
272411 2005 TL_{42}	17.1	X	275.63585	165.91082	255.69770	2.13719	0.1366396	0.25969716	2.4330885	20	9 11.4	19.8
272412 2005 TY_{50}	16.5	X	8.03534	34.04428	302.05919	6.04279	0.1197679	0.26464071	2.4026930	20	10 25.2	19.3
272413 2005 TM_{56}	17.6	X	191.79669	319.43588	33.04378	3.44383	0.1404437	0.23423093	2.6063929	20	3 7.9	21.7
272414 2005 TT_{57}	16.9	X	165.71824	29.27419	174.17120	2.35689	0.1563561	0.26590994	2.3950413	20	11 7.3	20.5
272415 2005 TY_{64}	17.8	X	198.97827	168.45766	310.29873	0.70916	0.1376064	0.25623033	2.4549860	20	8 23.1	21.4
272416 2005 TT_{73}	17.1	X	167.52954	175.52569	127.79394	4.81267	0.1614589	0.29234995	2.2483678	20	—	—
272417 2005 TD_{76}	14.2	X	328.49607	224.38706	100.36247	10.22816	0.2782486	0.12386632	3.9856629	20	6 27.1	18.6
272418 2005 TA_{98}	17.5	X	63.29938	358.28140	279.60036	2.01586	0.2136932	0.26444146	2.4038997	20	11 6.7	21.1
272419 2005 TF_{101}	16.7	X	97.87344	236.71450	37.36522	5.68316	0.0911590	0.26876168	2.3780692	20	11 27.1	20.0
272420 2005 TQ_{103}	16.3	X	107.92361	37.33060	285.41192	5.66096	0.1064031	0.28048979	2.3113090	20	—	—
272421 2005 TF_{105}	16.9	X	25.27021	65.78074	297.26485	5.56444	0.2274501	0.27049700	2.3678876	20	—	—
272422 2005 TG_{107}	17.5	X	188.19094	135.97269	75.11227	2.17297	0.1300295	0.27157325	2.3616275	20	12 12.1	20.8
272423 2005 TE_{117}	17.3	X	174.53704	339.80983	218.14024	3.28201	0.1384868	0.26934759	2.3746193	20	11 10.2	20.7
272424 2005 TK_{117}	17.0	X	94.14627	22.03239	210.43732	5.20492	0.1525002	0.26141418	2.4224229	20	10 4.5	20.6
272425 2005 TH_{123}	17.7	X	220.10405	230.55269	14.31720	4.06327	0.2334730	0.28959272	2.2626165	20	—	—
272426 2005 TM_{131}	16.9	X	121.66278	209.28305	36.26838	7.54305	0.1150971	0.26729590	2.3867551	20	11 16.6	20.6
272427 2005 TQ_{136}	17.2	X	288.93725	313.33203	161.21792	4.58357	0.0597157	0.27359502	2.3499787	20	—	—
272428 2005 TH_{151}	17.2	X	175.36276	56.12547	93.50055	3.51456	0.1295532	0.25682466	2.4511971	20	9 10.5	20.8
272429 2005 TK_{152}	16.2	X	223.95548	283.29158	99.68173	10.00571	0.2026766	0.23536765	2.5979943	20	5 13.5	20.5
272430 2005 TM_{152}	16.2	X	45.38127	30.80747	98.97264	15.30755	0.1635665	0.21602292	2.7508664	20	3 15.8	19.5
272431 2005 TD_{154}	16.8	X	184.32426	342.71703	329.08207	6.38946	0.1929844	0.29515999	2.2340749	20	1 6.6	20.2
272432 2005 TD_{156}	17.1	X	244.41288	279.18575	221.86013	5.63324	0.0596685	0.27006149	2.3704326	20	12 1.1	19.8
272433 2005 TP_{167}	16.7	X	154.35779	231.70793	27.69147	7.53750	0.0704955	0.27502239	2.3418407	20	—	—
272434 2005 TW_{167}	17.0	X	131.08271	185.81426	15.97685	1.16868	0.1370044	0.25806344	2.4433465	20	10 1.8	20.7
272435 2005 TN_{171}	15.7	X	309.25481	119.04759	251.19402	9.30532	0.1106794	0.19053581	2.9910131	20	8 14.9	19.6
272436 2005 TG_{174}	16.9	X	217.87801	235.00585	102.39900	3.77985	0.0695004	0.23465601	2.6032443	20	3 17.1	20.6
272437 2005 TU_{176}	16.9	X	130.95483	154.66741	141.99570	7.15159	0.1272402	0.28077007	2.3097705	20	—	—
272438 2005 TM_{178}	17.3	X	168.93288	204.78224	91.20309	2.67244	0.2142117	0.28876149	2.2669565	20	—	—
272439 2005 TJ_{188}	17.2	X	12.89395	288.65571	345.81662	2.64337	0.1644352	0.25402691	2.4691619	20	8 9.9	19.3
272440 2005 UA	16.6	X	166.38190	224.62866	195.52288	32.60279	0.3303743	0.23461194	2.6035703	20	5 11.5	21.8
272441 2005 UR_{1}	16.1	X	345.12398	343.88205	14.36981	2.15385	0.1004513	0.19375171	2.9578242	20	10 2.8	19.6
272442 2005 UR_{9}	17.0	X	296.02672	32.83188	41.34755	6.96810	0.0832958	0.26544224	2.3978538	20	11 12.3	19.5
272443 2005 UZ_{10}	17.5	X	167.62985	251.45450	191.30670	4.52775	0.2184929	0.23969233	2.5666499	20	6 6.6	21.9
272444 2005 UM_{12}	17.1	X	96.51770	102.23065	40.84105	4.66755	0.1925156	0.23576162	2.5950993	20	6 13.9	20.8
272445 2005 UX_{12}	17.4	X	129.48837	21.77004	232.78065	4.64300	0.1022606	0.27081718	2.3660209	20	12 7.5	20.7
272446 2005 UQ_{13}	17.7	X	179.56234	314.38512	192.25843	0.73451	0.1392985	0.25583215	2.4575327	20	9 8.4	21.2
272447 2005 UQ_{17}	15.2	X	332.07855	73.27319	217.82006	26.08673	0.0566066	0.17649293	3.1476360	20	6 11.1	19.7
272448 2005 UP_{21}	17.4	X	157.74744	30.00925	273.02742	2.23044	0.2095180	0.28679004	2.2773337	20	—	—
272449 2005 UW_{21}	16.7	X	141.81823	6.48610	233.92505	5.83011	0.0917954	0.26843916	2.3799736	20	12 2.2	20.1
272450 2005 UG_{22}	17.5	X	152.73747	252.62833	230.03975	4.90745	0.1421606	0.24424398	2.5346625	20	7 10.9	21.4
272451 2005 UY_{29}	16.0	X	52.50613	316.98189	28.41510	2.24185	0.0747225	0.20310039	2.8663477	20	12 19.1	19.9
272452 2005 UO_{34}	16.7	X	107.59666	211.58800	226.56639	5.81311	0.1232480	0.22758077	2.6569232	20	3 22.8	20.3
272453 2005 UV_{39}	17.6	X	116.35531	236.02226	62.75633	2.19407	0.1904031	0.27456002	2.3444691	20	—	—
272454 2005 UV_{40}	17.1	X	127.72278	41.23615	61.83446	5.01128	0.1536159	0.23361935	2.6109397	20	5 22.5	20.9
272455 2005 UA_{50}	16.7	X	46.89557	298.86361	27.84618	15.06856	0.0607500	0.26695761	2.3887710	20	11 28.2	19.9
272456 2005 US_{51}	16.7	X	175.75607	354.39198	1.06133	6.20551	0.2328138	0.23075102	2.6325318	20	2 29.6	21.3
272457 2005 UP_{52}	17.0	X	82.16479	268.22052	55.62811	7.62654	0.1583046	0.27552583	2.3389871	20	—	—
272458 2005 UE_{54}	17.1	X	205.83693	234.09450	128.12817	1.81580	0.1878984	0.23687032	2.5869952	20	3 31.4	21.5
272459 2005 UP_{54}	16.6	X	54.87757	109.97595	228.59903	4.54723	0.2203403	0.27332536	2.3515241	20	—	—
272460 2005 UQ_{54}	16.6	X	61.28224	109.29626	224.67300	5.73610	0.1513646	0.27272060	2.3549991	20	—	—
272461 2005 UP_{55}	16.1	X	123.83667	351.92625	40.34470	12.53708	0.1883988	0.22421941	2.6834113	20	2 29.8	20.3
272462 2005 UO_{56}	16.8	X	151.23402	59.21912	11.88469	13.05236	0.1742112	0.23578261	2.5949452	20	5 2.7	21.0
272463 2005 UE_{60}	16.7	X	103.67952	348.60511	330.32954	2.31261	0.2409461	0.27872302	2.3210660	20	—	—
272464 2005 UH_{63}	17.6	X	94.86929	217.02682	65.28970	4.08906	0.1185188	0.26606731	2.3940968	20	12 6.3	21.2
272465 2005 UQ_{66}	16.6	X	125.80379	273.77451	122.44566	8.26724	0.2036485	0.22719577	2.6599240	20	3 5.1	20.6
272466 2005 UY_{66}	16.0	X	60.38044	42.94329	45.17007	13.69951	0.0378917	0.22374722	2.6871853	20	1 26.8	19.7
272467 2005 UD_{67}	16.4	X	21.29037	283.82019	92.61784	8.91879	0.2024217	0.27155731	2.3617199	20	—	—
272468 2005 UV_{70}	17.1	X	198.37123	37.35144	18.90343	14.24208	0.1240083	0.24308968	2.5426800	20	5 28.7	21.3
272469 2005 UK_{75}	16.5	X	125.00402	58.49092	332.09378	13.77606	0.1780087	0.22613195	2.6682597	20	2 21.2	20.1
272470 2005 UT_{76}	17.2	X	194.40560	6.24541	30.09313	4.59219	0.2590291	0.23836732	2.5761526	20	4 30.6	21.9
272471 2005 UF_{77}	16.6	X	117.70415	296.95761	88.51833	13.21806	0.2544116	0.22310478	2.6923414	20	2 21.2	20.9
272472 2005 UL_{77}	16.5	X	144.73488	246.39959	189.70184	12.90039	0.2260664	0.23348048	2.6119749	20	5 11.9	21.0
272473 2005 UZ_{79}	17.1	X	143.26629	226.36766	174.41195	4.30025	0.1813481	0.22905479	2.6455124	20	3 23.3	21.1
272474 2005 UO_{80}	16.5	X	1.61458	260.93128	103.09084	6.88167	0.1355296	0.26354960	2.4093199	20	11 29.9	19.0
272475 2005 UU_{80}	16.5	X	180.57067	238.67969	87.29224	6.31463	0.3228129	0.29575782	2.2310633	20	1 27.6	20.5
272476 2005 UF_{87}	17.1	X	110.04062	114.49293	107.77581	1.92563	0.0367540	0.25839594	2.4412500	20	9 30.2	20.2
272477 2005 UY_{92}	17.1	X	67.49826	4.99751	290.82168	3.30233	0.1593219	0.26612253	2.3937656	20	11 28.2	20.4
272478 2005 UC_{96}	17.3	X	137.99685	233.31574	76.07931	4.27725	0.1567454	0.28193434	2.3034072	20	—	—
272479 2005 UH_{102}	16.8	X	164.65796	110.49631	74.76915	7.35471	0.0862334	0.25920412	2.4361729	20	10 18.9	20.3
272480 2005 UZ_{102}	17.6	X	119.32976	131.18888	184.12937	2.18801	0.2240904	0.28010524	2.3134240	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
272481 2005 UV_{104}	17.1	X	107.24378	18.44634	96.14217	4.00314	0.1591315	0.23227551	2.6210005	20	5 16.5	20.8
272482 2005 UH_{109}	16.3	X	79.63432	216.88553	123.59289	7.24621	0.1964654	0.27793411	2.3254561	20	—	—
272483 2005 UG_{111}	16.7	X	31.23522	91.78859	28.81762	5.28479	0.0632656	0.21975224	2.7196552	20	1 27.1	20.1
272484 2005 UA_{114}	16.7	X	154.96593	36.45158	47.94697	33.03865	0.2090920	0.23569847	2.5955628	20	5 22.2	21.2
272485 2005 UC_{118}	17.6	X	135.47683	270.34685	329.67462	1.04000	0.1369342	0.26717520	2.3874738	20	11 24.1	21.3
272486 2005 UA_{119}	17.5	X	110.95290	97.33265	217.46201	1.67667	0.2176829	0.27974986	2.3153828	20	—	—
272487 2005 UZ_{120}	17.3	X	251.80735	326.27262	6.55594	1.76893	0.2135824	0.24157839	2.5532734	20	4 2.1	21.1
272488 2005 UC_{128}	16.8	X	84.07597	252.50957	231.43253	4.99224	0.2065926	0.22926939	2.6438613	20	5 6.4	20.2
272489 2005 UA_{129}	17.3	X	169.77330	209.05636	235.30832	3.14390	0.0686178	0.24088428	2.5581760	20	6 7.7	21.0
272490 2005 UN_{130}	16.5	X	161.39167	261.97406	89.07936	12.86631	0.2990065	0.22792232	2.6542682	20	2 19.9	21.4
272491 2005 UN_{140}	18.0	X	338.05945	152.96277	163.57354	1.70081	0.1909162	0.25459191	2.4655074	20	7 28.8	20.0
272492 2005 UX_{142}	16.7	X	155.21407	36.71496	48.84674	7.41873	0.1331697	0.23658296	2.5890896	20	5 25.9	20.7
272493 2005 UZ_{147}	17.0	X	66.25370	86.72458	1.06643	3.31228	0.0601974	0.22250168	2.6972044	20	2 2.9	20.3
272494 2005 UT_{149}	17.5	X	155.15965	84.18963	23.33451	3.80859	0.1245975	0.24135454	2.5548519	20	6 23.8	21.4
272495 2005 UO_{151}	16.4	X	338.35666	95.84039	254.48067	2.03337	0.1141539	0.18940921	3.0028616	20	9 8.7	19.8
272496 2005 UG_{155}	17.0	X	284.11614	287.22551	49.22063	6.45538	0.1810622	0.24612370	2.5217407	20	5 16.7	20.2
272497 2005 UM_{155}	16.5	X	105.69909	326.37685	120.03016	8.36112	0.1569226	0.23092508	2.6312088	20	4 10.8	20.3
272498 2005 UB_{156}	17.0	X	176.50820	236.27572	160.68148	11.72967	0.1913877	0.23579589	2.5948478	20	4 20.4	21.4
272499 2005 UJ_{157}	16.5	X	138.22147	339.71491	317.26889	5.91909	0.2809637	0.28313920	2.2968681	20	—	—
272500 2005 UG_{159}	16.7	X	144.27595	214.72184	98.95800	7.31898	0.2096223	0.28459367	2.2890356	20	—	—
272501 2005 UP_{159}	16.4	X	207.44826	357.50795	74.28192	6.32328	0.1146590	0.24737830	2.5132073	20	7 2.2	20.0
272502 2005 UZ_{160}	16.7	X	120.98179	264.78662	173.47131	6.01779	0.2240942	0.22996053	2.6385612	20	4 22.6	20.7
272503 2005 UZ_{164}	17.0	X	277.86343	260.91109	30.67302	4.73185	0.1530732	0.23814746	2.5777379	20	3 16.7	20.6
272504 2005 UF_{170}	17.2	X	11.65497	341.02472	20.58903	3.06545	0.1933266	0.26701708	2.3884163	20	12 21.4	19.9
272505 2005 UF_{175}	15.5	X	276.17795	76.42278	273.63914	3.73873	0.0552069	0.17581654	3.1557038	20	6 13.0	19.8
272506 2005 UX_{179}	17.0	X	145.03030	241.83946	156.70490	2.83394	0.0779138	0.22784179	2.6548937	20	3 13.0	20.6
272507 2005 UW_{180}	17.3	X	94.33571	169.99648	118.74106	3.37747	0.1142495	0.26669804	2.3903207	20	12 13.9	20.8
272508 2005 UY_{184}	17.0	X	116.28355	230.88064	59.27639	7.20650	0.1167548	0.27142133	2.3625086	20	—	—
272509 2005 UY_{185}	16.5	X	270.47758	190.17162	63.71555	5.39907	0.1124809	0.22379800	2.6867788	20	1 27.8	20.5
272510 2005 UE_{197}	16.8	X	178.22563	345.32115	87.75727	3.57089	0.1036278	0.23938575	2.5688408	20	6 2.7	20.5
272511 2005 UV_{198}	17.5	X	144.94602	240.21771	50.70281	5.23595	0.2015262	0.28124608	2.3071636	20	—	—
272512 2005 UB_{200}	17.3	X	87.97696	282.47900	208.79274	3.52605	0.1108863	0.23295501	2.6159013	20	5 7.1	20.7
272513 2005 UE_{213}	16.5	X	173.88327	138.33292	265.35825	5.76857	0.3271977	0.23116290	2.6294038	20	4 24.4	21.4
272514 2005 UR_{218}	16.8	X	124.70388	251.55791	259.44741	5.10642	0.1578725	0.24379166	2.5377966	20	7 20.5	20.6
272515 2005 UH_{226}	16.7	X	137.99429	340.50756	50.83019	3.46409	0.1336212	0.22698799	2.6615469	20	3 3.5	20.6
272516 2005 UM_{239}	17.0	X	186.42605	45.69723	125.38602	5.21875	0.0942737	0.25902630	2.4372877	20	10 23.4	20.5
272517 2005 UL_{249}	17.2	X	39.84865	168.30839	74.97166	2.50964	0.0431995	0.24696928	2.5159814	20	7 23.5	20.2
272518 2005 UY_{251}	17.0	X	115.26524	67.00731	18.26064	11.57723	0.2757037	0.22934438	2.6432849	20	4 27.5	21.3
272519 2005 UA_{256}	17.5	X	202.83740	174.77695	199.80671	3.69896	0.1933102	0.23619409	2.5919306	20	4 12.2	21.6
272520 2005 UM_{261}	17.2	X	201.08658	169.37287	48.43198	2.96865	0.1232134	0.27696983	2.3308504	20	—	—
272521 2005 UL_{262}	17.1	X	110.16480	119.75379	110.79562	2.35860	0.1302209	0.26083966	2.4259786	20	10 18.7	20.6
272522 2005 UY_{262}	16.5	X	312.40729	232.00182	188.98040	9.38220	0.0806518	0.19988672	2.8969884	20	11 5.9	20.2
272523 2005 UN_{263}	17.9	X	168.48266	49.06925	116.56486	2.21678	0.1281459	0.25621065	2.4551118	20	9 23.5	21.6
272524 2005 UR_{267}	17.7	X	127.01329	355.41893	144.20883	2.14111	0.1326685	0.24090536	2.5580267	20	7 6.7	21.5
272525 2005 UJ_{273}	16.6	X	219.39230	327.35777	50.55841	2.97874	0.2162554	0.23881050	2.5729644	20	4 29.6	21.0
272526 2005 UT_{273}	17.1	X	153.89735	190.91995	31.37436	7.19375	0.0738202	0.27036574	2.3686539	20	11 21.8	20.4
272527 2005 UZ_{273}	16.6	X	176.39584	39.26688	314.22156	14.13844	0.2107369	0.23146282	2.6271320	20	2 22.6	21.0
272528 2005 UF_{276}	17.3	X	155.39264	58.54903	29.55607	6.28383	0.1288648	0.23901137	2.5715226	20	5 28.8	21.3
272529 2005 UY_{281}	17.4	X	39.70951	236.68972	76.41206	2.18503	0.1885551	0.26372228	2.4082681	20	11 22.9	20.5
272530 2005 UG_{284}	17.2	X	123.30056	11.26279	129.71054	3.10064	0.1259189	0.24230219	2.5481862	20	7 3.9	20.9
272531 2005 US_{294}	17.2	X	141.28696	183.01952	346.84703	2.22453	0.0575550	0.25110882	2.4882542	20	8 28.7	20.7
272532 2005 UO_{296}	16.7	X	5.15821	39.31699	230.64604	3.98138	0.0217285	0.24505265	2.5290832	20	7 6.1	19.9
272533 2005 UC_{300}	17.0	X	267.46057	184.68056	142.87845	6.09204	0.2577599	0.24290864	2.5439432	20	4 8.4	21.0
272534 2005 UQ_{304}	17.3	X	35.42529	277.41148	94.12925	8.65961	0.1728013	0.27170737	2.3608502	20	—	—
272535 2005 UZ_{306}	16.8	X	205.09647	298.79352	45.37460	4.26521	0.1985048	0.23294530	2.6159740	20	3 10.3	21.3
272536 2005 UZ_{309}	17.1	X	162.13813	290.70820	78.44745	2.98642	0.1043382	0.22682879	2.6627921	20	2 27.5	21.1
272537 2005 UP_{314}	16.7	X	173.33090	212.16841	195.18683	13.53306	0.1573272	0.23681252	2.5874161	20	4 27.9	20.9
272538 2005 UY_{317}	17.2	X	235.67962	7.72822	287.41281	1.14859	0.0655611	0.22786460	2.6547165	20	2 11.6	20.8
272539 2005 UZ_{322}	18.0	X	93.90210	311.92391	336.43110	0.76129	0.1866622	0.26990979	2.3713207	20	12 17.5	21.6
272540 2005 UG_{328}	17.6	X	111.53800	270.85733	48.52341	2.19225	0.0685420	0.28066759	2.3103328	20	—	—
272541 2005 UH_{328}	17.3	X	197.62951	99.76226	42.12683	2.04542	0.1381770	0.25998074	2.4313189	20	9 22.3	20.8
272542 2005 UM_{329}	17.4	X	172.44088	236.34416	55.09307	6.54403	0.1510879	0.28569619	2.2831428	20	—	—
272543 2005 US_{344}	16.1	X	44.59812	55.45571	232.80301	9.52369	0.0993604	0.19233428	2.9723384	20	9 27.1	20.3
272544 2005 UO_{349}	15.5	X	45.79870	282.04843	2.79158	8.45257	0.0698227	0.19028317	2.9936600	20	9 23.3	19.5
272545 2005 UB_{362}	17.5	X	84.66856	38.20416	52.18270	2.25359	0.0871150	0.22754934	2.6571679	20	3 6.3	20.8
272546 2005 UH_{367}	16.9	X	123.67563	59.23964	91.64136	6.01065	0.1649865	0.24217886	2.5490512	20	7 21.4	20.7
272547 2005 UP_{382}	17.3	X	161.56749	176.73418	146.13614	5.41406	0.1557523	0.29127465	2.2538980	20	—	—
272548 2005 UP_{388}	17.3	X	188.74967	65.29389	204.55977	4.25998	0.1585655	0.28824966	2.2696393	20	—	—
272549 2005 UM_{396}	16.7	X	96.87927	287.80810	66.40119	7.49512	0.1261459	0.28420891	2.2911011	20	—	—
272550 2005 UK_{397}	16.1	X	337.82924	330.62477	52.48511	11.24318	0.0955011	0.19730242	2.9222303	20	10 26.9	19.7
272551 2005 UZ_{407}	17.3	X	253.75158	0.58791	90.17644	2.37981	0.1501642	0.25908373	2.4369276	20	9 20.1	20.2
272552 2005 UE_{419}	17.4	X	134.58612	115.93802	96.05260	3.35864	0.1445944	0.25967045	2.4332554	20	10 20.0	21.1
272553 2005 UL_{431}	16.9	X	235.30804	199.24570	90.88192	3.24121	0.0567607	0.22492955	2.6777603	20	2 7.1	20.7
272554 2005 UX_{441}	16.9	X	191.87408	62.37774	297.69954	10.81766	0.2814515	0.23579097	2.5948840	20	3 11.9	21.9
272555 2005 UE_{442}	15.3	X	137.97567	198.01498	247.95367	12.32253	0.2679952	0.23091207	2.6313076	20	5 18.9	19.9
272556 2005 UQ_{443}	16.9	X	271.89545	81.71642	321.57835	4.17388	0.0482359	0.25477682	2.4643143	20	8 24.5	19.9
272557 2005 UD_{447}	16.6	X	86.81886	158.91133	310.82014	5.31205	0.1384229	0.22924728	2.6440313	20	4 7.7	20.1
272558 2005 UN_{463}	17.6	X	165.32681	85.75840	123.31039	2.97867	0.1246446	0.26537183	2.3982779	20	11 15.8	21.2
272559 2005 UR_{464}	17.6	X	177.31078	124.24037	141.80088	3.43605	0.1522960	0.28154237	2.3055447	20	—	—
272560 2005 UC_{469}	17.0	X	138.02750	34.42399	283.97145	3.06183	0.2842074	0.28557835	2.2837708	20	—	—

ELEMENTS AND OPPOSITION DATES IN 2020

ECLIPTIC AND EQUINOX 2000.0, EPOCH 2020 MAY 31.0 TT

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
272561 2005 UY_{478}	15.8	X	290.36770	223.99158	41.74636	8.40035	0.1543394	0.23188152	2.6239685	20	3 1.5	19.6
272562 2005 UZ_{478}	17.1	X	158.14211	42.44948	212.15118	4.72619	0.2003154	0.27245188	2.3565474	20	12 30.9	20.9
272563 2005 UD_{480}	16.9	X	228.54753	33.05947	313.11858	13.39292	0.2858083	0.24055177	2.5605328	20	3 19.5	21.7
272564 2005 UJ_{482}	17.1	X	198.64007	48.71341	241.01814	5.02252	0.1826430	0.29373786	2.2412799	20	—	—
272565 2005 UV_{491}	16.4	X	254.06540	219.82394	106.08365	13.14469	0.1861854	0.24064073	2.5599017	20	4 5.1	20.6
272566 2005 UX_{493}	15.6	X	209.54406	82.01696	355.07051	8.73881	0.0867998	0.17839991	3.1251651	20	7 12.3	20.4
272567 2005 UB_{495}	16.8	X	153.94992	272.77286	73.15497	7.79260	0.1720212	0.29485917	2.2355941	20	1 18.5	19.9
272568 2005 UX_{499}	16.4	X	120.19499	235.71128	161.07895	13.86426	0.1897677	0.22358119	2.6885155	20	2 24.9	20.3
272569 2005 UN_{511}	17.3	X	93.78877	89.14903	320.64409	1.07284	0.0879068	0.21913986	2.7247195	20	1 26.6	20.8
272570 2005 UG_{514}	17.6	X	174.06193	44.13026	187.99495	5.21847	0.0673500	0.27695445	2.3309367	20	12 30.7	20.7
272571 2005 US_{514}	16.1	X	38.17173	177.47077	155.83725	6.25811	0.0722992	0.20151453	2.8813663	20	11 17.6	20.0
272572 2005 UR_{516}	17.8	X	29.86991	177.14480	98.87795	3.11871	0.1699026	0.26002534	2.4310409	20	9 16.3	20.4
272573 2005 UC_{524}	17.5	X	187.67858	229.74162	165.32473	7.01076	0.1786929	0.23888843	2.5724048	20	4 26.3	21.7
272574 2005 VX_{5}	17.5	X	128.02380	197.96913	27.80466	1.57573	0.1374620	0.26149777	2.4219066	20	10 29.5	21.0
272575 2005 VM_{6}	16.9	X	133.96682	48.79030	42.39176	12.37843	0.1434268	0.23285761	2.6166306	20	5 11.7	20.7
272576 2005 VT_{10}	17.3	X	219.09932	213.03867	189.47567	3.60386	0.1333808	0.24287310	2.5441913	20	6 4.9	21.1
272577 2005 VY_{14}	16.2	X	120.33754	319.61679	76.98930	7.18690	0.0588270	0.22380267	2.6867415	20	2 10.3	20.0
272578 2005 VM_{17}	15.8	X	343.91823	263.86724	79.77485	7.06641	0.1748734	0.19068839	2.9894173	20	9 15.9	19.0
272579 2005 VK_{23}	17.3	X	111.25064	134.67021	16.79109	3.21644	0.0821837	0.24137763	2.5546890	20	6 29.4	20.9
272580 2005 VU_{27}	17.2	X	203.13132	354.63982	346.43124	1.64396	0.0900576	0.23142457	2.6274214	20	3 3.8	21.0
272581 2005 VN_{32}	16.7	X	97.44085	219.83256	65.71923	7.32210	0.1603022	0.26615939	2.3935446	20	12 15.0	20.5
272582 2005 VA_{39}	17.0	X	166.95063	200.68543	169.90725	3.86317	0.0879329	0.22530703	2.6747686	20	3 2.7	20.8
272583 2005 VY_{41}	16.5	X	43.96250	320.31998	110.29378	4.85046	0.1566472	0.21477527	2.7615095	20	—	—
272584 2005 VE_{42}	16.7	X	111.09344	265.82049	200.12639	12.68239	0.2399823	0.23016708	2.6369825	20	5 19.4	20.9
272585 2005 VR_{46}	15.6	X	218.96038	6.75722	90.64414	10.25364	0.1054002	0.18188828	3.0850787	20	8 16.6	20.4
272586 2005 VA_{49}	16.9	X	157.33221	204.11859	68.32183	6.18823	0.0783976	0.27686245	2.3314531	20	—	—
272587 2005 VQ_{51}	17.2	X	125.33092	186.43805	150.73093	7.72342	0.2170397	0.28613085	2.2808301	20	—	—
272588 2005 VB_{55}	17.2	X	112.48411	225.46987	257.15232	4.02165	0.1789671	0.23599398	2.5933956	20	6 3.3	21.0
272589 2005 VA_{58}	17.1	X	239.95823	142.52027	124.87713	5.42386	0.1393909	0.28802444	2.2708223	20	1 1.2	20.6
272590 2005 VZ_{71}	15.2	X	98.45268	135.69020	66.34139	17.82889	0.1619791	0.17881985	3.1202704	20	9 2.2	20.3
272591 2005 VP_{77}	17.1	X	109.00332	215.51503	103.49535	4.94273	0.2589433	0.28119844	2.3074242	20	—	—
272592 2005 VB_{81}	15.4	X	216.04122	183.20684	242.60471	12.40638	0.1458689	0.17549351	3.1595751	20	6 27.7	20.5
272593 2005 VL_{89}	17.2	X	167.42529	240.90476	204.26153	8.20932	0.1360586	0.23902299	2.5714392	20	6 7.9	21.3
272594 2005 VE_{91}	15.3	X	226.54788	158.81415	271.55347	9.38186	0.2265157	0.17735411	3.1374384	20	7 7.6	20.5
272595 2005 VB_{93}	17.0	X	185.85446	246.98412	88.06591	7.65121	0.2183686	0.22626363	2.6672244	20	2 14.5	21.6
272596 2005 VP_{107}	15.8	X	308.85889	124.72043	252.45968	8.87073	0.1022879	0.18789161	3.0190093	20	8 24.0	19.8
272597 2005 VD_{109}	17.2	X	168.98337	293.14813	47.29602	2.86310	0.1703129	0.22565732	2.6719999	20	2 3.5	21.4
272598 2005 VJ_{110}	16.9	X	164.65613	114.78489	71.41732	2.43102	0.1348566	0.25837276	2.4413960	20	10 15.8	20.7
272599 2005 VF_{114}	17.4	X	176.33787	138.02206	246.81725	1.18656	0.0985207	0.23072510	2.6327290	20	3 30.1	21.4
272600 2005 VV_{125}	18.2	X	169.40720	33.77351	142.40323	0.93829	0.1185360	0.26459664	2.4029598	20	10 8.8	21.5
272601 2005 VA_{135}	17.3	X	100.93165	133.07585	37.81054	3.46965	0.0758667	0.24101129	2.5572771	20	7 12.5	20.7
272602 2005 WC_{3}	16.9	X	167.89652	255.83348	192.18538	8.42855	0.1966700	0.23837395	2.5761048	20	6 12.9	21.3
272603 2005 WL_{7}	16.5	X	85.86008	293.23228	295.39207	4.65969	0.0927931	0.25209699	2.4817476	20	9 10.6	19.9
272604 2005 WM_{7}	17.2	X	201.02614	60.38290	340.74722	2.95247	0.2620916	0.23992020	2.5650244	20	5 10.6	21.9
272605 2005 WF_{10}	17.1	X	173.81718	7.98822	72.10853	5.45031	0.1614222	0.23724249	2.5842889	20	6 7.4	21.3
272606 2005 WV_{14}	16.5	X	206.32988	264.89724	59.12042	3.57683	0.0935443	0.22594158	2.6697582	20	2 17.2	20.5
272607 2005 WH_{15}	17.6	X	163.05146	0.97157	64.18120	5.60662	0.1955819	0.23449603	2.6044282	20	5 11.2	21.8
272608 2005 WO_{15}	17.1	X	187.51112	343.82232	64.37890	0.10485	0.1848864	0.23690385	2.5867510	20	5 10.6	21.5
272609 2005 WF_{18}	15.9	X	177.27974	241.22140	249.02125	3.99403	0.0894586	0.17884814	3.1199413	20	8 9.8	20.7
272610 2005 WM_{18}	16.8	X	248.93957	319.21033	72.63399	4.19016	0.1676144	0.24511940	2.5286240	20	6 19.5	20.5
272611 2005 WT_{18}	16.2	X	70.05218	106.76884	74.80206	16.08614	0.1429007	0.23382473	2.6094106	20	6 24.5	19.6
272612 2005 WZ_{18}	16.4	X	116.82867	31.51249	75.83806	11.39171	0.2166040	0.22988240	2.6391591	20	5 24.1	20.4
272613 2005 WM_{22}	17.3	X	146.96378	319.71836	35.62508	2.52742	0.2947039	0.22397655	2.6853507	20	2 11.3	21.8
272614 2005 WG_{24}	16.7	X	200.53021	344.51211	58.29454	12.68089	0.1787325	0.23882430	2.5728653	20	5 15.8	20.8
272615 2005 WE_{26}	17.5	X	167.39237	29.62942	41.14968	4.60315	0.1899724	0.23566309	2.5958226	20	5 20.8	21.9
272616 2005 WG_{26}	17.5	X	148.36412	77.41155	298.71934	2.48478	0.1735233	0.22461850	2.6802319	20	2 25.8	21.7
272617 2005 WM_{27}	16.7	X	43.57296	24.04066	59.57713	5.92192	0.0284654	0.21459789	2.7630310	20	—	—
272618 2005 WA_{29}	17.6	X	163.70447	304.15698	55.95535	6.78791	0.0424758	0.22296243	2.6934873	20	2 15.1	21.5
272619 2005 WY_{33}	16.7	X	95.72773	121.62312	267.29838	6.95281	0.3270365	0.21768750	2.7368252	20	2 5.1	20.4
272620 2005 WB_{35}	17.2	X	124.00844	52.32187	80.20582	1.81146	0.0941393	0.23726428	2.5841307	20	6 20.3	20.6
272621 2005 WG_{35}	17.6	X	267.25753	44.96498	80.51017	2.37529	0.1337304	0.26268704	2.4145912	20	12 1.2	20.0
272622 2005 WU_{38}	16.3	X	195.43035	323.01222	87.86660	12.77450	0.0693986	0.23570511	2.5955141	20	5 25.9	20.1
272623 2005 WJ_{40}	17.0	X	226.14042	222.99911	75.54631	4.82288	0.1055698	0.22218804	2.6997420	20	2 6.2	21.1
272624 2005 WY_{47}	17.2	X	109.61057	218.93852	51.70473	2.92899	0.1870548	0.26396369	2.4067995	20	12 8.5	21.0
272625 2005 WO_{58}	16.2	X	37.97855	219.43533	276.62973	9.96229	0.1807576	0.21565476	2.7539963	20	2 27.3	19.2
272626 2005 WX_{61}	17.4	X	60.60455	345.08746	318.71119	2.04854	0.2027168	0.26250721	2.4156939	20	12 5.3	21.0
272627 2005 WZ_{63}	16.7	X	310.94585	222.17551	169.09936	5.95140	0.1375288	0.25735797	2.4478096	20	10 2.6	18.9
272628 2005 WK_{65}	17.1	X	126.58593	271.12228	216.24205	10.80909	0.2542553	0.23787727	2.5796894	20	6 28.4	21.6
272629 2005 WE_{66}	16.8	X	229.14421	216.74257	68.91517	3.73485	0.0239898	0.22086142	2.7105420	20	1 27.9	20.6
272630 2005 WL_{66}	16.4	X	277.50717	186.63902	82.10416	4.01496	0.0592352	0.22695103	2.6618359	20	3 1.1	20.1
272631 2005 WC_{69}	17.4	X	98.51904	67.66736	218.90165	2.20425	0.1863167	0.26676545	2.3899180	20	12 18.9	21.1
272632 2005 WF_{71}	15.6	X	272.50367	165.67862	260.56014	8.71477	0.1120926	0.18644657	3.0345883	20	9 2.5	19.9
272633 2005 WD_{73}	16.9	X	170.97536	252.77730	148.77826	2.96274	0.2166431	0.23340619	2.6125291	20	4 20.1	21.4
272634 2005 WT_{74}	16.3	X	161.52312	260.22911	170.00406	12.99334	0.1497389	0.23381100	2.6095127	20	5 16.8	20.6
272635 2005 WB_{76}	17.1	X	203.29874	12.79950	59.68078	2.37935	0.1957822	0.24219521	2.5489365	20	6 23.9	21.2
272636 2005 WJ_{76}	17.3	X	158.25750	16.67070	41.31145	3.18782	0.1373126	0.23228853	2.6209025	20	4 24.9	21.3
272637 2005 WV_{76}	16.5	X	26.29216	251.79214	45.47647	5.47569	0.1115437	0.25287820	2.4766337	20	9 30.8	19.3
272638 2005 WL_{79}	17.2	X	14.05221	88.13142	260.34843	5.34977	0.2007212	0.26218648	2.4176635	20	12 6.8	20.0
272639 2005 WB_{81}	16.7	X	28.89023	258.56532	268.68853	2.77670	0.0359147	0.22588546	2.6702005	20	3 20.1	20.2
272640 2005 WN_{84}	17.2	X	158.21929	137.85498	28.98169	1.51916	0.0835989	0.25153515	2.4854418	20	9 14.0	20.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
272641 2005 WC_{91}	16.7	X	156.53301	115.60610	8.60869	4.30222	0.1529817	0.24170373	2.5523906	20	7 18.9	20.8
272642 2005 WH_{99}	16.1	X	187.01470	219.62531	81.04885	10.39285	0.0815793	0.21544111	2.7558167	20	—	—
272643 2005 WC_{100}	17.1	X	192.56206	328.68625	87.08843	3.05596	0.1470465	0.23918312	2.5702914	20	5 25.5	21.1
272644 2005 WH_{108}	16.7	X	89.12396	350.28337	20.34057	6.16050	0.1827817	0.28800986	2.2708990	20	—	—
272645 2005 WK_{115}	16.5	X	254.96784	115.87672	273.07939	2.62642	0.1702715	0.17439284	3.1728554	20	6 20.6	21.0
272646 2005 WC_{117}	17.5	X	188.28901	212.74096	185.45272	3.99557	0.1823208	0.23640921	2.5903580	20	4 29.6	21.8
272647 2005 WW_{121}	15.8	X	191.80740	183.13339	235.35378	7.10896	0.1415163	0.23757590	2.5818706	20	5 28.3	19.9
272648 2005 WZ_{124}	17.2	X	74.27579	240.38110	292.00454	1.99428	0.1197112	0.23385359	2.6091959	20	6 14.7	20.5
272649 2005 WD_{135}	16.7	X	45.46661	148.21017	102.57635	10.49660	0.1015299	0.23860990	2.5744062	20	8 22.5	20.0
272650 2005 WV_{144}	17.3	X	129.58109	115.30093	337.44749	1.71612	0.1794601	0.23146928	2.6270831	20	5 12.9	21.3
272651 2005 WX_{147}	16.3	X	287.22570	168.60254	54.25320	4.36528	0.1333438	0.21667882	2.7453122	20	1 5.8	20.3
272652 2005 WV_{156}	16.4	X	162.63063	321.24717	74.67832	6.37610	0.2292228	0.22962256	2.6411497	20	4 8.9	20.9
272653 2005 WR_{162}	15.6	X	53.75825	258.50785	273.23867	11.04549	0.1118352	0.22576221	2.6711722	20	5 10.4	19.0
272654 2005 WA_{171}	16.9	X	109.28959	187.72495	96.06795	3.32370	0.1630142	0.26429875	2.4047650	20	12 23.7	20.7
272655 2005 WD_{171}	17.3	X	247.56052	37.23608	131.38052	2.06668	0.1332795	0.26448744	2.4036211	20	12 30.2	19.9
272656 2005 WS_{174}	16.5	X	168.77227	297.74030	70.60962	5.01255	0.0316570	0.22171405	2.7035884	20	3 1.3	20.4
272657 2005 WP_{175}	16.5	X	127.44854	359.61296	82.65393	6.00386	0.1549087	0.22781576	2.6550959	20	4 27.8	20.5
272658 2005 WD_{177}	16.9	X	165.16594	357.18185	49.87721	3.05348	0.2075355	0.22994084	2.6387119	20	4 21.2	21.2
272659 2005 WW_{181}	16.5	X	169.32340	337.60596	82.93376	8.92795	0.1803401	0.23524067	2.5989291	20	5 11.9	20.8
272660 2005 WN_{182}	16.0	X	155.11641	325.76649	110.89306	15.73030	0.2405702	0.23084451	2.6318210	20	5 24.3	20.7
272661 2005 WZ_{182}	16.2	X	157.26103	203.15218	195.99259	13.62707	0.1668027	0.22997889	2.6384208	20	4 1.7	20.2
272662 2005 WM_{184}	16.4	X	91.05182	136.87600	10.73429	4.94585	0.2195581	0.23356100	2.6113746	20	6 17.3	20.2
272663 2005 WF_{186}	16.3	X	74.44189	337.72949	115.78342	10.29026	0.3019107	0.21871625	2.7282365	20	4 3.7	19.8
272664 2005 WN_{186}	16.9	X	87.51308	194.00239	276.19473	3.00955	0.1428328	0.22016554	2.7162505	20	4 11.9	20.4
272665 2005 WW_{186}	16.3	X	180.06358	265.47706	38.96980	4.87218	0.0570455	0.21488692	2.7605528	20	—	—
272666 2005 WN_{192}	16.7	X	14.76941	166.55155	172.45852	7.23039	0.1301259	0.26068321	2.4269492	20	11 14.9	19.5
272667 2005 WC_{197}	16.4	X	121.55439	10.09819	145.68612	5.04533	0.1417958	0.23989554	2.5652002	20	7 22.5	20.2
272668 2005 WQ_{201}	17.3	X	75.36617	48.25207	15.77251	2.42106	0.0641593	0.21668474	2.7452622	20	1 17.2	20.8
272669 2005 WP_{204}	16.1	X	45.19201	350.85300	119.28117	9.83282	0.0946697	0.21158379	2.7892094	20	2 5.4	19.4
272670 2005 XD	16.4	X	163.41392	249.84666	176.59617	12.78174	0.2051100	0.23469287	2.6029717	20	5 15.4	20.9
272671 2005 XQ	16.2	X	115.55272	155.41250	280.42997	8.48364	0.3572974	0.22653970	2.6650570	20	4 22.9	20.8
272672 2005 XP_{1}	16.6	X	96.00715	133.11250	71.87923	11.48862	0.1711417	0.24419537	2.5349988	20	9 7.8	20.6
272673 2005 XP_{3}	16.6	X	323.68602	67.53185	290.09347	5.75719	0.1130228	0.25468656	2.4648966	20	9 2.5	19.1
272674 2005 XS_{3}	15.7	X	242.99441	152.16365	256.73463	16.47478	0.2335295	0.17694975	3.1422163	20	6 25.2	20.8
272675 2005 XV_{5}	16.2	X	90.85395	30.13668	73.60283	12.91382	0.1472914	0.22663496	2.6643102	20	4 15.8	19.9
272676 2005 XD_{14}	16.9	X	33.71824	199.74895	124.24326	5.52528	0.1927636	0.26059588	2.4274913	20	11 30.5	20.0
272677 2005 XE_{17}	17.1	X	142.78245	178.38527	230.53203	4.28264	0.3050811	0.22768118	2.6561420	20	4 9.5	21.8
272678 2005 XD_{21}	16.9	X	322.38145	220.29357	54.27905	0.99393	0.0971942	0.23985630	2.5654800	20	5 1.7	19.6
272679 2005 XC_{23}	16.4	X	257.29109	80.78851	248.50479	2.68318	0.1414182	0.23594095	2.5937841	20	4 9.9	20.3
272680 2005 XJ_{26}	17.3	X	132.41742	123.51174	108.91651	2.18549	0.1393747	0.25965204	2.4333704	20	11 11.5	21.0
272681 2005 XN_{36}	16.3	X	96.03029	18.18375	83.69784	11.57184	0.1114477	0.22411926	2.6842106	20	4 14.7	20.1
272682 2005 XH_{38}	15.6	X	254.75773	73.92913	154.67191	8.35168	0.0271303	0.19830673	2.9123557	20	—	—
272683 2005 XH_{48}	17.3	X	100.74804	74.23390	66.03007	4.97079	0.1448735	0.23298913	2.6156458	20	6 8.9	21.0
272684 2005 XJ_{57}	16.1	X	135.66774	268.94675	178.05425	21.93636	0.0693057	0.23352992	2.6116062	20	5 5.4	20.1
272685 2005 XQ_{61}	14.4	X	159.72035	280.80831	267.31155	22.88937	0.3066355	0.17632411	3.1496448	20	9 21.3	20.6
272686 2005 XX_{61}	17.3	X	163.29881	231.14451	252.86154	1.92653	0.0623286	0.24639663	2.5198781	20	7 23.2	20.8
272687 2005 XY_{64}	16.7	X	164.87068	211.94359	221.56023	9.12702	0.1959525	0.23477698	2.6023500	20	5 23.2	21.0
272688 2005 XA_{66}	16.2	X	226.38055	200.39003	203.76940	3.66858	0.2452918	0.24219239	2.5489563	20	6 5.7	20.4
272689 2005 XQ_{66}	15.6	X	277.65646	352.36681	75.06673	10.34867	0.0792305	0.18671387	3.0316914	20	9 26.5	19.8
272690 2005 XT_{67}	16.8	X	359.92306	308.24463	279.27198	3.71136	0.1055097	0.23142978	2.6273820	20	4 26.5	19.7
272691 2005 XS_{68}	17.2	X	103.41877	276.54946	13.48189	1.40899	0.1791087	0.26684137	2.3894646	20	12 27.1	20.9
272692 2005 XE_{75}	17.0	X	68.98626	192.62574	338.45205	4.02732	0.0207717	0.23139755	2.6276260	20	5 19.5	20.5
272693 2005 XA_{82}	17.5	X	147.88236	341.48817	99.53173	3.82225	0.1870141	0.23262553	2.6183707	20	5 17.5	21.7
272694 2005 XG_{86}	17.0	X	142.99825	148.56682	291.15806	3.57300	0.1052042	0.23059606	2.6337111	20	5 3.1	20.9
272695 2005 XU_{86}	16.5	X	234.13152	359.74979	305.63504	4.80062	0.0360377	0.22063158	2.7124242	20	2 24.5	20.3
272696 2005 XF_{95}	17.0	X	246.61610	329.85861	203.44502	6.42018	0.0557180	0.27744007	2.3282160	20	—	—
272697 2005 XX_{104}	17.3	X	223.74901	11.80593	352.01737	2.44292	0.0929097	0.22453044	2.6809326	20	4 22.7	21.2
272698 2005 XP_{109}	17.4	X	61.07715	103.90598	111.95046	0.78362	0.0811382	0.24135092	2.5548775	20	7 20.9	20.4
272699 2005 YJ_{1}	16.3	X	225.80274	303.92479	105.36033	15.22308	0.1724621	0.23968815	2.5666797	20	6 17.9	20.4
272700 2005 YY_{10}	16.9	X	128.17042	275.27497	87.22852	3.23319	0.0782054	0.21464785	2.7626022	20	1 10.2	20.8
272701 2005 YU_{11}	16.8	X	107.54141	351.82759	85.79405	9.80835	0.1135363	0.22286029	2.6943102	20	3 28.7	20.7
272702 2005 YU_{12}	16.7	X	235.87566	34.42404	338.32068	3.01344	0.2331211	0.23642349	2.5902537	20	5 4.9	20.9
272703 2005 YL_{13}	17.1	X	145.88217	321.49342	148.95536	0.77166	0.1170101	0.23227066	2.6210370	20	6 17.4	21.1
272704 2005 YQ_{13}	16.5	X	93.54923	248.97190	113.22412	3.10963	0.0898829	0.20316964	2.8656964	20	—	—
272705 2005 YQ_{25}	16.5	X	52.68603	285.72501	121.68060	3.21224	0.0563929	0.20365375	2.8611532	20	—	—
272706 2005 YR_{25}	16.5	X	186.16716	308.05054	115.00246	6.04869	0.1493854	0.23345471	2.6121671	20	5 29.5	20.7
272707 2005 YM_{26}	16.4	X	350.06670	106.90198	95.33848	9.92394	0.0710555	0.21772376	2.7365213	20	3 16.3	19.9
272708 2005 YP_{26}	16.8	X	107.88957	139.09536	269.42598	2.24393	0.0978085	0.21903120	2.7256206	20	2 12.8	20.4
272709 2005 YZ_{27}	17.1	X	83.79476	77.00930	7.33414	1.55058	0.1567897	0.21747525	2.7386056	20	3 8.0	20.5
272710 2005 YC_{29}	17.1	X	24.74672	74.11772	83.58885	3.20746	0.1984641	0.21690882	2.7433712	20	3 10.1	19.6
272711 2005 YM_{31}	16.5	X	225.86428	94.96512	285.31121	4.33157	0.0132112	0.23125303	2.6287206	20	5 23.9	20.0
272712 2005 YV_{31}	16.2	X	252.97476	16.08772	302.79659	8.61279	0.1504295	0.22447369	2.6813844	20	3 19.5	20.5
272713 2005 YG_{32}	16.0	X	234.02630	101.57624	104.21283	6.19800	0.0494233	0.19654066	2.9297761	20	—	—
272714 2005 YM_{35}	16.1	X	27.07940	145.96234	109.58105	10.71808	0.0415410	0.23814713	2.5777402	20	7 20.5	19.1
272715 2005 YJ_{36}	16.6	X	171.62967	353.17935	87.10537	3.66860	0.1415951	0.23244670	2.6197135	20	6 5.5	20.7
272716 2005 YS_{41}	17.1	X	216.72415	43.68939	347.39070	1.52836	0.0953924	0.23283800	2.6167776	20	5 20.2	21.1
272717 2005 YQ_{42}	17.2	X	35.00480	286.70662	249.50693	2.09207	0.0422664	0.22354584	2.6887989	20	4 11.3	20.4
272718 2005 YG_{46}	16.7	X	30.69601	317.59864	170.26773	2.00925	0.1696351	0.21372031	2.7705895	20	2 5.9	19.4
272719 2005 YD_{51}	16.5	X	23.98991	266.23324	295.19660	3.43216	0.0277467	0.22559785	2.6724694	20	4 27.9	20.0
272720 2005 YS_{52}	16.4	X	123.72477	190.49534	255.21671	3.42271	0.1397309	0.22491124	2.6779057	20	4 23.6	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
272721 2005 YQ_{58}	16.7	X	341.28673	165.38127	79.02181	3.61433	0.0475353	0.22547121	2.6734700	20	4 26.3	20.0
272722 2005 YC_{60}	17.0	X	67.08346	112.81328	23.28998	1.95587	0.1416120	0.22158489	2.7046389	20	4 18.5	20.3
272723 2005 YJ_{63}	17.4	X	193.16311	102.54241	310.29806	1.25993	0.1799463	0.23516673	2.5994739	20	5 21.1	21.5
272724 2005 YB_{68}	15.4	X	308.66144	34.05689	301.46343	11.50873	0.1032764	0.17150837	3.2083310	20	7 3.1	19.5
272725 2005 YD_{68}	16.8	X	222.64634	62.57388	326.27289	3.07379	0.1584290	0.23585747	2.5943962	20	5 18.6	20.9
272726 2005 YN_{72}	16.9	X	110.78029	294.03749	82.51059	6.54327	0.0105925	0.21091465	2.7951056	20	—	—
272727 2005 YD_{74}	17.0	X	189.84397	118.14899	289.15361	4.00790	0.2830923	0.23559376	2.5963318	20	5 9.7	21.8
272728 2005 YW_{76}	16.6	X	213.32400	330.67153	78.10250	5.05274	0.0502951	0.23586401	2.5943482	20	6 12.6	20.1
272729 2005 YW_{79}	16.9	X	139.31838	346.84511	89.60861	3.95371	0.1480028	0.22732587	2.6589090	20	5 1.3	20.9
272730 2005 YP_{81}	17.0	X	9.07741	217.18230	135.81815	2.96611	0.2244428	0.25781737	2.4449010	20	12 8.5	19.5
272731 2005 YJ_{84}	16.1	X	204.93226	247.26162	125.67909	15.59242	0.1170292	0.22695086	2.6618372	20	4 20.9	20.5
272732 2005 YU_{84}	15.0	X	135.36421	308.77126	282.51318	10.58851	0.0770607	0.18559391	3.0438756	20	10 26.7	19.9
272733 2005 YT_{89}	15.8	X	83.72723	33.53916	107.67510	22.95522	0.0854278	0.22657877	2.6647506	20	5 19.6	19.8
272734 2005 YW_{94}	15.9	X	221.53697	260.95314	123.73589	18.45390	0.2415614	0.23979702	2.5659027	20	5 14.9	20.6
272735 2005 YS_{96}	16.8	X	97.28597	72.64836	92.87403	4.11715	0.2027398	0.23599281	2.5934042	20	7 16.4	20.6
272736 2005 YX_{98}	16.4	X	30.79831	173.12942	307.40903	6.62749	0.2541074	0.21295316	2.7772394	20	1 29.4	18.6
272737 2005 YV_{99}	16.4	X	214.09174	317.03875	73.89999	5.75132	0.0654814	0.23341649	2.6124523	20	5 20.0	20.2
272738 2005 YK_{105}	16.4	X	220.49050	167.30751	103.39986	5.27739	0.0616900	0.20952967	2.8074091	20	—	—
272739 2005 YV_{107}	16.5	X	34.48100	25.97817	112.45195	8.74642	0.1876392	0.21605644	2.7505819	20	3 4.1	19.2
272740 2005 YZ_{109}	16.7	X	57.96676	330.73766	230.36906	2.39956	0.0983123	0.23095425	2.6309872	20	6 27.5	20.0
272741 2005 YZ_{113}	16.5	X	36.90129	137.81188	57.93661	4.51682	0.1044540	0.22571846	2.6715173	20	5 17.9	19.6
272742 2005 YB_{114}	16.2	X	36.58322	209.65222	317.07694	8.46767	0.1237383	0.22039986	2.7143250	20	4 3.5	19.4
272743 2005 YY_{114}	17.0	X	172.72943	312.76853	82.53629	4.34115	0.1127502	0.22531532	2.6747030	20	4 11.9	21.1
272744 2005 YB_{117}	17.3	X	96.00698	356.13169	81.11895	3.27686	0.0802030	0.21728874	2.7401725	20	3 5.3	20.9
272745 2005 YX_{123}	16.4	X	174.41539	6.29728	46.30371	3.27487	0.2030327	0.23099914	2.6306464	20	5 5.1	20.8
272746 Paoladiomede	17.1	X	45.64361	246.38479	211.84199	7.03052	0.1910378	0.21424111	2.7660976	20	1 24.6	19.9
272747 2005 YK_{131}	15.3	X	352.10837	82.86259	120.59482	30.97726	0.1306537	0.21639445	2.7477168	20	3 20.4	19.0
272748 2005 YV_{131}	16.5	X	347.23797	172.70649	118.38679	3.65136	0.1330694	0.23410622	2.6073185	20	7 7.9	19.1
272749 2005 YW_{131}	16.6	X	167.50167	293.70982	122.76631	2.59119	0.1406147	0.22772056	2.6558358	20	5 3.2	20.7
272750 2005 YJ_{135}	16.6	X	264.31003	249.13173	80.78100	9.24902	0.1220001	0.23217187	2.6217804	20	4 25.9	20.4
272751 2005 YG_{140}	17.2	X	49.86360	175.97249	328.39180	2.63585	0.1480271	0.21986882	2.7186937	20	4 1.8	20.1
272752 2005 YP_{141}	16.0	X	181.15405	155.70031	302.49648	3.69001	0.1001618	0.16871916	3.2435936	20	7 6.2	21.0
272753 2005 YD_{142}	17.1	X	110.33818	54.71203	18.86399	2.14400	0.2351929	0.22236084	2.6983432	20	4 6.2	21.1
272754 2005 YE_{143}	16.6	X	256.22397	82.01029	85.30199	4.07395	0.1359331	0.19200292	2.9757572	20	12 19.0	20.4
272755 2005 YP_{143}	16.6	X	35.72097	25.21549	108.89092	9.05592	0.2498128	0.21374481	2.7703778	20	3 6.9	19.0
272756 2005 YT_{145}	15.1	X	227.10047	20.80090	77.06081	10.86186	0.1004566	0.17911892	3.1167962	20	8 28.3	19.9
272757 2005 YQ_{150}	16.1	X	261.51061	228.48863	84.29336	7.60296	0.1289861	0.22534768	2.6744470	20	3 31.7	20.1
272758 2005 YZ_{150}	16.6	X	189.74695	325.66427	74.01683	4.26337	0.1638702	0.23045663	2.6347733	20	5 3.1	20.8
272759 2005 YM_{151}	16.7	X	242.03175	289.50593	79.33762	4.59093	0.2517502	0.23623111	2.5916597	20	5 6.3	20.9
272760 2005 YG_{152}	15.9	X	10.33178	127.85843	108.70592	14.72235	0.0561208	0.22879521	2.6475130	20	6 1.0	19.3
272761 2005 YW_{152}	16.3	X	93.82627	1.67337	83.53349	11.05663	0.2006581	0.21970366	2.7200561	20	4 3.9	20.2
272762 2005 YX_{161}	16.5	X	162.54334	249.94060	160.69185	3.25439	0.1890762	0.22832905	2.6511152	20	4 23.2	20.8
272763 2005 YD_{162}	16.5	X	98.11033	211.66771	232.43216	4.92158	0.2695511	0.22163214	2.7042544	20	4 9.5	20.5
272764 2005 YZ_{166}	16.3	X	268.36199	150.07166	221.89515	3.14766	0.2645629	0.24318980	2.5419821	20	6 2.6	19.8
272765 2005 YJ_{172}	15.9	X	128.08784	50.00764	61.81015	17.65411	0.1407220	0.22824729	2.6517483	20	5 31.9	19.8
272766 2005 YO_{172}	16.2	X	169.93292	67.62328	16.69481	11.24302	0.1429372	0.23453657	2.6041281	20	6 7.0	20.5
272767 2005 YO_{174}	16.2	X	80.82154	173.81637	42.60273	8.23586	0.1302311	0.23821140	2.5772766	20	8 29.1	19.9
272768 2005 YZ_{174}	16.1	X	261.44378	230.19280	142.39062	4.86753	0.2006385	0.24307120	2.5428088	20	6 4.7	19.7
272769 2005 YL_{176}	16.8	X	246.58007	265.04530	102.25940	4.83877	0.1478146	0.23565831	2.5958576	20	5 18.8	20.7
272770 2005 YW_{179}	16.0	X	333.26620	324.10223	301.33492	12.09969	0.1197138	0.22761187	2.6566812	20	4 29.0	19.4
272771 2005 YX_{185}	15.7	X	198.59421	252.53531	321.69197	8.70044	0.0292463	0.19110416	2.9850799	20	12 21.0	20.0
272772 2005 YG_{186}	15.9	X	103.97232	204.51763	254.14323	11.73591	0.1271339	0.22131711	2.7068201	20	4 13.2	19.8
272773 2005 YO_{189}	15.9	X	306.55477	161.09753	115.55626	9.78067	0.0877370	0.22667896	2.6639653	20	4 17.6	19.5
272774 2005 YJ_{191}	16.6	X	293.99669	150.06205	74.17224	2.49053	0.0658407	0.21065821	2.7973735	20	1 25.3	20.4
272775 2005 YC_{192}	16.3	X	265.04089	329.20612	324.20772	5.58739	0.0809299	0.21901360	2.7257665	20	3 11.8	20.3
272776 2005 YC_{196}	15.6	X	15.80257	126.11349	50.84761	13.64242	0.2433322	0.21257739	2.7805114	20	3 25.8	18.1
272777 2005 YC_{202}	16.8	X	79.78865	332.00510	133.58656	5.15089	0.0649954	0.21915729	2.7245750	20	3 17.8	20.3
272778 2005 YF_{203}	17.3	X	359.00538	38.79640	160.61217	1.86960	0.0496051	0.22128672	2.7070679	20	3 21.9	20.8
272779 2005 YG_{207}	16.7	X	21.29615	66.41959	181.63007	1.04248	0.1861677	0.23091875	2.6312569	20	7 16.1	19.2
272780 2005 YE_{208}	16.6	X	173.67314	211.21760	199.37499	12.27384	0.2715707	0.23095290	2.6309975	20	5 4.5	21.3
272781 2005 YT_{208}	15.5	X	243.13149	39.65936	316.12613	13.98414	0.1338294	0.23879656	2.5730645	20	4 23.3	19.7
272782 2005 YJ_{209}	16.1	X	65.82145	173.04125	314.57853	14.46228	0.2259172	0.22119573	2.7078102	20	4 9.9	19.7
272783 2005 YO_{216}	16.7	X	159.67367	39.93174	52.30547	4.95586	0.1457687	0.23355443	2.6114235	20	6 8.8	20.9
272784 2005 YU_{230}	15.6	X	12.76160	47.70084	313.23065	9.72753	0.0759435	0.18466344	3.0540919	20	11 9.5	19.8
272785 2005 YJ_{237}	16.3	X	206.26066	247.24429	98.06805	5.85858	0.0841110	0.21909983	2.7250513	20	3 16.3	20.4
272786 2005 YU_{239}	17.3	X	86.81654	34.02500	134.17181	3.68239	0.1196881	0.23036364	2.6354823	20	6 25.8	20.9
272787 2005 YO_{251}	16.8	X	177.35507	243.08258	147.68411	5.50999	0.0378142	0.22308191	2.6925254	20	4 8.8	20.6
272788 2005 YB_{267}	17.2	X	2.18247	186.58633	112.97625	3.24894	0.0412110	0.24047837	2.5610538	20	8 14.9	20.3
272789 2005 YC_{267}	16.8	X	299.38320	191.43450	111.80581	3.72737	0.1211824	0.22952028	2.6419343	20	5 4.5	20.1
272790 2005 YW_{267}	16.2	X	73.59575	150.78601	59.60515	3.80389	0.1263242	0.23475090	2.6025427	20	8 7.9	19.7
272791 2005 YZ_{267}	17.0	X	1.59400	271.87727	330.14896	6.55337	0.1983619	0.22496364	2.6774899	20	5 20.1	19.6
272792 2005 YY_{268}	16.1	X	350.18590	241.13396	313.74292	6.19875	0.1077421	0.21251710	2.7810372	20	2 26.3	19.4
272793 2005 YG_{272}	16.6	X	33.03668	20.65196	103.45751	9.02212	0.1772688	0.21262258	2.7801174	20	2 8.1	19.4
272794 2005 YR_{286}	16.6	X	59.33198	25.48252	86.73803	5.40560	0.0190164	0.21458957	2.7631024	20	2 23.2	20.3
272795 2005 YQ_{288}	16.4	X	253.93366	48.96942	300.34571	3.66160	0.2720768	0.24099370	2.5574015	20	4 17.7	20.7
272796 2005 YF_{291}	16.7	X	36.17801	37.94701	18.64772	2.07435	0.0622790	0.20320262	2.8653863	20	—	—
272797 2006 AT_{1}	16.6	X	83.56712	246.90338	238.79998	3.81729	0.0663003	0.22366045	2.6878803	20	4 15.6	20.1
272798 2006 AR_{4}	16.6	X	27.47858	12.38442	126.41468	2.95179	0.1990715	0.21221858	2.7836446	20	2 16.9	19.1
272799 2006 AC_{11}	16.2	X	332.66909	186.56767	124.50245	13.77059	0.2039519	0.23748972	2.5824951	20	7 3.5	18.5
272800 2006 AL_{13}	16.6	X	342.61381	272.50618	54.86998	0.23028	0.2394928	0.25176440	2.4839328	20	8 29.8	17.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
272801 2006 AH_{14}	15.9	X	249.27714	26.40412	295.31245	4.64419	0.0987377	0.22208397	2.7005853	20	3 26.3	19.9
272802 2006 AV_{14}	16.1	X	76.71135	333.62298	123.30926	9.63691	0.1130721	0.21595713	2.7514250	20	3 10.9	19.6
272803 2006 AQ_{16}	16.0	X	61.04936	21.84905	92.60130	15.32800	0.1275828	0.22076402	2.7113392	20	3 17.1	19.6
272804 2006 AP_{30}	16.0	X	30.35170	173.27361	323.29803	8.39889	0.1187648	0.21348835	2.7725960	20	2 15.9	19.1
272805 2006 AK_{31}	16.0	X	11.29479	73.07347	103.29191	10.52884	0.0179027	0.21827646	2.7318999	20	3 14.9	19.8
272806 2006 AF_{32}	16.6	X	72.11575	8.98305	54.18679	10.18239	0.2637303	0.21269205	2.7795119	20	2 13.4	19.9
272807 2006 AQ_{33}	16.3	X	291.03112	355.52509	341.32759	6.01496	0.2911373	0.24194602	2.5506864	20	5 7.2	19.8
272808 2006 AS_{33}	16.3	X	51.35101	118.79762	88.26848	6.12901	0.1326205	0.22991029	2.6389456	20	7 1.4	19.3
272809 2006 AG_{34}	17.1	X	139.84120	27.83869	51.45888	2.13118	0.0661142	0.22572381	2.6714751	20	4 27.1	20.9
272810 2006 AM_{34}	16.3	X	71.11672	25.42443	60.90030	14.62541	0.1818079	0.21376966	2.7701631	20	3 4.3	19.9
272811 2006 AQ_{39}	16.4	X	109.67232	13.76778	113.08422	14.74176	0.0872018	0.22826882	2.6515815	20	5 29.1	20.3
272812 2006 AD_{47}	16.7	X	49.83572	144.19992	50.69903	4.09213	0.1722542	0.22693078	2.6619942	20	6 17.5	19.8
272813 2006 AE_{47}	16.1	X	43.15752	74.26431	338.86366	5.38679	0.0534759	0.20339278	2.8636001	20	—	—
272814 2006 AE_{48}	16.0	X	294.97965	343.47743	278.64808	5.06059	0.0595322	0.21880795	2.7274742	20	3 10.8	19.9
272815 2006 AQ_{48}	16.3	X	26.70852	171.47382	129.95771	14.87556	0.2400434	0.24456627	2.5324352	20	10 31.1	19.7
272816 2006 AG_{53}	16.2	X	327.51888	139.47441	126.42073	13.06045	0.0873567	0.22615421	2.6680846	20	5 5.3	19.7
272817 2006 AT_{58}	16.7	X	62.94439	10.52912	355.89434	1.42361	0.1010832	0.19906344	2.9049704	20	—	—
272818 2006 AK_{63}	16.7	X	13.24009	322.51670	304.89760	10.99927	0.1649868	0.23528597	2.5985956	20	7 27.4	19.2
272819 2006 AC_{68}	16.4	X	232.89735	213.64919	135.74124	6.95737	0.0642846	0.22478668	2.6788948	20	4 20.7	20.3
272820 2006 AJ_{71}	16.5	X	229.86624	172.89954	139.84558	6.57674	0.0483731	0.21615026	2.7497859	20	3 1.7	20.5
272821 2006 AK_{71}	15.7	X	334.88582	296.39032	298.75612	8.29751	0.0711674	0.21974323	2.7197295	20	3 27.1	19.3
272822 2006 AW_{72}	16.6	X	317.23440	200.18556	75.14391	5.07086	0.0564616	0.22821784	2.6519764	20	5 2.1	19.8
272823 2006 AJ_{73}	15.6	X	295.89970	66.60436	292.62519	8.28570	0.0923414	0.17016893	3.2251447	20	7 15.9	19.9
272824 2006 AG_{85}	16.0	X	72.64527	126.44421	352.78951	14.28077	0.1330913	0.21860881	2.7291303	20	3 30.5	19.5
272825 2006 AG_{91}	17.3	X	114.87242	83.48814	311.82158	3.61880	0.0893101	0.21479729	2.7613207	20	2 5.0	21.0
272826 2006 AD_{93}	16.8	X	338.69080	252.56319	349.41437	2.40250	0.0822549	0.22311795	2.6922355	20	4 13.9	19.9
272827 2006 AS_{96}	16.2	X	16.80713	292.44026	209.00508	9.08156	0.1247323	0.21097316	2.7945888	20	1 27.8	19.6
272828 2006 AK_{100}	17.1	X	111.36840	76.35836	333.76507	3.65669	0.0664076	0.21208931	2.7847755	20	2 16.6	20.9
272829 2006 AL_{100}	16.8	X	22.91877	181.74989	345.23679	4.63316	0.1212364	0.21646822	2.7470925	20	3 15.1	19.7
272830 2006 AN_{100}	16.1	X	270.03914	141.38473	163.69484	9.19338	0.0417087	0.21869140	2.7284432	20	4 11.1	19.9
272831 2006 AE_{101}	17.1	X	215.57820	47.79585	315.22925	4.32825	0.0750615	0.22509758	2.6764276	20	4 12.4	21.0
272832 2006 BW	17.3	X	249.96302	21.32431	57.15716	22.46950	0.0925649	0.38213154	1.8807344	20	10 12.5	19.3
272833 2006 BV_{1}	16.1	X	152.10085	85.16595	310.04716	5.48580	0.0026908	0.21676217	2.7446084	20	3 8.2	19.9
272834 2006 BA_{2}	16.2	X	256.86446	27.60257	318.11061	4.68399	0.0814573	0.22807168	2.6531093	20	5 7.7	20.0
272835 2006 BS_{2}	15.9	X	44.27055	344.23430	121.73589	10.75537	0.2514113	0.21109613	2.7935034	20	2 12.4	18.3
272836 2006 BH_{7}	17.0	X	357.64020	166.83493	125.49868	3.98500	0.2042273	0.23689966	2.5867816	20	8 5.1	19.1
272837 2006 BH_{10}	16.6	X	278.90499	244.95818	332.46802	1.38382	0.0239141	0.20677068	2.8323271	20	1 4.6	20.4
272838 2006 BY_{13}	16.1	X	141.78709	4.45123	62.93811	15.53510	0.0515239	0.22300276	2.6931625	20	4 18.5	20.1
272839 2006 BD_{17}	15.2	X	150.16771	49.14819	111.10507	7.56825	0.1123406	0.17079349	3.2172774	20	8 22.0	20.2
272840 2006 BC_{18}	16.7	X	79.04353	13.25979	126.34050	8.96833	0.1919727	0.22318208	2.6917197	20	5 21.5	20.4
272841 2006 BG_{18}	16.7	X	66.23620	359.52560	132.04514	5.61890	0.0578145	0.22001155	2.7175178	20	4 1.8	20.2
272842 2006 BE_{20}	16.1	X	7.39749	215.35424	311.28936	7.91450	0.2186152	0.21182897	2.7870568	20	2 10.3	18.8
272843 2006 BY_{21}	15.4	X	15.38750	25.98151	311.73140	15.80546	0.2006518	0.18173129	3.0868551	20	10 25.7	19.5
272844 2006 BN_{29}	16.6	X	20.38236	205.01281	97.29803	4.40159	0.1934401	0.24166529	2.5526613	20	10 9.6	19.4
272845 2006 BR_{29}	16.7	X	83.04141	121.68369	359.73758	2.36804	0.1326090	0.22065553	2.7122279	20	4 19.9	20.3
272846 2006 BK_{31}	16.5	X	152.73393	70.92768	357.77484	2.81170	0.0995979	0.22427410	2.6829750	20	4 29.7	20.6
272847 2006 BP_{31}	16.3	X	92.95739	1.30888	109.87892	5.66272	0.0758850	0.21923043	2.7239690	20	4 14.7	20.0
272848 2006 BF_{32}	15.8	X	164.88531	237.68238	138.19712	8.26857	0.1388696	0.21507122	2.7589755	20	3 13.2	20.1
272849 2006 BW_{33}	16.1	X	301.31158	239.98191	335.29688	8.44138	0.0727541	0.20514632	2.8472585	20	1 24.3	20.0
272850 2006 BB_{34}	16.3	X	300.58216	206.22270	334.07805	9.57248	0.2030403	0.19815775	2.9138152	20	—	—
272851 2006 BF_{34}	15.9	X	96.84529	301.48253	150.74883	12.40955	0.0778598	0.21477171	2.7615400	20	3 26.8	19.7
272852 2006 BN_{38}	16.2	X	322.47913	98.75325	152.87297	5.46000	0.0748918	0.21625791	2.7488725	20	4 6.4	19.6
272853 2006 BH_{39}	16.8	X	140.24330	42.48632	47.94703	1.80735	0.0529249	0.22793484	2.6541711	20	5 10.5	20.6
272854 2006 BK_{40}	16.2	X	219.41642	353.43599	222.87106	3.44930	0.1288253	0.19003484	2.9962674	20	—	—
272855 2006 BM_{43}	16.2	X	7.12220	77.58441	73.35432	4.30398	0.0353509	0.20929206	2.8095335	20	2 2.7	19.8
272856 2006 BR_{43}	15.8	X	302.77388	131.91664	318.94532	12.25292	0.1348689	0.18761542	3.0219715	20	11 17.1	19.6
272857 2006 BC_{46}	15.7	X	325.83314	235.28086	325.62318	8.09684	0.0430165	0.20872184	2.8146482	20	2 9.0	19.5
272858 2006 BL_{47}	15.9	X	159.08210	329.45659	94.31368	11.92648	0.0666377	0.23099590	2.6306709	20	5 3.7	19.9
272859 2006 BO_{50}	16.3	X	341.20609	94.12973	328.42193	8.72215	0.0556507	0.19111980	2.9849170	20	12 15.7	20.4
272860 2006 BN_{56}	15.9	X	135.33224	302.68705	110.76307	13.31542	0.0953878	0.21937439	2.7227772	20	3 29.4	20.1
272861 2006 BW_{57}	15.7	X	4.44295	302.43281	274.47124	10.52102	0.0881471	0.22074767	2.7114731	20	4 17.2	19.1
272862 2006 BQ_{60}	15.8	X	54.63718	46.22756	332.93399	9.54268	0.1140694	0.19135804	2.9824390	20	—	—
272863 2006 BX_{68}	16.5	X	67.15488	42.94169	78.02054	4.42790	0.1499015	0.21732788	2.7398435	20	4 2.1	19.8
272864 2006 BZ_{68}	15.8	X	341.01218	287.68379	94.28332	6.73972	0.1561018	0.18426541	3.0584884	20	10 29.9	19.2
272865 2006 BG_{69}	16.6	X	319.92507	307.05856	20.64895	5.29692	0.1069515	0.23574462	2.5952240	20	7 14.4	19.5
272866 2006 BU_{70}	16.2	X	159.29214	296.45325	65.48053	5.60736	0.1333092	0.21304197	2.7764675	20	2 20.4	20.6
272867 2006 BD_{71}	16.1	X	147.40348	153.63559	106.77227	10.50813	0.1038305	0.18675867	3.0312065	20	12 16.5	21.0
272868 2006 BF_{80}	15.8	X	316.02924	190.30734	22.66490	6.84688	0.0282996	0.20826901	2.8187266	20	2 15.9	19.6
272869 2006 BO_{80}	15.9	X	239.92797	264.28843	3.16442	8.10472	0.1299430	0.20145924	2.8818935	20	1 15.4	20.5
272870 2006 BS_{80}	15.8	X	194.92239	343.94721	355.75119	13.26345	0.1351356	0.20966703	2.8061828	20	2 27.8	20.3
272871 2006 BE_{81}	16.5	X	211.45357	325.18021	39.54515	4.29775	0.0184511	0.21822804	2.7323040	20	4 15.8	20.2
272872 2006 BY_{81}	16.3	X	161.46337	302.39840	93.79401	3.34789	0.1734494	0.21838767	2.7309724	20	4 4.9	20.7
272873 2006 BQ_{82}	16.8	X	72.41048	159.26882	266.27396	3.64691	0.0889747	0.21385164	2.7694551	20	1 17.3	20.2
272874 2006 BC_{83}	15.7	X	263.06455	70.41708	144.30840	7.72208	0.2079406	0.19921653	2.9034819	20	—	—
272875 2006 BJ_{85}	16.8	X	281.90431	268.70210	10.95068	2.57421	0.0616448	0.21831413	2.7315856	20	3 19.4	20.6
272876 2006 BB_{92}	16.1	X	45.68943	20.05172	110.31772	6.26988	0.0313702	0.21583732	2.7524432	20	2 28.9	19.7
272877 2006 BL_{94}	15.9	X	52.38567	17.61952	324.12593	11.82054	0.0357847	0.18410556	3.0602585	20	12 3.3	20.4
272878 2006 BP_{94}	16.5	X	178.86173	142.03707	187.76888	1.70986	0.0698749	0.20577933	2.8414164	20	1 26.6	20.7
272879 2006 BB_{95}	16.5	X	294.04108	15.06310	297.94465	2.19358	0.0805552	0.22341613	2.6898395	20	5 14.6	19.9
272880 2006 BH_{95}	16.4	X	238.29638	182.64733	302.64671	2.22423	0.0678959	0.17852400	3.1237168	20	10 12.2	20.8

Planet		H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
		m		°	°	°	°		°				
272881	2006 BY_{96}	16.2	X	276.89382	153.30605	132.58994	4.47318	0.0468963	0.21596138	2.7513889	20	3 24.9	19.9
272882	2006 BB_{97}	16.4	X	314.09403	269.61758	155.96012	11.90043	0.2928649	0.18710629	3.0274510	20	10 28.8	19.2
272883	2006 BC_{98}	16.3	X	355.99347	235.11073	60.46539	1.25613	0.1601884	0.23378498	2.6097064	20	8 3.5	18.7
272884	2006 BQ_{99}	16.5	X	62.68407	293.82214	185.94530	8.63783	0.1348646	0.21779998	2.7358828	20	3 19.3	19.8
272885	2006 BW_{102}	16.8	X	69.48012	323.90708	152.01956	4.81214	0.0228245	0.21516112	2.7582070	20	3 11.1	20.5
272886	2006 BC_{110}	16.0	X	185.68341	112.52650	120.11477	7.97825	0.2396363	0.18570765	3.0426326	20	12 12.3	21.2
272887	2006 BH_{110}	16.2	X	61.42704	92.73933	59.80941	2.84559	0.0163402	0.22097882	2.7095819	20	4 15.9	19.7
272888	2006 BE_{117}	16.6	X	140.01727	234.37333	162.71829	4.00677	0.1249744	0.21447389	2.7640959	20	3 11.5	20.8
272889	2006 BK_{118}	16.5	X	266.40013	137.12490	159.24853	9.78920	0.1495655	0.21442571	2.7645098	20	3 11.8	20.7
272890	2006 BW_{118}	17.1	X	105.01325	153.11139	345.24733	2.59762	0.1022897	0.22805674	2.6532251	20	6 5.7	20.8
272891	2006 BW_{122}	16.1	X	200.73334	182.40972	153.94341	4.78361	0.0790967	0.21141541	2.7906901	20	2 26.5	20.3
272892	2006 BJ_{123}	16.5	X	36.64742	14.91668	135.77183	0.89934	0.0147186	0.21334832	2.7738091	20	3 11.3	20.3
272893	2006 BR_{124}	16.6	X	79.01372	102.94208	336.34397	3.19553	0.0788214	0.20921478	2.8102253	20	2 13.6	20.1
272894	2006 BB_{125}	16.8	X	2.21814	154.78527	345.25059	4.08997	0.0682649	0.20470701	2.8513306	20	1 11.3	20.5
272895	2006 BF_{125}	16.1	X	237.25784	20.99261	339.42678	9.32605	0.1421045	0.22417211	2.6837888	20	4 25.6	20.4
272896	2006 BC_{133}	16.2	X	109.30462	266.11797	173.06008	5.11792	0.0458807	0.21370392	2.7707312	20	3 18.6	20.0
272897	2006 BG_{133}	16.5	X	287.84019	106.67439	164.26191	9.22800	0.1915171	0.21021239	2.8013272	20	2 26.8	20.6
272898	2006 BY_{141}	16.2	X	241.68915	20.52307	247.09557	1.07030	0.0430606	0.20583765	2.8408797	20	1 20.2	20.4
272899	2006 BS_{142}	16.2	X	84.31598	304.81213	145.10455	5.06018	0.0371099	0.21111156	2.7933672	20	2 28.5	19.9
272900	2006 BH_{149}	16.5	X	345.79426	17.94118	151.62052	10.12565	0.1519619	0.20953824	2.8073326	20	1 12.9	19.9
272901	2006 BY_{149}	16.3	X	112.18332	53.98208	47.84264	11.94785	0.1541741	0.22350455	2.6891301	20	5 4.6	20.1
272902	2006 BR_{152}	17.0	X	134.70233	62.22780	354.54080	5.99624	0.1242637	0.21873583	2.7280737	20	3 28.7	21.1
272903	2006 BD_{155}	17.2	X	143.14419	26.62880	62.26696	2.71093	0.0218850	0.22249960	2.6972212	20	5 9.5	20.9
272904	2006 BM_{155}	16.1	X	92.17159	315.53831	136.78665	13.26281	0.1465571	0.21572023	2.7534390	20	4 1.8	20.0
272905	2006 BM_{158}	16.8	X	226.64794	51.31823	158.20014	3.78944	0.0801430	0.18992106	2.9974639	20	—	—
272906	2006 BY_{159}	16.5	X	319.40536	86.61967	212.09171	2.68121	0.1294180	0.22538345	2.6741640	20	5 27.6	19.5
272907	2006 BK_{160}	15.2	X	223.99270	15.68881	104.14507	11.24467	0.0950261	0.17871704	3.1214669	20	9 22.1	20.0
272908	2006 BO_{160}	16.4	X	70.57516	334.34126	97.36230	5.47244	0.1866251	0.21158664	2.7891844	20	2 6.8	19.6
272909	2006 BG_{161}	16.0	X	131.99944	217.01708	170.54260	7.89891	0.1288859	0.21135842	2.7911918	20	2 19.8	20.2
272910	2006 BY_{161}	16.3	X	27.93136	41.82098	93.68754	5.22223	0.1518222	0.21186037	2.7867813	20	2 13.3	19.2
272911	2006 BS_{163}	16.1	X	346.61439	80.21304	135.09209	9.69775	0.0883223	0.21673287	2.7448558	20	3 25.4	19.5
272912	2006 BE_{165}	16.3	X	148.64744	219.03064	158.17001	2.23994	0.1050498	0.21035686	2.8000445	20	2 23.4	20.4
272913	2006 BA_{166}	16.6	X	261.53419	104.28047	73.95165	0.62289	0.0825614	0.19246866	2.9709547	20	—	—
272914	2006 BD_{166}	16.8	X	28.36506	177.32203	334.11307	1.92614	0.1224693	0.21251384	2.7810656	20	3 4.2	19.7
272915	2006 BQ_{172}	16.9	X	357.48143	116.85147	173.51560	2.17044	0.0763406	0.23548606	2.5971234	20	7 24.9	19.8
272916	2006 BL_{179}	16.2	X	3.80090	8.90179	124.96800	4.19353	0.0365022	0.20613565	2.8381410	20	1 6.9	19.9
272917	2006 BR_{180}	16.0	X	157.27844	140.86259	134.36187	11.04236	0.0820778	0.19147803	2.9811929	20	—	—
272918	2006 BX_{185}	16.6	X	258.36018	127.16432	167.94305	3.58498	0.0618954	0.21492465	2.7602297	20	3 10.4	20.6
272919	2006 BF_{190}	16.4	X	267.70833	193.30211	129.08078	6.31962	0.1152494	0.22025730	2.7154960	20	4 20.9	20.4
272920	2006 BW_{191}	16.0	X	275.88938	289.08093	8.35558	4.63157	0.1280517	0.21956635	2.7211900	20	3 25.3	19.7
272921	2006 BR_{193}	16.0	X	219.83420	195.06837	153.13857	8.84108	0.0932452	0.21981950	2.7191004	20	4 2.3	20.1
272922	2006 BB_{196}	16.3	X	315.34191	31.70875	177.51799	4.47584	0.0440673	0.20908611	2.8113781	20	2 4.2	20.1
272923	2006 BT_{198}	16.3	X	350.36241	222.03074	340.83471	7.94957	0.1996569	0.21151537	2.7898108	20	2 29.3	19.2
272924	2006 BX_{199}	16.7	X	112.43786	104.35367	285.37936	1.95814	0.0212372	0.20412343	2.8567625	20	1 18.1	20.6
272925	2006 BS_{200}	17.4	X	129.08363	54.55001	338.22975	3.70906	0.0795282	0.21372796	2.7705234	20	2 18.0	21.3
272926	2006 BT_{207}	16.1	X	76.05747	307.48842	168.94783	9.25158	0.1836988	0.21768219	2.7368697	20	4 14.6	19.5
272927	2006 BG_{211}	16.6	X	217.09538	72.10466	88.15386	2.35007	0.1353562	0.18000455	3.1065646	20	10 25.0	21.3
272928	2006 BK_{212}	16.6	X	23.43587	314.56093	133.77901	2.84467	0.0551055	0.19883700	2.9071755	20	—	—
272929	2006 BN_{212}	16.9	X	110.23003	95.62997	14.44031	12.45706	0.1608624	0.22649722	2.6653902	20	5 9.8	21.0
272930	2006 BC_{220}	16.0	X	85.17091	335.81911	126.29296	6.71934	0.0369645	0.21807251	2.7336029	20	3 17.5	19.6
272931	2006 BV_{222}	16.6	X	237.48361	152.31150	171.67131	2.12279	0.0823178	0.21764537	2.7371783	20	3 20.7	20.7
272932	2006 BJ_{223}	15.9	X	140.98223	104.75426	317.93423	5.40782	0.0144277	0.21837726	2.7310591	20	3 29.9	19.8
272933	2006 BD_{225}	16.4	X	200.88363	212.78152	158.21422	7.01676	0.0523518	0.22086692	2.7104970	20	4 11.3	20.3
272934	2006 BZ_{236}	16.3	X	159.48515	343.65430	55.42282	2.77451	0.0804880	0.22033672	2.7148435	20	3 31.4	20.4
272935	2006 BU_{240}	15.9	X	275.03049	139.25026	129.49176	9.89567	0.1217091	0.21226224	2.7832628	20	2 20.1	20.0
272936	2006 BS_{245}	16.8	X	109.85014	346.97498	79.99290	1.81139	0.0587598	0.21454671	2.7634704	20	3 6.3	20.5
272937	2006 BR_{247}	16.8	X	354.02831	97.41939	120.44203	2.88918	0.0243961	0.21853798	2.7297200	20	4 10.9	20.4
272938	2006 BV_{256}	16.5	X	196.14181	15.68913	357.09661	4.75122	0.0717881	0.21896192	2.7261955	20	4 5.1	20.5
272939	2006 BZ_{265}	16.7	X	216.03845	274.70406	163.51892	22.21475	0.1133166	0.37084058	1.9187183	20	7 26.9	19.3
272940	2006 BQ_{270}	16.0	X	341.55177	306.53919	274.69395	7.66448	0.2194439	0.21206676	2.7849730	20	3 1.7	19.3
272941	2006 BS_{271}	16.8	X	226.88233	81.36830	308.77756	3.77201	0.2350988	0.23542336	2.5975845	20	5 18.9	21.2
272942	2006 BU_{276}	16.2	X	154.35104	46.73319	0.92097	5.97657	0.0693220	0.21813265	2.7331005	20	4 2.9	20.1
272943	2006 BW_{276}	16.6	X	14.11155	8.25124	25.59936	2.34898	0.0742948	0.19081165	2.9881298	20	12 26.9	20.7
272944	2006 BJ_{277}	16.2	X	110.52993	274.73442	356.54046	5.63961	0.0385281	0.17999039	3.1067276	20	11 15.7	20.8
272945	2006 BT_{278}	16.7	X	34.83503	331.79666	125.52357	3.06601	0.0266058	0.20313143	2.8660558	20	1 3.3	20.4
272946	2006 BL_{279}	16.2	X	261.35955	142.48806	150.64635	4.86296	0.0420233	0.21195763	2.7859288	20	3 15.1	20.0
272947	2006 BS_{279}	16.2	X	89.97295	359.49156	318.69852	8.62233	0.0788333	0.18781992	3.0197775	20	12 26.2	20.8
272948	2006 BS_{280}	15.6	X	56.58989	209.90092	166.87153	9.43600	0.1490154	0.19483201	2.9468804	20	—	—
272949	2006 BZ_{280}	16.6	X	213.51355	333.24913	353.81924	3.95284	0.0745054	0.21483010	2.7610396	20	2 28.8	20.8
272950	2006 BU_{283}	16.4	X	186.22623	14.36002	348.69880	8.34176	0.0736714	0.21498914	2.7596777	20	3 13.9	20.4
272951	2006 CY_{1}	16.8	X	273.96970	232.24414	35.37312	2.90808	0.1393063	0.21160421	2.7890300	20	2 15.6	20.9
272952	2006 CZ_{5}	16.6	X	359.74421	45.27918	218.65994	1.58661	0.1647711	0.22633435	2.6666688	20	6 21.7	18.9
272953	2006 CC_{7}	16.2	X	79.50825	167.59983	289.56929	3.59359	0.0211169	0.21385270	2.7694459	20	2 26.9	20.0
272954	2006 CK_{7}	15.6	X	318.38107	306.11515	308.58334	12.20155	0.1156647	0.21821310	2.7324287	20	3 20.9	19.4
272955	2006 CC_{11}	16.1	X	46.69052	141.97121	120.02965	6.14539	0.2122814	0.23997202	2.5646551	20	9 26.8	19.4
272956	2006 CK_{15}	16.0	X	64.51789	102.77999	92.57245	5.18563	0.0474664	0.22836837	2.6508109	20	6 21.1	19.2
272957	2006 CF_{18}	16.0	X	58.39273	357.89315	126.08050	10.48310	0.1005898	0.21429427	2.7656402	20	3 18.6	19.5
272958	2006 CL_{22}	15.9	X	338.15614	270.49865	160.66372	9.99320	0.0907147	0.18899961	3.0071986	20	12 23.6	19.8
272959	2006 CP_{29}	16.9	X	153.24166	232.13431	194.63565	1.35295	0.0918267	0.22343397	2.6896963	20	4 28.4	20.9
272960	2006 CU_{29}	16.5	X	325.19667	140.50505	151.86468	13.95776	0.1504742	0.22673868	2.6634976	20	5 29.1	19.8

Planet		H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
		m		°	°	°	°		°				
272961	2006 CZ_{30}	16.9	X	27.17834	358.65846	164.41226	8.38500	0.1497672	0.21439754	2.7647520	20	3 20.4	19.8
272962	2006 CE_{38}	16.2	X	327.46386	71.85584	161.54425	13.41484	0.1180193	0.21327370	2.7744561	20	3 14.3	19.5
272963	2006 CR_{48}	16.8	X	181.44246	220.06557	148.19951	7.06398	0.0501374	0.21614888	2.7497976	20	3 16.4	20.7
272964	2006 CO_{56}	16.0	X	247.58953	8.96286	315.37588	8.08756	0.1530824	0.21885009	2.7271241	20	3 21.8	20.4
272965	2006 CW_{57}	17.1	X	141.98294	76.05676	345.44202	2.01158	0.0638565	0.22426865	2.6830185	20	4 5.6	20.9
272966	2006 CP_{59}	16.3	X	250.30225	259.48676	339.05201	5.98387	0.0461512	0.19991046	2.8967590	20	—	—
272967	2006 CT_{60}	15.9	X	9.96556	115.39306	51.75863	13.20142	0.1221026	0.21260784	2.7802458	20	3 1.3	19.3
272968	2006 CJ_{65}	16.6	X	17.19707	353.80987	126.46465	3.07393	0.0168447	0.20286606	2.8685546	20	1 9.1	20.5
272969	2006 DT_{1}	16.3	X	117.35182	13.43009	83.88041	3.13428	0.0408430	0.21977904	2.7194341	20	4 21.2	19.9
272970	2006 DC_{3}	16.0	X	355.58926	50.04894	137.16395	4.34049	0.0275724	0.21380554	2.7698532	20	3 3.8	19.5
272971	2006 DF_{3}	16.8	X	99.95451	70.21604	317.78496	1.07848	0.0785390	0.20297247	2.8675519	20	1 8.8	20.7
272972	2006 DY_{3}	15.7	X	271.76405	359.06895	163.01652	13.63960	0.1604390	0.19016896	2.9948584	20	12 30.3	19.6
272973	2006 DB_{7}	16.5	X	280.68483	161.49362	162.55281	6.53511	0.0708432	0.22225428	2.6992056	20	5 15.2	20.1
272974	2006 DU_{8}	16.1	X	66.35285	53.22618	77.36012	9.15232	0.1745461	0.21641598	2.7475346	20	4 19.7	19.5
272975	2006 DW_{10}	15.7	X	223.32378	70.09462	107.06540	7.22779	0.1266988	0.18387248	3.0628441	20	11 22.9	20.3
272976	2006 DE_{12}	16.4	X	263.45377	158.43578	143.65051	5.54944	0.1065145	0.21760200	2.7375421	20	3 21.1	20.4
272977	2006 DM_{20}	16.5	X	71.90450	65.84471	350.72244	5.43309	0.1253693	0.20564838	2.8426225	20	1 12.8	19.9
272978	2006 DC_{21}	16.3	X	233.13213	338.14211	312.30248	4.97081	0.0238763	0.21146485	2.7902551	20	2 7.7	20.2
272979	2006 DF_{22}	16.4	X	297.34164	254.99204	12.36437	5.12640	0.0779044	0.21364241	2.7712629	20	3 21.8	20.2
272980	2006 DL_{22}	16.4	X	206.98529	136.59326	148.26649	6.06675	0.1108301	0.19861019	2.9093884	20	1 3.9	21.0
272981	2006 DE_{25}	16.2	X	112.36628	274.08887	156.78190	4.82930	0.0550105	0.21300994	2.7767459	20	3 13.7	19.9
272982	2006 DG_{25}	16.7	X	325.13730	74.41233	351.04392	2.72339	0.0693264	0.18408585	3.0604769	20	11 24.5	20.7
272983	2006 DZ_{25}	16.7	X	320.09868	170.36130	69.15305	0.89389	0.0129169	0.21445508	2.7642574	20	3 24.8	20.3
272984	2006 DG_{26}	15.2	X	19.97688	19.47837	326.08821	9.78192	0.0370014	0.17978286	3.1091179	20	10 24.6	19.7
272985	2006 DB_{27}	16.0	X	195.46411	341.43417	354.66974	8.30191	0.0484557	0.20725412	2.8279210	20	2 22.5	20.1
272986	2006 DK_{28}	16.4	X	106.14249	312.68672	152.63522	4.82150	0.0473307	0.21607481	2.7504259	20	4 19.0	20.2
272987	2006 DC_{29}	16.1	X	238.96569	195.71392	146.03620	5.33870	0.0823121	0.21589577	2.7519464	20	4 15.7	20.1
272988	2006 DF_{35}	16.3	X	134.05912	116.25848	176.32193	10.21984	0.0481896	0.18433221	3.0577494	20	—	—
272989	2006 DL_{35}	16.4	X	253.04163	88.10841	178.20492	2.06015	0.0435876	0.20334195	2.8640772	20	1 31.5	20.6
272990	2006 DM_{39}	16.5	X	293.98640	285.18053	358.67508	5.66932	0.1938544	0.21169116	2.7882662	20	3 20.9	20.4
272991	2006 DJ_{41}	16.5	X	12.81736	22.03480	168.91764	8.18998	0.1968616	0.21436149	2.7650620	20	4 1.8	18.9
272992	2006 DP_{44}	16.1	X	236.46346	192.59921	339.61817	7.80449	0.1384088	0.18593108	3.0401947	20	11 27.1	20.5
272993	2006 DU_{44}	16.8	X	200.83585	320.58883	20.68317	5.26968	0.0902108	0.21105868	2.7938338	20	3 5.2	21.0
272994	2006 DG_{46}	16.2	X	222.29471	266.81090	27.27345	2.25487	0.0315881	0.20371548	2.8605752	20	2 1.2	20.2
272995	2006 DT_{48}	16.8	X	30.74797	340.26479	131.23048	2.34846	0.1466777	0.20545992	2.8443605	20	1 16.2	19.8
272996	2006 DE_{49}	16.2	X	62.04579	127.51518	2.62733	9.20740	0.1048602	0.21424104	2.7660982	20	3 28.4	19.6
272997	2006 DS_{53}	16.6	X	264.09379	98.76390	203.95691	1.39766	0.0558682	0.21690262	2.7434235	20	3 27.2	20.4
272998	2006 DV_{53}	17.0	X	155.65998	233.38936	158.60440	6.64505	0.0663488	0.21515148	2.7582894	20	3 17.4	21.0
272999	2006 DP_{60}	16.4	X	148.41455	131.92096	188.24631	8.06760	0.0137923	0.19253005	2.9703232	20	—	—
273000	2006 DA_{64}	16.2	X	0.37369	80.62283	40.22998	2.50994	0.0157070	0.20038286	2.8922045	20	—	—
273001	2006 DJ_{68}	15.6	X	35.76943	130.09608	29.82093	13.08608	0.0907101	0.21263259	2.7800301	20	3 30.2	19.0
273002	2006 DL_{69}	15.8	X	163.43793	283.29726	41.16097	2.30587	0.0445348	0.19827249	2.9126910	20	1 3.3	19.9
273003	2006 DU_{71}	16.0	X	9.53181	273.77177	164.72952	9.62674	0.0774340	0.19191021	2.9767155	20	—	—
273004	2006 DL_{73}	15.4	X	188.75205	183.11467	12.18102	17.93065	0.1874928	0.17528485	3.1620819	20	10 29.4	20.7
273005	2006 DU_{74}	16.2	X	199.38592	353.54313	351.39879	6.38937	0.0648841	0.21363027	2.7713680	20	3 6.6	20.2
273006	2006 DF_{78}	16.4	X	217.70914	277.72380	8.27534	3.58300	0.0449909	0.20289384	2.8682927	20	1 17.1	20.6
273007	2006 DV_{78}	16.5	X	54.48094	168.60424	313.55402	2.23749	0.0127935	0.20964197	2.8064064	20	2 26.8	20.3
273008	2006 DO_{79}	16.1	X	166.59098	197.27686	179.98423	5.94339	0.0725952	0.21164471	2.7886742	20	3 10.6	20.3
273009	2006 DT_{81}	15.7	X	64.92842	162.59603	169.27126	9.42039	0.0337146	0.18152540	3.0891887	20	12 8.1	20.2
273010	2006 DD_{82}	16.3	X	85.70363	285.17148	163.41063	5.13894	0.1349433	0.21133388	2.7914079	20	3 13.6	19.7
273011	2006 DL_{82}	16.1	X	43.34134	301.24715	160.09771	2.39811	0.0247844	0.20290959	2.8681443	20	1 19.2	20.0
273012	2006 DQ_{82}	16.7	X	347.85082	249.71178	276.11448	0.99036	0.0323815	0.20423877	2.8556869	20	1 26.3	20.4
273013	2006 DT_{83}	16.6	X	123.71767	183.37589	200.49097	1.51242	0.0866676	0.20439444	2.8542367	20	2 2.2	20.5
273014	2006 DB_{86}	16.0	X	207.17545	272.66783	34.97957	2.44057	0.0451160	0.20335012	2.8640005	20	1 31.5	20.3
273015	2006 DD_{86}	16.0	X	202.72494	124.04488	161.68864	10.40307	0.0493792	0.19781409	2.9171890	20	—	—
273016	2006 DA_{87}	16.0	X	1.65418	96.82509	15.14027	5.31719	0.0769589	0.19738923	2.9213735	20	—	—
273017	2006 DF_{87}	16.2	X	238.63202	122.79634	102.99079	2.76855	0.1135057	0.19207880	2.9749735	20	—	—
273018	2006 DF_{90}	16.1	X	268.72401	352.92968	170.27313	8.13362	0.0316943	0.18747150	3.0235179	20	—	—
273019	2006 DE_{91}	16.6	X	353.72973	14.09773	189.67053	1.72884	0.1676572	0.21149688	2.7899735	20	3 11.2	19.6
273020	2006 DF_{94}	16.5	X	343.17782	84.19825	6.98434	2.87299	0.0770329	0.18826626	3.0150028	20	—	—
273021	2006 DN_{97}	15.7	X	151.35108	85.55809	186.41904	17.29203	0.0875599	0.18229197	3.0805223	20	12 31.2	20.8
273022	2006 DJ_{98}	17.4	X	305.63786	297.48027	330.24400	2.32374	0.1692650	0.28405355	2.2919365	20	3 10.9	20.2
273023	2006 DO_{98}	16.0	X	56.36901	349.19440	333.77093	9.44071	0.1124875	0.18047952	3.1011119	20	11 24.4	20.6
273024	2006 DL_{101}	15.6	X	59.26641	63.10981	17.85423	6.37665	0.0444622	0.20329395	2.8645280	20	1 18.1	19.4
273025	2006 DL_{107}	16.9	X	297.04673	90.84022	173.15669	5.25955	0.1425953	0.20937293	2.8088100	20	3 7.1	20.7
273026	2006 DW_{111}	16.3	X	1.24818	45.72612	179.85441	5.03913	0.0956932	0.21821116	2.7324449	20	4 29.9	19.5
273027	2006 DG_{112}	16.1	X	46.74345	176.29497	179.18470	9.20540	0.1056289	0.18457244	3.0550956	20	12 24.1	20.6
273028	2006 DP_{112}	16.3	X	91.83126	217.56305	180.29246	6.65536	0.0719007	0.20166007	2.8799797	20	1 8.8	20.3
273029	2006 DJ_{113}	15.9	X	185.26473	197.13904	110.13211	3.13247	0.0438714	0.19844978	2.9109559	20	1 6.8	20.1
273030	2006 DC_{114}	16.1	X	25.41605	352.58998	155.74675	8.78614	0.1604102	0.21029683	2.8005773	20	2 25.1	18.9
273031	2006 DD_{117}	16.3	X	265.79921	185.76953	108.16805	1.77279	0.0433485	0.20969116	2.8059675	20	3 21.5	20.3
273032	2006 DK_{118}	15.7	X	218.06709	34.75926	172.01644	10.25121	0.1013453	0.18394614	3.0620264	20	12 23.7	20.4
273033	2006 DC_{120}	16.0	X	143.05891	22.95264	66.22272	5.30623	0.0619314	0.22311715	2.6922419	20	5 13.7	19.7
273034	2006 DF_{122}	15.4	X	352.15197	165.86324	29.24759	14.41090	0.0387318	0.21056976	2.7981568	20	3 14.3	19.2
273035	2006 DZ_{124}	16.8	X	82.42209	232.41220	177.40592	4.00038	0.0983956	0.20949970	2.8076768	20	1 13.4	20.3
273036	2006 DV_{125}	16.8	X	94.78350	258.20625	182.41308	3.30721	0.0747305	0.21273686	2.7791216	20	3 5.5	20.4
273037	2006 DG_{128}	16.4	X	226.90396	234.23709	135.72385	6.97906	0.0826308	0.22583646	2.6705867	20	5 8.4	20.4
273038	2006 DK_{128}	16.5	X	331.94807	184.16050	48.56091	4.01452	0.0335048	0.21518342	2.7580164	20	3 30.5	20.1
273039	2006 DE_{132}	16.2	X	108.95100	235.43264	146.25173	13.68389	0.1293061	0.20282813	2.8689122	20	1 18.8	20.3
273040	2006 DN_{132}	16.1	X	276.89842	167.23730	87.44239	3.98901	0.0264994	0.20825184	2.8188815	20	2 17.9	20.0

ELEMENTS AND OPPOSITION DATES IN 2020

ECLIPTIC AND EQUINOX 2000.0, EPOCH 2020 MAY 31.0 TT

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
273041 2006 DU_{133}	16.5	X	251.31976	308.40862	34.44905	3.72790	0.0940415	0.22161499	2.7043939	20	4 27.6	20.4
273042 2006 DG_{137}	16.6	X	274.42205	292.52641	11.47282	7.68513	0.1498304	0.21528047	2.7571875	20	3 29.4	20.6
273043 2006 DL_{137}	16.7	X	63.53518	354.60678	76.98248	3.08021	0.0349319	0.20226736	2.8742123	20	1 10.1	20.6
273044 2006 DN_{138}	16.4	X	39.76969	57.81312	120.95092	4.33717	0.1253538	0.21687764	2.7436341	20	5 3.3	19.5
273045 2006 DX_{138}	16.2	X	182.04285	247.67353	113.09538	4.63378	0.1063053	0.21098202	2.7945106	20	3 10.3	20.6
273046 2006 DE_{139}	16.1	X	307.29916	294.11152	153.58006	17.13440	0.0768638	0.18360350	3.0658348	20	11 30.5	20.4
273047 2006 DP_{141}	16.1	X	110.04747	51.73186	24.06459	4.62273	0.0456732	0.21202724	2.7853190	20	3 16.5	19.8
273048 2006 DW_{142}	16.8	X	292.28817	229.36308	33.51356	4.31762	0.0638297	0.21145113	2.7903758	20	3 12.8	20.5
273049 2006 DC_{145}	16.4	X	342.59894	133.42226	26.96947	2.28856	0.0097693	0.20299577	2.8673325	20	1 15.9	20.3
273050 2006 DR_{157}	16.1	X	159.27523	266.36695	132.61922	4.90584	0.0626718	0.21426390	2.7659015	20	3 31.1	20.2
273051 2006 DV_{158}	15.8	X	194.18050	185.51573	125.04385	2.90635	0.0497577	0.20171199	2.8794856	20	1 20.1	20.1
273052 2006 DK_{161}	16.7	X	80.48194	245.46108	172.97235	2.03148	0.0594114	0.20335383	2.8639657	20	1 17.9	20.5
273053 2006 DG_{164}	16.6	X	279.02216	80.67694	197.56315	2.89082	0.0538845	0.21294841	2.7772807	20	3 14.7	20.3
273054 2006 DF_{165}	15.8	X	139.44023	100.44356	157.41589	11.36975	0.1617009	0.17794458	3.1304939	20	12 6.2	21.2
273055 2006 DJ_{173}	15.7	X	217.00529	114.44615	154.91748	9.73863	0.0939178	0.19612862	2.9338781	20	—	—
273056 2006 DS_{173}	16.6	X	317.95542	47.36736	158.55433	9.65568	0.0688963	0.20519692	2.8467904	20	1 31.5	20.6
273057 2006 DU_{173}	15.6	X	345.22592	226.98072	159.57852	11.13464	0.0734957	0.17772301	3.1330954	20	11 7.3	19.8
273058 2006 DP_{177}	16.2	X	161.38226	258.73093	153.28135	6.12396	0.0427201	0.21719733	2.7409413	20	4 17.8	20.1
273059 2006 DF_{178}	16.1	X	267.92802	7.21071	150.68599	7.98805	0.1201275	0.18833983	3.0142176	20	12 24.7	20.1
273060 2006 DM_{178}	16.5	X	168.17248	182.43907	156.38566	12.32087	0.1227116	0.20275859	2.8695682	20	1 29.4	21.1
273061 2006 DT_{185}	15.8	X	150.69932	155.72089	163.09116	13.14361	0.1227224	0.19157542	2.9801825	20	—	—
273062 2006 DQ_{186}	16.2	X	271.33797	204.87141	87.27645	3.15986	0.0538021	0.21104381	2.7939651	20	3 25.3	20.0
273063 2006 DC_{190}	16.2	X	205.88339	122.88198	166.01199	9.15914	0.0857828	0.19649145	2.9302653	20	1 7.2	20.8
273064 2006 DM_{190}	15.9	X	241.27563	152.69821	105.03210	3.15411	0.0698589	0.19755596	2.9197296	20	1 7.6	20.2
273065 2006 DD_{191}	16.8	X	308.70657	113.23807	76.15213	3.18400	0.0935961	0.19859007	2.9095849	20	—	—
273066 2006 DY_{192}	16.2	X	118.25070	133.68982	136.81012	1.97910	0.1508137	0.17419977	3.1751994	20	11 30.4	21.3
273067 2006 DR_{195}	16.0	X	307.85330	258.20452	353.49904	9.21617	0.0776470	0.21411050	2.7672224	20	3 14.8	19.5
273068 2006 DD_{197}	15.6	X	6.35209	304.99842	203.31348	14.73084	0.0874516	0.20536050	2.8452785	20	1 21.9	19.5
273069 2006 DE_{197}	15.2	X	244.38443	231.77541	306.49523	11.23842	0.0611298	0.18636355	3.0354895	20	12 27.3	19.4
273070 2006 DO_{212}	16.6	X	208.55401	200.04979	157.22321	3.96857	0.0384220	0.21274711	2.7790324	20	4 2.7	20.4
273071 2006 DV_{212}	16.6	X	114.66816	252.58054	31.95589	3.51015	0.0795707	0.18452209	3.0556514	20	12 10.7	21.2
273072 2006 DW_{214}	16.0	X	81.18709	105.59608	300.90457	0.22586	0.1458427	0.20019509	2.8940127	20	1 16.5	19.5
273073 2006 DF_{215}	15.9	X	57.59750	303.97160	183.73059	13.57818	0.0825764	0.21154163	2.7895800	20	3 15.8	19.3
273074 2006 DG_{215}	16.7	X	243.06190	230.76760	78.93902	1.53811	0.0570357	0.20948356	2.8078210	20	3 12.7	20.6
273075 2006 EX_{1}	16.6	X	189.29064	324.58719	84.31749	2.87447	0.0693448	0.22274910	2.6952067	20	5 14.9	20.5
273076 2006 EQ_{3}	16.1	X	113.75962	247.15652	352.90963	8.98720	0.0156834	0.17514248	3.1637953	20	10 9.3	20.6
273077 2006 ED_{4}	16.9	X	194.54058	15.34429	9.90367	5.06365	0.1265076	0.22088970	2.7103106	20	4 18.4	21.2
273078 2006 EG_{7}	16.1	X	104.24180	118.36927	169.80024	8.81540	0.0657704	0.17931047	3.1145762	20	12 3.8	20.9
273079 2006 EL_{9}	16.6	X	69.47844	269.38467	127.91019	2.82701	0.0688611	0.19583611	2.9367989	20	—	—
273080 2006 EC_{10}	16.6	X	281.57120	80.16308	99.41671	2.11666	0.0780817	0.19334225	2.9619987	20	—	—
273081 2006 EP_{14}	16.8	X	163.28854	265.73053	128.06990	0.99305	0.0814310	0.21303379	2.7765386	20	3 28.8	20.9
273082 2006 EZ_{14}	16.8	X	194.34538	331.10337	358.92870	1.57399	0.0709821	0.20442770	2.8539272	20	2 13.2	20.9
273083 2006 EG_{19}	16.2	X	292.58968	276.73576	182.97993	9.62101	0.0802323	0.18036426	3.1024329	20	11 21.4	20.3
273084 2006 EF_{20}	16.8	X	82.53459	248.49792	200.28853	2.99006	0.0638204	0.21346683	2.7727823	20	2 26.5	20.4
273085 2006 EU_{21}	16.8	X	288.40452	231.11762	63.22705	1.19702	0.0591541	0.21861349	2.7290914	20	4 16.3	20.4
273086 2006 EE_{22}	16.8	X	277.28272	326.58190	0.06513	3.78624	0.0805845	0.22314951	2.6919816	20	5 9.5	20.5
273087 2006 EC_{23}	16.5	X	191.77861	135.43054	45.69155	1.60398	0.1215066	0.17845085	3.1245703	20	10 24.9	21.4
273088 2006 EO_{24}	16.2	X	228.01228	184.31823	159.58786	6.28678	0.0559838	0.21779275	2.7359433	20	4 7.8	20.1
273089 2006 EZ_{28}	16.2	X	294.29046	114.89838	170.23497	8.23229	0.0960514	0.21577648	2.7529605	20	4 7.9	19.9
273090 2006 EX_{46}	16.6	X	257.40758	194.91107	98.30853	2.83686	0.0460882	0.21260750	2.7802488	20	3 10.3	20.6
273091 2006 EX_{47}	17.0	X	52.60930	86.38460	13.53007	10.08271	0.2792152	0.21061985	2.7977132	20	2 29.4	19.7
273092 2006 ES_{58}	15.8	X	294.60966	310.68416	329.39747	7.13636	0.2010330	0.21075199	2.7965436	20	3 14.2	19.7
273093 2006 ET_{58}	15.9	X	235.23564	23.85214	225.05615	5.00259	0.0168510	0.19724938	2.9227541	20	—	—
273094 2006 ES_{63}	15.7	X	339.42545	108.72563	350.41175	22.97235	0.2334505	0.19289814	2.9665433	20	—	—
273095 2006 EG_{66}	16.2	X	125.36095	57.56064	230.15412	4.87276	0.0661047	0.18090464	3.0962516	20	12 24.1	20.9
273096 2006 ET_{71}	16.7	X	289.80059	170.24098	349.14260	3.08375	0.0607589	0.19023822	2.9941315	20	—	—
273097 2006 FE_{1}	15.8	X	179.69830	79.54027	177.16017	12.93704	0.0801581	0.18636112	3.0355159	20	—	—
273098 2006 FF_{5}	16.7	X	359.68802	28.52512	173.30643	7.90441	0.1787244	0.21198683	2.7856730	20	3 20.0	19.5
273099 2006 FH_{13}	15.9	X	87.09997	195.78515	172.19719	4.11345	0.0894675	0.18818563	3.0158639	20	—	—
273100 2006 FK_{13}	16.0	X	279.58802	331.96628	186.94536	9.87833	0.1872807	0.18790382	3.0188785	20	—	—
273101 2006 FO_{15}	16.4	X	228.75483	317.59939	351.31375	7.59560	0.0177497	0.20896433	2.8124703	20	2 27.4	20.3
273102 2006 FC_{16}	16.0	X	153.56378	293.65499	5.11829	11.23873	0.0882415	0.18830413	3.0145985	20	—	—
273103 2006 FK_{20}	16.3	X	207.41852	161.19767	62.30687	1.98495	0.0895150	0.18101778	3.0949613	20	—	—
273104 2006 FP_{20}	16.1	X	224.36567	80.51053	131.62951	1.95200	0.1420167	0.18361018	3.0657604	20	12 31.7	20.5
273105 2006 FL_{23}	16.0	X	216.45480	124.12646	22.88334	22.99521	0.1807892	0.17379826	3.1800877	20	10 6.3	21.1
273106 2006 FM_{26}	15.8	X	112.38709	148.45213	192.56223	9.46107	0.0680460	0.18700295	3.0285663	20	—	—
273107 2006 FO_{26}	15.7	X	276.32021	350.77082	190.95334	11.93388	0.0322940	0.18917063	3.0053859	20	—	—
273108 2006 FP_{28}	15.7	X	210.56728	35.98534	199.85623	13.91744	0.0633584	0.18423630	3.0588106	20	—	—
273109 2006 FX_{28}	15.9	X	69.06526	347.85350	33.25205	9.76325	0.0811598	0.18516844	3.0485365	20	—	—
273110 2006 FY_{29}	16.4	X	161.01198	138.03053	149.11900	1.78702	0.1769826	0.18091266	3.0961601	20	—	—
273111 2006 FC_{30}	16.1	X	134.57153	240.07104	73.19636	1.69684	0.1570771	0.18071336	3.0984361	20	—	—
273112 2006 FC_{32}	15.7	X	210.16288	39.15039	202.78075	4.27264	0.0818293	0.18518662	3.0483370	20	—	—
273113 2006 FS_{32}	16.2	X	198.98480	224.29541	47.58495	5.64535	0.1432913	0.18678745	3.0308952	20	—	—
273114 2006 FD_{35}	15.3	X	162.13473	187.55783	32.36791	7.85640	0.1398327	0.17575507	3.1564395	20	11 9.6	20.3
273115 2006 FH_{39}	15.8	X	259.78264	103.30584	197.88657	3.66247	0.0830319	0.21351748	2.7723439	20	3 16.6	19.8
273116 2006 FC_{40}	16.1	X	200.52782	29.02642	175.42323	11.36454	0.0282191	0.18052895	3.1005457	20	12 9.9	20.7
273117 2006 FP_{41}	16.3	X	311.36735	271.39333	182.18631	4.83541	0.0892847	0.17963268	3.1108506	20	12 8.9	20.2
273118 2006 FD_{43}	16.4	X	185.55357	226.04632	151.85680	4.50324	0.0456187	0.21528977	2.7571081	20	4 2.1	20.3
273119 2006 FO_{53}	16.0	X	135.66763	54.64291	204.55760	5.14149	0.1160110	0.17376919	3.1804423	20	12 1.9	21.0
273120 2006 FX_{53}	16.5	X	354.59222	280.48078	181.27349	2.75342	0.0695284	0.18836228	3.0139781	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
273121 2006 FD_{54}	16.0	X	227.21537	226.04475	5.33550	9.76921	0.0293682	0.19091829	2.9870170	20	—	—
273122 2006 FL_{54}	15.8	X	223.19745	188.19010	30.95773	12.10385	0.0382981	0.18619342	3.0373383	20	—	—
273123 2006 GL_{2}	16.3	X	247.97350	115.72951	104.62371	3.54112	0.1676862	0.19067679	2.9895385	20	—	—
273124 2006 GH_{8}	15.6	X	0.01728	294.50624	146.40099	6.49985	0.1833891	0.19103579	2.9857921	20	—	—
273125 2006 GR_{11}	15.6	X	353.79782	82.07326	37.91072	10.89579	0.0485098	0.19328373	2.9625966	20	—	—
273126 2006 GS_{16}	15.8	X	293.02482	86.91173	32.01357	14.87491	0.0376708	0.18077578	3.0977228	20	12 15.9	20.3
273127 2006 GL_{17}	15.7	X	152.92691	275.98442	34.49470	9.65291	0.1220153	0.18731793	3.0251702	20	—	—
273128 2006 GX_{18}	16.5	X	49.83454	22.20574	92.15087	2.64948	0.0783780	0.20273436	2.8697967	20	2 18.4	20.1
273129 2006 GH_{21}	16.4	X	280.77387	314.20290	266.44218	0.93570	0.0067514	0.19999959	2.8958984	20	1 14.0	20.3
273130 2006 GY_{25}	16.2	X	309.19234	306.56402	199.13817	10.78683	0.0415923	0.18737154	3.0245931	20	—	—
273131 2006 GS_{30}	16.2	X	163.09184	108.42221	164.89788	4.60893	0.0981387	0.18129304	3.0918278	20	—	—
273132 2006 GL_{32}	15.8	X	256.49253	354.30720	171.13538	12.38561	0.1272981	0.18461606	3.0546144	20	12 17.0	20.1
273133 2006 GV_{42}	17.8	X	235.13576	99.14802	42.96803	19.31469	0.1020717	0.38479854	1.8720342	20	12 11.9	19.5
273134 2006 GR_{46}	15.8	X	186.46207	68.37885	204.91434	12.18308	0.1819559	0.18304616	3.0720549	20	—	—
273135 2006 GF_{47}	15.6	X	196.83588	238.45325	28.18737	8.59131	0.1290834	0.18699894	3.0286095	20	—	—
273136 2006 GW_{48}	15.5	X	299.92670	300.45010	214.55082	15.72267	0.1288342	0.18844017	3.0131475	20	—	—
273137 2006 GF_{49}	15.4	X	64.63088	325.99602	119.19342	14.40490	0.1313136	0.20278657	2.8693042	20	2 9.1	18.9
273138 2006 HR	16.5	X	23.71838	24.91152	119.85329	3.09185	0.0088517	0.20325526	2.8648915	20	2 17.5	20.4
273139 2006 HZ_{7}	16.1	X	123.24487	221.65254	79.30457	6.30283	0.1053299	0.17825664	3.1268394	20	—	—
273140 2006 HB_{13}	15.6	X	177.41395	266.64719	66.88270	9.43549	0.0504536	0.19667414	2.9284504	20	2 1.7	20.0
273141 2006 HO_{13}	15.7	X	2.58945	352.82398	206.27512	11.51062	0.1475949	0.21082534	2.7958949	20	3 21.2	18.9
273142 2006 HZ_{13}	15.9	X	197.44053	68.28864	210.21389	13.86720	0.1320616	0.18840287	3.0135452	20	—	—
273143 2006 HM_{19}	16.1	X	305.89431	323.96226	179.44561	8.06736	0.1209065	0.18757199	3.0224380	20	—	—
273144 2006 HH_{20}	16.1	X	4.48552	238.71945	208.92723	2.88016	0.1655323	0.19175260	2.9783464	20	—	—
273145 2006 HW_{21}	16.2	X	169.31755	142.36321	146.12568	5.26580	0.1091654	0.18427903	3.0583377	20	—	—
273146 2006 HV_{23}	16.3	X	219.50686	208.23479	75.48816	3.06665	0.1503169	0.19144733	2.9815116	20	1 14.9	21.1
273147 2006 HO_{28}	15.8	X	150.75674	75.19636	179.01593	18.16653	0.1214483	0.17091902	3.2157020	20	12 10.1	21.2
273148 2006 HL_{29}	16.0	X	214.84683	190.70433	83.96645	3.12163	0.2212200	0.18749386	3.0232776	20	—	—
273149 2006 HN_{29}	15.5	X	252.05725	13.35604	196.99344	6.92757	0.1130760	0.18620935	3.0371651	20	—	—
273150 2006 HW_{31}	15.7	X	55.77829	129.07152	202.48103	8.65199	0.1248793	0.17391167	3.1787050	20	12 6.9	20.4
273151 2006 HA_{35}	15.9	X	264.91591	149.77073	42.89723	2.32594	0.1369751	0.18610547	3.0382952	20	—	—
273152 2006 HN_{35}	15.3	X	201.48362	161.24537	79.15279	11.79246	0.2231607	0.18101528	3.0949898	20	—	—
273153 2006 HY_{36}	15.7	X	295.48620	261.99311	201.06290	11.05513	0.2243098	0.18542520	3.0457217	20	11 14.8	19.1
273154 2006 HJ_{38}	16.3	X	277.59384	8.41462	183.38217	10.50892	0.0383710	0.18975736	2.9991876	20	—	—
273155 2006 HW_{40}	15.4	X	131.08642	91.33504	182.99283	15.65126	0.0499925	0.17273807	3.1930864	20	12 13.1	20.4
273156 2006 HY_{40}	15.8	X	129.67760	110.59931	148.01439	11.58952	0.0384244	0.16994656	3.2279574	20	11 24.4	20.7
273157 2006 HO_{43}	16.0	X	204.35840	21.56369	230.20068	9.46033	0.0264423	0.18406416	3.0607173	20	—	—
273158 2006 HV_{45}	16.4	X	230.56659	167.24816	162.42683	3.81653	0.0499796	0.20903945	2.8117965	20	3 23.7	20.3
273159 2006 HJ_{54}	15.3	X	187.52153	29.75208	221.63740	8.76992	0.1356830	0.18203066	3.0834697	20	—	—
273160 2006 HX_{54}	15.5	X	177.53865	87.76810	160.66158	12.23655	0.1031446	0.17793449	3.1306124	20	12 29.0	20.5
273161 2006 HL_{59}	15.7	X	271.83248	213.57911	313.25094	9.98652	0.2264619	0.18729336	3.0254348	20	12 26.9	19.5
273162 2006 HN_{60}	15.1	X	194.71194	49.79879	196.18082	27.01929	0.1259049	0.17948113	3.1126015	20	—	—
273163 2006 HX_{60}	15.5	X	211.09271	192.33734	49.98980	29.60964	0.1603845	0.18282287	3.0745557	20	—	—
273164 2006 HB_{61}	15.4	X	189.14645	103.74768	130.15878	8.27348	0.1184144	0.17717234	3.1395840	20	12 22.7	20.3
273165 2006 HO_{61}	15.8	X	123.22269	269.85840	33.42054	16.01296	0.0648605	0.18163320	3.0879663	20	—	—
273166 2006 HA_{62}	16.4	X	2.10791	7.33152	96.77295	4.84002	0.0906708	0.19087720	2.9874457	20	—	—
273167 2006 HB_{63}	15.6	X	171.48749	246.05882	53.25693	11.24255	0.1020765	0.18582452	3.0413568	20	—	—
273168 2006 HH_{64}	16.1	X	229.58158	210.34570	95.66483	3.63655	0.1350139	0.19764627	2.9188401	20	2 19.4	20.8
273169 2006 HS_{67}	16.5	X	283.10172	156.44663	347.19507	0.25537	0.1159002	0.18155151	3.0888926	20	12 27.2	20.1
273170 2006 HW_{70}	16.0	X	135.50731	258.29640	58.81828	9.79343	0.0152873	0.18607081	3.0386724	20	—	—
273171 2006 HO_{71}	15.8	X	259.87004	108.42447	121.82583	5.97970	0.1007554	0.19079345	2.9883198	20	—	—
273172 2006 HM_{74}	16.0	X	286.18439	98.65422	67.59687	10.78110	0.1693548	0.18692798	3.0293759	20	—	—
273173 2006 HQ_{74}	15.6	X	317.35175	282.64657	203.40469	10.29080	0.0786089	0.18365195	3.0652956	20	—	—
273174 2006 HQ_{75}	16.3	X	236.24268	48.32950	124.17286	11.21780	0.1826662	0.17752346	3.1354428	20	11 24.6	21.1
273175 2006 HW_{75}	15.7	X	155.64762	124.96357	156.57490	10.89195	0.0674114	0.17881519	3.1203246	20	—	—
273176 2006 HX_{79}	16.2	X	199.07557	103.19425	189.31801	1.66045	0.1774228	0.18767350	3.0213480	20	1 7.8	21.3
273177 2006 HX_{80}	15.2	X	157.54762	255.64291	36.48772	9.68169	0.2209245	0.17881194	3.1203624	20	—	—
273178 2006 HJ_{82}	15.0	X	147.45298	239.67053	49.67918	17.23403	0.2156497	0.17585581	3.1552340	20	—	—
273179 2006 HZ_{84}	15.7	X	327.53084	238.13418	212.88375	10.03124	0.1645506	0.17869966	3.1216693	20	12 29.4	19.3
273180 2006 HO_{91}	15.7	X	107.04728	133.35505	190.17909	9.51468	0.0808547	0.17713542	3.1400202	20	—	—
273181 2006 HU_{92}	15.8	X	309.66678	69.68518	91.65876	7.01481	0.0465548	0.18812583	3.0165030	20	—	—
273182 2006 HS_{93}	15.6	X	195.69698	112.34740	138.16427	11.02818	0.0615730	0.18132642	3.0914483	20	—	—
273183 2006 HS_{94}	16.9	X	318.33686	58.49652	78.24801	1.17053	0.1438680	0.19160960	2.9798281	20	—	—
273184 2006 HW_{94}	16.5	X	73.00321	31.16498	43.90218	2.75096	0.0972264	0.20107275	2.8855852	20	2 4.2	20.1
273185 2006 HO_{99}	17.1	X	263.06026	20.54037	50.88105	23.31428	0.0407711	0.37105713	1.9179717	20	10 24.2	18.9
273186 2006 HH_{101}	16.0	X	335.32748	258.19843	206.47912	9.36814	0.0424295	0.18089944	3.0963110	20	—	—
273187 2006 HK_{101}	15.6	X	281.62282	299.59639	214.23448	14.60240	0.0871777	0.18109407	3.0940921	20	—	—
273188 2006 HD_{106}	16.2	X	136.13320	309.31607	64.10087	12.91048	0.0161422	0.19626166	2.9325521	20	1 30.9	20.5
273189 2006 HE_{108}	15.8	X	280.85611	299.96655	205.75784	17.37666	0.1608320	0.18301124	3.0724457	20	12 20.3	19.9
273190 2006 HP_{110}	15.9	X	183.43082	87.70606	182.21468	9.73662	0.2153571	0.18146437	3.0898813	20	—	—
273191 2006 HM_{116}	16.3	X	192.80706	304.48443	247.38963	3.82205	0.1328601	0.17253013	3.1956516	20	11 5.1	21.4
273192 2006 HS_{119}	16.3	X	36.38003	22.16097	58.06918	10.99088	0.0293024	0.19054161	2.9909523	20	—	—
273193 2006 HE_{121}	16.1	X	106.59691	284.41696	73.48552	10.68446	0.2048898	0.18125925	3.0922121	20	1 2.1	20.5
273194 2006 HY_{130}	16.5	X	268.38255	113.30875	180.42206	4.50575	0.0230989	0.21417088	2.7667024	20	3 26.1	20.2
273195 2006 HG_{151}	16.1	X	259.41900	35.33457	202.29849	10.83988	0.0418614	0.19489102	2.9462855	20	1 4.7	20.5
273196 2006 HO_{152}	16.2	X	274.10282	19.94718	147.97909	1.53204	0.0901014	0.18281635	3.0746288	20	—	—
273197 2006 JQ	17.2	X	228.44213	101.12867	79.53534	26.28008	0.0964141	0.38663875	1.8660895	20	—	—
273198 2006 JK_{4}	16.3	X	337.48590	256.54065	204.92801	10.45789	0.1643087	0.18593323	3.0401712	20	—	—
273199 2006 JA_{6}	17.5	X	109.09537	128.12563	156.32206	22.65429	0.1121079	0.38056383	1.8858959	20	—	—
273200 2006 JE_{9}	15.6	X	64.87312	323.69399	41.85757	11.91471	0.0683928	0.17797155	3.1301778	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
273201 2006 JA_{11}	15.6	X	203.96102	218.41977	33.83980	6.87241	0.0648907	0.18318955	3.0704515	20	—	—
273202 2006 JO_{12}	15.0	X	161.31320	244.09448	90.13155	10.79405	0.3452252	0.18421591	3.0590363	20	2 4.3	20.6
273203 2006 JU_{13}	15.3	X	106.73286	267.77966	59.78298	10.09565	0.0966742	0.17868371	3.1218551	20	—	—
273204 2006 JB_{15}	16.5	X	250.52836	109.56322	174.17017	2.01982	0.0281800	0.20236548	2.8732832	20	2 20.7	20.7
273205 2006 JK_{15}	15.9	X	238.17239	142.53238	41.26419	11.45292	0.0788179	0.18129986	3.0917503	20	12 21.0	20.4
273206 2006 JL_{16}	16.3	X	300.63282	288.41000	210.01040	9.18367	0.0542630	0.18236968	3.0796471	20	—	—
273207 2006 JM_{16}	15.7	X	293.54374	54.57034	70.54783	7.43711	0.1289506	0.18026625	3.1035572	20	12 17.8	19.4
273208 2006 JB_{17}	15.8	X	175.42505	209.48813	76.61928	5.39052	0.1429377	0.18244714	3.0787754	20	—	—
273209 2006 JE_{18}	15.7	X	185.47337	33.22068	212.67203	8.64928	0.0527272	0.17869639	3.1217074	20	—	—
273210 2006 JQ_{20}	15.9	X	213.23005	170.71718	109.91950	10.30310	0.1845119	0.18778082	3.0201967	20	1 5.8	20.9
273211 2006 JG_{24}	15.7	X	73.93262	313.07801	39.68227	11.19048	0.0298300	0.17983502	3.1085167	20	—	—
273212 2006 JY_{28}	15.8	X	147.22262	204.01819	57.70946	12.23618	0.0925911	0.17499894	3.1655252	20	12 14.2	20.8
273213 2006 JL_{29}	16.2	X	10.74921	37.21937	104.35746	3.33888	0.0242917	0.19671583	2.9280367	20	1 28.4	20.1
273214 2006 JP_{31}	15.6	X	131.58885	173.98296	193.08421	10.34404	0.0519498	0.19133086	2.9827214	20	1 17.8	20.1
273215 2006 JD_{35}	16.3	X	248.65522	108.82922	109.03931	4.67542	0.0945743	0.18596350	3.0398413	20	—	—
273216 2006 JH_{36}	15.5	X	145.05641	233.98856	72.89577	7.56533	0.1717364	0.17907018	3.1173617	20	—	—
273217 2006 JJ_{37}	16.1	X	47.00604	286.64682	199.06517	14.60429	0.1011182	0.20451012	2.8531604	20	2 25.9	19.8
273218 2006 JS_{37}	15.8	X	278.73529	257.28520	200.97997	10.74568	0.0204547	0.17220198	3.1997100	20	11 5.5	20.3
273219 2006 JZ_{37}	15.0	X	122.78393	119.58332	203.64301	16.01049	0.2310200	0.17696872	3.1419918	20	—	—
273220 2006 JV_{40}	15.7	X	73.90964	286.28473	56.72650	11.89426	0.1041389	0.17569363	3.1571754	20	—	—
273221 2006 JB_{41}	15.4	X	79.21623	257.59199	132.53569	11.45463	0.0915793	0.18569231	3.0428002	20	—	—
273222 2006 JM_{47}	15.3	X	332.20218	86.82323	78.02892	13.68902	0.0841418	0.19304790	2.9650088	20	—	—
273223 2006 JZ_{51}	16.2	X	275.81934	302.32337	181.70395	14.12417	0.0379772	0.17358770	3.1826588	20	12 1.7	20.8
273224 2006 JJ_{54}	15.3	X	218.74205	131.65826	65.56769	17.79535	0.1663207	0.17864329	3.1223260	20	12 3.9	20.1
273225 2006 JE_{55}	15.8	X	177.43607	182.96895	66.20502	4.22118	0.0799155	0.17688178	3.1430212	20	12 31.2	20.5
273226 2006 JX_{55}	15.4	X	230.54469	143.29465	79.27564	15.83214	0.1019973	0.18541636	3.0458185	20	—	—
273227 2006 JB_{61}	16.2	X	278.93719	96.51206	38.61152	3.90548	0.1309569	0.17813480	3.1282650	20	12 7.3	20.1
273228 2006 JW_{66}	16.0	X	245.41231	172.31427	32.01407	10.27242	0.1489676	0.18512281	3.0490374	20	—	—
273229 2006 JY_{67}	15.9	X	237.60672	180.48694	46.43100	11.25620	0.0668280	0.18508459	3.0494572	20	—	—
273230 de Bruyn	16.0	X	56.41361	191.81130	213.21327	8.47129	0.1096094	0.18915759	3.0055240	20	—	—
273231 2006 JU_{80}	15.9	X	96.57766	145.21855	216.17564	15.36380	0.0902257	0.18365572	3.0652535	20	—	—
273232 2006 KN	15.0	X	219.76574	218.12455	27.25532	9.37816	0.0556285	0.18488596	3.0516409	20	—	—
273233 2006 KC_{1}	15.6	X	185.10310	126.01281	113.06664	11.20914	0.1839921	0.17723121	3.1388887	20	12 20.7	20.7
273234 2006 KC_{12}	14.9	X	131.94916	229.66289	89.25811	19.62099	0.0954518	0.18275446	3.0753229	20	—	—
273235 2006 KQ_{12}	15.7	X	252.28259	85.34990	105.25428	11.53811	0.1172651	0.18419455	3.0592728	20	—	—
273236 2006 KT_{14}	16.2	X	220.63495	47.80582	170.21991	1.51376	0.1221313	0.18071323	3.0984376	20	—	—
273237 2006 KN_{20}	15.3	X	173.13005	106.59805	149.85710	16.50874	0.1480865	0.17721518	3.1390779	20	12 31.8	20.6
273238 2006 KX_{22}	15.7	X	220.23001	61.53076	186.98732	16.49520	0.1650862	0.18343947	3.0676622	20	—	—
273239 2006 KG_{26}	14.7	X	205.04010	326.57128	112.06020	14.32354	0.0510933	0.15214978	3.4750028	20	7 8.7	19.9
273240 2006 KR_{26}	15.8	X	308.21840	335.49251	131.07415	14.08582	0.2751377	0.18377671	3.0639081	20	12 11.3	18.8
273241 2006 KH_{33}	15.2	X	163.31183	44.26270	231.02121	15.07010	0.0718408	0.17854151	3.1235125	20	—	—
273242 2006 KJ_{38}	16.2	X	291.45928	105.23576	91.47592	8.47284	0.1601663	0.19243207	2.9713313	20	—	—
273243 2006 KT_{40}	16.5	X	255.72231	260.66348	25.06752	12.29476	0.1289822	0.20319867	2.8654234	20	2 24.7	21.0
273244 2006 KG_{43}	16.0	X	263.50410	51.47578	76.08693	6.41941	0.1388067	0.17370620	3.1812112	20	11 6.7	20.4
273245 2006 KS_{47}	15.6	X	233.73524	325.12542	219.66666	10.48322	0.0228338	0.17658950	3.1464884	20	12 23.5	20.2
273246 2006 KZ_{49}	15.9	X	248.68527	269.14230	222.45144	12.35768	0.2349969	0.17417479	3.1755030	20	10 8.2	20.6
273247 2006 KP_{56}	15.3	X	241.50298	112.60172	75.61638	12.51110	0.0830888	0.17974816	3.1095180	20	12 29.8	19.6
273248 2006 KM_{66}	16.2	X	315.49741	275.91886	183.93352	4.88250	0.1178826	0.17799588	3.1298924	20	12 21.2	20.0
273249 2006 KF_{67}	15.4	X	145.68104	102.78353	206.37374	9.31565	0.1080868	0.17941621	3.1133523	20	—	—
273250 2006 KA_{73}	15.9	X	307.81260	358.83590	122.21801	10.34283	0.0563714	0.17830350	3.1262915	20	—	—
273251 2006 KQ_{79}	15.5	X	70.35733	297.72248	44.45517	13.84603	0.1027713	0.17523835	3.1626413	20	—	—
273252 2006 KO_{87}	16.6	X	270.20336	336.32733	228.84834	7.87309	0.0639475	0.18806234	3.0171818	20	—	—
273253 2006 KR_{94}	16.2	X	200.47536	90.43353	144.85593	3.49878	0.1161809	0.17835560	3.1256826	20	—	—
273254 2006 KU_{102}	15.7	X	68.29369	213.82714	170.45262	16.74719	0.0744128	0.18472928	3.0533661	20	—	—
273255 2006 KB_{109}	16.0	X	254.85611	174.73487	36.22684	9.01597	0.0657600	0.18769681	3.0210979	20	—	—
273256 2006 KP_{111}	15.5	X	253.16912	157.26916	48.55679	10.74567	0.0658815	0.18429675	3.0581416	20	—	—
273257 2006 KO_{115}	16.5	X	257.58895	128.54934	113.43441	3.89324	0.0832793	0.19125527	2.9835074	20	1 5.9	20.9
273258 2006 KS_{115}	15.4	X	105.46730	108.28455	222.19215	8.42844	0.1132706	0.17667486	3.1454748	20	—	—
273259 2006 KV_{116}	16.1	X	298.32497	262.29588	206.57261	7.74512	0.0318773	0.17362180	3.1822420	20	12 11.3	20.5
273260 2006 KB_{117}	15.3	X	117.26955	89.17016	221.17213	13.11881	0.1380739	0.17373126	3.1809052	20	—	—
273261 2006 KK_{118}	15.2	X	172.09211	273.48300	51.86775	11.73696	0.2579889	0.18515088	3.0487293	20	1 30.1	20.7
273262 Cottam	15.6	X	242.65177	295.62819	244.83478	8.94073	0.0233828	0.17594444	3.1541742	20	12 28.7	20.0
273263 2006 KK_{143}	15.4	X	177.67118	75.82779	218.30943	10.29858	0.0916423	0.18256208	3.0774830	20	—	—
273264 2006 LW	18.4	X	121.30837	226.85660	93.19594	3.32956	0.2468885	0.31036459	2.1605017	20	—	—
273265 2006 LU_{2}	15.2	X	201.35454	162.59872	86.51869	18.87132	0.1978468	0.17927664	3.1149680	20	—	—
273266 2006 LD_{6}	17.5	X	310.23563	50.40381	271.01046	5.52945	0.1188242	0.27776814	2.3263823	20	6 16.5	19.8
273267 2006 MS	15.5	X	347.35897	306.46410	156.25542	13.99704	0.0586223	0.18376324	3.0640578	20	—	—
273268 2006 MM_{1}	16.0	X	255.55576	7.52571	203.15556	9.29750	0.0376848	0.18593086	3.0401970	20	—	—
273269 2006 MN_{2}	16.3	X	220.64597	97.05687	155.22872	7.45367	0.0985800	0.18531362	3.0469441	20	—	—
273270 2006 MZ_{5}	15.3	X	84.07483	200.21102	169.41155	16.34594	0.0839334	0.17824863	3.1269330	20	—	—
273271 2006 OP	15.2	X	223.05946	270.91227	299.16863	23.59504	0.2597896	0.17507742	3.1645791	20	12 15.0	20.5
273272 2006 OU	17.1	X	180.27619	48.18782	325.46063	2.16838	0.2028329	0.25919280	2.4362439	20	3 21.2	21.2
273273 Piwowarski	15.8	X	177.52610	134.41766	145.07741	30.54957	0.3576269	0.17320810	3.1873071	20	—	—
273274 2006 PV_{35}	16.5	X	68.39422	178.51101	113.43629	13.06895	0.1776101	0.22491299	2.6778918	20	11 22.9	20.7
273275 2006 PQ_{36}	16.6	X	137.36669	28.02832	127.35158	24.68296	0.0689394	0.35217841	1.9859161	20	8 14.9	18.9
273276 2006 QG_{64}	17.0	X	53.59449	196.61862	161.75864	6.25669	0.2139851	0.29691428	2.2252663	20	—	—
273277 2006 QK_{73}	17.2	X	211.64518	8.84244	356.61665	6.51182	0.1325128	0.26114938	2.4240601	20	4 7.7	21.0
273278 2006 QD_{90}	17.0	X	29.21092	179.13161	183.13719	4.30825	0.2258164	0.29240023	2.2481101	20	—	—
273279 2006 QD_{119}	17.8	X	67.87541	313.71320	20.29394	3.00223	0.1972584	0.29928051	2.2135216	20	—	—
273280 2006 QH_{155}	17.8	X	340.23838	56.71278	351.25794	4.04141	0.1632121	0.29275072	2.2463154	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
273281 2006 QD_{166}	17.2	X	185.28448	43.53444	316.34115	5.71356	0.1328873	0.25283919	2.4768885	20	3 6.2	21.0
273282 2006 QR_{167}	16.9	X	77.39355	342.27779	344.12606	7.89788	0.2018102	0.29723645	2.2236581	20	—	—
273283 2006 RL_{18}	14.6	X	285.93894	298.10077	49.14685	3.61853	0.2353811	0.12542098	3.9526581	20	5 26.3	20.1
273284 2006 RU_{24}	18.5	X	95.89272	131.02544	269.10582	4.07583	0.0633531	0.31738333	2.1285310	20	—	—
273285 2006 RD_{58}	17.4	X	199.89103	350.75970	9.52885	6.01922	0.1105992	0.25549193	2.4597139	20	3 22.9	20.9
273286 2006 RV_{66}	17.1	X	113.45209	289.80433	10.70408	5.63687	0.1833320	0.29988118	2.2105647	20	—	—
273287 2006 RE_{86}	18.1	X	291.28813	275.04511	170.24136	2.03374	0.1508804	0.28691453	2.2766749	20	11 23.1	19.9
273288 2006 RY_{88}	18.6	X	127.72017	142.36094	209.77007	2.88792	0.0621689	0.31055428	2.1596218	20	—	—
273289 2006 RR_{101}	16.7	X	251.87686	345.46949	67.50813	4.54930	0.0581313	0.27729545	2.3290254	20	8 12.5	19.5
273290 2006 SN_{12}	17.5	X	8.21265	239.81399	119.65296	6.81142	0.2717778	0.28807921	2.2705345	20	—	—
273291 2006 SJ_{16}	16.3	X	256.47299	63.70103	221.66440	5.30621	0.0689019	0.18028774	3.1033107	20	2 25.8	20.9
273292 2006 SP_{36}	17.0	X	133.52776	203.23483	106.56028	8.30286	0.2564917	0.30821640	2.1705288	20	—	—
273293 2006 SK_{39}	17.4	X	309.90737	57.66745	334.22075	5.23721	0.1681817	0.28080718	2.3095671	20	10 1.8	19.1
273294 2006 SS_{70}	18.1	X	157.39815	220.21257	60.09344	1.72132	0.1650992	0.30388701	2.1910954	20	—	—
273295 2006 SO_{87}	17.7	X	134.23654	283.54524	21.01867	3.84985	0.1224867	0.30349233	2.1929946	20	—	—
273296 2006 SU_{90}	17.8	X	322.80146	13.83007	357.52835	2.17502	0.2196993	0.28002048	2.3138908	20	9 28.8	18.7
273297 2006 SS_{92}	17.8	X	358.99600	254.31291	204.71759	4.14692	0.1318337	0.30092919	2.2054295	20	—	—
273298 2006 SD_{100}	17.2	X	135.61163	308.25583	222.38370	8.18168	0.0891081	0.28147907	2.3058903	20	8 23.6	20.6
273299 2006 SR_{106}	18.1	X	79.41092	33.61170	9.42944	5.37638	0.1162695	0.30917771	2.1660273	20	—	—
273300 2006 SS_{108}	17.1	X	148.48243	241.00554	119.97369	8.06348	0.2511877	0.24454364	2.5325914	20	2 14.2	21.2
273301 2006 SG_{112}	17.6	X	299.47574	89.20349	313.93197	2.84197	0.1761632	0.28266177	2.2994537	20	9 26.9	19.5
273302 2006 SS_{118}	17.5	X	216.94564	59.36733	23.55692	3.86604	0.2378634	0.26610560	2.3938671	20	7 18.9	21.4
273303 2006 SL_{141}	17.0	X	347.12890	287.55618	109.53337	7.12354	0.0935539	0.28969696	2.2620737	20	12 24.6	19.4
273304 2006 SQ_{148}	18.3	X	210.74048	274.29732	339.61505	3.66753	0.1329183	0.30884568	2.1675794	20	—	—
273305 2006 SN_{183}	17.9	X	253.46738	85.17894	19.43235	2.80474	0.1534062	0.28189874	2.3036012	20	10 11.6	20.3
273306 2006 SZ_{186}	17.2	X	1.71747	320.62137	33.77052	3.72496	0.1313571	0.28254932	2.3000637	20	11 19.4	19.4
273307 2006 SL_{201}	18.2	X	257.74737	335.57660	189.62169	3.42581	0.0764501	0.29543698	2.2326782	20	—	—
273308 2006 ST_{213}	18.0	X	150.35865	146.25885	199.69939	2.59341	0.1829127	0.31531082	2.1378479	20	1 11.2	20.9
273309 2006 ST_{258}	18.0	X	258.20472	109.65094	21.48552	1.67714	0.1035756	0.28846401	2.2685148	20	12 6.2	20.4
273310 2006 SG_{267}	17.3	X	166.18309	272.65862	342.78050	4.71902	0.0699941	0.29720096	2.2238351	20	—	—
273311 2006 SM_{267}	17.9	X	125.85172	344.65052	331.56673	3.30511	0.1853991	0.30405831	2.1902724	20	—	—
273312 2006 SN_{274}	17.6	X	348.56346	231.88157	232.64123	3.48172	0.0902171	0.29606008	2.2295445	20	—	—
273313 2006 SX_{274}	17.3	X	260.46651	341.46819	48.01830	3.38782	0.1043725	0.26528448	2.3988043	20	7 11.6	20.2
273314 2006 SS_{355}	18.4	X	331.52328	262.61985	164.74288	5.07347	0.2672021	0.28852167	2.2682126	20	—	—
273315 2006 ST_{356}	16.9	X	93.49587	293.36180	81.37555	6.84523	0.1909352	0.30612485	2.1804041	20	—	—
273316 2006 SD_{391}	18.0	X	256.87155	23.07987	42.90309	2.89419	0.1901513	0.27469949	2.3436755	20	8 15.9	20.9
273317 2006 SP_{404}	17.7	X	70.67930	291.88228	11.02672	3.41223	0.1629208	0.28764888	2.2727985	20	12 15.3	21.1
273318 2006 SR_{409}	17.8	X	303.31882	135.72438	347.21399	7.47824	0.0557436	0.29879619	2.2159129	20	—	—
273319 2006 TW_{2}	17.6	X	107.56731	252.33475	167.85744	7.28448	0.2564988	0.24297119	2.5435065	20	3 19.2	21.2
273320 2006 TU_{20}	17.6	X	231.49913	329.75311	120.15283	0.24144	0.1831489	0.27145719	2.3623005	20	8 16.9	21.0
273321 2006 TZ_{20}	17.4	X	154.60021	283.46986	49.08969	2.53146	0.2070997	0.23939565	2.5687700	20	1 12.8	21.3
273322 2006 TQ_{21}	17.3	X	92.34326	334.86958	344.94152	6.74956	0.2335304	0.29848916	2.2174322	20	—	—
273323 2006 TM_{22}	17.6	X	50.20994	346.36101	45.92285	5.64270	0.1726504	0.29921255	2.2138567	20	—	—
273324 2006 TV_{28}	18.1	X	99.37220	146.54758	204.55116	4.43388	0.2012491	0.30404612	2.1903310	20	—	—
273325 2006 TA_{30}	17.0	X	133.97167	182.08794	191.76010	3.63247	0.1385833	0.24117685	2.5561066	20	2 2.5	20.6
273326 2006 TF_{44}	17.2	X	145.99991	123.96335	212.62309	1.51625	0.2431867	0.23796261	2.5790726	20	1 12.6	21.1
273327 2006 TY_{48}	17.6	X	57.03096	278.48561	41.55755	4.49685	0.2416857	0.29054829	2.2576529	20	12 31.8	21.0
273328 2006 TS_{51}	17.6	X	287.63845	249.25753	111.88020	2.06475	0.2061352	0.26906326	2.3762919	20	6 22.7	20.1
273329 2006 TS_{54}	16.8	X	6.33658	207.16006	235.58997	6.87150	0.1257609	0.29852880	2.2172358	20	—	—
273330 2006 TO_{57}	17.5	X	330.13260	220.78650	192.85180	4.86400	0.1402460	0.28619823	2.2804721	20	12 23.7	19.6
273331 2006 TM_{62}	17.2	X	330.51652	329.03987	70.00480	6.86698	0.1645545	0.28829485	2.2694021	20	12 5.5	19.0
273332 2006 TO_{63}	17.4	X	336.81148	18.74096	2.03674	7.09812	0.1127789	0.28421616	2.2910622	20	11 10.3	19.6
273333 2006 TU_{69}	17.7	X	271.35602	302.34854	127.10901	3.25142	0.1615468	0.27840558	2.3228300	20	9 17.8	20.2
273334 2006 TK_{70}	17.4	X	87.29078	226.05881	93.02492	7.29412	0.1636481	0.29744502	2.2226185	20	—	—
273335 2006 TU_{72}	17.6	X	266.02876	103.09569	291.04393	3.21391	0.1831412	0.27086125	2.3657642	20	7 13.1	20.4
273336 2006 TA_{74}	17.2	X	156.89599	217.07355	144.76027	6.62024	0.1743596	0.24502573	2.5292684	20	2 15.5	21.1
273337 2006 TJ_{79}	17.8	X	90.20245	137.87484	194.32438	3.64818	0.1933278	0.29771276	2.2212857	20	—	—
273338 2006 TB_{80}	17.1	X	18.21006	23.07466	308.03982	4.06463	0.1717952	0.28398612	2.2922992	20	11 18.8	19.6
273339 2006 TH_{85}	17.8	X	161.90071	83.46002	268.89500	3.07271	0.1997887	0.31632715	2.1332663	20	2 1.9	20.7
273340 2006 TG_{92}	17.6	X	34.31154	86.38112	25.75728	2.88844	0.0685748	0.30938499	2.1650598	20	—	—
273341 2006 TU_{101}	17.9	X	257.03701	135.17006	278.98705	0.55074	0.1768934	0.27145803	2.3622957	20	7 30.4	20.6
273342 2006 TQ_{106}	17.6	X	315.83387	351.44012	61.20358	3.76721	0.1038170	0.28571766	2.2830285	20	11 22.0	19.6
273343 2006 TC_{107}	17.2	X	152.20235	143.28273	195.83084	6.11727	0.2279790	0.24082561	2.5585914	20	1 18.4	21.4
273344 2006 UU_{14}	16.8	X	149.25685	170.55704	169.46436	2.34062	0.1121293	0.23668475	2.5883472	20	1 6.8	20.5
273345 2006 UD_{30}	18.0	X	100.23226	97.49210	321.95934	0.75741	0.0287855	0.31567124	2.1362203	20	1 22.7	20.0
273346 2006 UC_{36}	18.4	X	45.12334	119.45853	298.32721	0.72379	0.1188840	0.30223314	2.1990815	20	—	—
273347 2006 UW_{46}	18.0	X	306.37450	17.49863	157.39306	1.36477	0.0700123	0.30394862	2.1907993	20	—	—
273348 2006 UJ_{61}	16.8	X	214.18618	313.90015	321.93828	2.73117	0.0680970	0.23528573	2.5985973	20	—	—
273349 2006 UN_{61}	16.9	X	37.89048	54.57646	0.18012	4.87530	0.1245928	0.29873982	2.2161916	20	—	—
273350 2006 UJ_{66}	18.1	X	44.04252	208.75124	189.69527	4.82497	0.1171845	0.30193982	2.2005055	20	—	—
273351 2006 UN_{66}	16.8	X	60.49707	288.52367	209.56275	17.47412	0.2293983	0.24593171	2.5230530	20	4 23.9	19.2
273352 2006 UK_{69}	16.6	X	64.24137	347.14790	112.12134	5.16735	0.1278853	0.24000470	2.5644223	20	2 20.7	19.5
273353 2006 UH_{88}	17.4	X	297.27113	165.06101	7.19553	3.54314	0.0378198	0.30257228	2.1974380	20	—	—
273354 2006 US_{89}	17.5	X	227.53760	80.28602	17.10534	2.83890	0.1306718	0.27133413	2.3630148	20	8 30.2	20.5
273355 2006 UN_{90}	17.5	X	267.37989	30.37841	16.01094	2.53999	0.1977220	0.27103516	2.3647522	20	7 31.3	20.2
273356 2006 UB_{137}	17.9	X	278.57229	77.86829	11.11381	5.36345	0.2317446	0.27960709	2.3161708	20	10 16.8	20.0
273357 2006 UG_{145}	17.2	X	147.71535	107.31763	312.63824	8.19176	0.2034267	0.25459567	2.4654832	20	4 16.3	21.3
273358 2006 UQ_{173}	18.1	X	264.88885	112.34850	326.98468	1.21035	0.1566044	0.27072812	2.3665398	20	9 19.5	20.5
273359 2006 UM_{174}	17.6	X	13.88695	117.07635	261.80392	4.59215	0.1682762	0.28940850	2.2635766	20	—	—
273360 2006 UG_{184}	16.6	X	338.50399	5.87254	336.41910	5.99873	0.2497215	0.27751589	2.3277919	20	9 20.7	17.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
273361 2006 UE_{190}	17.1	X	349.19312	178.55083	276.26881	5.61715	0.1231804	0.29826376	2.2185492	20	—	—
273362 2006 UY_{192}	18.0	X	68.31721	44.63985	319.38533	2.93397	0.2289064	0.29889692	2.2154150	20	—	—
273363 2006 UD_{193}	16.8	X	38.65008	47.59411	355.66759	4.81537	0.1625360	0.29733164	2.2231834	20	—	—
273364 2006 UU_{210}	17.7	X	230.36948	9.38213	292.55171	3.74595	0.2725424	0.32184481	2.1088145	20	1 28.8	21.3
273365 2006 UP_{215}	16.8	X	15.39769	99.67710	274.68996	7.71435	0.1570193	0.28794158	2.2712580	20	—	—
273366 2006 UY_{219}	17.1	X	130.65700	191.64090	195.71083	14.23468	0.1717614	0.24321100	2.5418343	20	2 17.1	21.0
273367 2006 UN_{224}	17.4	X	308.25719	185.18886	250.90182	4.63247	0.1161931	0.28733358	2.2744608	20	12 14.2	19.4
273368 2006 UZ_{228}	17.6	X	355.10216	221.63461	196.18940	2.75494	0.1482036	0.29033864	2.2587395	20	—	—
273369 2006 UA_{231}	16.5	X	99.21094	132.00973	168.83183	15.29711	0.2427376	0.22628321	2.6670705	20	12 31.4	21.4
273370 2006 UJ_{232}	17.5	X	315.59137	289.33103	140.50293	5.79738	0.1278374	0.28784926	2.2717436	20	12 19.9	19.4
273371 2006 UY_{237}	18.4	X	106.39185	300.89336	86.65032	1.79503	0.0971167	0.31062158	2.1593098	20	—	—
273372 2006 UV_{262}	17.1	X	319.40421	258.48592	103.66287	10.37240	0.2476108	0.27685066	2.3315193	20	9 3.7	18.6
273373 2006 UT_{266}	16.7	X	93.63443	28.60072	47.32031	15.72379	0.0915545	0.24274093	2.5451148	20	3 6.6	20.3
273374 2006 UQ_{271}	17.8	X	1.38709	292.58000	51.37004	5.91338	0.1812119	0.28068740	2.3102241	20	11 11.6	19.8
273375 2006 UG_{275}	18.0	X	55.76806	161.23022	257.51820	3.09078	0.0607347	0.30614996	2.1802849	20	—	—
273376 2006 UQ_{288}	18.3	X	101.60848	37.22962	355.72532	4.95326	0.1050662	0.31050717	2.1598402	20	—	—
273377 2006 UP_{331}	17.9	X	328.62539	217.25592	224.13960	3.45500	0.1495128	0.28807916	2.2705347	20	—	—
273378 2006 VN_{1}	17.3	X	334.30644	338.61088	6.71372	5.40995	0.1956154	0.27704299	2.3304401	20	9 14.4	18.7
273379 2006 VB_{9}	18.0	X	225.75071	33.60646	40.04460	1.73864	0.1716089	0.26723888	2.3870946	20	7 20.8	21.3
273380 2006 VD_{9}	16.8	X	130.78933	326.90547	41.16261	3.31725	0.0886543	0.23793310	2.5792859	20	1 18.4	20.3
273381 2006 VE_{16}	18.0	X	37.83461	84.39053	27.32973	4.86037	0.0727440	0.30916192	2.1661011	20	1 4.2	20.0
273382 2006 VF_{29}	17.5	X	263.28303	91.64346	344.06016	2.42053	0.0495165	0.27405996	2.3473201	20	9 29.7	20.1
273383 2006 VZ_{33}	17.2	X	56.40234	339.63497	66.18384	5.03876	0.1083212	0.30167711	2.2017828	20	—	—
273384 2006 VG_{39}	16.8	X	207.03152	233.91159	38.12036	0.73107	0.0440550	0.23258486	2.6186759	20	—	—
273385 2006 VR_{42}	17.0	X	310.07477	164.01154	216.86635	3.78177	0.2501991	0.27587969	2.3369866	20	9 1.9	18.4
273386 2006 VJ_{44}	16.7	X	19.08501	264.17844	85.51019	7.49460	0.1466280	0.28503475	2.2866736	20	12 13.5	19.3
273387 2006 VN_{49}	17.3	X	296.71697	205.17551	26.85168	2.96583	0.0783603	0.31144206	2.1555158	20	1 21.0	19.9
273388 2006 VQ_{50}	17.2	X	166.54729	130.28780	339.45580	1.60501	0.1560758	0.25817813	2.4426228	20	7 9.6	21.1
273389 2006 VT_{54}	17.5	X	320.29328	271.93432	217.52728	1.96044	0.0808937	0.29607842	2.2294524	20	—	—
273390 2006 VN_{55}	18.1	X	345.39472	273.53869	218.56385	3.58363	0.0597161	0.30198293	2.2002961	20	—	—
273391 2006 VZ_{55}	17.4	X	304.57362	196.65981	204.32972	2.46515	0.1123287	0.27730305	2.3289828	20	10 10.6	19.4
273392 2006 VY_{65}	17.5	X	322.83718	175.07960	216.36672	1.83350	0.2041403	0.27987147	2.3147120	20	11 4.4	18.9
273393 2006 VR_{96}	17.8	X	346.22222	29.12086	85.57668	4.95020	0.0977257	0.29569570	2.2313758	20	—	—
273394 2006 VX_{97}	17.3	X	199.48328	322.75325	285.06852	4.99538	0.0730603	0.29760681	2.2218129	20	—	—
273395 2006 VF_{101}	17.6	X	253.52371	295.28146	107.25918	3.74256	0.1773930	0.26858793	2.3790947	20	7 9.3	20.9
273396 2006 VJ_{102}	16.7	X	215.11170	245.12865	30.82329	8.20893	0.1548722	0.23826166	2.5769141	20	—	—
273397 2006 VZ_{104}	17.6	X	64.21009	98.03113	254.95310	4.88197	0.2104438	0.29564066	2.2316527	20	—	—
273398 2006 VE_{107}	16.6	X	67.38574	131.60716	293.06111	3.35784	0.1337702	0.23293460	2.6160541	20	1 10.1	19.5
273399 2006 VJ_{129}	17.1	X	252.59156	48.72738	26.99799	5.22701	0.2021796	0.27150973	2.3619958	20	8 22.8	20.1
273400 2006 VG_{134}	17.3	X	77.77293	271.43535	103.59489	2.81753	0.0342341	0.29945043	2.2126841	20	—	—
273401 2006 VM_{134}	17.2	X	235.12288	347.25338	75.91817	3.23764	0.1978759	0.26566394	2.3965195	20	7 13.8	20.6
273402 2006 VM_{137}	17.9	X	239.90190	260.40700	241.26245	3.36371	0.0645457	0.28143181	2.3061485	20	11 27.3	20.3
273403 2006 VC_{138}	17.8	X	302.09730	112.55026	116.56616	1.11006	0.0959424	0.31268424	2.1498033	20	1 20.4	20.4
273404 2006 VN_{139}	17.3	X	307.79665	229.72461	249.40723	2.08465	0.0901767	0.29007191	2.2601240	20	—	—
273405 2006 VQ_{139}	18.1	X	4.19830	226.64358	237.50648	2.61541	0.0717654	0.29898826	2.2149638	20	—	—
273406 2006 VM_{146}	17.1	X	149.34698	174.74117	154.49165	4.96076	0.1943612	0.30710028	2.1757846	20	—	—
273407 2006 VS_{147}	17.4	X	323.14647	46.34065	48.59195	4.74630	0.1625910	0.28914966	2.2649272	20	—	—
273408 2006 VY_{151}	16.5	X	36.63155	297.23858	179.28472	8.16697	0.1538374	0.23596736	2.5935906	20	1 25.3	19.1
273409 2006 VG_{153}	17.5	X	24.23193	86.24958	338.30646	6.77089	0.1270705	0.29884336	2.2156797	20	—	—
273410 2006 VH_{168}	17.1	X	214.11815	221.12552	249.03942	4.84656	0.1629066	0.26403327	2.4063767	20	8 23.9	20.7
273411 2006 VU_{168}	17.4	X	326.70780	210.17285	295.32247	2.58268	0.0822170	0.30112502	2.2044732	20	—	—
273412 Eduardomissoni	17.4	X	80.86487	336.43001	322.59910	6.59322	0.1415266	0.28812339	2.2703024	20	12 19.3	20.7
273413 2006 WO_{4}	15.6	X	176.22408	61.12885	274.34644	14.23237	0.3133274	0.24131420	2.5551366	20	2 3.3	20.4
273414 2006 WR_{10}	17.0	X	128.83443	91.93809	297.73524	5.87420	0.0684956	0.31103614	2.1573907	20	1 28.3	19.4
273415 2006 WX_{10}	17.7	X	77.21499	61.12637	297.97876	4.68251	0.1733789	0.29780813	2.2208114	20	—	—
273416 2006 WJ_{11}	16.9	X	57.99067	154.83732	265.32680	6.44199	0.0926302	0.30223415	2.1990766	20	—	—
273417 2006 WV_{12}	18.3	X	116.56010	223.14840	141.78794	2.50447	0.1350574	0.30515927	2.1850011	20	—	—
273418 2006 WY_{16}	18.1	X	94.13814	27.26852	7.80473	4.79394	0.1745338	0.30669545	2.1776989	20	1 1.9	20.1
273419 2006 WX_{21}	17.8	X	234.63143	297.53623	145.44182	2.63958	0.3027719	0.26762005	2.3848274	20	7 28.0	21.7
273420 2006 WA_{28}	16.6	X	49.91779	187.00038	241.51841	9.83962	0.1149146	0.22933928	2.6433241	20	—	—
273421 2006 WJ_{36}	18.0	X	70.58315	214.63183	174.17058	4.18398	0.1460279	0.30093916	2.2053808	20	—	—
273422 2006 WJ_{47}	17.0	X	39.02383	140.82093	284.57163	3.54395	0.0545021	0.22614381	2.6681664	20	—	—
273423 2006 WG_{49}	16.8	X	98.67597	268.42215	100.97272	4.44076	0.2189693	0.23104943	2.6302646	20	—	—
273424 2006 WF_{55}	16.3	X	21.49560	126.56763	253.17750	13.30506	0.0907991	0.21429594	2.7656258	20	12 27.0	19.9
273425 2006 WP_{60}	17.5	X	282.82856	123.22500	340.49499	2.20392	0.1539956	0.28162910	2.3050713	20	11 30.9	19.4
273426 2006 WQ_{61}	17.8	X	307.07739	235.74214	244.43239	0.58508	0.1598545	0.29059743	2.2573984	20	—	—
273427 2006 WR_{69}	16.8	X	229.85310	128.47682	262.80682	3.96388	0.1951103	0.25400349	2.4693136	20	5 26.6	20.7
273428 2006 WH_{70}	17.4	X	119.65027	223.23799	29.64478	4.36316	0.1082533	0.28356769	2.2945537	20	11 26.9	20.8
273429 2006 WB_{76}	17.9	X	196.37556	259.78044	66.39207	1.06879	0.0869025	0.31428013	2.1425194	20	1 28.1	20.7
273430 2006 WW_{103}	18.3	X	205.50339	275.69740	218.49062	0.90354	0.1313204	0.27118593	2.3638756	20	9 21.7	21.6
273431 2006 WA_{104}	17.3	X	257.79542	107.45990	73.71750	5.25121	0.0998924	0.29146154	2.2529344	20	—	—
273432 2006 WC_{121}	17.4	X	78.69514	163.70904	121.82535	6.31832	0.1644911	0.28163999	2.3050119	20	12 1.7	20.8
273433 2006 WT_{137}	17.5	X	135.78770	115.89996	73.66698	7.31359	0.0455787	0.27064727	2.3670110	20	9 23.9	20.7
273434 2006 WG_{139}	18.2	X	187.19937	203.81691	127.87822	1.29088	0.0900572	0.31237806	2.1512078	20	1 25.1	20.9
273435 2006 WT_{143}	17.9	X	316.30248	193.45817	221.04378	3.71363	0.1352868	0.28117835	2.3075341	20	11 25.4	19.9
273436 2006 WT_{146}	17.6	X	227.59928	188.82660	67.14864	7.81290	0.0636489	0.30256202	2.1974876	20	—	—
273437 2006 WC_{153}	17.6	X	232.59631	67.13173	29.18008	1.98240	0.1468387	0.26556697	2.3971029	20	8 31.9	20.7
273438 2006 WQ_{153}	17.1	X	318.70997	316.34099	80.32282	7.42284	0.1272126	0.27304583	2.3531287	20	11 2.3	19.2
273439 2006 WA_{159}	15.0	X	143.73615	100.30248	267.44796	26.99333	0.2056761	0.23820658	2.5773113	20	2 1.8	19.5
273440 2006 WL_{163}	17.7	X	334.03762	287.27775	206.28881	3.94345	0.0958931	0.29884555	2.2156689	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
273441 2006 WE_{165}	17.6	X	210.88994	224.87900	260.45571	1.39072	0.1577874	0.27116116	2.3640195	20	9 12.6	21.0
273442 2006 WB_{174}	17.6	X	275.38552	35.28275	81.63529	7.17128	0.0748932	0.28262088	2.2996755	20	12 15.8	20.1
273443 2006 WW_{178}	17.1	X	35.94479	260.25674	50.68209	4.30270	0.0717600	0.27678016	2.3319152	20	10 31.1	19.7
273444 2006 WL_{184}	16.5	X	245.27120	40.60956	98.66902	7.25448	0.0762433	0.27096712	2.3651480	20	11 28.4	19.2
273445 2006 WM_{190}	16.6	X	296.57898	284.45084	120.44102	7.66491	0.1042321	0.27481626	2.3430116	20	10 6.4	19.1
273446 2006 WM_{191}	17.1	X	137.35892	311.65379	43.51122	1.95532	0.1569048	0.23744279	2.5828354	20	1 18.3	20.8
273447 2006 WN_{198}	17.0	X	116.55571	173.82544	41.29157	4.58984	0.1271933	0.27020711	2.3695809	20	10 6.7	20.5
273448 2006 XH_{7}	17.2	X	183.11774	194.08206	70.32250	7.17608	0.0737382	0.29333786	2.2433170	20	—	—
273449 2006 XS_{9}	17.5	X	191.09422	181.00186	49.94413	3.15766	0.1195864	0.28450345	2.2895196	20	—	—
273450 2006 XA_{14}	17.3	X	161.01051	59.98144	296.58778	1.39526	0.0556626	0.30990109	2.1626554	20	1 23.9	19.7
273451 2006 XP_{14}	16.6	X	348.05013	36.71467	84.26775	14.42783	0.1322422	0.22297378	2.6933958	20	—	—
273452 2006 XW_{16}	17.0	X	318.29149	38.89980	78.73242	4.68252	0.0341060	0.28854828	2.2680731	20	—	—
273453 2006 XW_{17}	17.4	X	282.79641	79.17119	27.04922	2.53291	0.1685053	0.27822294	2.3238464	20	12 1.9	19.3
273454 2006 XR_{25}	17.4	X	59.11821	344.12553	80.96760	9.50462	0.1236218	0.30254874	2.1975519	20	—	—
273455 2006 XS_{29}	17.2	X	336.66370	304.51526	131.09398	5.90127	0.1815922	0.28600932	2.2814761	20	—	—
273456 2006 XZ_{34}	16.6	X	13.94432	40.16323	9.58861	11.55391	0.1388156	0.28889750	2.2662450	20	—	—
273457 2006 XC_{38}	17.0	X	266.22558	36.17739	86.46957	3.43250	0.1650510	0.27739654	2.3284595	20	11 25.5	19.3
273458 2006 XQ_{41}	17.0	X	229.95869	127.63215	352.70245	7.38976	0.2562377	0.26966997	2.3727264	20	9 15.8	20.5
273459 2006 XB_{43}	17.5	X	257.45965	200.11880	281.44140	4.91041	0.1325007	0.27495764	2.3422083	20	11 11.7	20.1
273460 2006 XJ_{44}	17.8	X	269.61603	85.01803	58.91356	3.06101	0.0521877	0.28572576	2.2829853	20	—	—
273461 2006 XX_{44}	17.4	X	297.02225	280.48783	77.96516	4.68193	0.1812781	0.26675801	2.3899624	20	7 9.6	19.9
273462 2006 XM_{45}	17.4	X	253.76541	100.00797	77.02740	4.78606	0.1128716	0.28752788	2.2734361	20	—	—
273463 2006 XV_{45}	16.4	X	85.48615	352.87138	33.74542	6.37627	0.1974404	0.23018611	2.6368371	20	—	—
273464 2006 XY_{45}	17.6	X	241.47180	55.79478	51.16194	2.08038	0.1375763	0.27172656	2.3607391	20	9 29.3	20.3
273465 2006 XR_{48}	17.6	X	121.29954	127.21001	80.60147	7.97388	0.0431433	0.27133123	2.3630316	20	9 30.9	20.8
273466 2006 XF_{52}	16.8	X	338.92417	244.60073	83.24966	10.20861	0.2669670	0.27098136	2.3650651	20	9 1.4	18.2
273467 2006 XF_{56}	17.4	X	291.37114	338.45178	132.14039	3.31297	0.1832618	0.27811791	2.3244315	20	12 27.2	18.9
273468 2006 XL_{65}	16.7	X	101.63319	224.88624	134.37744	8.54086	0.1905669	0.30125825	2.2038232	20	—	—
273469 2006 XD_{69}	17.5	X	10.18974	164.71157	244.77214	2.66046	0.1827534	0.28667233	2.2779571	20	—	—
273470 2006 XF_{69}	17.4	X	290.39481	305.47554	116.94162	3.03376	0.1966739	0.27044630	2.3681835	20	10 5.7	19.4
273471 2006 YK_{2}	17.7	X	8.57516	100.62310	255.07499	4.20074	0.2431114	0.28364645	2.2941289	20	12 21.9	20.1
273472 2006 YH_{8}	17.3	X	174.84246	298.72302	298.16142	4.10068	0.0956352	0.27881208	2.3205717	20	—	—
273473 2006 YT_{8}	17.1	X	327.95845	344.56054	96.68368	6.42149	0.1298185	0.28219026	2.3020144	20	—	—
273474 2006 YT_{9}	17.3	X	319.56131	152.95525	280.95032	3.51348	0.1105016	0.28189755	2.3036077	20	12 29.9	19.3
273475 2006 YK_{10}	17.3	X	285.56715	352.93054	75.88654	7.97213	0.2488544	0.27350455	2.3504969	20	9 30.8	19.4
273476 2006 YT_{14}	15.8	X	70.09266	178.30364	302.23428	15.57480	0.2119417	0.24179383	2.5517566	20	4 1.7	19.1
273477 2006 YC_{15}	17.2	X	339.34219	89.00807	319.83481	4.49395	0.1503101	0.28255204	2.3000490	20	—	—
273478 2006 YN_{16}	17.6	X	215.14430	46.19916	64.39795	1.52327	0.1495714	0.26515856	2.3995637	20	8 30.5	20.9
273479 2006 YK_{17}	16.6	X	221.93601	330.73810	118.35080	4.63866	0.1599760	0.26188543	2.4195160	20	8 7.4	20.2
273480 2006 YJ_{23}	17.5	X	211.18920	108.48484	67.06813	4.29956	0.1638766	0.27530678	2.3402277	20	11 19.1	20.5
273481 2006 YL_{37}	17.1	X	269.38762	24.46027	87.50667	6.12760	0.1084213	0.27510656	2.3413630	20	11 23.6	19.5
273482 2006 YF_{39}	16.6	X	202.02171	281.53599	311.88384	6.61927	0.0558696	0.28443895	2.2898656	20	—	—
273483 2006 YR_{40}	16.8	X	170.65050	254.15313	246.00009	1.95395	0.1915524	0.26145344	2.4221803	20	8 20.7	20.7
273484 2006 YQ_{49}	17.4	X	254.62184	90.47183	25.65892	3.90565	0.1056280	0.27255230	2.3559685	20	11 4.1	20.1
273485 2006 YC_{51}	17.4	X	284.53620	2.58106	94.39244	3.03950	0.1351398	0.27427402	2.3460986	20	11 24.5	19.6
273486 2006 YE_{51}	17.7	X	203.78397	83.95410	93.03355	2.27496	0.1293525	0.27015130	2.3699072	20	11 16.0	21.0
273487 2006 YT_{51}	17.4	X	244.80992	71.84072	358.13793	2.10875	0.1663977	0.26098782	2.4250604	20	8 7.3	20.7
273488 2007 AA_{1}	17.9	X	224.72385	215.20254	271.76671	0.58728	0.1212961	0.26875289	2.3781210	20	10 5.7	21.1
273489 2007 AU_{3}	16.3	X	165.21438	203.28602	310.20689	14.38947	0.0370818	0.26278598	2.4139851	20	8 31.7	19.7
273490 2007 AW_{3}	17.0	X	191.72408	115.44824	25.12542	5.51048	0.1775322	0.26408807	2.4060438	20	9 13.2	20.7
273491 2007 AT_{9}	17.6	X	279.93184	33.59760	87.35930	4.96194	0.1227941	0.27923407	2.3182331	20	12 24.2	19.7
273492 2007 AE_{13}	17.4	X	245.01960	326.85470	263.17790	1.78821	0.0671310	0.29844690	2.2176415	20	—	—
273493 2007 AP_{13}	17.2	X	155.11185	348.69437	128.46302	3.32944	0.1381760	0.25330312	2.4738633	20	7 7.1	21.0
273494 2007 AF_{15}	17.6	X	199.74476	172.24097	252.83141	1.67950	0.1873296	0.25499528	2.4629066	20	6 11.8	21.4
273495 2007 AW_{15}	16.8	X	250.12587	18.63415	124.38630	9.94627	0.1013481	0.27705715	2.3303606	20	12 9.1	19.5
273496 2007 AL_{16}	17.2	X	158.05707	206.72690	310.52948	2.13578	0.1643708	0.25771578	2.4455434	20	8 31.4	21.0
273497 2007 AH_{18}	16.8	X	249.57994	11.44434	126.84625	6.03256	0.1019494	0.27603005	2.3361379	20	11 30.9	19.4
273498 2007 AX_{18}	16.3	X	125.70152	48.17744	116.41756	7.14926	0.0661272	0.25712088	2.4493141	20	8 3.9	19.6
273499 2007 AR_{22}	17.2	X	134.57048	281.54800	235.02763	1.65521	0.1301735	0.25580439	2.4577105	20	8 6.3	20.9
273500 2007 AX_{22}	16.8	X	326.74082	315.72807	138.67251	4.13464	0.1145117	0.21140219	2.7908065	20	—	—
273501 2007 AK_{26}	17.0	X	150.21509	284.02534	265.62977	4.44570	0.1730098	0.26101031	2.4249211	20	10 2.9	21.0
273502 2007 AW_{26}	17.1	X	354.57065	341.51287	118.01836	7.35963	0.0772544	0.29151684	2.2526495	20	—	—
273503 2007 AD_{27}	17.1	X	213.29709	101.80746	24.82841	2.87571	0.1105381	0.26388935	2.4072516	20	9 23.1	20.3
273504 2007 AE_{27}	17.9	X	301.40421	96.27572	320.25100	1.60056	0.1884244	0.27175096	2.3605978	20	10 19.6	19.5
273505 2007 AK_{27}	18.0	X	337.30630	128.56360	284.16999	2.06851	0.1804049	0.27790345	2.3256272	20	—	—
273506 2007 AJ_{28}	18.0	X	305.10561	63.20808	351.89281	1.06423	0.1696213	0.27404216	2.3474218	20	10 28.8	19.6
273507 2007 AC_{30}	17.5	X	219.92555	101.95322	72.09011	2.45793	0.1178672	0.27284871	2.3542619	20	12 3.4	20.5
273508 2007 AN_{30}	17.5	X	147.05337	37.88926	167.64677	2.77387	0.1184587	0.26454840	2.4032519	20	10 23.9	21.1
273509 2007 BV_{1}	17.3	X	256.94999	340.75275	133.15296	5.17502	0.1532029	0.27393766	2.3480187	20	10 31.1	19.9
273510 2007 BJ_{2}	16.6	X	70.36490	326.82348	99.76363	14.44218	0.2894219	0.22761530	2.6566546	20	2 15.4	19.5
273511 2007 BG_{3}	17.1	X	232.83249	322.11420	137.56964	4.26354	0.1073120	0.26600013	2.3944999	20	9 11.8	20.1
273512 2007 BH_{3}	17.5	X	182.55852	277.53596	222.81417	1.39535	0.1748756	0.26190736	2.4193809	20	9 1.6	21.3
273513 2007 BT_{3}	17.3	X	277.38692	317.01415	132.22775	2.64607	0.1745832	0.27332306	2.3515373	20	10 25.2	19.5
273514 2007 BO_{5}	16.3	X	168.93599	19.44235	40.58526	6.36033	0.1574186	0.24639849	2.5198655	20	5 7.7	20.3
273515 2007 BH_{11}	16.9	X	288.52696	356.74105	95.90874	7.28463	0.0371440	0.27349279	2.3505643	20	12 3.2	19.6
273516 2007 BP_{11}	17.2	X	348.93079	28.88535	349.85777	6.15478	0.1466382	0.27344771	2.3508226	20	12 1.5	19.6
273517 2007 BS_{13}	17.5	X	229.81141	76.93768	1.36039	2.60685	0.1804799	0.26100609	2.4249472	20	7 30.5	20.9
273518 2007 BC_{15}	17.4	X	142.45199	144.36960	105.16783	4.23648	0.1146508	0.27301700	2.3532944	20	12 14.7	20.9
273519 2007 BQ_{16}	17.2	X	172.34716	124.03029	86.53302	2.35860	0.1354253	0.26997815	2.3709204	20	11 24.3	20.7
273520 2007 BT_{16}	17.2	X	211.16341	46.39011	66.20091	2.29916	0.1570950	0.26183876	2.4198034	20	8 28.1	20.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
273521 2007 BA_{17}	16.9	X	195.03737	251.21497	334.23193	6.63822	0.0560124	0.28135878	2.3065475	20	—	—
273522 2007 BF_{17}	16.6	X	157.75972	88.81913	124.93112	10.50921	0.1419702	0.26718446	2.3874186	20	11 16.4	20.5
273523 2007 BN_{18}	17.5	X	330.42581	16.45625	67.72330	3.49883	0.1806893	0.28323184	2.2963672	20	—	—
273524 2007 BH_{19}	16.3	X	77.14869	111.00258	115.81084	8.69148	0.0810970	0.25494018	2.4632615	20	8 31.7	19.5
273525 2007 BR_{21}	17.8	X	191.16443	137.98970	1.67683	2.33161	0.1577689	0.26354313	2.4093594	20	9 11.2	21.3
273526 2007 BB_{25}	17.2	X	358.69245	282.04894	106.28767	5.20348	0.1474804	0.27871739	2.3210973	20	—	—
273527 2007 BX_{26}	17.4	X	237.84761	114.58430	309.21120	9.39827	0.1538192	0.26035200	2.4290070	20	7 22.9	20.7
273528 2007 BG_{27}	17.4	X	329.42626	296.64897	123.54327	5.60895	0.1488755	0.27805539	2.3247799	20	12 30.1	19.4
273529 2007 BH_{27}	17.3	X	326.70032	58.88012	329.51252	3.59116	0.1876783	0.27194921	2.3594504	20	11 3.1	19.1
273530 2007 BR_{27}	17.2	X	206.03898	179.91888	288.52349	0.85107	0.1239783	0.26062230	2.4273273	20	8 18.5	20.8
273531 2007 BM_{30}	17.2	X	189.16696	50.21446	105.91871	3.58441	0.1527384	0.26362721	2.4088471	20	10 2.5	20.8
273532 2007 BE_{32}	17.2	X	135.94515	86.86476	135.50816	3.07536	0.1501449	0.26687889	2.3892407	20	11 4.0	20.9
273533 2007 BR_{32}	17.7	X	285.01518	108.34186	280.97186	1.31480	0.1945950	0.26532308	2.3985717	20	8 1.6	20.1
273534 2007 BM_{33}	17.8	X	260.36465	338.84434	124.22970	4.54360	0.1290891	0.27207630	2.3587156	20	10 24.4	20.4
273535 2007 BQ_{36}	17.4	X	285.88977	17.59740	84.55505	5.62538	0.1256361	0.27594495	2.3366181	20	12 6.1	19.6
273536 2007 BQ_{37}	18.0	X	45.46603	110.59267	282.45758	1.20948	0.1767498	0.29005165	2.2602293	20	—	—
273537 2007 BJ_{40}	17.2	X	180.42043	252.22000	313.95260	3.50764	0.0978597	0.27276385	2.3547502	20	11 30.1	20.4
273538 2007 BT_{41}	17.3	X	221.57887	356.19025	135.69692	2.47527	0.0829958	0.26795412	2.3828448	20	10 15.2	20.4
273539 2007 BK_{42}	17.2	X	169.75800	343.01163	167.07601	2.45333	0.1398187	0.25984886	2.4321415	20	9 3.4	20.9
273540 2007 BS_{42}	17.0	X	213.87796	31.90160	139.23155	5.33765	0.1121310	0.27172280	2.3607608	20	11 23.9	20.1
273541 2007 BC_{44}	17.0	X	256.31375	350.07248	135.92395	1.73389	0.1360814	0.27228003	2.3575388	20	11 16.9	19.7
273542 2007 BL_{47}	17.3	X	228.92950	38.54171	89.15985	3.47111	0.1494691	0.26690052	2.3891116	20	10 9.9	20.4
273543 2007 BP_{48}	17.4	X	273.92374	37.73542	59.47162	3.34259	0.1656656	0.27141103	2.3625684	20	10 30.9	19.5
273544 2007 BF_{50}	16.3	X	198.39424	28.99190	314.91048	5.77820	0.0470395	0.23225680	2.6211413	20	2 29.6	20.1
273545 2007 BK_{52}	16.9	X	184.57859	32.86312	352.38405	3.49260	0.2195368	0.24341444	2.5404179	20	4 8.9	21.3
273546 2007 BR_{54}	17.4	X	25.51301	321.95278	61.98963	3.77318	0.1187457	0.28358809	2.2944436	20	—	—
273547 2007 BP_{55}	17.1	X	169.27742	121.29101	75.74167	3.97708	0.0916200	0.26887422	2.3774055	20	11 7.2	20.3
273548 2007 BH_{56}	16.8	X	227.93536	344.26004	107.13614	8.22904	0.1653030	0.26239876	2.4163594	20	8 18.1	20.3
273549 2007 BN_{56}	17.2	X	234.72928	174.47932	328.08525	6.91706	0.0719674	0.27384530	2.3485466	20	11 15.7	20.3
273550 2007 BU_{56}	17.3	X	28.84110	6.14645	53.82166	3.43395	0.1434297	0.29112670	2.2546615	20	—	—
273551 2007 BY_{61}	17.5	X	291.33775	41.09356	8.16600	1.28750	0.1779970	0.27023686	2.3694070	20	9 17.8	19.8
273552 2007 BF_{63}	17.8	X	233.00614	262.47930	201.95201	0.83241	0.1352257	0.26480049	2.4017264	20	9 12.9	20.9
273553 2007 BQ_{64}	17.5	X	67.81932	52.88002	285.55887	2.56510	0.1316527	0.27822663	2.3238259	20	—	—
273554 2007 BW_{64}	17.3	X	149.28182	81.65183	152.67615	5.42843	0.0863998	0.26910487	2.3760469	20	12 3.6	20.8
273555 2007 BW_{65}	17.6	X	268.37510	244.85699	182.59410	0.76654	0.1536011	0.26436972	2.4043346	20	9 7.3	20.4
273556 2007 BF_{68}	17.1	X	353.88860	269.16402	125.87855	3.64055	0.1634860	0.27608177	2.3358461	20	—	—
273557 2007 BL_{70}	16.3	X	29.89417	172.72534	22.29670	10.95013	0.1168506	0.22820218	2.6520977	20	5 3.3	19.2
273558 2007 BY_{74}	17.6	X	173.24965	62.34239	179.28605	2.21926	0.1604967	0.27512181	2.3412765	20	—	—
273559 2007 BS_{75}	16.9	X	132.40618	270.84147	330.98020	6.32534	0.0786084	0.26892215	2.3771231	20	11 22.2	20.4
273560 2007 BU_{78}	17.4	X	159.47291	145.59527	138.04603	4.68758	0.1436224	0.28454628	2.2892898	20	—	—
273561 2007 BC_{79}	16.9	X	320.82479	336.65373	112.39877	7.99092	0.0683002	0.27717847	2.3296806	20	—	—
273562 2007 BB_{80}	17.7	X	181.10126	244.50194	337.42922	1.64292	0.1431670	0.27305841	2.3530564	20	12 17.2	20.9
273563 2007 BM_{81}	17.3	X	197.99829	161.74602	69.31214	3.26079	0.1256385	0.27996615	2.3141901	20	—	—
273564 2007 BW_{91}	17.9	X	197.91436	27.55887	117.25600	2.93211	0.1557264	0.26516422	2.3995295	20	9 26.2	21.5
273565 2007 BM_{95}	17.8	X	130.09083	345.57451	258.60692	1.54004	0.1784151	0.26825063	2.3810886	20	11 24.6	21.7
273566 2007 BB_{100}	17.0	X	170.99735	280.96956	102.39126	2.98131	0.0671696	0.23696303	2.5863204	20	3 22.7	20.6
273567 2007 BK_{101}	17.2	X	170.45134	96.11800	117.36760	2.08203	0.1171362	0.26933766	2.3746776	20	11 27.3	20.5
273568 2007 BP_{101}	16.8	X	188.32950	79.32927	88.72003	7.27943	0.0519223	0.26644160	2.3918541	20	10 27.7	20.1
273569 2007 CM	17.1	X	298.03380	334.54707	138.64723	6.50052	0.0544554	0.28167729	2.3048084	20	—	—
273570 2007 CK_{2}	17.5	X	109.17383	90.46731	153.48108	4.72536	0.1067132	0.26309010	2.4121245	20	11 3.3	21.0
273571 2007 CS_{3}	16.8	X	224.59451	341.25630	137.52264	6.52823	0.1299507	0.26618910	2.3933665	20	9 25.6	20.1
273572 2007 CM_{4}	17.8	X	218.77507	138.04544	7.71945	1.43084	0.1205334	0.26859806	2.3790349	20	10 23.7	20.9
273573 2007 CY_{8}	17.0	X	131.98648	302.91392	295.78525	4.25766	0.1777511	0.26798822	2.3826427	20	11 18.6	20.8
273574 2007 CP_{10}	17.6	X	257.07293	138.99027	306.62186	1.76568	0.1755172	0.26754294	2.3852856	20	9 12.6	20.4
273575 2007 CY_{14}	17.2	X	147.66907	349.94994	149.95702	6.89730	0.1444349	0.25187892	2.4831798	20	7 29.1	21.2
273576 2007 CY_{15}	16.9	X	183.60126	199.23116	30.40055	5.91015	0.1835551	0.27457238	2.3443987	20	12 25.9	20.5
273577 2007 CY_{17}	17.4	X	227.42635	55.08855	52.34168	2.63363	0.1243269	0.26329792	2.4108550	20	9 13.0	20.6
273578 2007 CN_{20}	17.4	X	299.54604	203.60437	188.19196	0.79286	0.1805678	0.26665714	2.3905651	20	9 5.3	19.5
273579 2007 CS_{21}	17.4	X	205.59840	309.62874	186.04781	3.49704	0.1393993	0.26429929	2.4047617	20	9 22.2	20.8
273580 2007 CN_{22}	17.3	X	176.46840	23.52851	118.52960	3.30961	0.1432452	0.25926270	2.4358060	20	8 31.7	20.9
273581 2007 CQ_{22}	17.4	X	166.84383	59.91945	99.34676	1.48899	0.1349222	0.26023990	2.4297045	20	9 13.5	21.1
273582 2007 CT_{22}	16.6	X	189.77626	355.66503	150.99384	11.34895	0.1672616	0.26231875	2.4168507	20	9 19.8	20.3
273583 2007 CY_{25}	17.0	X	328.76794	71.54939	14.66112	7.23643	0.1025858	0.28245729	2.3005633	20	—	—
273584 2007 CG_{32}	16.4	X	222.47778	8.66817	304.03142	3.86152	0.1385316	0.22958671	2.6414246	20	2 15.6	20.6
273585 2007 CH_{44}	17.2	X	209.19084	356.75996	155.15798	2.84348	0.1633767	0.26815150	2.3816754	20	10 16.6	20.7
273586 2007 CM_{44}	18.0	X	202.39704	228.84033	273.78628	1.65295	0.1757693	0.26508279	2.4000209	20	9 23.8	21.6
273587 2007 CJ_{46}	16.1	X	59.75482	173.11781	90.66564	6.97464	0.1020682	0.25790704	2.4443342	20	10 3.5	19.3
273588 2007 CO_{46}	16.6	X	162.41135	270.83675	325.26715	6.66300	0.1071090	0.27287698	2.3540993	20	12 18.6	20.0
273589 2007 CX_{46}	16.8	X	239.48746	282.53757	193.82293	6.58293	0.0629924	0.26615004	2.3936007	20	10 20.2	19.6
273590 2007 CR_{47}	17.7	X	264.47794	262.19110	152.35508	2.55187	0.2040789	0.26443502	2.4039388	20	8 5.0	20.7
273591 2007 CT_{50}	17.3	X	201.22296	56.36769	134.48482	4.40106	0.1779841	0.27074212	2.3664582	20	11 26.0	20.8
273592 2007 CE_{54}	17.0	X	168.99379	114.61646	51.02100	5.75734	0.1348095	0.25952281	2.4341781	20	9 25.7	20.8
273593 2007 CK_{54}	17.3	X	136.53414	181.32287	346.96699	2.12093	0.1327799	0.25342275	2.4730847	20	8 24.6	21.0
273594 2007 CX_{57}	16.8	X	166.27699	102.68429	81.09844	7.73698	0.0768102	0.26375180	2.4080884	20	10 20.3	20.2
273595 2007 CR_{58}	15.9	X	118.83082	336.69305	119.46491	22.62607	0.0503902	0.23678033	2.5876506	20	5 1.5	20.0
273596 2007 CT_{58}	16.7	X	201.72785	209.76280	37.82128	7.65583	0.1915781	0.27942671	2.3171675	20	—	—
273597 2007 CC_{59}	16.9	X	265.21273	241.58111	220.71063	6.21886	0.0734048	0.26993460	2.3711754	20	11 5.7	19.7
273598 2007 CN_{59}	16.9	X	151.38136	330.74146	228.92924	5.35097	0.1063030	0.26235380	2.4166355	20	10 18.9	20.4
273599 2007 CZ_{59}	17.2	X	183.50770	318.40251	206.75709	4.57349	0.2305255	0.26203293	2.4186079	20	9 30.9	21.1
273600 2007 CO_{60}	17.1	X	321.11576	26.62718	62.58087	7.45267	0.0854654	0.27713054	2.3299492	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
273601 2007 CO_{61}	17.2	X	202.13368	135.99760	22.09660	5.68107	0.1486424	0.26571384	2.3962195	20	10 17.1	20.7
273602 2007 CO_{62}	17.3	X	189.11993	226.37876	249.40010	1.55465	0.1509573	0.25661399	2.4525385	20	8 7.8	21.2
273603 2007 CQ_{62}	17.1	X	172.76900	339.26238	189.29047	6.31052	0.1352410	0.26243814	2.4161177	20	9 30.8	20.6
273604 2007 CA_{63}	17.7	X	215.90050	316.04602	214.43452	1.73394	0.1590732	0.27069113	2.3667553	20	11 17.6	20.6
273605 2007 CY_{63}	17.0	X	175.54880	95.24960	76.35968	2.22784	0.1266040	0.26179104	2.4200975	20	10 9.1	20.5
273606 2007 CK_{64}	16.9	X	188.28192	149.00654	104.13185	8.87375	0.0758138	0.28298216	2.2977178	20	—	—
273607 2007 CO_{64}	17.6	X	275.70172	59.85552	17.51417	2.67178	0.1707311	0.26563798	2.3966757	20	10 1.8	19.9
273608 2007 DF	16.8	X	226.05965	54.59706	76.50708	5.66090	0.1874747	0.26624498	2.3930316	20	10 6.9	20.2
273609 2007 DF_{2}	16.9	X	286.63436	43.13039	56.14920	7.56198	0.0632424	0.27257047	2.3558638	20	12 6.1	19.6
273610 2007 DP_{2}	17.6	X	252.76621	90.43097	44.24713	2.99873	0.1461346	0.27254395	2.3560166	20	11 21.1	20.1
273611 2007 DB_{4}	16.2	X	158.07324	282.45393	299.48295	6.20497	0.0768129	0.26706290	2.3881431	20	11 25.4	19.7
273612 2007 DU_{5}	17.0	X	140.87885	128.83598	138.37649	7.59693	0.1978343	0.27588753	2.3369424	20	—	—
273613 2007 DZ_{11}	17.1	X	345.05564	58.69741	76.14617	5.91887	0.0647647	0.29306661	2.2447009	20	—	—
273614 2007 DZ_{12}	16.8	X	249.87625	160.72096	293.59524	4.20186	0.1508461	0.26561947	2.3967870	20	9 16.8	20.0
273615 2007 DL_{13}	17.0	X	241.70383	343.76334	154.35392	6.83322	0.1064475	0.26996523	2.3709961	20	11 17.6	19.9
273616 2007 DL_{17}	17.1	X	198.55093	201.38433	113.99624	5.86367	0.0499674	0.22342020	2.6898068	20	1 28.2	21.0
273617 2007 DH_{18}	17.2	X	213.24358	196.69760	331.55075	0.85116	0.1226791	0.26878817	2.3779129	20	11 15.5	20.4
273618 2007 DH_{19}	17.5	X	225.04207	8.24488	140.76753	2.14662	0.1284007	0.26812096	2.3818562	20	11 4.9	20.6
273619 2007 DW_{23}	17.3	X	145.61830	67.55217	157.31066	2.72358	0.1717648	0.26311124	2.4119952	20	11 14.8	21.2
273620 2007 DR_{24}	16.8	X	245.74494	209.96653	223.69688	0.75189	0.0607516	0.18345513	3.0674875	20	8 20.1	21.0
273621 2007 DU_{24}	17.5	X	132.86787	266.23169	172.91379	2.29850	0.2256910	0.23930583	2.5694127	20	5 3.9	21.5
273622 2007 DX_{24}	16.9	X	250.02444	0.00530	158.03362	6.68411	0.0521635	0.27465356	2.3439368	20	—	—
273623 2007 DU_{26}	17.3	X	200.67541	147.79905	19.38309	2.53479	0.1477917	0.26536250	2.3983341	20	10 27.1	20.9
273624 2007 DW_{26}	16.6	X	136.44634	23.35227	3.02594	6.32031	0.0872598	0.22449379	2.6812244	20	2 19.8	20.5
273625 2007 DT_{29}	16.9	X	88.39331	42.26766	359.81600	5.83120	0.0338915	0.21676363	2.7445961	20	1 3.4	20.6
273626 2007 DU_{33}	17.1	X	173.05235	276.03001	155.76575	7.85791	0.2514434	0.24471344	2.5314198	20	5 29.8	21.7
273627 2007 DW_{34}	16.7	X	169.85395	282.82698	163.75741	15.07175	0.0962525	0.24331840	2.5410863	20	6 12.7	20.8
273628 2007 DF_{37}	17.6	X	156.68907	15.91788	164.62045	1.42966	0.1346820	0.25702119	2.4499474	20	9 29.9	21.2
273629 2007 DX_{37}	17.4	X	133.97465	252.17438	333.85243	2.17728	0.1255601	0.25981787	2.4323349	20	11 3.4	21.1
273630 2007 DJ_{41}	16.2	X	42.27824	334.74681	326.56646	5.52071	0.1474820	0.25581322	2.4576539	20	10 31.0	19.4
273631 2007 DA_{42}	16.5	X	138.31791	256.77355	323.03977	6.79563	0.0859700	0.26168786	2.4207336	20	10 28.8	20.1
273632 2007 DU_{45}	17.5	X	242.05010	115.75324	310.86717	3.75331	0.1296660	0.26241869	2.4162371	20	8 3.8	20.7
273633 2007 DW_{45}	17.7	X	204.15793	329.50103	174.88887	5.42647	0.1642204	0.26315897	2.4117036	20	9 30.2	21.1
273634 2007 DA_{48}	17.0	X	96.12882	112.11532	343.05468	4.83091	0.1089634	0.23096159	2.6309315	20	3 28.7	20.5
273635 2007 DU_{49}	17.1	X	102.72333	355.90552	116.13589	3.31738	0.1305602	0.23820853	2.5772973	20	5 4.1	20.5
273636 2007 DX_{49}	16.5	X	147.77996	163.36959	67.99741	7.36806	0.0615549	0.26710093	2.3879164	20	11 27.8	19.5
273637 2007 DN_{51}	16.4	X	36.47193	262.12181	325.33831	11.99260	0.1094862	0.24472198	2.5313609	20	7 5.9	19.4
273638 2007 DO_{53}	16.9	X	80.89395	82.39197	182.86087	6.60969	0.0975866	0.25664776	2.4523233	20	10 28.1	20.2
273639 2007 DR_{53}	17.3	X	113.86949	62.37599	190.99234	3.75036	0.1837237	0.25911877	2.4367079	20	11 21.3	21.2
273640 2007 DT_{54}	17.0	X	257.21273	149.78028	171.57504	4.49237	0.1810656	0.23402688	2.6079077	20	3 28.2	21.0
273641 2007 DD_{56}	16.9	X	209.32695	79.82614	98.33435	3.47591	0.0961969	0.26853605	2.3794011	20	11 28.1	19.9
273642 2007 DO_{56}	17.6	X	227.12610	114.96945	334.06650	3.07151	0.1389732	0.25901728	2.4373444	20	8 15.2	21.0
273643 2007 DV_{59}	17.0	X	138.01610	166.62009	46.10961	2.25012	0.1201500	0.26033216	2.4291304	20	10 22.8	20.6
273644 2007 DR_{61}	16.7	X	80.91398	295.96166	350.80876	2.54185	0.0904302	0.26361784	2.4089041	20	11 23.5	20.1
273645 2007 DA_{65}	17.1	X	160.24371	109.01990	158.90216	7.79467	0.0677763	0.27662215	2.3328031	20	—	—
273646 2007 DH_{66}	17.2	X	204.86572	104.65072	353.70073	8.21863	0.1749671	0.25541097	2.4602337	20	8 2.2	21.1
273647 2007 DJ_{71}	17.3	X	85.12882	70.62730	17.64012	3.32092	0.0731572	0.22604203	2.6689672	20	3 2.2	20.6
273648 2007 DN_{74}	17.7	X	201.99659	354.23638	160.32953	2.40045	0.1156077	0.26361886	2.4088979	20	10 16.4	21.1
273649 2007 DO_{74}	17.4	X	91.05468	83.94872	175.92504	1.24990	0.1622254	0.25755926	2.4465341	20	11 6.6	21.2
273650 2007 DP_{75}	17.1	X	203.27224	17.16783	40.10002	1.52188	0.0843033	0.24310722	2.5425577	20	6 9.7	20.9
273651 2007 DJ_{77}	16.7	X	120.14817	193.51830	1.55114	12.22710	0.1058740	0.25362060	2.4717983	20	9 11.7	20.2
273652 2007 DO_{77}	16.7	X	237.47622	325.06069	118.29609	7.04710	0.0983993	0.25799834	2.4437575	20	8 27.2	20.0
273653 2007 DA_{81}	16.9	X	90.18086	242.94682	25.60448	2.11034	0.1902888	0.26016403	2.4301768	20	11 18.3	20.6
273654 2007 DB_{81}	17.2	X	209.94742	292.92070	129.32561	3.34654	0.2227182	0.25177822	2.4838419	20	6 15.8	21.3
273655 2007 DN_{82}	17.2	X	48.39475	153.92974	166.83079	13.83396	0.2634124	0.26081501	2.4261315	20	12 21.3	21.1
273656 2007 DL_{84}	16.7	X	341.60653	23.73992	186.42326	9.02896	0.0910511	0.22121440	2.7076579	20	3 4.8	20.0
273657 2007 DU_{86}	16.6	X	104.85180	113.99388	147.84282	6.31019	0.1512539	0.26434363	2.4044928	20	11 23.9	20.4
273658 2007 DA_{87}	17.7	X	16.92688	210.72283	336.48350	1.10204	0.1521701	0.23218978	2.6216456	20	3 31.4	20.3
273659 2007 DS_{90}	17.1	X	143.38680	126.57969	115.69310	2.90016	0.1745438	0.26576231	2.3959282	20	12 3.9	21.0
273660 2007 DE_{92}	17.7	X	216.76670	82.14532	8.12149	1.47091	0.0795326	0.25543444	2.4600829	20	8 11.3	20.9
273661 2007 DU_{95}	16.6	X	357.27886	161.13010	16.88741	6.84691	0.0500749	0.22497568	2.6773943	20	2 22.0	19.9
273662 2007 DS_{96}	17.7	X	139.68362	349.19920	203.96132	1.19464	0.1704532	0.25566993	2.4585721	20	9 29.3	21.5
273663 2007 DJ_{98}	16.8	X	260.97295	162.03884	145.79033	2.92023	0.0773343	0.23359983	2.6110851	20	3 27.2	20.4
273664 2007 DJ_{99}	17.0	X	222.38027	77.56151	117.04984	2.79059	0.0650272	0.27581007	2.3373799	20	—	—
273665 2007 DH_{100}	17.3	X	168.12732	104.94005	136.16942	2.14882	0.1388290	0.27242213	2.3567189	20	12 28.2	20.6
273666 2007 DE_{103}	17.2	X	122.74388	320.87721	330.85832	4.98372	0.2265111	0.27293682	2.3537553	20	—	—
273667 2007 DV_{106}	17.2	X	276.60102	98.63936	181.95655	3.23242	0.0556965	0.22767855	2.6561625	20	3 13.3	20.6
273668 2007 DA_{110}	17.1	X	9.18973	220.85656	21.66556	2.65963	0.0468494	0.23684121	2.5872072	20	6 3.7	20.1
273669 2007 DK_{110}	16.9	X	51.93177	24.26792	177.49888	6.99772	0.0786780	0.23997349	2.5646447	20	6 16.8	20.1
273670 2007 DR_{112}	16.5	X	212.47029	314.95794	58.97309	2.86065	0.0494653	0.23151474	2.6267392	20	4 26.7	20.2
273671 2007 DZ_{112}	17.5	X	143.11832	155.51664	161.71832	5.65800	0.1818623	0.28333852	2.2957908	20	—	—
273672 2007 DW_{113}	17.3	X	177.06482	292.87377	173.89482	3.75617	0.0222887	0.24711886	2.5149661	20	7 16.9	20.7
273673 2007 EV_{2}	17.0	X	200.17461	126.21847	354.17466	6.30143	0.0626345	0.25619827	2.4551908	20	9 3.2	20.3
273674 2007 ED_{3}	17.1	X	184.68893	342.25579	165.64516	11.31444	0.1661536	0.25874322	2.4390651	20	9 14.6	20.9
273675 2007 EC_{7}	17.5	X	109.21604	82.78179	153.56722	1.54691	0.1566405	0.25722807	2.4486336	20	10 25.6	21.3
273676 2007 EJ_{8}	16.9	X	102.04924	42.05460	176.81689	6.37805	0.0790175	0.25241181	2.4796836	20	9 17.8	20.4
273677 2007 ED_{11}	16.9	X	155.18560	122.84324	45.17712	1.97192	0.1259790	0.25728555	2.4482689	20	9 13.1	20.6
273678 2007 EX_{11}	17.4	X	160.69789	116.81179	79.55215	2.98325	0.1385433	0.26210736	2.4181500	20	10 25.3	21.1
273679 2007 ED_{14}	16.5	X	96.40030	134.10697	0.75778	13.67213	0.2393079	0.23786123	2.5798054	20	6 6.9	20.6
273680 2007 EM_{14}	16.5	X	156.00625	49.89724	31.79190	7.65675	0.2366406	0.24391352	2.5369513	20	5 25.5	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
273681 2007 EB$_{15}$	17.3	X	116.16617	154.61855	160.74724	7.19846	0.1001802	0.27859694	2.3217662	20	—	—
273682 2007 EN$_{16}$	16.0	X	313.85762	217.32318	20.87247	11.96077	0.1352762	0.22464848	2.6799934	20	3 1.0	19.6
273683 2007 EX$_{16}$	16.9	X	127.48190	279.88764	167.31894	13.44910	0.1939865	0.23531603	2.5983743	20	5 8.9	21.1
273684 2007 EG$_{18}$	16.5	X	123.39695	124.70791	105.56482	3.51578	0.1556283	0.25817506	2.4426422	20	11 1.2	20.3
273685 2007 EB$_{22}$	17.3	X	156.49006	300.40783	294.70333	1.53382	0.1484078	0.26965029	2.3728418	20	12 8.1	20.8
273686 2007 ES$_{25}$	16.4	X	238.41588	314.60382	53.55413	3.84403	0.0893106	0.23611576	2.5925038	20	5 15.8	20.0
273687 2007 EG$_{27}$	16.8	X	53.17293	215.27661	21.25089	4.57940	0.1639955	0.24055930	2.5604794	20	8 23.1	19.9
273688 2007 EE$_{30}$	16.6	X	105.87224	105.14326	145.88378	6.71914	0.0949298	0.25960053	2.4336923	20	11 8.2	20.2
273689 2007 ER$_{31}$	17.3	X	186.14861	98.01843	113.99157	2.86033	0.1043312	0.27142480	2.3624885	20	12 13.9	20.6
273690 2007 EW$_{31}$	17.1	X	71.28287	235.74878	134.14368	7.49864	0.1505468	0.28461784	2.2889061	20	—	—
273691 2007 EM$_{32}$	17.5	X	252.73439	222.19887	197.11106	1.66672	0.1922507	0.26005545	2.4308533	20	7 28.4	20.9
273692 2007 EY$_{32}$	17.0	X	133.98085	107.04389	96.16514	3.20755	0.1283052	0.25565201	2.4586870	20	10 7.6	20.8
273693 2007 EJ$_{35}$	16.5	X	312.37649	352.83665	129.90751	7.47463	0.0664825	0.27812079	2.3244154	20	—	—
273694 2007 EE$_{38}$	16.9	X	79.17181	40.84543	205.46927	2.58913	0.0591451	0.25253619	2.4788693	20	9 23.3	20.1
273695 2007 EO$_{39}$	16.6	X	46.67929	225.53102	21.62899	14.05714	0.1196439	0.24396648	2.5365842	20	8 27.0	19.9
273696 2007 EK$_{40}$	17.1	X	106.88229	93.53546	127.26566	4.04707	0.1236233	0.25227220	2.4805984	20	10 1.8	20.7
273697 2007 EN$_{41}$	17.9	X	204.32270	316.08378	174.18255	1.20907	0.1325315	0.26342498	2.4100797	20	9 14.4	21.4
273698 2007 EO$_{41}$	17.2	X	181.30022	70.05317	319.90092	12.42017	0.2010477	0.24243701	2.5472414	20	4 6.3	21.7
273699 2007 EJ$_{42}$	17.0	X	149.76404	48.56756	175.02414	5.46951	0.1180302	0.26177104	2.4202208	20	11 18.5	20.6
273700 2007 EQ$_{42}$	16.5	X	282.01797	346.53275	5.00247	8.08437	0.1088560	0.24163929	2.5528445	20	6 15.4	19.9
273701 2007 ET$_{42}$	17.1	X	63.34110	216.63190	7.84439	5.86551	0.1072603	0.24366427	2.5386811	20	8 12.1	20.3
273702 2007 EG$_{43}$	17.4	X	124.65327	62.26687	147.71819	2.13601	0.1302363	0.25383945	2.4703774	20	10 5.8	21.2
273703 2007 EK$_{45}$	16.1	X	247.68109	273.44242	13.05719	7.83245	0.0514641	0.21912944	2.7248058	20	2 19.8	20.1
273704 2007 EA$_{47}$	16.1	X	247.81490	13.02253	8.02174	4.99382	0.1705614	0.24060369	2.5601644	20	6 2.5	19.9
273705 2007 EA$_{52}$	17.2	X	91.70854	155.92958	314.26218	4.14740	0.2288311	0.23452309	2.6042278	20	4 29.1	20.9
273706 2007 EB$_{58}$	17.5	X	10.79209	47.76198	322.63495	1.69678	0.2293008	0.27694522	2.3309885	20	—	—
273707 2007 EQ$_{59}$	16.9	X	149.22409	107.57035	87.87485	3.41750	0.1409771	0.25831236	2.4417766	20	10 13.1	20.7
273708 2007 EB$_{63}$	17.0	X	91.13423	287.91498	162.52348	11.86957	0.1555611	0.22926514	2.6438940	20	3 26.3	20.4
273709 2007 EB$_{65}$	16.4	X	112.23031	350.00572	28.95043	5.46167	0.0845719	0.21474504	2.7617686	20	1 12.9	20.1
273710 2007 EQ$_{65}$	16.2	X	195.61285	321.19138	31.98996	6.56113	0.0639476	0.22557153	2.6726773	20	3 13.8	20.1
273711 2007 EW$_{65}$	17.4	X	140.59217	164.04298	118.56833	3.91689	0.2296977	0.26882498	2.3776959	20	—	—
273712 2007 EJ$_{68}$	17.1	X	68.11035	300.99471	26.50393	2.32717	0.2388260	0.26565044	2.3966007	20	—	—
273713 2007 EJ$_{69}$	17.2	X	185.30239	354.50789	164.81754	6.73067	0.0791246	0.25831319	2.4417714	20	10 6.9	20.7
273714 2007 EE$_{74}$	17.4	X	166.82579	156.63857	308.37249	1.26659	0.0825427	0.24367903	2.5385785	20	7 2.2	20.9
273715 2007 EC$_{75}$	17.0	X	111.61761	329.53152	281.14325	0.62466	0.1518923	0.25743441	2.4473250	20	11 13.7	20.8
273716 2007 EJ$_{78}$	17.5	X	25.37023	100.96196	137.95973	2.47546	0.1421147	0.23788628	2.5796243	20	7 4.8	20.1
273717 2007 ES$_{80}$	17.1	X	128.07188	163.15331	161.22347	6.66042	0.1301822	0.28548967	2.2842438	20	—	—
273718 2007 ES$_{84}$	16.0	X	22.45515	347.72043	137.37523	14.55624	0.1167669	0.21972772	2.7198575	20	1 16.4	19.1
273719 2007 ED$_{85}$	16.1	X	329.12577	277.13209	351.67275	12.64861	0.1498717	0.23087866	2.6315615	20	4 22.2	19.2
273720 2007 EU$_{85}$	15.8	X	297.36610	266.20949	33.66643	15.59909	0.0522830	0.23193039	2.6236000	20	5 4.2	19.1
273721 2007 EF$_{89}$	17.4	X	73.32990	139.52897	118.48853	2.08683	0.1480028	0.25582935	2.4575506	20	10 15.6	20.8
273722 2007 EZ$_{90}$	17.2	X	94.96553	117.25511	172.70126	6.50416	0.1111245	0.26465752	2.4025912	20	12 15.7	20.9
273723 2007 EV$_{91}$	17.2	X	121.31730	300.52944	271.69441	1.28193	0.1575418	0.25718012	2.4489380	20	10 5.6	21.1
273724 2007 EA$_{92}$	17.3	X	305.24042	139.18189	269.35476	1.60220	0.1975368	0.26886047	2.3774866	20	10 13.6	19.0
273725 2007 ED$_{92}$	16.6	X	200.02622	4.55494	310.46082	4.40266	0.0480418	0.22270361	2.6955737	20	1 29.1	20.5
273726 2007 EE$_{92}$	17.1	X	135.07602	19.96588	166.97342	7.21312	0.0653346	0.25681528	2.4512568	20	9 14.3	20.5
273727 2007 EQ$_{92}$	17.4	X	248.63659	278.36499	167.72447	6.24526	0.0884940	0.26278475	2.4139926	20	9 15.8	20.4
273728 2007 ET$_{97}$	17.5	X	251.76387	81.46303	25.47362	2.73949	0.1775956	0.26822867	2.3812185	20	10 6.0	20.4
273729 2007 EB$_{98}$	17.2	X	57.54450	328.92409	157.88080	5.59623	0.0542678	0.22694005	2.6619217	20	3 10.9	20.6
273730 2007 EQ$_{98}$	17.2	X	129.83656	197.08075	48.83398	1.63970	0.1308434	0.26244250	2.4160909	20	11 25.3	21.0
273731 2007 EO$_{99}$	17.2	X	39.36891	107.67286	359.14524	4.84440	0.0745011	0.21948584	2.7218554	20	1 21.1	20.6
273732 2007 EM$_{103}$	16.3	X	105.10368	347.48727	14.83812	3.66899	0.1050792	0.21032846	2.8002965	20	—	—
273733 2007 EK$_{104}$	16.8	X	215.38036	159.02419	157.70529	2.85196	0.0487737	0.22234780	2.6984486	20	2 17.2	20.7
273734 2007 EL$_{106}$	15.3	X	124.06164	63.01029	104.13659	6.12783	0.0748911	0.17433177	3.1735963	20	7 31.1	19.9
273735 2007 EF$_{110}$	17.1	X	79.72132	189.26679	101.55595	3.22443	0.1995401	0.25642983	2.4537126	20	12 6.7	21.0
273736 2007 ET$_{110}$	16.9	X	52.81051	346.25195	160.99254	8.40932	0.1385781	0.22776349	2.6555021	20	4 12.7	19.9
273737 2007 EG$_{112}$	16.5	X	252.56802	11.16517	18.88897	14.82931	0.1091081	0.24369782	2.5384481	20	6 30.3	20.3
273738 2007 EP$_{112}$	17.0	X	98.29229	347.72175	186.67553	7.30797	0.0732169	0.24035394	2.5619376	20	7 11.6	20.6
273739 2007 EB$_{113}$	17.7	X	186.49129	271.14659	209.46065	1.81305	0.1603293	0.25736570	2.4477606	20	8 11.0	21.4
273740 2007 EU$_{114}$	16.4	X	240.00475	234.39163	47.55898	6.33926	0.0339584	0.21550429	2.7552780	20	2 6.8	20.4
273741 2007 EA$_{115}$	16.9	X	225.26327	182.81327	160.76769	6.40540	0.0386037	0.22553195	2.6729900	20	4 4.8	20.6
273742 2007 EY$_{116}$	16.4	X	273.34692	266.89055	69.38718	7.31218	0.0780256	0.23230882	2.6207499	20	5 19.2	19.9
273743 2007 EZ$_{118}$	16.9	X	348.52189	143.31447	138.53908	2.48830	0.0815533	0.23681020	2.5874330	20	6 27.4	19.8
273744 2007 EG$_{120}$	16.8	X	116.60854	300.00545	163.08923	6.33900	0.1622143	0.23129736	2.6283847	20	5 13.4	20.7
273745 2007 EB$_{121}$	17.5	X	140.23686	234.76590	15.19835	1.42858	0.1529315	0.26783937	2.3835253	20	12 10.8	21.2
273746 2007 ET$_{126}$	17.1	X	355.68760	60.26884	189.95434	0.60897	0.1267946	0.24002243	2.5642960	20	5 23.2	19.5
273747 2007 EG$_{128}$	16.8	X	209.03718	289.19301	340.65476	3.77043	0.0287389	0.21203138	2.7852827	20	—	—
273748 2007 EL$_{130}$	17.3	X	334.08635	203.98732	358.85765	4.18879	0.0616948	0.22322882	2.6913439	20	2 18.9	20.7
273749 2007 EX$_{134}$	17.0	X	168.48991	162.84476	199.49423	2.07642	0.0688863	0.22357493	2.6885657	20	2 21.6	20.8
273750 2007 EL$_{135}$	17.2	X	307.16155	68.58226	191.78260	1.85817	0.0697468	0.22860654	2.6489695	20	3 24.9	20.5
273751 2007 EV$_{138}$	17.1	X	117.34042	114.52309	115.48599	3.31742	0.1573730	0.25690432	2.4506903	20	10 26.2	21.0
273752 2007 EZ$_{138}$	16.9	X	260.16603	153.71178	114.85874	4.04154	0.0621114	0.22122505	2.7075710	20	2 8.3	20.8
273753 2007 ER$_{139}$	17.0	X	278.26229	43.94286	31.62538	3.70205	0.1685846	0.26522289	2.3991757	20	10 4.6	19.4
273754 2007 EA$_{141}$	16.7	X	141.99170	162.68804	207.73481	5.69777	0.0340766	0.21757907	2.7377344	20	1 28.3	20.6
273755 2007 EE$_{143}$	17.1	X	143.32096	226.79891	269.49542	3.08436	0.0264319	0.24417510	2.5351391	20	7 13.6	20.4
273756 2007 EU$_{144}$	16.9	X	341.24214	272.04463	27.56018	4.45419	0.1686552	0.24224719	2.5485719	20	7 8.8	19.3
273757 2007 EV$_{144}$	16.7	X	351.66183	291.99807	42.75475	2.81299	0.2001999	0.25343062	2.4730334	20	10 3.8	18.6
273758 2007 ET$_{145}$	16.8	X	39.77155	70.76783	148.41315	5.64756	0.0362202	0.24043268	2.5613782	20	6 17.4	20.1
273759 2007 EG$_{146}$	17.3	X	0.82244	139.33058	45.23941	3.18412	0.1292265	0.22543573	2.6737505	20	2 29.5	20.2
273760 2007 EZ$_{146}$	16.6	X	5.41644	78.60844	35.46132	4.53718	0.0180615	0.21238175	2.7822186	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
273761 2007 EP_{151}	17.5	X	104.81711	154.12559	143.36641	6.18718	0.2013014	0.26664534	2.3906356	20	—	—
273762 2007 EE_{154}	17.1	X	15.33771	232.28872	320.66738	3.94653	0.0857344	0.22821693	2.6519834	20	4 3.9	20.1
273763 2007 EW_{155}	16.5	X	343.89979	2.39507	293.63241	4.87986	0.2268866	0.23800603	2.5787589	20	7 5.6	18.3
273764 2007 EH_{159}	17.1	X	89.54269	140.96063	138.56496	3.02047	0.1996826	0.26415894	2.4056135	20	12 3.3	20.9
273765 2007 EP_{162}	17.6	X	91.52847	35.48010	257.35137	1.98877	0.1645558	0.26814868	2.3816920	20	12 19.4	21.1
273766 2007 EH_{166}	16.8	X	156.58663	24.45131	182.26070	6.88534	0.0511236	0.26150643	2.4218531	20	11 6.8	20.2
273767 2007 EW_{167}	17.3	X	0.12790	262.27908	36.61552	4.48283	0.1573713	0.24231475	2.5480981	20	8 20.8	19.7
273768 2007 EK_{169}	17.1	X	346.48916	261.01994	46.97367	3.43630	0.2082410	0.23926934	2.5696739	20	8 4.6	19.1
273769 2007 EW_{170}	17.0	X	177.30201	346.75925	357.67560	4.91580	0.0631528	0.22469980	2.6795854	20	2 10.8	21.0
273770 2007 EB_{180}	16.9	X	304.15509	75.43534	210.98349	6.74948	0.0995065	0.22829654	2.6513669	20	4 20.3	20.3
273771 2007 EU_{181}	16.7	X	270.59451	122.27459	216.58041	3.13154	0.0785335	0.23219899	2.6215763	20	5 18.7	20.2
273772 2007 EM_{182}	16.9	X	34.74293	2.59033	223.92662	3.45271	0.0492327	0.23613613	2.5923547	20	6 21.2	20.0
273773 2007 EK_{191}	16.8	X	64.63390	121.94952	43.01742	2.01753	0.0367468	0.23186387	2.6241017	20	5 8.4	20.2
273774 2007 ED_{192}	16.7	X	21.47020	357.52118	233.44611	6.55078	0.2214133	0.23413624	2.6070956	20	6 24.3	19.0
273775 2007 EE_{196}	17.1	X	69.02761	82.99156	193.32626	4.15546	0.0520066	0.25411907	2.4685649	20	10 20.9	20.2
273776 2007 ET_{198}	16.7	X	155.84126	147.67291	37.35811	23.81601	0.2037010	0.25876325	2.4389392	20	10 11.2	20.9
273777 2007 EF_{202}	17.0	X	178.90334	171.99409	14.81720	2.41960	0.1465932	0.26509080	2.3999726	20	10 29.6	20.5
273778 2007 EH_{207}	16.8	X	140.50244	84.32609	181.81622	7.54250	0.1505726	0.26991614	2.3712835	20	12 30.9	20.6
273779 2007 EY_{209}	16.7	X	183.84764	342.37631	132.94570	7.53217	0.0976156	0.25481128	2.4640922	20	8 4.6	20.3
273780 2007 EH_{211}	16.1	X	23.42415	145.95235	115.98759	9.84901	0.1924789	0.24388466	2.5371515	20	8 15.5	18.6
273781 2007 EP_{219}	16.8	X	169.61836	337.10541	141.64111	7.07534	0.1459556	0.24484240	2.5305308	20	7 22.9	20.7
273782 2007 EU_{220}	17.3	X	40.86662	108.61338	173.20904	4.81433	0.2241562	0.24363441	2.5388885	20	10 16.3	20.5
273783 2007 EY_{220}	15.8	X	90.76229	280.20193	41.34654	2.99947	0.1418269	0.19113316	2.9847779	20	—	—
273784 2007 ED_{222}	16.0	X	203.12727	263.84655	89.55192	3.37798	0.1114186	0.22037110	2.7145611	20	3 21.4	20.3
273785 2007 EQ_{223}	17.2	X	15.48322	312.03501	295.83222	1.68070	0.2165194	0.23484269	2.6018645	20	7 7.5	19.4
273786 2007 FN	16.4	X	55.29345	299.18389	13.86467	5.34935	0.1818219	0.25951310	2.4342389	20	12 7.9	19.9
273787 2007 FX	16.9	X	16.42201	243.11939	50.04261	5.44451	0.1323927	0.24455674	2.5325010	20	9 10.9	19.6
273788 2007 FT_{2}	16.5	X	134.80157	98.04654	92.67813	11.09079	0.1327607	0.25405651	2.4689701	20	9 26.8	20.5
273789 2007 FO_{4}	16.8	X	55.12202	278.40325	5.38530	16.05282	0.2731859	0.24880175	2.5036124	20	11 5.0	20.8
273790 2007 FW_{4}	16.8	X	353.21246	9.44816	322.30961	5.37102	0.1259450	0.25765091	2.4459538	20	9 22.1	19.2
273791 2007 FG_{7}	15.9	X	246.00632	226.00209	23.81665	6.18752	0.0364470	0.21214785	2.7842632	20	1 3.8	19.9
273792 2007 FJ_{11}	16.7	X	11.10156	349.45426	249.13642	4.45749	0.2150825	0.23165236	2.6256987	20	6 10.7	18.6
273793 2007 FU_{11}	17.5	X	155.72504	242.32519	31.42265	3.10353	0.1795654	0.27562690	2.3384154	20	—	
273794 2007 FW_{15}	15.8	X	193.98210	139.16233	337.60441	4.90167	0.0932151	0.17825505	3.1268580	20	8 12.6	20.5
273795 2007 FN_{17}	16.6	X	57.40050	337.71505	250.97752	5.12612	0.1727541	0.24161751	2.5529978	20	8 15.3	19.9
273796 2007 FM_{18}	16.9	X	108.00721	116.43513	166.55086	7.83584	0.1066586	0.26756042	2.3851817	20	12 20.6	20.5
273797 2007 FV_{18}	17.2	X	274.94602	116.77389	164.56959	3.26015	0.0722127	0.22783111	2.6549766	20	3 10.4	20.9
273798 2007 FT_{19}	17.7	X	145.53155	277.14740	189.20306	2.07409	0.1746550	0.24281779	2.5445777	20	6 15.1	21.7
273799 2007 FW_{21}	16.7	X	12.49943	251.41910	14.71052	7.41306	0.1704504	0.23913480	2.5706377	20	7 27.9	19.3
273800 2007 FH_{22}	17.5	X	32.82173	83.51925	181.10650	10.69156	0.1941428	0.24250927	2.5467354	20	9 2.2	20.4
273801 2007 FG_{23}	16.9	X	111.86866	174.37940	103.42023	2.42438	0.1572931	0.26210656	2.4181549	20	12 18.2	20.5
273802 2007 FG_{24}	17.3	X	136.03089	48.26380	172.58356	4.93323	0.0476235	0.25861867	2.4398482	20	10 31.2	20.6
273803 2007 FX_{24}	17.2	X	164.76853	84.28029	41.33827	0.68438	0.0246351	0.24584615	2.5236383	20	7 27.7	20.6
273804 2007 FB_{26}	17.3	X	68.50141	121.30440	170.44616	7.50570	0.2137032	0.25859352	2.4400064	20	11 30.1	21.1
273805 2007 FU_{26}	17.0	X	280.18704	345.66713	0.28416	3.02405	0.1361801	0.23917044	2.5703823	20	5 31.4	20.2
273806 2007 FK_{27}	17.5	X	152.26122	259.18219	183.58059	4.59610	0.0660032	0.23864325	2.5741664	20	5 16.8	21.1
273807 2007 FE_{28}	18.0	X	83.66489	57.77413	197.23402	2.09548	0.1620701	0.25447316	2.4662744	20	10 23.4	21.6
273808 2007 FQ_{28}	17.4	X	171.85591	211.15683	335.00965	2.02610	0.1201257	0.26156067	2.4215183	20	10 22.4	21.0
273809 2007 FM_{31}	16.8	X	206.02303	205.56384	188.95206	3.24541	0.0724702	0.23336000	2.6128738	20	5 15.1	20.5
273810 2007 FL_{32}	17.4	X	78.88266	44.10720	181.55222	5.01115	0.1595954	0.24376553	2.5379780	20	9 7.5	21.1
273811 2007 FQ_{32}	16.8	X	33.63649	42.51459	165.05684	2.26726	0.0317277	0.23151531	2.6267349	20	5 22.6	20.0
273812 2007 FX_{32}	16.3	X	54.19565	17.65130	195.24884	9.08878	0.1199289	0.23686988	2.5869984	20	7 10.7	19.6
273813 2007 FU_{37}	16.8	X	49.79000	226.43113	19.12534	11.94813	0.2482735	0.24019567	2.5630629	20	9 15.5	20.2
273814 2007 FL_{38}	16.2	X	17.01735	222.54191	32.72076	12.69587	0.2357210	0.23511533	2.5998527	20	7 31.9	18.9
273815 2007 FS_{38}	16.1	X	358.54789	90.86391	148.81345	11.15041	0.1676385	0.22929125	2.6436933	20	5 16.1	18.9
273816 2007 FA_{39}	16.2	X	58.89747	223.26779	11.52237	15.12153	0.1226095	0.24086344	2.5583235	20	8 27.1	19.7
273817 2007 FM_{45}	17.1	X	318.26878	177.34653	355.24060	3.56998	0.0804377	0.21369074	2.7708451	20	—	—
273818 2007 FF_{48}	17.2	X	49.51085	1.98956	232.19537	4.54640	0.2218601	0.23984904	2.5655317	20	8 19.7	20.3
273819 2007 GY_{7}	17.0	X	66.50484	273.73747	18.51834	1.62448	0.1779661	0.25483464	2.4639416	20	11 22.8	20.6
273820 2007 GY_{8}	16.5	X	341.16515	300.66278	205.63171	3.19460	0.0414637	0.20939967	2.8085709	20	—	—
273821 2007 GP_{12}	17.0	X	269.42857	276.65114	143.74895	6.42229	0.1141148	0.25682408	2.4512008	20	9 5.4	19.9
273822 2007 GE_{19}	15.6	X	114.70982	119.49684	35.61787	13.28700	0.0992802	0.23778792	2.5803356	20	7 12.2	19.6
273823 2007 GC_{20}	16.6	X	337.70501	258.48853	24.18938	8.74218	0.1129280	0.23208523	2.6224328	20	6 5.9	19.6
273824 2007 GL_{21}	16.7	X	181.61391	276.40787	204.80242	5.49850	0.1529614	0.24611175	2.5218223	20	8 5.4	20.8
273825 2007 GT_{21}	15.9	X	24.76746	177.52925	42.25632	13.37632	0.0948950	0.23042490	2.6350151	20	5 28.5	19.0
273826 2007 GV_{21}	16.3	X	131.30571	237.93731	53.57515	4.09942	0.0985062	0.18974915	2.9992741	20	—	—
273827 2007 GZ_{21}	17.3	X	28.20145	80.21512	209.23204	4.36228	0.1364412	0.24273170	2.5451793	20	9 21.2	20.2
273828 2007 GF_{22}	17.3	X	97.23678	93.39323	47.76212	5.53465	0.2088063	0.23360802	2.6110242	20	6 14.2	21.1
273829 2007 GQ_{22}	17.0	X	248.46103	271.58777	64.34011	2.10715	0.1223672	0.22454055	2.6808522	20	4 13.1	20.8
273830 2007 GS_{22}	16.7	X	1.82450	83.58996	202.84901	4.02307	0.2813476	0.23475629	2.6025029	20	8 12.3	18.4
273831 2007 GZ_{22}	17.1	X	81.37569	297.15155	202.04455	6.00295	0.2211037	0.23114892	2.6295098	20	5 26.5	20.6
273832 2007 GB_{23}	16.7	X	5.75006	228.28224	39.35767	7.75265	0.1855221	0.23389723	2.6088713	20	7 14.9	19.2
273833 2007 GM_{23}	16.5	X	156.23631	245.51291	219.71837	8.32370	0.1256857	0.23597260	2.5935522	20	6 21.4	20.5
273834 2007 GO_{25}	16.3	X	354.11046	351.66968	267.01992	4.26308	0.2037605	0.23099379	2.6306870	20	5 30.5	18.6
273835 2007 GM_{27}	15.9	X	8.33930	359.38860	224.03268	11.97429	0.1219299	0.22606584	2.6687799	20	5 8.0	18.7
273836 Hoijyusek	15.6	X	85.44555	226.10264	64.91410	7.58667	0.1796977	0.18107897	3.0942641	20	11 27.4	20.3
273837 2007 GK_{31}	16.1	X	60.51640	187.12077	57.57558	6.79255	0.1811885	0.24110752	2.5565966	20	9 17.8	19.6
273838 2007 GP_{31}	17.0	X	61.55557	355.95501	183.59916	5.38738	0.0289267	0.23711929	2.5851840	20	5 24.2	20.3
273839 2007 GM_{37}	16.4	X	130.99516	182.18205	151.20831	2.74922	0.1150056	0.20048860	2.8911875	20	—	—
273840 2007 GN_{38}	16.6	X	155.76154	216.54133	66.20987	2.85242	0.0732562	0.19637878	2.9313860	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
273841 2007 GN_{39}	16.4	X	124.78963	187.94031	206.47220	3.30968	0.1039219	0.21340476	2.7733200	20	2 16.7	20.4
273842 2007 GC_{41}	17.0	X	2.07449	205.18400	38.20359	4.51764	0.1446286	0.22999581	2.6382914	20	5 24.8	19.5
273843 2007 GE_{41}	16.9	X	61.99157	176.92155	41.85397	3.36009	0.0321993	0.23851288	2.5751043	20	7 19.2	20.3
273844 2007 GZ_{41}	16.8	X	270.33067	118.77220	180.44457	0.59561	0.2371461	0.21864039	2.7288676	20	3 8.6	21.1
273845 2007 GG_{42}	16.7	X	20.97206	147.77035	28.33009	5.52722	0.0890234	0.22304162	2.6928497	20	3 24.9	19.7
273846 2007 GO_{42}	17.3	X	61.70192	35.21141	217.16448	0.80228	0.0339689	0.24561107	2.5252483	20	9 3.5	20.5
273847 2007 GZ_{42}	16.7	X	261.95584	295.92496	28.60007	5.74697	0.1652545	0.22394457	2.6856064	20	4 8.4	20.7
273848 2007 GO_{44}	17.4	X	332.39085	201.16031	93.11053	2.35297	0.1251343	0.23259951	2.6185660	20	6 13.9	20.1
273849 2007 GZ_{44}	17.2	X	66.70909	19.71715	192.16088	5.26752	0.0601368	0.23770705	2.5809208	20	7 18.5	20.6
273850 2007 GE_{45}	16.2	X	212.37955	258.15285	198.95028	7.64081	0.1119048	0.24615094	2.5215547	20	8 8.1	20.1
273851 2007 GB_{46}	16.4	X	301.33538	239.20076	65.46153	2.99509	0.1937408	0.22622856	2.6675000	20	4 26.9	19.7
273852 2007 GD_{47}	16.5	X	210.31913	156.57826	178.53116	5.69698	0.0671666	0.21543628	2.7558579	20	3 5.2	20.5
273853 2007 GL_{47}	16.4	X	78.42605	291.93220	222.43673	12.31230	0.1052625	0.22904704	2.6455721	20	5 24.8	19.8
273854 2007 GH_{48}	16.4	X	52.92174	204.11570	58.28468	6.68320	0.1567602	0.24243464	2.5472580	20	9 27.9	19.8
273855 2007 GK_{48}	15.7	X	316.97219	250.85061	52.79414	13.57940	0.2777604	0.22712319	2.6604906	20	5 6.7	18.5
273856 2007 GR_{50}	16.5	X	225.01299	128.35141	218.71406	11.99178	0.1767885	0.22083087	2.7107920	20	3 27.7	21.1
273857 2007 GL_{53}	16.9	X	72.62623	288.80046	214.16849	2.34264	0.0453257	0.22722333	2.6597088	20	4 21.2	20.1
273858 2007 GP_{53}	16.9	X	298.64346	283.07083	46.00113	6.86528	0.1482186	0.23191984	2.6236795	20	6 1.8	20.0
273859 2007 GD_{58}	17.0	X	302.68392	181.76682	124.42559	4.00040	0.1134147	0.23107293	2.6300864	20	5 14.6	20.2
273860 2007 GS_{59}	17.2	X	338.46226	347.43706	314.48946	1.34519	0.1950038	0.23437011	2.6053609	20	7 2.9	19.3
273861 2007 GK_{60}	16.5	X	12.83123	265.51931	243.23595	3.56871	0.0961440	0.21605863	2.7505632	20	2 1.7	19.6
273862 2007 GF_{64}	16.7	X	203.29629	194.71042	53.94513	2.91424	0.0590467	0.19765313	2.9187725	20	—	—
273863 2007 GK_{64}	16.3	X	71.76029	310.34361	219.52369	10.82791	0.1307737	0.23200177	2.6230617	20	6 9.5	19.8
273864 2007 GP_{67}	16.8	X	38.59941	149.13381	30.61375	7.51348	0.1628143	0.22736914	2.6585716	20	5 3.7	19.5
273865 2007 GB_{68}	17.2	X	69.51359	307.52769	181.07479	8.38212	0.2818629	0.22645534	2.6657188	20	5 6.9	20.5
273866 2007 GU_{70}	16.2	X	76.57360	65.47615	28.32811	5.55652	0.0160715	0.22058789	2.7127823	20	2 21.3	19.8
273867 2007 GO_{72}	16.9	X	90.66638	312.91696	6.13209	5.67459	0.2016622	0.26852125	2.3794885	20	—	—
273868 2007 GW_{72}	15.5	X	245.12533	43.07846	52.46924	9.34173	0.0520689	0.18091062	3.0961833	20	9 21.9	20.0
273869 2007 GK_{73}	15.4	X	246.51754	223.68043	75.26256	14.39992	0.1791769	0.21433975	2.7652490	20	2 27.4	20.1
273870 2007 GP_{74}	15.9	X	345.78509	35.20649	131.62455	13.79961	0.0774225	0.21375872	2.7702576	20	1 18.2	19.4
273871 2007 GD_{75}	16.5	X	14.24591	214.94610	75.93332	5.55621	0.0828008	0.24009362	2.5637892	20	8 27.6	19.5
273872 2007 GK_{75}	16.3	X	339.24237	275.52247	47.90188	14.62112	0.2030888	0.23753731	2.5821501	20	8 18.9	18.9
273873 2007 GC_{76}	16.4	X	170.29384	343.81309	61.46062	4.63788	0.1159401	0.22361715	2.6882272	20	4 21.3	20.4
273874 2007 GO_{76}	16.4	X	116.40185	71.38547	21.31789	5.09541	0.0325146	0.22464282	2.6800384	20	4 11.2	19.7
273875 2007 HM	16.5	X	256.69223	95.74061	176.49976	8.13076	0.1500415	0.21359158	2.7717026	20	1 30.6	21.0
273876 2007 HM_{3}	15.8	X	336.89878	262.84562	51.55253	11.87008	0.3140778	0.23229629	2.6208441	20	7 9.6	17.6
273877 2007 HU_{5}	16.9	X	85.00900	41.08024	141.30357	5.72270	0.1851339	0.24041632	2.5614945	20	7 22.2	20.4
273878 2007 HN_{6}	16.1	X	59.66139	7.29656	201.36741	8.62835	0.0580244	0.23647042	2.5899110	20	7 3.5	19.5
273879 2007 HQ_{7}	16.4	X	346.01288	188.73292	75.02671	10.37511	0.1256495	0.23199810	2.6230894	20	5 25.7	19.1
273880 2007 HD_{11}	16.6	X	37.71185	144.80479	73.88840	4.59384	0.1802100	0.23299138	2.6156290	20	7 3.2	19.3
273881 2007 HD_{12}	17.1	X	200.21513	248.12135	215.86477	2.54281	0.0746020	0.24345122	2.5401620	20	8 7.8	20.8
273882 2007 HG_{12}	17.0	X	351.14069	264.29749	17.87842	3.40806	0.0778064	0.23652889	2.5894841	20	7 2.9	19.9
273883 2007 HF_{13}	15.5	X	324.67744	266.46531	48.37048	27.40922	0.2440434	0.23299085	2.6156330	20	6 6.9	18.3
273884 2007 HG_{14}	16.9	X	70.17134	354.30614	165.58565	2.77604	0.1271852	0.23212272	2.6221505	20	5 24.3	20.1
273885 2007 HV_{15}	16.2	X	13.63744	185.63133	72.02904	6.36167	0.1452232	0.23416883	2.6068537	20	7 11.4	18.8
273886 2007 HS_{20}	16.1	X	304.70811	306.80182	34.91284	18.48481	0.2414028	0.23489521	2.6014767	20	6 11.5	19.3
273887 2007 HD_{26}	17.1	X	346.53797	241.87883	54.23037	13.50363	0.1661610	0.23393638	2.6085803	20	7 15.8	19.8
273888 2007 HH_{26}	16.8	X	265.89817	74.71180	189.03810	3.87995	0.1550207	0.21190877	2.7863570	20	1 29.7	21.2
273889 2007 HO_{27}	16.3	X	322.94717	144.04644	206.20049	3.50430	0.3273072	0.23638203	2.5905566	20	7 24.6	17.9
273890 2007 HW_{27}	15.9	X	56.93961	227.55419	60.85297	7.51158	0.1724639	0.17153351	3.2080175	20	10 25.2	20.5
273891 2007 HG_{28}	16.8	X	111.42382	329.28668	197.11812	1.99307	0.1374403	0.23864178	2.5741770	20	7 25.0	20.6
273892 2007 HL_{31}	16.7	X	62.90250	212.19242	15.66523	5.96320	0.0808741	0.24082270	2.5586120	20	8 11.9	20.0
273893 2007 HL_{33}	16.0	X	115.34722	91.55894	50.83256	12.42381	0.1168177	0.23539829	2.5977689	20	6 25.2	19.9
273894 2007 HT_{33}	15.7	X	32.98070	343.09514	34.28402	9.74155	0.0762502	0.18957844	3.0010743	20	12 31.5	19.9
273895 2007 HV_{35}	16.7	X	308.93689	254.28478	54.53421	3.63284	0.1020345	0.23032734	2.6357591	20	5 28.2	19.9
273896 2007 HZ_{37}	17.1	X	88.02691	79.66893	135.91597	4.22644	0.0577494	0.24599493	2.5226207	20	8 23.9	20.4
273897 2007 HN_{43}	16.2	X	301.90011	140.45948	162.59336	4.71581	0.1177073	0.22881569	2.6473550	20	5 8.6	19.5
273898 2007 HY_{44}	16.8	X	232.56465	191.94105	184.42470	2.75595	0.0198699	0.23397233	2.6083131	20	5 27.9	20.3
273899 2007 HV_{45}	17.0	X	69.57091	9.44843	157.59688	1.84812	0.0177717	0.23007604	2.6376780	20	5 16.2	20.4
273900 2007 HQ_{47}	16.2	X	202.81759	97.70548	135.62032	2.80905	0.0249130	0.19539191	2.9412481	20	—	—
273901 2007 HM_{48}	17.3	X	52.73311	198.16812	66.64852	4.15342	0.1995277	0.24336675	2.5407497	20	10 6.1	20.7
273902 2007 HR_{48}	16.5	X	169.24071	308.53965	190.15698	4.09768	0.0695862	0.24606889	2.5221151	20	8 18.1	20.2
273903 2007 HU_{50}	16.6	X	273.30921	23.20212	191.18238	6.97201	0.0485424	0.20552372	2.8437718	20	—	—
273904 2007 HT_{51}	16.9	X	118.95340	358.76967	156.17039	3.85903	0.1260702	0.23897399	2.5717908	20	7 17.1	20.7
273905 2007 HU_{51}	17.2	X	53.09005	147.83532	118.64408	2.97749	0.1680928	0.24367029	2.5386393	20	10 3.6	20.5
273906 2007 HD_{54}	16.3	X	188.24524	182.50603	166.34204	6.64860	0.0492254	0.21955754	2.7212628	20	2 26.6	20.2
273907 2007 HT_{57}	16.8	X	340.81932	145.88943	160.92063	5.51666	0.0720293	0.23567470	2.5957373	20	7 20.2	19.7
273908 2007 HG_{59}	16.2	X	16.54481	19.57533	40.27603	6.21505	0.0762620	0.19891233	2.9064414	20	—	—
273909 2007 HV_{59}	16.8	X	347.52293	209.80227	65.91482	2.61248	0.1664560	0.23225850	2.6211285	20	6 13.2	19.1
273910 2007 HF_{62}	16.1	X	347.68281	20.86918	32.98492	11.36692	0.1010697	0.19323235	2.9631217	20	12 16.8	20.0
273911 2007 HM_{65}	15.5	X	75.63852	186.84364	109.64146	10.70697	0.0937658	0.17943702	3.1131116	20	11 17.5	20.2
273912 2007 HS_{65}	16.9	X	70.62129	47.88522	185.11136	12.76415	0.2220045	0.24173040	2.5522029	20	9 15.2	20.6
273913 2007 HB_{71}	16.4	X	60.69800	51.66152	71.09657	9.91403	0.1221467	0.21971509	2.7199617	20	3 24.7	19.8
273914 2007 HT_{71}	16.9	X	66.13547	33.01631	196.01348	3.86933	0.1126785	0.24110028	2.5566478	20	8 19.2	20.1
273915 2007 HG_{73}	16.1	X	148.09793	217.12227	134.51559	2.90399	0.0807161	0.20662759	2.8336346	20	1 20.9	20.3
273916 2007 HX_{73}	16.7	X	52.02801	26.56528	171.17684	12.35569	0.1745218	0.23247800	2.6194783	20	6 25.9	20.1
273917 2007 HB_{74}	15.7	X	352.47329	165.99171	100.11514	12.97453	0.1587740	0.23017659	2.6369098	20	6 10.6	18.2
273918 2007 HE_{76}	17.1	X	72.39339	98.90190	58.27921	4.13488	0.1042177	0.22824247	2.6517856	20	5 19.4	20.5
273919 2007 HP_{77}	16.7	X	55.41849	91.23593	189.31079	8.18255	0.1961899	0.24697033	2.5159743	20	10 29.3	20.1
273920 2007 HL_{78}	16.4	X	287.33745	85.50098	163.05034	10.71924	0.1794621	0.21614956	2.7497918	20	1 29.8	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
273921 2007 HT_{85}	16.3	X	315.17247	245.93586	75.08796	12.28182	0.2071286	0.23133616	2.6280908	20	6 9.5	19.1
273922 2007 HO_{88}	16.4	X	160.26070	334.58516	79.43037	6.40790	0.0525200	0.22392887	2.6857319	20	4 19.8	20.3
273923 2007 HJ_{90}	16.5	X	39.14017	120.19577	150.71440	5.65269	0.1332340	0.23964948	2.5669558	20	9 13.3	19.5
273924 2007 HO_{90}	15.8	X	335.95704	131.58906	166.24739	15.51705	0.1816186	0.23520007	2.5992282	20	6 22.2	18.6
273925 2007 HF_{96}	16.2	X	2.61964	236.04889	76.94516	14.58967	0.1775476	0.24249728	2.5468193	20	9 27.1	19.1
273926 2007 JJ_{1}	17.1	X	99.59570	51.93748	40.34678	5.06002	0.0673744	0.22285544	2.6943493	20	3 26.9	20.7
273927 2007 JH_{3}	15.6	X	301.95901	263.46694	48.75693	13.27068	0.2922326	0.22755606	2.6571156	20	4 23.7	18.9
273928 2007 JN_{3}	16.3	X	24.17995	80.35209	192.42987	12.53985	0.1351549	0.23744460	2.5828223	20	8 17.9	19.5
273929 2007 JH_{4}	15.9	X	47.52524	143.77982	78.23440	23.04114	0.0950470	0.23417482	2.6068092	20	7 10.3	19.3
273930 2007 JJ_{4}	15.9	X	333.44605	11.83892	228.91699	10.82121	0.0993232	0.22311064	2.6922943	20	3 30.7	19.4
273931 2007 JY_{4}	16.0	X	193.72733	270.34735	64.05935	6.34205	0.0424068	0.21153562	2.7896328	20	2 18.9	20.1
273932 2007 JQ_{10}	16.3	X	86.06986	283.20629	233.33193	10.54532	0.1401445	0.23222893	2.6213509	20	6 12.0	19.8
273933 2007 JX_{10}	16.7	X	97.75713	107.05907	46.01052	6.49172	0.2499237	0.23598614	2.5934531	20	7 6.2	20.7
273934 2007 JA_{13}	16.6	X	21.46875	113.39432	192.51640	11.81084	0.3083929	0.23916516	2.5704201	20	11 3.6	19.5
273935 2007 JS_{14}	16.5	X	297.38689	291.76182	41.61562	13.95003	0.2270406	0.23067247	2.6331294	20	5 22.2	19.7
273936 2007 JC_{16}	15.9	X	356.40438	240.22149	60.16448	16.53659	0.1827120	0.23461449	2.6035514	20	8 22.9	18.8
273937 2007 JY_{17}	16.6	X	273.36872	168.87958	159.89582	12.88306	0.0899233	0.22477613	2.6789787	20	5 10.7	20.5
273938 2007 JX_{20}	16.1	X	14.24364	112.12992	198.78989	10.54943	0.2419279	0.23954452	2.5677056	20	10 16.6	18.7
273939 2007 JV_{21}	17.3	X	48.47022	160.03333	75.24858	1.26386	0.1831281	0.23712188	2.5851652	20	8 15.7	20.4
273940 2007 JJ_{22}	16.4	X	17.95357	117.26965	97.24433	13.94608	0.2038250	0.22710014	2.6606706	20	5 22.6	18.9
273941 2007 JB_{23}	15.6	X	96.17898	23.57576	285.54271	8.31965	0.1096390	0.18340199	3.0680800	20	12 23.2	20.3
273942 2007 JS_{23}	15.4	X	181.89632	326.71219	61.86156	12.03497	0.0502901	0.22046966	2.7137520	20	4 14.5	19.4
273943 2007 JM_{26}	16.5	X	38.88539	357.24068	129.36315	5.96263	0.0208817	0.21154278	2.7895699	20	2 13.4	20.1
273944 2007 JX_{26}	16.0	X	216.95760	211.02504	115.91496	5.60378	0.0679662	0.21344566	2.7729657	20	3 5.0	20.1
273945 2007 JO_{27}	16.0	X	314.50751	203.64973	126.12976	14.70610	0.2419539	0.23088569	2.6315081	20	6 17.6	18.9
273946 2007 JH_{28}	16.5	X	312.79873	219.26194	64.48488	4.59504	0.1784547	0.22429743	2.6827890	20	4 19.0	19.7
273947 2007 JJ_{28}	16.8	X	16.29520	38.81653	224.23439	5.53260	0.2518252	0.23352357	2.6116536	20	8 5.8	19.2
273948 2007 JG_{34}	16.4	X	17.21149	206.62871	79.48721	11.65230	0.1566560	0.23948580	2.5681252	20	9 8.3	19.5
273949 2007 JG_{35}	16.0	X	303.63884	291.50223	33.12308	12.88374	0.2935185	0.22936432	2.6431318	20	5 8.4	19.3
273950 2007 JQ_{37}	16.5	X	301.70164	172.22335	156.90190	12.27063	0.1161177	0.23165528	2.6256767	20	6 14.1	19.9
273951 2007 JA_{40}	16.0	X	357.83459	194.18230	95.82195	13.15002	0.1846948	0.23345334	2.6121773	20	8 1.7	18.4
273952 2007 JZ_{40}	16.9	X	40.37113	111.85119	126.16740	4.83499	0.1817639	0.23552215	2.5968581	20	8 6.0	19.8
273953 2007 JR_{41}	16.9	X	94.99397	264.02687	204.16572	7.85883	0.0596536	0.22171841	2.7035529	20	4 7.5	20.5
273954 2007 JV_{41}	16.5	X	83.39573	87.90780	39.23220	5.37148	0.0537552	0.22408161	2.6845113	20	4 17.0	20.0
273955 2007 JD_{45}	17.2	X	34.84994	112.08225	163.35010	2.30264	0.1495193	0.24018779	2.5631190	20	9 14.9	20.2
273956 2007 JH_{45}	17.0	X	78.54735	85.22936	122.19586	3.44460	0.1806235	0.23881839	2.5729077	20	8 17.4	20.6
273957 2007 JK_{45}	16.5	X	101.77278	56.71978	137.72930	6.16468	0.1644366	0.24318473	2.5420174	20	8 24.7	20.3
273958 2007 KK_{1}	15.3	X	194.40285	97.76467	77.86077	11.67421	0.0450336	0.17952807	3.1120589	20	10 30.8	19.9
273959 2007 KX_{1}	16.3	X	211.05607	111.79205	235.59459	10.82350	0.2104076	0.21183194	2.7870307	20	3 13.9	21.2
273960 2007 KR_{2}	15.3	X	311.45919	178.74418	135.74738	15.53339	0.2595042	0.22867147	2.6484680	20	5 20.4	18.6
273961 2007 KC_{4}	15.9	X	149.36240	254.72434	118.76564	7.72036	0.0749453	0.20930035	2.8094593	20	2 18.4	20.0
273962 2007 KQ_{4}	16.0	X	194.99893	277.73907	86.16625	6.87290	0.0493223	0.21738209	2.7393880	20	3 28.5	20.0
273963 2007 KO_{5}	15.8	X	297.75709	233.44739	98.13147	12.63801	0.2045731	0.23109821	2.6298945	20	5 28.8	19.1
273964 2007 KS_{7}	16.3	X	58.86274	179.30981	1.99028	5.86101	0.2273382	0.23153820	2.6265618	20	6 22.5	19.5
273965 2007 KY_{8}	16.3	X	95.45117	45.19551	168.04568	12.10674	0.1948441	0.24219714	2.5489230	20	9 13.9	20.2
273966 2007 KE_{9}	15.5	X	340.58215	358.65822	283.74305	9.87703	0.1620928	0.22896810	2.6461801	20	6 8.7	18.2
273967 2007 LW_{1}	16.6	X	17.19265	40.59246	210.26564	7.92447	0.2378771	0.23131420	2.6282572	20	7 16.8	19.1
273968 2007 LH_{3}	16.4	X	9.30718	332.28741	215.86511	8.23751	0.0690656	0.21901691	2.7257391	20	3 19.1	19.8
273969 2007 LK_{4}	16.6	X	333.97408	201.92184	119.04283	5.55879	0.3029470	0.23120898	2.6290545	20	7 11.6	17.9
273970 2007 LH_{5}	16.0	X	218.51668	182.25182	124.72703	14.31289	0.1191083	0.20992241	2.8039064	20	2 9.3	20.5
273971 2007 LK_{8}	16.0	X	182.36200	119.60361	108.73569	10.43780	0.0969977	0.18669145	3.0319341	20	12 13.6	20.7
273972 2007 LP_{8}	16.4	X	341.86277	325.78645	207.75980	8.77713	0.1000434	0.21046506	2.7990847	20	1 17.2	20.1
273973 2007 LA_{9}	16.0	X	88.91608	285.04214	235.57756	11.25353	0.1386855	0.23211356	2.6222195	20	6 20.5	19.6
273974 2007 LB_{9}	16.2	X	53.74307	226.77395	72.09130	10.63298	0.1444517	0.24833180	2.5067700	20	11 13.6	19.6
273975 2007 LD_{9}	16.7	X	341.55867	47.31202	222.24299	9.66034	0.1122569	0.22777893	2.6553820	20	5 26.7	19.6
273976 2007 LN_{13}	16.4	X	245.35889	151.10063	166.93557	11.42146	0.3847550	0.21221534	2.7836729	20	2 29.9	21.7
273977 2007 LE_{15}	16.0	X	49.97422	346.11646	246.45373	13.79536	0.1257899	0.23494040	2.6011431	20	7 29.3	19.5
273978 2007 LJ_{15}	16.8	X	312.83251	63.16285	195.43248	12.46711	0.0991758	0.21828847	2.7317997	20	3 26.4	20.3
273979 2007 LH_{20}	16.5	X	271.84997	306.63032	183.04975	6.57347	0.0129238	0.18455834	3.0552512	20	12 8.1	20.8
273980 2007 LJ_{21}	16.6	X	112.16270	325.55338	207.15847	7.10783	0.1337130	0.23903032	2.5713867	20	8 1.0	20.5
273981 2007 LY_{21}	15.9	X	133.80807	151.86711	175.17812	13.98613	0.2108308	0.19062464	2.9900838	20	—	—
273982 2007 LL_{22}	16.1	X	338.10901	136.50411	186.34465	13.16306	0.1785205	0.23514342	2.5996457	20	8 2.6	18.8
273983 2007 LK_{23}	15.9	X	146.52996	207.05203	156.97874	12.56037	0.0659603	0.20498737	2.8487302	20	1 31.8	20.2
273984 2007 LW_{23}	16.1	X	91.90804	327.59825	197.88022	12.05754	0.1277412	0.23245154	2.6196771	20	6 28.7	20.0
273985 2007 LZ_{24}	16.1	X	174.60620	134.59079	243.42374	5.22591	0.0857053	0.21490583	2.7603909	20	3 18.5	20.4
273986 2007 LQ_{29}	15.6	X	86.40040	255.47753	131.31486	11.25419	0.1069219	0.18768243	3.0212522	20	—	—
273987 Greggwade	16.4	X	266.87278	98.40044	84.52810	7.21966	0.1199092	0.18323337	3.0699620	20	—	—
273988 2007 MF_{7}	15.9	X	208.94740	257.10447	75.82200	12.58161	0.1098633	0.21171091	2.7880928	20	3 7.6	20.5
273989 2007 MU_{7}	16.3	X	246.38108	228.81105	66.59996	4.41359	0.0698692	0.21324597	2.7746966	20	2 27.6	20.4
273990 2007 MR_{13}	16.5	X	170.34696	6.17682	128.29798	6.88731	0.0817448	0.24366238	2.5386943	20	8 15.2	20.2
273991 2007 MX_{16}	15.8	X	100.31496	172.97521	160.90272	12.04617	0.0771144	0.18873231	3.0100373	20	—	—
273992 2007 MZ_{16}	16.7	X	350.61270	55.22196	204.13251	12.20012	0.1315027	0.22690591	2.6621887	20	5 28.0	19.6
273993 2007 MO_{24}	15.1	X	239.56817	262.80960	267.92092	9.95652	0.1238604	0.17896998	3.1185251	20	11 30.9	19.5
273994 Cinqueterre	15.6	X	146.49623	181.76932	110.49513	18.06732	0.0922931	0.18364719	3.0653485	20	—	—
273995 2007 OB	16.0	X	79.61023	218.81225	187.06830	10.85655	0.0946610	0.18875765	3.0097679	20	1 7.4	20.1
273996 2007 OQ	15.8	X	305.93767	334.66039	282.75060	11.36559	0.1532079	0.21260443	2.7802755	20	3 2.5	19.7
273997 2007 OT_{2}	16.0	X	142.59953	233.25481	95.55124	5.90160	0.1767163	0.18577352	3.0419134	20	1 1.3	20.8
273998 2007 OF_{4}	15.7	X	126.37806	148.15407	175.07956	17.67202	0.2546336	0.17855815	3.1233184	20	—	—
273999 2007 OO_{10}	16.1	X	123.12968	9.01475	301.70673	4.15071	0.1128285	0.17840160	3.1251453	20	—	—
274000 2007 PF_{1}	15.2	X	200.90357	292.80260	287.60312	9.12821	0.0778315	0.17827037	3.1266788	20	12 22.8	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
274001 2007 PG_1	15.8	X	285.14492	232.36594	240.09972	4.12396	0.0171551	0.17146242	3.2089042	20	11 29.7	20.2
274002 2007 PW_{12}	15.4	X	192.61189	322.48749	320.54918	10.56612	0.0998986	0.18975191	2.9992450	20	—	—
274003 2007 PF_{17}	15.5	X	185.95522	102.20963	164.22269	9.98323	0.0751898	0.18292482	3.0734133	20	—	—
274004 2007 PS_{21}	16.4	X	313.16513	126.79578	157.66652	13.15739	0.2580226	0.21388963	2.7691271	20	4 10.4	19.9
274005 2007 PX_{23}	15.4	X	81.20081	189.61606	172.64062	14.06447	0.1400658	0.17699016	3.1417380	20	—	—
274006 2007 PJ_{38}	15.2	X	190.29914	279.12794	331.28378	16.40944	0.1815314	0.18017496	3.1046056	20	—	—
274007 2007 PN_{39}	15.9	X	267.06802	309.31485	267.74605	8.68171	0.1765162	0.18902426	3.0069372	20	—	—
274008 2007 PC_{41}	15.6	X	173.65076	143.40583	155.22233	23.01485	0.2405593	0.18710502	3.0274647	20	—	—
274009 2007 PH_{45}	16.8	X	148.20432	281.04787	12.84477	0.47371	0.1391510	0.17851263	3.1238494	20	—	—
274010 2007 PG_{46}	16.0	X	188.82775	324.32695	341.52609	9.82447	0.1067678	0.18884834	3.0088043	20	1 14.7	20.8
274011 2007 PA_{50}	16.2	X	124.54632	128.71630	158.10072	13.15608	0.0888316	0.17118107	3.2124193	20	12 21.8	21.3
274012 2007 QY_5	15.4	X	43.07022	226.20541	158.50974	9.64309	0.0800729	0.17411978	3.1761717	20	—	—
274013 2007 QB_{10}	14.6	X	189.63000	214.24922	176.47891	8.88845	0.2620199	0.12387945	3.9853812	20	4 25.5	21.3
274014 2007 QS_{10}	16.1	X	176.56498	292.10290	336.55842	9.17258	0.1499797	0.17925143	3.1152599	20	—	—
274015 2007 QS_{15}	16.0	X	123.12312	358.32232	322.95827	4.30016	0.1261705	0.17764489	3.1340137	20	—	—
274016 2007 RL_4	15.7	X	103.17422	102.69993	223.42533	4.30028	0.1481916	0.17454828	3.1709715	20	—	—
274017 2007 RU_4	15.9	X	102.39662	159.69123	168.08784	10.64455	0.2010324	0.17388503	3.1790297	20	—	—
274018 2007 RB_6	15.4	X	221.27113	99.36019	194.90667	10.24124	0.0878110	0.19246337	2.9710092	20	1 27.5	20.1
274019 2007 RL_{15}	15.4	X	149.19032	252.57510	48.30149	12.76575	0.2377191	0.17757241	3.1348666	20	—	—
274020 Skywalker	15.5	X	124.95063	134.24170	193.26034	15.45120	0.2086782	0.17989589	3.1078155	20	—	—
274021 2007 RB_{18}	15.7	X	144.44021	45.78178	235.31177	8.72827	0.0605959	0.17402740	3.1772957	20	—	—
274022 2007 RZ_{18}	16.3	X	192.38984	256.26860	64.21495	1.18238	0.2320240	0.19160347	2.9798917	20	2 4.0	21.4
274023 2007 RE_{21}	16.1	X	101.54293	41.14932	317.77416	0.96275	0.1329495	0.18006570	3.1058612	20	—	—
274024 2007 RK_{21}	15.9	X	160.99037	151.32367	161.97429	9.98582	0.1068562	0.18522243	3.0479441	20	—	—
274025 2007 RM_{22}	15.1	X	151.98477	305.49304	314.89288	12.97301	0.1504226	0.17359310	3.1825928	20	12 17.7	20.4
274026 2007 RT_{29}	15.2	X	105.04546	140.64015	196.04560	23.68616	0.0988402	0.17502572	3.1652023	20	—	—
274027 2007 RE_{50}	15.3	X	184.76807	46.30065	229.78512	7.95735	0.1039107	0.17884168	3.1200164	20	—	—
274028 2007 RF_{77}	15.7	X	132.53260	126.54486	167.15339	10.18395	0.2052185	0.17568289	3.1573040	20	—	—
274029 2007 RS_{91}	17.0	X	262.99633	0.88760	269.61521	0.40801	0.2281806	0.19726821	2.9225682	20	1 31.1	21.9
274030 2007 RH_{95}	15.6	X	152.76213	258.61037	22.88168	16.26821	0.2233836	0.17386148	3.1793167	20	—	—
274031 2007 RE_{113}	16.3	X	206.66288	197.89390	87.97455	1.37899	0.1822531	0.18676000	3.0311922	20	1 6.7	21.4
274032 2007 RL_{124}	15.5	X	115.32197	80.63339	27.18602	3.08054	0.1854402	0.12545321	3.9519812	20	5 19.6	21.6
274033 2007 RG_{134}	15.6	X	121.00712	273.09434	55.47660	5.89742	0.1346149	0.17642959	3.1483894	20	—	—
274034 2007 RH_{137}	15.4	X	153.91707	274.28022	7.08934	4.22169	0.1171454	0.17519170	3.1632028	20	—	—
274035 2007 RR_{144}	15.5	X	143.43071	107.29664	183.49631	16.04295	0.1114240	0.17478253	3.1681376	20	—	—
274036 2007 RM_{164}	15.5	X	94.57754	182.49832	183.65671	10.38615	0.0306138	0.17906154	3.1174620	20	—	—
274037 2007 RG_{188}	15.8	X	193.29237	298.59100	11.13702	16.33943	0.2877039	0.18887469	3.0085244	20	1 29.9	21.5
274038 2007 RY_{208}	15.4	X	234.70440	228.06893	21.20834	9.77020	0.1753166	0.18517456	3.0484694	20	—	—
274039 2007 RL_{211}	16.6	X	264.73498	122.80025	169.20734	10.93798	0.2633115	0.20456032	2.8526935	20	2 21.8	21.2
274040 2007 RZ_{215}	15.7	X	121.36349	143.09838	193.62395	10.64236	0.1162398	0.17678774	3.1441357	20	—	—
274041 2007 RL_{246}	15.8	X	155.11643	163.35060	154.30207	13.37526	0.1548034	0.18339993	3.0681031	20	—	—
274042 2007 RJ_{275}	15.4	X	65.26748	320.26479	41.03218	21.81485	0.3004006	0.17180950	3.2045811	20	—	—
274043 2007 RU_{279}	15.3	X	199.97100	289.41985	32.71847	12.57957	0.2161636	0.19646448	2.9305335	20	2 16.0	20.5
274044 2007 RY_{279}	15.2	X	44.82895	334.84724	58.86645	10.93252	0.1635629	0.17209289	3.2010621	20	—	—
274045 2007 RQ_{295}	15.8	X	195.73670	69.21497	211.78897	9.19612	0.1225260	0.17814447	3.1281518	20	—	—
274046 2007 RP_{310}	15.9	X	124.50140	308.13645	22.89162	13.90278	0.2823726	0.18061793	3.0995273	20	—	—
274047 2007 RX_{311}	15.2	X	174.28951	323.24458	327.62220	16.75331	0.2387292	0.18274137	3.0754698	20	—	—
274048 2007 RC_{312}	15.4	X	92.55449	102.32058	250.11472	8.51014	0.2284658	0.17521757	3.1628915	20	—	—
274049 2007 RK_{315}	15.2	X	322.37420	359.60483	6.81071	5.51352	0.0532549	0.14650954	3.5636260	20	9 3.7	20.0
274050 2007 RT_{319}	15.6	X	110.23708	346.95124	341.99384	4.11083	0.0754912	0.17303170	3.1894730	20	—	—
274051 2007 RC_{321}	15.8	X	151.76593	291.99725	27.89424	2.39360	0.1199940	0.18207018	3.0830235	20	—	—
274052 2007 SC_1	15.9	X	133.98980	95.89508	242.76348	9.68524	0.3427040	0.18332070	3.0689870	20	1 17.9	21.2
274053 2007 SM_{20}	17.1	X	11.43890	343.55378	326.67036	6.54124	0.1625329	0.30070271	2.2065367	20	10 7.7	19.3
274054 2007 TA_9	15.2	X	207.73996	128.91824	194.57767	12.20136	0.2449721	0.19062225	2.9901088	20	2 15.2	20.6
274055 2007 TW_{18}	17.4	X	313.42751	336.13931	351.44761	18.38512	0.0507738	0.36892333	1.9253601	20	7 27.6	19.4
274056 2007 TP_{24}	15.0	X	203.90216	271.37616	127.74826	2.74469	0.1300416	0.12521734	3.9569425	20	5 17.9	21.1
274057 2007 TW_{58}	15.8	X	194.78585	269.82105	333.70985	8.86853	0.1843880	0.17767192	3.1336959	20	—	—
274058 2007 TD_{69}	15.8	X	114.24943	120.97976	201.37883	12.52495	0.0819148	0.17030220	3.2234619	20	—	—
274059 2007 TB_{95}	14.9	X	91.69651	177.17919	130.67100	5.60788	0.2316421	0.16326542	3.3154304	20	12 23.2	20.4
274060 2007 TF_{111}	14.8	X	208.02734	56.45233	330.81347	11.42815	0.2591466	0.12468128	3.9682761	20	4 27.9	21.6
274061 2007 TC_{135}	15.9	X	100.62596	142.51046	170.66617	13.02308	0.0771577	0.16973649	3.2306202	20	12 26.6	21.0
274062 2007 TH_{147}	15.4	X	146.82758	290.87519	19.61207	26.49018	0.2008315	0.17866293	3.1220971	20	—	—
274063 2007 TZ_{149}	15.7	X	99.77782	127.02345	205.42065	7.49806	0.1734208	0.17316741	3.1878065	20	—	—
274064 2007 TM_{274}	15.4	X	241.34063	32.53638	165.01448	9.69301	0.0394325	0.17513655	3.1638668	20	—	—
274065 2007 TR_{283}	16.0	X	166.48592	230.13062	69.67939	2.04432	0.1584791	0.17831003	3.1262152	20	—	—
274066 2007 TB_{287}	17.2	X	304.49311	118.79285	149.21601	2.26372	0.2570567	0.21240706	2.7819976	20	3 4.9	20.8
274067 2007 TZ_{421}	17.5	X	331.64921	259.06029	63.79489	23.90962	0.0729117	0.37088121	1.9185782	20	9 3.7	19.9
274068 2007 TN_{428}	15.0	X	84.80055	290.92878	48.87388	18.33698	0.1323173	0.16898404	3.2402033	20	—	—
274069 2007 VU_{188}	17.3	X	19.58244	186.16513	155.89330	3.78521	0.2367358	0.30743809	2.1741905	20	12 23.8	19.9
274070 2007 VL_{193}	17.3	X	118.27763	186.78729	90.37192	23.11308	0.0387433	0.38044702	1.8862819	20	—	—
274071 2007 XE_4	17.6	X	332.55025	292.77402	106.69256	2.55417	0.1020205	0.30376211	2.1916960	20	12 9.2	19.4
274072 2007 XM_{17}	17.8	X	357.30267	68.54475	285.42959	3.61284	0.1957278	0.30164872	2.2019210	20	11 27.9	19.6
274073 2007 XH_{32}	16.5	X	96.34771	107.80305	355.48887	5.62102	0.0629821	0.25847543	2.4407495	20	3 30.8	19.6
274074 2007 XO_{33}	17.1	X	285.10996	117.70130	282.65743	5.68786	0.0645909	0.29231177	2.2485636	20	9 9.9	19.5
274075 2007 XV_{38}	16.4	X	13.01938	86.81232	69.65508	8.45644	0.1042717	0.25182225	2.4835523	20	2 10.0	19.2
274076 2007 YW_{21}	17.5	X	219.41314	329.51511	144.86638	2.64519	0.1104691	0.28886497	2.2664151	20	9 17.2	20.5
274077 2007 YK_{34}	15.5	X	241.35896	255.51109	75.98831	11.44311	0.0488706	0.18831873	3.0144428	20	4 13.8	20.0
274078 2007 YT_{43}	17.5	X	102.94420	259.85712	99.99671	4.93132	0.1743862	0.31830302	2.1244290	20	—	—
274079 2008 AE_{25}	17.0	X	140.98291	99.14081	12.21254	2.70190	0.0694795	0.26598436	2.3945945	20	6 9.8	20.4
274080 2008 AJ_{25}	17.9	X	203.87348	339.86373	45.76656	2.29637	0.1876873	0.26477660	2.4018708	20	4 26.0	21.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
274081 2008 AB_{33}	16.9	X	260.39838	255.75618	113.62150	7.31567	0.1182473	0.27636789	2.3342336	20	6 10.9	19.8
274082 2008 AM_{60}	18.2	X	248.25203	153.50291	281.49271	3.39350	0.1608369	0.28608044	2.2810980	20	8 20.1	20.9
274083 2008 AK_{85}	17.1	X	84.25063	79.70695	90.02943	2.69633	0.1398305	0.26529245	2.3987563	20	6 28.9	20.2
274084 Baldone	17.2	X	44.51789	283.68017	278.81452	3.91604	0.1751415	0.26430689	2.4047156	20	6 21.6	19.4
274085 2008 AF_{112}	17.4	X	177.92543	1.71640	149.45737	23.65443	0.0591378	0.36330533	1.9451579	20	10 9.8	20.0
274086 2008 BN_{23}	17.8	X	170.72942	44.26758	36.33278	1.71440	0.1598025	0.26548306	2.3976080	20	6 5.1	21.5
274087 2008 BF_{40}	17.1	X	36.45876	305.71093	331.32648	17.31185	0.0795794	0.35834881	1.9630532	20	9 20.6	19.1
274088 2008 BT_{49}	17.3	X	150.13435	137.62296	91.33272	7.23352	0.1187013	0.28416425	2.2913411	20	11 29.1	20.5
274089 2008 CA_{16}	17.1	X	125.12054	254.55926	7.45001	4.08596	0.2653137	0.28563331	2.2834779	20	12 14.5	21.2
274090 2008 CJ_{52}	17.2	X	103.88584	64.54944	104.21628	6.84867	0.0631542	0.27263105	2.3555148	20	7 12.9	20.1
274091 2008 CE_{63}	17.0	X	265.95566	283.80454	148.93343	23.27090	0.0841753	0.36469008	1.9402309	20	10 23.2	19.2
274092 2008 CZ_{71}	17.1	X	89.16112	59.07567	154.76968	23.63615	0.0478058	0.35441749	1.9775431	20	9 4.6	19.0
274093 2008 CO_{73}	17.0	X	94.55416	130.91783	34.29840	5.36128	0.1717559	0.26543495	2.3978977	20	7 11.1	20.3
274094 2008 CS_{91}	17.4	X	132.36296	300.01114	330.74634	6.18711	0.1496442	0.29283521	2.2458833	20	—	—
274095 2008 CQ_{94}	16.9	X	73.43290	242.04915	35.19826	5.76775	0.2463855	0.27736426	2.3286401	20	11 20.6	20.5
274096 2008 CZ_{115}	17.4	X	124.60355	168.66479	112.86282	8.70510	0.1467581	0.29174585	2.2514705	20	—	—
274097 2008 CS_{135}	17.4	X	178.69273	306.36456	131.07273	3.53241	0.1535336	0.26697999	2.3886375	20	6 9.3	21.2
274098 2008 CA_{149}	17.3	X	60.37372	283.73558	243.62665	2.21043	0.1197248	0.25844982	2.4409107	20	5 17.3	20.0
274099 2008 CF_{172}	17.0	X	199.17324	309.23005	172.16010	22.16616	0.0767321	0.35957669	1.9585817	20	9 14.4	19.0
274100 2008 CX_{174}	17.2	X	145.02769	254.63236	243.84165	6.35367	0.1980266	0.27046958	2.3680476	20	7 26.2	21.1
274101 2008 CG_{181}	16.4	X	91.51434	123.77962	37.68464	12.21920	0.1519371	0.26352646	2.4094610	20	6 28.4	19.9
274102 2008 CF_{195}	18.2	X	292.89231	221.45348	14.64911	5.23032	0.0620115	0.31779859	2.1266764	20	1 23.7	20.7
274103 2008 CJ_{195}	17.8	X	232.13288	3.22842	162.62099	3.96930	0.1286985	0.28739311	2.2741467	20	12 11.5	20.4
274104 2008 CK_{199}	17.5	X	36.23716	260.08226	37.68284	1.67202	0.1909306	0.27233965	2.3571947	20	10 30.9	20.2
274105 2008 DC_{4}	17.6	X	164.18535	101.00185	330.52495	6.20705	0.0893825	0.26281976	2.4137783	20	5 13.2	21.1
274106 2008 DO_{19}	17.8	X	115.71262	275.95819	340.75831	4.14522	0.1124412	0.28257197	2.2999408	20	11 27.3	21.1
274107 2008 DL_{21}	17.2	X	102.24796	215.80693	54.48900	4.26625	0.2452746	0.28253224	2.3001565	20	12 6.8	21.2
274108 2008 DP_{22}	17.6	X	24.87658	263.97982	19.51331	19.41686	0.0968484	0.35470126	1.9764882	20	9 28.1	19.4
274109 2008 DB_{23}	17.0	X	251.28415	220.29514	157.56374	23.59232	0.0658706	0.35137477	1.9889430	20	6 22.6	19.8
274110 2008 DH_{26}	17.6	X	168.98340	273.22955	337.48874	4.74327	0.1677232	0.29383806	2.2407704	20	—	—
274111 2008 DV_{29}	16.5	X	183.76569	242.61376	0.45030	2.98443	0.1454242	0.21716945	2.7411758	20	—	—
274112 2008 DW_{38}	17.6	X	62.07054	275.48193	352.97443	0.88542	0.1640926	0.27098437	2.3650476	20	10 19.4	20.6
274113 2008 DW_{45}	16.3	X	215.13687	172.30196	45.68839	5.83516	0.0715006	0.21632175	2.7483324	20	—	—
274114 2008 DU_{47}	17.1	X	58.60689	267.95948	19.17928	5.10815	0.1755635	0.27453034	2.3446381	20	11 10.3	20.3
274115 2008 DX_{66}	15.8	X	321.61514	332.87888	334.10095	8.28233	0.1082562	0.17825888	3.1268132	20	6 13.4	19.8
274116 2008 DW_{73}	17.4	X	80.09561	162.29409	178.61049	7.57550	0.1664957	0.29637201	2.2279799	20	—	—
274117 2008 DX_{82}	17.7	X	84.83432	232.89139	26.79181	2.94583	0.1524507	0.27567690	2.3381326	20	11 1.5	21.0
274118 2008 DH_{83}	16.4	X	207.74646	80.87270	147.50322	9.89100	0.0793251	0.21777977	2.7360521	20	—	—
274119 2008 DG_{88}	16.3	X	161.32022	229.61521	58.60202	8.36893	0.0235840	0.22322368	2.6913852	20	—	—
274120 2008 EJ_{2}	16.9	X	11.08768	209.27875	60.92675	7.95158	0.0803952	0.27023913	2.3693937	20	7 24.5	19.5
274121 2008 EY_{40}	16.4	X	13.47669	16.81153	27.45521	13.49896	0.0944559	0.21785887	2.7353898	20	—	—
274122 2008 EB_{43}	17.5	X	30.47786	167.39698	126.40847	3.40771	0.1929781	0.26604931	2.3942048	20	10 17.9	20.3
274123 2008 EX_{46}	17.3	X	24.75776	218.12583	55.17871	6.60841	0.1342863	0.26201872	2.4186953	20	8 30.9	19.9
274124 2008 ET_{47}	16.8	X	325.95150	273.19547	29.12092	3.65809	0.0812249	0.25692840	2.4505373	20	6 19.3	19.6
274125 2008 EV_{47}	17.1	X	116.07602	115.70236	180.27316	7.61411	0.1468540	0.28766069	2.2727363	20	—	—
274126 2008 EN_{52}	16.9	X	358.11498	291.74481	10.23860	3.86085	0.1267036	0.26387506	2.4073384	20	8 21.6	19.0
274127 2008 ER_{54}	15.4	X	71.45908	222.95558	31.86460	10.93730	0.1167971	0.18859271	3.0115225	20	9 27.7	19.8
274128 2008 EB_{60}	17.2	X	163.26202	286.71567	311.36645	6.09664	0.1427933	0.29077243	2.2564925	20	12 23.4	20.5
274129 2008 EF_{89}	15.1	X	32.58475	208.12997	43.81713	14.31356	0.2098576	0.17976757	3.1092942	20	8 17.6	19.1
274130 2008 EZ_{96}	17.6	X	115.23850	249.44018	32.76139	2.09636	0.1441284	0.28773606	2.2723393	20	12 31.6	21.0
274131 2008 EE_{121}	17.6	X	51.14355	235.58534	155.51927	3.40710	0.0711793	0.30092074	2.2054708	20	—	—
274132 2008 EF_{132}	17.9	X	58.88046	162.23325	109.49181	3.89540	0.1598082	0.27112935	2.3642044	20	10 21.7	21.0
274133 2008 EA_{139}	18.1	X	205.50404	0.39280	301.09532	2.76174	0.0770934	0.31193830	2.1532291	20	1 5.3	20.8
274134 2008 EU_{151}	17.4	X	117.86430	254.72403	8.97636	4.67279	0.1416671	0.28320770	2.2964977	20	12 9.3	20.9
274135 2008 FN_{4}	17.7	X	51.59714	164.04416	119.22028	3.25672	0.2111562	0.27298377	2.3534853	20	11 4.0	20.9
274136 2008 FP_{5}	17.0	X	85.02300	190.79526	71.54570	3.25036	0.1745716	0.27166004	2.3611245	20	11 7.3	20.4
274137 Angelaglinos	14.8	X	346.17966	12.61881	267.08765	11.70259	0.1179512	0.17881085	3.1203752	20	6 16.9	18.5
274138 2008 FU_{6}	17.7	X	304.82594	129.10401	192.84562	12.83189	0.5691009	0.64700795	1.3239238	20	3 5.3	19.4
274139 2008 FE_{15}	16.2	X	7.47199	348.33867	151.27555	8.34249	0.1470126	0.23326619	2.6135743	20	1 4.5	19.0
274140 2008 FS_{25}	17.6	X	70.11110	164.42902	108.02336	2.27326	0.1691198	0.27101709	2.3648573	20	11 4.5	21.0
274141 2008 FV_{50}	16.9	X	351.14870	212.98297	70.20477	7.25250	0.0912473	0.25641073	2.4538344	20	7 5.6	19.4
274142 2008 FW_{54}	17.5	X	209.57476	75.61296	183.79366	3.88914	0.1486340	0.30032874	2.2083681	20	—	—
274143 2008 FF_{56}	17.6	X	229.50745	118.25325	183.85746	2.32119	0.1643617	0.31395355	2.1440050	20	1 30.6	20.9
274144 2008 FP_{60}	15.7	X	298.13493	42.16181	50.78648	17.20145	0.0413533	0.20507502	2.8479184	20	11 26.4	19.6
274145 2008 FX_{65}	18.0	X	227.34189	193.19898	59.19768	3.04582	0.0963955	0.30259593	2.1973235	20	—	—
274146 2008 FD_{66}	17.2	X	163.67848	317.99780	44.33231	4.27421	0.1446354	0.31238199	2.1511898	20	2 15.2	20.1
274147 2008 FE_{66}	17.6	X	130.77735	94.61613	197.74979	6.34376	0.1781673	0.28686051	2.2769607	20	—	—
274148 2008 FU_{66}	17.8	X	219.62390	51.47969	88.24607	2.72892	0.0980664	0.27859946	2.3217522	20	10 23.2	20.7
274149 2008 FA_{67}	16.0	X	35.45213	55.17315	209.22280	10.56719	0.0612421	0.18011227	3.1053259	20	8 7.1	20.4
274150 2008 FK_{68}	17.0	X	51.02048	269.82510	51.31777	5.13502	0.0429391	0.27810457	2.3245058	20	11 29.4	19.7
274151 2008 FS_{70}	16.7	X	249.95387	281.31137	34.85091	3.55375	0.2354360	0.23454285	2.6040816	20	3 11.3	21.1
274152 2008 FB_{76}	17.9	X	275.77465	334.31541	22.41945	20.72559	0.0892603	0.34134599	2.0277116	20	6 17.1	20.6
274153 2008 FX_{76}	18.1	X	329.08724	114.06437	343.67934	5.18257	0.0627323	0.30035926	2.2082185	20	—	—
274154 2008 FJ_{97}	16.6	X	311.25164	16.64176	169.01693	3.86056	0.1302637	0.23191089	2.6237470	20	—	—
274155 2008 FH_{102}	17.2	X	78.67236	188.27562	151.43455	7.18339	0.1513896	0.28641742	2.2793084	20	—	—
274156 2008 FH_{103}	17.8	X	179.68858	77.18430	83.77146	5.31287	0.0847314	0.27425245	2.3462217	20	10 5.9	21.1
274157 2008 FS_{103}	16.9	X	304.62673	188.56089	102.29882	5.40097	0.1421947	0.24498582	2.5295431	20	4 22.1	19.9
274158 2008 FY_{104}	17.0	X	31.90952	327.50851	58.54327	6.07672	0.0812020	0.28727908	2.2747485	20	—	—
274159 2008 FM_{105}	17.6	X	242.98635	68.43116	72.21917	3.32939	0.1115691	0.28755016	2.2733186	20	11 24.7	20.1
274160 2008 FR_{113}	16.0	X	322.11671	315.70802	36.98569	11.52015	0.1160209	0.18507852	3.0495239	20	8 21.6	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
274161 2008 FA_{116}	16.4	X	64.28532	197.53039	99.79341	3.21856	0.0613360	0.19832958	2.9121320	20	11 2.6	20.4
274162 2008 FH_{124}	18.3	X	239.85595	154.72619	125.32189	3.44710	0.0753840	0.31028441	2.1608738	20	1 16.2	21.0
274163 2008 FK_{125}	17.7	X	257.58535	299.17058	171.15991	5.77547	0.0387949	0.28133490	2.3066780	20	11 14.8	20.4
274164 2008 FX_{126}	17.4	X	349.09885	302.12671	145.51688	7.66254	0.0900954	0.29500904	2.2348369	20	—	—
274165 2008 FU_{128}	18.2	X	261.79259	118.66123	93.11099	1.48665	0.0305531	0.30430248	2.1891006	20	—	—
274166 2008 FL_{129}	17.4	X	148.53152	78.59494	89.16969	3.53938	0.0220648	0.26644117	2.3918567	20	9 6.6	20.5
274167 2008 FH_{130}	17.6	X	312.30760	16.16280	171.41241	6.36753	0.0956748	0.30933818	2.1652782	20	—	—
274168 2008 GZ_{11}	17.2	X	179.24370	263.59311	42.51002	7.79944	0.2318292	0.29750812	2.2223042	20	—	—
274169 2008 GB_{37}	18.1	X	201.68243	115.15333	180.68002	2.92611	0.1267506	0.30699380	2.1762877	20	—	—
274170 2008 GB_{39}	17.4	X	236.05072	1.74667	172.07210	5.02706	0.1140979	0.28826887	2.2695385	20	12 30.3	19.9
274171 2008 GM_{47}	17.5	X	158.71369	49.80584	168.44084	5.36678	0.1139028	0.27925218	2.3181329	20	11 24.0	20.9
274172 2008 GZ_{47}	16.4	X	296.98887	129.26889	175.26590	7.15373	0.1976522	0.24258934	2.5461749	20	4 20.0	19.7
274173 2008 GT_{60}	17.1	X	45.53600	178.03596	87.83707	3.99430	0.1506553	0.26440858	2.4040990	20	9 23.9	20.0
274174 2008 GT_{64}	16.8	X	109.13811	219.56099	39.34876	6.62715	0.0877065	0.28048296	2.3113465	20	11 22.0	20.0
274175 2008 GC_{65}	17.5	X	46.74577	231.64915	62.09575	3.64346	0.1357029	0.27256472	2.3558969	20	10 31.6	20.3
274176 2008 GW_{67}	17.4	X	32.82662	218.37765	65.48164	5.44545	0.1667825	0.26270324	2.4144920	20	10 3.5	20.1
274177 2008 GE_{69}	17.9	X	108.29623	92.14071	182.83270	6.56102	0.1824534	0.27759554	2.3273466	20	12 15.3	21.7
274178 2008 GJ_{69}	16.7	X	329.40556	219.51740	78.09756	6.46008	0.0668074	0.25283867	2.4768919	20	6 19.4	19.6
274179 2008 GZ_{69}	17.7	X	220.97233	133.28393	119.73607	6.61370	0.1458206	0.29923861	2.2137282	20	—	—
274180 2008 GB_{70}	17.9	X	247.93237	356.24167	156.21156	8.73841	0.1294581	0.28718981	2.2752198	20	12 16.9	20.5
274181 2008 GN_{79}	17.7	X	178.88262	19.68542	200.99172	6.08572	0.1287666	0.28487162	2.2875464	20	12 17.3	20.9
274182 2008 GA_{85}	16.0	X	297.56875	272.87505	55.15273	7.81398	0.1619547	0.17432028	3.1737358	20	5 27.9	20.2
274183 2008 GT_{92}	17.3	X	148.55021	135.20688	83.53668	9.30333	0.1840870	0.27894916	2.3198114	20	11 13.2	21.1
274184 2008 GX_{104}	17.7	X	151.95176	67.24590	172.87772	7.19880	0.0888809	0.28447118	2.2896927	20	12 16.5	21.1
274185 2008 GG_{115}	15.9	X	297.09266	253.45249	101.04776	6.86965	0.0988370	0.17864795	3.1222717	20	7 11.2	19.8
274186 2008 GH_{118}	17.4	X	255.27877	194.38307	62.28832	8.77898	0.1794255	0.30875179	2.1680189	20	—	—
274187 2008 GG_{119}	17.9	X	171.51703	25.97157	202.05084	6.37274	0.0639305	0.28409765	2.2916993	20	12 24.5	21.0
274188 2008 GL_{125}	17.5	X	21.24985	280.93672	8.80491	6.58975	0.1103749	0.26453744	2.4033183	20	9 12.8	20.0
274189 2008 GG_{131}	18.0	X	174.89653	105.24347	82.04989	4.59508	0.1293133	0.27718782	2.3296283	20	10 31.2	21.3
274190 2008 GB_{146}	18.3	X	186.11707	96.72744	212.19482	1.44686	0.1934872	0.30079204	2.2060998	20	1 2.9	21.5
274191 2008 HU_{3}	17.1	X	96.76416	214.88086	42.94551	2.97117	0.1812031	0.27229143	2.3574730	20	11 12.6	20.7
274192 2008 HT_{6}	17.9	X	235.86202	286.34911	22.18295	1.82287	0.0931990	0.31818178	2.1249686	20	2 17.9	20.7
274193 2008 HX_{12}	17.3	X	178.68739	176.09530	96.35612	8.74057	0.1151641	0.29323279	2.2438528	20	—	—
274194 2008 HC_{14}	17.7	X	36.70036	253.90319	7.84975	4.67741	0.1437762	0.26226186	2.4172002	20	9 2.0	20.3
274195 2008 HX_{16}	18.0	X	81.74251	160.20445	94.70578	2.17091	0.1528092	0.26753533	2.3853308	20	10 23.1	21.4
274196 2008 HC_{21}	17.7	X	198.70949	139.17176	127.85061	5.50198	0.1368602	0.29559966	2.2318590	20	—	—
274197 2008 HE_{21}	17.2	X	132.72023	163.25394	168.64679	6.09676	0.1305229	0.29335219	2.2432439	20	—	—
274198 2008 HY_{22}	17.4	X	152.15999	342.07273	359.98499	5.13768	0.1756741	0.30607253	2.1806526	20	1 10.2	20.4
274199 2008 HC_{31}	16.8	X	312.39066	252.40100	216.81958	12.55394	0.1231872	0.21028718	2.8006630	20	—	—
274200 2008 HP_{33}	17.0	X	16.57675	155.33335	132.43109	7.96052	0.1624003	0.25968245	2.4331804	20	9 9.5	19.4
274201 2008 HY_{33}	17.4	X	242.20318	49.54868	173.19456	6.89126	0.0756205	0.29866785	2.2165476	20	—	—
274202 2008 HJ_{44}	17.6	X	81.24761	121.73036	156.57889	1.40466	0.1728941	0.27245482	2.3565304	20	11 23.4	21.1
274203 2008 HT_{44}	17.9	X	113.11070	41.99257	237.85857	1.50216	0.1129444	0.28383058	2.2931366	20	12 25.2	21.3
274204 2008 HX_{50}	18.0	X	78.20034	110.86965	143.07229	2.25085	0.1230495	0.26696165	2.3887469	20	10 14.5	21.3
274205 2008 HE_{52}	18.4	X	306.82341	7.25216	175.95810	4.49235	0.0523251	0.30662667	2.1780245	20	—	—
274206 2008 HF_{55}	17.1	X	199.39274	269.58987	63.90503	6.96718	0.0799040	0.22958490	2.6414385	20	2 22.9	21.1
274207 2008 HE_{58}	17.6	X	108.47477	92.62528	217.59539	4.11104	0.2079523	0.28780153	2.2719947	20	—	—
274208 2008 HF_{62}	17.4	X	249.23053	76.55764	102.58188	6.74351	0.0606306	0.29024471	2.2592268	20	—	—
274209 2008 HN_{65}	16.9	X	33.08018	309.93870	93.90352	7.31116	0.0634279	0.29117208	2.2544273	20	—	—
274210 2008 HV_{66}	17.8	X	288.98149	20.32528	156.74550	4.75584	0.0949539	0.29981105	2.2109095	20	—	—
274211 2008 HQ_{67}	17.8	X	174.41296	96.07311	227.85123	6.73922	0.1238547	0.30271853	2.1967302	20	1 3.9	20.8
274212 2008 JX	17.6	X	356.10996	190.62233	143.47325	2.00989	0.1870043	0.26478632	2.4018121	20	10 14.1	19.6
274213 Satriani	17.9	X	296.26317	61.27791	178.97493	1.15033	0.0413955	0.31544304	2.1372504	20	2 4.6	20.2
274214 2008 JY_{6}	17.3	X	251.49072	215.69432	92.41846	4.57518	0.0620677	0.23635259	2.5907717	20	3 19.3	20.9
274215 2008 JA_{7}	17.9	X	205.30644	83.14579	187.68742	4.98041	0.1440698	0.29845499	2.2176014	20	—	—
274216 2008 JK_{16}	17.1	X	7.21542	314.33405	86.52071	7.08582	0.0872966	0.28544562	2.2844788	20	—	—
274217 2008 JO_{29}	16.9	X	153.92740	155.18372	128.19801	8.21432	0.1726726	0.28728799	2.2747014	20	—	—
274218 2008 JU_{30}	17.9	X	155.69329	129.41105	174.32386	8.26778	0.1821510	0.29184076	2.2509823	20	—	—
274219 2008 JB_{36}	16.1	X	121.28908	330.61555	216.24337	9.17129	0.0379858	0.17991764	3.1075649	20	8 14.6	20.8
274220 2008 JG_{36}	17.7	X	54.71890	123.54693	154.60682	2.93648	0.1683753	0.26440616	2.4041137	20	10 24.4	20.9
274221 2008 JY_{37}	18.2	X	243.12216	124.39797	139.32706	8.90305	0.2358207	0.30388013	2.1911285	20	—	—
274222 2008 JS_{40}	17.4	X	173.97895	359.21803	191.70926	4.23277	0.0790859	0.27611883	2.3356371	20	11 6.7	20.7
274223 2008 KV_{4}	16.8	X	313.85445	220.07263	190.40366	9.60328	0.1035961	0.27311046	2.3527575	20	11 12.9	19.1
274224 2008 KU_{5}	17.9	X	125.87473	96.84214	167.77540	5.24433	0.1984034	0.27781049	2.3261459	20	12 17.7	21.7
274225 2008 KR_{20}	15.9	X	200.88715	202.99720	227.20217	27.00158	0.1665286	0.17207807	3.2012459	20	6 15.8	21.4
274226 2008 KX_{30}	17.6	X	121.06224	103.35123	155.23685	6.69480	0.1607454	0.27658409	2.3330171	20	12 6.6	21.4
274227 2008 KF_{31}	17.4	X	187.69613	43.39464	178.66654	7.87024	0.1238267	0.28516681	2.2859676	20	12 29.1	20.6
274228 2008 KR_{31}	18.3	X	170.91566	118.50566	167.35371	5.53211	0.1683009	0.29246506	2.2477779	20	—	—
274229 2008 KL_{34}	17.1	X	98.15747	214.09821	101.67905	9.28806	0.2309920	0.28086898	2.3092283	20	—	—
274230 2008 KU_{36}	16.5	X	191.60314	187.49024	159.16699	8.52057	0.1466589	0.22734544	2.6587564	20	2 29.1	20.8
274231 2008 KJ_{40}	17.0	X	230.60857	133.96634	101.93947	5.13771	0.1323600	0.29707971	2.2244401	20	—	—
274232 2008 LL_{12}	16.8	X	81.90178	234.85432	64.40710	7.52066	0.1351418	0.27374909	2.3490969	20	12 16.8	20.3
274233 2008 LN_{15}	17.0	X	10.45831	198.89215	213.34085	7.80457	0.1368139	0.28578946	2.2826460	20	—	—
274234 2008 LO_{16}	17.4	X	144.69631	181.32838	128.60873	6.54782	0.2848131	0.28678310	2.2773704	20	—	—
274235 2008 MJ_{2}	16.1	X	196.37458	308.19785	136.61484	5.58598	0.1048257	0.24110027	2.5566479	20	7 7.3	20.0
274236 2008 MF_{5}	15.9	X	299.41601	301.82326	70.97689	14.00024	0.2490781	0.24564209	2.5250357	20	7 24.2	18.7
274237 2008 MG_{5}	16.5	X	98.64088	227.28371	82.92997	8.45218	0.1926596	0.26965354	2.3728228	20	—	—
274238 2008 NF_{1}	15.9	X	189.03560	245.66101	158.70372	27.81771	0.2971472	0.23603350	2.5931061	20	5 12.4	21.2
274239 2008 NK_{1}	15.7	X	141.46226	174.55927	156.20736	7.99575	0.1943616	0.20355760	2.8620541	20	1 1.4	20.3
274240 2008 NS_{2}	16.3	X	114.91824	354.69751	309.95166	4.09221	0.1547991	0.19125618	2.9834979	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
274241 2008 NH_{5}	15.6	X	247.47924	237.56273	92.20736	8.48770	0.1594714	0.22235842	2.6983627	20	4 4.7	19.9
274242 2008 OW	17.8	X	162.43810	358.91884	290.77478	2.68621	0.2078618	0.28487838	2.2875103	20	—	—
274243 2008 OH_{3}	16.1	X	261.71407	159.61852	147.13944	10.70224	0.1228293	0.22577569	2.6710659	20	3 23.5	20.0
274244 2008 OL_{3}	17.6	X	182.09182	152.12612	146.22846	3.79301	0.2091774	0.28916596	2.2648421	20	—	—
274245 2008 OS_{6}	15.9	X	224.27609	138.79511	158.60226	10.01504	0.1549827	0.21594541	2.7515246	20	1 30.6	20.5
274246 Reggiacaserta	16.3	X	145.73632	208.77767	304.47243	3.90848	0.0991029	0.24440962	2.5335172	20	8 11.8	19.9
274247 2008 OJ_{11}	16.9	X	149.74877	331.56047	281.96264	4.46538	0.1618408	0.27392260	2.3481048	20	12 24.9	20.6
274248 2008 OO_{12}	15.8	X	346.62743	191.97128	159.88247	15.72711	0.2808297	0.25203786	2.4821358	20	11 3.8	17.9
274249 2008 OU_{13}	16.5	X	358.50438	53.02412	308.78183	3.97996	0.1665147	0.17400311	3.1775913	20	10 27.9	20.3
274250 2008 OH_{19}	16.5	X	154.66653	150.37655	140.58194	2.84082	0.0684828	0.19475166	2.9476909	20	—	—
274251 2008 OQ_{19}	16.6	X	56.35212	190.65447	167.98768	2.56357	0.0983916	0.18434331	3.0576267	20	—	—
274252 2008 OW_{19}	17.5	X	162.09702	325.18821	320.89777	2.34560	0.1819190	0.28084569	2.3093559	20	—	—
274253 2008 OD_{20}	16.0	X	66.36763	300.65975	344.80478	4.49188	0.1646992	0.17366838	3.1816731	20	10 28.2	20.6
274254 2008 OO_{20}	17.1	X	216.85205	130.52736	211.92492	1.50359	0.0808040	0.22032665	2.7149262	20	3 20.6	21.2
274255 2008 OS_{20}	16.6	X	15.30574	197.57251	243.59237	0.80201	0.0759096	0.19422317	2.9530357	20	—	—
274256 2008 OV_{20}	17.8	X	162.43748	272.62791	333.22629	1.72759	0.1823550	0.27386383	2.3484407	20	12 25.9	21.5
274257 2008 OY_{20}	16.8	X	39.63389	207.57689	179.58373	3.63757	0.1783808	0.18549347	3.0449743	20	—	—
274258 2008 OP_{21}	17.3	X	132.90541	240.29482	343.25653	2.76136	0.1805632	0.25944581	2.4346598	20	10 30.7	21.2
274259 2008 OZ_{23}	16.0	X	272.08256	159.76739	158.10645	16.33734	0.1665632	0.22741688	2.6581996	20	4 14.4	20.0
274260 2008 OH_{25}	15.4	X	336.51443	259.68721	163.31663	13.18376	0.1208667	0.18078357	3.0976338	20	12 10.9	19.4
274261 2008 PS	17.5	X	116.30308	96.79354	198.06861	2.15783	0.1802109	0.27192346	2.3595993	20	—	—
274262 2008 PT	17.3	X	85.23279	122.14310	171.66603	5.45632	0.1943997	0.26468807	2.4024064	20	12 16.4	21.2
274263 2008 PJ_{5}	15.7	X	46.09897	28.52949	303.03454	13.42145	0.1808547	0.17811820	3.1284593	20	12 2.8	20.3
274264 2008 PZ_{6}	16.3	X	210.48887	99.49806	293.53644	7.87734	0.1059957	0.22837837	2.6507335	20	5 13.8	20.4
274265 2008 PJ_{7}	15.9	X	158.18720	79.38560	249.61565	6.44976	0.0512759	0.20603874	2.8390309	20	1 1.5	20.1
274266 2008 PB_{8}	17.6	X	239.12403	95.81312	175.52009	6.51690	0.2151288	0.29854007	2.2171800	20	1 1.6	21.4
274267 2008 PG_{8}	16.0	X	306.84273	306.13677	305.84866	10.87659	0.1457950	0.22496175	2.6775048	20	2 27.5	19.7
274268 2008 PQ_{9}	16.7	X	57.69307	307.24916	4.44658	5.48622	0.2137274	0.26047870	2.4282193	20	12 12.7	20.4
274269 2008 PM_{11}	17.0	X	168.57993	135.85205	121.56711	4.65463	0.1484448	0.27873338	2.3210085	20	—	—
274270 2008 PP_{11}	16.3	X	33.29008	183.90281	143.28024	8.14556	0.1788569	0.25958322	2.4338005	20	12 2.4	19.5
274271 2008 PZ_{11}	17.9	X	177.44104	120.02006	166.66338	3.33691	0.1801701	0.28554594	2.2839437	20	—	—
274272 2008 PC_{12}	14.0	X	294.98697	242.11694	166.18827	4.67593	0.1001082	0.08183603	5.2541971	20	9 2.9	20.7
274273 2008 PQ_{12}	16.6	X	319.92783	19.40600	325.36381	2.29663	0.0785566	0.24646377	2.5194205	20	8 11.4	19.2
274274 2008 PB_{13}	17.0	X	176.68746	280.58652	356.79907	0.91115	0.1532792	0.28440220	2.2900629	20	—	—
274275 2008 PG_{14}	17.5	X	172.42941	31.19048	265.73944	0.41065	0.2046895	0.28691899	2.2766513	20	—	—
274276 2008 PA_{16}	17.7	X	174.88949	295.69480	352.96770	2.88957	0.2118470	0.28589436	2.2820876	20	—	—
274277 2008 PU_{18}	15.8	X	89.77714	310.09088	89.33118	8.12984	0.2957278	0.19757090	2.9195823	20	2 13.8	19.8
274278 2008 PM_{20}	16.6	X	14.35747	300.18664	27.12734	6.93534	0.1353257	0.25219314	2.4811168	20	10 25.2	19.4
274279 2008 PK_{21}	16.2	X	16.76665	268.78137	59.85862	8.38722	0.1321613	0.25357039	2.4721246	20	11 1.9	18.9
274280 2008 PQ_{21}	15.9	X	178.14664	339.64803	42.71915	8.94092	0.2168792	0.21579316	2.7528186	20	4 4.9	20.6
274281 2008 QK_{2}	16.8	X	99.36797	244.55147	48.62975	3.39280	0.1788579	0.26622989	2.3931220	20	12 27.3	20.5
274282 2008 QW_{2}	16.0	X	299.05390	141.54727	167.39971	12.43556	0.2517959	0.23149368	2.6268985	20	4 22.4	19.5
274283 2008 QX_{2}	16.7	X	96.81313	333.48881	333.67136	2.38719	0.1854556	0.26651544	2.3914123	20	—	—
274284 2008 QM_{6}	16.5	X	100.76069	30.31663	198.80551	14.09706	0.1109614	0.25240893	2.4797024	20	10 2.2	20.1
274285 2008 QJ_{8}	16.5	X	161.91747	19.22325	338.53006	5.35519	0.0717857	0.20965208	2.8063162	20	2 12.0	20.5
274286 2008 QB_{9}	16.6	X	176.55827	197.62837	155.02344	4.90661	0.0836243	0.21127051	2.7919660	20	2 21.1	20.6
274287 2008 QO_{9}	16.6	X	100.64808	128.53975	164.13067	6.14640	0.1917971	0.26722050	2.3872040	20	12 28.1	20.5
274288 2008 QC_{10}	15.6	X	334.51112	246.56913	167.63697	11.93849	0.2199044	0.17355402	3.1830706	20	11 27.4	19.1
274289 2008 QV_{12}	16.3	X	81.03712	339.44780	324.05332	0.76661	0.1778322	0.18142551	3.0903225	20	12 7.5	20.9
274290 2008 QX_{13}	15.9	X	328.36013	233.76566	257.18167	7.40205	0.0989679	0.18979171	2.9988257	20	—	—
274291 2008 QF_{14}	16.7	X	60.65532	26.29344	169.93631	4.39971	0.0890943	0.23305263	2.6151707	20	6 23.3	20.0
274292 2008 QQ_{16}	16.3	X	207.84772	221.74219	160.79032	12.35104	0.1949142	0.22250894	2.6971457	20	4 29.9	21.0
274293 2008 QU_{16}	15.7	X	68.27818	161.70170	168.22171	12.61403	0.0668880	0.18005153	3.1060243	20	12 13.6	20.4
274294 2008 QR_{17}	17.0	X	220.65238	143.82519	150.58100	3.98549	0.1711170	0.21220450	2.7837677	20	1 24.7	21.5
274295 2008 QN_{18}	16.3	X	317.15614	270.36663	151.80759	0.62316	0.1525900	0.17359594	3.1825581	20	11 3.1	20.0
274296 2008 QJ_{19}	15.5	X	319.86174	230.06556	175.60739	13.29369	0.1598449	0.17168255	3.2061606	20	10 18.4	19.2
274297 2008 QN_{19}	15.6	X	337.93145	12.90369	31.99944	16.49222	0.2417441	0.17433978	3.1734992	20	11 17.2	18.7
274298 2008 QL_{22}	15.6	X	2.77702	110.78389	252.45327	7.57642	0.0985002	0.17042367	3.2219301	20	10 29.9	19.7
274299 2008 QM_{22}	15.6	X	19.34282	55.58685	290.69812	11.43887	0.1146666	0.17512100	3.1640541	20	11 2.5	19.9
274300 UNESCO	16.9	X	67.35210	356.98558	299.37583	3.70015	0.1415709	0.25964491	2.4334150	20	11 25.3	20.4
274301 Wikipedia	16.9	X	82.92792	139.46051	183.36778	6.73112	0.1464342	0.26819744	2.3814034	20	—	—
274302 Abaházi	15.4	X	88.62325	10.90163	297.39141	10.24847	0.0893292	0.18083924	3.0969981	20	12 12.0	20.1
274303 2008 QW_{25}	16.0	X	219.36080	227.23984	119.59692	3.70832	0.0855287	0.22116871	2.7080308	20	3 30.7	20.1
274304 2008 QW_{33}	16.6	X	236.43342	137.59839	179.41103	5.88133	0.1234363	0.21659565	2.7460150	20	3 7.3	20.8
274305 2008 QE_{34}	15.9	X	24.41379	175.25532	180.70010	1.25608	0.1092160	0.17344759	3.1843725	20	11 24.6	20.1
274306 2008 QH_{36}	17.2	X	65.03401	149.24628	175.07856	4.21352	0.1904709	0.26268814	2.4145845	20	—	—
274307 2008 QX_{36}	16.3	X	171.36538	176.56710	185.37086	3.85819	0.1133298	0.21122698	2.7923496	20	2 27.9	20.7
274308 2008 QN_{37}	16.0	X	43.64746	101.84515	355.07059	1.36587	0.0304566	0.20239395	2.8730137	20	1 15.1	19.7
274309 2008 QX_{38}	17.0	X	302.19966	115.97518	225.11764	2.17130	0.2384596	0.23664006	2.5886731	20	6 10.5	19.7
274310 2008 QZ_{38}	15.6	X	333.87426	150.43515	341.43978	10.98695	0.0219474	0.19230317	2.9726590	20	—	—
274311 2008 QX_{39}	16.4	X	241.74896	141.60177	186.18962	10.79430	0.1558582	0.22085311	2.7106100	20	3 23.2	20.5
274312 2008 QH_{41}	16.6	X	93.65303	165.69831	229.36064	1.08191	0.0756909	0.20004077	2.8955009	20	1 9.3	20.5
274313 2008 QE_{42}	16.0	X	27.62275	169.19111	163.44513	5.14196	0.1687279	0.17032603	3.2231612	20	11 9.1	20.1
274314 2008 QC_{45}	16.1	X	10.06390	248.29115	189.42237	8.64197	0.0463327	0.18672237	3.0315994	20	—	—
274315 2008 QG_{45}	15.9	X	191.75741	117.40811	242.47419	7.91134	0.1739069	0.21436503	2.7650315	20	3 13.8	20.6
274316 2008 QB_{47}	16.3	X	88.61356	134.16654	249.87252	1.72107	0.1082571	0.19472732	2.9479365	20	—	—
274317 2008 QJ_{48}	15.9	X	51.69368	46.49716	295.14682	8.10363	0.0886399	0.17959972	3.1112311	20	12 9.9	20.3
274318 2008 RK	15.9	X	199.07437	248.28197	119.61796	7.14707	0.0501015	0.21788675	2.7351564	20	4 6.9	19.9
274319 2008 RG_{4}	16.4	X	250.11837	10.19724	324.37204	2.40033	0.1513380	0.22310095	2.6923722	20	4 8.5	20.6
274320 2008 RQ_{4}	17.1	X	247.32712	113.38833	203.12289	2.38879	0.0809498	0.21821352	2.7324252	20	3 21.7	21.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
274321 2008 RK_5	16.1	X	167.88466	184.43754	172.87434	12.44909	0.0789427	0.20661055	2.8337904	20	2 16.4	20.4
274322 2008 RP_5	17.1	X	355.50375	279.85880	7.51972	11.81478	0.1911286	0.23868093	2.5738954	20	7 26.9	19.6
274323 2008 RT_5	17.1	X	72.64387	263.94075	47.33445	2.04560	0.1818103	0.26122779	2.4235750	20	12 24.2	20.8
274324 2008 RK_8	15.8	X	165.27767	0.15284	231.39521	3.94485	0.0455366	0.17841669	3.1249691	20	11 30.2	20.3
274325 2008 RR_9	16.3	X	49.88903	29.73776	343.60015	7.84160	0.1242413	0.18139001	3.0907257	20	—	—
274326 2008 RZ_9	16.4	X	166.76621	263.51419	348.66145	9.61903	0.2196793	0.18552051	3.0446784	20	12 20.1	21.7
274327 2008 RS_{11}	16.9	X	30.59197	70.38726	164.36223	12.03455	0.1510535	0.23426192	2.6061631	20	7 8.5	20.0
274328 2008 RX_{11}	16.4	X	42.28352	39.44219	55.40517	2.75486	0.0293611	0.19994709	2.8964052	20	1 11.2	20.3
274329 2008 RC_{16}	16.3	X	358.28291	260.29007	331.30050	8.47221	0.1653487	0.22578439	2.6709972	20	4 24.5	19.1
274330 2008 RW_{16}	17.3	X	339.00454	59.00795	225.90047	4.23417	0.1884486	0.23484730	2.6018305	20	6 7.2	19.7
274331 2008 RF_{19}	16.1	X	24.40303	221.08714	221.09058	3.58621	0.1024045	0.19093137	2.9868806	20	—	—
274332 2008 RU_{20}	15.3	X	240.64204	207.97615	348.97587	15.93515	0.0355820	0.18646506	3.0343877	20	—	—
274333 Voznyukigor	16.0	X	245.82998	157.06234	188.27613	12.45212	0.1181138	0.22513937	2.6760964	20	4 23.5	19.9
274334 Kyivplaniy	16.1	X	249.09747	177.91068	161.68880	6.19621	0.1907624	0.22532510	2.6746256	20	4 12.7	20.2
274335 2008 RW_{22}	15.4	X	347.50263	44.69887	24.21408	5.52004	0.0297485	0.17550232	3.1594693	20	12 26.3	19.8
274336 2008 RF_{23}	16.3	X	6.36067	318.89027	342.75032	5.81137	0.2131140	0.24249964	2.5468028	20	9 11.6	18.4
274337 2008 RP_{25}	16.0	X	263.36602	176.18882	179.38438	17.69777	0.1682272	0.22854860	2.6494171	20	5 21.6	20.1
274338 2008 RV_{29}	15.2	X	30.23664	240.39111	356.03979	8.94928	0.0387520	0.14727222	3.5513120	20	6 24.5	20.2
274339 2008 RE_{31}	17.0	X	212.70961	344.62720	331.13008	1.28194	0.0667083	0.21032079	2.8003646	20	2 14.4	21.1
274340 2008 RE_{32}	16.7	X	216.06967	156.14107	170.00181	2.97862	0.1830666	0.21443661	2.7644162	20	2 26.4	21.3
274341 2008 RS_{34}	15.9	X	18.63420	32.86828	337.45374	5.17229	0.1297422	0.17493985	3.1662379	20	12 6.3	20.1
274342 2008 RT_{34}	17.1	X	6.91028	15.55008	253.44449	1.30205	0.1149392	0.23612866	2.5924093	20	7 12.4	19.7
274343 2008 RH_{35}	16.0	X	287.53985	296.63837	184.24031	9.56025	0.0533721	0.17856226	3.1232705	20	12 11.6	20.3
274344 2008 RM_{35}	14.9	X	125.25371	246.29984	186.35448	5.72436	0.2680479	0.12400070	3.9827828	20	4 26.5	21.3
274345 2008 RC_{37}	16.8	X	73.10531	34.37600	181.58790	8.79007	0.1050955	0.23811328	2.5779845	20	8 8.4	20.4
274346 2008 RS_{37}	15.9	X	20.26092	55.91514	355.98569	9.78799	0.1147487	0.18344107	3.0676443	20	—	—
274347 2008 RU_{37}	16.4	X	296.08358	93.72316	351.23815	5.59571	0.1505193	0.17010242	3.2259853	20	10 25.3	20.5
274348 2008 RP_{38}	15.8	X	250.85928	151.09334	0.05646	12.28344	0.1033931	0.17675035	3.1445791	20	11 19.8	20.4
274349 2008 RP_{39}	16.3	X	319.97506	292.95557	180.83152	17.51822	0.1000530	0.18266565	3.0763196	20	—	—
274350 2008 RB_{40}	16.7	X	153.90772	18.21664	337.52863	1.31183	0.0790723	0.20330568	2.8644179	20	2 1.8	20.7
274351 2008 RD_{41}	17.6	X	302.86258	131.45417	181.60215	2.01182	0.2077243	0.23182369	2.6244049	20	5 8.1	20.8
274352 2008 RH_{41}	16.3	X	294.38857	277.32982	3.00406	4.57586	0.0797492	0.22014415	2.7164264	20	4 1.8	19.7
274353 2008 RA_{47}	16.7	X	216.92794	144.48151	187.48489	4.91643	0.1580482	0.21306303	2.7762846	20	3 5.3	21.2
274354 2008 RN_{47}	17.5	X	132.80349	140.81498	137.36335	3.57180	0.2076343	0.27362459	2.3498094	20	—	—
274355 2008 RL_{62}	16.5	X	219.91255	299.85188	6.30874	5.71578	0.1075155	0.21040296	2.7996354	20	2 10.9	20.9
274356 2008 RE_{63}	16.3	X	230.88664	288.00580	3.23252	10.19403	0.1915469	0.21162765	2.7888240	20	2 1.6	21.0
274357 2008 RN_{65}	17.1	X	80.86534	236.95348	80.94374	2.30729	0.1942136	0.26562650	2.3967448	20	—	—
274358 2008 RJ_{66}	15.8	X	48.00732	347.68405	91.43689	3.31230	0.0211270	0.19793768	2.9159746	20	—	—
274359 2008 RW_{66}	16.6	X	230.18904	225.32545	101.34268	3.34101	0.1778392	0.21737870	2.7394165	20	3 11.9	21.2
274360 2008 RM_{68}	16.2	X	286.97821	308.15156	17.19712	11.62233	0.2022473	0.22950692	2.6420367	20	4 30.1	19.9
274361 2008 RY_{68}	16.3	X	138.76311	112.65605	210.69327	8.09383	0.0817046	0.19200041	2.9757831	20	—	—
274362 2008 RH_{69}	16.3	X	322.99920	65.86501	15.08328	6.95339	0.1364153	0.17479658	3.1679678	20	12 7.0	20.0
274363 2008 RZ_{69}	16.5	X	278.10518	141.56726	185.60811	8.51598	0.1303828	0.22978484	2.6399061	20	5 6.4	20.1
274364 2008 RP_{71}	16.3	X	83.83964	305.79461	156.43815	13.74735	0.0185252	0.21764562	2.7371763	20	3 12.1	19.9
274365 2008 RD_{72}	16.4	X	342.54577	89.39033	160.76198	14.60344	0.0615457	0.22939334	2.6429089	20	5 8.0	19.9
274366 2008 RP_{72}	17.1	X	274.92745	161.01430	161.11761	4.82963	0.1226176	0.22898263	2.6460682	20	4 26.8	20.7
274367 2008 RW_{72}	16.6	X	177.34659	30.10509	326.78224	2.79952	0.1105639	0.21222272	2.7836083	20	2 27.9	20.9
274368 2008 RH_{74}	16.0	X	65.20931	187.02394	157.20828	5.30751	0.1276661	0.18203224	3.0834519	20	—	—
274369 2008 RL_{75}	15.4	X	202.90421	327.82779	1.37305	34.46882	0.1795180	0.21161801	2.7889087	20	3 3.9	20.4
274370 2008 RC_{76}	16.5	X	187.26661	166.52963	142.43569	3.19076	0.0283494	0.20211899	2.8756187	20	1 9.5	20.7
274371 2008 RF_{77}	15.3	X	358.49960	60.71150	10.83488	11.13297	0.0313854	0.18025545	3.1036812	20	—	—
274372 2008 RK_{77}	16.4	X	259.05000	323.51939	344.52344	1.59705	0.1355384	0.21764470	2.7371839	20	3 18.6	20.5
274373 2008 RU_{77}	15.7	X	182.72567	32.77802	279.96805	0.93613	0.0512796	0.19813216	2.9140661	20	1 10.9	20.0
274374 2008 RP_{78}	16.4	X	249.50777	13.03132	306.56269	3.93074	0.1065085	0.21827108	2.7319448	20	3 24.0	20.4
274375 2008 RS_{80}	16.1	X	94.42735	340.44802	9.37398	15.01627	0.1131204	0.18728882	3.0254837	20	—	—
274376 2008 RF_{86}	16.6	X	355.68299	339.28474	231.88084	10.43191	0.1398588	0.21693293	2.7431680	20	3 23.3	19.7
274377 2008 RP_{89}	15.5	X	323.63716	275.16742	203.88313	16.01125	0.0531853	0.18425425	3.0586119	20	—	—
274378 2008 RH_{95}	17.0	X	98.98381	93.77339	193.70924	6.11499	0.1144875	0.26511078	2.3998520	20	12 16.8	20.7
274379 2008 RX_{95}	16.5	X	280.04764	163.52849	171.32727	12.83977	0.1480996	0.23260927	2.6184927	20	5 17.8	20.2
274380 2008 RT_{99}	16.3	X	87.21496	338.07551	26.71947	2.52962	0.1488776	0.18909978	3.0061365	20	—	—
274381 2008 RA_{100}	16.4	X	193.39430	350.38490	352.67223	7.86000	0.2252544	0.21082956	2.7958576	20	2 29.5	21.3
274382 2008 RE_{100}	16.1	X	6.40094	318.89172	197.67905	4.97774	0.0626364	0.20309020	2.8664436	20	2 5.6	19.8
274383 2008 RU_{100}	16.2	X	236.45345	27.51892	268.00812	3.37379	0.0809520	0.21238776	2.7821661	20	2 12.8	20.3
274384 2008 RU_{104}	15.3	X	4.40350	47.08898	1.39227	17.55059	0.1485640	0.17994196	3.1072850	20	—	—
274385 2008 RC_{105}	16.1	X	147.52366	317.22006	48.26741	3.38269	0.2064197	0.20471046	2.8512986	20	2 19.1	20.8
274386 2008 RY_{106}	16.3	X	284.49486	302.63076	32.75351	17.13247	0.1047876	0.23028399	2.6360899	20	5 24.3	19.9
274387 2008 RE_{107}	16.0	X	195.54439	85.74029	193.22642	10.71261	0.0622828	0.19191771	2.9766380	20	—	—
274388 2008 RH_{107}	16.5	X	294.52817	173.68917	143.97264	7.50811	0.2731809	0.22910503	2.6451256	20	4 24.7	20.1
274389 2008 RS_{107}	16.4	X	95.77450	38.75472	266.87037	6.29682	0.0688567	0.17842915	3.1248237	20	12 14.0	21.1
274390 2008 RB_{109}	17.2	X	24.04802	263.53973	9.24973	4.90363	0.1131418	0.23892957	2.5721095	20	8 20.3	20.0
274391 2008 RT_{109}	17.0	X	69.31124	83.78594	201.63741	2.39818	0.1600227	0.25378782	2.4707124	20	11 15.6	20.6
274392 2008 RG_{110}	16.4	X	309.48290	289.99518	6.01782	12.19491	0.1927007	0.23063803	2.6333915	20	4 22.8	19.6
274393 2008 RN_{112}	15.5	X	67.47165	122.35110	212.10061	8.78911	0.0853431	0.17933209	3.1143258	20	12 18.9	20.1
274394 2008 RD_{113}	16.1	X	282.03280	277.50942	213.09571	8.79110	0.0574651	0.17770167	3.1333462	20	12 14.9	20.4
274395 2008 RY_{113}	17.3	X	357.20278	303.37103	323.40768	1.65824	0.1324784	0.23419427	2.6066649	20	6 20.6	19.7
274396 2008 RF_{114}	16.7	X	232.22823	326.90465	0.33200	4.43286	0.0929763	0.21757624	2.7377581	20	3 18.2	20.8
274397 2008 RB_{115}	16.5	X	251.41457	312.71172	26.27315	4.88099	0.1314246	0.21845316	2.7304265	20	4 18.6	20.6
274398 2008 RY_{121}	16.6	X	211.61138	323.30982	241.41522	4.40725	0.0590911	0.18317982	3.0705603	20	12 18.9	20.9
274399 2008 RQ_{122}	17.4	X	353.73249	265.33131	27.06440	5.86597	0.1659150	0.23881471	2.5729341	20	7 27.2	19.8
274400 2008 RP_{124}	16.1	X	14.72856	169.73024	180.83791	6.29285	0.0683080	0.17007280	3.2263599	20	10 31.2	20.3

Planet		H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
		m		°	°	°	°		°				
274401	2008 RW_{124}	13.1	X	310.12384	9.48824	33.95297	4.63691	0.0531300	0.08032863	5.3197243	20	9 22.7	19.9
274402	2008 RW_{125}	16.2	X	91.23007	248.66883	235.37974	3.81914	0.0616674	0.21895131	2.7262835	20	4 23.7	19.8
274403	2008 RH_{128}	16.1	X	238.09426	345.39535	174.99356	12.37644	0.0569303	0.17887181	3.1196661	20	11 28.1	20.7
274404	2008 RT_{128}	13.7	X	167.45662	257.69356	308.08272	3.93674	0.0411023	0.08386368	5.1691616	20	10 16.6	20.8
274405	2008 RV_{130}	16.4	X	143.49755	239.55112	96.44535	3.32638	0.1097890	0.19615230	2.9336420	20	1 2.2	20.5
274406	2008 RD_{134}	16.3	X	208.90371	262.75647	114.28433	6.47462	0.0909010	0.22115368	2.7081535	20	4 27.4	20.4
274407	2008 RN_{134}	16.2	X	112.50864	339.73338	29.47881	2.29489	0.1859339	0.19881923	2.9073487	20	1 17.5	20.3
274408	2008 RU_{138}	16.0	X	290.57560	126.61022	124.30449	5.32497	0.0098274	0.20905231	2.8116812	20	3 3.5	19.8
274409	2008 RU_{140}	15.2	X	206.46354	206.68562	13.14083	15.84634	0.0412962	0.17977072	3.1092579	20	—	—
274410	2008 RG_{141}	16.6	X	310.21389	184.05625	130.42720	5.18328	0.1957676	0.23393172	2.6086149	20	5 25.2	19.5
274411	2008 RF_{144}	15.3	X	181.87347	252.75507	350.25201	8.08351	0.1778543	0.18834352	3.0141782	20	12 24.6	20.3
274412	2008 RH_{145}	16.5	X	214.19609	93.67020	142.27398	0.37527	0.0913368	0.19033451	2.9931215	20	—	—
274413	2008 SC_{3}	15.8	X	282.43859	268.50004	17.15046	9.29462	0.0971849	0.22007055	2.7170320	20	3 23.8	19.4
274414	2008 SL_{4}	15.7	X	342.04235	276.21428	137.90228	7.11550	0.1365932	0.17388069	3.1790826	20	12 6.9	19.6
274415	2008 SB_{5}	15.9	X	228.62599	351.64144	25.56667	13.89052	0.2717113	0.22394358	2.6856143	20	5 1.2	20.5
274416	2008 SE_{7}	15.9	X	174.45580	106.13768	247.10493	8.35085	0.1666382	0.20942244	2.8083672	20	2 20.0	20.7
274417	2008 SN_{10}	16.4	X	84.78782	155.93397	232.71123	1.07751	0.1174362	0.19529881	2.9421828	20	—	—
274418	2008 SS_{10}	16.4	X	4.08412	182.87184	211.26308	0.47364	0.1527526	0.17713828	3.1399864	20	12 18.7	20.1
274419	2008 SQ_{12}	16.2	X	5.75652	76.34121	326.92467	2.32624	0.1118729	0.17801461	3.1296729	20	12 28.0	20.1
274420	2008 SP_{13}	16.4	X	151.57554	200.95321	162.77254	5.83741	0.0601661	0.21003975	2.8028620	20	2 5.2	20.4
274421	2008 SN_{15}	15.8	X	354.62022	108.32609	332.29891	14.24133	0.1205785	0.18831274	3.0145067	20	—	—
274422	2008 SN_{17}	17.6	X	223.94663	305.36114	318.38251	5.32069	0.2711753	0.29326307	2.2436983	20	—	—
274423	2008 SP_{17}	16.5	X	180.39860	74.27265	305.75705	5.12882	0.0276658	0.21955709	2.7212665	20	3 24.9	20.3
274424	2008 SY_{20}	17.2	X	275.24153	154.65103	148.18805	2.13407	0.0649225	0.22459103	2.6804504	20	4 9.6	20.9
274425	2008 SA_{21}	16.4	X	26.88423	167.39525	191.87123	4.84477	0.1490135	0.17750507	3.1356593	20	12 8.6	20.5
274426	2008 SY_{27}	17.5	X	128.89284	269.46989	12.40304	4.52342	0.2243880	0.26947187	2.3738891	20	—	—
274427	2008 SE_{29}	16.2	X	51.74531	26.83423	343.23007	5.35116	0.1633868	0.18110923	3.0939194	20	—	—
274428	2008 SX_{29}	16.6	X	274.83054	129.09148	220.66564	2.99566	0.2388585	0.23040818	2.6351426	20	5 15.2	20.3
274429	2008 SA_{30}	16.4	X	185.49399	172.06611	208.46843	5.55763	0.0473044	0.21397325	2.7684057	20	4 3.4	20.3
274430	2008 SF_{31}	17.5	X	202.26339	92.59285	187.37055	5.20803	0.1794288	0.28895691	2.2659343	20	—	—
274431	2008 SJ_{31}	15.9	X	58.46813	60.25386	326.74790	7.80180	0.0823117	0.18553153	3.0445578	20	—	—
274432	2008 SK_{31}	16.3	X	85.82010	149.62913	232.42791	8.58473	0.0732960	0.19103439	2.9858066	20	—	—
274433	2008 SZ_{35}	17.7	X	41.13734	180.59665	123.29074	1.57633	0.1952810	0.25094810	2.4893165	20	11 11.3	20.9
274434	2008 SP_{36}	15.8	X	80.24279	200.34654	169.51192	11.74035	0.1197589	0.19124492	2.9836150	20	—	—
274435	2008 SR_{37}	17.1	X	322.17195	289.95699	23.37272	3.45894	0.2655001	0.23621557	2.5917735	20	6 1.6	19.3
274436	2008 SC_{39}	15.8	X	200.10587	235.36660	25.74274	8.96528	0.0415901	0.18978022	2.9989467	20	—	—
274437	2008 SG_{39}	15.7	X	353.38299	43.40716	26.00950	11.38577	0.0827461	0.17830823	3.1262362	20	—	—
274438	2008 SM_{41}	15.6	X	345.77919	37.46578	4.33986	13.59516	0.2278008	0.17358884	3.1826449	20	11 29.1	19.1
274439	2008 SS_{43}	15.7	X	155.46597	238.75106	19.89908	10.82628	0.0510327	0.17770765	3.1332758	20	12 20.4	20.5
274440	2008 SQ_{44}	16.2	X	17.03037	163.96849	213.79046	1.82617	0.0954428	0.17597459	3.1538139	20	12 9.9	20.3
274441	2008 SZ_{44}	15.8	X	30.50819	181.45141	199.73087	2.87877	0.1035014	0.17679961	3.1439951	20	—	—
274442	2008 SP_{45}	15.6	X	292.24884	336.82615	199.85407	9.71908	0.1686922	0.18704600	3.0281015	20	—	—
274443	2008 SH_{47}	16.2	X	315.08252	308.93868	32.96059	6.96789	0.1560590	0.23601350	2.5932526	20	7 21.8	19.0
274444	2008 SR_{47}	16.0	X	180.10536	61.20355	291.93348	3.32185	0.0859310	0.21079453	2.7961673	20	2 24.5	20.2
274445	2008 SC_{48}	15.8	X	53.00893	325.83184	191.76793	9.34365	0.1223619	0.21624363	2.7489943	20	4 24.9	19.0
274446	2008 ST_{48}	15.7	X	51.92928	359.16563	355.79007	9.27983	0.0779974	0.17932554	3.1144017	20	12 25.1	20.3
274447	2008 SJ_{49}	16.6	X	335.63973	114.44613	343.96453	2.40523	0.0669681	0.18353066	3.0666459	20	—	—
274448	2008 SY_{49}	16.7	X	312.76349	95.40413	193.57689	2.67650	0.1144940	0.22739675	2.6583565	20	5 5.2	19.8
274449	2008 SP_{50}	16.3	X	120.94773	59.80008	343.47828	1.53832	0.0741536	0.20497653	2.8488306	20	2 21.6	20.1
274450	2008 SF_{52}	16.2	X	100.13961	262.68139	54.12439	0.02176	0.1276231	0.18210931	3.0825819	20	—	—
274451	2008 SK_{52}	16.6	X	230.84891	152.02464	190.67878	5.17272	0.1555174	0.21843226	2.7306007	20	3 31.5	21.0
274452	2008 SM_{53}	16.1	X	298.72681	265.24858	192.23676	17.53704	0.1289880	0.17107944	3.2136914	20	11 20.6	20.3
274453	2008 SX_{55}	16.3	X	342.57347	234.19558	198.51926	9.03624	0.0641342	0.17540255	3.1606673	20	12 25.7	20.6
274454	2008 SE_{57}	15.8	X	48.87056	355.33692	35.38376	5.82677	0.1406178	0.18192173	3.0847004	20	—	—
274455	2008 SZ_{58}	16.5	X	96.99871	256.31935	29.87581	11.26232	0.2495432	0.26025823	2.4295905	20	12 17.9	20.8
274456	2008 SZ_{60}	17.3	X	111.23664	17.86977	296.59520	1.20484	0.2366058	0.27159807	2.3614836	20	—	—
274457	2008 SA_{62}	17.0	X	233.19172	127.64093	172.32387	13.10379	0.1138163	0.21512818	2.7584885	20	2 12.0	21.3
274458	2008 SR_{63}	16.3	X	218.35236	247.52567	281.04676	3.51037	0.1350791	0.17178830	3.2048447	20	11 1.9	21.2
274459	2008 SX_{64}	17.3	X	37.48493	223.84921	29.29207	3.87493	0.0833105	0.23938599	2.5688391	20	8 9.3	20.3
274460	2008 SG_{65}	15.7	X	107.45099	276.23154	24.72205	9.32220	0.0416403	0.17433220	3.1735911	20	12 17.3	20.4
274461	2008 SB_{66}	16.0	X	55.35424	332.67720	31.31849	10.34969	0.0921169	0.17665158	3.1457511	20	—	—
274462	2008 SQ_{67}	15.7	X	84.27759	341.32364	30.66930	7.49502	0.0262650	0.18536345	3.0463980	20	—	—
274463	2008 ST_{67}	15.5	X	32.79932	217.08561	182.17524	10.41598	0.0689997	0.18054580	3.1003529	20	—	—
274464	2008 SZ_{68}	16.6	X	222.26388	311.71861	357.94616	4.50997	0.0584053	0.21359180	2.7717007	20	2 18.2	20.7
274465	2008 SS_{69}	15.5	X	309.07859	354.46992	334.07220	9.18444	0.1046736	0.15231804	3.4724433	20	6 23.2	20.2
274466	2008 SU_{69}	16.3	X	244.16878	320.17314	347.58034	3.93071	0.0564206	0.21189181	2.7865057	20	3 10.5	20.4
274467	2008 SJ_{79}	16.2	X	249.29909	47.67979	206.20287	5.39150	0.0107505	0.20161032	2.8804536	20	1 14.7	20.3
274468	2008 SL_{80}	15.3	X	83.35577	347.26605	3.12815	9.56422	0.0451561	0.18018915	3.1044425	20	—	—
274469	2008 SR_{81}	16.6	X	226.83988	246.99275	138.59466	6.27717	0.0334838	0.22818704	2.6522150	20	6 1.2	20.3
274470	2008 SM_{82}	16.1	X	144.34006	337.93881	64.15376	6.63987	0.0076802	0.21323552	2.7747872	20	3 13.7	20.0
274471	2008 SX_{82}	16.1	X	291.36253	148.53326	174.00295	13.07481	0.2512103	0.23069391	2.6329663	20	4 30.3	19.8
274472	Piet	16.5	X	262.36662	177.44746	137.76988	9.38733	0.2273689	0.21965357	2.7204696	20	3 24.4	20.8
274473	2008 SL_{87}	15.7	X	359.36279	49.33156	19.29634	10.81037	0.0753722	0.17938343	3.1137316	20	—	—
274474	2008 SP_{89}	15.4	X	302.50027	164.92168	350.37035	10.77562	0.0967848	0.18864923	3.0109210	20	—	—
274475	2008 SY_{90}	16.9	X	238.93700	101.71028	216.02110	2.75941	0.1918365	0.21561748	2.7543137	20	3 5.7	21.4
274476	2008 SJ_{93}	15.9	X	272.97373	329.54241	223.25026	7.90522	0.0468057	0.18886817	3.0085937	20	—	—
274477	2008 ST_{95}	15.9	X	210.72293	147.86073	210.29264	8.56421	0.1728270	0.21494715	2.7600371	20	3 30.2	20.6
274478	2008 SR_{96}	15.8	X	159.80355	283.58139	5.76721	10.31237	0.0729016	0.18714664	3.0270158	20	—	—
274479	2008 SG_{100}	16.3	X	292.39518	266.23176	76.67078	4.55702	0.1006543	0.23002038	2.6381035	20	6 20.2	19.4
274480	2008 SX_{100}	16.2	X	139.58874	92.12740	149.71987	6.10658	0.0440362	0.16909859	3.2387397	20	11 14.5	21.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
274481 2008 SH_{101}	16.6	X	251.67208	250.93577	71.27206	5.94280	0.1621051	0.21770310	2.7366944	20	3 29.0	20.9
274482 2008 SC_{102}	16.4	X	8.98588	177.21700	91.76017	4.91618	0.1192674	0.23129325	2.6284158	20	7 16.8	19.2
274483 2008 SE_{102}	16.7	X	309.86242	206.15226	104.74597	4.70689	0.1507154	0.22837379	2.6507690	20	5 26.3	19.8
274484 2008 SP_{104}	16.5	X	263.72879	287.04474	31.54264	4.18541	0.1799392	0.21914344	2.7246898	20	4 1.7	20.4
274485 2008 SU_{104}	16.4	X	58.53091	160.33406	207.46406	2.91840	0.1762102	0.17954773	3.1118317	20	—	—
274486 2008 SZ_{104}	16.1	X	4.75856	122.45173	206.83581	14.45305	0.1059509	0.24298951	2.5433787	20	10 4.7	19.0
274487 2008 SQ_{109}	15.4	X	11.88845	298.48531	64.68068	2.74123	0.0651164	0.16954004	3.2331153	20	11 10.3	19.6
274488 2008 SU_{109}	16.0	X	196.24649	225.75877	56.48221	3.98079	0.0760854	0.19520030	2.9431725	20	—	—
274489 2008 SD_{111}	16.7	X	290.85239	246.83630	60.83233	4.43889	0.1615512	0.22494534	2.6776351	20	4 22.0	20.1
274490 2008 SY_{115}	15.7	X	175.69058	320.30988	34.48798	12.69637	0.1456014	0.20648734	2.8349176	20	3 3.1	20.4
274491 2008 SF_{116}	16.5	X	268.97345	133.49623	181.74976	10.69264	0.2089289	0.22148469	2.7054546	20	3 30.3	20.7
274492 2008 SJ_{116}	16.0	X	175.20342	264.71474	74.06827	4.39800	0.0652701	0.20087780	2.8874519	20	2 4.6	20.2
274493 2008 SM_{118}	16.3	X	180.32817	17.22162	202.11738	1.61043	0.0156257	0.17249513	3.1960838	20	12 2.9	20.9
274494 2008 SN_{124}	15.9	X	250.17967	305.98164	231.97606	3.60286	0.0925513	0.17755991	3.1350137	20	12 26.4	20.3
274495 2008 SD_{125}	15.9	X	323.44868	243.93508	19.75223	12.65232	0.2392952	0.22205024	2.7008589	20	3 30.1	19.0
274496 2008 SA_{128}	16.3	X	84.75509	145.35945	236.34209	4.57983	0.1609383	0.18820770	3.0156282	20	—	—
274497 2008 SE_{129}	15.8	X	73.61005	325.38208	17.81815	10.73485	0.0547245	0.17625237	3.1504994	20	—	—
274498 2008 SD_{132}	16.1	X	296.63043	300.51325	223.54385	6.67591	0.0723076	0.18368376	3.0649416	20	—	—
274499 2008 SJ_{132}	16.0	X	94.75181	345.51075	303.55194	1.33643	0.1143917	0.17018188	3.2249810	20	11 26.0	21.0
274500 2008 SZ_{133}	16.1	X	128.26549	117.63825	313.19080	3.97005	0.0976847	0.21670553	2.7450866	20	4 4.4	20.1
274501 2008 ST_{135}	16.2	X	132.67279	264.70587	140.19010	5.18702	0.0774447	0.21052919	2.7985163	20	3 9.1	20.2
274502 2008 SF_{137}	15.6	X	290.54350	141.39292	222.06269	12.24663	0.1784007	0.23127171	2.6285791	20	7 1.9	19.0
274503 2008 SC_{139}	16.2	X	245.73861	204.40804	154.32466	5.42431	0.0867776	0.22062776	2.7124554	20	5 14.4	20.1
274504 2008 SU_{140}	15.9	X	156.88938	328.69187	300.64432	10.58643	0.0616173	0.18376797	3.0640052	20	—	—
274505 2008 SP_{142}	16.0	X	68.29637	191.71774	202.65134	9.93921	0.1132607	0.18545664	3.0453775	20	—	—
274506 2008 SV_{144}	14.3	X	318.05584	138.39580	298.79150	1.17225	0.0512458	0.08382481	5.1707592	20	11 7.7	20.8
274507 2008 SP_{147}	16.1	X	301.50353	320.11706	296.16189	5.97428	0.0836587	0.21554232	2.7549540	20	3 8.5	19.9
274508 2008 SA_{150}	16.3	X	213.39157	187.25431	178.70476	3.53333	0.2084752	0.21728820	2.7401770	20	4 11.4	20.8
274509 2008 SK_{153}	16.4	X	61.40831	229.25371	151.56917	3.23294	0.1333237	0.18720491	3.0263877	20	—	—
274510 2008 SG_{155}	16.2	X	158.72850	272.40478	89.07711	3.08208	0.0872363	0.20430552	2.8550649	20	2 15.3	20.4
274511 2008 SW_{158}	16.4	X	142.90227	201.76646	201.80266	4.35740	0.0219978	0.21083316	2.7958258	20	3 10.9	20.4
274512 2008 SP_{159}	15.4	X	27.71377	7.10041	8.87394	10.57891	0.2095030	0.17678133	3.1442118	20	—	—
274513 2008 SE_{160}	15.9	X	46.35456	225.05280	195.64966	10.24235	0.1204478	0.18832667	3.0143580	20	—	—
274514 2008 SA_{161}	16.3	X	315.33689	121.40296	184.03736	7.91606	0.1216617	0.23156114	2.6263883	20	6 1.4	19.4
274515 2008 SO_{161}	15.3	X	32.15695	24.12638	10.09143	17.13850	0.2313742	0.18089365	3.0963770	20	—	—
274516 2008 SF_{162}	17.1	X	20.39394	249.08617	47.46569	3.35557	0.1348711	0.24456503	2.5324437	20	9 21.6	19.8
274517 2008 ST_{163}	15.8	X	236.21622	256.55017	31.08219	6.53533	0.0385043	0.20584623	2.8408007	20	2 10.6	20.0
274518 2008 SB_{167}	15.8	X	2.39138	44.79369	27.43506	17.06923	0.1743016	0.17832849	3.1259994	20	—	—
274519 2008 SV_{172}	15.9	X	358.16376	225.92429	166.17927	6.64942	0.1060643	0.17084247	3.2166624	20	12 1.6	20.0
274520 2008 SN_{178}	16.0	X	17.30526	211.90489	108.66466	1.35106	0.3526807	0.16903722	3.2395236	20	11 4.9	19.6
274521 2008 SA_{183}	16.3	X	284.73994	327.86314	195.12963	5.36747	0.0250593	0.18063670	3.0993127	20	—	—
274522 2008 SC_{189}	16.4	X	108.96420	176.46796	206.31098	4.75708	0.1371615	0.19988806	2.8969754	20	1 21.2	20.5
274523 2008 SK_{189}	16.8	X	279.30566	24.55410	278.07204	1.63967	0.1692746	0.22113012	2.7083458	20	3 29.2	20.7
274524 2008 SF_{196}	16.4	X	186.13047	313.86921	43.82145	2.58254	0.0816018	0.20582050	2.8410375	20	3 9.8	20.7
274525 2008 SY_{200}	16.0	X	286.20602	293.38041	19.57642	11.00286	0.1532659	0.22213518	2.7001703	20	4 21.6	19.5
274526 2008 ST_{204}	16.2	X	154.08855	161.63758	163.91325	4.89257	0.1281028	0.19186319	2.9772018	20	1 2.8	20.7
274527 2008 SK_{205}	15.4	X	4.80102	222.24946	159.44857	5.70326	0.1149768	0.16841431	3.2475067	20	11 28.7	19.5
274528 2008 SH_{207}	16.1	X	317.30216	260.34488	261.50767	6.20452	0.1402534	0.19305534	2.9649326	20	—	—
274529 2008 SN_{213}	16.6	X	12.82790	32.48162	0.06809	9.91264	0.0723451	0.17713938	3.1399734	20	12 19.4	20.9
274530 2008 SN_{217}	15.5	X	71.86775	333.23653	30.13310	9.95765	0.0364280	0.17989072	3.1078750	20	—	—
274531 2008 SJ_{219}	16.0	X	37.37925	194.28092	249.85301	2.56490	0.0513333	0.19436956	2.9515527	20	—	—
274532 2008 SD_{220}	15.9	X	133.10642	79.92630	197.80685	13.05524	0.0546877	0.17999332	3.1066939	20	12 19.8	20.7
274533 2008 SJ_{228}	15.6	X	292.82663	283.44149	215.37074	9.95076	0.0477868	0.18345625	3.0674751	20	—	—
274534 2008 SN_{229}	15.7	X	337.11874	88.79258	349.81253	14.68622	0.0439881	0.17922283	3.1155913	20	12 27.5	20.1
274535 2008 SA_{236}	16.8	X	309.52318	290.83517	354.20454	3.52026	0.0580790	0.22294894	2.6935959	20	5 1.5	20.1
274536 2008 SD_{236}	15.8	X	282.69110	120.45846	226.77182	4.38624	0.3412901	0.23245321	2.6196645	20	5 6.7	19.6
274537 2008 SO_{236}	16.3	X	33.93873	216.23687	216.96626	8.29177	0.0946422	0.18699307	3.0286729	20	—	—
274538 2008 SR_{236}	16.2	X	235.11624	111.30870	247.25879	2.94451	0.0941373	0.22042479	2.7141203	20	4 28.9	20.3
274539 2008 SR_{237}	16.4	X	142.62581	106.27569	237.43382	0.96565	0.1010978	0.20066653	2.8894782	20	1 8.6	20.6
274540 2008 SU_{239}	16.0	X	220.14991	299.41646	43.48149	10.23155	0.1141761	0.21368162	2.7709239	20	3 27.9	20.3
274541 2008 SL_{246}	16.1	X	82.49503	198.39636	198.78438	11.63960	0.0638524	0.19455292	2.9496980	20	—	—
274542 2008 SN_{246}	16.2	X	228.42661	97.94810	211.04386	6.46128	0.0217239	0.20930771	2.8093934	20	2 23.4	20.2
274543 2008 SJ_{248}	15.1	X	124.67249	41.37145	56.82670	3.67224	0.1989661	0.12623108	3.9357289	20	5 18.6	21.3
274544 2008 SD_{249}	15.5	X	212.62976	318.70284	52.53734	15.11274	0.0793676	0.21800691	2.7341513	20	4 25.0	19.6
274545 2008 SN_{249}	16.8	X	304.18121	95.35168	234.81354	3.99328	0.2384930	0.23200955	2.6230031	20	5 28.9	19.8
274546 2008 SF_{250}	15.8	X	267.80783	246.62999	169.36466	10.72465	0.1465011	0.15307485	3.4609884	20	8 8.7	20.9
274547 2008 SO_{250}	15.3	X	136.91270	255.96012	45.05634	11.82609	0.1265736	0.18355889	3.0663315	20	—	—
274548 2008 SA_{255}	16.2	X	353.83403	103.82493	179.85200	13.55783	0.1564507	0.23350507	2.6117915	20	7 8.4	19.1
274549 2008 SK_{255}	15.9	X	116.36133	206.88845	155.10748	9.70209	0.1294394	0.19200807	2.9757040	20	1 5.8	20.2
274550 2008 SL_{255}	16.2	X	256.14720	224.96680	72.76190	3.37220	0.0944629	0.20917713	2.8105625	20	3 9.8	20.4
274551 2008 ST_{256}	15.8	X	51.62786	131.69132	206.24290	8.58266	0.0387249	0.16887953	3.2415399	20	11 27.1	20.4
274552 2008 SC_{257}	15.4	X	168.28282	278.36598	81.31366	15.83007	0.1743730	0.20509285	2.8477534	20	3 4.9	20.4
274553 2008 SS_{257}	17.0	X	1.25259	245.06198	61.09601	3.93410	0.1992017	0.24170754	2.5523638	20	9 8.3	19.2
274554 2008 SG_{265}	15.1	X	110.96027	248.97837	56.33588	12.24563	0.0773312	0.17618838	3.1512622	20	12 29.4	20.0
274555 2008 SZ_{266}	15.6	X	31.67230	317.16914	33.30158	13.05458	0.1159287	0.17097343	3.2150196	20	11 25.2	20.1
274556 2008 SL_{269}	15.7	X	259.72639	149.78563	23.89567	6.67508	0.0921171	0.17803493	3.1294348	20	—	—
274557 2008 SO_{269}	17.3	X	323.05848	105.97954	212.90142	4.24296	0.2585728	0.23159661	2.6261201	20	6 14.5	19.6
274558 2008 SM_{270}	16.0	X	303.16184	112.75778	47.47500	7.03295	0.1082109	0.18484182	3.0521267	20	—	—
274559 2008 SH_{272}	15.3	X	268.52713	350.83035	52.17882	10.82167	0.0942624	0.14594727	3.5727728	20	8 5.7	20.5
274560 2008 SN_{273}	16.4	X	236.49352	278.05315	53.26194	8.25024	0.2327361	0.21115609	2.7929745	20	3 22.3	21.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
274561 2008 SF_{276}	16.4	X	147.03161	257.96775	111.36371	3.23237	0.0831910	0.20282950	2.8688993	20	2 11.6	20.5
274562 2008 SO_{278}	14.2	X	309.01369	63.77875	17.30056	2.54693	0.0633605	0.08229049	5.2348346	20	10 30.8	20.8
274563 2008 SU_{284}	15.3	X	211.97989	217.59543	10.52807	10.47412	0.0422325	0.18053992	3.1004202	20	—	—
274564 2008 SG_{285}	16.3	X	116.75995	191.66009	156.97580	5.38995	0.0936229	0.19310261	2.9644488	20	—	—
274565 2008 SS_{288}	15.6	X	120.32175	194.65012	159.03707	10.41161	0.0969758	0.19085192	2.9877094	20	—	—
274566 2008 SR_{291}	12.6	X	303.94202	138.86586	280.13428	9.29280	0.0821922	0.08191018	5.2510257	20	9 23.8	19.4
274567 2008 SX_{291}	16.1	X	252.62481	349.74450	287.67857	6.99210	0.1819719	0.21252303	2.7809855	20	1 31.1	20.7
274568 2008 SU_{292}	15.0	X	18.38740	237.50463	126.06402	16.93324	0.0897156	0.17117848	3.2124516	20	11 27.1	19.6
274569 2008 SE_{297}	15.9	X	327.42856	202.04626	117.88260	16.13247	0.1883709	0.23661714	2.5888403	20	7 7.2	18.4
274570 2008 SE_{298}	16.2	X	268.07296	124.04403	182.41335	7.63122	0.1147381	0.21636184	2.7479929	20	3 29.8	20.2
274571 2008 SZ_{298}	17.3	X	157.10687	253.44178	28.61931	2.33851	0.2128778	0.27666128	2.3325831	20	—	—
274572 2008 SD_{299}	15.8	X	231.26009	229.57134	95.50832	7.43413	0.0428291	0.21221306	2.7836928	20	3 22.4	19.9
274573 2008 SR_{302}	16.5	X	210.28553	167.17146	201.72064	5.85789	0.0439705	0.22213785	2.7001487	20	4 17.9	20.3
274574 2008 SX_{303}	15.9	X	326.99435	312.41590	193.80365	9.82898	0.0371777	0.18909126	3.0062268	20	—	—
274575 2008 SD_{304}	16.1	X	282.32127	194.63835	99.56998	6.50826	0.0314533	0.21528585	2.7571415	20	4 15.5	19.9
274576 2008 SU_{306}	15.9	X	197.12217	224.81771	211.07446	21.21809	0.0203731	0.23198336	2.6232005	20	6 27.6	20.0
274577 2008 SJ_{307}	15.2	X	51.00106	238.67549	139.69341	10.27072	0.0762689	0.17879355	3.1205764	20	—	—
274578 2008 SN_{308}	15.6	X	2.01719	134.73314	83.04006	8.00227	0.0073762	0.21309024	2.7760482	20	4 24.4	19.4
274579 2008 SB_{309}	16.3	X	300.07154	183.04008	138.46136	5.88116	0.0742765	0.23040373	2.6351765	20	6 6.7	19.7
274580 2008 TU	15.6	X	263.82444	90.36617	107.89805	11.16813	0.0420180	0.18823015	3.0153883	20	—	—
274581 2008 TZ_{4}	17.0	X	293.55845	324.61380	330.85251	1.58521	0.1870531	0.22471801	2.6794406	20	4 3.8	20.5
274582 2008 TC_{6}	16.4	X	197.29274	173.76756	207.47404	2.70516	0.1330857	0.21584841	2.7523488	20	4 17.1	20.8
274583 2008 TF_{7}	15.3	X	307.44706	91.83862	13.80856	16.15832	0.0370846	0.17833738	3.1258955	20	12 18.5	19.8
274584 2008 TN_{7}	16.0	X	124.14966	304.52530	9.22583	10.07241	0.0621618	0.18621135	3.0371433	20	—	—
274585 2008 TQ_{7}	16.1	X	229.79701	214.26271	19.21998	14.61010	0.0767921	0.19195084	2.9762954	20	—	—
274586 2008 TW_{7}	16.1	X	214.92812	167.60741	175.25189	5.92017	0.0852159	0.21360879	2.7715537	20	3 20.0	20.3
274587 2008 TC_{8}	15.3	X	342.29073	39.41541	30.11851	15.25519	0.0837635	0.17596355	3.1539458	20	12 22.1	19.6
274588 2008 TY_{10}	14.7	X	54.10744	338.66353	31.34559	26.30447	0.3170664	0.18299101	3.0726721	20	—	—
274589 2008 TX_{11}	16.6	X	162.36652	148.82110	206.55492	1.48902	0.0819270	0.20477620	2.8506883	20	2 9.7	20.9
274590 2008 TN_{18}	17.1	X	34.09309	264.94134	31.00803	6.16213	0.1929950	0.24339958	2.5405212	20	10 20.1	20.0
274591 2008 TE_{26}	15.4	X	60.12805	322.59781	11.45464	27.69438	0.1486610	0.17469095	3.1692448	20	12 12.8	20.6
274592 2008 TR_{27}	16.5	X	294.93751	242.10276	20.75731	5.41174	0.0788433	0.21424189	2.7660909	20	3 13.6	20.1
274593 2008 TU_{28}	15.8	X	212.34659	58.27544	270.15750	5.36506	0.0804060	0.21550449	2.7552764	20	2 25.9	20.0
274594 2008 TF_{29}	16.4	X	217.17872	309.14688	340.78463	1.39789	0.0333385	0.20286041	2.8686078	20	1 20.9	20.6
274595 2008 TV_{29}	16.5	X	105.30352	66.81603	4.87409	1.82596	0.0688362	0.20695128	2.8306791	20	3 8.2	20.4
274596 2008 TY_{29}	15.9	X	24.73770	195.55716	190.24422	5.29081	0.1309432	0.17839637	3.1252065	20	—	—
274597 2008 TO_{30}	16.6	X	248.98168	207.72274	32.26254	2.20382	0.0450584	0.19443857	2.9508544	20	—	—
274598 2008 TE_{33}	16.4	X	218.10656	183.40468	57.08034	4.36122	0.1304015	0.18823551	3.0153311	20	—	—
274599 2008 TR_{34}	16.1	X	280.92366	50.06061	2.75067	9.66015	0.0963754	0.15935281	3.3694801	20	9 2.6	20.7
274600 2008 TF_{35}	16.6	X	148.86274	12.78593	343.22395	2.04865	0.0818059	0.20130295	2.8833849	20	1 28.4	20.8
274601 2008 TV_{36}	16.4	X	257.61054	241.66236	110.72369	6.27241	0.2076541	0.22648772	2.6654648	20	5 6.1	20.5
274602 2008 TS_{37}	15.8	X	341.05872	86.16045	230.40307	3.42162	0.0437770	0.15204650	3.4765763	20	7 27.4	20.6
274603 2008 TD_{43}	15.7	X	12.76490	167.42416	243.99873	11.73209	0.0875919	0.17852137	3.1237474	20	—	—
274604 2008 TV_{45}	15.4	X	88.52994	284.01921	47.96037	10.95641	0.0737828	0.17736992	3.1372519	20	—	—
274605 2008 TG_{47}	16.6	X	314.71910	101.48446	175.81499	7.54923	0.1043007	0.21842728	2.7306422	20	4 25.4	20.0
274606 2008 TO_{48}	17.7	X	120.83282	69.50928	207.04956	2.03911	0.1657932	0.26839154	2.3802551	20	12 25.8	21.6
274607 2008 TD_{49}	16.3	X	290.04155	52.39877	207.30268	8.85504	0.0683700	0.21333128	2.7739568	20	2 29.6	20.3
274608 2008 TO_{54}	15.5	X	253.03222	172.51543	17.52163	9.81395	0.0344247	0.18367639	3.0650236	20	—	—
274609 2008 TE_{55}	16.1	X	9.10781	6.04815	11.61508	5.25962	0.1389743	0.17108961	3.2135640	20	12 1.4	20.1
274610 2008 TS_{56}	16.1	X	242.65330	239.74440	26.36173	2.15620	0.0319166	0.19945842	2.9011340	20	1 22.1	20.1
274611 2008 TM_{57}	16.7	X	185.90676	291.29380	22.32352	2.16196	0.0438922	0.19830976	2.9123260	20	1 15.6	20.9
274612 2008 TH_{58}	16.3	X	224.56478	259.65393	26.37846	11.28532	0.0315138	0.20027487	2.8932441	20	1 28.6	20.7
274613 2008 TJ_{59}	15.7	X	181.03153	242.90443	30.30440	10.44821	0.0611316	0.18734825	3.0248438	20	—	—
274614 2008 TK_{59}	16.9	X	314.73393	90.15726	185.99859	4.71340	0.0770601	0.22008199	2.7169379	20	4 26.7	20.3
274615 2008 TM_{59}	16.9	X	0.34694	238.79940	38.09041	5.92731	0.1687025	0.23338085	2.6127182	20	7 15.8	19.4
274616 2008 TN_{60}	15.7	X	319.93747	251.33284	162.46608	7.52124	0.1516426	0.16843852	3.2471955	20	10 28.9	19.5
274617 2008 TN_{62}	15.7	X	233.21594	216.18694	17.05683	5.58709	0.0703937	0.18911755	3.0059482	20	—	—
274618 2008 TJ_{63}	16.2	X	353.84282	69.70557	1.56336	1.29089	0.0373946	0.17782416	3.1319071	20	—	—
274619 2008 TQ_{63}	16.1	X	147.54234	132.72617	200.02560	0.71688	0.0746149	0.19304244	2.9650648	20	—	—
274620 2008 TN_{66}	15.8	X	237.79674	126.14883	59.67406	3.42495	0.0665663	0.17622340	3.1508447	20	12 24.1	20.3
274621 2008 TH_{68}	15.6	X	149.58124	213.30415	47.67225	10.35033	0.0446503	0.17441682	3.1725646	20	12 15.9	20.4
274622 2008 TJ_{72}	16.5	X	328.09648	224.73316	92.13587	4.60045	0.1816553	0.23693359	2.5865346	20	7 4.5	18.8
274623 2008 TG_{74}	16.6	X	254.50023	53.74602	244.63134	3.37772	0.1848051	0.21123851	2.7922480	20	2 25.9	21.1
274624 2008 TP_{74}	15.3	X	253.01856	348.08637	221.79022	10.74859	0.0716398	0.18392921	3.0622143	20	—	—
274625 2008 TP_{75}	15.5	X	100.21481	142.83681	212.81992	14.40975	0.1468277	0.18596605	3.0398134	20	—	—
274626 2008 TD_{77}	16.5	X	153.09053	152.21627	167.74775	1.81802	0.1073662	0.19482126	2.9469888	20	—	—
274627 2008 TE_{82}	16.0	X	338.92931	111.11472	209.03753	5.95868	0.3574038	0.23935587	2.5690546	20	7 22.4	16.9
274628 2008 TP_{82}	15.8	X	189.17559	223.38946	97.64246	2.90725	0.0647769	0.19912510	2.9043707	20	1 28.6	20.1
274629 2008 TL_{84}	16.2	X	27.67445	234.44899	200.70290	8.41492	0.0828053	0.18738396	3.0244596	20	—	—
274630 2008 TE_{86}	16.6	X	152.29725	121.00107	210.30507	0.92753	0.0295805	0.19562905	2.9388708	20	—	—
274631 2008 TV_{86}	15.4	X	249.46519	173.97263	15.11904	12.60292	0.0892532	0.18113210	3.0936590	20	—	—
274632 2008 TO_{87}	16.0	X	29.75704	32.11334	44.48551	12.10467	0.0432135	0.18716293	3.0268401	20	—	—
274633 2008 TF_{88}	16.4	X	80.32364	151.09359	177.54816	9.50384	0.0483028	0.17561028	3.1581742	20	12 21.5	21.1
274634 2008 TM_{88}	13.5	X	1.49758	299.15987	85.87439	7.44860	0.1099692	0.08342851	5.1871210	20	11 7.7	19.8
274635 2008 TU_{93}	15.8	X	87.37853	302.15509	32.72517	11.25928	0.0474597	0.18087656	3.0965721	20	—	—
274636 2008 TA_{101}	16.8	X	209.59841	80.72002	210.42921	1.33312	0.0480954	0.19869438	2.9085665	20	1 13.9	21.0
274637 2008 TZ_{106}	16.3	X	323.87570	193.65199	49.92313	5.16327	0.0234706	0.21509469	2.7587748	20	4 4.2	19.9
274638 2008 TN_{111}	15.4	X	93.05893	133.62173	221.77151	14.39491	0.0452460	0.18387034	3.0628679	20	—	—
274639 2008 TQ_{111}	16.5	X	340.43677	347.74185	323.29089	3.62917	0.2156360	0.23709221	2.5853808	20	7 22.9	18.3
274640 2008 TY_{112}	16.4	X	89.45478	304.49248	46.93025	5.56071	0.1339590	0.18379410	3.0637148	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
274641 2008 TD_{116}	16.1	X	103.31276	98.49609	219.32083	20.15262	0.2151745	0.26761194	2.3848756	20	—	—
274642 2008 TD_{118}	16.2	X	159.17310	330.04846	30.25632	2.16862	0.1033952	0.20033893	2.8926273	20	2 15.8	20.5
274643 2008 TT_{120}	16.5	X	297.08734	223.07144	104.26071	5.27881	0.1929962	0.23098308	2.6307683	20	5 22.5	19.6
274644 2008 TC_{125}	16.5	X	308.63741	33.42820	282.30284	3.13536	0.2351177	0.23266800	2.6180521	20	5 15.2	19.4
274645 2008 TQ_{130}	15.9	X	0.69029	53.35957	345.39996	3.84808	0.1562589	0.17217947	3.1999889	20	12 17.9	19.7
274646 2008 TK_{133}	15.5	X	244.28178	310.83443	239.58876	8.02456	0.0456958	0.17985779	3.1082544	20	—	—
274647 2008 TN_{135}	16.2	X	206.41442	73.00798	241.09104	4.74545	0.1519862	0.20375228	2.8602307	20	2 4.3	20.9
274648 2008 TK_{140}	15.3	X	204.91022	237.45245	355.88537	15.19265	0.0430302	0.18561456	3.0436498	20	—	—
274649 2008 TR_{141}	16.2	X	98.31694	137.68532	193.40322	14.25373	0.0424238	0.18304429	3.0720758	20	—	—
274650 2008 TU_{142}	15.7	X	298.46115	77.05169	21.56998	13.27885	0.1173051	0.17200094	3.2022028	20	11 17.8	19.8
274651 2008 TF_{149}	13.2	X	308.55744	25.98192	39.98576	8.36130	0.0451610	0.08331193	5.1919588	20	10 17.0	20.0
274652 2008 TB_{151}	16.5	X	185.64939	161.90712	152.23002	3.94192	0.1019509	0.20149144	2.8815864	20	1 17.0	21.0
274653 2008 TH_{151}	16.4	X	11.26158	321.63960	178.55627	10.73849	0.0516606	0.20069553	2.8891998	20	1 23.3	20.3
274654 2008 TJ_{151}	16.5	X	244.53309	300.53163	37.54504	6.48742	0.0265923	0.21909702	2.7250746	20	4 21.8	20.0
274655 2008 TL_{151}	16.2	X	232.75929	163.74680	105.46143	3.03879	0.0181129	0.20012736	2.8946657	20	1 14.7	20.2
274656 2008 TO_{151}	16.5	X	339.38200	170.82279	115.66130	2.89881	0.0526734	0.22997370	2.6384605	20	6 19.8	19.8
274657 2008 TK_{152}	16.4	X	36.53060	265.07939	151.84569	5.01156	0.0770171	0.18683159	3.0304178	20	—	—
274658 2008 TY_{156}	15.2	X	107.77926	44.01757	74.00234	4.43264	0.1958027	0.12527021	3.9558289	20	5 25.9	21.1
274659 2008 TV_{157}	15.7	X	86.69921	261.26445	132.10144	16.10947	0.1055287	0.19138456	2.9821635	20	1 4.2	19.7
274660 2008 TL_{165}	15.7	X	176.98499	255.97142	47.84808	10.04887	0.0671176	0.18858285	3.0116275	20	—	—
274661 2008 TT_{168}	15.7	X	96.50403	302.13387	51.25613	12.56012	0.0824319	0.17910175	3.1169954	20	—	—
274662 2008 TU_{168}	15.7	X	164.24355	288.11133	46.41610	11.14069	0.1041270	0.19127327	2.9833201	20	1 24.5	20.4
274663 2008 TY_{170}	15.4	X	103.88283	218.81796	97.77637	3.38694	0.0290065	0.17275114	3.1929253	20	12 31.0	20.0
274664 2008 TC_{171}	15.9	X	330.25694	216.81778	119.53729	15.15484	0.2770226	0.23857145	2.5746828	20	8 2.4	17.4
274665 2008 TA_{172}	15.5	X	56.38301	319.11497	95.47018	10.92834	0.0673235	0.18604321	3.0389730	20	—	—
274666 2008 TG_{174}	14.0	X	310.67789	337.70478	97.75112	2.52467	0.0543767	0.08149680	5.2687674	20	10 28.5	20.7
274667 2008 TP_{175}	16.0	X	236.31714	343.34080	1.62836	8.61641	0.1467581	0.21831960	2.7315400	20	4 7.6	20.3
274668 2008 TG_{177}	15.8	X	222.91786	240.98694	125.73465	6.10482	0.0079070	0.22130805	2.7068939	20	5 5.7	19.5
274669 2008 TH_{177}	15.1	X	48.96320	150.11124	168.85900	18.33162	0.0673101	0.16914579	3.2381373	20	11 8.2	19.9
274670 2008 TL_{177}	15.3	X	327.52420	331.22162	95.14483	11.59456	0.0419462	0.17180289	3.2046633	20	11 28.6	19.6
274671 2008 TG_{182}	15.9	X	331.59657	211.88088	106.97187	15.53554	0.2950705	0.23641917	2.5902852	20	7 1.9	17.4
274672 2008 TX_{185}	15.8	X	41.88968	56.00972	23.22435	9.69259	0.0111559	0.19241740	2.9714824	20	—	—
274673 2008 TA_{186}	16.1	X	217.78474	180.31387	182.26140	13.22909	0.1216445	0.21579082	2.7528386	20	4 16.1	20.4
274674 2008 TR_{187}	17.0	X	301.85783	159.98148	167.25458	9.07759	0.2541205	0.23121799	2.6289862	20	5 20.4	20.3
274675 2008 UZ_{7}	13.3	X	257.48592	124.34540	343.78648	6.60717	0.0835722	0.08138141	5.2737464	20	9 27.6	20.4
274676 2008 UA_{8}	16.5	X	59.60074	323.43516	207.23458	3.77149	0.0183020	0.22114877	2.7081935	20	5 7.5	20.1
274677 2008 UP_{8}	16.0	X	244.65460	222.41106	352.20079	9.71799	0.0342715	0.19039205	2.9925185	20	—	—
274678 2008 UD_{11}	16.8	X	115.99375	22.23711	327.09615	2.48295	0.0912630	0.19187837	2.9770448	20	—	—
274679 2008 UO_{11}	15.3	X	111.40865	103.16644	353.49925	6.83327	0.2449185	0.12391337	3.9846538	20	5 7.2	21.5
274680 2008 UL_{12}	14.2	X	325.44863	121.50649	305.53945	5.37816	0.1156879	0.08483362	5.1296854	20	10 31.3	20.5
274681 2008 UD_{14}	15.2	X	244.73275	258.80915	285.13425	10.29103	0.1069465	0.17956275	3.1116582	20	12 25.8	19.6
274682 2008 US_{14}	16.5	X	162.87081	313.72398	17.10453	1.68866	0.0977183	0.20029290	2.8930705	20	1 14.7	20.8
274683 2008 UA_{20}	16.1	X	190.04114	113.63929	206.56337	10.22027	0.0592051	0.19941810	2.9015251	20	1 25.1	20.6
274684 2008 UX_{24}	16.4	X	10.96753	39.34551	183.17547	14.53750	0.0588989	0.22570770	2.6716023	20	5 12.7	19.8
274685 2008 UZ_{28}	15.7	X	103.69020	104.60362	209.65714	8.47789	0.0657721	0.17509242	3.1643983	20	12 30.6	20.5
274686 2008 UZ_{29}	16.2	X	128.23512	122.58115	212.82275	9.46460	0.0855203	0.18604768	3.0389242	20	—	—
274687 2008 UG_{32}	16.4	X	84.01468	123.65781	196.55963	5.18578	0.1433998	0.17407147	3.1767594	20	12 24.8	21.4
274688 2008 UB_{45}	15.6	X	10.18444	133.22824	232.35050	3.94513	0.1116480	0.16870030	3.2438354	20	11 15.3	19.8
274689 2008 UH_{48}	16.6	X	158.73176	160.42968	215.30422	4.58287	0.0465491	0.20459570	2.8523647	20	2 26.4	20.8
274690 2008 UV_{48}	15.6	X	30.18912	72.97309	47.30969	19.07924	0.0181686	0.19185920	2.9772431	20	2 3.1	20.1
274691 2008 UA_{50}	16.8	X	262.98764	85.40341	208.54780	3.61152	0.0803423	0.21113425	2.7931672	20	3 11.4	20.9
274692 2008 UB_{50}	16.2	X	90.42629	137.67443	208.54867	8.45530	0.1382591	0.18307591	3.0717220	20	—	—
274693 2008 UD_{52}	15.0	X	176.07259	16.91395	237.16412	9.64582	0.0826699	0.17275366	3.1928944	20	—	—
274694 2008 UZ_{52}	16.1	X	135.32046	272.24837	53.90723	9.01998	0.1613634	0.18471425	3.0535318	20	—	—
274695 2008 UA_{56}	16.1	X	282.71843	168.32222	5.81372	5.25579	0.0743241	0.18758403	3.0223086	20	—	—
274696 2008 UG_{56}	16.0	X	94.64170	81.56517	211.35064	2.38345	0.1081667	0.17486796	3.1671056	20	12 1.1	20.8
274697 2008 US_{59}	15.3	X	169.91328	11.54959	262.05974	9.82453	0.0269986	0.18513359	3.0489191	20	—	—
274698 2008 UV_{59}	15.5	X	274.98495	198.56053	20.10473	11.12196	0.0505634	0.19125162	2.9835452	20	1 1.7	20.0
274699 2008 UZ_{61}	15.9	X	107.78248	78.16208	259.58963	4.75251	0.0329747	0.18006031	3.1059232	20	—	—
274700 2008 UD_{76}	15.6	X	257.50421	176.42766	44.14922	10.42627	0.0268289	0.18311817	3.0712494	20	—	—
274701 2008 UO_{79}	15.7	X	221.38811	9.92120	239.51010	9.43029	0.0562273	0.18930822	3.0039295	20	—	—
274702 2008 UM_{83}	16.1	X	253.88092	173.81440	130.83323	5.94749	0.1437561	0.21299837	2.7768464	20	3 10.6	20.4
274703 2008 UC_{84}	16.7	X	312.39988	169.73422	141.43012	3.60712	0.0155944	0.22846542	2.6500602	20	6 17.5	20.2
274704 2008 UH_{87}	15.3	X	122.01666	339.77797	318.51282	6.36671	0.0793071	0.17594749	3.1541378	20	—	—
274705 2008 UH_{91}	16.2	X	246.54671	262.99848	46.39709	6.61127	0.0494772	0.21642940	2.7474210	20	3 18.7	20.1
274706 2008 UB_{96}	15.7	X	7.67412	259.19697	139.09493	6.50868	0.1775206	0.17431058	3.1738535	20	12 31.6	19.6
274707 2008 UG_{100}	15.6	X	68.83991	2.13015	46.35178	9.53945	0.1058128	0.18752439	3.0229493	20	—	—
274708 2008 UG_{101}	16.2	X	357.07857	69.77176	348.74851	3.59170	0.0719779	0.17528879	3.1620346	20	12 29.7	20.3
274709 2008 UW_{101}	16.8	X	27.42807	279.57825	356.88963	3.12277	0.1921765	0.23915523	2.5704912	20	9 11.3	19.5
274710 2008 UE_{107}	15.5	X	103.89777	285.95744	27.99414	13.28090	0.1046231	0.17594842	3.1541267	20	—	—
274711 2008 UH_{107}	15.6	X	103.94011	288.00438	30.20012	11.31417	0.0677112	0.17539851	3.1607158	20	—	—
274712 2008 UB_{112}	15.6	X	200.34805	228.09057	13.10146	9.07900	0.0372399	0.18029555	3.1032211	20	—	—
274713 2008 UO_{116}	15.2	X	188.68846	252.84381	24.23993	15.69205	0.0504163	0.18578663	3.0417703	20	—	—
274714 2008 UZ_{125}	16.0	X	193.30927	274.47817	36.99642	10.67965	0.1033691	0.19322765	2.9631697	20	1 25.8	20.8
274715 2008 UQ_{129}	15.4	X	352.24849	224.21313	225.66738	9.40654	0.0860906	0.17889954	3.1193437	20	—	—
274716 2008 UD_{138}	16.1	X	216.16895	192.89413	48.14322	6.76637	0.1203382	0.18295476	3.0730780	20	—	—
274717 2008 UD_{140}	15.7	X	67.45604	104.54721	223.63596	4.26125	0.1645550	0.17158061	3.2074304	20	12 19.5	20.5
274718 2008 UF_{142}	16.1	X	123.36494	133.84592	224.48057	4.70230	0.1795927	0.19098979	2.9862715	20	1 15.2	20.5
274719 2008 UN_{142}	15.9	X	208.21879	249.41315	53.50822	9.03971	0.1890099	0.19901714	2.9054209	20	1 28.2	20.9
274720 2008 UJ_{145}	15.9	X	346.88473	215.45445	212.35743	5.73808	0.1144538	0.17097743	3.2149695	20	12 27.8	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
274721 2008 UH_{155}	15.8	X	211.89664	276.93590	41.43252	11.22156	0.1150325	0.20498344	2.8487666	20	2 21.5	20.5
274722 2008 UC_{163}	16.0	X	264.45408	314.56124	30.50780	26.49259	0.1306637	0.22288190	2.6941360	20	5 5.6	20.0
274723 2008 UN_{168}	15.6	X	191.31053	166.18253	65.26981	6.49560	0.1138872	0.17506539	3.1647240	20	12 21.4	20.5
274724 2008 UG_{173}	15.7	X	32.03876	350.03122	46.14168	12.54890	0.1160871	0.17565729	3.1576108	20	—	—
274725 2008 US_{173}	15.0	X	212.00141	213.38128	351.11177	12.83210	0.1298606	0.17685742	3.1433099	20	12 8.2	20.0
274726 2008 UG_{174}	16.9	X	351.00690	260.32189	35.95720	4.44395	0.2942773	0.23429281	2.6059340	20	7 30.2	18.3
274727 2008 UW_{182}	16.0	X	180.53171	233.07825	75.74867	3.22354	0.0651650	0.19397548	2.9555490	20	1 5.5	20.3
274728 2008 UQ_{183}	15.9	X	113.60292	202.45001	96.37834	3.07705	0.0953338	0.17641331	3.1485830	20	12 25.8	20.8
274729 2008 UK_{188}	16.1	X	250.73448	113.65922	211.50154	6.59996	0.1214174	0.20985706	2.8044885	20	4 1.2	20.2
274730 2008 UE_{189}	16.6	X	151.56920	172.10636	181.56527	2.08510	0.0864605	0.20177500	2.8788860	20	1 28.0	20.9
274731 2008 US_{189}	16.8	X	278.08240	297.23528	29.50580	3.26654	0.0903094	0.22608397	2.6686372	20	5 9.8	20.5
274732 2008 UG_{191}	16.1	X	76.78962	241.40556	84.69218	3.71884	0.0946574	0.17412643	3.1760908	20	12 19.4	20.7
274733 2008 UP_{193}	15.6	X	44.55781	333.96191	74.03747	10.33049	0.1031518	0.17837806	3.1254203	20	—	—
274734 2008 UZ_{195}	15.2	X	42.66861	252.49933	121.63736	15.33862	0.3253373	0.18035317	3.1025601	20	—	—
274735 2008 UF_{201}	15.9	X	186.52637	305.50345	14.88214	12.14238	0.0478059	0.19755840	2.9197055	20	1 28.3	20.4
274736 2008 UZ_{203}	15.0	X	61.29620	24.16380	15.99670	11.71248	0.0484424	0.18423579	3.0588162	20	—	—
274737 2008 UB_{205}	14.4	X	30.35951	240.86457	108.24676	22.75223	0.0909228	0.17202012	3.2019648	20	11 27.7	19.1
274738 2008 UJ_{206}	15.6	X	36.94432	249.77045	115.75779	7.83930	0.0617002	0.17423558	3.1747642	20	12 16.3	20.1
274739 2008 UB_{207}	16.6	X	255.69432	339.98390	190.14807	0.83906	0.0258364	0.18102765	3.0948489	20	—	—
274740 2008 UH_{211}	16.7	X	252.11230	247.67807	25.45430	1.89336	0.1413314	0.20263372	2.8707469	20	1 31.4	21.3
274741 2008 UN_{218}	16.0	X	274.01542	137.59355	32.11032	10.28401	0.0180418	0.17853347	3.1236062	20	—	—
274742 2008 UT_{218}	16.1	X	117.32081	309.90823	32.19191	10.77967	0.0902852	0.18545685	3.0453751	20	—	—
274743 2008 UN_{221}	15.6	X	156.27180	282.41807	28.27680	12.39710	0.0967312	0.18620247	3.0372398	20	—	—
274744 2008 UU_{233}	16.0	X	273.71470	274.02034	266.03348	6.22946	0.1226345	0.18503779	3.0499713	20	—	—
274745 2008 UB_{249}	16.9	X	44.28020	60.99496	183.91714	3.58240	0.1031832	0.23620842	2.5918258	20	8 8.0	20.1
274746 2008 UF_{265}	16.1	X	189.32341	267.89760	334.13734	4.53543	0.0987000	0.17760969	3.1344279	20	—	—
274747 2008 UK_{267}	17.4	X	211.18708	273.22059	26.98700	6.87567	0.2355993	0.29722144	2.2237329	20	1 16.7	21.2
274748 2008 UV_{268}	15.9	X	239.60277	122.54363	99.04794	2.77929	0.1750085	0.18288500	3.0738594	20	—	—
274749 2008 UO_{270}	15.3	X	310.37539	65.41314	20.56223	26.03420	0.1974179	0.17159435	3.2072592	20	11 8.6	19.2
274750 2008 UT_{273}	15.4	X	190.23228	106.01540	280.09879	1.59626	0.0485111	0.12539953	3.9531089	20	4 20.1	21.3
274751 2008 UT_{275}	15.6	X	22.89719	1.40365	35.58209	10.74943	0.0984514	0.17560631	3.1582219	20	—	—
274752 2008 UX_{275}	15.5	X	128.69893	63.49039	220.43315	8.62941	0.0577418	0.17495110	3.1661022	20	12 21.4	20.3
274753 2008 UD_{277}	15.4	X	226.29269	245.11368	218.59677	8.45308	0.0452008	0.15343156	3.4556222	20	8 30.2	20.5
274754 2008 UC_{278}	15.5	X	350.55474	57.96602	38.59775	11.14391	0.0686546	0.18024296	3.1038247	20	—	—
274755 2008 UK_{278}	15.7	X	61.49473	319.88140	37.81795	10.54765	0.0802590	0.17662582	3.1460570	20	—	—
274756 2008 UH_{279}	16.5	X	247.39205	113.31854	141.07191	0.62836	0.0011198	0.19463877	2.9488305	20	1 16.2	20.5
274757 2008 UG_{281}	15.7	X	329.50599	161.88016	84.69555	5.97132	0.0294404	0.21308015	2.7761359	20	4 16.3	19.4
274758 2008 UV_{285}	16.1	X	238.19361	238.29343	56.76972	2.74757	0.0149065	0.20188735	2.8778179	20	2 22.9	20.0
274759 2008 UH_{288}	16.0	X	219.72020	120.36708	115.39434	3.04619	0.0649984	0.18359533	3.0659258	20	—	—
274760 2008 UN_{290}	16.3	X	312.37913	256.05548	97.33469	4.93101	0.2393031	0.23376757	2.6098360	20	7 19.3	18.8
274761 2008 UN_{296}	15.7	X	80.61267	83.39172	268.32633	1.65924	0.0907092	0.17840929	3.1250555	20	—	—
274762 2008 UG_{301}	15.7	X	302.37633	36.15670	275.47308	10.46647	0.1742340	0.22855324	2.6493813	20	5 8.1	19.2
274763 2008 UR_{302}	15.2	X	192.06110	62.25988	338.43635	2.39115	0.1189524	0.12689641	3.9219600	20	5 7.6	21.3
274764 2008 UT_{306}	16.1	X	157.55489	270.04283	81.05073	5.39928	0.0433591	0.19722916	2.9229539	20	1 29.7	20.4
274765 2008 US_{319}	15.7	X	264.79106	299.35190	256.56428	9.88323	0.1017430	0.18382175	3.0634076	20	—	—
274766 2008 UU_{329}	16.7	X	107.65851	110.68838	245.58836	3.62685	0.1321730	0.18721154	3.0263162	20	—	—
274767 2008 UW_{330}	15.7	X	61.40126	280.55531	61.50208	5.52270	0.1338168	0.17123685	3.2117216	20	12 25.5	20.5
274768 2008 US_{336}	16.3	X	212.12259	217.44182	51.06348	3.70266	0.0655066	0.18695756	3.0290565	20	—	—
274769 2008 UX_{340}	15.0	X	54.27973	242.43041	130.99239	15.03179	0.0671742	0.17417889	3.1754531	20	—	—
274770 2008 US_{343}	15.7	X	171.48929	232.47854	61.63420	7.09597	0.0589937	0.18498776	3.0505212	20	—	—
274771 2008 UR_{345}	15.9	X	51.61041	271.46017	72.37924	6.68210	0.1247687	0.16878572	3.2427409	20	12 14.8	20.5
274772 2008 UW_{346}	16.4	X	118.09891	11.41529	310.48303	0.73002	0.0945892	0.18558628	3.0439591	20	—	—
274773 2008 UV_{348}	14.5	X	26.55977	353.72509	13.49121	4.40889	0.0269569	0.08382375	5.1708030	20	11 10.9	21.3
274774 2008 UB_{361}	16.3	X	357.38177	121.28654	197.59236	12.25392	0.1851080	0.23957421	2.5674934	20	9 12.2	18.8
274775 2008 UH_{361}	15.9	X	287.78199	225.01072	88.01620	13.97834	0.1830117	0.22704668	2.6610883	20	4 27.0	19.7
274776 2008 UC_{363}	15.5	X	181.01644	278.84234	87.44057	12.63470	0.0511845	0.20939254	2.8086346	20	3 19.3	19.8
274777 2008 VA_{3}	15.2	X	68.35345	354.55492	15.48642	19.26083	0.1153784	0.18079262	3.0975304	20	—	—
274778 2008 VE_{3}	15.4	X	85.41770	2.89700	336.53293	8.73790	0.0633954	0.17718098	3.1394818	20	—	—
274779 2008 VY_{5}	15.3	X	204.89559	300.90601	289.76153	9.68289	0.0809306	0.18044715	3.1014827	20	—	—
274780 2008 VQ_{23}	15.9	X	244.29620	228.54087	87.19266	7.07083	0.1468167	0.20637989	2.8359014	20	3 16.7	20.4
274781 2008 VS_{27}	15.2	X	183.08790	311.03215	282.34224	3.85310	0.1191295	0.17246813	3.1964174	20	12 15.1	20.3
274782 2008 VS_{50}	17.0	X	240.30827	113.72196	218.02884	8.34883	0.1958696	0.21571689	2.7534675	20	3 22.2	21.5
274783 2008 VK_{57}	15.5	X	46.30586	179.77263	225.37631	10.46506	0.0770873	0.17958244	3.1114307	20	—	—
274784 2008 VR_{57}	16.3	X	13.27994	247.69286	62.21906	3.89035	0.2224817	0.24024314	2.5627253	20	10 11.6	18.8
274785 2008 VC_{59}	15.0	X	171.90466	10.88798	229.42708	16.60833	0.0342625	0.16930987	3.2360448	20	12 15.3	19.9
274786 2008 VT_{75}	15.6	X	62.46518	228.23169	149.78157	9.80194	0.1583727	0.17951317	3.1122311	20	—	—
274787 2008 WS	16.3	X	183.47234	18.94619	246.26202	8.80757	0.0500143	0.18197612	3.0840857	20	—	—
274788 2008 WD_{2}	15.1	X	171.38138	63.64058	223.71736	9.55883	0.0368026	0.18021225	3.1041772	20	—	—
274789 2008 WN_{9}	16.6	X	273.28617	135.71890	154.87503	3.80233	0.0673072	0.21031328	2.8004313	20	3 23.1	20.4
274790 2008 WS_{12}	15.4	X	117.83727	9.55939	343.13348	11.00985	0.1821677	0.18937978	3.0031727	20	1 5.9	19.9
274791 2008 WJ_{15}	15.9	X	171.89126	182.60749	49.70653	1.86792	0.1042658	0.17266911	3.1939365	20	12 4.0	20.9
274792 2008 WF_{19}	15.9	X	147.78282	69.33076	253.65949	6.46968	0.1077807	0.18939578	3.0030035	20	—	—
274793 2008 WG_{38}	16.5	X	338.10220	262.13162	74.09154	4.02604	0.2421366	0.23718671	2.5846941	20	8 30.8	18.2
274794 2008 WR_{49}	15.3	X	130.80648	107.79908	211.19505	10.39574	0.0280217	0.17931225	3.1145555	20	—	—
274795 2008 WZ_{51}	15.7	X	29.20159	23.30076	226.23150	15.69365	0.2429339	0.22962469	2.6411333	20	8 5.7	18.9
274796 2008 WB_{58}	15.5	X	121.72055	226.68556	67.33755	10.18762	0.0662032	0.17301728	3.1896503	20	12 25.9	20.4
274797 2008 WW_{63}	15.7	X	83.63233	265.79586	105.53357	9.57041	0.1522972	0.17830924	3.1262244	20	—	—
274798 2008 WJ_{66}	15.5	X	101.23512	292.03949	64.15611	8.30454	0.1550032	0.18558471	3.0439762	20	—	—
274799 2008 WO_{71}	16.0	X	177.03130	349.63901	351.06113	5.75620	0.0739715	0.20823134	2.8190665	20	2 8.6	20.2
274800 2008 WP_{71}	17.0	X	168.19165	74.05558	299.49654	1.35110	0.0937586	0.21217383	2.7840359	20	3 8.8	21.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
274801 2008 WR_{99}	16.8	X	329.71244	168.35494	126.74141	2.51870	0.1830422	0.22619111	2.6677944	20	6 3.6	19.4
274802 2008 WS_{101}	15.4	X	13.56597	217.40797	86.31491	9.73187	0.1828952	0.23619267	2.5919410	20	9 30.2	18.3
274803 2008 WT_{113}	15.6	X	144.12738	171.28651	80.51667	5.84544	0.1297002	0.16236789	3.3276370	20	11 29.3	20.8
274804 2008 WV_{127}	15.9	X	194.45388	203.40298	115.94969	4.88276	0.1984415	0.19909614	2.9046523	20	2 3.2	20.7
274805 2008 WE_{129}	15.6	X	129.31151	204.79421	117.75873	3.89671	0.0926811	0.17860002	3.1228303	20	—	—
274806 2008 XR_{7}	16.4	X	335.32690	263.14143	183.62104	3.03577	0.1274680	0.17329160	3.1862832	20	—	—
274807 2008 XU_{13}	15.3	X	148.52297	234.58271	35.53314	12.11250	0.0884751	0.17213128	3.2005862	20	12 25.1	20.4
274808 2008 XC_{31}	15.5	X	197.47813	232.89054	53.27875	12.10267	0.0393480	0.18469402	3.0537547	20	—	—
274809 2008 XQ_{32}	16.1	X	100.60553	15.39952	298.38848	3.71462	0.0982727	0.17055874	3.2202288	20	12 29.3	20.9
274810 Fedáksári	15.9	X	145.26081	323.87114	99.68696	4.07847	0.2471228	0.12488024	3.9640600	20	4 30.5	22.4
274811 2008 YH_{126}	14.7	X	350.26941	176.51974	110.66447	10.22772	0.1476919	0.12368968	3.9894565	20	6 30.8	19.4
274812 2009 BP_{6}	16.3	X	231.68289	311.34601	142.55031	12.29868	0.1616020	0.22453130	2.6809258	20	8 21.1	20.1
274813 2009 BM_{42}	16.2	X	311.35195	91.56298	121.84294	2.40959	0.1020951	0.17725059	3.1386598	20	2 2.1	20.3
274814 2009 JB_{16}	16.5	X	150.23245	69.73287	181.51665	3.92349	0.0445446	0.21921338	2.7241102	20	12 15.9	20.5
274815 2009 KS_{8}	16.9	X	115.33494	275.72417	24.96440	12.06225	0.1371676	0.22194120	2.7017434	20	—	—
274816 2009 KR_{18}	16.0	X	213.31986	20.00542	244.56757	14.13646	0.0189624	0.23665690	2.5885502	20	—	—
274817 2009 NC_{1}	16.4	X	264.23931	105.02734	262.10168	6.98202	0.2821051	0.25558917	2.4590900	20	5 19.8	20.2
274818 2009 NX_{1}	17.4	X	295.61691	342.98042	5.43065	1.00460	0.2032213	0.26229694	2.4169847	20	6 16.9	20.0
274819 2009 OR	17.6	X	321.41353	167.74508	129.20098	24.28539	0.0575733	0.35245168	1.9848894	20	6 13.9	19.9
274820 2009 OQ_{2}	16.4	X	300.11084	219.54626	109.22721	7.46186	0.1601927	0.26004516	2.4309174	20	6 3.8	19.1
274821 2009 OW_{2}	17.1	X	258.32430	253.48383	104.79417	2.29437	0.2059595	0.25703737	2.4498446	20	5 12.2	20.5
274822 2009 OJ_{8}	17.6	X	89.87875	222.73338	83.13274	3.89006	0.1938913	0.29398305	2.2400335	20	—	—
274823 2009 OY_{19}	16.3	X	28.49274	197.89298	164.88577	26.00230	0.2582759	0.28784639	2.2717587	20	—	—
274824 2009 PV_{1}	17.8	X	40.90730	57.33631	334.67090	5.11391	0.1707853	0.29495370	2.2351164	20	—	—
274825 2009 PY_{8}	17.6	X	100.52943	320.11192	356.01193	6.62159	0.1954169	0.29619427	2.2288711	20	—	—
274826 2009 PX_{10}	17.1	X	340.32880	229.62475	108.43912	3.31901	0.2315225	0.27136559	2.3628321	20	9 19.4	18.4
274827 2009 PR_{11}	16.9	X	3.89998	340.63893	340.32420	5.26424	0.1876270	0.27181343	2.3602361	20	10 8.4	18.9
274828 2009 PD_{12}	17.2	X	296.82776	1.88877	331.51418	1.73207	0.1884880	0.25843638	2.4409953	20	5 29.8	20.1
274829 2009 PT_{14}	17.5	X	22.83748	180.26560	141.58865	3.04765	0.2112549	0.27734138	2.3287682	20	11 19.8	20.1
274830 2009 PK_{18}	17.4	X	208.12647	172.89268	2.22195	1.84278	0.0755109	0.28483239	2.2877565	20	11 28.3	20.1
274831 2009 PO_{18}	17.7	X	181.41424	35.10701	17.53744	0.79032	0.0569639	0.24429778	2.5342904	20	5 9.6	21.3
274832 2009 QN_{1}	16.5	X	2.89566	197.32622	108.51806	6.74537	0.1499112	0.26958383	2.3732318	20	9 12.2	18.7
274833 2009 QQ_{1}	17.9	X	169.67901	28.07131	302.19940	7.48852	0.2270352	0.31681031	2.1310968	20	1 15.6	21.0
274834 2009 QR_{9}	16.4	X	214.64285	214.65978	156.86233	7.57415	0.3987494	0.23852431	2.5750220	20	4 14.3	21.4
274835 2009 QC_{11}	16.8	X	280.77424	118.36003	333.99542	4.65554	0.1410309	0.27772565	2.3266196	20	11 8.1	19.0
274836 2009 QT_{14}	17.4	X	354.98285	175.00627	178.23707	6.00456	0.0796630	0.27436697	2.3455687	20	10 30.3	19.8
274837 2009 QR_{16}	17.9	X	86.02414	244.60771	36.01426	2.40961	0.1471090	0.28246846	2.3005027	20	11 30.1	21.2
274838 2009 QL_{21}	17.0	X	355.22953	300.19522	15.91077	2.35966	0.1791527	0.27035937	2.3686911	20	9 13.1	18.8
274839 2009 QD_{22}	16.5	X	182.00711	127.33045	340.80716	6.90831	0.0674411	0.25957137	2.4338746	20	7 26.9	19.9
274840 2009 QO_{23}	17.3	X	235.69033	223.02736	103.22346	4.31042	0.2226069	0.24189364	2.5510545	20	3 12.5	21.5
274841 2009 QQ_{23}	16.7	X	353.06383	239.75620	66.00794	2.95258	0.2173271	0.26741992	2.3860171	20	8 25.4	18.2
274842 2009 QB_{28}	16.4	X	169.20493	33.52634	326.88657	12.80535	0.1886011	0.22960179	2.6413089	20	2 25.7	20.7
274843 Mykhailopetrenko	17.4	X	346.35899	219.02360	179.13268	6.35929	0.1652926	0.28189441	2.3036248	20	—	—
274844 2009 QW_{32}	17.6	X	261.40677	215.28682	182.16120	22.40488	0.0937329	0.35422373	1.9782642	20	7 29.7	20.2
274845 2009 QB_{38}	16.0	X	313.59047	325.29709	49.92718	5.25286	0.1688218	0.17414502	3.1758648	20	8 27.3	19.8
274846 2009 QO_{38}	17.3	X	119.09130	171.95494	153.63773	6.20729	0.2021583	0.29892736	2.2152646	20	—	—
274847 2009 QW_{38}	15.4	X	274.77875	309.68064	174.51572	10.34719	0.0634319	0.18796755	3.0181962	20	11 30.9	19.6
274848 2009 QL_{41}	17.3	X	18.17009	312.57511	9.39922	2.37407	0.2167640	0.27517579	2.3409703	20	11 11.7	19.8
274849 2009 QO_{41}	17.6	X	62.77409	318.56269	353.60828	6.38735	0.1718728	0.28681850	2.2771830	20	12 19.8	20.9
274850 2009 QF_{48}	17.1	X	171.96815	227.00185	148.54125	8.58175	0.2110146	0.23025741	2.6362928	20	3 21.3	21.6
274851 2009 QH_{48}	17.4	X	58.39215	346.34888	334.43597	3.93621	0.0992367	0.28666477	2.2779971	20	12 18.2	20.3
274852 2009 QB_{50}	17.6	X	6.20659	240.42676	161.00425	3.28725	0.1221013	0.28176495	2.3043303	20	—	—
274853 2009 QH_{62}	17.4	X	148.69948	199.66777	79.38698	5.74155	0.1578328	0.29974119	2.2112530	20	—	—
274854 2009 QL_{63}	17.3	X	39.98736	345.39100	342.00781	7.75855	0.1736313	0.28603734	2.2813271	20	12 14.3	20.4
274855 2009 RB_{4}	18.5	X	110.37667	75.06368	182.16932	9.53670	0.3008879	0.46987727	1.6386257	20	12 24.6	21.1
274856 Rosendosalvado	18.2	X	117.61214	106.32921	229.36101	2.70471	0.1873104	0.30027817	2.2086160	20	—	—
274857 2009 RU_{11}	15.7	X	288.69479	50.15146	13.95896	5.05877	0.1104202	0.17799908	3.1298549	20	9 26.7	19.8
274858 2009 RC_{15}	17.1	X	201.79297	311.40062	181.90469	3.60290	0.1306677	0.26351096	2.4095555	20	9 15.6	20.6
274859 2009 RN_{25}	17.8	X	62.66552	173.79091	189.12382	3.41657	0.0492735	0.28983356	2.2613629	20	—	—
274860 Emilylakdawalla	15.8	X	255.70642	152.06686	3.30070	10.19011	0.0453877	0.19171315	2.9787550	20	12 15.4	20.1
274861 2009 RH_{31}	17.9	X	13.21726	204.79012	203.61948	7.23219	0.1361501	0.28745582	2.2738160	20	—	—
274862 2009 RD_{35}	16.7	X	56.85775	182.08952	204.67567	4.13241	0.1248022	0.19991377	2.8967271	20	—	—
274863 2009 RA_{49}	17.2	X	50.04245	61.71032	321.97365	0.86435	0.0745136	0.19866570	2.9088464	20	—	—
274864 2009 RG_{50}	16.8	X	0.81903	125.40841	18.22606	5.00375	0.0660135	0.21487272	2.7606744	20	1 12.3	20.2
274865 2009 RC_{52}	17.0	X	245.23851	261.63809	35.87870	2.32228	0.1844753	0.23179993	2.6245843	20	2 17.2	21.2
274866 2009 RG_{53}	16.8	X	147.82566	188.83065	189.03646	6.10693	0.0793112	0.22157316	2.7047344	20	2 18.1	20.8
274867 2009 RJ_{54}	17.6	X	131.37097	228.63140	42.93571	4.35368	0.1028893	0.28475156	2.2881894	20	—	—
274868 2009 RM_{55}	16.5	X	35.10752	287.88094	128.71993	2.96882	0.0616200	0.20134913	2.8829440	20	—	—
274869 2009 RS_{55}	17.8	X	108.15257	197.60059	164.07457	3.69802	0.1577060	0.30144481	2.2029138	20	—	—
274870 2009 RH_{56}	13.0	X	347.05757	310.59997	54.40531	9.13389	0.0437257	0.08301349	5.2043953	20	9 28.2	19.7
274871 2009 RK_{59}	16.7	X	83.99343	214.55048	195.11235	5.38471	0.1262464	0.21274471	2.7790532	20	1 18.1	20.3
274872 2009 RT_{67}	17.5	X	102.76019	60.95477	275.78021	5.90415	0.1253464	0.29950433	2.2124186	20	—	—
274873 2009 RT_{70}	16.1	X	333.36452	319.04433	66.40672	2.19439	0.1588894	0.17954163	3.1119021	20	10 16.9	19.6
274874 2009 RO_{71}	16.9	X	60.77700	37.36419	7.57903	1.87231	0.0833889	0.20620884	2.8374695	20	—	—
274875 2009 RD_{72}	16.9	X	35.92139	77.07843	24.91154	4.50827	0.0308845	0.21404547	2.7677829	20	1 9.4	20.6
274876 2009 RE_{74}	16.6	X	224.82552	227.23808	32.06613	3.71651	0.0597133	0.21163982	2.7887171	20	—	—
274877 2009 RO_{75}	17.8	X	174.20610	123.92527	6.46913	5.26065	0.1444060	0.25433952	2.4671382	20	8 14.6	21.6
274878 2009 SU_{12}	18.0	X	250.80259	55.15769	328.86579	1.26836	0.1720311	0.25307500	2.4753497	20	6 10.6	21.3
274879 2009 SE_{13}	18.1	X	343.28777	46.82770	327.47522	2.10355	0.1353212	0.27539367	2.3397354	20	11 14.1	20.3
274880 2009 ST_{14}	17.4	X	256.79694	109.78784	272.59964	2.53985	0.1976268	0.25391785	2.4698689	20	6 12.1	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
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274881 2009 SE_{25}	17.6	X	47.62041	81.58106	328.10835	4.36566	0.1264473	0.29852181	2.2172704	20	—	—
274882 2009 ST_{34}	17.4	X	237.43560	235.05782	2.98852	7.64789	0.0653348	0.30291961	2.1957579	20	—	—
274883 2009 SG_{39}	17.6	X	121.57570	350.24217	358.24338	4.36690	0.1882418	0.30320992	2.1943561	20	—	—
274884 2009 SK_{42}	17.1	X	250.52068	189.33762	342.09821	6.83504	0.0686486	0.28616011	2.2806745	20	—	—
274885 2009 SP_{43}	17.3	X	323.91361	289.32662	220.63303	7.97528	0.0340721	0.29967707	2.2115684	20	—	—
274886 2009 SH_{46}	16.5	X	56.37375	191.39536	330.39581	4.21127	0.2217166	0.22926437	2.6438999	20	5 18.9	19.5
274887 2009 SN_{55}	16.9	X	247.87105	245.61077	244.69210	6.51429	0.0459549	0.27613525	2.3355445	20	11 24.4	19.7
274888 2009 SB_{58}	15.6	X	353.42053	40.01786	326.93410	5.81409	0.1742630	0.18042334	3.1017555	20	10 27.1	19.2
274889 2009 SR_{60}	16.2	X	280.77574	162.66045	309.81272	4.81954	0.2525874	0.18114286	3.0935364	20	10 23.7	20.1
274890 2009 SV_{62}	17.6	X	286.12199	118.57075	319.81066	1.14629	0.0850761	0.27723545	2.3293614	20	11 4.7	20.1
274891 2009 SN_{66}	15.5	X	305.42909	266.72445	185.50828	13.13323	0.2716601	0.18229189	3.0805232	20	11 14.1	18.6
274892 2009 SX_{66}	17.1	X	113.46761	303.13705	145.73712	4.31172	0.0341810	0.23008545	2.6376061	20	4 3.8	20.6
274893 2009 SA_{74}	17.1	X	172.40966	249.06864	178.24189	11.82807	0.1770135	0.23737030	2.5833612	20	5 23.2	21.5
274894 2009 SL_{74}	17.3	X	173.98583	333.78194	110.15147	4.02753	0.0838090	0.24297715	2.5434650	20	6 12.4	20.9
274895 2009 SQ_{77}	16.1	X	183.32592	309.26605	35.36637	15.68377	0.1183404	0.22285781	2.6943302	20	2 26.6	20.6
274896 2009 SW_{80}	18.1	X	34.98909	177.07441	211.77582	0.99596	0.1779708	0.29180227	2.2511803	20	—	—
274897 2009 SF_{81}	17.9	X	259.08415	330.83276	168.85372	5.72007	0.0448252	0.28810716	2.2703876	20	12 27.3	20.4
274898 2009 SN_{86}	16.8	X	131.92416	108.30081	296.32639	3.55256	0.1239655	0.22410896	2.6842929	20	3 9.3	20.8
274899 2009 SV_{87}	16.8	X	44.18935	286.17931	181.41688	8.46293	0.1040323	0.21505116	2.7591471	20	1 28.7	20.2
274900 2009 SJ_{91}	17.6	X	221.88928	249.40369	215.91340	3.79929	0.1522039	0.25893894	2.4378359	20	8 27.6	21.2
274901 2009 SB_{96}	17.1	X	137.16932	326.93578	307.79699	6.04310	0.1535295	0.29566895	2.2315103	20	—	—
274902 2009 SU_{102}	17.1	X	269.11852	219.99004	151.30434	5.41636	0.1212833	0.25437439	2.4669128	20	6 23.9	20.3
274903 2009 SK_{106}	17.2	X	310.35557	134.86841	241.48470	3.88218	0.1359324	0.26750932	2.3854855	20	9 6.8	19.6
274904 2009 SL_{107}	16.8	X	146.52292	110.12375	298.17506	1.98432	0.1932662	0.22775594	2.6555607	20	4 4.3	21.0
274905 2009 SR_{110}	13.5	X	298.64335	148.10112	269.22710	6.57011	0.1448717	0.08238263	5.2309306	20	9 9.3	20.1
274906 2009 SR_{111}	16.4	X	180.29641	271.49434	233.05252	5.65243	0.0577938	0.26432541	2.4046033	20	9 9.2	19.7
274907 2009 SP_{118}	16.6	X	274.65676	188.97030	277.81914	2.53955	0.1774093	0.18188613	3.0851029	20	10 20.3	20.5
274908 2009 SU_{128}	17.1	X	25.84488	216.94437	52.25903	1.90411	0.1568215	0.26031566	2.4292331	20	8 27.1	19.6
274909 2009 SD_{134}	16.0	X	303.45796	245.25762	170.36986	7.54669	0.1764102	0.17687262	3.1431297	20	9 30.6	19.6
274910 2009 SP_{136}	17.7	X	177.32440	55.24099	204.48114	5.49391	0.1498759	0.29480799	2.2358529	20	—	—
274911 2009 ST_{136}	16.3	X	277.58231	85.97842	17.36806	7.42384	0.2596728	0.17717600	3.1395408	20	10 7.9	20.5
274912 2009 SL_{138}	16.8	X	231.04204	263.46837	23.18703	3.60958	0.0508700	0.22030510	2.7151032	20	1 30.4	20.8
274913 2009 SZ_{138}	16.4	X	81.23146	241.19244	215.06593	7.67988	0.1228735	0.21669102	2.7452092	20	3 12.1	19.9
274914 2009 SB_{139}	16.7	X	89.22748	285.88027	217.87711	12.37320	0.1167618	0.22963884	2.6410248	20	5 26.9	20.3
274915 2009 SO_{142}	16.8	X	231.44232	337.57518	357.44514	3.32586	0.0893624	0.23555000	2.5966534	20	3 25.6	20.5
274916 2009 SH_{146}	17.3	X	265.94811	17.61523	20.34853	2.16184	0.1987884	0.25889937	2.4380843	20	7 15.7	20.4
274917 2009 SW_{149}	17.7	X	84.21285	52.55673	323.45778	3.38700	0.1896036	0.30020847	2.2089578	20	—	—
274918 2009 SU_{150}	16.7	X	92.60430	214.28735	214.18981	4.31877	0.0975152	0.22123424	2.7074960	20	2 17.1	20.3
274919 2009 SX_{153}	17.6	X	89.15626	252.31740	198.34391	4.39631	0.1471012	0.22429017	2.6828469	20	3 20.5	21.1
274920 2009 SS_{154}	17.3	X	240.25188	80.60351	10.53509	5.45784	0.1496471	0.26441284	2.4040732	20	9 3.7	20.4
274921 2009 SM_{156}	17.4	X	307.48766	269.36544	174.41358	5.85827	0.0785135	0.28047475	2.3113917	20	12 21.1	19.8
274922 2009 SH_{158}	17.5	X	70.64736	272.36687	349.44789	6.07029	0.1821657	0.26903054	2.3764846	20	10 20.4	20.9
274923 2009 SC_{161}	16.3	X	23.44265	341.25085	25.45128	24.80389	0.2005675	0.27870211	2.3211821	20	—	—
274924 2009 SM_{161}	17.7	X	320.87516	96.20620	291.35209	1.07087	0.2235091	0.27295882	2.3536288	20	10 19.6	18.8
274925 2009 SY_{164}	16.5	X	74.35424	80.33128	38.34600	13.04518	0.1457936	0.22235392	2.6983991	20	4 9.7	19.9
274926 2009 SU_{168}	16.7	X	117.47422	61.90593	302.77807	6.68653	0.2417209	0.21480677	2.7612395	20	1 21.9	20.8
274927 2009 SC_{169}	16.7	X	117.33549	254.11353	120.54199	4.68490	0.1139509	0.21615303	2.7497624	20	1 16.6	20.4
274928 2009 SU_{170}	16.1	X	142.36691	354.57666	43.89906	10.56355	0.2232499	0.22484025	2.6784693	20	3 27.2	20.5
274929 2009 SF_{171}	17.6	X	287.21165	311.87941	117.73046	2.89605	0.1853846	0.27040102	2.3684479	20	10 12.1	19.6
274930 2009 SH_{185}	16.9	X	130.09218	46.27082	333.22346	5.56822	0.0303274	0.21782243	2.7356948	20	1 27.3	20.6
274931 2009 SD_{197}	17.6	X	315.84900	31.38530	312.99368	3.67235	0.1946437	0.26072606	2.4266832	20	7 22.7	19.5
274932 2009 SN_{201}	16.7	X	342.69468	308.28390	71.11119	2.05025	0.1861150	0.18059011	3.0998457	20	10 27.4	20.0
274933 2009 SP_{202}	15.9	X	272.80611	258.54710	170.30393	5.57672	0.1573842	0.17247963	3.1962752	20	9 1.9	20.2
274934 2009 SA_{203}	17.1	X	267.13452	348.30163	116.88642	3.28498	0.1245195	0.27194522	2.3594735	20	11 7.2	19.5
274935 2009 ST_{205}	17.4	X	118.80740	245.92833	24.20821	4.90962	0.1971401	0.28416554	2.2913342	20	12 19.1	21.1
274936 2009 SS_{206}	16.6	X	155.03951	5.45051	338.21019	4.40435	0.1216930	0.21961665	2.7207745	20	1 21.9	20.8
274937 2009 SU_{212}	17.9	X	296.36763	19.87859	35.69657	2.12463	0.0880035	0.26853536	2.3794052	20	10 18.0	20.1
274938 2009 SG_{219}	16.8	X	1.14041	226.46004	157.22637	6.64377	0.2680136	0.18768188	3.0212581	20	12 20.1	20.1
274939 2009 SK_{222}	17.2	X	75.84555	150.54148	342.10347	8.51492	0.0591409	0.23574797	2.5951995	20	4 9.8	20.7
274940 2009 SS_{233}	15.6	X	313.48378	34.76421	43.73036	28.78097	0.2683498	0.17796255	3.1302832	20	11 8.5	18.4
274941 2009 SG_{235}	16.0	X	199.00966	349.00424	46.22461	14.33986	0.1992279	0.23421235	2.6065307	20	5 4.5	20.3
274942 2009 SY_{236}	16.4	X	160.83952	273.87691	94.16021	7.31636	0.1190985	0.22725489	2.6594626	20	2 27.3	20.5
274943 2009 SZ_{238}	16.3	X	173.82237	212.93179	160.11067	16.06489	0.1638022	0.22813822	2.6525934	20	3 17.9	20.6
274944 2009 SF_{244}	16.5	X	28.81530	299.21575	180.66600	9.27626	0.1476852	0.21195500	2.7859518	20	1 20.7	19.7
274945 2009 SJ_{261}	17.1	X	137.76365	208.77873	176.87759	6.64921	0.1919199	0.22147445	2.7055380	20	2 29.1	21.4
274946 2009 SE_{263}	17.7	X	295.95817	81.92684	46.22594	4.06025	0.1251749	0.28766632	2.2727066	20	—	—
274947 2009 SD_{267}	17.5	X	0.14771	202.80048	221.78803	6.03579	0.0772622	0.28579582	2.2826122	20	—	—
274948 2009 SV_{273}	17.1	X	70.30458	14.62466	35.98143	2.51828	0.0939901	0.21140304	2.7907990	20	—	—
274949 2009 SO_{277}	16.9	X	57.70497	251.80338	119.07159	3.01783	0.0782576	0.19944645	2.9012501	20	—	—
274950 2009 SH_{278}	17.2	X	219.55156	266.07442	66.12793	3.35299	0.1024557	0.23279184	2.6171235	20	3 11.0	21.2
274951 2009 ST_{278}	16.4	X	115.60250	303.07098	87.08800	3.57556	0.0323280	0.21857965	2.7293731	20	1 22.4	20.0
274952 2009 SM_{283}	16.7	X	184.48909	201.06851	162.08279	6.76978	0.1610205	0.23008250	2.6376287	20	3 14.2	20.8
274953 2009 SY_{291}	17.3	X	124.37764	352.18264	226.93066	3.62103	0.0359294	0.27079848	2.3661318	20	10 14.3	20.4
274954 2009 SJ_{295}	17.6	X	294.32467	236.08671	168.59669	8.31260	0.1122974	0.26578746	2.3957770	20	9 25.7	20.0
274955 2009 SR_{299}	15.6	X	355.34624	277.78643	122.70236	14.69263	0.1329704	0.17370515	3.1812240	20	12 11.9	19.7
274956 2009 SV_{299}	17.2	X	259.77489	220.28950	205.66135	5.14731	0.2072753	0.26414344	2.4057076	20	8 12.5	20.3
274957 2009 SP_{300}	17.0	X	40.01229	346.46427	279.49211	2.46125	0.1031648	0.26497983	2.4006426	20	9 4.2	19.8
274958 2009 SH_{302}	16.1	X	273.41873	96.49300	312.77944	3.80935	0.1478214	0.17148738	3.2085929	20	8 10.3	20.4
274959 2009 SS_{304}	18.0	X	273.89619	88.14975	342.85081	0.91375	0.1684322	0.26800633	2.3825353	20	9 19.6	20.3
274960 2009 SD_{320}	15.3	X	301.65913	52.72964	57.51738	10.51705	0.0738344	0.18139691	3.0906474	20	12 15.6	19.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
274961 2009 SV_{326}	16.3	X	135.11283	250.98885	188.65954	14.45165	0.2648952	0.22726860	2.6593556	20	5 11.0	20.9
274962 2009 SM_{327}	16.9	X	175.00267	89.41948	336.06575	11.04485	0.2495761	0.23626727	2.5913953	20	5 18.7	21.7
274963 2009 SF_{329}	16.8	X	287.76911	178.81698	207.60952	6.60077	0.1278467	0.26366787	2.4085994	20	8 10.9	19.5
274964 2009 SE_{331}	17.7	X	64.69608	265.26052	121.22042	3.32812	0.2094318	0.29752011	2.2222445	20	—	—
274965 2009 SL_{333}	17.7	X	293.55595	207.66601	197.95679	4.82869	0.2318155	0.26626977	2.3928831	20	9 4.7	19.9
274966 2009 SV_{333}	17.2	X	331.91704	22.94005	50.66756	5.04959	0.0973650	0.28306776	2.2972545	20	—	—
274967 2009 SG_{342}	16.8	X	124.88227	176.50511	214.49872	5.35971	0.0523041	0.21923693	2.7239151	20	2 4.2	20.6
274968 2009 SS_{342}	17.6	X	238.02858	298.20094	317.74237	2.68830	0.0656133	0.30714060	2.1755942	20	—	—
274969 2009 SJ_{346}	16.8	X	312.57594	175.93286	75.18540	1.68717	0.0455218	0.23596149	2.5936336	20	3 24.0	20.0
274970 2009 SK_{347}	13.3	X	283.00415	353.24361	85.63533	9.15970	0.1409384	0.08346643	5.1855499	20	9 22.5	20.1
274971 2009 SU_{347}	17.2	X	77.63481	345.46320	69.13599	0.66681	0.0642004	0.21395009	2.7686054	20	1 8.3	20.7
274972 2009 SO_{348}	15.2	X	0.33487	219.44591	221.66308	11.33692	0.1097431	0.19059207	2.9904244	20	—	—
274973 2009 SP_{348}	15.5	X	323.42349	53.96476	326.18562	15.65403	0.1055219	0.17338317	3.1851612	20	9 16.3	19.7
274974 2009 SH_{351}	16.8	X	98.57096	16.97134	281.61331	5.11635	0.1748507	0.28417971	2.2912581	20	—	—
274975 2009 SE_{353}	17.3	X	151.45611	276.63517	227.06336	5.58429	0.1047121	0.25226241	2.4806626	20	8 4.4	21.1
274976 2009 SR_{355}	13.5	X	299.89803	345.78978	41.87033	3.37387	0.0531977	0.08258163	5.2225237	20	8 23.7	20.2
274977 2009 SH_{356}	17.4	X	308.68389	290.33417	293.30268	2.23587	0.0215080	0.22296825	2.6934404	20	2 15.4	21.0
274978 2009 SH_{360}	15.9	X	0.82579	273.27698	106.68388	6.84066	0.0830775	0.18309019	3.0715624	20	11 21.9	19.9
274979 2009 SP_{360}	15.5	X	233.68038	32.02142	124.03571	12.77409	0.0260625	0.18120424	3.0928378	20	11 23.9	20.1
274980 2009 SL_{362}	17.0	X	192.12442	20.28208	232.30261	5.30743	0.2006322	0.28936930	2.2637810	20	—	—
274981 Petrsu	16.5	X	330.01577	57.87507	57.89843	2.93215	0.0203440	0.20255540	2.8714868	20	—	—
274982 2009 TO_{3}	16.6	X	231.22521	0.53354	320.57439	4.30405	0.2890929	0.23380463	2.6095602	20	2 27.0	21.3
274983 2009 TH_{4}	16.7	X	173.04388	272.05183	163.59582	7.66036	0.1213380	0.23812158	2.5779246	20	6 1.9	20.8
274984 2009 TD_{5}	17.5	X	83.38725	187.56957	224.46899	4.85590	0.1616731	0.30323640	2.1942284	20	1 5.2	19.3
274985 2009 TW_{5}	17.7	X	104.79088	292.91701	35.19265	6.49457	0.2426151	0.29667315	2.2264719	20	—	—
274986 2009 TY_{6}	16.3	X	166.90251	73.91642	322.20976	7.35889	0.0685164	0.22902684	2.6457276	20	3 30.1	20.3
274987 2009 TB_{7}	15.5	X	3.41704	134.13118	257.37622	7.91114	0.1405061	0.18637441	3.0353715	20	12 15.7	19.3
274988 2009 TG_{9}	13.1	X	311.56548	42.85183	1.46431	5.57571	0.1134480	0.08215400	5.2406310	20	9 18.8	19.5
274989 2009 TS_{11}	15.8	X	45.94719	237.17861	80.93199	5.53488	0.1744137	0.18281546	3.0746388	20	11 18.3	20.0
274990 2009 TO_{14}	17.3	X	41.51956	224.03975	190.26381	6.23396	0.1454270	0.29334024	2.2433048	20	—	—
274991 2009 TQ_{14}	16.9	X	292.72712	86.24280	11.11389	6.87745	0.0637268	0.27748398	2.3279703	20	12 14.5	19.5
274992 2009 TE_{15}	17.4	X	29.38466	176.70111	118.37173	3.66333	0.2255826	0.27264080	2.3554586	20	10 25.1	20.1
274993 2009 TB_{17}	15.2	X	47.03986	247.38590	93.99052	11.30789	0.0964477	0.18643422	3.0347224	20	12 7.7	19.4
274994 2009 TM_{21}	17.3	X	134.76295	183.70812	109.84207	4.43464	0.2890357	0.29668931	2.2263911	20	—	—
274995 2009 TB_{23}	15.8	X	316.60155	34.94610	47.03770	14.26888	0.2325259	0.18224628	3.0810372	20	11 24.7	18.9
274996 2009 TC_{23}	17.1	X	338.98551	332.69071	38.90126	6.98596	0.1344501	0.26801206	2.3825014	20	10 31.2	19.1
274997 2009 TG_{25}	16.9	X	295.41992	130.48623	273.40813	0.70261	0.1668554	0.26274657	2.4142265	20	9 17.0	19.3
274998 2009 TA_{26}	17.4	X	342.65497	129.82390	204.74190	1.85932	0.0891143	0.26151359	2.4218089	20	9 6.7	20.0
274999 2009 TE_{27}	15.5	X	8.84071	285.66783	69.01387	8.88443	0.2191654	0.18207415	3.0829787	20	11 17.4	18.9
275000 2009 TV_{29}	17.2	X	190.81274	5.39291	327.42521	4.18655	0.1465331	0.22505768	2.6767439	20	2 12.2	21.3
275001 2009 TZ_{29}	15.1	X	332.91221	315.86778	108.21761	10.67568	0.2037661	0.18446699	3.0562598	20	12 10.0	18.2
275002 2009 TK_{34}	17.6	X	324.14756	269.99739	79.59621	5.92533	0.1489721	0.26281090	2.4138325	20	8 27.9	19.8
275003 2009 TB_{36}	17.9	X	106.24099	189.80715	170.93954	2.23948	0.1854534	0.30032635	2.2083798	20	—	—
275004 2009 TJ_{36}	17.2	X	345.69126	356.17788	7.98899	2.49281	0.2073388	0.26969421	2.3725842	20	11 10.8	19.0
275005 2009 TO_{38}	15.4	X	7.08348	225.99831	151.89996	15.29084	0.2969203	0.18295101	3.0731199	20	12 26.3	19.2
275006 2009 TM_{39}	12.8	X	301.66362	319.85019	104.75329	16.13964	0.0554388	0.08450948	5.1427938	20	10 12.7	19.7
275007 2009 TW_{40}	13.2	X	290.44329	226.14921	202.39840	21.34677	0.1150099	0.08120714	5.2812887	20	9 15.6	20.1
275008 2009 TY_{46}	16.2	X	97.71159	65.53066	359.52600	12.80152	0.1399435	0.21689711	2.7434699	20	3 1.9	19.9
275009 2009 UC_{3}	15.7	X	195.63292	89.19217	320.12489	13.53538	0.1157095	0.23866796	2.5739887	20	5 16.8	20.0
275010 2009 UO_{4}	16.7	X	203.74739	292.86685	38.56384	3.06713	0.1147512	0.22525050	2.6752161	20	2 23.4	20.8
275011 2009 US_{4}	17.0	X	94.57283	108.07008	352.23527	5.11196	0.0991855	0.22445219	2.6815557	20	4 1.6	20.4
275012 2009 UC_{7}	15.1	X	50.55492	310.77757	160.20309	3.12353	0.1665082	0.12631198	3.9340483	20	3 5.4	20.0
275013 2009 UM_{7}	16.9	X	93.42629	295.23259	100.97540	1.63626	0.0773328	0.21462995	2.7627558	20	1 8.1	20.5
275014 2009 UW_{11}	15.2	X	90.48200	235.90545	66.67818	11.44061	0.0929802	0.18880335	3.0092822	20	12 8.7	19.6
275015 2009 UN_{12}	15.8	X	333.64332	46.49779	327.27531	4.52600	0.1706874	0.17972945	3.1097338	20	9 28.7	19.1
275016 2009 UV_{15}	15.8	X	337.86786	344.83705	51.82224	4.64578	0.1141328	0.18261734	3.0768622	20	11 8.3	19.3
275017 2009 UY_{22}	15.8	X	53.83032	44.07158	50.06144	13.82074	0.0521452	0.20852682	2.8164028	20	1 29.4	19.7
275018 2009 UF_{26}	18.1	X	44.86379	90.74818	208.03266	3.51651	0.1346305	0.27247688	2.3564032	20	11 4.4	21.0
275019 2009 UK_{26}	15.1	X	170.36584	141.03406	55.26400	12.32184	0.0186375	0.17654341	3.1470360	20	10 27.9	19.7
275020 2009 UN_{26}	17.4	X	1.66338	193.50869	179.58251	2.08339	0.2209059	0.27481243	2.3430333	20	12 29.1	19.7
275021 2009 UO_{28}	15.9	X	250.90679	278.29423	218.95712	12.62865	0.2555183	0.17516019	3.1635821	20	10 15.8	20.7
275022 2009 UZ_{28}	16.1	X	286.51695	58.85893	44.34738	17.34824	0.2209708	0.17783110	3.1318256	20	10 29.3	19.8
275023 2009 UQ_{29}	16.5	X	290.17194	35.15069	44.61664	0.19694	0.1516290	0.17565066	3.1576902	20	10 12.5	20.4
275024 2009 UJ_{30}	17.4	X	246.22678	84.86020	59.37500	2.18142	0.1209597	0.27220446	2.3579752	20	11 28.7	19.9
275025 2009 UY_{31}	16.7	X	61.33766	306.98136	43.17460	1.21732	0.0657697	0.18921258	3.0049416	20	12 30.8	20.9
275026 2009 UZ_{32}	16.8	X	96.48044	76.15826	47.82118	10.34477	0.1471736	0.22670544	2.6637579	20	5 13.2	20.3
275027 2009 UB_{35}	17.0	X	102.54362	107.61955	57.24575	7.45439	0.1332328	0.23681170	2.5874221	20	7 13.9	20.8
275028 2009 UN_{35}	16.7	X	1.36682	345.38594	67.80170	1.07454	0.2122261	0.18681155	3.0306346	20	—	—
275029 2009 UB_{37}	16.3	X	108.20624	231.69989	52.97141	3.69412	0.0903707	0.18704385	3.0281247	20	12 5.6	21.0
275030 2009 UG_{37}	16.7	X	277.18672	109.19038	205.60363	3.30554	0.1408375	0.23820386	2.5773310	20	4 15.1	20.1
275031 2009 UL_{37}	15.3	X	56.40067	28.71132	106.92712	1.46319	0.1971098	0.12419845	3.9785540	20	4 17.3	20.4
275032 2009 UE_{44}	16.2	X	235.43579	219.28405	39.74840	4.88038	0.0897158	0.21362473	2.7714158	20	—	—
275033 2009 UK_{45}	17.1	X	169.40493	249.55905	79.82691	1.65246	0.0700280	0.21410633	2.7672584	20	1 15.5	21.1
275034 2009 UH_{46}	17.1	X	330.97806	38.10769	42.66226	7.34536	0.0822185	0.27920816	2.3183765	20	—	—
275035 2009 UT_{46}	16.9	X	174.35948	149.56031	254.57427	0.42821	0.0365834	0.23005062	2.6378724	20	4 19.9	20.6
275036 2009 UY_{46}	15.9	X	121.77194	244.14534	51.35051	4.92629	0.1673659	0.19214387	2.9743017	20	—	—
275037 2009 US_{50}	17.0	X	155.72443	31.48356	270.94498	0.96455	0.0525723	0.20502283	2.8484017	20	—	—
275038 2009 UO_{54}	16.9	X	86.23918	109.71249	303.42671	2.99523	0.0314897	0.21850435	2.7300000	20	1 13.3	20.3
275039 2009 UW_{58}	16.9	X	92.91075	23.05403	241.91322	4.39601	0.1001351	0.27044723	2.3681781	20	11 11.4	20.2
275040 2009 UL_{65}	16.5	X	56.12840	286.99626	137.78278	4.46581	0.0828538	0.20842976	2.8172771	20	—	—

ELEMENTS AND OPPOSITION DATES IN 2020

ECLIPTIC AND EQUINOX 2000.0, EPOCH 2020 MAY 31.0 TT

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
275041 2009 UO_{67}	16.6	X	149.53296	247.32833	85.18210	5.99324	0.1240345	0.21287058	2.7779577	20	1 3.3	20.6
275042 2009 UL_{68}	16.0	X	164.61116	63.97757	51.66619	22.68052	0.0158081	0.24243054	2.5472867	20	7 14.9	19.9
275043 2009 UH_{71}	17.8	X	84.22218	208.61675	206.35919	3.64801	0.0573675	0.30476818	2.1868700	20	—	—
275044 2009 UK_{71}	17.1	X	14.49456	343.75590	17.44083	7.02396	0.1283264	0.27423124	2.3463426	20	12 16.1	20.0
275045 2009 UC_{76}	17.3	X	76.68049	203.07698	219.05710	4.10636	0.1125708	0.21222107	2.7836228	20	1 21.8	20.9
275046 2009 UZ_{80}	16.3	X	196.78104	265.59867	22.73728	5.09358	0.1311052	0.21331051	2.7741369	20	—	—
275047 2009 UZ_{83}	16.4	X	31.83308	72.88471	72.29807	4.73329	0.1406792	0.21417073	2.7667036	20	3 5.3	19.4
275048 2009 UA_{87}	17.0	X	232.10683	136.68064	202.09088	3.21201	0.2625124	0.23660512	2.5889279	20	3 20.4	21.6
275049 2009 UA_{90}	17.1	X	92.47288	307.65833	46.35699	7.55248	0.1163813	0.29258621	2.2471573	20	—	—
275050 2009 UO_{91}	16.4	X	150.29424	235.19287	195.43534	11.39958	0.1359816	0.23053556	2.6341718	20	5 4.2	20.5
275051 2009 UA_{93}	16.3	X	23.40773	94.88737	286.74520	8.89298	0.0953813	0.18658625	3.0330736	20	12 26.1	20.4
275052 2009 UJ_{99}	17.5	X	259.93308	81.75244	68.84560	3.81843	0.0901180	0.27823285	2.3237913	20	—	—
275053 2009 UY_{100}	17.9	X	116.42778	153.88336	144.44859	2.90355	0.1673109	0.28649643	2.2788894	20	—	—
275054 2009 UH_{107}	16.9	X	81.08416	266.43243	162.28706	1.36002	0.0873876	0.21138856	2.7909265	20	2 3.2	20.3
275055 2009 UN_{108}	17.0	X	151.79227	37.84977	53.86762	8.26568	0.0814421	0.23460436	2.6036264	20	5 27.5	20.8
275056 2009 UX_{108}	16.7	X	178.05599	223.15051	199.85794	3.26384	0.1318411	0.23562415	2.5961086	20	5 20.9	20.8
275057 2009 UG_{109}	16.5	X	329.93629	274.10698	188.87140	2.51293	0.0724490	0.19092168	2.9869816	20	—	—
275058 2009 US_{110}	16.8	X	89.26028	142.18386	244.02410	1.01459	0.0781287	0.20328408	2.8646208	20	—	—
275059 2009 UD_{117}	13.1	X	325.86651	140.85845	249.27203	12.57028	0.0451427	0.08217346	5.2398035	20	9 21.3	20.0
275060 2009 UX_{117}	15.9	X	312.47697	68.48903	351.19643	6.29379	0.0876236	0.18166286	3.0876303	20	10 26.8	19.9
275061 2009 UA_{118}	16.7	X	100.08469	111.98124	340.79888	5.95046	0.1709973	0.22206548	2.7007352	20	4 8.5	20.5
275062 2009 UY_{119}	17.6	X	248.02083	112.08410	44.61454	1.81153	0.0668209	0.28255132	2.3000529	20	12 30.3	20.0
275063 2009 UX_{120}	16.8	X	86.95819	52.31773	3.57434	2.45301	0.1801208	0.21113063	2.7931990	20	2 9.6	20.4
275064 2009 US_{121}	15.8	X	33.90153	261.77154	244.98619	7.86304	0.1819223	0.21688694	2.7435557	20	3 6.4	18.7
275065 2009 UZ_{128}	17.2	X	187.70555	191.58376	238.88992	5.14296	0.0701550	0.23952042	2.5678778	20	6 10.0	20.7
275066 2009 UZ_{129}	16.2	X	152.73226	90.72653	351.38668	16.92012	0.1467342	0.23476214	2.6024597	20	5 13.9	20.6
275067 2009 UZ_{130}	15.9	X	1.90377	68.40378	357.58539	12.61069	0.2281647	0.19142842	2.9817080	20	—	—
275068 2009 UL_{134}	16.6	X	95.12987	163.31469	239.02387	2.77372	0.0981586	0.21021944	2.8012646	20	1 21.1	20.4
275069 2009 UR_{134}	16.9	X	92.36395	218.61191	204.21995	4.23577	0.0495065	0.21416527	2.7667506	20	2 4.0	20.6
275070 2009 US_{136}	15.4	X	269.59319	31.08153	63.43960	14.87150	0.1947126	0.17162357	3.2068952	20	10 2.8	20.0
275071 2009 UZ_{137}	16.3	X	216.10167	67.71715	281.89432	4.17121	0.2387102	0.23170706	2.6252855	20	3 20.7	21.0
275072 2009 UB_{138}	16.8	X	338.93403	246.67467	180.05277	4.71527	0.2288397	0.18532777	3.0467891	20	12 26.9	19.9
275073 2009 UX_{139}	15.8	X	184.65765	120.15781	319.82523	14.01671	0.1016619	0.24297719	2.5434647	20	6 19.5	19.9
275074 2009 UK_{140}	17.0	X	270.60374	207.08055	54.72008	6.73313	0.1253789	0.31096988	2.1576972	20	1 24.9	19.9
275075 2009 UZ_{140}	15.3	X	282.90423	221.74362	259.39865	16.41589	0.1564192	0.18086578	3.0966950	20	11 23.1	19.2
275076 2009 UT_{141}	16.9	X	202.25929	357.80782	221.09531	5.56725	0.0744859	0.28442539	2.2899384	20	—	—
275077 2009 UM_{145}	16.5	X	243.90567	6.73569	320.02693	11.28050	0.1303783	0.23707358	2.5855163	20	3 20.4	20.6
275078 2009 UU_{145}	15.0	X	2.63219	225.13060	114.28227	22.70635	0.0862112	0.17490619	3.1666441	20	10 11.8	19.6
275079 2009 UW_{147}	17.4	X	158.96951	259.46508	212.41868	3.65082	0.1494822	0.24121307	2.5558508	20	7 3.6	21.4
275080 2009 UN_{148}	15.6	X	63.28748	2.29151	130.38111	2.67527	0.2087785	0.12596087	3.9413555	20	4 25.4	20.7
275081 2009 UN_{149}	16.7	X	206.60019	86.26444	56.03338	7.14651	0.0575698	0.26533685	2.3984886	20	10 14.6	19.9
275082 2009 UW_{151}	16.1	X	302.99365	86.70347	350.37967	9.34367	0.2434041	0.17722444	3.1389687	20	10 15.4	19.6
275083 2009 UA_{152}	16.7	X	277.95475	261.33976	140.33818	12.80267	0.1407095	0.25731923	2.4480553	20	8 17.5	19.5
275084 2009 UN_{152}	17.4	X	330.26364	83.60592	298.56630	5.54578	0.1201572	0.26737942	2.3862580	20	10 26.0	19.8
275085 2009 UJ_{154}	17.6	X	205.97696	1.44842	217.05474	2.37220	0.1152174	0.28414178	2.2914620	20	—	—
275086 2009 UN_{154}	15.9	X	9.88224	334.34555	103.39264	9.66255	0.0890186	0.18248229	3.0783800	20	—	—
275087 2009 VA_{7}	16.0	X	160.12815	38.30957	31.06738	15.01916	0.0756031	0.23299501	2.6156018	20	5 5.6	19.8
275088 2009 VA_{8}	17.6	X	168.04433	309.16402	32.16582	2.42835	0.1472596	0.30941111	2.1649379	20	1 22.6	20.4
275089 2009 VU_{8}	16.4	X	61.59332	348.00044	349.30879	2.67200	0.0744324	0.18765296	3.0215684	20	12 16.3	20.8
275090 2009 VG_{9}	17.7	X	112.28666	56.78662	249.59268	4.25051	0.1950745	0.28965426	2.2622961	20	—	—
275091 2009 VO_{16}	17.8	X	239.69368	252.31977	59.43053	6.50528	0.1865660	0.31835991	2.1241758	20	2 24.1	21.1
275092 2009 VD_{20}	16.8	X	106.72126	326.39147	286.85081	3.87747	0.1242505	0.27048465	2.3679597	20	11 11.9	20.3
275093 2009 VG_{20}	16.0	X	157.99157	63.95746	271.49221	4.23705	0.0304436	0.21074549	2.7966011	20	1 6.5	19.9
275094 2009 VH_{21}	16.9	X	18.17389	79.04991	141.74092	2.56225	0.0572862	0.23304153	2.6152537	20	5 19.6	20.1
275095 2009 VE_{23}	16.6	X	221.11380	163.45180	221.31522	4.86458	0.1993279	0.23825189	2.5769845	20	5 10.5	20.9
275096 2009 VN_{27}	17.1	X	132.08292	187.80425	220.90174	4.30529	0.1115504	0.22048467	2.7136289	20	3 13.5	21.0
275097 2009 VY_{28}	17.1	X	117.52146	332.30984	21.42891	7.51518	0.1628757	0.29829800	2.2183794	20	—	—
275098 2009 VJ_{29}	17.4	X	5.38580	68.39771	313.01100	1.95566	0.1520229	0.27594569	2.3366140	20	—	—
275099 2009 VA_{30}	16.4	X	200.69311	5.46428	44.68179	9.52358	0.1249212	0.23665232	2.5885836	20	5 25.6	20.4
275100 2009 VZ_{30}	16.9	X	48.81904	148.87145	36.94985	12.59642	0.1279347	0.23002884	2.6380389	20	5 24.4	20.0
275101 2009 VB_{39}	16.5	X	174.50860	8.50461	60.21257	13.31853	0.1571560	0.23291714	2.6161848	20	5 24.3	20.6
275102 2009 VF_{41}	17.2	X	36.60721	331.16331	74.01416	6.29485	0.1039434	0.28950641	2.2630662	20	—	—
275103 2009 VK_{41}	16.8	X	184.99078	310.48318	85.37424	4.49013	0.2278658	0.23274096	2.6175049	20	4 25.0	21.3
275104 2009 VF_{42}	15.7	X	299.10359	272.17284	225.65522	11.09040	0.2399542	0.18251668	3.0779933	20	—	—
275105 2009 VM_{42}	15.4	X	277.41326	94.48885	48.00738	13.18397	0.1205892	0.17857921	3.1230728	20	12 14.7	19.6
275106 Sarahdubeyjames	16.0	X	355.64943	290.70383	105.76356	9.39053	0.2573078	0.18279172	3.0749050	20	12 23.1	19.2
275107 2009 VN_{43}	16.9	X	172.76415	67.58870	332.90306	1.95648	0.1427370	0.22942707	2.6426498	20	4 16.4	21.1
275108 2009 VO_{43}	16.5	X	187.05205	240.38060	169.84312	4.74637	0.0762468	0.23478659	2.6022790	20	5 14.6	20.3
275109 2009 VM_{44}	17.4	X	6.31825	331.47594	104.57273	4.62072	0.0738253	0.28578984	2.2826441	20	—	—
275110 2009 VE_{45}	16.7	X	223.31478	269.25496	18.91273	6.08404	0.0446405	0.30574017	2.1822326	20	1 10.0	19.5
275111 2009 VN_{45}	17.4	X	276.88169	105.19433	35.70146	4.05257	0.1055438	0.27939782	2.3173273	20	—	—
275112 2009 VP_{47}	16.8	X	295.76780	143.94217	155.02052	3.12281	0.1778851	0.23824756	2.5770158	20	4 13.6	20.0
275113 2009 VZ_{48}	17.2	X	201.04704	163.89528	46.86101	4.47471	0.0943013	0.27931361	2.3177930	20	—	—
275114 2009 VF_{49}	17.2	X	286.68340	270.37495	227.33256	6.11767	0.0575842	0.28171864	2.3045829	20	—	—
275115 2009 VC_{55}	16.8	X	19.02806	4.38199	81.12029	3.18283	0.0444227	0.20433151	2.8548228	20	—	—
275116 2009 VD_{57}	13.0	X	9.49516	300.02996	62.35534	8.37746	0.0249837	0.08340567	5.1880679	20	10 20.3	19.8
275117 2009 VE_{57}	16.5	X	247.53679	138.02658	187.13293	2.24880	0.1561097	0.23388160	2.6089876	20	3 24.9	20.4
275118 2009 VV_{57}	16.1	X	263.05341	44.74308	74.48233	11.18002	0.1652111	0.17507983	3.1645501	20	10 26.1	20.5
275119 2009 VC_{58}	17.1	X	266.03765	6.16688	85.55715	3.34618	0.1615967	0.26401811	2.4064688	20	10 9.5	19.7
275120 2009 VG_{59}	15.3	X	61.00277	198.41634	159.47328	11.45410	0.1004607	0.19252747	2.9703497	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
275121 2009 VC_{60}	15.9	X	155.97932	290.50981	88.75365	10.93815	0.0733447	0.21745776	2.7387524	20	3 6.5	20.1
275122 2009 VN_{60}	16.1	X	191.75501	235.29953	167.11681	18.23566	0.1719195	0.23585160	2.5944392	20	5 11.2	20.7
275123 2009 VX_{62}	16.9	X	221.40593	317.42122	60.69489	2.38640	0.0358532	0.23314837	2.6144547	20	5 13.8	20.4
275124 2009 VO_{63}	17.3	X	39.25647	247.43841	77.17976	4.70558	0.1349338	0.26860386	2.3790006	20	11 30.7	20.2
275125 2009 VR_{64}	16.8	X	358.43010	32.04884	48.07109	8.42860	0.2280191	0.19500171	2.9451705	20	—	—
275126 2009 VB_{66}	17.0	X	17.30266	184.48128	5.87500	2.64682	0.1220940	0.22300202	2.6931685	20	4 6.3	19.9
275127 2009 VN_{66}	16.7	X	36.29879	51.87910	314.42266	2.57305	0.1373157	0.18601844	3.0392427	20	12 29.5	20.8
275128 2009 VV_{66}	16.1	X	152.23846	300.94630	272.23054	4.37378	0.0724756	0.17193655	3.2030022	20	10 22.5	21.0
275129 2009 VA_{67}	16.8	X	290.34834	102.48354	355.06305	3.04922	0.2540044	0.17508079	3.1645385	20	10 19.8	20.4
275130 2009 VF_{67}	16.5	X	306.57679	98.74978	12.91539	3.37740	0.1250811	0.18315918	3.0707910	20	12 23.1	20.2
275131 2009 VO_{67}	16.8	X	118.54911	68.53614	48.68446	10.06495	0.0400031	0.23147962	2.6270049	20	5 16.8	20.3
275132 2009 VC_{68}	16.7	X	22.46401	124.46386	45.06627	5.29959	0.1481573	0.21595713	2.7514251	20	3 21.6	19.6
275133 2009 VJ_{69}	15.7	X	94.37785	354.18245	61.74342	9.96271	0.1505954	0.20885325	2.8134674	20	2 19.5	19.6
275134 2009 VX_{69}	16.5	X	336.12166	64.25456	31.18267	2.00538	0.1267696	0.18680580	3.0306967	20	—	—
275135 2009 VC_{71}	15.9	X	6.89703	170.63137	280.68176	4.29825	0.1187431	0.19358567	2.9595152	20	—	—
275136 2009 VY_{71}	16.9	X	216.60710	63.73787	266.95929	4.31187	0.0592596	0.22304997	2.6927825	20	3 4.5	20.8
275137 2009 VP_{72}	12.9	X	321.52919	315.98444	84.18516	11.96159	0.2250209	0.08300144	5.2048990	20	9 23.2	19.0
275138 2009 VC_{74}	17.1	X	148.08881	57.00615	45.73459	3.33393	0.1616069	0.23704513	2.5857232	20	6 11.9	21.1
275139 2009 VL_{75}	16.0	X	333.89862	85.03744	29.37311	10.43232	0.1322539	0.19170221	2.9788683	20	—	—
275140 2009 VN_{75}	16.7	X	351.16165	300.38943	119.15511	2.93091	0.2252676	0.18518290	3.0483779	20	—	—
275141 2009 VL_{76}	16.3	X	120.59293	251.48512	223.92044	15.65206	0.1232340	0.22977158	2.6400076	20	5 28.0	20.2
275142 2009 VZ_{76}	15.4	X	320.23508	224.98143	165.25292	11.84852	0.1217438	0.17337887	3.1852139	20	10 1.1	19.2
275143 2009 VS_{77}	15.3	X	32.89786	40.10455	314.82902	11.30420	0.1687346	0.18598583	3.0395979	20	12 16.0	19.6
275144 2009 VP_{78}	16.3	X	210.26606	234.35496	184.58310	12.81315	0.1624795	0.24097449	2.5575375	20	6 15.2	20.6
275145 2009 VK_{80}	16.5	X	121.69952	301.68804	142.45269	13.84511	0.2365274	0.22550853	2.6731750	20	5 5.4	21.0
275146 2009 VG_{81}	16.4	X	85.48018	268.61557	199.06652	8.57331	0.1206634	0.21954062	2.7214026	20	4 3.6	19.8
275147 2009 VN_{84}	17.4	X	224.87301	186.13298	54.93999	7.49644	0.0712292	0.29115323	2.2545246	20	—	—
275148 2009 VV_{85}	16.1	X	351.81995	170.39368	208.44107	2.88084	0.1102444	0.17592096	3.1544549	20	11 6.0	20.0
275149 2009 VP_{86}	16.3	X	309.70420	7.81273	84.27934	6.71450	0.1152740	0.17987382	3.1080696	20	12 3.2	20.1
275150 2009 VA_{89}	16.6	X	289.21631	101.20985	348.79359	3.64920	0.2481865	0.17524902	3.1625130	20	10 8.9	20.2
275151 2009 VZ_{91}	16.2	X	69.58658	272.92208	132.91064	10.91539	0.1915169	0.20261689	2.8709059	20	1 3.3	19.5
275152 2009 VW_{94}	17.1	X	62.28289	353.79208	283.86211	2.85304	0.2181633	0.26221266	2.4175026	20	11 5.1	20.7
275153 2009 VZ_{94}	16.9	X	247.08612	143.07060	156.58101	2.53307	0.1864973	0.22486478	2.6782745	20	2 20.9	21.3
275154 2009 VW_{95}	16.9	X	283.63879	70.24058	224.56468	2.03925	0.0599352	0.23080780	2.6321001	20	4 8.9	20.5
275155 2009 VA_{104}	15.9	X	286.03641	256.04290	204.36455	15.84851	0.2333411	0.17533298	3.1615033	20	10 20.8	19.6
275156 2009 VU_{104}	15.1	X	258.19783	60.64512	51.13098	18.21261	0.1967588	0.17653617	3.1471220	20	10 10.2	19.7
275157 2009 VZ_{110}	16.0	X	322.34296	67.09949	14.02239	5.37445	0.1737727	0.18017116	3.1046492	20	12 7.7	19.4
275158 2009 VD_{111}	17.2	X	315.32466	147.82816	243.82105	4.38103	0.1232170	0.26622038	2.3931790	20	10 12.1	19.4
275159 2009 VM_{111}	17.3	X	178.61728	50.09552	308.58727	4.30398	0.0783214	0.31615991	2.1340185	20	2 18.3	20.0
275160 2009 VN_{116}	16.0	X	304.63942	290.62686	183.61326	13.53555	0.2574249	0.18066461	3.0989946	20	12 12.4	19.3
275161 2009 WU_{4}	16.2	X	53.64248	342.24700	216.90294	11.06039	0.0642343	0.23587884	2.5942394	20	6 13.0	19.5
275162 2009 WC_{6}	15.2	X	340.85204	358.37896	73.42912	18.06788	0.2706747	0.18093458	3.0959100	20	—	—
275163 2009 WG_{9}	16.8	X	160.42507	226.83725	200.18663	3.13595	0.1027158	0.23022567	2.6365351	20	5 7.2	20.7
275164 2009 WM_{9}	16.4	X	167.53011	313.25782	164.85618	3.29033	0.1022827	0.24170740	2.5523648	20	7 19.9	20.3
275165 2009 WM_{10}	15.0	X	278.70388	345.47086	115.24402	12.65506	0.1358491	0.17065030	3.2190768	20	10 29.1	19.5
275166 2009 WQ_{10}	16.7	X	186.88627	228.72145	202.18708	6.32267	0.1813555	0.23550824	2.5969603	20	6 8.0	21.1
275167 2009 WW_{15}	15.4	X	330.72409	331.31881	131.70381	6.49612	0.1199828	0.17470293	3.1690998	20	—	—
275168 2009 WC_{24}	16.5	X	197.07591	342.18738	64.82768	5.32469	0.1820738	0.23551369	2.5969203	20	5 17.8	20.8
275169 2009 WW_{29}	17.0	X	239.53103	152.42122	65.27455	8.91096	0.0729126	0.29471121	2.2363423	20	—	—
275170 2009 WM_{31}	16.4	X	314.57372	235.33436	173.15482	1.07961	0.1463494	0.17275171	3.1929184	20	10 11.9	20.1
275171 2009 WQ_{31}	16.7	X	333.21684	97.31323	204.44899	2.37273	0.1417125	0.24510003	2.5287573	20	6 25.9	19.2
275172 2009 WX_{31}	16.3	X	259.39367	71.21230	77.06890	6.26024	0.1311479	0.17839293	3.1252466	20	11 27.6	20.4
275173 2009 WX_{33}	16.6	X	145.31229	43.29977	101.46260	3.68335	0.1193161	0.24084848	2.5584294	20	8 1.7	20.4
275174 2009 WE_{34}	16.3	X	245.70098	319.79762	231.98382	3.74484	0.0597070	0.18617434	3.0375458	20	—	—
275175 2009 WY_{34}	15.5	X	348.75696	315.59412	113.31031	10.36963	0.0707286	0.17531599	3.1617075	20	12 30.6	19.6
275176 2009 WS_{38}	17.5	X	132.43956	250.15546	9.30963	1.18717	0.1546312	0.27304564	2.3531298	20	12 16.3	21.3
275177 2009 WX_{39}	16.2	X	146.14030	134.92293	271.19958	4.63562	0.0627789	0.21948212	2.7218861	20	3 20.1	20.2
275178 2009 WP_{40}	16.9	X	58.57924	92.79303	329.51757	1.26048	0.0724480	0.20069568	2.8891984	20	—	—
275179 2009 WC_{41}	17.1	X	251.76978	102.36226	283.54811	1.62505	0.0498697	0.24138262	2.5546538	20	7 1.4	20.3
275180 2009 WQ_{43}	16.4	X	96.22818	347.59235	99.76824	6.36630	0.0331927	0.21345666	2.7728705	20	3 13.5	20.2
275181 2009 WH_{52}	16.6	X	169.69658	244.14327	151.07439	6.61231	0.1807746	0.22545623	2.6735884	20	4 11.5	21.0
275182 2009 WS_{58}	17.8	X	228.31617	149.57405	89.81973	3.42596	0.1325811	0.29482014	2.2357914	20	—	—
275183 2009 WP_{62}	16.7	X	107.48647	229.42587	183.26360	4.70517	0.0669939	0.21336541	2.7736610	20	2 13.5	20.4
275184 2009 WG_{65}	16.4	X	180.71151	350.05405	31.29539	5.29476	0.0678344	0.22447491	2.6813748	20	3 31.5	20.4
275185 2009 WB_{76}	17.0	X	165.96371	69.58322	109.07547	4.59838	0.0949577	0.25732375	2.4480266	20	10 10.4	20.5
275186 2009 WU_{76}	16.3	X	15.69397	43.58109	4.45003	4.38908	0.0842680	0.18711471	3.0273602	20	—	—
275187 2009 WN_{77}	16.4	X	26.59207	230.56438	270.18081	8.56530	0.0732660	0.21135256	2.7912434	20	2 11.6	19.9
275188 2009 WG_{78}	16.5	X	28.36763	39.32042	340.53031	2.84374	0.1156658	0.18453222	3.0555395	20	—	—
275189 2009 WS_{79}	16.6	X	53.62769	290.28029	188.00590	3.14081	0.0472984	0.21204773	2.7851395	20	2 23.0	20.1
275190 2009 WW_{85}	17.4	X	91.35983	306.58152	28.98079	7.53619	0.1419463	0.28565794	2.2833466	20	—	—
275191 2009 WE_{86}	15.7	X	262.80465	207.61028	288.49640	6.57128	0.1478910	0.17641538	3.1485584	20	11 12.3	20.1
275192 2009 WO_{97}	16.1	X	242.60666	149.25651	220.43361	5.68904	0.1775220	0.23864495	2.5741542	20	5 13.7	19.9
275193 2009 WF_{102}	16.7	X	175.85143	183.08856	167.92067	6.27199	0.0865511	0.21736463	2.7395346	20	2 17.2	20.8
275194 2009 WK_{120}	16.6	X	33.65865	30.45502	66.53139	3.00945	0.0347519	0.20451355	2.8531284	20	1 1.4	20.4
275195 2009 WE_{126}	15.7	X	240.47188	92.46076	76.27714	8.44708	0.1900086	0.17629658	3.1499727	20	11 21.5	20.3
275196 2009 WP_{133}	16.8	X	143.94439	16.81748	111.79592	3.66783	0.0568003	0.23996155	2.5647297	20	7 5.8	20.4
275197 2009 WT_{133}	17.2	X	181.01632	336.12582	346.10369	5.07073	0.0996138	0.30670271	2.1776645	20	1 7.9	20.1
275198 2009 WY_{134}	16.3	X	293.58672	104.93492	354.11926	6.08675	0.1273938	0.17925382	3.1152323	20	11 13.2	20.3
275199 2009 WM_{140}	17.1	X	262.56126	161.55038	157.35419	4.73611	0.1716725	0.23583083	2.5945915	20	4 1.2	20.9
275200 2009 WV_{152}	15.7	X	247.64463	104.62127	35.51491	15.82340	0.1645519	0.17472664	3.1688131	20	10 28.6	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
275201 2009 WN_{159}	15.9	X	61.25964	329.67636	346.06382	3.58317	0.0526752	0.18048959	3.1009965	20	11 14.5	20.4
275202 2009 WA_{160}	16.6	X	308.08449	128.86307	352.60115	2.50813	0.1214872	0.18713289	3.0271642	20	—	—
275203 2009 WC_{160}	16.5	X	10.65784	100.93770	333.09826	1.74753	0.1190274	0.19327857	2.9626493	20	—	—
275204 2009 WW_{163}	16.9	X	200.11988	162.83409	57.76836	4.93828	0.1027274	0.27597457	2.3364510	20	—	—
275205 2009 WO_{166}	16.0	X	248.30068	235.98389	115.96190	8.04701	0.1196714	0.22417958	2.6837291	20	5 6.2	20.0
275206 2009 WG_{170}	16.1	X	10.33618	232.02092	288.12426	7.54914	0.0712177	0.21153761	2.7896154	20	2 13.5	19.6
275207 2009 WN_{173}	15.2	X	273.28514	274.59543	238.27907	15.75815	0.0960093	0.18234123	3.0799674	20	12 25.5	19.4
275208 2009 WY_{176}	16.6	X	1.42386	102.18588	57.42670	9.41311	0.0854197	0.21405425	2.7677072	20	2 3.8	20.1
275209 2009 WC_{178}	16.2	X	306.79674	233.06396	212.58773	4.35986	0.1194929	0.17987943	3.1080050	20	11 20.2	19.9
275210 2009 WP_{178}	16.7	X	115.93471	170.82726	213.74376	3.79678	0.0811808	0.21027676	2.8007555	20	1 22.6	20.5
275211 2009 WW_{178}	16.7	X	244.36351	29.76255	340.30655	3.99919	0.1666261	0.24031796	2.5621933	20	5 15.4	20.6
275212 2009 WH_{179}	17.2	X	197.10723	230.26394	31.05901	7.50401	0.1996001	0.29171572	2.2516255	20	—	—
275213 2009 WA_{180}	17.0	X	285.64844	120.88096	176.19585	1.98155	0.0609372	0.22882101	2.6473140	20	4 15.5	20.4
275214 2009 WY_{183}	17.2	X	130.59969	113.51558	320.47653	1.31705	0.1854678	0.22436527	2.6822482	20	4 20.9	21.5
275215 2009 WL_{184}	16.1	X	93.81653	77.19891	69.49408	15.68173	0.0700434	0.23003726	2.6379745	20	5 29.4	19.7
275216 2009 WA_{185}	15.9	X	169.80998	211.50085	240.33388	12.89255	0.0464930	0.23620871	2.5918236	20	6 16.8	19.6
275217 2009 WR_{188}	17.8	X	311.88256	59.53177	343.90318	1.91043	0.0908814	0.26606548	2.3941077	20	10 25.4	20.3
275218 2009 WV_{194}	18.2	X	70.12267	53.63031	352.36600	4.25885	0.0892048	0.29605624	2.2295638	20	—	—
275219 2009 WG_{195}	16.5	X	154.17093	300.17406	181.54939	5.63330	0.1102663	0.23905015	2.5712444	20	7 10.0	20.4
275220 2009 WB_{196}	17.2	X	146.85499	129.24460	346.66998	0.74129	0.0848661	0.23837109	2.5761254	20	6 23.9	20.9
275221 2009 WN_{196}	16.4	X	294.49307	336.89712	110.87117	2.29021	0.1617857	0.17579081	3.1560117	20	10 29.2	20.1
275222 2009 WU_{206}	16.4	X	214.16470	223.19140	293.16774	4.04527	0.0723124	0.17093169	3.2155430	20	10 19.7	21.1
275223 2009 WV_{206}	17.4	X	210.36850	347.56745	263.92897	3.65064	0.1027568	0.29197529	2.2502908	20	—	—
275224 2009 WW_{209}	16.9	X	142.70783	152.45001	70.36132	5.80351	0.1976752	0.26493923	2.4008878	20	11 9.8	20.8
275225 2009 WO_{215}	16.6	X	286.34359	36.48512	85.10735	6.72011	0.0873288	0.27411994	2.3469777	20	—	—
275226 2009 WQ_{215}	16.7	X	177.77025	352.01765	85.50641	12.99619	0.1162897	0.23616017	2.5921788	20	6 8.3	20.7
275227 2009 WL_{217}	16.8	X	82.58869	277.68358	207.14390	4.82985	0.0112763	0.22156651	2.7047884	20	4 5.6	20.4
275228 2009 WK_{218}	16.1	X	334.54171	132.77526	80.09379	26.02655	0.1717166	0.21145834	2.7903124	20	3 1.7	20.0
275229 2009 WT_{224}	16.9	X	223.45860	191.25566	147.86948	3.88427	0.0728405	0.22378058	2.6869183	20	3 25.4	20.7
275230 2009 WL_{236}	17.1	X	259.11056	129.52037	75.03182	9.35469	0.0413997	0.29203502	2.2499840	20	—	—
275231 2009 WO_{244}	16.4	X	24.97289	242.89334	169.98986	3.54619	0.1458157	0.18931093	3.0039008	20	—	—
275232 2009 WZ_{247}	15.9	X	62.07006	353.52278	75.03073	10.61238	0.1078622	0.20197999	2.8769379	20	1 11.4	19.5
275233 2009 WO_{250}	16.6	X	225.67777	223.22205	177.75783	3.59316	0.0487310	0.24109802	2.5566638	20	6 18.0	20.2
275234 2009 WE_{252}	16.8	X	162.01017	353.55996	64.61384	3.69937	0.1718395	0.22759637	2.6568018	20	4 30.9	21.2
275235 2009 WK_{252}	16.4	X	71.68897	16.22961	34.42906	2.37117	0.0581719	0.19966189	2.8991628	20	—	—
275236 2009 WP_{257}	15.7	X	314.42539	184.22759	262.60649	8.00293	0.0611857	0.17798634	3.1300043	20	12 5.0	19.8
275237 2009 WS_{260}	16.9	X	102.08933	217.94130	69.68039	5.93486	0.1380307	0.27172272	2.3607613	20	12 22.2	20.5
275238 2009 WZ_{260}	16.1	X	287.35875	30.40020	316.61965	3.53755	0.2995135	0.24381372	2.5376436	20	5 16.3	19.5
275239 2009 XH	16.9	X	321.90706	278.01196	163.81045	0.95922	0.1726291	0.18041033	3.1019047	20	12 8.8	20.1
275240 2009 XH_{2}	16.4	X	275.10127	339.75958	27.64921	13.64327	0.1780134	0.24203373	2.5500701	20	6 15.6	20.0
275241 2009 XZ_{2}	16.4	X	229.00401	309.09583	115.45021	9.43896	0.0889305	0.24551703	2.5258931	20	7 19.9	20.0
275242 2009 XH_{3}	16.2	X	66.29671	46.82722	83.24210	5.90456	0.0726729	0.21712158	2.7415787	20	4 2.9	19.7
275243 2009 XW_{3}	16.2	X	45.77112	181.37343	295.97074	3.26963	0.0157263	0.21094754	2.7948151	20	2 9.4	20.0
275244 2009 XZ_{4}	17.0	X	90.17089	67.55925	84.23185	10.91617	0.0264827	0.23021863	2.6365888	20	5 25.9	20.5
275245 2009 XW_{6}	15.4	X	78.16808	58.62083	53.60496	3.70953	0.1776086	0.12402600	3.9822413	20	4 15.7	20.8
275246 2009 XD_{7}	15.5	X	258.60452	228.48210	275.02808	11.83820	0.1405959	0.17887226	3.1196609	20	11 17.7	19.8
275247 2009 XJ_{11}	15.9	X	224.87606	220.84930	101.61656	13.54998	0.1436460	0.21357807	2.7718195	20	3 7.8	20.5
275248 2009 XM_{11}	16.6	X	169.16354	247.92080	201.29920	11.31029	0.1703857	0.23550690	2.5969701	20	6 14.8	21.0
275249 2009 XE_{16}	15.9	X	349.88690	329.43897	106.62856	11.96195	0.1057756	0.17950296	3.1123491	20	—	—
275250 2009 XN_{16}	16.7	X	208.94924	288.43780	126.05725	3.28831	0.1030899	0.23175712	2.6249074	20	6 11.5	20.5
275251 2009 XF_{17}	16.2	X	223.66673	67.66848	282.81443	5.81064	0.1418362	0.21971249	2.7199832	20	3 31.9	20.7
275252 2009 XM_{20}	16.2	X	120.85702	321.75549	130.81637	5.54838	0.1224142	0.21804007	2.7338741	20	4 30.8	20.3
275253 2009 XC_{22}	15.5	X	79.27813	5.22941	113.48676	7.50378	0.0176647	0.21354333	2.7721201	20	3 30.1	19.3
275254 2009 XV_{22}	15.5	X	115.04789	195.59779	113.17521	11.83406	0.0544268	0.17636944	3.1491052	20	—	—
275255 2009 XB_{25}	16.8	X	40.18342	221.85999	113.08782	7.49794	0.1739146	0.26135320	2.4227996	20	12 19.3	20.0
275256 2009 YS_{1}	16.5	X	91.39853	257.20007	136.37378	2.74593	0.0838888	0.19634170	2.9317550	20	1 6.3	20.3
275257 2009 YC_{6}	16.3	X	186.73001	285.36659	84.20762	5.41099	0.0880306	0.21366638	2.7710557	20	3 26.2	20.5
275258 2009 YX_{9}	16.1	X	47.37692	89.18630	313.18357	9.14980	0.1108228	0.18586527	3.0409122	20	—	—
275259 2009 YP_{11}	15.4	X	335.51262	19.64062	87.33733	10.79051	0.0377737	0.18278825	3.0749439	20	—	—
275260 2009 YV_{14}	15.6	X	299.23035	57.05480	80.71597	7.11670	0.0830898	0.17955366	3.1117631	20	—	—
275261 2009 YD_{19}	15.4	X	344.69687	325.31563	91.54692	10.40771	0.0704695	0.17435610	3.1733012	20	12 10.4	19.5
275262 2009 YA_{24}	15.3	X	243.52691	99.44994	83.47269	8.57799	0.1007425	0.17712244	3.1401736	20	12 22.9	19.7
275263 2010 AW_{1}	15.5	X	303.91460	40.17346	92.70643	15.56299	0.0854899	0.18075588	3.0979501	20	—	—
275264 Krisztike	15.4	X	198.24193	121.97522	104.78395	10.02601	0.0545503	0.17406640	3.1768210	20	12 28.5	19.9
275265 2010 AY_{4}	15.2	X	42.65058	276.19332	91.61545	15.14810	0.0577445	0.18028958	3.1032896	20	12 26.3	19.6
275266 2010 AR_{11}	15.4	X	80.92635	224.85731	142.04492	10.82665	0.0786512	0.18000194	3.1065947	20	—	—
275267 2010 AR_{17}	16.0	X	14.72692	69.59486	90.04829	6.12510	0.0411626	0.20647570	2.8350241	20	2 25.8	19.7
275268 2010 AM_{18}	16.4	X	329.58930	45.45755	75.61096	2.27839	0.1594287	0.18422927	3.0588883	20	—	—
275269 2010 AR_{27}	16.8	X	128.09832	7.29602	75.28190	3.26810	0.0614001	0.21604397	2.7506876	20	4 18.2	20.7
275270 2010 AW_{35}	15.9	X	262.52373	292.06286	233.46785	4.43249	0.0716025	0.17279689	3.1923617	20	12 28.4	20.2
275271 2010 AJ_{40}	15.3	X	58.64001	258.01817	96.96014	10.69367	0.0732464	0.17506005	3.1647884	20	12 30.8	19.8
275272 2010 AD_{41}	16.1	X	47.72959	278.88595	120.02699	7.06565	0.1037493	0.18459313	3.0548673	20	—	—
275273 2010 AZ_{44}	16.0	X	173.44250	79.88915	301.50660	4.27063	0.0645880	0.21491791	2.7602875	20	3 20.9	20.2
275274 2010 AF_{46}	17.0	X	97.44351	230.82487	121.69151	6.89211	0.1373895	0.28143764	2.3061166	20	—	—
275275 2010 AJ_{58}	15.2	X	278.40723	225.75997	288.43265	9.51564	0.0513389	0.17986258	3.1081991	20	—	—
275276 2010 AN_{65}	15.8	X	316.33500	293.12524	157.14966	7.80262	0.0841365	0.16946134	3.2341162	20	12 9.9	20.0
275277 2010 AT_{89}	17.4	X	348.64657	10.93781	85.43278	3.82954	0.0986287	0.29213516	2.2494698	20	—	—
275278 2010 AV_{93}	13.0	X	284.09264	326.01445	99.40158	10.42373	0.0774906	0.08228550	5.2350461	20	9 16.7	19.9
275279 2010 AM_{107}	12.7	X	267.76037	183.21558	272.62912	23.83170	0.1005154	0.08364370	5.1782208	20	9 12.4	19.9
275280 2010 AF_{117}	15.7	X	359.64713	250.16061	107.71533	14.16481	0.0836852	0.17913509	3.1166086	20	10 27.7	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
275281 Amywalsh	17.2	X	133.58846	58.50262	49.49328	13.40942	0.2264569	0.23409772	2.6073816	20	6 7.7	21.6
275282 2010 BJ_1	15.8	X	241.42390	11.03130	220.42068	3.81176	0.1242780	0.18585174	3.0410598	20	—	—
275283 2010 BX_{70}	14.9	X	175.19717	89.60314	98.21559	14.97464	0.0663762	0.17559683	3.1583355	20	10 25.6	19.9
275284 2010 BX_{130}	15.8	X	10.69208	31.88875	328.12670	6.61804	0.0472096	0.17796616	3.1302409	20	11 1.8	20.1
275285 2010 CF_{49}	15.7	X	247.43866	56.91415	101.39725	6.18345	0.1125659	0.17953277	3.1120046	20	11 28.2	20.0
275286 2010 CZ_{70}	16.1	X	80.81127	160.61359	201.52442	7.43079	0.0985457	0.17990376	3.1077248	20	—	—
275287 2010 CV_{142}	15.8	X	207.71140	171.79403	132.20225	2.45092	0.0770203	0.18994355	2.9972273	20	1 28.3	20.4
275288 2010 CV_{162}	15.1	X	217.90977	254.42850	128.76761	3.15047	0.0830789	0.12942183	3.8707729	20	5 15.4	20.9
275289 2010 CC_{179}	15.4	X	80.28572	299.24308	102.83669	11.72957	0.0617008	0.19152234	2.9807331	20	—	—
275290 2010 EW_6	16.5	X	30.68973	332.06755	86.64693	2.74929	0.1100525	0.19210720	2.9746802	20	—	—
275291 2010 FS_{87}	16.7	X	85.09380	56.24660	204.56062	3.90555	0.1281818	0.23006213	2.6377844	20	10 24.9	20.6
275292 2010 LX_{80}	17.8	X	347.40427	64.12892	287.98671	3.99662	0.2194685	0.29958972	2.2119983	20	11 7.0	19.2
275293 2010 LN_{85}	16.6	X	310.09852	309.06147	40.15529	7.04759	0.2609301	0.28843581	2.2686627	20	7 9.1	18.4
275294 2010 NF_{18}	18.2	X	354.15752	111.86629	217.23060	3.45112	0.1614788	0.29484604	2.2356605	20	10 4.7	19.9
275295 2010 NX_{101}	16.5	X	25.58706	34.19429	39.16568	8.71565	0.2235917	0.22181904	2.7027352	20	—	—
275296 2010 OY_4	16.6	X	116.03110	310.82530	33.54926	10.05151	0.1757064	0.22963251	2.6410733	20	—	—
275297 2010 OQ_{52}	16.6	X	88.07264	334.02544	6.87887	10.61584	0.1428238	0.21937288	2.7227896	20	—	—
275298 2010 ON_{62}	17.0	X	334.72739	259.34137	223.15171	2.42242	0.0426444	0.22300104	2.6931763	20	—	—
275299 2010 OH_{111}	14.8	X	140.71380	183.54376	129.12176	4.56583	0.1516461	0.12408058	3.9810733	20	—	—
275300 2010 OH_{118}	15.4	X	337.17077	281.49308	30.67434	17.88618	0.2967420	0.18420021	3.0592101	20	7 2.7	18.5
275301 2010 OR_{121}	15.5	X	55.17135	270.52260	325.01692	3.77581	0.0412796	0.17560276	3.1582645	20	7 28.7	19.9
275302 2010 PM_{12}	15.9	X	15.15925	233.38329	119.76170	13.00175	0.1479060	0.19987502	2.8971014	20	11 23.4	19.7
275303 2010 PZ_{27}	15.9	X	213.49212	79.23840	31.65582	14.96065	0.2246590	0.17838216	3.1253724	20	8 22.1	21.3
275304 2010 PN_{33}	14.9	X	143.69102	293.97866	228.83806	24.59612	0.2082244	0.17462963	3.1699866	20	8 11.7	20.7
275305 2010 RJ_{103}	17.7	X	233.42596	159.35746	210.76380	1.65994	0.1873405	0.26980619	2.3719277	20	5 3.3	21.2
275306 2010 RF_{166}	16.8	X	73.03465	133.71497	250.20146	5.03603	0.3024648	0.22684736	2.6626468	20	—	—
275307 2010 RR_{166}	17.1	X	144.40558	209.43881	153.00843	4.88798	0.2136057	0.24256630	2.5463362	20	2 7.7	21.1
275308 2010 SS_{18}	17.9	X	288.86704	350.46453	30.79434	5.03241	0.1291654	0.28660367	2.2783208	20	8 13.1	20.2
275309 2010 SU_{28}	17.3	X	260.48338	332.64151	3.02713	1.09114	0.1931884	0.26988855	2.3714451	20	4 14.8	20.7
275310 2010 TR_{36}	17.6	X	67.63539	149.84802	155.71603	8.79229	0.2880351	0.31302925	2.1482234	20	12 29.8	21.2
275311 2010 TA_{130}	17.0	X	91.56026	287.43223	63.48486	5.72202	0.2275276	0.22489425	2.6780406	20	—	—
275312 2010 TE_{142}	15.4	X	237.63905	359.07145	71.39751	12.34468	0.0955505	0.17854214	3.1235052	20	8 4.8	20.1
275313 2010 TY_{162}	15.9	X	216.46358	52.66107	43.19661	6.63766	0.1322812	0.17849960	3.1240014	20	8 9.1	20.8
275314 2010 TE_{168}	17.6	X	334.67020	293.75665	22.59813	1.39580	0.1871427	0.28503542	2.2866700	20	7 25.2	19.0
275315 2010 TE_{174}	16.2	X	74.21822	111.28162	284.01698	11.75255	0.1503795	0.22817355	2.6523196	20	—	—
275316 2010 TB_{176}	16.5	X	134.83699	231.93335	108.13411	13.98162	0.2690062	0.23460174	2.6036458	20	1 9.9	20.5
275317 2010 TA_{179}	17.4	X	274.40015	66.93572	320.04830	1.58110	0.0508985	0.28276008	2.2989207	20	8 7.8	20.1
275318 2010 UM_{11}	15.1	X	93.64164	171.72755	37.22099	12.04674	0.0747825	0.17993949	3.1073134	20	8 23.3	19.8
275319 2010 UZ_{24}	13.3	X	281.92300	193.93980	243.95442	7.07903	0.0399693	0.08291867	5.2083621	20	9 25.7	20.2
275320 2010 UY_{36}	14.7	X	189.36102	123.40665	259.27066	16.50967	0.0600047	0.14640288	3.5653566	20	4 9.5	20.4
275321 2010 UX_{54}	17.5	X	330.50554	275.84031	38.21458	6.59105	0.1942102	0.27902124	2.3194119	20	7 8.9	19.3
275322 2010 UP_{83}	13.7	X	288.47798	92.24266	333.14040	3.11723	0.0667158	0.08573780	5.0935567	20	9 18.5	20.2
275323 2010 UW_{94}	15.9	X	298.63098	214.50853	189.91529	11.07801	0.1081797	0.18922296	3.0048317	20	9 16.3	19.8
275324 2010 UH_{99}	13.1	X	250.70279	191.58389	277.69665	10.61620	0.1414723	0.08232202	5.2334977	20	9 11.1	20.3
275325 2010 VZ_2	16.9	X	38.38162	33.49655	47.08093	12.46733	0.1583859	0.22608363	2.6686398	20	—	—
275326 2010 VY_{31}	16.5	X	331.43751	189.22741	146.84494	3.66253	0.1749957	0.18247059	3.0785117	20	8 4.1	19.8
275327 2010 VR_{36}	16.1	X	198.61753	200.81739	92.93014	12.35404	0.0648174	0.22973255	2.6403066	20	—	—
275328 2010 VS_{39}	17.5	X	127.78131	60.56457	42.58657	2.65154	0.1807051	0.25828449	2.4419522	20	5 24.7	21.1
275329 2010 VG_{63}	17.6	X	175.34948	101.42708	307.13408	3.86849	0.2051162	0.26047169	2.4282629	20	4 28.5	21.7
275330 2010 VT_{67}	15.2	X	83.03618	95.71555	99.77321	7.92335	0.0440660	0.17129034	3.2110529	20	7 13.4	19.6
275331 2010 VK_{129}	17.8	X	40.17462	188.89397	131.71940	2.74313	0.1196137	0.30111259	2.2045339	20	12 2.3	20.4
275332 2010 VV_{172}	13.6	X	338.74123	308.88420	76.64383	5.85272	0.0486048	0.08499701	5.1231094	20	10 9.9	20.2
275333 2010 VT_{192}	13.6	X	63.65533	270.46060	31.41841	8.06359	0.0096639	0.08447224	5.1443049	20	10 11.9	20.4
275334 2010 VE_{200}	16.1	X	126.41524	220.15133	159.69765	14.60546	0.2022036	0.23620222	2.5918711	20	2 9.9	20.0
275335 2010 WB_2	16.3	X	26.95267	261.47505	67.37126	11.27324	0.1556402	0.19323196	2.9631257	20	11 7.5	20.1
275336 2010 WF_{10}	17.2	X	151.86552	331.21177	29.33381	0.90534	0.1502866	0.23808310	2.5782024	20	2 8.0	21.1
275337 2010 WL_{29}	17.1	X	275.74362	286.40002	96.13496	6.50172	0.1527948	0.27849702	2.3223215	20	7 16.4	19.7
275338 2010 WU_{55}	15.8	X	19.96537	0.04401	99.85850	6.12593	0.0301416	0.21324989	2.7746626	20	—	—
275339 2010 WA_{73}	15.2	X	152.64199	253.81473	251.34788	10.63450	0.0242260	0.16948627	3.2337991	20	7 28.8	20.1
275340 2010 XR_4	16.5	X	54.31870	233.47547	184.76916	7.03530	0.1233600	0.22255876	2.6967432	20	—	—
275341 2010 XQ_{11}	16.5	X	263.11527	98.27714	355.29231	4.27580	0.1819177	0.18780420	3.0199460	20	9 19.4	20.5
275342 2010 XV_{34}	12.4	X	264.50726	181.58104	268.98743	23.78100	0.1047985	0.08162549	5.2632280	20	9 2.1	19.7
275343 2010 XF_{52}	15.6	X	286.37891	295.75599	119.17353	17.78421	0.1752376	0.18499455	3.0504465	20	9 7.2	19.7
275344 2010 XO_{52}	16.9	X	142.23754	77.20527	105.38227	2.39168	0.1259961	0.25858246	2.4400759	20	9 19.3	20.5
275345 2010 XX_{55}	16.7	X	24.70759	191.86786	309.66316	4.61570	0.1024665	0.21620879	2.7492895	20	2 12.1	19.7
275346 2010 XJ_{58}	16.4	X	105.93557	265.83341	120.87333	6.64638	0.2533710	0.23345662	2.6121528	20	2 4.5	19.8
275347 2010 XV_{60}	17.2	X	282.71946	115.85850	296.81759	24.12819	0.1547758	0.38484035	1.8718986	20	9 14.9	19.3
275348 2010 XV_{67}	16.1	X	101.96075	290.99067	144.09028	15.59031	0.1239209	0.22028969	2.7152299	20	3 17.8	19.9
275349 2011 AX	17.5	X	249.05230	34.39958	94.60450	0.89181	0.1460960	0.28623893	2.2802559	20	11 11.4	19.9
275350 2011 AY	16.9	X	145.15227	205.88527	298.21166	1.98172	0.1379934	0.25885223	2.4383803	20	8 1.8	20.5
275351 2011 AB_{11}	17.2	X	355.80029	204.10389	315.04620	0.77873	0.1656605	0.21840500	2.7308279	20	1 12.8	19.9
275352 2011 AA_{12}	15.9	X	355.82574	305.79632	106.84689	9.14860	0.0687270	0.19183175	2.9775271	20	12 25.1	19.8
275353 2011 AH_{16}	15.2	X	118.20453	241.56280	333.78055	12.43794	0.0425946	0.16977511	3.2301303	20	9 15.3	20.0
275354 2011 AL_{28}	17.0	X	80.51378	144.07119	315.28565	6.14437	0.2243924	0.23162240	2.6259251	20	3 29.1	20.3
275355 2011 AQ_{28}	18.1	X	266.26917	239.40532	236.00262	1.22039	0.1740632	0.28666787	2.2779807	20	11 15.7	20.3
275356 2011 AY_{29}	17.7	X	220.44847	222.74495	295.01187	2.02492	0.1320542	0.28444266	2.2898457	20	11 12.0	20.6
275357 2011 AN_{30}	17.2	X	70.84440	29.17215	102.41584	3.56393	0.1563533	0.23393647	2.6085796	20	4 21.5	20.3
275358 2011 AP_{30}	16.3	X	192.96024	183.96685	117.82498	5.62573	0.0430960	0.21451231	2.7637658	20	1 5.9	20.2
275359 2011 AJ_{31}	15.3	X	51.04368	213.55692	123.68231	12.01104	0.0889356	0.18414917	3.0597754	20	12 7.1	19.7
275360 2011 AS_{32}	17.4	X	125.58530	10.72991	41.41165	2.85403	0.1389018	0.23239161	2.6201275	20	3 15.5	21.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
275361 2011 AC_{33}	17.3	X	246.65589	299.06586	52.54903	2.99003	0.0057244	0.24611884	2.5217739	20	5 14.1	20.4
275362 2011 AH_{34}	16.1	X	332.43731	60.02823	141.23133	2.99025	0.0568939	0.22101717	2.7092684	20	2 14.4	19.5
275363 2011 AU_{35}	16.5	X	86.57562	155.48470	292.76814	11.75887	0.2515832	0.22922653	2.6441909	20	3 23.3	20.2
275364 2011 AY_{35}	17.1	X	154.02965	323.22941	143.49089	12.28581	0.1315120	0.25100507	2.4889398	20	6 22.8	21.1
275365 2011 AO_{36}	16.2	X	143.28299	234.02130	123.10619	12.47909	0.0618198	0.21783688	2.7355738	20	1 18.4	20.1
275366 2011 AM_{43}	17.8	X	210.19475	189.17576	314.35475	4.53737	0.0927923	0.27670181	2.3323553	20	10 13.1	20.9
275367 2011 AZ_{43}	16.0	X	204.39513	181.40435	103.51629	5.50602	0.0337436	0.21039334	2.7997208	20	—	—
275368 2011 AO_{46}	16.5	X	245.85286	170.42360	311.90292	6.24065	0.1291718	0.17439543	3.1728240	20	10 6.6	21.2
275369 2011 AX_{48}	17.3	X	292.54636	68.16032	292.24809	3.99624	0.1281355	0.26209384	2.4182332	20	7 13.3	19.8
275370 2011 AT_{53}	16.0	X	287.17488	326.57361	144.79811	3.00203	0.2391431	0.18456460	3.0551822	20	11 8.2	19.4
275371 2011 AZ_{54}	14.9	X	313.57546	345.45888	99.99301	3.22826	0.0583842	0.08396887	5.1648436	20	11 12.0	21.5
275372 2011 AC_{57}	15.3	X	185.98432	207.12403	75.28815	10.21598	0.0886626	0.18847161	3.0128124	20	—	—
275373 2011 AB_{60}	17.5	X	43.27525	176.75854	132.72424	3.20305	0.0768453	0.27925291	2.3181289	20	11 10.3	20.2
275374 2011 AL_{60}	16.8	X	95.88989	72.84491	126.66715	3.75957	0.1321071	0.25554828	2.4593523	20	8 22.6	20.2
275375 2011 AM_{61}	16.8	X	169.62962	108.86380	115.30452	8.21490	0.1371208	0.28694471	2.2765153	20	12 12.4	20.1
275376 2011 AC_{63}	17.7	X	175.27851	183.96463	347.82766	1.64070	0.1102641	0.27132148	2.3630882	20	10 9.8	21.0
275377 2011 AN_{64}	16.6	X	251.74677	12.38671	103.83004	2.73522	0.1474051	0.17946138	3.1128298	20	10 8.9	20.9
275378 2011 AC_{65}	17.1	X	54.36893	352.35545	64.42496	0.65969	0.0624308	0.21095825	2.7947204	20	—	—
275379 2011 AQ_{65}	16.9	X	38.12663	107.01879	340.14789	3.81743	0.0301690	0.21054941	2.7983371	20	—	—
275380 2011 AJ_{67}	15.8	X	206.58822	221.53520	274.47024	1.54720	0.0538575	0.17143437	3.2092542	20	9 19.6	20.4
275381 2011 AE_{68}	17.9	X	209.00940	326.35481	155.49482	1.35838	0.1240142	0.26944846	2.3740266	20	9 10.2	21.1
275382 2011 AH_{68}	17.3	X	128.73591	146.70961	308.15170	3.32277	0.1455947	0.23983316	2.5656450	20	5 10.9	21.2
275383 2011 AP_{68}	16.9	X	129.88206	82.09368	309.09150	5.04142	0.0669185	0.22011582	2.7166595	20	2 13.6	20.6
275384 2011 AJ_{74}	15.7	X	234.55542	184.38284	306.13558	12.92443	0.0636971	0.17669680	3.1452145	20	10 8.6	20.5
275385 2011 AV_{74}	15.4	X	227.45004	238.06509	312.29301	16.65455	0.1536339	0.18058020	3.0999591	20	12 6.9	20.3
275386 2011 AP_{76}	16.1	X	151.90443	50.08544	305.20168	9.36139	0.0542064	0.22095611	2.7097676	20	1 24.9	19.8
275387 2011 AD_{77}	16.9	X	120.59637	83.43109	0.57567	14.08474	0.0865225	0.23458655	2.6037581	20	4 8.4	20.6
275388 2011 AS_{77}	15.0	X	259.83423	177.62444	319.37693	13.07765	0.1316242	0.17952004	3.1121517	20	11 9.5	19.5
275389 2011 BL_{3}	17.3	X	19.83262	231.47281	322.31432	2.65852	0.1447199	0.23387740	2.6090188	20	4 14.8	19.8
275390 2011 BG_{4}	17.1	X	89.15032	174.10088	288.01648	2.37053	0.0876568	0.23263799	2.6182772	20	3 25.0	20.4
275391 2011 BU_{13}	16.2	X	168.39475	182.91430	355.01022	5.64096	0.0260719	0.17032728	3.2231455	20	9 28.9	20.7
275392 2011 BG_{14}	16.2	X	248.13286	8.84897	122.56994	4.76666	0.1452329	0.17550304	3.1594607	20	10 23.5	20.7
275393 2011 BD_{15}	15.4	X	255.49388	303.96307	158.54132	16.97165	0.1747717	0.17433174	3.1735968	20	9 22.5	20.0
275394 2011 BP_{18}	16.1	X	190.10523	336.83429	318.49457	3.49178	0.0398498	0.21075420	2.7965240	20	—	—
275395 2011 BB_{27}	16.3	X	17.42764	284.38356	310.64392	13.67659	0.1319374	0.23896700	2.5718409	20	6 12.7	19.2
275396 2011 BO_{27}	15.3	X	191.82516	55.03563	152.28901	18.73630	0.0352193	0.17921033	3.1157363	20	12 4.9	20.2
275397 2011 BY_{27}	17.5	X	255.39702	272.40588	148.59221	1.40935	0.1581831	0.26537962	2.3982309	20	8 9.4	20.3
275398 2011 BW_{35}	16.5	X	180.58890	70.02649	137.13872	10.53788	0.0506084	0.17860362	3.1227883	20	11 20.6	21.3
275399 2011 BR_{39}	17.1	X	171.57595	116.46217	13.45960	1.29220	0.1391247	0.26110811	2.4243155	20	8 10.6	20.6
275400 2011 BV_{39}	17.3	X	80.38365	44.89305	197.43786	4.45613	0.1541809	0.25847527	2.4407505	20	10 2.8	20.7
275401 2011 BN_{40}	16.6	X	308.52743	341.88106	242.27272	3.30477	0.0521109	0.21964306	2.7205563	20	2 11.1	20.2
275402 2011 BR_{40}	16.5	X	116.35139	271.68503	138.63770	29.21027	0.3266560	0.23256526	2.6188231	20	3 30.1	21.1
275403 2011 BW_{40}	16.6	X	297.07487	359.64246	181.41482	3.11641	0.0944341	0.20230082	2.8738954	20	—	—
275404 2011 BG_{43}	15.5	X	295.39983	281.24414	160.02296	9.31731	0.0953248	0.17895862	3.1186572	20	11 1.7	19.6
275405 2011 BH_{46}	17.6	X	273.30891	249.47397	240.28320	2.53509	0.1644258	0.29018563	2.2595335	20	12 24.7	19.4
275406 2011 BR_{48}	16.9	X	131.45313	110.65892	273.07042	4.58552	0.0196743	0.21662120	2.7457990	20	1 30.9	20.8
275407 2011 BK_{51}	15.9	X	340.11218	321.83800	112.42435	6.02393	0.1148886	0.19177254	2.9781399	20	—	—
275408 2011 BP_{53}	15.4	X	99.99115	272.17515	339.10021	1.30722	0.2784825	0.16031873	3.3559324	20	10 30.0	21.0
275409 2011 BT_{54}	16.2	X	232.84163	178.43964	90.11584	5.63903	0.0785345	0.21186041	2.7867811	20	1 9.2	20.4
275410 2011 BE_{56}	16.2	X	217.88090	35.83052	160.28528	9.42800	0.0636545	0.18884484	3.0088414	20	12 17.2	20.6
275411 2011 BQ_{59}	16.7	X	146.82891	349.09722	346.08486	4.17540	0.0787204	0.20968113	2.8060570	20	—	—
275412 2011 BU_{62}	15.7	X	238.39239	157.77690	335.22651	17.90745	0.0925406	0.17046673	3.2213875	20	10 9.7	20.6
275413 2011 CD_{1}	15.2	X	234.83664	160.66024	1.02393	10.74019	0.0719909	0.17887886	3.1195841	20	11 18.6	19.8
275414 2011 CL_{2}	15.7	X	96.73048	292.02823	98.11283	15.19233	0.1113658	0.21521446	2.7577512	20	1 9.6	19.3
275415 2011 CS_{3}	16.6	X	131.07589	274.52996	175.06092	7.67454	0.1204217	0.23839554	2.5759493	20	5 7.2	20.4
275416 2011 CJ_{4}	15.3	X	73.91766	243.19727	114.10847	10.62688	0.0371496	0.19186635	2.9771691	20	—	—
275417 2011 CL_{4}	17.1	X	182.30694	117.43727	21.74944	3.95225	0.1290473	0.26509645	2.3999385	20	9 4.5	20.7
275418 2011 CJ_{5}	15.7	X	295.90802	254.55533	312.97736	16.28188	0.0850566	0.21062484	2.7976690	20	1 6.2	19.7
275419 2011 CM_{6}	17.1	X	214.99775	280.29434	177.45714	4.62680	0.1803021	0.26471817	2.4022243	20	8 8.1	20.9
275420 2011 CH_{9}	16.9	X	138.52258	307.58856	130.28720	5.62131	0.2196923	0.23957213	2.5675083	20	5 8.3	21.1
275421 2011 CJ_{9}	15.4	X	178.84249	248.32192	330.90012	15.17784	0.2081508	0.17411368	3.1762459	20	11 16.6	21.1
275422 2011 CZ_{11}	16.7	X	341.78820	87.50689	305.63245	3.03543	0.1464557	0.18129534	3.0918016	20	11 9.8	20.2
275423 2011 CH_{12}	16.8	X	222.87582	336.73140	200.26539	0.51831	0.0602861	0.18202711	3.0835098	20	11 28.5	21.1
275424 2011 CG_{16}	15.1	X	195.85910	32.48390	143.93449	10.68066	0.0247585	0.17401122	3.1774926	20	11 2.9	19.8
275425 2011 CV_{16}	16.2	X	353.67305	237.15162	330.82069	12.28019	0.2129355	0.22330639	2.6907207	20	3 7.7	18.8
275426 2011 CT_{18}	16.1	X	34.41137	67.32858	61.74534	3.55165	0.0327235	0.21838207	2.7310190	20	2 10.9	19.7
275427 2011 CD_{19}	15.5	X	116.30856	148.48993	339.45626	13.88810	0.1040030	0.23705292	2.5856665	20	6 4.0	19.5
275428 2011 CE_{19}	15.5	X	262.19039	318.92694	167.97556	26.70449	0.1778876	0.17461169	3.1702037	20	11 1.6	20.2
275429 2011 CY_{21}	15.5	X	247.11861	24.35018	91.09401	6.06001	0.0810741	0.17552171	3.1592366	20	10 12.6	20.0
275430 2011 CA_{22}	16.1	X	12.61190	61.89535	358.01491	7.14880	0.0620830	0.19098837	2.9862863	20	—	—
275431 2011 CN_{22}	17.6	X	163.26446	188.41500	259.74105	1.51579	0.0750839	0.24820705	2.5076099	20	6 5.3	21.1
275432 2011 CS_{24}	16.6	X	41.78510	66.96944	132.42704	12.18336	0.1228135	0.23683142	2.5872784	20	6 5.5	19.7
275433 2011 CV_{29}	16.0	X	214.03716	218.09519	285.15417	4.58604	0.0845659	0.16940663	3.2348125	20	10 1.8	20.9
275434 2011 CZ_{29}	16.8	X	293.23450	75.54649	196.40762	4.35045	0.0526427	0.22878305	2.6476068	20	3 23.6	20.2
275435 2011 CN_{34}	17.2	X	143.75099	102.35655	50.66085	4.00931	0.1253740	0.25690969	2.4506562	20	8 13.5	20.9
275436 2011 CJ_{35}	16.2	X	223.01606	254.12973	267.02208	5.04195	0.0942214	0.17603352	3.1531101	20	11 3.1	20.9
275437 2011 CO_{43}	18.0	X	21.96372	168.95836	168.94768	2.73433	0.0607509	0.27816158	2.3241882	20	11 16.5	20.8
275438 2011 CM_{44}	16.1	X	223.91874	273.08097	224.79315	6.40197	0.1291794	0.17178825	3.2048454	20	10 2.3	21.0
275439 2011 CK_{45}	17.8	X	251.39343	171.87235	354.34929	3.75229	0.1603386	0.29117324	2.2544213	20	—	—
275440 2011 CC_{48}	15.3	X	289.87646	338.31372	108.88345	13.76372	0.0511079	0.17986639	3.1081553	20	11 8.8	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
275441 2011 CJ_{57}	16.8	X	138.95106	11.73330	284.58302	0.92249	0.0514155	0.19061038	2.9902329	20	—	—
275442 2011 CG_{58}	17.0	X	241.16219	48.10828	260.60000	0.67428	0.1152710	0.22451864	2.6810265	20	3 2.0	20.9
275443 2011 CL_{58}	17.2	X	321.04621	174.49938	286.18939	0.49366	0.0828955	0.18975682	2.9991933	20	—	—
275444 2011 CZ_{58}	16.2	X	177.40456	50.04500	156.12332	1.48312	0.1456347	0.17249923	3.1960331	20	11 7.9	21.2
275445 2011 CF_{62}	16.6	X	289.30043	311.73461	304.84999	3.75066	0.1121423	0.22098897	2.7094989	20	2 19.7	20.5
275446 2011 CW_{62}	17.3	X	268.07763	144.40630	102.01876	5.24190	0.2574634	0.30577146	2.1820838	20	—	—
275447 2011 CP_{72}	15.7	X	212.67495	62.96960	98.99114	6.86804	0.1241926	0.17547747	3.1597675	20	10 25.1	20.6
275448 2011 CX_{72}	16.9	X	298.17056	257.69242	170.64600	12.22056	0.1206726	0.28003290	2.3138223	20	11 13.3	19.3
275449 2011 CC_{73}	17.0	X	202.69241	72.86492	51.12357	1.92828	0.1354144	0.26632780	2.3925354	20	9 5.4	20.5
275450 2011 CL_{73}	17.2	X	179.35450	91.81992	25.18248	3.87978	0.1216907	0.25916485	2.4364190	20	8 2.8	20.8
275451 2011 CR_{73}	16.6	X	119.17120	348.92035	118.47814	6.73498	0.0796639	0.23489723	2.6014618	20	5 12.5	20.3
275452 2011 CU_{73}	16.9	X	179.51943	346.03569	166.35527	6.38169	0.1751416	0.26452793	2.4033758	20	9 15.4	20.7
275453 2011 CA_{74}	15.5	X	194.63209	242.35870	336.44757	11.82740	0.1189688	0.17790345	3.1309765	20	12 9.4	20.5
275454 2011 CG_{74}	16.4	X	2.34741	46.37514	79.87076	5.43486	0.1249561	0.20628938	2.8367309	20	—	—
275455 2011 CH_{74}	16.9	X	207.40437	113.95688	62.52725	6.42031	0.0977852	0.27773242	2.3265818	20	11 24.8	19.9
275456 2011 CY_{74}	17.4	X	180.90555	151.26301	0.44120	2.14681	0.1265576	0.26598557	2.3945872	20	9 18.4	20.7
275457 2011 CQ_{75}	17.1	X	215.30548	211.01743	279.82365	1.01514	0.1128498	0.26965162	2.3728340	20	9 30.4	20.2
275458 2011 CA_{78}	16.6	X	327.59324	319.16579	148.94455	3.25276	0.0548494	0.19072191	2.9890671	20	—	—
275459 2011 DN_1	17.0	X	70.51828	327.08823	325.92940	5.29837	0.1085200	0.26964213	2.3728897	20	11 22.0	20.3
275460 2011 DC_2	15.2	X	146.38996	314.63395	319.87378	10.61871	0.0494976	0.18552061	3.0446774	20	—	—
275461 2011 DC_3	16.4	X	251.26450	157.17313	343.45017	8.80423	0.0855683	0.17743607	3.1364722	20	11 10.8	20.9
275462 2011 DH_3	14.9	X	53.48390	167.08966	155.42291	25.89532	0.1162637	0.17139578	3.2097359	20	11 26.8	20.0
275463 2011 DQ_3	16.0	X	27.26073	335.51748	153.56004	9.79069	0.1053744	0.21085071	2.7956706	20	1 31.3	19.4
275464 2011 DW_3	16.5	X	27.12047	208.79259	351.25402	5.30123	0.1480069	0.23073507	2.6326531	20	5 8.6	19.3
275465 2011 DH_4	16.7	X	212.74443	289.42061	165.32454	9.52651	0.1880779	0.26157077	2.4214559	20	7 31.6	20.5
275466 2011 DL_4	16.3	X	314.08786	253.04703	333.35702	7.29516	0.2335771	0.21236112	2.7823988	20	1 29.3	20.1
275467 2011 DJ_5	15.6	X	248.42367	356.81012	157.30703	11.23087	0.0800204	0.17787303	3.1313334	20	11 29.8	20.1
275468 2011 DX_8	15.8	X	83.32784	211.34473	143.98103	8.89062	0.0333351	0.18200162	3.0837977	20	—	—
275469 2011 DK_{12}	16.2	X	294.97353	293.05917	187.15451	3.40419	0.1090438	0.18635058	3.0356303	20	12 17.9	19.9
275470 2011 DQ_{12}	16.8	X	110.63498	244.87669	359.94029	7.70698	0.1521380	0.26293710	2.4130601	20	11 4.0	20.7
275471 2011 DC_{18}	15.8	X	231.96782	33.89639	166.26941	8.98246	0.0823658	0.18138483	3.0907846	20	—	—
275472 2011 DT_{18}	16.9	X	353.31107	336.80274	280.66282	3.32961	0.0805618	0.23827207	2.5768390	20	5 30.4	19.9
275473 2011 DZ_{22}	17.5	X	181.82478	33.78687	84.30394	2.22058	0.1388595	0.25342234	2.4730873	20	8 5.0	21.3
275474 2011 DA_{23}	16.2	X	69.57900	328.55219	88.01741	2.98440	0.0474100	0.19884430	2.9071044	20	1 1.0	20.1
275475 2011 DQ_{23}	17.3	X	80.32570	205.05881	155.25667	3.40994	0.0657331	0.29139911	2.2532562	20	—	—
275476 2011 DM_{24}	16.6	X	51.74936	189.30803	335.47267	9.66602	0.3367036	0.22717855	2.6600584	20	6 5.2	19.7
275477 2011 DT_{30}	16.0	X	178.49766	217.06263	32.28331	8.98151	0.0379285	0.18717859	3.0266713	20	—	—
275478 2011 EN_3	16.5	X	120.78121	217.46779	163.09356	1.50866	0.1428792	0.20520015	2.8467605	20	2 2.2	20.4
275479 2011 EQ_{14}	16.2	X	301.26940	300.45999	190.42568	0.87023	0.0995352	0.18681415	3.0306064	20	—	—
275480 2011 ES_{24}	16.5	X	297.00849	101.90157	155.50496	7.17681	0.0864548	0.21462107	2.7628320	20	3 7.2	20.2
275481 2011 EC_{27}	15.2	X	259.84260	354.83802	170.97087	11.81569	0.1102372	0.17862840	3.1224995	20	12 22.2	19.6
275482 2011 EC_{37}	16.5	X	6.87390	94.83269	42.47432	2.62703	0.0101951	0.20335186	2.8639842	20	1 17.9	20.4
275483 2011 EE_{38}	17.0	X	120.79647	149.41887	90.40558	4.34899	0.1871784	0.26233421	2.4167558	20	11 11.8	20.9
275484 4325 $P–L$	15.3	X	70.64334	14.52832	357.49722	16.55399	0.0931081	0.18502762	3.0500831	20	—	—
275485 5074 $T–2$	16.6	X	83.06332	148.71846	267.86118	7.99498	0.2672004	0.21789345	2.7351004	20	2 13.3	20.0
275486 2405 $T–3$	17.2	X	83.21914	17.74908	348.17940	1.85984	0.2904998	0.21269003	2.7795295	20	—	—
275487 2413 $T–3$	16.6	X	97.73200	95.21191	226.17295	6.50549	0.1308007	0.28063471	2.3105132	20	—	—
275488 3212 $T–3$	15.7	X	163.56502	124.31822	200.89080	9.88449	0.1123437	0.19241508	2.9715063	20	1 9.1	20.5
275489 4518 $T–3$	16.7	X	297.29606	23.35452	44.17762	10.48927	0.1562908	0.27570960	2.3379477	20	11 3.0	18.6
275490 5088 $T–3$	15.7	X	204.13206	288.63553	66.73263	11.74419	0.1228195	0.22017348	2.7161852	20	3 28.9	20.1
275491 1960 SR	17.0	X	280.75442	134.70202	212.89485	5.29233	0.1785579	0.22722476	2.6596977	20	5 28.9	20.6
275492 1991 TW_{16}	17.3	X	157.43590	257.78585	141.25800	2.78996	0.2256266	0.25659465	2.4526617	20	4 5.2	21.3
275493 1992 SY_{11}	16.1	X	98.69773	134.12678	181.56357	6.81956	0.1060360	0.18355851	3.0663357	20	—	—
275494 1993 PA	16.6	X	230.72423	136.01053	178.04712	6.18477	0.1761458	0.28141933	2.3062166	20	2 18.2	20.3
275495 1994 AD_{15}	17.3	X	201.72387	99.91381	331.10683	1.69894	0.1463192	0.24141528	2.5544234	20	6 23.0	21.2
275496 1994 GH_7	16.6	X	18.54981	248.03503	23.81048	9.02229	0.1244207	0.23404422	2.6077789	20	8 12.7	19.6
275497 1994 UA_{11}	17.8	X	115.48955	21.52300	346.28375	2.96052	0.1477505	0.31844980	2.1237761	20	—	—
275498 1994 XV_2	16.4	X	93.82589	295.78057	138.47859	3.33191	0.0318522	0.20482781	2.8502094	20	2 20.8	20.4
275499 1995 KG_4	17.5	X	240.74482	70.17586	54.29314	21.47674	0.0983630	0.37047489	1.9199807	20	11 21.2	18.8
275500 1995 OA_9	16.4	X	170.05677	69.05657	284.61169	10.64301	0.2171707	0.22018754	2.7160696	20	2 17.9	21.2
275501 1995 RH_1	16.2	X	20.23019	76.03946	211.41440	8.77285	0.1991001	0.23715571	2.5849193	20	9 12.0	19.0
275502 1995 SG_8	16.6	X	140.02274	70.55345	351.52262	8.53489	0.2023832	0.22063839	2.7123683	20	4 14.5	21.0
275503 1995 SR_{31}	16.4	X	214.22211	32.28299	299.07318	11.92530	0.1817760	0.22269260	2.6956626	20	2 26.3	21.0
275504 1995 SE_{35}	17.8	X	197.92256	261.26071	18.33984	5.10059	0.1951704	0.29343824	2.2428053	20	—	—
275505 1995 SF_{73}	17.5	X	90.72925	221.93290	193.80240	5.64605	0.0626233	0.21373555	2.7704578	20	1 25.7	21.2
275506 1995 SL_{81}	16.7	X	303.40416	146.57146	180.29032	3.87078	0.2173712	0.23155548	2.6264311	20	5 27.2	19.8
275507 1995 UJ_{18}	17.6	X	281.01058	241.06743	236.59121	1.89950	0.0810428	0.28206239	2.3027101	20	12 25.5	20.0
275508 1995 UR_{81}	17.2	X	331.19704	10.57884	348.98267	3.71905	0.2346036	0.27599496	2.3363359	20	9 30.1	18.2
275509 1995 VN_2	16.0	X	216.48979	339.55250	31.08601	5.97505	0.0420955	0.22279901	2.6948042	20	4 27.2	19.8
275510 1995 WB_{33}	16.3	X	211.85864	185.81269	184.35275	5.91504	0.0441641	0.22154608	2.7049548	20	4 22.4	20.0
275511 1995 WL_{38}	17.6	X	14.09085	106.57691	277.44960	1.68519	0.2296854	0.28126156	2.3070790	20	—	—
275512 1995 YX_5	16.3	X	302.69288	206.30311	72.13092	12.87072	0.0923527	0.21992976	2.7181915	20	4 15.4	20.0
275513 1996 AD_5	17.3	X	98.76743	315.13219	31.97383	2.77179	0.2301213	0.28138975	2.3063782	20	—	—
275514 1996 LU	16.4	X	154.70285	130.59141	101.41965	15.55989	0.1141866	0.26267435	2.4146690	20	12 5.3	20.2
275515 1996 TM	17.7	X	114.16611	15.56822	14.11553	8.71582	0.0661182	0.30751023	2.1738505	20	1 9.8	20.3
275516 1996 VB_{10}	16.2	X	243.54751	336.37623	73.83031	16.42868	0.1072080	0.23709038	2.5853941	20	7 16.5	20.0
275517 1996 XM_3	16.4	X	277.12190	355.05767	22.73782	8.88511	0.1117539	0.23806396	2.5783406	20	7 17.8	19.8
275518 1997 EY_6	16.9	X	84.39672	183.24420	216.59507	6.58743	0.1207247	0.29443414	2.2377450	20	—	—
275519 1997 JK_7	16.8	X	126.17273	212.29151	216.39344	11.64188	0.0332636	0.25391239	2.4699043	20	3 17.5	20.2
275520 1997 MV_1	18.1	X	143.80553	113.70491	195.44477	6.49283	0.3247103	0.27607492	2.3358848	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
275521 1997 SU_{28}	17.6	X	49.80321	108.93405	173.75945	2.31120	0.1979678	0.26064950	2.4271584	20	10 27.4	20.9
275522 1997 SB_{32}	15.7	X	328.70397	33.47789	15.56297	10.38745	0.2014575	0.17301242	3.1897100	20	11 2.7	19.1
275523 1997 TQ_{8}	17.4	X	120.23596	73.80876	205.11653	1.97136	0.1919486	0.26769573	2.3843779	20	12 28.2	21.2
275524 1997 TS_{12}	16.9	X	215.67349	91.40182	328.88630	1.28249	0.1601798	0.24642962	2.5196533	20	6 22.3	20.7
275525 1997 UP_{5}	16.1	X	79.78713	354.78472	35.84751	3.96118	0.1382390	0.18424558	3.0587079	20	—	—
275526 1997 WL_{3}	15.2	X	349.97744	335.70518	44.40543	18.32168	0.1019711	0.17160155	3.2071694	20	11 3.6	19.2
275527 1997 WT_{28}	16.0	X	330.95455	1.68150	73.37674	10.31331	0.2318150	0.17399797	3.1776539	20	12 15.7	19.2
275528 1998 CM	15.1	X	276.40343	34.59389	343.62943	6.47339	0.2860362	0.24425728	2.5345705	20	6 17.1	18.7
275529 1998 DS_{16}	16.7	X	125.80638	210.36607	275.57908	4.97032	0.2027175	0.23532366	2.5983181	20	6 23.3	20.7
275530 1998 FT	17.6	X	123.29855	266.64292	41.34979	3.90428	0.1304101	0.29522923	2.2337256	20	—	—
275531 1998 HW_{11}	16.3	X	84.01511	79.07040	89.34137	13.73837	0.1111746	0.22768893	2.6560817	20	6 21.1	19.6
275532 1998 KN_{5}	16.1	X	97.89483	13.87244	125.53988	14.66805	0.1862151	0.22576431	2.6711556	20	6 12.2	20.2
275533 1998 MR_{17}	15.7	X	343.74293	348.95732	281.40208	15.65944	0.4775956	0.22134266	2.7066118	20	3 23.3	18.1
275534 1998 QJ_{3}	16.0	X	43.21356	169.02349	154.09645	15.15218	0.2910618	0.23103647	2.6303630	20	12 17.3	20.2
275535 1998 QW_{94}	16.9	X	104.35790	136.38414	236.54563	6.54073	0.2500088	0.28762240	2.2729380	20	1 3.5	19.2
275536 1998 RV_{3}	17.4	X	346.67733	173.26680	179.42113	10.81798	0.2629589	0.27083815	2.3658988	20	11 7.4	19.2
275537 1998 RQ_{15}	16.3	X	39.97656	294.64359	167.38164	2.17202	0.0349777	0.19973575	2.8984480	20	1 16.6	20.1
275538 1998 RA_{63}	15.9	X	234.08856	217.00047	145.63355	7.38074	0.2227217	0.21202601	2.7853298	20	4 26.2	20.6
275539 1998 SP_{18}	17.3	X	358.85405	267.85579	171.99131	7.11337	0.0813463	0.28049096	2.3113026	20	—	—
275540 1998 SR_{30}	16.5	X	95.24136	242.99207	163.31506	2.18693	0.0696754	0.19788763	2.9164662	20	1 24.5	20.3
275541 1998 SU_{44}	17.3	X	61.34174	63.72930	237.14411	2.58492	0.1547877	0.27265200	2.3553941	20	11 29.3	20.4
275542 1998 SX_{79}	16.9	X	0.47625	204.41368	188.22159	6.27987	0.1242486	0.27611059	2.3356836	20	—	—
275543 1998 SJ_{86}	16.8	X	273.59800	8.61123	4.05734	5.30166	0.2168075	0.26249988	2.4157388	20	6 16.7	20.0
275544 1998 SF_{168}	17.0	X	344.95971	201.04403	137.27750	6.13583	0.2419465	0.27007244	2.3703685	20	10 5.3	18.4
275545 1998 UN_{1}	18.1	X	269.97311	87.69426	217.87560	32.42578	0.2208752	0.52935000	1.5134710	20	2 6.7	21.0
275546 1998 UP_{2}	16.6	X	152.49881	331.76559	25.06997	10.97930	0.0607757	0.24326724	2.5414425	20	1 28.9	20.3
275547 1998 VE_{43}	17.3	X	332.45002	287.25292	50.82630	5.35138	0.2586804	0.26566603	2.3965070	20	8 24.8	18.5
275548 1998 YA_{16}	15.8	X	160.48109	260.19874	128.94611	4.22546	0.2926940	0.24396633	2.5365852	20	3 31.2	20.4
275549 1999 AS_{26}	15.5	X	63.02306	273.57302	118.02026	11.87033	0.1643524	0.18375892	3.0641058	20	—	—
275550 1999 CV_{12}	16.5	X	109.36505	350.87482	161.59714	15.41008	0.0825356	0.24584420	2.5236516	20	6 28.5	20.3
275551 1999 ED_{10}	15.3	X	180.25019	131.72754	170.25403	21.09533	0.1446461	0.17798441	3.1300269	20	1 2.8	20.7
275552 1999 FH_{65}	15.8	X	186.40522	131.96892	184.85616	16.83348	0.2193100	0.18037673	3.1022899	20	1 24.3	21.4
275553 1999 FN_{97}	15.8	X	283.72410	31.52764	167.10970	14.98632	0.3124426	0.17550974	3.1593803	20	—	—
275554 1999 NU_{38}	16.4	X	25.64866	218.54268	93.14409	5.25859	0.3213743	0.24039683	2.5616329	20	11 19.0	19.5
275555 1999 NC_{54}	15.8	X	31.66853	55.55593	242.41040	8.43032	0.2584655	0.23975228	2.5662220	20	10 27.3	19.1
275556 1999 RT_{29}	15.6	X	20.39204	126.65265	183.90648	16.61025	0.2283085	0.23792280	2.5793603	20	10 26.1	18.6
275557 1999 RE_{30}	16.0	X	264.20580	190.71295	183.72355	17.73560	0.2256915	0.22728230	2.6592488	20	6 7.2	20.3
275558 1999 RH_{33}	19.0	X	94.83938	351.49609	168.33517	11.01581	0.1708225	0.51010202	1.5513079	20	7 14.1	20.2
275559 1999 RF_{57}	16.5	X	314.76490	325.01688	340.37379	4.40807	0.2833633	0.22978830	2.6398795	20	5 1.1	19.3
275560 1999 RL_{66}	16.3	X	325.54593	147.24896	155.05964	13.99788	0.2446453	0.23024569	2.6363823	20	5 30.6	19.2
275561 1999 RD_{139}	16.9	X	273.91109	31.24815	270.42920	2.16282	0.1666065	0.31837954	2.1240885	20	3 13.8	19.6
275562 1999 RP_{179}	16.3	X	319.19590	177.92228	152.51595	15.02032	0.2602403	0.23112692	2.6296767	20	6 24.6	19.1
275563 1999 RT_{185}	17.1	X	236.24071	185.20004	173.22113	5.17030	0.1593969	0.27019819	2.3696330	20	4 24.3	20.6
275564 1999 RA_{238}	15.9	X	228.65055	251.73177	144.98205	13.44725	0.2697501	0.22299407	2.6932325	20	5 30.2	20.8
275565 1999 SZ_{9}	16.3	X	320.53493	150.01445	196.33212	11.43990	0.2041498	0.23333898	2.6130307	20	7 27.8	19.1
275566 1999 TL_{7}	16.1	X	335.04534	293.78826	32.36049	6.04977	0.3234860	0.23168096	2.6254827	20	7 25.9	17.5
275567 1999 TB_{25}	16.0	X	245.42979	194.38506	187.17156	13.97323	0.2596815	0.22471351	2.6794764	20	5 25.3	20.5
275568 1999 TR_{38}	17.9	X	205.20321	142.44370	188.33119	4.48809	0.2569020	0.31036174	2.1605149	20	2 14.5	21.6
275569 1999 TO_{44}	16.6	X	39.79990	165.33607	349.29653	4.54300	0.0980407	0.21263146	2.7800399	20	3 25.7	19.8
275570 1999 TT_{59}	16.7	X	7.20667	51.11496	223.20822	2.25466	0.1578356	0.23041388	2.6350992	20	7 23.4	19.2
275571 1999 TW_{61}	16.2	X	275.44892	320.32305	26.21651	1.37866	0.2305172	0.17574547	3.1565544	20	5 13.5	20.7
275572 1999 TN_{72}	16.0	X	131.54355	202.26906	54.15327	14.65052	0.1404659	0.23799182	2.5788616	20	12 4.2	20.2
275573 1999 TT_{75}	16.0	X	62.13897	54.59129	28.01981	6.51043	0.0375615	0.20527732	2.8460470	20	1 23.3	19.8
275574 1999 TN_{84}	15.8	X	111.96267	248.33755	210.66433	8.60732	0.1317365	0.21387282	2.7692723	20	4 28.2	19.8
275575 1999 TK_{97}	16.1	X	339.95551	247.19034	93.13556	6.59539	0.3112138	0.23365288	2.6106899	20	9 16.2	17.5
275576 1999 TT_{162}	16.3	X	240.19852	110.91885	202.64417	11.84063	0.1341989	0.21657718	2.7461710	20	3 3.7	20.7
275577 1999 TD_{169}	17.0	X	343.18483	339.23190	327.53182	2.79284	0.2349244	0.23020372	2.6367027	20	7 21.4	18.7
275578 1999 TL_{201}	16.3	X	259.88602	159.36446	190.75616	14.64068	0.2028267	0.22479190	2.6788534	20	5 5.8	20.4
275579 1999 TQ_{211}	15.2	X	86.82815	31.29195	318.99746	18.97301	0.1799506	0.19896414	2.9059369	20	—	—
275580 1999 TS_{224}	18.0	X	224.31876	100.71187	220.59469	2.83155	0.2215288	0.31099994	2.1575582	20	2 17.8	21.6
275581 1999 TF_{262}	16.9	X	292.80635	299.98161	5.13289	5.25138	0.1783709	0.22178356	2.7030235	20	4 16.5	20.5
275582 1999 TH_{284}	15.9	X	238.94566	299.03261	59.31049	10.23212	0.2416828	0.22015738	2.7163177	20	4 23.4	20.4
275583 1999 TK_{313}	18.0	X	76.88406	161.08575	185.76988	4.72542	0.2208109	0.29431997	2.2383237	20	—	—
275584 1999 TO_{317}	17.2	X	12.19475	94.09566	193.10465	11.35259	0.2645826	0.23408969	2.6074412	20	9 6.2	19.7
275585 1999 UM_{29}	16.2	X	238.00789	349.02678	61.66314	4.12515	0.1325685	0.17707177	3.1407727	20	7 4.1	20.9
275586 1999 UQ_{37}	17.5	X	183.80595	255.46512	161.41603	2.23899	0.1991582	0.26693586	2.3889007	20	5 18.5	21.4
275587 1999 UW_{37}	16.4	X	266.73751	81.23827	217.62097	11.75029	0.0950879	0.21387906	2.7692184	20	3 17.7	20.6
275588 1999 VR_{3}	18.5	X	226.24472	211.45835	101.88181	2.08145	0.2161927	0.30819684	2.1706206	20	2 11.6	21.8
275589 1999 VE_{20}	18.5	X	283.55583	344.97476	89.98213	2.11444	0.2361352	0.37554130	1.9026734	20	11 16.2	18.4
275590 1999 VC_{64}	15.7	X	261.59549	123.65561	221.15798	8.12640	0.2170338	0.22128239	2.7071032	20	4 27.1	19.8
275591 1999 VJ_{75}	16.5	X	129.54853	189.66567	213.76193	3.89310	0.2033136	0.20976820	2.8052804	20	3 15.4	20.8
275592 1999 VC_{83}	15.6	X	286.04896	332.80471	22.02220	10.89247	0.0613014	0.17686750	3.1431904	20	7 2.2	20.1
275593 1999 VN_{99}	17.4	X	158.75934	10.44027	61.13146	4.09185	0.1650169	0.26309096	2.4121192	20	5 13.4	21.0
275594 1999 VU_{102}	16.3	X	66.66704	225.81688	227.60186	7.29643	0.1895459	0.20520059	2.8467565	20	2 26.1	19.8
275595 1999 VE_{117}	17.7	X	97.45326	172.00961	213.25511	4.96806	0.1505777	0.29821748	2.2187787	20	—	—
275596 1999 VN_{129}	15.6	X	207.84101	206.45025	223.41597	16.80097	0.1443578	0.17407275	3.1767438	20	6 24.1	20.9
275597 1999 VQ_{133}	16.4	X	280.51678	85.20282	217.72966	12.12627	0.1476231	0.21869138	2.7284434	20	4 1.9	20.2
275598 1999 VH_{137}	17.0	X	208.62698	81.36295	238.69125	5.82365	0.1221970	0.30502792	2.1856284	20	2 1.9	20.2
275599 1999 VC_{148}	16.5	X	191.52275	310.93759	78.64857	3.98536	0.2184092	0.21612355	2.7500124	20	4 22.8	21.2
275600 1999 VC_{163}	16.7	X	329.19157	71.09755	33.61643	5.24566	0.2503100	0.28889108	2.2662786	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
275601 1999 VA_{174}	15.4	X	310.05187	110.72724	244.71849	12.42181	0.2354138	0.22944030	2.6425482	20	7 13.9	18.2
275602 1999 VJ_{206}	17.4	X	17.93280	342.63956	45.69407	3.98621	0.1981516	0.19260887	2.9695127	20	—	—
275603 1999 VW_{211}	16.4	X	188.49227	312.43490	51.95748	6.06088	0.1720042	0.21322298	2.7748960	20	3 22.5	21.0
275604 1999 WO_{10}	16.3	X	214.16036	335.15311	43.84757	9.51605	0.1416117	0.21952605	2.7215230	20	4 30.4	20.7
275605 1999 XH_{16}	17.7	X	54.18382	41.68271	69.56329	10.94513	0.0900831	0.34895811	1.9981152	20	1 26.1	19.3
275606 1999 XU_{51}	16.0	X	234.32153	293.75962	67.74769	13.92924	0.1928082	0.21773231	2.7364497	20	4 28.4	20.5
275607 1999 XG_{79}	15.8	X	251.15306	262.62118	74.81421	9.83893	0.0982989	0.21473383	2.7618647	20	4 24.0	19.9
275608 1999 XJ_{146}	17.9	X	290.68212	308.33291	213.26731	1.08036	0.1252306	0.29058818	2.2574463	20	—	—
275609 1999 XQ_{147}	15.9	X	158.52435	27.45420	63.10248	14.33501	0.0614400	0.16875923	3.2430803	20	6 1.5	20.7
275610 1999 XR_{224}	17.4	X	41.84048	50.50782	290.13904	4.76292	0.1916960	0.28076601	2.3097928	20	—	—
275611 1999 XX_{262}	18.0	X	295.65761	102.76132	334.65808	8.23005	0.1818546	0.51936398	1.5328094	20	—	—
275612 1999 YA_{18}	15.4	X	297.98060	239.68372	323.54098	12.05709	0.2003496	0.24451710	2.5327747	20	—	—
275613 2000 AZ_{36}	17.3	X	351.53465	10.95256	53.22204	3.92652	0.1504642	0.28465249	2.2887203	20	—	—
275614 2000 AS_{93}	16.8	X	222.13624	44.27662	119.25865	23.70002	0.2532511	0.27451509	2.3447249	20	11 13.9	20.7
275615 2000 AP_{136}	17.3	X	264.32304	8.27548	100.82400	7.30447	0.2523152	0.27636612	2.3342436	20	10 21.2	19.7
275616 2000 AH_{216}	16.1	X	215.13951	251.78280	73.01352	7.77763	0.0421956	0.20854405	2.8162476	20	3 3.8	20.3
275617 2000 AB_{226}	16.9	X	118.47733	100.26194	296.19563	4.78947	0.0807410	0.20116612	2.8846923	20	2 10.6	21.1
275618 2000 AU_{242}	13.9	X	319.73533	335.97194	207.97739	9.46709	0.4886330	0.09345703	4.8090733	20	—	—
275619 2000 BS_{40}	16.7	X	298.40287	297.62633	133.31549	4.81641	0.1650948	0.18000152	3.1065994	20	10 15.6	20.4
275620 2000 CP_{79}	16.2	X	342.09056	93.36466	324.36108	10.90827	0.0846953	0.18135498	3.0911237	20	12 9.1	20.3
275621 2000 CK_{106}	16.5	X	160.68355	118.90800	123.47709	3.82655	0.1203519	0.18082112	3.0972050	20	12 6.6	21.5
275622 2000 CM_{130}	17.8	X	348.69508	121.14898	145.01201	2.80921	0.1498117	0.30436674	2.1887925	20	6 2.5	19.2
275623 2000 CW_{130}	16.3	X	132.31271	136.50194	123.47453	23.43208	0.1561741	0.27689922	2.3312466	20	12 20.6	20.2
275624 2000 DR_{1}	17.7	X	186.68665	342.62158	172.70189	0.99963	0.1346597	0.26942293	2.3741765	20	9 29.1	21.0
275625 2000 DA_{13}	16.2	X	32.50047	178.66581	177.81723	26.33089	0.2102237	0.27126054	2.3634421	20	—	—
275626 2000 DC_{17}	16.3	X	242.00687	91.39379	165.41629	22.56698	0.2666265	0.28484182	2.2877060	20	—	—
275627 2000 DG_{90}	18.1	X	186.84527	38.06304	183.43836	0.91071	0.1397125	0.27672918	2.3322016	20	12 24.0	21.4
275628 2000 DZ_{100}	15.7	X	297.86503	1.26569	133.74281	10.58335	0.1820218	0.18412185	3.0600780	20	—	—
275629 2000 DF_{101}	17.3	X	183.39210	127.10295	57.90162	3.32530	0.2753551	0.27017867	2.3697472	20	10 24.9	21.3
275630 2000 EW_{10}	17.5	X	204.85635	163.88546	356.85913	4.15453	0.1632027	0.27160807	2.3614256	20	10 21.7	20.9
275631 2000 EH_{18}	15.5	X	257.96908	109.31556	92.18211	10.61277	0.1023164	0.18554343	3.0444277	20	—	—
275632 2000 EG_{20}	16.9	X	10.01857	86.69186	163.06885	24.13999	0.1199297	0.35260824	1.9843019	20	6 26.9	19.1
275633 2000 EZ_{72}	17.3	X	155.51789	349.80244	156.36736	5.87654	0.1349077	0.26362611	2.4088538	20	8 14.9	21.0
275634 2000 EC_{126}	17.4	X	227.17563	141.37583	24.44931	5.77350	0.1684615	0.27408083	2.3472010	20	11 23.3	20.4
275635 2000 ET_{152}	17.0	X	211.15244	70.77934	111.28081	3.26521	0.1445035	0.27368255	2.3494776	20	11 30.0	20.0
275636 2000 EJ_{203}	16.1	X	96.07876	177.02608	207.71967	11.49781	0.0665662	0.18946021	3.0023227	20	—	—
275637 2000 EF_{208}	15.9	X	221.85759	348.92246	186.07590	10.07489	0.1878326	0.17645965	3.1480318	20	11 10.9	20.8
275638 2000 FZ_{8}	17.1	X	209.29006	352.32850	205.92785	5.30084	0.1536883	0.27255059	2.3559784	20	12 16.9	20.4
275639 2000 FC_{45}	15.7	X	238.49554	215.20972	29.77748	5.71297	0.1742884	0.18394273	3.0620643	20	—	—
275640 2000 GV_{19}	17.0	X	158.44210	214.79478	8.31901	7.04349	0.0649074	0.26960963	2.3730804	20	11 27.9	20.3
275641 2000 GE_{46}	17.3	X	198.63284	167.50185	44.10207	2.05016	0.1366387	0.27263881	2.3554701	20	12 23.9	20.5
275642 2000 GW_{48}	15.4	X	330.88656	297.41538	206.66624	10.27299	0.0075185	0.18356957	3.0662125	20	—	—
275643 2000 GS_{52}	17.8	X	166.09016	51.38260	198.73344	3.14622	0.2858345	0.27063581	2.3670778	20	12 27.1	21.8
275644 2000 GF_{56}	16.1	X	266.85968	18.18911	191.27744	8.93015	0.1304681	0.18320468	3.0702825	20	—	—
275645 2000 GO_{85}	16.2	X	283.26673	81.66797	71.54120	16.01181	0.3471746	0.18221056	3.0814398	20	12 6.4	19.7
275646 2000 GX_{94}	16.0	X	300.47680	88.16887	105.85498	8.35144	0.1415786	0.23620307	2.5918649	20	—	—
275647 2000 GR_{105}	15.3	X	264.75065	83.38789	109.16873	16.83275	0.2830325	0.18180041	3.0860727	20	—	—
275648 2000 GK_{130}	17.7	X	120.74377	116.08133	184.17871	2.08976	0.1989353	0.27228015	2.3575381	20	—	—
275649 2000 GJ_{131}	17.9	X	147.27954	54.14518	207.79945	1.53671	0.1850967	0.26995195	2.3710738	20	12 31.0	21.6
275650 2000 GB_{165}	17.2	X	148.50031	131.91137	30.67625	2.83961	0.1297453	0.26144823	2.4222125	20	8 30.9	20.8
275651 2000 GS_{169}	17.3	X	154.83633	256.87861	338.10235	3.89083	0.1627093	0.26953569	2.3735144	20	12 5.3	21.1
275652 2000 HN_{19}	16.0	X	122.86114	110.90395	208.82422	20.64952	0.2306527	0.17231519	3.1983085	20	—	—
275653 2000 HF_{39}	17.8	X	169.63783	189.20176	56.08340	2.88981	0.1912319	0.27158052	2.3615853	20	12 30.8	21.4
275654 2000 HM_{62}	15.7	X	236.74081	357.70781	222.00824	11.23181	0.1974156	0.17853337	3.1236075	20	—	—
275655 2000 KG_{2}	16.5	X	260.39783	72.54451	133.68400	22.48336	0.2250411	0.27960170	2.3162006	20	—	—
275656 2000 KZ_{4}	15.5	X	209.33026	34.42978	230.63742	24.99570	0.3086713	0.17675571	3.1445156	20	—	—
275657 2000 KS_{11}	17.6	X	116.14574	211.79592	51.34814	2.95234	0.1761389	0.26504829	2.4002292	20	12 4.9	21.5
275658 2000 KC_{12}	16.9	X	117.05353	240.07227	58.40915	5.91918	0.2125221	0.26805496	2.3822471	20	—	—
275659 2000 KC_{25}	15.7	X	174.03388	256.43144	63.98537	15.84671	0.2348070	0.17843461	3.1247599	20	1 25.1	21.3
275660 2000 KO_{79}	17.1	X	97.88065	142.17298	135.11177	7.57797	0.2461981	0.26200249	2.4187953	20	12 10.0	21.3
275661 2000 LR_{2}	15.7	X	207.13451	28.14135	216.40020	9.95397	0.1743111	0.17596468	3.1539323	20	—	—
275662 2000 LE_{22}	15.3	X	242.41581	130.24581	87.72787	16.51357	0.1649337	0.17857423	3.1231309	20	—	—
275663 2000 LO_{23}	14.7	X	223.52553	107.37407	115.87613	22.65819	0.3402393	0.17597645	3.1537917	20	12 22.7	20.1
275664 2000 LY_{37}	16.6	X	16.15065	21.28258	86.43680	12.81620	0.1456693	0.23187754	2.6239986	20	—	—
275665 2000 NA_{14}	16.8	X	325.53712	17.56476	282.11353	3.09241	0.2777722	0.24247942	2.5469444	20	5 15.7	19.0
275666 2000 OJ_{36}	16.2	X	267.05273	92.28267	239.78810	6.12654	0.2185945	0.23720897	2.5845323	20	4 14.4	20.1
275667 2000 PO_{2}	16.3	X	219.76759	60.68840	293.25603	10.59107	0.2246303	0.23401284	2.6080120	20	3 25.5	21.0
275668 2000 QV_{36}	16.8	X	150.89190	52.70967	316.43663	10.95705	0.2979430	0.22383219	2.6865052	20	2 27.0	21.6
275669 2000 QO_{68}	16.8	X	85.71125	155.40853	168.19869	11.70675	0.2739981	0.25959087	2.4337527	20	—	—
275670 2000 QE_{70}	16.7	X	359.15473	107.14268	179.90008	11.42369	0.3058481	0.24547981	2.5261484	20	8 9.3	18.2
275671 2000 QF_{88}	16.5	X	187.33557	181.96278	177.05356	9.66443	0.3408303	0.22739313	2.6583846	20	3 13.7	21.4
275672 2000 QQ_{136}	17.3	X	327.66156	351.83585	318.15630	2.43283	0.3147436	0.24396029	2.5366271	20	5 31.2	19.0
275673 2000 QO_{157}	16.7	X	156.14061	128.24386	240.61216	4.84367	0.3133623	0.22387786	2.6861398	20	3 2.5	21.5
275674 2000 QH_{168}	16.3	X	256.75296	16.52413	311.07752	7.31246	0.1991128	0.23387802	2.6090142	20	3 29.5	20.5
275675 2000 QF_{211}	17.6	X	317.76151	207.39207	167.82019	6.44484	0.1889755	0.29654069	2.2271349	20	9 29.9	18.7
275676 2000 QY_{241}	17.4	X	293.70207	63.77107	150.73338	6.39896	0.1057094	0.27641789	2.3339522	20	—	—
275677 2000 RS_{11}	19.0	X	137.46894	301.66811	172.18110	17.09628	0.3206144	0.68039940	1.2802460	20	7 4.6	20.6
275678 2000 RY_{13}	15.9	X	155.44653	146.75388	231.09925	7.67195	0.2027688	0.22469825	2.6795976	20	3 5.0	20.4
275679 2000 RP_{64}	16.6	X	202.66008	62.69287	288.53180	9.99007	0.2445051	0.22887709	2.6468815	20	3 9.8	21.5
275680 2000 SV_{27}	16.8	X	125.80098	77.09180	308.11437	7.90690	0.2236141	0.21977707	2.7194503	20	2 19.6	21.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
275681 2000 SQ_{33}	12.5	X	292.97559	286.71066	356.10270	25.01601	0.1429904	0.08304905	5.2029097	20	3 29.9	19.4
275682 2000 ST_{49}	13.1	X	256.04100	146.40289	191.64231	27.74247	0.1404878	0.08389777	5.1677614	20	4 28.3	20.3
275683 2000 SV_{54}	17.3	X	346.72376	135.42905	184.36046	7.46291	0.2228002	0.29492487	2.2352621	20	9 6.5	18.5
275684 2000 SC_{56}	16.9	X	5.72508	325.05884	331.17046	2.12846	0.1877439	0.24468433	2.5316206	20	8 29.9	18.9
275685 2000 SF_{81}	16.4	X	253.05379	207.68612	179.36432	13.61158	0.1850566	0.23677662	2.5876776	20	6 15.9	20.5
275686 2000 SE_{106}	16.7	X	276.99679	192.55428	173.27981	10.45433	0.1421642	0.23801669	2.5786819	20	6 23.4	20.2
275687 2000 SP_{133}	16.8	X	282.79565	140.81305	222.82549	12.54604	0.1849427	0.23956993	2.5675240	20	6 20.7	20.2
275688 2000 SY_{137}	16.9	X	92.16768	59.31758	302.62997	4.25988	0.1251062	0.26229548	2.4169937	20	—	—
275689 2000 SN_{138}	16.2	X	236.55879	110.76530	223.33544	5.80444	0.2805668	0.23072210	2.6327518	20	3 16.2	20.9
275690 2000 SO_{157}	15.8	X	230.07568	40.31200	297.77406	12.11641	0.3151223	0.23040288	2.6351830	20	3 10.9	20.9
275691 2000 SS_{168}	16.2	X	294.76657	113.56974	215.09927	9.47019	0.2742458	0.23775811	2.5805512	20	5 6.7	19.5
275692 2000 SB_{174}	16.2	X	309.18641	152.67653	231.09036	14.07619	0.1056350	0.24468212	2.5316358	20	9 10.1	19.3
275693 2000 SU_{201}	17.1	X	355.96516	229.04472	90.60546	0.82099	0.1835783	0.24565456	2.5249503	20	9 14.9	19.3
275694 2000 SZ_{281}	16.4	X	213.38282	164.47446	201.34569	13.46664	0.1854495	0.23083073	2.6319257	20	4 10.8	20.8
275695 2000 SF_{297}	15.9	X	354.84885	70.94796	214.77370	9.90030	0.1786586	0.24107543	2.5568235	20	7 14.3	18.4
275696 2000 SF_{361}	16.9	X	317.24883	270.88574	112.78919	7.17353	0.2390381	0.19573686	2.9377915	20	9 11.9	19.7
275697 2000 TL_{38}	16.5	X	249.69065	271.87929	52.41998	6.25590	0.3484861	0.23329690	2.6133450	20	3 14.9	21.2
275698 2000 TA_{44}	16.3	X	224.13438	18.92711	24.35523	10.03713	0.0190961	0.23507598	2.6001429	20	6 21.9	19.9
275699 2000 TH_{60}	15.9	X	277.62194	303.33967	78.78866	13.51671	0.1613206	0.23936328	2.5690015	20	7 14.9	19.2
275700 2000 TL_{66}	16.9	X	187.74685	56.89230	356.47397	2.49528	0.1534895	0.23034837	2.6355987	20	5 16.9	21.2
275701 2000 UA_{30}	15.9	X	221.65745	155.65234	233.34520	22.88080	0.1004410	0.23008651	2.6375980	20	5 23.1	19.7
275702 2000 UM_{55}	15.9	X	309.77545	276.57257	88.74552	8.03817	0.2259572	0.24030501	2.5622854	20	8 6.5	18.3
275703 2000 UV_{67}	16.7	X	196.11263	137.88928	262.89744	5.17943	0.1859939	0.22908832	2.6452542	20	5 8.0	21.2
275704 2000 VQ_{4}	16.7	X	152.29088	321.76798	39.33624	3.28027	0.1947897	0.21944868	2.7221627	20	2 15.8	21.0
275705 2000 VU_{14}	15.8	X	323.16150	293.15203	61.49484	15.28881	0.1340712	0.24061406	2.5600908	20	9 6.5	18.8
275706 2000 VU_{40}	16.2	X	213.00495	111.76624	245.10520	7.85248	0.1718677	0.22732437	2.6589207	20	3 28.2	20.7
275707 2000 WH_{20}	16.4	X	308.60033	286.87833	53.52785	10.36436	0.1415680	0.23701018	2.5859774	20	7 8.1	19.4
275708 2000 WR_{27}	16.3	X	298.84506	153.92822	57.83339	2.69882	0.0201738	0.21550189	2.7552985	20	1 21.6	20.1
275709 2000 WJ_{31}	16.0	X	57.93472	36.65704	88.99391	11.60462	0.2235005	0.21616717	2.7496424	20	4 9.5	19.2
275710 2000 WV_{64}	15.8	X	50.81647	7.60355	234.91622	12.37693	0.1258582	0.23570277	2.5955312	20	8 13.3	19.4
275711 2000 WP_{65}	16.3	X	319.33608	281.61212	62.82518	5.69527	0.1309081	0.18682606	3.0304776	20	7 30.9	19.9
275712 2000 WV_{129}	16.1	X	195.74717	195.01227	241.29683	12.23743	0.1395883	0.23127819	2.6285300	20	6 23.1	20.3
275713 2000 WZ_{137}	16.5	X	266.52054	127.25995	233.76549	3.43212	0.1623236	0.23404771	2.6077530	20	5 30.8	20.2
275714 2000 YH_{4}	18.7	X	285.51185	269.45604	85.57878	17.97048	0.4585754	0.54220540	1.4894531	20	5 4.9	20.4
275715 2000 YL_{32}	16.9	X	332.76698	69.50424	98.14091	25.34938	0.1143973	0.35950425	1.9588448	20	—	—
275716 2000 YY_{41}	15.3	X	315.24452	251.91707	105.03169	13.91602	0.1955844	0.23603755	2.5930765	20	8 9.4	17.8
275717 2000 YD_{59}	16.2	X	99.87913	15.94659	93.12892	4.63201	0.1556743	0.21761904	2.7373991	20	5 1.3	20.0
275718 2000 YM_{93}	16.0	X	264.37354	290.52474	126.17553	9.27978	0.2061449	0.18446084	3.0563277	20	8 1.3	20.2
275719 2000 YY_{108}	15.9	X	25.87225	84.84786	100.18463	16.58081	0.2014666	0.21474606	2.7617599	20	4 30.5	19.0
275720 2000 YL_{129}	16.4	X	140.27308	334.44083	109.53254	13.23112	0.1973173	0.21996306	2.7179171	20	5 18.3	21.0
275721 2001 AS_{5}	15.6	X	161.23764	336.49746	114.12812	15.63578	0.1038274	0.22530512	2.6747837	20	6 9.5	19.9
275722 2001 AM_{19}	17.1	X	149.67676	223.97206	123.30926	24.36926	0.0766176	0.36008286	1.9567458	20	—	—
275723 2001 AE_{22}	16.5	X	140.80602	331.23739	90.97036	16.25763	0.2524980	0.21972757	2.7198587	20	4 28.8	21.3
275724 2001 AG_{23}	15.6	X	278.65669	260.86073	102.95701	11.77933	0.1185517	0.22968250	2.6406901	20	6 26.6	19.0
275725 2001 AW_{30}	16.2	X	91.05975	37.93757	82.51258	15.95430	0.0863043	0.21870564	2.7283247	20	4 29.9	20.1
275726 2001 BA_{2}	18.1	X	22.77421	283.75381	205.96658	1.84186	0.1172645	0.31015336	2.1614825	20	—	—
275727 2001 BG_{61}	15.9	X	201.52687	278.08325	128.61285	14.71976	0.1351636	0.22289132	2.6940601	20	5 26.8	20.4
275728 2001 BS_{73}	14.9	X	94.80694	215.75190	300.23065	13.24349	0.0919335	0.16970511	3.2310185	20	6 14.8	19.7
275729 2001 CE_{14}	16.8	X	119.16405	37.88449	105.08020	6.31890	0.1371213	0.27272593	2.3549685	20	7 4.3	20.1
275730 2001 CX_{29}	15.6	X	355.86498	90.77565	102.02774	9.97413	0.1269058	0.21004954	2.8027749	20	3 8.8	18.9
275731 2001 DX_{56}	16.9	X	348.89142	311.20454	145.16464	7.06111	0.0617879	0.19567408	2.9384198	20	—	—
275732 2001 DO_{79}	16.6	X	149.17486	249.49524	253.53830	11.63851	0.2245445	0.22585204	2.6704639	20	7 31.8	21.3
275733 2001 DU_{102}	15.7	X	66.05535	15.62332	111.10453	10.43600	0.0575295	0.21047403	2.7990052	20	3 29.8	19.5
275734 2001 ER_{3}	17.3	X	250.73969	177.68952	354.33079	6.10415	0.0893280	0.29289615	2.2455718	20	—	—
275735 2001 ES_{13}	16.6	X	100.90575	302.48185	17.76216	23.46612	0.0877460	0.39221862	1.8483487	20	—	—
275736 2001 FJ_{141}	17.5	X	207.40451	249.43114	26.78427	5.59040	0.2742440	0.29486928	2.2355430	20	—	—
275737 2001 FS_{173}	16.8	X	291.83674	338.97775	170.19081	3.22994	0.0901511	0.19164888	2.9794209	20	—	—
275738 2001 GT_{6}	17.4	X	187.94046	356.49953	254.08527	5.19191	0.2585461	0.28971044	2.2620036	20	—	—
275739 2001 GX_{6}	15.5	X	178.90906	93.52778	156.53836	12.77142	0.2926573	0.18319759	3.0703618	20	12 23.5	21.1
275740 2001 HS_{3}	18.7	X	306.26817	56.39077	40.28958	16.18310	0.0848293	0.49320986	1.5865297	20	—	—
275741 2001 HV_{6}	16.1	X	202.23309	246.65216	58.70307	14.61559	0.2887970	0.19055385	2.9908243	20	1 28.2	21.7
275742 2001 HL_{18}	16.2	X	153.29267	71.30040	53.58656	22.14262	0.3106429	0.27089053	2.3655938	20	7 23.8	20.9
275743 2001 HH_{19}	16.9	X	238.63601	25.65294	218.75367	12.98603	0.1957474	0.24321280	2.5418218	20	—	—
275744 2001 HO_{33}	17.1	X	199.61145	211.06099	55.36748	5.80590	0.1454878	0.29180911	2.2511451	20	—	—
275745 2001 KD_{70}	16.1	X	158.88434	350.75356	273.28427	24.24283	0.1945124	0.28044616	2.3115487	20	—	—
275746 2001 LA_{18}	16.6	X	125.01083	359.33806	304.62679	8.58063	0.2335104	0.28001124	2.3139417	20	—	—
275747 2001 MT_{9}	15.4	X	218.17180	213.95534	70.67909	12.85957	0.1339686	0.18702410	3.0283380	20	1 16.4	20.4
275748 2001 MF_{19}	15.7	X	170.29050	213.31122	99.83796	13.03256	0.2734376	0.18217633	3.0818258	20	1 13.2	21.0
275749 2001 OL_{9}	17.1	X	162.20972	249.84789	81.48261	4.68433	0.2809309	0.28692083	2.2766416	20	1 18.4	20.8
275750 2001 ON_{15}	15.7	X	69.09985	346.96828	15.04138	6.01750	0.1580631	0.17312941	3.1882728	20	—	—
275751 2001 OH_{33}	15.8	X	169.71756	257.64944	80.20855	11.45363	0.3464932	0.18464483	3.0542971	20	2 14.9	21.6
275752 2001 OS_{34}	17.3	X	82.35622	295.49860	31.24326	6.98360	0.1578031	0.27522680	2.3406810	20	—	—
275753 2001 OC_{35}	15.9	X	26.29906	166.11930	205.48928	24.38791	0.2229214	0.26974229	2.3723023	20	—	—
275754 2001 OZ_{36}	15.3	X	186.01531	240.26165	69.66960	11.87974	0.1011339	0.18489133	3.0515819	20	1 16.1	20.1
275755 2001 OF_{41}	15.4	X	127.57574	262.04645	104.76546	17.49447	0.2670503	0.18177880	3.0863173	20	2 11.9	20.5
275756 2001 OL_{41}	17.6	X	115.39061	283.02257	25.11146	5.57325	0.1947359	0.27782842	2.3260458	20	—	—
275757 2001 OD_{44}	15.0	X	73.01286	147.05907	213.12268	11.83340	0.0891299	0.16878931	3.2426949	20	—	—
275758 2001 OZ_{49}	16.5	X	112.41117	54.60697	259.37504	5.70669	0.1297482	0.27909646	2.3189951	20	—	—
275759 2001 OG_{76}	16.9	X	30.64879	192.54418	177.17116	6.64833	0.2414065	0.27145788	2.3622966	20	—	—
275760 2001 OB_{85}	16.5	X	23.51734	76.32330	284.96982	8.71007	0.2448781	0.26835681	2.3804605	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
275761 2001 OR_{110}	17.2	X	128.16761	244.58963	87.23625	6.27508	0.1931787	0.28276891	2.2988728	20	—	—
275762 2001 OG_{113}	15.1	X	111.80524	296.32534	69.36554	18.15547	0.3293319	0.17640644	3.1486648	20	2 5.8	20.3
275763 2001 PG_{11}	15.9	X	184.25639	269.34595	32.68061	3.15655	0.1986664	0.18257035	3.0773901	20	1 8.5	21.1
275764 2001 PM_{23}	16.7	X	50.77715	254.67920	98.45988	6.08128	0.2551535	0.27208709	2.3586532	20	—	—
275765 2001 PT_{29}	17.8	X	349.57073	317.05575	356.07137	1.56684	0.2262259	0.25912771	2.4366518	20	8 25.9	19.3
275766 2001 PJ_{30}	17.2	X	57.80869	253.11777	85.28341	9.68454	0.2193387	0.27250730	2.3562279	20	—	—
275767 2001 PE_{32}	17.4	X	154.80524	220.63450	84.07311	8.70985	0.1585383	0.28258985	2.2998438	20	—	—
275768 2001 PY_{33}	17.3	X	204.78157	186.13404	76.85636	8.05534	0.2056083	0.28552858	2.2840362	20	—	—
275769 2001 PN_{35}	17.5	X	112.40334	130.35765	185.91969	22.50015	0.0754291	0.38294067	1.8780842	20	—	—
275770 2001 PM_{36}	15.7	X	125.05107	267.10785	44.39564	12.00960	0.2541651	0.17368200	3.1815067	20	—	—
275771 2001 PU_{36}	15.3	X	166.53058	262.25024	57.31448	10.28098	0.1355118	0.18074245	3.0981036	20	1 11.0	20.3
275772 2001 PU_{37}	15.4	X	106.05395	259.85731	114.96392	17.13980	0.2606408	0.17747663	3.1359943	20	1 29.8	20.0
275773 2001 PU_{38}	15.2	X	167.37868	311.88868	15.57116	17.23626	0.3137274	0.18255854	3.0775228	20	2 3.9	21.0
275774 2001 PO_{47}	15.1	X	156.90185	255.04262	76.95111	11.50474	0.2348554	0.17968766	3.1102160	20	1 23.9	20.4
275775 2001 PX_{56}	17.7	X	328.42866	68.10343	265.79148	1.62957	0.2232715	0.25869178	2.4393885	20	7 31.7	19.2
275776 2001 PC_{65}	15.5	X	141.30933	180.93377	169.50551	15.48641	0.1114282	0.18199857	3.0838322	20	1 17.5	20.4
275777 2001 QK_{1}	15.9	X	201.15746	313.56520	338.21917	8.88678	0.2406549	0.18248777	3.0783184	20	1 11.4	21.4
275778 2001 QD_{7}	17.5	X	164.00517	355.91930	321.94774	5.93470	0.2714291	0.28555521	2.2838942	20	1 3.0	21.1
275779 2001 QK_{9}	16.8	X	29.89865	14.93192	320.96794	9.24216	0.2282155	0.26737482	2.3862854	20	12 17.1	20.0
275780 2001 QQ_{20}	15.1	X	81.94389	204.16566	173.13821	15.79583	0.2712964	0.17316932	3.1877830	20	1 4.4	19.4
275781 2001 QZ_{25}	15.0	X	91.59848	1.61005	1.22705	9.57324	0.2641593	0.17434194	3.1734730	20	—	—
275782 2001 QP_{36}	17.3	X	110.86038	3.82774	316.40677	3.63909	0.1744451	0.27874894	2.3209221	20	—	—
275783 2001 QL_{50}	17.2	X	80.43501	9.00127	343.36856	2.92001	0.2448363	0.27595423	2.3365658	20	—	—
275784 2001 QN_{56}	15.5	X	171.14707	149.58060	139.40971	18.02393	0.1378152	0.17819132	3.1276034	20	—	—
275785 2001 QU_{71}	15.0	X	121.78072	120.12383	213.73151	21.53421	0.1641236	0.17516711	3.1634988	20	—	—
275786 Bouley	17.4	X	103.35387	122.29904	177.92251	2.09691	0.2227989	0.27501826	2.3418641	20	—	—
275787 2001 QX_{84}	17.2	X	59.97879	313.52066	28.95228	7.11614	0.1560465	0.27283667	2.3543312	20	—	—
275788 2001 QY_{95}	16.2	X	59.03567	44.99927	310.75018	4.57938	0.1346156	0.16961499	3.2321627	20	—	—
275789 2001 QW_{117}	16.5	X	280.50885	77.71361	318.23505	7.32549	0.2444574	0.25359929	2.4719368	20	7 26.1	19.4
275790 2001 QS_{130}	16.0	X	210.39721	127.92252	180.00722	9.29349	0.3166904	0.18672833	3.0315349	20	1 31.4	21.8
275791 2001 QP_{132}	16.7	X	52.72634	62.56586	284.85925	5.83815	0.1354981	0.27132364	2.3630757	20	—	—
275792 2001 QH_{142}	18.4	X	97.31021	253.45894	318.32774	30.59825	0.2218015	0.52211146	1.5274274	20	9 24.1	21.1
275793 2001 QT_{148}	16.8	X	63.03232	285.14168	53.57269	7.11526	0.1429248	0.27092350	2.3654019	20	—	—
275794 2001 QD_{164}	15.3	X	122.66242	280.97906	68.09628	11.33197	0.0962196	0.17948143	3.1125980	20	—	—
275795 2001 QH_{166}	16.8	X	198.86069	142.39773	122.42878	6.74136	0.0863481	0.28332572	2.2958599	20	—	—
275796 2001 QY_{172}	15.5	X	147.83791	163.74813	176.45967	14.98790	0.1786045	0.18022190	3.1040664	20	1 18.2	20.7
275797 2001 QC_{175}	17.2	X	335.98837	244.71699	158.08423	4.83577	0.1363281	0.26787988	2.3832850	20	12 11.9	19.5
275798 2001 QL_{183}	16.9	X	12.29939	219.06442	161.67149	3.40860	0.1983049	0.26663297	2.3907096	20	—	—
275799 2001 QJ_{186}	17.8	X	104.22008	120.69069	203.47649	1.58753	0.2326903	0.27653349	2.3333017	20	—	—
275800 2001 QN_{193}	15.4	X	128.69639	103.29377	214.04661	25.10163	0.2631604	0.17354291	3.1832064	20	—	—
275801 2001 QT_{204}	16.6	X	173.79954	335.61040	286.86146	6.20219	0.0878001	0.27866454	2.3213907	20	—	—
275802 2001 QP_{215}	16.2	X	331.87476	148.87396	156.25875	8.52859	0.3179025	0.20357819	2.8618611	20	6 4.9	18.8
275803 2001 QV_{222}	15.9	X	178.58776	152.12474	168.47388	14.38608	0.2161245	0.18334562	3.0687089	20	1 23.4	21.3
275804 2001 QQ_{228}	16.6	X	191.76185	182.94487	209.29505	7.48814	0.2631809	0.24295997	2.5435848	20	4 24.1	21.0
275805 2001 QT_{275}	16.8	X	68.80280	317.94644	20.66125	5.41477	0.2476990	0.27311037	2.3527580	20	—	—
275806 2001 QT_{284}	16.9	X	359.32707	230.81990	126.83049	3.34149	0.2053355	0.26429534	2.4047857	20	11 27.8	19.1
275807 2001 QQ_{288}	15.2	X	102.52454	233.29996	108.10677	17.77201	0.2151128	0.17155123	3.2077967	20	—	—
275808 2001 QT_{292}	15.7	X	146.23055	126.27636	194.60152	26.29705	0.1420281	0.17656457	3.1467845	20	—	—
275809 2001 QY_{297}	5.4	X	82.71428	130.67398	108.74931	1.54732	0.0848867	0.00335838	44.1621031	20	8 25.6	21.8
275810 2001 RS	16.0	X	237.98952	358.71458	270.21164	24.75141	0.1716361	0.28860863	2.2677570	20	—	—
275811 2001 RT	14.7	X	183.39257	43.24105	256.66973	24.41202	0.3429523	0.17998857	3.1067485	20	1 5.4	20.6
275812 2001 RG_{1}	16.9	X	17.97206	26.39525	341.74078	5.94132	0.1324346	0.26834892	2.3805071	20	12 30.6	19.8
275813 2001 RO_{12}	15.5	X	197.49817	118.68302	168.53576	17.87112	0.1268192	0.18152311	3.0892147	20	—	—
275814 2001 RJ_{14}	15.3	X	93.17052	175.15905	192.88199	28.06075	0.1461581	0.17430105	3.1739692	20	—	—
275815 2001 RZ_{14}	15.9	X	137.07768	124.77690	192.99965	16.12819	0.2205010	0.17515719	3.1636182	20	—	—
275816 2001 RC_{17}	17.3	X	74.50000	281.13723	48.08055	2.13490	0.2010979	0.27128130	2.3633215	20	—	—
275817 2001 RK_{17}	17.1	X	310.35808	263.34481	118.16617	2.51706	0.1680379	0.25793220	2.4441753	20	9 13.5	19.2
275818 2001 RZ_{35}	16.7	X	94.65237	1.99147	314.50731	6.33144	0.1152806	0.27399506	2.3476908	20	—	—
275819 2001 RN_{38}	17.0	X	36.24378	1.08668	340.44798	3.10130	0.0806464	0.26765626	2.3846123	20	12 10.4	19.9
275820 2001 RX_{48}	16.4	X	150.10155	39.65724	41.41261	33.58251	0.4301277	0.23772964	2.5807573	20	5 20.6	21.8
275821 2001 RX_{50}	17.2	X	57.18025	262.88453	70.70054	3.29490	0.2085081	0.27094102	2.3652998	20	—	—
275822 2001 RE_{51}	15.6	X	198.14299	240.97302	69.07255	15.23907	0.3231343	0.18358464	3.0660447	20	1 31.4	21.5
275823 2001 RC_{55}	16.0	X	202.09503	105.79651	171.37062	10.97592	0.1900329	0.17964168	3.1107467	20	—	—
275824 2001 RP_{57}	17.2	X	96.35022	270.92629	47.59151	2.76854	0.1931388	0.27422984	2.3463506	20	—	—
275825 2001 RD_{69}	16.5	X	326.64040	68.29139	321.12036	5.69412	0.0783788	0.26112129	2.4242340	20	10 27.2	19.3
275826 2001 RH_{82}	15.7	X	91.75872	153.87181	207.94121	11.27705	0.1939697	0.17322307	3.1871235	20	—	—
275827 2001 RZ_{85}	16.8	X	35.56231	1.43567	1.69407	6.71339	0.1446343	0.26903941	2.3764323	20	—	—
275828 2001 RH_{90}	17.0	X	100.11294	292.42951	34.99888	4.87099	0.1533897	0.27460437	2.3442167	20	—	—
275829 2001 RR_{99}	15.4	X	100.25344	347.13966	352.00859	12.16733	0.1586698	0.17284087	3.1918202	20	—	—
275830 2001 RQ_{101}	17.0	X	332.08726	20.15705	2.70085	7.02942	0.1595915	0.26315820	2.4117083	20	11 1.0	19.1
275831 2001 RE_{103}	17.6	X	172.75368	294.50536	337.91649	4.08852	0.2279933	0.28165126	2.3049504	20	—	—
275832 2001 RB_{106}	15.9	X	74.43346	30.61032	324.38980	0.43231	0.1797681	0.17083496	3.2167567	20	—	—
275833 2001 RD_{122}	15.6	X	71.50057	211.49632	152.25322	5.07768	0.1576697	0.17030463	3.2234312	20	—	—
275834 2001 RR_{122}	16.7	X	336.20571	230.18125	157.34052	5.29877	0.2134715	0.26310425	2.4120379	20	11 26.9	18.6
275835 2001 RG_{130}	17.5	X	98.37684	221.56059	109.52441	1.81105	0.2274862	0.27567152	2.3381630	20	—	—
275836 2001 RY_{138}	17.1	X	316.32615	315.08308	98.55415	3.33429	0.1688054	0.26380227	2.4077813	20	11 18.7	18.9
275837 2001 RF_{139}	17.4	X	87.11261	271.77983	35.78008	1.69200	0.1931380	0.27164937	2.3611863	20	—	—
275838 2001 RC_{142}	17.1	X	246.88685	196.14178	248.07816	19.75746	0.0572885	0.36304134	1.9461008	20	9 23.1	19.6
275839 2001 RF_{146}	15.6	X	171.84418	113.95479	208.58122	14.59160	0.2565604	0.18184153	3.0856074	20	1 20.5	21.3
275840 2001 RS_{152}	16.7	X	336.31150	255.41524	145.81916	10.42977	0.1291515	0.26514454	2.3996483	20	12 9.7	19.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
275841 2001 SH_4	16.7	X	58.22220	24.48740	342.02950	4.54766	0.1749577	0.22005419	2.7171667	20	—	—
275842 2001 SC_5	15.9	X	179.03877	267.35708	20.06631	22.24137	0.3113578	0.28068975	2.3102112	20	—	—
275843 2001 SC_{30}	16.6	X	335.31136	189.87484	183.12785	6.37303	0.1505854	0.26056781	2.4276657	20	10 26.2	18.8
275844 2001 SN_{33}	17.6	X	187.46427	196.90433	185.59066	5.25195	0.3190399	0.23974987	2.5662392	20	4 10.1	22.4
275845 2001 SA_{38}	17.3	X	32.09053	231.88007	107.61463	2.50557	0.2001074	0.26538883	2.3981754	20	12 19.9	20.3
275846 2001 SR_{43}	17.3	X	76.68066	276.45210	70.82273	1.71602	0.2384274	0.27343686	2.3508848	20	—	—
275847 2001 SM_{61}	15.8	X	116.15340	290.88376	194.98226	23.37369	0.4098051	0.23683932	2.5872209	20	6 27.9	21.0
275848 2001 SP_{76}	17.5	X	24.33289	17.10387	266.55592	3.33025	0.2210081	0.31250865	2.1506085	20	10 4.2	19.6
275849 2001 SK_{83}	17.2	X	319.84432	188.87963	199.04393	5.48361	0.1207732	0.26238106	2.4164681	20	10 16.3	19.5
275850 2001 SY_{83}	17.3	X	216.51477	82.93682	306.23361	2.73703	0.1937515	0.24668132	2.5179390	20	5 10.9	21.5
275851 2001 SW_{94}	15.3	X	203.12262	326.43022	344.69689	9.28438	0.0418485	0.18186922	3.0852941	20	2 4.4	19.8
275852 2001 SN_{100}	16.7	X	240.70954	327.61830	199.78360	6.13807	0.0485052	0.27052592	2.3677188	20	—	—
275853 2001 SN_{113}	15.7	X	175.65212	119.51054	196.81333	13.65917	0.2545422	0.17969868	3.1100888	20	1 17.3	21.4
275854 2001 SB_{122}	16.7	X	93.09764	127.00718	224.42548	5.34380	0.1256369	0.27641255	2.3339822	20	—	—
275855 2001 SU_{127}	15.4	X	150.32759	146.59929	179.39883	14.25704	0.1473671	0.17701737	3.1414160	20	1 2.9	20.5
275856 2001 SN_{141}	16.7	X	280.08230	113.64102	327.25047	4.72062	0.0912580	0.26274877	2.4142130	20	10 23.1	19.4
275857 2001 SL_{142}	16.9	X	32.80410	20.09295	336.32929	6.89620	0.1353350	0.26819498	2.3814180	20	—	—
275858 2001 SL_{145}	16.5	X	130.56515	328.67034	343.82792	6.97273	0.1327123	0.27722798	2.3294032	20	—	—
275859 2001 SC_{156}	15.8	X	126.15578	108.38264	191.30514	24.41842	0.3200863	0.17139264	3.2097750	20	—	—
275860 2001 SJ_{158}	16.1	X	64.14532	147.13332	200.29118	13.25982	0.0882031	0.21791218	2.7349436	20	—	—
275861 2001 ST_{162}	17.2	X	81.37419	27.70818	315.13686	0.86968	0.2122502	0.27281719	2.3544433	20	—	—
275862 2001 SG_{174}	16.9	X	0.64557	347.87296	31.12886	5.71597	0.1598430	0.26556815	2.3970958	20	12 22.6	19.5
275863 2001 SB_{175}	17.1	X	141.34315	254.01794	62.04489	3.59601	0.2412786	0.27994851	2.3142873	20	—	—
275864 2001 SP_{175}	17.0	X	56.70189	254.03797	69.11880	2.16367	0.1924183	0.26724160	2.3870783	20	12 25.6	20.5
275865 2001 SP_{180}	17.4	X	191.84018	122.67107	161.79238	12.24539	0.2333699	0.28633780	2.2797310	20	—	—
275866 2001 SZ_{197}	16.9	X	314.41378	26.04906	7.42577	5.35077	0.1400954	0.26102036	2.4248588	20	10 11.9	19.0
275867 2001 SB_{217}	17.8	X	139.10011	215.45513	62.26056	1.89221	0.2050417	0.27511991	2.3412873	20	—	—
275868 2001 SL_{220}	16.5	X	234.98598	119.72594	20.40184	7.42638	0.0381163	0.26489774	2.4011385	20	11 16.6	19.6
275869 2001 SV_{225}	17.4	X	235.97916	343.13657	20.05376	4.69417	0.1578819	0.24498905	2.5295208	20	4 29.1	21.3
275870 2001 SU_{226}	17.9	X	109.15285	194.87092	123.76435	2.41719	0.2048869	0.27482393	2.3429680	20	—	—
275871 2001 SU_{244}	17.4	X	92.02068	179.33616	153.76919	3.28886	0.1661316	0.27318658	2.3523204	20	—	—
275872 2001 SA_{245}	16.8	X	357.71714	250.63481	181.89548	8.98699	0.1442833	0.21716364	2.7412247	20	—	—
275873 2001 SP_{255}	17.7	X	115.44934	261.60543	49.54771	3.64630	0.2518957	0.27452216	2.3446847	20	—	—
275874 2001 SB_{259}	17.8	X	22.49168	340.74097	324.99074	4.07357	0.2895054	0.26276148	2.4141352	20	11 3.7	20.6
275875 2001 SO_{264}	17.7	X	51.68756	127.23596	208.43560	20.91777	0.0908016	0.37273070	1.9122262	20	—	—
275876 2001 ST_{292}	16.1	X	54.41616	208.87351	340.71781	2.38378	0.0727462	0.24586412	2.5235153	20	6 1.6	19.0
275877 2001 SR_{294}	17.0	X	249.84522	260.55918	181.43527	6.85815	0.1876546	0.25767788	2.4457832	20	8 24.7	20.3
275878 2001 SG_{297}	17.2	X	67.63678	302.62601	191.35816	10.74340	0.0100467	0.29378901	2.2410198	20	3 21.6	19.9
275879 2001 SD_{325}	16.6	X	201.23031	320.58736	70.39977	5.93453	0.1083910	0.24314011	2.5423284	20	5 4.2	20.4
275880 2001 SW_{345}	16.8	X	183.45470	254.28486	119.28885	4.97388	0.3388412	0.23971543	2.5664850	20	3 30.0	21.7
275881 2001 SR_{355}	17.0	X	188.68122	11.72731	83.45527	8.51792	0.2184249	0.24669643	2.5178362	20	7 9.6	21.3
275882 2001 TY_{14}	17.2	X	63.30287	252.60468	101.86823	5.12558	0.1787619	0.27139207	2.3626784	20	—	—
275883 2001 TT_{15}	17.1	X	90.05746	305.03880	38.71725	9.86211	0.2365136	0.27488357	2.3426291	20	—	—
275884 2001 TP_{22}	17.6	X	126.77374	196.78786	222.52866	3.58677	0.3112959	0.23300432	2.6155322	20	4 10.3	22.1
275885 2001 TS_{23}	17.3	X	38.05771	350.94461	0.90496	2.43168	0.2101238	0.26685116	2.3894062	20	—	—
275886 2001 TT_{32}	15.9	X	293.07854	91.33560	34.84098	24.79768	0.1741345	0.21054047	2.7984163	20	12 21.4	19.4
275887 2001 TO_{35}	16.2	X	245.72416	47.15392	346.06627	7.14268	0.1692622	0.24589653	2.5232936	20	6 17.4	20.0
275888 2001 TT_{39}	15.4	X	81.80444	266.87096	242.57875	27.01166	0.3452542	0.23196370	2.6233488	20	6 22.2	19.6
275889 2001 TW_{47}	17.6	X	151.67384	250.12583	140.32124	6.36596	0.3238399	0.23450776	2.6043414	20	3 28.8	22.3
275890 2001 TV_{48}	16.6	X	65.17115	290.73330	15.13690	10.52542	0.2730263	0.26646921	2.3916889	20	12 18.9	20.6
275891 2001 TG_{52}	16.8	X	52.82794	282.39109	46.87449	6.27110	0.1815819	0.26748587	2.3856248	20	12 28.2	20.2
275892 2001 TE_{53}	16.7	X	3.34873	355.00297	41.93988	7.23291	0.1408331	0.26654085	2.3912603	20	—	—
275893 2001 TK_{53}	15.7	X	126.00955	147.55012	194.32222	26.54995	0.1839032	0.17388429	3.1790387	20	—	—
275894 2001 TL_{57}	17.1	X	305.05588	23.25997	8.22613	2.13575	0.1901173	0.25743091	2.4473472	20	9 14.1	19.1
275895 2001 TB_{58}	15.7	X	113.71729	127.72805	216.10462	4.97085	0.1535089	0.17179666	3.2047407	20	—	—
275896 2001 TG_{62}	16.5	X	6.12605	340.39033	39.45095	8.27266	0.1189149	0.26460322	2.4029199	20	12 25.4	19.4
275897 2001 TL_{76}	16.6	X	354.18115	306.43711	63.47098	3.87485	0.1884645	0.26111239	2.4242890	20	12 1.5	18.8
275898 2001 TM_{81}	16.6	X	194.63122	187.48878	234.52675	7.32614	0.2206384	0.24471757	2.5313913	20	6 2.6	20.8
275899 2001 TB_{83}	16.7	X	114.80574	85.73362	236.31192	6.36607	0.1322012	0.27510916	2.3413483	20	—	—
275900 2001 TK_{86}	17.1	X	68.69319	120.75110	218.01182	6.35880	0.1361477	0.27033952	2.3688071	20	—	—
275901 2001 TY_{87}	17.3	X	155.42596	169.67941	233.72728	5.66546	0.3066755	0.23639941	2.5904296	20	4 11.5	21.9
275902 2001 TM_{89}	17.8	X	156.73788	80.65461	240.34618	3.38775	0.2713492	0.28239020	2.3009277	20	—	—
275903 2001 TX_{89}	15.3	X	120.16765	131.31779	215.99894	16.40964	0.2559054	0.17439093	3.1728786	20	1 8.2	20.5
275904 2001 TV_{102}	16.6	X	192.54455	101.45833	288.17000	10.13823	0.1855666	0.23966055	2.5668767	20	4 17.3	21.1
275905 2001 TN_{115}	16.9	X	212.57454	43.16774	21.76350	8.98363	0.2723522	0.24452773	2.5327013	20	6 17.9	21.5
275906 2001 TW_{124}	16.9	X	161.63474	227.70491	223.85986	17.18843	0.3064524	0.24093541	2.5578140	20	6 13.3	21.8
275907 2001 TE_{139}	17.2	X	50.87652	305.50856	64.18485	3.85046	0.1865934	0.27260071	2.3556896	20	—	—
275908 2001 TG_{140}	16.9	X	49.55479	257.95388	86.01608	4.50752	0.2007360	0.26972186	2.3724221	20	—	—
275909 2001 TX_{142}	15.3	X	92.96685	282.58762	67.97378	5.90100	0.1348353	0.16990895	3.2284338	20	—	—
275910 2001 TJ_{143}	16.8	X	358.71161	273.41594	169.30155	7.58949	0.2024846	0.21807018	2.7336224	20	—	—
275911 2001 TD_{149}	16.6	X	310.69389	287.55275	96.85347	3.51468	0.2033408	0.25711861	2.4493285	20	9 15.8	18.6
275912 2001 TW_{149}	16.7	X	193.29129	314.53083	132.75085	3.99066	0.2022777	0.24583822	2.5236926	20	7 3.6	20.8
275913 2001 TK_{151}	16.4	X	99.21445	254.74754	82.84846	6.64149	0.1804298	0.27406851	2.3472713	20	—	—
275914 2001 TU_{154}	16.4	X	13.83351	310.87177	52.87377	10.50244	0.2180656	0.26516161	2.3995453	20	12 30.9	19.4
275915 2001 TB_{171}	15.7	X	122.27347	271.18507	225.43691	7.84150	0.1073736	0.24545569	2.5263139	20	6 24.8	19.4
275916 2001 TL_{173}	16.8	X	233.73910	160.59806	316.05358	6.26106	0.0721888	0.25985734	2.4320886	20	10 6.2	20.1
275917 2001 TN_{177}	15.8	X	43.66512	126.84895	233.39543	4.15901	0.0922044	0.16298953	3.3191706	20	12 19.1	20.4
275918 2001 TB_{178}	16.9	X	280.47966	67.09731	340.61757	4.87454	0.1411905	0.25553124	2.4594616	20	8 30.1	19.4
275919 2001 TM_{184}	16.9	X	150.82838	0.24889	234.57582	6.10463	0.0653972	0.26572469	2.3961543	20	12 5.3	20.3
275920 2001 TQ_{184}	17.3	X	283.37805	334.42924	357.41506	5.66209	0.1292060	0.24741154	2.5129822	20	5 16.0	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
275921 2001 TT_{201}	16.5	X	42.80871	297.73839	59.53775	12.12594	0.1839294	0.21571124	2.7535155	20	—	—
275922 2001 TZ_{203}	16.1	X	43.12170	325.20976	50.09075	9.54187	0.1045134	0.21893756	2.7263977	20	—	—
275923 2001 TH_{204}	17.9	X	139.98336	221.36004	115.37008	4.10845	0.2710344	0.28195417	2.3032992	20	1 4.3	21.1
275924 2001 TQ_{226}	16.8	X	352.60131	335.65305	55.23341	14.11994	0.2246544	0.26471519	2.4022423	20	—	—
275925 2001 TN_{229}	16.0	X	105.24093	73.14370	318.05303	10.47290	0.2052240	0.22719212	2.6599525	20	2 3.3	19.4
275926 2001 TG_{240}	17.4	X	224.02236	47.39125	333.15013	1.80843	0.1951319	0.24406051	2.5359326	20	5 7.1	21.5
275927 2001 TZ_{241}	15.4	X	150.35782	250.80343	104.46773	10.93534	0.2361230	0.17759969	3.1345455	20	2 14.9	20.7
275928 2001 TU_{256}	16.7	X	318.49734	13.60950	16.61340	6.35400	0.1234132	0.25672516	2.4518304	20	10 14.9	19.1
275929 2001 TM_{258}	16.8	X	50.47073	124.07245	124.25401	4.07331	0.1413949	0.25462331	2.4653047	20	9 2.1	19.7
275930 2001 UE_{10}	16.4	X	339.32123	1.08437	101.58964	5.33354	0.0799256	0.22146647	2.7056029	20	—	—
275931 2001 UM_{21}	16.1	X	226.58411	31.84174	341.41978	14.22339	0.1228206	0.24514058	2.5284783	20	4 29.3	20.3
275932 2001 UM_{28}	17.4	X	354.82934	260.98618	43.32585	6.90788	0.1832348	0.30805019	2.1713095	20	9 5.2	18.8
275933 2001 UO_{39}	16.3	X	2.52792	22.70444	40.09279	10.08165	0.1781306	0.21589475	2.7519550	20	—	—
275934 2001 UK_{49}	17.0	X	233.26793	263.12850	208.58699	20.01636	0.0944851	0.36076824	1.9542668	20	10 17.4	18.9
275935 2001 UA_{52}	17.2	X	157.50519	315.46257	83.42989	3.27259	0.1798066	0.23554151	2.5967157	20	4 4.1	21.3
275936 2001 UP_{55}	17.2	X	227.32728	65.80661	311.38935	3.32248	0.1741612	0.24542091	2.5265526	20	5 6.7	21.2
275937 2001 UK_{65}	16.6	X	325.83949	133.79536	259.13145	1.74570	0.2178879	0.25918224	2.4363100	20	11 6.2	18.3
275938 2001 UP_{82}	16.7	X	217.98012	356.09598	63.97309	1.00344	0.1270830	0.24578109	2.5240836	20	6 27.0	20.5
275939 2001 UM_{92}	16.8	X	358.82574	239.18785	129.96055	4.87681	0.0676106	0.26104204	2.4247246	20	11 22.8	19.6
275940 2001 UM_{105}	16.0	X	192.45796	109.33674	204.36840	11.09316	0.2765503	0.18035695	3.1025167	20	1 25.9	21.7
275941 2001 UX_{123}	16.9	X	187.63076	270.06451	122.90660	10.76041	0.1728040	0.24020747	2.5629790	20	4 26.3	21.3
275942 2001 UA_{131}	16.4	X	7.44226	177.55525	40.74198	15.70117	0.0275552	0.23935957	2.5690281	20	4 28.4	19.6
275943 2001 UX_{142}	17.0	X	40.89797	294.28019	54.86399	4.61440	0.2661484	0.21355810	2.7719923	20	—	—
275944 2001 UG_{148}	17.6	X	119.57643	269.19586	210.74120	3.20842	0.2885037	0.23727919	2.5840225	20	6 16.9	22.0
275945 2001 UH_{158}	15.5	X	151.22553	268.31548	53.67917	24.51287	0.3846506	0.17450730	3.1714679	20	1 19.2	21.6
275946 2001 UZ_{170}	15.8	X	281.29483	340.85106	27.83938	14.65346	0.1174493	0.24717826	2.5145631	20	7 10.7	19.2
275947 2001 UH_{183}	16.6	X	347.47643	233.80752	124.39634	5.95963	0.1261927	0.26010835	2.4305237	20	10 27.4	19.1
275948 2001 UF_{186}	15.3	X	182.41321	104.49276	213.23403	25.17811	0.2290518	0.18019184	3.1044116	20	1 19.2	21.1
275949 2001 UM_{188}	16.7	X	33.75668	211.79680	152.52024	5.28098	0.2120849	0.26617665	2.3934411	20	—	—
275950 2001 UP_{226}	18.3	X	70.32522	199.10773	96.43598	3.73852	0.1984250	0.31869860	2.1226707	20	12 14.8	21.4
275951 2001 VC_{1}	15.3	X	117.80766	285.07711	56.24300	26.71480	0.2614822	0.17421481	3.1750166	20	—	—
275952 2001 VM_{3}	17.2	X	123.65973	61.79149	235.00715	4.31881	0.1835440	0.27155248	2.3617479	20	—	—
275953 2001 VX_{54}	17.2	X	204.32811	56.28035	317.33513	3.52372	0.3073542	0.24045784	2.5611996	20	4 8.5	22.0
275954 2001 VN_{68}	16.7	X	238.13947	73.54413	293.15318	9.70451	0.1500421	0.24380980	2.5376707	20	5 4.1	20.7
275955 2001 VY_{68}	16.5	X	359.75721	13.93005	1.37199	1.71658	0.1879971	0.26233818	2.4167314	20	12 19.5	18.9
275956 2001 VM_{93}	16.4	X	192.47291	331.02229	99.15751	13.19071	0.2523081	0.24170230	2.5524008	20	6 11.1	20.8
275957 2001 VL_{100}	16.5	X	230.04865	221.93292	186.86568	9.04557	0.1404717	0.24510882	2.5286968	20	6 23.7	20.4
275958 2001 VQ_{111}	17.0	X	223.34594	56.17408	4.35904	0.80732	0.1264548	0.24543085	2.5264844	20	7 3.7	20.6
275959 2001 VE_{126}	17.4	X	212.05606	345.20488	87.41048	2.51663	0.1010787	0.24581160	2.5238748	20	7 9.5	21.1
275960 2001 VS_{128}	17.2	X	108.51328	151.82794	155.72016	9.25615	0.1866153	0.27124425	2.3635367	20	—	—
275961 2001 VU_{128}	17.4	X	244.15759	108.06735	127.50112	8.47057	0.1676639	0.27841222	2.3227931	20	—	—
275962 Chalverat	17.0	X	174.34809	147.06470	267.44834	5.47158	0.2168559	0.23809695	2.5781024	20	5 6.3	21.4
275963 2001 WD_{8}	15.7	X	250.42035	219.11384	171.00369	4.52077	0.0818033	0.24587400	2.5234477	20	6 30.5	19.0
275964 2001 WR_{17}	16.6	X	87.38068	94.97954	236.08305	5.98847	0.1526507	0.27041824	2.3683473	20	—	—
275965 2001 WE_{18}	16.0	X	47.21686	85.98844	224.39252	11.94695	0.2354103	0.26315156	2.4117489	20	12 4.2	19.5
275966 2001 WE_{33}	16.9	X	111.13936	10.87472	78.05673	5.09595	0.0963291	0.23318804	2.6141582	20	4 10.5	20.5
275967 2001 WW_{36}	16.3	X	111.92739	246.25154	61.37596	14.61662	0.2371916	0.27107978	2.3644926	20	—	—
275968 2001 WG_{40}	16.1	X	225.14439	181.34285	233.19954	11.49927	0.2745329	0.24397606	2.5365178	20	6 15.1	20.5
275969 2001 WP_{58}	16.5	X	180.97928	136.19256	41.63783	7.93411	0.0329256	0.25799563	2.4437746	20	10 29.0	19.5
275970 2001 WB_{84}	16.9	X	104.94640	256.25048	63.83810	6.72685	0.2363710	0.27018905	2.3696864	20	—	—
275971 2001 WS_{91}	16.7	X	288.68786	80.62730	306.31829	5.31472	0.2543916	0.25160949	2.4849522	20	7 23.5	19.3
275972 2001 WQ_{97}	16.8	X	296.78667	190.59874	187.16152	14.52396	0.1166696	0.25316483	2.4747640	20	8 12.9	19.8
275973 2001 WB_{104}	17.1	X	132.41221	89.22478	19.10321	7.01415	0.1161214	0.23396173	2.6083918	20	5 29.5	21.1
275974 2001 XD	18.5	X	139.41558	232.67092	64.02039	11.31118	0.7961183	0.33695609	2.0452850	20	—	—
275975 2001 XF_{1}	19.2	X	156.71137	231.56229	87.79458	22.03083	0.4638506	0.54798804	1.4789563	20	—	—
275976 2001 XV_{10}	16.2	X	265.53963	342.01157	31.40666	22.35232	0.5852613	0.30121436	2.2040373	20	4 28.6	20.6
275977 2001 XW_{15}	16.7	X	255.08770	284.13686	147.50785	2.56497	0.0907457	0.25072728	2.4907778	20	9 2.6	19.8
275978 2001 XP_{17}	16.0	X	256.98606	4.19379	23.35727	7.05153	0.2257566	0.24586323	2.5235214	20	6 14.9	19.8
275979 2001 XH_{48}	16.5	X	171.45097	242.61639	255.17390	20.38943	0.0401223	0.35840302	1.9628553	20	8 21.9	19.4
275980 2001 XA_{50}	16.1	X	318.58554	88.08920	225.45027	0.25986	0.1307290	0.24587108	2.5234677	20	6 16.9	18.8
275981 2001 XP_{71}	16.7	X	13.04772	290.88292	83.74647	8.64261	0.1667533	0.26342477	2.4100810	20	—	—
275982 2001 XR_{78}	16.3	X	315.49536	168.83394	207.39672	10.80010	0.1831689	0.25466631	2.4650272	20	9 9.1	18.5
275983 2001 XE_{82}	16.6	X	211.45220	251.73599	183.12994	2.79728	0.1329949	0.24446685	2.5331218	20	7 8.6	20.5
275984 2001 XP_{82}	16.9	X	195.24868	145.16001	230.30010	5.27839	0.3444595	0.23813870	2.5778010	20	4 4.9	21.8
275985 2001 XL_{90}	16.4	X	3.40770	315.98731	49.96483	7.07580	0.1257052	0.26040206	2.4286957	20	12 1.2	19.0
275986 2001 XB_{93}	16.5	X	265.58039	331.15851	57.99290	2.60570	0.1121701	0.24766935	2.5112380	20	7 15.9	19.7
275987 2001 XE_{96}	16.4	X	152.63754	340.53284	57.45897	3.06293	0.0891485	0.23139716	2.6276289	20	3 22.7	20.1
275988 2001 XJ_{96}	16.2	X	207.75682	34.93130	62.03674	2.45472	0.0691279	0.24665662	2.5181071	20	8 10.2	19.6
275989 2001 XC_{112}	16.9	X	295.74533	308.71870	111.22350	5.41027	0.1677916	0.25561783	2.4589062	20	10 14.5	19.2
275990 2001 XT_{128}	17.0	X	243.10182	248.05889	167.33195	1.85377	0.0995605	0.24732376	2.5135768	20	7 23.4	20.3
275991 2001 XZ_{128}	17.2	X	82.96293	178.67640	161.33853	2.13904	0.2352065	0.26946457	2.3739320	20	—	—
275992 2001 XF_{134}	16.7	X	59.40149	269.62966	81.09452	5.21885	0.1791748	0.26608216	2.3940077	20	—	—
275993 2001 XW_{134}	15.0	X	101.07925	202.89062	254.22936	8.27916	0.2512212	0.12360821	3.9912093	20	4 29.7	21.1
275994 2001 XG_{144}	16.7	X	200.79352	323.67688	126.13373	3.38593	0.0832661	0.24435225	2.5339137	20	7 20.7	20.1
275995 2001 XF_{152}	16.2	X	263.87665	120.65529	248.87946	4.86896	0.1696467	0.24418360	2.5350803	20	6 6.9	19.7
275996 2001 XZ_{165}	16.7	X	110.59827	340.41191	104.53764	6.11604	0.1059199	0.23003439	2.6379964	20	4 7.0	20.4
275997 2001 XB_{194}	16.3	X	32.51348	310.59717	117.18263	5.79839	0.2339408	0.21477206	2.7615370	20	—	—
275998 2001 XV_{209}	15.9	X	273.75793	251.59831	116.67423	6.63186	0.1423566	0.24500102	2.5294385	20	6 22.6	19.1
275999 2001 XP_{222}	16.1	X	76.42788	73.85884	248.93664	5.26572	0.0536531	0.21146480	2.7902556	20	12 18.8	19.9
276000 2001 XO_{224}	16.2	X	216.76367	17.97430	55.24841	4.67181	0.0493764	0.24565106	2.5249743	20	7 22.1	19.6