Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
236001 2005 GB_{23}	15.5	X	128.23781	297.52610	156.26391	10.99050	0.0862214	0.18835112	3.0140971	21	5 1.5	20.0
236002 2005 GW_{23}	15.6	X	63.12106	90.18109	330.12893	22.23806	0.1650265	0.18053172	3.1005141	21	1 7.7	19.6
236003 2005 GA_{24}	15.6	X	86.93347	12.33650	10.32352	4.65471	0.1530837	0.17063024	3.2193291	21	—	—
236004 2005 GE_{27}	15.3	X	19.81797	288.14188	331.93403	9.79367	0.0568388	0.19512564	2.9439233	21	7 5.7	19.2
236005 2005 GG_{29}	15.7	X	7.18854	235.63605	321.99713	3.50531	0.0987086	0.18247992	3.0784067	21	3 22.8	19.5
236006 2005 GQ_{31}	15.3	X	24.74850	351.39031	155.60943	12.64736	0.0247418	0.17796804	3.1302189	21	2 15.1	19.5
236007 2005 GA_{41}	15.0	X	96.26483	78.05319	29.52263	24.29445	0.1171498	0.18420964	3.0591057	21	4 14.0	19.3
236008 2005 GE_{45}	16.0	X	164.67300	15.60829	224.58242	8.37915	0.1067994	0.21525632	2.7573937	21	12 7.3	20.3
236009 2005 GC_{48}	16.0	X	261.00601	269.05574	77.46820	1.93146	0.0396305	0.18930867	3.0039248	21	5 14.7	20.3
236010 2005 GA_{71}	15.6	X	354.93574	346.08412	210.69734	9.73863	0.0597565	0.18031270	3.1030242	21	3 4.5	19.9
236011 2005 GN_{72}	15.2	X	19.81730	114.58188	50.82597	10.04343	0.0396560	0.18076031	3.0978996	21	3 8.6	19.5
236012 2005 GA_{78}	15.3	X	296.90307	193.72735	72.97961	14.33132	0.1532088	0.17999170	3.1067125	21	3 12.5	20.0
236013 2005 GU_{80}	16.4	X	323.63620	230.64940	55.46875	3.17539	0.0719468	0.18840166	3.0135580	21	5 14.7	20.4
236014 2005 GC_{82}	16.2	X	267.99771	0.20486	22.10254	2.18157	0.0539866	0.20294857	2.8677770	21	7 6.9	20.0
236015 2005 GM_{89}	16.2	X	298.17973	224.36892	54.16152	1.70781	0.1291119	0.18197070	3.0841470	21	3 24.6	20.5
236016 2005 GJ_{94}	15.8	X	85.51980	61.84616	30.45828	26.82445	0.1978017	0.18120666	3.0928102	21	3 31.7	20.2
236017 2005 GD_{95}	15.9	X	66.65018	307.90197	163.07410	3.45449	0.1836816	0.18062275	3.0994722	21	3 16.5	19.7
236018 2005 GV_{96}	15.7	X	45.47759	30.85921	48.45694	5.46572	0.1404262	0.17093847	3.2154580	21	—	—
236019 2005 GT_{98}	15.4	X	190.82172	306.91208	34.54898	11.49847	0.0714525	0.17335670	3.1854855	21	2 24.5	20.4
236020 2005 GH_{105}	15.4	X	354.63751	97.59218	64.34884	6.12466	0.0707326	0.17442993	3.1724057	21	1 24.9	19.7
236021 2005 GR_{112}	15.5	X	22.02347	222.39354	2.03334	7.97446	0.0686402	0.18846848	3.0128458	21	5 18.7	19.4
236022 2005 GL_{121}	15.9	X	273.62852	170.90276	105.69714	2.64599	0.1432422	0.17529520	3.1619576	21	2 21.9	20.7
236023 2005 GK_{122}	16.6	X	89.37394	92.94561	192.37904	4.65451	0.1371658	0.21244448	2.7816709	21	11 19.7	20.8
236024 2005 GQ_{128}	16.6	X	275.43105	59.66103	22.74641	19.23656	0.1056754	0.39077218	1.8529070	21	10 24.3	17.5
236025 2005 GN_{133}	15.9	X	304.62664	221.56385	51.50782	7.25885	0.1457078	0.18146444	3.0898806	21	3 26.1	20.2
236026 2005 GG_{139}	15.2	X	44.17339	270.41728	214.77940	15.15537	0.2092143	0.17926209	3.1151365	21	2 20.7	18.9
236027 2005 GM_{141}	15.6	X	27.07529	153.53027	53.53598	6.34319	0.0776067	0.18651085	3.0338910	21	5 6.7	19.2
236028 2005 GZ_{147}	15.7	X	1.94004	184.86247	358.48068	5.16105	0.1051796	0.17920196	3.1158333	21	2 26.9	19.4
236029 2005 GA_{152}	15.8	X	226.10827	353.56348	7.05372	4.35414	0.1217494	0.18456700	3.0551557	21	4 14.8	20.7
236030 2005 GL_{154}	16.3	X	237.82303	357.37587	179.90554	8.66687	0.1247995	0.21941384	2.7224508	21	12 8.0	20.2
236031 2005 GV_{160}	15.5	X	21.64602	359.77419	210.88403	11.58310	0.1403502	0.18459269	3.0548723	21	5 5.9	19.0
236032 2005 GY_{166}	15.0	X	7.99256	329.05735	225.46929	15.58756	0.1560313	0.17954772	3.1118318	21	3 14.3	18.9
236033 2005 GQ_{170}	16.0	X	52.10290	167.43474	27.24794	18.69639	0.1948305	0.18958740	3.0009798	21	6 9.2	19.9
236034 2005 GS_{170}	14.7	X	255.01551	229.88788	69.55400	22.75523	0.2615681	0.17327163	3.1865280	21	3 3.3	20.5
236035 2005 GA_{171}	16.0	X	249.24125	58.94668	220.58940	7.34423	0.0329262	0.17447977	3.1718015	21	2 7.0	20.7
236036 2005 GW_{171}	15.2	X	23.42130	2.06784	184.57675	8.17905	0.0179053	0.18192547	3.0846582	21	4 3.8	19.5
236037 2005 GD_{179}	15.4	X	332.03923	33.85216	175.62099	17.29358	0.1584253	0.17622827	3.1507867	21	2 5.6	19.6
236038 2005 GW_{179}	15.3	X	5.51757	45.75456	115.22258	28.17650	0.1872379	0.17552232	3.1592292	21	1 28.9	18.8
236039 2005 GJ_{181}	15.9	X	338.59829	68.81262	180.04014	10.12730	0.0919186	0.18517191	3.0484984	21	4 17.6	19.7
236040 2005 GP_{182}	15.6	X	223.67844	319.65852	38.84187	9.96784	0.0934662	0.18506180	3.0497076	21	4 13.7	20.3
236041 2005 GN_{210}	15.2	X	286.91284	198.21566	82.66019	17.64861	0.0497768	0.18186793	3.0853087	21	4 3.1	19.9
236042 2005 GA_{220}	15.9	X	126.96207	279.21937	159.98210	2.76859	0.0968633	0.18717704	3.0266880	21	4 10.7	20.3
236043 2005 GU_{221}	15.8	X	289.32605	166.38353	106.54196	5.73862	0.1151419	0.17858250	3.1230346	21	3 11.3	20.3
236044 2005 GG_{222}	15.5	X	260.01655	324.40118	18.90134	8.76606	0.1514308	0.18737500	3.0245559	21	4 24.5	20.2
236045 2005 HU_{1}	15.5	X	24.05504	356.29084	169.84504	11.80454	0.1043586	0.17949940	3.1123902	21	3 10.8	19.2
236046 2005 HC_{2}	15.5	X	350.55565	75.24221	205.16165	10.65315	0.1065626	0.18901139	3.0070737	21	6 15.1	19.3
236047 2005 HL_{7}	15.8	X	333.39023	35.15920	184.64559	5.31188	0.0948986	0.18123428	3.0924960	21	3 1.4	19.8
236048 2005 JV_{2}	16.3	X	358.39917	198.11632	64.49278	2.26106	0.0820159	0.18824771	3.0152009	21	6 4.6	20.1
236049 2005 JO_{4}	15.1	X	343.49677	22.33371	192.56341	19.61054	0.1424088	0.17719373	3.1393313	21	3 3.0	19.2
236050 2005 JL_{5}	17.3	X	88.25796	74.18528	167.39368	23.08879	0.0330679	0.38333556	1.8767941	21	10 2.3	19.1
236051 2005 JV_{13}	15.9	X	136.69076	293.01442	324.56939	8.84519	0.1831254	0.21268955	2.7795337	21	11 30.4	20.7
236052 2005 JQ_{19}	16.0	X	349.62463	139.76551	162.33736	6.58211	0.1978418	0.19088906	2.9873219	21	7 9.4	19.1
236053 2005 JJ_{20}	15.6	X	301.36033	65.04617	174.00623	13.90353	0.2411293	0.17340262	3.1849230	21	1 23.6	20.6
236054 2005 JJ_{22}	15.5	X	351.29451	35.86846	162.68719	10.96623	0.1609350	0.17701906	3.1413961	21	2 23.1	19.3
236055 2005 JD_{23}	16.1	X	314.99461	271.99393	9.03770	1.53251	0.0667739	0.18789293	3.0189953	21	4 26.2	19.9
236056 2005 JK_{23}	15.9	X	302.67461	246.91284	39.55858	3.26010	0.1103825	0.18685917	3.0301196	21	4 11.2	20.0
236057 2005 JN_{26}	14.9	X	6.66253	328.93295	215.18837	15.73452	0.1528334	0.17774136	3.1328797	21	2 26.6	18.8
236058 2005 JE_{29}	15.4	X	283.23688	59.43173	203.62639	15.91971	0.0916400	0.17330112	3.1861666	21	2 17.6	20.3
236059 2005 JH_{38}	15.5	X	301.97048	112.36897	196.00740	21.50172	0.1414158	0.18193677	3.0845304	21	5 5.3	19.8
236060 2005 JY_{46}	16.2	X	342.54103	143.25172	79.59976	2.23714	0.1163717	0.17968284	3.1102716	21	3 18.5	20.0
236061 2005 JF_{64}	15.8	X	317.16722	126.26306	120.51221	11.21941	0.1558439	0.17718001	3.1394934	21	3 9.4	20.1
236062 2005 JV_{64}	15.8	X	317.42079	111.38487	81.27812	6.62504	0.1203681	0.17127569	3.2112361	21	1 6.2	20.1
236063 2005 JB_{67}	15.6	X	5.94711	54.39093	155.12230	10.49241	0.1289161	0.18141167	3.0904797	21	4 8.9	19.3
236064 2005 JA_{71}	15.7	X	341.11716	119.79023	99.69062	9.30838	0.1320992	0.17849896	3.1240088	21	3 13.7	19.7
236065 2005 JZ_{76}	14.7	X	297.80308	95.45715	115.30326	21.24115	0.0255722	0.16917550	3.2377581	21	1 17.3	19.1
236066 2005 JU_{80}	15.7	X	325.78270	86.99826	183.62060	25.40447	0.2423770	0.18116668	3.0932653	21	4 5.1	19.5
236067 2005 JQ_{84}	15.3	X	303.55108	131.45043	185.43237	12.05864	0.0722113	0.19005436	2.9960622	21	5 28.2	19.5
236068 2005 JV_{88}	17.5	X	58.77046	68.41767	183.32070	22.75396	0.0798786	0.37919743	1.8904236	21	9 3.4	19.3
236069 2005 JZ_{98}	15.8	X	21.09130	174.09647	25.36293	9.33230	0.0350544	0.18663127	3.0325858	21	4 16.1	19.6
236070 2005 JT_{100}	15.6	X	296.95665	213.11318	48.57501	7.44384	0.1168323	0.17706209	3.1408871	21	3 7.8	20.1
236071 2005 JU_{102}	15.3	X	17.61250	39.91410	128.40423	10.29430	0.0414463	0.17507134	3.1646524	21	3 7.5	19.6
236072 2005 JK_{121}	15.4	X	217.48148	139.99149	162.97108	5.15435	0.0860054	0.16875431	3.2431433	21	1 31.9	20.4
236073 2005 JK_{122}	15.3	X	122.75152	175.51761	311.89764	12.92765	0.0989305	0.19245119	2.9711346	21	6 3.6	19.9
236074 2005 JW_{126}	15.7	X	51.32208	217.82254	41.77931	5.72720	0.1607148	0.19506832	2.9445000	21	9 5.9	19.5
236075 2005 JH_{136}	15.6	X	21.40275	5.77429	145.84286	11.36344	0.1703694	0.17706081	3.1409023	21	2 15.8	18.8
236076 2005 JR_{137}	15.5	X	179.74950	26.07771	77.28242	11.36956	0.0641954	0.19295820	2.9659277	21	7 5.3	19.9
236077 2005 JM_{148}	15.4	X	21.03523	22.47793	196.32755	13.91151	0.2335790	0.18540001	3.0459975	21	5 22.4	18.5
236078 2005 JF_{150}	16.1	X	279.93787	120.16338	160.13440	5.19779	0.1140580	0.17573913	3.1566304	21	3 7.8	20.5
236079 2005 JK_{158}	16.0	X	61.82572	286.27033	268.36937	2.88327	0.1757983	0.19074140	2.9888635	21	6 25.5	19.6
236080 2005 JZ_{158}	15.5	X	126.89850	40.80526	59.09245	9.14241	0.0340820	0.18724781	3.0259254	21	4 29.6	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
236081 2005 JY_{160}	15.9	X	244.25824	106.43794	191.96431	9.52768	0.0534886	0.17377661	3.1803519	21	2 22.7	20.7
236082 2005 JE_{176}	15.4	X	333.09217	68.17976	161.01632	15.91666	0.1292556	0.17876984	3.1208522	21	3 10.6	19.3
236083 2005 JA_{185}	14.6	X	15.32563	261.52957	272.42828	14.82056	0.1913317	0.17960899	3.1111241	21	2 24.2	18.4
236084 2005 KJ	15.2	X	85.14617	251.93125	208.93812	9.38016	0.0704891	0.17778591	3.1323563	21	3 11.8	19.6
236085 2005 KO_{3}	15.6	X	78.14244	293.71005	130.91054	2.89654	0.0595269	0.16964044	3.2318395	21	1 20.1	19.9
236086 2005 KW_{11}	16.1	X	334.36531	206.58034	72.60412	1.94805	0.2421316	0.18296542	3.0729586	21	4 30.8	19.4
236087 2005 LH_{2}	15.6	X	293.77982	106.03957	173.51160	8.45057	0.2099076	0.17574008	3.1566190	21	3 9.4	20.1
236088 2005 LZ_{10}	15.7	X	285.10024	86.61634	183.04030	8.57341	0.2038773	0.17301508	3.1896772	21	2 16.4	20.6
236089 2005 LB_{41}	16.3	X	340.07663	115.28676	157.61956	3.44007	0.1986100	0.18341587	3.0679253	21	5 9.9	19.6
236090 2005 LM_{45}	16.0	X	98.05503	36.68881	187.20469	8.51383	0.1474360	0.19703965	2.9248278	21	9 12.0	20.5
236091 2005 LO_{51}	15.6	X	282.06328	118.54037	170.41310	9.94056	0.1993613	0.17520872	3.1629979	21	3 9.8	20.3
236092 2005 MN_{10}	16.0	X	350.53875	53.65842	189.59012	5.13701	0.1186363	0.18170123	3.0871955	21	4 26.2	19.6
236093 2005 MQ_{10}	15.9	X	275.42606	181.41864	132.50545	5.35092	0.1235440	0.17914521	3.1164913	21	4 12.9	20.5
236094 2005 MV_{34}	16.8	X	133.40836	55.06074	306.29872	8.29460	0.2132780	0.27557213	2.3387252	21	1 11.7	19.8
236095 2005 NB	15.6	X	171.19044	110.29260	234.54848	21.25758	0.3297641	0.28034779	2.3120894	21	1 28.8	20.1
236096 2005 NM_{36}	15.3	X	295.42277	118.20949	184.06196	12.73861	0.1030416	0.18049825	3.1008974	21	4 24.9	19.7
236097 2005 NS_{88}	17.4	X	201.04034	117.74880	262.51150	1.73390	0.1555975	0.29197521	2.2502913	21	4 5.5	20.9
236098 2005 OD_{8}	14.6	X	300.59963	38.54724	249.09110	26.71357	0.1540940	0.17125432	3.2115032	21	3 27.4	19.6
236099 2005 OV_{28}	15.5	X	302.31098	276.07392	47.38934	10.19073	0.2444596	0.17774400	3.1328487	21	5 8.0	19.6
236100 2005 PY_{14}	13.9	X	345.31229	227.80459	124.90405	10.55567	0.1902847	0.12254679	4.0142223	21	9 7.5	18.5
236101 2005 QK_{2}	15.5	X	311.72472	150.48665	170.23899	10.55373	0.2167465	0.17830516	3.1262721	21	5 24.5	19.6
236102 2005 QQ_{51}	16.3	X	317.83397	84.30749	213.59546	6.01768	0.1289883	0.17735449	3.1374340	21	5 15.4	20.4
236103 2005 QQ_{53}	15.0	X	22.86993	164.92371	145.03401	3.61131	0.2040374	0.12460025	3.9699963	21	9 22.5	19.8
236104 2005 QJ_{71}	17.2	X	245.44543	239.38495	168.99588	23.45646	0.2737530	0.29700223	2.2248270	21	6 18.6	21.3
236105 2005 QJ_{75}	17.9	X	313.46212	36.72213	347.92145	3.91498	0.1009497	0.30854131	2.1690047	21	9 19.3	19.7
236106 2005 QU_{84}	16.8	X	275.73661	35.75053	325.64862	9.12430	0.1720966	0.29839619	2.2178927	21	5 26.2	19.8
236107 2005 QE_{94}	15.1	X	256.14583	197.13189	148.71399	10.80140	0.0748793	0.17172551	3.2056259	21	5 8.0	19.9
236108 2005 QB_{96}	15.1	X	322.34666	131.73972	183.80731	13.52837	0.1731405	0.17780843	3.1320918	21	6 9.3	19.2
236109 2005 QG_{113}	17.5	X	250.54062	289.34351	128.18265	3.41526	0.1240929	0.30101310	2.2050196	21	7 23.2	20.3
236110 2005 QO_{190}	17.3	X	160.45141	244.66548	96.10635	5.68759	0.2550116	0.27717575	2.3296958	21	1 18.2	20.8
236111 Wolfgangbüttner	17.5	X	344.79492	7.70263	356.84741	5.77628	0.1719750	0.30768055	2.1730482	21	10 23.3	18.8
236112 2005 SP_{7}	17.4	X	190.29639	303.03029	211.13851	3.54365	0.1046658	0.30544744	2.1836267	21	9 26.0	20.2
236113 2005 SC_{21}	16.7	X	149.90683	289.50895	37.66681	6.89516	0.2646506	0.27020380	2.3696002	21	—	—
236114 2005 SL_{61}	14.6	X	57.49822	276.11199	28.26523	3.13195	0.1889089	0.12535222	3.9541034	21	10 31.8	20.1
236115 2005 SZ_{103}	17.0	X	198.53914	46.87087	333.25293	6.33659	0.2005956	0.28431815	2.2905142	21	4 2.5	20.8
236116 2005 SX_{104}	14.5	X	207.98614	109.70030	226.72756	12.80338	0.2087840	0.15543917	3.4258032	21	2 26.3	20.5
236117 2005 SA_{112}	17.2	X	338.83932	10.85477	310.40972	7.06674	0.1436796	0.30274994	2.1965782	21	7 23.8	18.8
236118 2005 SJ_{116}	14.5	X	50.85434	334.63247	338.95852	4.59547	0.1745874	0.12630685	3.9341548	21	10 31.1	19.9
236119 2005 SE_{124}	14.6	X	52.03271	117.21599	180.96656	9.19634	0.2038625	0.12564843	3.9478867	21	10 21.7	20.0
236120 2005 SS_{137}	17.4	X	285.03071	194.65362	181.44207	2.29261	0.1296122	0.29883341	2.2157288	21	7 9.8	19.8
236121 2005 SZ_{143}	17.9	X	223.87763	297.84063	149.38765	4.25514	0.1200253	0.29985069	2.2107146	21	8 1.4	20.9
236122 2005 SQ_{151}	17.2	X	35.71069	266.83740	168.53768	3.31527	0.1224427	0.26429785	2.4047705	21	—	—
236123 2005 SQ_{157}	18.2	X	246.62573	63.08526	58.27543	1.52872	0.0461749	0.31034964	2.1605711	21	11 3.0	20.3
236124 2005 SZ_{190}	17.1	X	247.08212	222.72041	187.11647	8.75720	0.2118551	0.29566183	2.2315462	21	6 26.4	20.5
236125 2005 SA_{215}	16.6	X	257.90761	145.04137	240.76850	6.95256	0.1545744	0.29595336	2.2300805	21	6 12.5	19.6
236126 2005 SB_{272}	14.5	X	16.55730	206.18171	120.56157	9.83142	0.2227372	0.12368218	3.9896177	21	10 7.8	19.2
236127 2005 SH_{291}	18.1	X	330.66592	259.58398	147.37404	2.33259	0.0771606	0.31254006	2.1504644	21	11 29.1	20.0
236128 2005 TK_{14}	16.7	X	188.36225	128.45824	286.87296	7.72806	0.1806641	0.28554224	2.2839634	21	5 8.7	20.4
236129 Oysterbay	17.6	X	244.20927	19.71717	24.54479	2.91076	0.1857623	0.29786020	2.2205526	21	6 18.7	20.7
236130 2005 TW_{24}	17.4	X	14.00976	88.40603	33.02818	5.04797	0.1684587	0.26527949	2.3988344	21	—	—
236131 2005 TM_{29}	16.8	X	336.23235	205.08269	164.69239	4.42098	0.1399963	0.30581163	2.1818927	21	10 13.4	18.2
236132 2005 TB_{40}	17.3	X	202.40901	89.99221	57.97214	6.16612	0.0849570	0.30499629	2.1857795	21	10 7.5	20.1
236133 2005 TC_{45}	17.6	X	165.17381	58.66277	22.03540	7.27400	0.2430697	0.28571382	2.2830489	21	5 23.7	21.5
236134 2005 TX_{57}	17.1	X	227.60903	57.24935	30.11642	7.29525	0.1163595	0.29888039	2.2154967	21	8 10.5	20.1
236135 2005 TE_{112}	17.3	X	57.73861	200.12514	327.01517	2.39921	0.0969849	0.28598345	2.2816137	21	4 19.5	19.5
236136 2005 TH_{168}	18.1	X	175.12028	138.65022	5.99547	3.25022	0.0729433	0.29979343	2.2109961	21	8 28.8	20.9
236137 2005 TN_{180}	17.2	X	207.86696	101.62691	27.45574	6.47056	0.0254609	0.30577799	2.1820527	21	9 24.1	19.6
236138 2005 UJ_{4}	16.2	X	102.76800	295.66547	215.83313	22.59018	0.1723809	0.28398108	2.2923263	21	6 17.5	19.7
236139 2005 UE_{17}	17.5	X	254.36481	48.58742	356.79655	3.93109	0.1616603	0.29646499	2.2275140	21	7 5.8	20.3
236140 2005 US_{18}	17.1	X	163.09113	23.26039	78.00195	3.66648	0.1165421	0.28750825	2.2735395	21	6 13.9	20.4
236141 2005 UG_{52}	17.8	X	291.90778	49.76870	330.82847	3.61315	0.1650287	0.30008911	2.2095435	21	7 23.1	20.0
236142 2005 UC_{64}	16.8	X	216.51748	312.17420	111.35889	5.92479	0.0846642	0.29144475	2.2530209	21	6 23.4	19.9
236143 2005 UM_{96}	17.3	X	51.67015	82.26848	179.65229	3.62647	0.0672312	0.29926840	2.2135813	21	8 31.0	19.7
236144 2005 UU_{103}	17.5	X	118.37545	23.46307	137.21404	1.89849	0.0830163	0.28990783	2.2609767	21	7 10.8	20.3
236145 2005 UK_{105}	17.4	X	229.04866	17.47625	69.28601	6.39634	0.0905283	0.29683606	2.2256572	21	8 13.8	20.4
236146 2005 UA_{109}	17.2	X	324.21645	238.46367	127.34311	5.91515	0.1680820	0.30480067	2.1867146	21	9 6.6	18.5
236147 2005 UG_{151}	16.7	X	278.22984	150.94083	40.69487	5.62225	0.0537867	0.26145654	2.4221612	21	—	—
236148 2005 UT_{152}	17.0	X	90.62605	68.70063	46.11287	7.34626	0.0794785	0.27752182	2.3277587	21	3 30.0	19.6
236149 2005 UD_{171}	17.6	X	184.94677	274.37508	244.65494	3.61429	0.1005159	0.30132720	2.2034870	21	9 25.5	20.6
236150 2005 UN_{177}	18.0	X	297.10955	1.19929	19.80652	2.59370	0.1447493	0.29980417	2.2109433	21	8 6.4	19.9
236151 2005 UU_{199}	17.8	X	310.68130	347.22821	54.00979	4.78487	0.1248470	0.30524560	2.1845892	21	10 10.9	19.5
236152 2005 UF_{222}	18.0	X	145.93231	229.88412	288.80406	1.92317	0.0862700	0.29607993	2.2294449	21	8 11.7	21.0
236153 2005 UC_{233}	17.6	X	181.64996	318.07683	126.65026	2.41455	0.1717946	0.28824710	2.2696528	21	6 12.4	21.1
236154 2005 UM_{245}	17.2	X	164.56578	121.26685	354.11083	4.63494	0.0777275	0.28935274	2.2638674	21	7 4.5	20.4
236155 2005 UL_{251}	17.1	X	172.55444	88.24390	359.12703	4.05048	0.1261266	0.28701793	2.2761281	21	6 5.0	20.4
236156 2005 UL_{291}	17.4	X	38.03711	323.91396	10.91420	5.41501	0.0149857	0.30896647	2.1670145	21	11 17.9	19.9
236157 2005 UB_{344}	17.4	X	202.05457	119.64556	5.88243	5.23666	0.1297094	0.29891936	2.2153041	21	8 30.9	20.5
236158 2005 UY_{353}	16.8	X	185.10643	229.35770	261.53321	5.74884	0.1095591	0.29651415	2.2272678	21	8 16.2	20.0
236159 2005 UR_{355}	17.9	X	102.04439	161.70871	95.72673	3.36186	0.0923512	0.30514602	2.1850644	21	11 7.3	20.7
236160 2005 UM_{371}	17.3	X	339.39270	115.98239	248.58531	1.64353	0.0235032	0.30264427	2.1970895	21	10 4.9	19.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
236161 2005 UQ_{409}	17.5	X	218.83844	41.45752	72.80960	3.49314	0.0909628	0.30058770	2.2070995	21	9 8.7	20.3
236162 2005 UE_{427}	17.8	X	164.22824	278.41993	267.32240	4.65115	0.0942541	0.30220783	2.1992043	21	10 8.1	20.9
236163 2005 UW_{432}	18.1	X	216.75672	267.09327	209.52719	2.44934	0.0947986	0.29878868	2.2159500	21	9 5.7	20.9
236164 2005 UU_{445}	17.0	X	80.22275	163.71435	69.38689	10.03992	0.0519713	0.29626327	2.2285250	21	9 3.9	19.9
236165 2005 UR_{453}	16.9	X	349.83479	306.14517	261.77985	6.09032	0.0644856	0.26793555	2.3829549	21	2 23.2	19.8
236166 2005 UN_{454}	16.6	X	120.38698	355.50399	85.47447	7.34351	0.1652310	0.27613672	2.3355362	21	4 8.1	19.7
236167 2005 US_{459}	17.2	X	126.50219	210.11125	241.53720	4.36856	0.1303749	0.27859851	2.3217575	21	4 20.1	20.2
236168 2005 UF_{461}	17.2	X	122.04358	319.51229	250.35316	4.96878	0.1264479	0.29749152	2.2223868	21	9 24.5	20.3
236169 2005 UD_{473}	17.3	X	87.10840	144.10958	19.27199	3.02043	0.1362567	0.28244805	2.3006135	21	6 9.6	19.9
236170 Cholnoky	17.2	X	106.29700	153.95366	32.83214	4.75116	0.1307770	0.28846375	2.2685162	21	8 10.1	20.2
236171 2005 VK_{14}	17.8	X	206.21554	290.56123	136.65385	1.98600	0.1858748	0.29041643	2.2583362	21	6 12.1	21.4
236172 2005 VY_{29}	16.6	X	349.17270	45.19279	69.34042	8.71962	0.0728264	0.25847338	2.4407624	21	—	—
236173 2005 VU_{32}	17.8	X	73.71397	67.65159	119.79968	1.46310	0.0953055	0.28520287	2.2857749	21	6 18.3	20.2
236174 2005 VV_{32}	16.8	X	90.83542	274.29004	234.32870	10.32254	0.1687809	0.27981462	2.3150255	21	5 30.6	19.5
236175 2005 VD_{37}	17.4	X	205.52436	253.07717	145.43008	5.74814	0.1565655	0.28708154	2.2757918	21	5 7.2	20.9
236176 2005 VP_{38}	16.9	X	24.88082	185.71499	121.28714	4.00509	0.1796543	0.30362373	2.1923619	21	10 18.0	18.9
236177 2005 VS_{56}	16.6	X	297.68486	270.25817	84.85275	7.52276	0.1462330	0.29596381	2.2300280	21	6 25.2	18.7
236178 2005 VS_{60}	17.5	X	17.45709	70.12761	247.31905	2.81341	0.1612746	0.30501913	2.1856704	21	10 14.1	19.2
236179 2005 VN_{78}	17.7	X	241.76924	254.19506	158.59898	6.25222	0.1186686	0.29571682	2.2312695	21	7 5.3	20.6
236180 2005 VT_{80}	16.8	X	213.23649	319.33043	137.32120	5.20393	0.0596924	0.29665267	2.2265744	21	8 8.1	19.5
236181 2005 VP_{81}	17.9	X	93.70013	227.16613	198.21657	0.68522	0.1657048	0.26884441	2.3775813	21	2 4.4	20.4
236182 2005 VB_{116}	17.5	X	110.90590	107.74312	358.01688	2.79782	0.1849306	0.27808942	2.3245902	21	4 28.0	20.4
236183 2005 VC_{119}	17.7	X	290.38866	203.47429	178.06131	5.08128	0.0777889	0.29842408	2.2177545	21	8 4.4	20.0
236184 2005 WX_{3}	16.4	X	349.57035	290.98429	36.50528	23.74235	0.2535669	0.30172372	2.2015561	21	9 25.0	18.1
236185 2005 WV_{4}	17.3	X	124.19027	358.07954	86.23547	9.22495	0.2526838	0.27849033	2.3223587	21	4 27.7	20.8
236186 2005 WN_{15}	16.8	X	68.91452	111.22259	62.32158	5.94174	0.1023688	0.28144174	2.3060942	21	5 21.6	19.2
236187 2005 WG_{18}	17.1	X	137.18212	321.36872	249.87918	3.47844	0.0602766	0.30040308	2.2080037	21	10 11.9	20.1
236188 2005 WD_{33}	17.8	X	107.80284	119.25342	337.78676	2.00008	0.1578890	0.27594915	2.3365944	21	4 7.9	20.5
236189 2005 WK_{36}	17.3	X	94.31917	128.36756	95.73280	3.87003	0.0853551	0.29445631	2.2376327	21	9 11.4	20.1
236190 2005 WT_{38}	17.3	X	222.49284	210.90086	203.19717	1.96800	0.1450017	0.28860160	2.2677938	21	6 12.8	20.6
236191 2005 WM_{40}	17.6	X	141.86018	155.91017	250.79265	1.76282	0.1920662	0.27451104	2.3447480	21	3 16.7	21.1
236192 2005 WD_{43}	17.8	X	178.48901	49.08420	49.35271	1.66646	0.1830930	0.28725746	2.2748626	21	6 27.7	21.3
236193 2005 WC_{47}	17.4	X	226.20709	114.33570	264.36915	1.40124	0.1829150	0.28609345	2.2810288	21	4 27.6	20.8
236194 2005 WD_{57}	17.3	X	287.25298	186.78379	233.45111	2.13467	0.1083591	0.30320893	2.1943609	21	9 24.6	19.2
236195 2005 WX_{58}	16.8	X	1.37571	263.27152	90.94142	4.70074	0.1532793	0.30512614	2.1851593	21	11 12.1	18.5
236196 2005 WY_{58}	16.8	X	219.83037	201.92849	141.79384	2.38449	0.2766476	0.28167682	2.3048109	21	3 8.6	20.7
236197 2005 WM_{71}	16.9	X	151.14812	352.28509	57.67156	6.91842	0.1499621	0.27620315	2.3351617	21	3 30.4	20.3
236198 2005 WY_{78}	16.6	X	120.06091	11.79488	65.96511	7.03930	0.0985105	0.27382757	2.3486480	21	3 24.6	19.6
236199 2005 WJ_{79}	17.6	X	221.37552	355.31837	59.74024	2.88432	0.0881268	0.28863489	2.2676194	21	6 16.9	20.5
236200 2005 WA_{80}	16.7	X	124.20552	99.73262	75.23920	7.40170	0.0369517	0.28986504	2.2611992	21	8 5.3	19.5
236201 2005 WF_{81}	17.5	X	9.49641	104.19675	32.33413	1.23498	0.1488757	0.26268323	2.4146145	21	—	—
236202 2005 WK_{91}	17.2	X	89.73624	219.17659	291.04622	1.65702	0.1062940	0.28089798	2.3090693	21	5 19.9	19.8
236203 2005 WU_{101}	17.3	X	159.33803	327.67502	91.77855	0.87920	0.1895220	0.27922641	2.3182756	21	4 20.3	20.8
236204 2005 WL_{104}	17.2	X	102.15717	356.93666	117.33293	3.92806	0.1554412	0.27676460	2.3320026	21	4 26.8	20.0
236205 2005 WJ_{106}	18.3	X	93.56477	190.89233	125.08647	1.55437	0.1386794	0.31739835	2.1284638	21	—	—
236206 2005 WB_{118}	16.8	X	323.72473	38.40817	327.06209	5.62460	0.1801285	0.30249287	2.1978225	21	8 30.9	18.2
236207 2005 WJ_{119}	16.9	X	128.59679	61.06640	56.56677	2.32542	0.1784827	0.28028732	2.3124219	21	6 3.8	20.3
236208 2005 WS_{121}	16.5	X	14.49711	355.96575	91.96111	10.91125	0.1895661	0.25653346	2.4530517	21	—	—
236209 2005 WT_{122}	14.5	X	49.73877	117.71223	191.53246	8.39486	0.1324922	0.12637662	3.9327068	21	10 21.4	19.8
236210 2005 WC_{144}	17.3	X	129.48334	333.91815	79.61447	2.36069	0.1767035	0.27309750	2.3528319	21	3 12.5	20.4
236211 2005 WZ_{150}	17.1	X	181.97204	28.74121	32.38916	2.81855	0.1457010	0.28291303	2.2980920	21	5 11.5	20.5
236212 2005 WW_{156}	17.2	X	48.92831	30.57398	72.60563	3.09170	0.1743405	0.26446714	2.4037442	21	1 5.5	19.2
236213 2005 WW_{157}	16.9	X	80.61147	23.50493	96.55078	5.19588	0.1368565	0.27043141	2.3682704	21	4 1.1	19.4
236214 2005 WZ_{157}	16.4	X	284.89163	30.45160	67.31672	27.25725	0.2392438	0.23983359	2.5656419	21	10 29.4	19.6
236215 2005 WQ_{166}	18.3	X	229.76416	311.71713	139.36377	0.58510	0.0457500	0.29688233	2.2254260	21	8 24.5	20.7
236216 2005 WQ_{171}	17.4	X	300.83834	170.27190	199.55439	1.37416	0.1833487	0.29714800	2.2240993	21	7 17.2	19.3
236217 2005 WB_{176}	17.5	X	74.56749	179.44872	329.01311	1.92405	0.1792868	0.27379485	2.3488351	21	5 6.0	19.8
236218 2005 WT_{176}	17.4	X	8.98679	88.65299	54.56872	3.23491	0.1570683	0.26155775	2.4215363	21	—	—
236219 2005 WX_{183}	17.3	X	140.08583	159.74389	295.32293	4.61911	0.1575729	0.28001837	2.3139024	21	5 13.4	20.7
236220 2005 WJ_{184}	15.5	X	180.42003	125.31172	37.03756	14.00666	0.3146149	0.22474523	2.6792242	21	9 20.4	20.6
236221 2005 WP_{188}	15.4	X	96.78831	76.71536	339.26518	8.92928	0.0992562	0.19199486	2.9758405	21	2 5.3	19.3
236222 2005 WT_{193}	17.2	X	192.84273	27.19722	47.26664	3.58283	0.1398178	0.28552723	2.2840434	21	6 9.4	20.6
236223 2005 WA_{202}	17.0	X	123.05923	29.79249	60.11840	2.94194	0.1576913	0.27582570	2.3372916	21	4 19.3	20.0
236224 2005 XE_{2}	17.5	X	90.28569	201.87779	73.10601	4.30151	0.0608326	0.30557351	2.1830260	21	11 13.5	20.0
236225 2005 XE_{29}	17.2	X	182.90198	37.33320	356.43298	3.85304	0.1637450	0.27991449	2.3144748	21	4 6.9	20.6
236226 2005 XL_{55}	17.3	X	134.51895	289.30068	176.26905	9.42605	0.2271528	0.28074806	2.3098913	21	5 31.0	21.0
236227 2005 XP_{61}	17.7	X	84.40738	238.70539	345.09711	0.36265	0.0966451	0.29019218	2.2594995	21	8 27.9	20.3
236228 2005 XK_{67}	17.2	X	132.28577	226.88746	266.72542	2.97016	0.1048224	0.28710364	2.2756751	21	6 22.4	20.2
236229 2005 XC_{69}	17.7	X	112.06865	229.33405	333.53652	1.72081	0.1472817	0.29288270	2.2456405	21	9 7.7	20.8
236230 2005 XM_{75}	17.3	X	125.07137	157.99168	352.34329	2.70286	0.0963232	0.28414238	2.2914587	21	7 6.7	20.2
236231 2005 XX_{79}	16.9	X	307.17152	103.41714	1.40968	3.77028	0.0820808	0.23779765	2.5802652	21	12 22.2	19.8
236232 2005 XD_{112}	17.7	X	45.37062	127.56782	322.83471	0.63139	0.1474069	0.25824832	2.4421802	21	—	—
236233 2005 YT_{4}	17.6	X	344.17886	54.99398	302.25405	3.63609	0.1998117	0.30303634	2.1951940	21	10 9.6	18.9
236234 2005 YJ_{18}	17.4	X	148.17309	77.47602	74.16991	7.10702	0.0611348	0.29182799	2.2510480	21	8 5.7	20.4
236235 2005 YT_{28}	16.1	X	6.09710	246.97967	105.26959	11.70457	0.1500892	0.23714742	2.5849796	21	11 5.7	19.1
236236 2005 YB_{37}	17.4	X	134.13232	223.56467	268.63983	2.02662	0.1400042	0.28261055	2.2997315	21	6 26.2	20.4
236237 2005 YJ_{42}	16.8	X	74.32426	252.85168	279.00479	5.73035	0.0430341	0.28162225	2.3051087	21	5 16.9	19.4
236238 2005 YU_{47}	17.2	X	79.12884	127.49390	359.92751	3.60666	0.1456835	0.27074011	2.3664699	21	4 6.9	19.5
236239 2005 YF_{49}	17.7	X	46.21868	4.16392	156.02075	1.14701	0.1156151	0.26892066	2.3771318	21	3 24.8	20.0
236240 2005 YX_{51}	17.4	X	67.62308	25.63473	142.12608	2.42627	0.1183710	0.27555720	2.3388096	21	5 14.6	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
236241 2005 YA_{52}	16.2	X	86.22255	168.47015	103.59512	6.46349	0.1409199	0.23142173	2.6274429	21	11 4.8	20.1
236242 2005 YH_{66}	17.2	X	176.08036	16.66751	74.51929	3.75298	0.1418090	0.28309040	2.2971320	21	6 15.0	20.4
236243 2005 YQ_{76}	17.2	X	1.37943	91.13517	62.69327	3.22347	0.1380934	0.26122712	2.4235792	21	—	—
236244 2005 YL_{89}	17.0	X	353.62761	271.20420	255.99018	0.50135	0.1215887	0.26103701	2.4247557	21	—	—
236245 2005 YD_{90}	17.1	X	29.09703	25.71999	123.43424	5.55149	0.1661195	0.26363627	2.4087919	21	2 2.7	19.1
236246 2005 YE_{91}	16.3	X	273.91466	95.82242	270.45032	4.18693	0.0746767	0.22085729	2.7105758	21	6 19.6	19.9
236247 2005 YH_{91}	17.2	X	205.53710	266.43606	137.38250	4.47714	0.0726040	0.27930563	2.3178372	21	5 15.9	20.5
236248 2005 YT_{92}	17.3	X	26.59020	115.07349	140.25283	2.79122	0.1773709	0.28193299	2.3034146	21	7 22.5	19.1
236249 2005 YS_{97}	16.9	X	36.27216	132.70548	64.50986	3.35086	0.1588476	0.27386352	2.3484425	21	5 5.3	18.8
236250 2005 YB_{113}	17.5	X	34.19648	45.56059	110.96559	3.27842	0.1231958	0.26776667	2.3839568	21	2 25.4	19.6
236251 2005 YM_{113}	16.8	X	324.99459	234.36841	32.44359	3.92869	0.1556568	0.27447727	2.3449403	21	3 29.5	19.2
236252 2005 YR_{119}	16.9	X	87.89734	255.78395	254.07971	3.73967	0.1757880	0.27529815	2.3402766	21	5 29.2	19.5
236253 2005 YQ_{125}	16.7	X	96.48726	158.36406	315.57514	5.21259	0.0863786	0.27255868	2.3559317	21	4 2.4	19.6
236254 2005 YS_{135}	16.7	X	0.84070	105.10050	85.48262	7.61592	0.0660058	0.26785580	2.3834279	21	2 22.6	19.5
236255 2005 YO_{141}	16.8	X	296.69063	316.27148	309.18365	6.01122	0.0943291	0.26939269	2.3743542	21	2 23.9	20.0
236256 2005 YX_{141}	17.3	X	8.31352	261.44371	328.28274	2.94077	0.1074822	0.27497561	2.3421063	21	4 25.1	19.6
236257 2005 YK_{143}	17.4	X	10.58707	204.45263	345.73394	1.80163	0.1205513	0.26607874	2.3940282	21	3 2.1	19.7
236258 2005 YX_{143}	16.8	X	137.67027	262.11894	105.82967	3.26738	0.1998392	0.26229447	2.4169999	21	1 25.5	20.2
236259 2005 YF_{144}	17.2	X	319.05583	258.94100	331.28839	1.43044	0.1210564	0.26396027	2.4068204	21	2 4.7	20.3
236260 2005 YC_{150}	17.0	X	48.67409	152.94931	352.42276	2.96833	0.1362362	0.26758638	2.3850275	21	3 8.5	18.9
236261 2005 YD_{153}	16.7	X	3.05726	78.70320	80.50068	3.75441	0.1380157	0.25986321	2.4320520	21	1 2.6	19.3
236262 2005 YQ_{153}	17.6	X	175.19698	41.79057	53.33964	1.99346	0.1680512	0.28411730	2.2915936	21	6 19.9	21.1
236263 2005 YV_{153}	16.5	X	358.73205	105.29124	72.48292	2.94069	0.1519042	0.26170729	2.4206138	21	1 19.5	18.9
236264 2005 YX_{163}	16.9	X	119.54604	166.07772	295.32679	4.60197	0.1681060	0.27561765	2.3384677	21	4 29.4	20.1
236265 2005 YR_{164}	17.2	X	242.58001	150.11672	134.96488	4.19884	0.1331426	0.26475287	2.4020144	21	1 19.3	20.8
236266 2005 YS_{181}	16.1	X	22.22370	92.98298	42.09325	13.65812	0.1146264	0.25984761	2.4321493	21	1 5.0	18.9
236267 2005 YC_{182}	17.4	X	89.02787	83.87802	59.47944	3.95406	0.1406566	0.27595306	2.3365724	21	5 15.6	20.2
236268 2005 YJ_{184}	17.1	X	271.69904	126.99252	147.94039	7.30603	0.0851324	0.26717829	2.3874554	21	2 8.9	20.3
236269 2005 YN_{191}	16.6	X	191.78699	334.43774	320.78959	4.00380	0.1897230	0.25442433	2.4665900	21	—	—
236270 2005 YZ_{192}	17.4	X	71.49591	358.49017	107.71777	4.11819	0.1041167	0.26508656	2.3999982	21	2 19.1	19.8
236271 2005 YK_{193}	17.4	X	104.52395	338.55118	114.61618	3.25961	0.1723391	0.27003161	2.3706075	21	4 3.8	20.3
236272 2005 YL_{196}	17.3	X	149.72744	109.53059	341.33017	2.08584	0.1714412	0.27951929	2.3166559	21	5 19.8	20.7
236273 2005 YB_{204}	17.0	X	5.39261	246.02175	316.14899	1.34759	0.1653490	0.26634382	2.3924395	21	3 4.9	19.2
236274 2005 YB_{225}	17.1	X	99.10858	58.19964	81.72691	3.55013	0.1091126	0.27817121	2.3241345	21	5 20.2	19.8
236275 2005 YG_{241}	17.6	X	2.07875	122.62820	75.22698	2.38446	0.1237640	0.26668661	2.3903889	21	2 26.7	19.8
236276 2005 YU_{243}	17.2	X	208.61400	15.29918	330.60409	5.04906	0.2206254	0.27362344	2.3498159	21	3 2.5	21.1
236277 2005 YS_{247}	17.0	X	301.83851	204.89273	103.12047	3.98452	0.1734943	0.27684082	2.3315745	21	4 20.7	19.8
236278 2005 YE_{251}	17.2	X	236.88615	59.72080	238.14373	2.25199	0.0938110	0.26431892	2.4046427	21	1 30.3	20.7
236279 2005 YM_{268}	16.3	X	332.58332	93.18025	126.65882	6.82460	0.0642948	0.26569253	2.3963476	21	2 19.1	19.1
236280 2005 YH_{291}	16.9	X	247.03492	134.57078	138.71955	5.13650	0.1655174	0.26054954	2.4277791	21	1 8.6	20.7
236281 2006 AH_{1}	16.8	X	149.04234	288.73647	128.89775	7.70718	0.0914720	0.27294330	2.3537180	21	4 1.6	20.0
236282 2006 AF_{11}	17.6	X	359.45090	109.36003	127.01441	1.92855	0.1466510	0.27311244	2.3527461	21	4 17.7	19.5
236283 2006 AL_{11}	16.6	X	21.64515	78.48426	128.23156	7.03421	0.0456001	0.27114836	2.3640939	21	4 20.8	19.3
236284 2006 AV_{12}	17.0	X	343.23727	140.65124	42.75852	2.44313	0.1164570	0.26191436	2.4193378	21	1 8.0	19.7
236285 2006 AF_{14}	16.9	X	148.08866	274.08248	137.33843	1.93945	0.0584822	0.26902277	2.3765303	21	3 16.7	20.1
236286 2006 AY_{37}	16.5	X	251.29755	227.07096	351.02847	3.80705	0.2416150	0.23971929	2.5664574	21	—	—
236287 2006 AD_{38}	17.0	X	314.59143	91.27762	152.76639	1.57632	0.1554066	0.26622611	2.3931447	21	2 11.3	20.0
236288 2006 AQ_{43}	17.7	X	13.86575	136.92347	29.48937	2.88745	0.1497597	0.26491566	2.4010302	21	1 30.5	19.9
236289 2006 AW_{52}	17.1	X	113.96232	122.80141	148.08974	4.30208	0.1610627	0.30039196	2.2080582	21	12 9.8	20.5
236290 2006 AP_{55}	17.2	X	12.62385	33.38965	183.02481	3.28160	0.2067297	0.27007655	2.3703445	21	4 10.6	18.6
236291 2006 AC_{56}	17.1	X	276.11617	240.34783	137.66786	4.86160	0.2308302	0.22681561	2.6628953	21	6 15.4	20.8
236292 2006 AD_{57}	16.5	X	21.26834	136.39373	353.62415	10.58898	0.1959508	0.26023949	2.4297071	21	—	—
236293 2006 AF_{57}	17.6	X	3.91743	122.16991	90.14422	2.18212	0.1382828	0.26966908	2.3727316	21	3 21.7	19.7
236294 2006 AS_{63}	17.1	X	17.31820	352.86202	187.23398	1.00185	0.1252417	0.26484023	2.4014861	21	2 27.3	19.2
236295 2006 AE_{66}	16.5	X	296.34171	306.19800	172.66529	4.68204	0.1308764	0.23806002	2.5783690	21	12 20.3	19.3
236296 2006 AU_{71}	17.3	X	317.34360	19.39845	254.94323	2.67374	0.0823365	0.27276544	2.3547411	21	4 7.6	19.9
236297 2006 AR_{73}	16.2	X	14.27583	167.40840	126.44059	23.90673	0.1653291	0.28683636	2.2770885	21	9 2.2	18.3
236298 2006 AK_{74}	16.9	X	16.51694	77.24932	90.03759	3.37815	0.1825452	0.26263871	2.4148874	21	2 3.1	19.0
236299 2006 AC_{78}	17.1	X	11.70177	297.24428	226.15340	1.74920	0.1568971	0.26225111	2.4172663	21	1 20.1	19.3
236300 2006 AH_{91}	17.6	X	56.74752	325.66497	163.42747	2.52776	0.1724418	0.26666465	2.3905202	21	3 3.4	19.6
236301 2006 AA_{96}	17.6	X	323.03167	346.77342	280.05546	1.80899	0.1126827	0.27152423	2.3619117	21	3 31.9	20.3
236302 2006 AA_{98}	15.9	X	325.77063	150.73698	123.21004	13.93331	0.1328783	0.20946121	2.8080208	21	4 28.0	19.6
236303 2006 AT_{100}	17.1	X	299.65021	220.00647	123.87496	4.59748	0.2390325	0.28609211	2.2810360	21	5 26.9	19.6
236304 2006 AJ_{106}	17.2	X	356.22024	162.47172	34.41323	2.44851	0.1216290	0.26619410	2.3933365	21	2 15.2	19.5
236305 Adamriess	17.1	X	189.91751	286.19414	112.70825	7.84124	0.1185924	0.27512886	2.3412365	21	4 24.2	20.7
236306 2006 BM_{1}	17.6	X	5.01396	153.50553	327.79162	2.12186	0.1700023	0.25516590	2.4618087	21	—	—
236307 2006 BF_{9}	17.1	X	34.87964	216.70796	7.14641	2.21590	0.1639234	0.27505794	2.3416389	21	6 15.7	18.9
236308 2006 BH_{9}	17.2	X	22.30622	286.55081	189.85199	4.13598	0.1543543	0.25866383	2.4395642	21	—	—
236309 2006 BL_{9}	17.2	X	84.20452	320.54801	186.08268	5.45826	0.1558008	0.27318095	2.3523527	21	5 17.0	19.8
236310 2006 BU_{20}	17.8	X	36.21378	190.24358	268.80161	0.55466	0.1444035	0.25747671	2.4470570	21	—	—
236311 2006 BX_{21}	17.7	X	81.31019	329.46243	178.62771	1.28601	0.1268725	0.27223879	2.3577769	21	5 8.8	20.2
236312 2006 BV_{22}	16.8	X	301.49072	282.78805	332.47742	2.27173	0.1413212	0.26437657	2.4042931	21	2 12.4	20.0
236313 2006 BA_{24}	16.6	X	33.26437	192.16837	288.35105	7.43129	0.0830589	0.25958515	2.4337884	21	1 4.7	19.3
236314 2006 BA_{32}	16.5	X	345.08767	135.37670	106.52843	3.01969	0.0875101	0.26944604	2.3740408	21	4 7.4	18.9
236315 2006 BJ_{34}	16.6	X	278.70138	117.01122	141.97659	2.96829	0.1665079	0.25668335	2.4520967	21	1 21.2	20.3
236316 2006 BO_{38}	17.1	X	203.79899	97.38407	151.37494	1.54445	0.1085754	0.24266117	2.5456724	21	—	—
236317 2006 BR_{45}	17.2	X	301.79083	280.24229	318.46993	4.20597	0.0966708	0.25904615	2.4371632	21	1 29.5	20.3
236318 2006 BF_{47}	16.4	X	21.84792	40.92662	141.61280	1.76245	0.1200348	0.26506220	2.4001452	21	3 12.8	18.6
236319 2006 BL_{54}	16.8	X	263.99425	315.55269	341.60003	1.90519	0.1632820	0.26191693	2.4193220	21	2 22.9	20.5
236320 2006 BO_{56}	16.0	X	80.13694	250.71400	21.75404	11.54795	0.1150871	0.23069942	2.6329243	21	10 22.8	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
236321 2006 BR_{61}	15.9	X	242.64941	358.20062	348.48904	25.79406	0.2208168	0.27684654	2.3315424	21	3 24.3	20.0
236322 2006 BS_{71}	16.8	X	176.90780	268.29570	96.28554	7.92612	0.0895768	0.26459114	2.4029931	21	2 23.5	20.3
236323 2006 BF_{81}	16.8	X	315.74456	104.90620	344.24242	13.26773	0.1503684	0.23919824	2.5701831	21	12 12.4	19.6
236324 2006 BK_{81}	16.6	X	219.30537	232.82048	71.02435	3.49933	0.1723660	0.25473792	2.4645652	21	1 22.9	20.6
236325 2006 BK_{82}	17.6	X	246.81443	63.57776	153.89106	1.69601	0.1330754	0.24525586	2.5276860	21	—	—
236326 2006 BR_{82}	17.5	X	90.21436	15.95522	152.11688	1.97162	0.1472146	0.27973334	2.3154739	21	6 23.3	20.4
236327 2006 BG_{84}	17.6	X	32.27110	189.48657	12.71495	1.47701	0.1268138	0.27166981	2.3610678	21	5 1.5	19.7
236328 2006 BW_{87}	16.8	X	11.55390	208.16666	2.95519	2.16832	0.1365221	0.26807702	2.3821165	21	4 3.1	18.9
236329 2006 BD_{90}	16.6	X	192.08551	96.20594	339.26494	3.75950	0.0591258	0.21560287	2.7544381	21	6 12.8	20.7
236330 2006 BA_{92}	16.7	X	21.62079	70.34198	106.47145	3.40784	0.1257318	0.26637221	2.3922695	21	3 4.3	18.9
236331 2006 BF_{93}	17.0	X	219.29713	247.66540	334.48899	11.36739	0.1714815	0.24014924	2.5633932	21	—	—
236332 2006 BT_{93}	17.1	X	128.32480	168.08182	204.60348	1.05724	0.0253875	0.25398461	2.4694360	21	—	—
236333 2006 BF_{95}	16.7	X	310.60414	349.63713	304.07820	1.74117	0.2062058	0.26876123	2.3780718	21	4 5.4	19.7
236334 2006 BE_{102}	17.2	X	71.65203	66.03248	286.66942	2.22419	0.0410474	0.24217039	2.5491106	21	—	—
236335 2006 BZ_{111}	17.1	X	244.78356	10.06694	66.74901	1.83992	0.2098779	0.22762815	2.6565545	21	7 30.7	21.1
236336 2006 BA_{117}	16.9	X	181.06380	271.03113	162.04588	4.70830	0.0469016	0.21143378	2.7905286	21	5 29.1	20.9
236337 2006 BF_{117}	16.9	X	276.93316	139.20912	166.32323	2.85232	0.0701505	0.26828558	2.3808818	21	3 30.4	19.9
236338 2006 BF_{119}	17.0	X	290.08263	3.84793	256.66388	2.60236	0.1649927	0.26020681	2.4299105	21	2 2.8	20.6
236339 2006 BV_{125}	17.3	X	107.77324	55.42184	345.00735	6.52168	0.0883498	0.25654259	2.4529935	21	1 15.3	20.3
236340 2006 BW_{125}	17.5	X	42.16656	131.60635	357.37214	1.82233	0.1584051	0.26225213	2.4172600	21	1 31.7	19.5
236341 2006 BG_{126}	17.3	X	134.03925	253.50040	150.01769	2.77776	0.1932289	0.26426777	2.4049529	21	3 6.9	20.8
236342 2006 BQ_{127}	17.2	X	206.08083	302.35219	287.70189	1.76884	0.1745128	0.23930660	2.5694072	21	—	—
236343 2006 BV_{131}	16.7	X	205.86070	267.96130	335.05124	7.31360	0.1522877	0.24052459	2.5607257	21	—	—
236344 2006 BM_{132}	17.1	X	186.90039	273.68677	297.91051	2.44603	0.0209542	0.23449231	2.6044557	21	12 4.8	20.5
236345 2006 BR_{135}	16.1	X	80.27784	245.90140	334.86830	8.53942	0.1361793	0.21556808	2.7547345	21	8 20.0	19.9
236346 2006 BT_{138}	16.9	X	281.24037	95.92057	173.27869	1.22622	0.1741275	0.25971648	2.4329679	21	2 4.1	20.6
236347 2006 BX_{140}	16.1	X	304.18980	268.70562	337.69096	12.31735	0.1868389	0.25963198	2.4334957	21	2 1.5	19.5
236348 2006 BA_{154}	16.4	X	15.36884	15.90588	168.82745	7.77194	0.1023546	0.26383270	2.4075961	21	3 4.2	18.9
236349 2006 BC_{156}	16.1	X	217.82850	268.96898	140.65332	5.07439	0.0726019	0.21419479	2.7664964	21	6 9.2	20.2
236350 2006 BP_{156}	16.8	X	349.05359	61.66296	344.50112	10.80590	0.1290401	0.23704717	2.5857083	21	12 12.6	19.8
236351 2006 BB_{157}	17.3	X	189.94778	155.56526	99.06882	2.82347	0.1255852	0.24045608	2.5612121	21	—	—
236352 2006 BE_{157}	15.9	X	94.59944	64.36614	118.57608	4.27291	0.1062451	0.21226462	2.7832420	21	7 13.6	19.8
236353 2006 BB_{162}	16.4	X	289.39234	252.62420	356.29870	7.92511	0.2020868	0.25814170	2.4428526	21	1 17.9	20.1
236354 2006 BJ_{166}	16.4	X	64.94336	336.80650	355.24248	0.51653	0.1339397	0.23639021	2.5904968	21	12 23.5	19.9
236355 2006 BY_{166}	16.7	X	261.79067	149.09603	138.91833	5.77460	0.0994228	0.26206122	2.4184338	21	2 14.6	20.2
236356 2006 BE_{179}	17.1	X	73.64345	263.70928	329.38280	2.26604	0.1313148	0.28278928	2.2987624	21	8 31.1	19.9
236357 2006 BH_{184}	16.8	X	340.61396	219.65646	337.49589	4.36836	0.1010206	0.26187836	2.4195595	21	1 25.8	19.7
236358 2006 BV_{189}	17.2	X	331.18243	171.32487	44.99550	3.16126	0.1505952	0.25918154	2.4363144	21	1 31.2	20.1
236359 2006 BE_{194}	16.9	X	305.41016	83.22825	192.18168	2.47064	0.2151922	0.26644909	2.3918094	21	3 4.1	20.1
236360 2006 BM_{197}	17.4	X	127.01846	55.30916	166.93318	4.62385	0.0489548	0.29077731	2.2564673	21	10 15.6	20.2
236361 2006 BR_{197}	16.7	X	206.62994	190.33918	167.08456	7.85231	0.0724325	0.26691111	2.3890484	21	3 15.8	20.1
236362 2006 BG_{209}	17.4	X	47.75555	311.21021	161.38374	1.44089	0.1469639	0.26156587	2.4214862	21	1 17.6	19.3
236363 2006 BK_{219}	16.7	X	250.04941	109.97721	164.61483	2.24322	0.1536028	0.25628037	2.4546664	21	1 13.9	20.6
236364 2006 BK_{220}	16.3	X	267.85771	61.05144	327.29253	6.64108	0.0471222	0.22118768	2.7078759	21	7 16.9	19.9
236365 2006 BM_{237}	17.3	X	304.05752	243.60017	33.96557	2.62181	0.1834955	0.26861457	2.3789374	21	3 11.2	20.3
236366 2006 BL_{250}	17.1	X	292.02851	341.82918	322.56365	0.99303	0.1851084	0.26967355	2.3727054	21	3 30.5	20.2
236367 2006 BM_{255}	17.3	X	327.51760	269.46131	296.80677	1.90087	0.1187958	0.25884185	2.4384455	21	1 16.6	20.0
236368 2006 BY_{256}	16.6	X	182.11588	260.70001	15.44016	2.59243	0.0782311	0.24526096	2.5276509	21	—	—
236369 2006 BT_{267}	16.9	X	28.53795	59.25149	79.22979	6.51281	0.1243434	0.26031570	2.4292328	21	1 20.7	19.2
236370 2006 BE_{275}	16.0	X	315.08185	120.53368	347.02351	21.47262	0.1509426	0.23958120	2.5674435	21	—	—
236371 2006 BD_{277}	17.6	X	84.29220	210.24600	209.80020	0.76195	0.1252402	0.25859325	2.4400080	21	1 8.9	20.0
236372 2006 BW_{278}	16.2	X	2.62051	39.16264	180.54264	3.77553	0.0526793	0.20395284	2.8583553	21	4 14.8	19.9
236373 2006 BY_{280}	16.6	X	156.91983	228.71404	123.19807	7.13223	0.1163352	0.25510415	2.4622059	21	1 17.3	19.9
236374 2006 CO_{1}	16.8	X	285.15197	205.85637	79.40124	3.17244	0.1150900	0.26694661	2.3888366	21	3 8.8	19.9
236375 2006 CT_{6}	16.7	X	9.26351	60.81262	158.85803	4.98170	0.1099446	0.26949002	2.3737825	21	4 15.4	19.0
236376 2006 CB_{16}	17.4	X	65.92311	109.19952	27.87051	2.95153	0.1260959	0.26719001	2.3873856	21	3 28.2	19.6
236377 2006 CR_{18}	16.6	X	299.31190	352.40370	302.22619	5.42653	0.1235440	0.27194872	2.3594532	21	4 1.7	19.7
236378 2006 CD_{23}	16.3	X	155.72877	235.58765	31.71627	11.81212	0.2688722	0.22754440	2.6572064	21	12 28.8	21.2
236379 2006 CL_{29}	16.7	X	193.11089	329.76316	296.77875	3.05365	0.2619167	0.24331445	2.5411138	21	—	—
236380 2006 CJ_{62}	14.8	X	37.83686	30.29351	112.76747	13.36389	0.0412184	0.19352437	2.9601401	21	3 1.6	18.8
236381 2006 CR_{65}	16.8	X	117.84374	226.07172	158.48113	5.92493	0.1149371	0.25435240	2.4670549	21	1 10.6	19.9
236382 2006 CZ_{65}	16.0	X	118.91300	253.07882	34.20874	12.98832	0.1976278	0.22508546	2.6765236	21	12 23.1	20.7
236383 2006 DH_{5}	16.6	X	348.09110	229.72559	6.63714	5.66323	0.1683514	0.26681486	2.3896229	21	3 23.2	18.8
236384 2006 DH_{14}	16.2	X	141.98779	35.06144	118.12139	8.94243	0.1290062	0.21464371	2.7626377	21	7 31.3	20.5
236385 2006 DO_{14}	16.1	X	225.17969	294.35157	94.20878	5.49593	0.0853823	0.21011248	2.8022152	21	5 20.9	20.3
236386 2006 DF_{16}	16.8	X	270.39280	202.60994	87.01536	3.01909	0.0776903	0.26406797	2.4061659	21	3 1.6	20.0
236387 2006 DV_{20}	16.4	X	143.91592	310.73489	329.34016	13.15721	0.1583178	0.23802104	2.5786505	21	—	—
236388 2006 DK_{27}	17.4	X	297.49918	110.99438	357.84051	6.49204	0.1248135	0.23721061	2.5845205	21	12 7.5	20.3
236389 2006 DZ_{29}	16.5	X	208.92160	156.75827	353.73503	5.82518	0.0795312	0.22676676	2.6632777	21	10 6.4	20.3
236390 2006 DA_{32}	16.5	X	300.00569	147.73825	342.33790	9.51912	0.0980092	0.24062302	2.5600273	21	—	—
236391 2006 DK_{35}	17.2	X	350.13975	350.38494	188.52002	1.17687	0.1206944	0.25596943	2.4566539	21	1 12.5	20.0
236392 2006 DP_{36}	15.8	X	128.22552	108.58776	358.11009	14.67527	0.1028290	0.20480292	2.8504403	21	5 9.6	20.2
236393 2006 DH_{37}	15.8	X	121.25245	322.92311	355.84003	12.10933	0.3906486	0.23299313	2.6156159	21	—	—
236394 2006 DE_{38}	16.8	X	15.30211	114.02424	12.58619	3.71787	0.0860786	0.25557048	2.4592099	21	—	—
236395 2006 DE_{39}	16.2	X	7.00901	353.92714	4.13708	13.87201	0.0154425	0.22617493	2.6679217	21	10 20.9	19.9
236396 2006 DV_{43}	15.8	X	74.15986	198.43591	158.24894	34.32050	0.2134854	0.24234360	2.5478959	21	—	—
236397 2006 DD_{52}	16.6	X	220.62116	268.41283	233.96051	10.78633	0.2497353	0.23140575	2.6275639	21	9 20.1	21.1
236398 2006 DZ_{58}	17.2	X	332.28520	90.80052	356.20330	4.83108	0.1975681	0.23953577	2.5677681	21	—	—
236399 2006 DM_{59}	16.7	X	287.20256	244.31767	184.50322	3.65936	0.0932978	0.22656092	2.6648906	21	9 29.8	20.0
236400 2006 DH_{60}	16.9	X	293.82690	215.62353	197.95107	2.25718	0.0788064	0.22306773	2.6926395	21	9 20.0	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
236401 2006 DW_{61}	16.9	X	123.21529	93.11918	115.89398	8.85713	0.0531124	0.28613888	2.2807874	21	9 25.2	20.0
236402 2006 DY_{61}	15.7	X	193.58789	150.23303	101.66104	11.51867	0.1939861	0.23993260	2.5649361	21	—	—
236403 2006 DS_{64}	15.5	X	132.57889	51.60331	348.36184	11.53288	0.0662607	0.19688178	2.9263911	21	2 23.9	19.7
236404 2006 DU_{64}	17.3	X	343.54210	184.77643	352.25942	8.23968	0.1092586	0.25671241	2.4519116	21	1 3.2	20.4
236405 2006 DF_{68}	16.6	X	85.84207	142.11691	347.91400	6.79046	0.0804644	0.26807754	2.3821134	21	4 9.4	19.4
236406 2006 DH_{73}	15.8	X	220.49251	240.78026	11.84881	10.32107	0.0486928	0.24227086	2.5484058	21	—	—
236407 2006 DC_{74}	16.9	X	347.78940	256.94076	165.13493	11.89066	0.1767652	0.23961933	2.5671711	21	—	—
236408 2006 DH_{74}	15.4	X	120.71284	105.72396	28.43802	17.48041	0.0745131	0.20869868	2.8148564	21	6 3.4	19.7
236409 2006 DC_{80}	16.8	X	352.18376	210.58771	181.82035	3.38328	0.0455166	0.23228370	2.6209389	21	11 22.5	19.9
236410 2006 DG_{80}	16.6	X	108.09631	87.98400	230.80281	0.41360	0.0750361	0.23831506	2.5765291	21	—	—
236411 2006 DU_{80}	16.6	X	97.21879	157.40243	172.45727	1.94840	0.2275741	0.23725269	2.5842149	21	—	—
236412 2006 DN_{84}	16.3	X	336.29359	269.89803	173.53803	13.14310	0.1548384	0.24091433	2.5579632	21	—	—
236413 2006 DC_{85}	16.7	X	84.62732	323.54946	320.39681	3.15276	0.0676383	0.22717039	2.6601220	21	11 4.9	20.4
236414 2006 DG_{90}	17.0	X	275.36340	129.32955	160.18534	2.67425	0.1918458	0.25853449	2.4403777	21	2 22.2	20.7
236415 2006 DP_{91}	17.2	X	145.08691	152.37972	146.82611	3.13733	0.1875947	0.23671028	2.5881611	21	—	—
236416 2006 DO_{92}	16.8	X	325.09452	85.45613	24.63989	1.19529	0.0275483	0.23909511	2.5709221	21	—	—
236417 2006 DA_{93}	16.7	X	268.71287	3.23511	23.49535	1.36136	0.0832963	0.21426876	2.7658597	21	7 9.3	20.4
236418 2006 DR_{93}	16.9	X	267.42580	255.61755	187.33900	2.15656	0.1186948	0.22509940	2.6764131	21	9 15.9	20.3
236419 2006 DH_{94}	17.1	X	297.41145	15.77814	154.37220	1.44663	0.0654888	0.24409158	2.5357174	21	—	—
236420 2006 DM_{96}	16.9	X	237.52004	317.93346	185.24482	2.82097	0.1194282	0.22990874	2.6389575	21	10 27.8	20.5
236421 2006 DU_{96}	16.9	X	171.08047	228.61839	354.76540	3.98451	0.1312439	0.22908527	2.6452777	21	11 23.2	21.0
236422 2006 DC_{97}	16.6	X	119.16737	137.89531	127.17389	4.33392	0.1257561	0.22760866	2.6567062	21	11 26.1	20.7
236423 2006 DW_{101}	16.6	X	212.23074	192.66505	31.82470	2.60828	0.1051475	0.23918629	2.5702687	21	—	—
236424 2006 DO_{102}	17.0	X	218.46671	158.46719	130.83102	2.63844	0.0709986	0.25228301	2.4805275	21	1 2.9	20.6
236425 2006 DF_{103}	16.7	X	281.61402	160.75885	137.54579	2.00096	0.1770071	0.26334582	2.4105627	21	3 13.4	20.1
236426 2006 DS_{114}	16.4	X	341.95166	9.15477	105.49473	3.81343	0.1123531	0.24468140	2.5316408	21	—	—
236427 2006 DX_{115}	17.3	X	296.10766	17.15481	121.65015	2.37570	0.1362692	0.24009994	2.5637441	21	—	—
236428 2006 DZ_{115}	16.8	X	188.47893	128.83252	59.27784	3.10974	0.0241885	0.22769285	2.6560512	21	11 6.0	20.4
236429 2006 DJ_{119}	16.8	X	45.36549	63.99644	33.91640	7.53085	0.0811487	0.25679307	2.4513981	21	—	—
236430 2006 DB_{122}	16.1	X	336.10081	326.46115	145.13998	4.58422	0.1078735	0.24350497	2.5397882	21	—	—
236431 2006 DM_{126}	16.6	X	132.32791	89.62864	226.65022	2.60624	0.0990595	0.24426209	2.5345372	21	—	—
236432 2006 DF_{132}	16.3	X	198.78027	100.50679	100.23052	4.03368	0.0310525	0.23448427	2.6045153	21	12 5.1	19.7
236433 2006 DG_{135}	17.6	X	337.55515	349.35363	62.90540	0.99155	0.0822412	0.23560268	2.5962663	21	11 28.9	20.6
236434 2006 DX_{140}	16.9	X	305.86874	220.47622	40.75093	3.96445	0.1978453	0.26000370	2.4311758	21	2 20.0	20.2
236435 2006 DH_{155}	16.1	X	68.64968	125.26012	239.23142	2.97410	0.1957489	0.23869780	2.5737742	21	—	—
236436 2006 DQ_{155}	15.8	X	287.82548	47.45752	342.82877	10.41346	0.1439381	0.21919371	2.7242732	21	8 2.9	19.4
236437 2006 DJ_{166}	16.2	X	16.83091	163.45597	140.60918	7.07193	0.1529526	0.21675212	2.7446932	21	9 10.2	19.2
236438 2006 DC_{174}	17.1	X	222.01974	9.87930	140.51996	3.23876	0.0509148	0.22911945	2.6450147	21	10 28.1	20.7
236439 2006 DW_{174}	16.7	X	94.37003	349.73535	33.21881	2.93014	0.0622388	0.24791671	2.5095673	21	—	—
236440 2006 DL_{188}	17.5	X	306.07761	29.80449	104.46982	1.53960	0.0585741	0.24073364	2.5592430	21	—	—
236441 2006 DB_{197}	15.8	X	244.69676	280.29540	303.76953	12.27977	0.1302698	0.24376566	2.5379771	21	—	—
236442 2006 DD_{199}	15.8	X	326.08767	154.05092	155.61408	22.98281	0.1237031	0.27989874	2.3145617	21	6 12.9	18.9
236443 2006 DO_{200}	16.2	X	204.25141	197.93074	63.79034	13.44809	0.2102328	0.24083863	2.5584992	21	—	—
236444 2006 DA_{204}	15.6	X	239.62038	246.58516	313.34910	11.89101	0.1277005	0.23968651	2.5666914	21	—	—
236445 2006 DC_{207}	16.5	X	79.94339	130.66935	182.61558	14.53999	0.1340486	0.22870376	2.6482187	21	12 15.7	20.7
236446 2006 DZ_{207}	16.7	X	232.39894	148.85745	320.27555	2.91275	0.0188321	0.22128010	2.7071219	21	9 18.5	20.4
236447 2006 DC_{208}	16.1	X	95.25570	43.16293	318.72185	3.52731	0.1446745	0.24132504	2.5550601	21	—	—
236448 2006 DY_{211}	15.7	X	255.33298	180.48240	157.28315	14.27089	0.1770229	0.19174771	2.9783970	21	4 15.1	20.5
236449 2006 DV_{215}	16.0	X	317.43439	58.91660	339.26865	11.63744	0.1929992	0.22703551	2.6611755	21	9 22.9	18.8
236450 2006 EH_{6}	16.1	X	23.71859	207.17556	154.41329	7.58026	0.1116291	0.23322333	2.6138945	21	12 6.3	19.4
236451 2006 EX_{10}	16.9	X	352.57425	288.29439	144.07147	4.81057	0.1663660	0.24109445	2.5566891	21	—	—
236452 2006 EA_{19}	16.5	X	98.67559	239.32775	16.03523	4.56508	0.0485966	0.22203721	2.7009645	21	10 14.4	20.1
236453 2006 EW_{21}	16.6	X	180.32214	131.89178	153.96812	11.16602	0.1220232	0.24511324	2.5286664	21	—	—
236454 2006 ED_{22}	16.3	X	97.39007	189.83144	135.59443	3.92171	0.2332401	0.23818994	2.5774313	21	—	—
236455 2006 ES_{32}	16.2	X	28.78568	56.58637	275.40109	2.50658	0.0668332	0.22629122	2.6670076	21	10 25.4	19.5
236456 2006 EC_{52}	16.3	X	268.16440	288.19028	2.73236	14.39254	0.1503171	0.25955913	2.4339511	21	2 25.2	20.0
236457 2006 EZ_{56}	16.2	X	250.20461	178.38852	329.19057	8.69658	0.0298517	0.23435060	2.6055056	21	11 30.2	19.8
236458 2006 EM_{57}	15.7	X	70.11442	9.76619	331.50395	13.39651	0.1151925	0.23651592	2.5895788	21	—	—
236459 2006 EF_{58}	16.9	X	291.37162	359.31008	258.42860	2.19143	0.1501579	0.25716545	2.4490311	21	2 3.1	20.5
236460 2006 EY_{64}	17.2	X	189.44372	54.04214	205.19077	3.79768	0.2248921	0.23642558	2.5902384	21	—	—
236461 2006 EP_{66}	16.8	X	129.94637	323.35544	326.35089	2.77423	0.1232384	0.23272273	2.6176416	21	—	—
236462 2006 ER_{72}	17.1	X	209.86771	92.20188	186.11778	10.11248	0.1685716	0.24473875	2.5312452	21	—	—
236463 Bretecher	17.0	X	228.86413	199.47973	14.54807	2.47383	0.0774496	0.24316936	2.5421245	21	—	—
236464 2006 FQ	16.8	X	226.45891	138.31126	21.60521	13.42092	0.2049609	0.23129869	2.6283746	21	10 24.1	20.7
236465 2006 FO_{1}	17.4	X	338.94890	77.98238	19.92636	0.53962	0.1021892	0.24140667	2.5544841	21	—	—
236466 2006 FQ_{1}	15.9	X	159.77574	95.80625	181.25338	27.56449	0.2729033	0.22824415	2.6517726	21	—	—
236467 2006 FB_{7}	16.7	X	243.25436	134.54909	60.23035	2.36872	0.1203610	0.23613824	2.5923392	21	—	—
236468 2006 FY_{7}	16.6	X	143.12832	250.65651	34.88875	6.05391	0.1803664	0.23094114	2.6310868	21	—	—
236469 2006 FF_{8}	16.9	X	226.53376	357.12032	194.26468	2.79379	0.0357386	0.23306417	2.6150844	21	12 26.2	20.4
236470 2006 FE_{11}	15.8	X	23.53310	336.09615	17.78586	15.03802	0.0404702	0.22784428	2.6548743	21	11 9.5	19.4
236471 2006 FF_{11}	16.4	X	356.29902	281.10320	116.63904	3.86342	0.0735811	0.23174380	2.6250080	21	12 7.5	19.5
236472 2006 FS_{14}	16.8	X	250.57571	2.58331	168.24101	4.17716	0.0216190	0.23427416	2.6060722	21	—	—
236473 2006 FO_{18}	16.4	X	323.64856	248.97275	171.44446	2.10455	0.1944750	0.22867792	2.6484181	21	11 14.1	18.6
236474 2006 FK_{19}	15.6	X	8.56503	20.42739	23.96588	13.39609	0.1131328	0.23197110	2.6232929	21	—	—
236475 2006 FT_{20}	17.1	X	329.36808	9.92751	29.68191	3.11832	0.0736314	0.22809943	2.6528942	21	10 27.9	20.2
236476 2006 FX_{22}	16.0	X	87.18535	82.49428	191.86829	13.92809	0.0586742	0.22170040	2.7036994	21	10 27.7	19.8
236477 2006 FO_{23}	16.9	X	104.84622	130.61341	170.98986	3.75364	0.1453364	0.22783362	2.6549571	21	12 26.3	21.1
236478 2006 FL_{26}	15.9	X	202.62565	24.30875	192.06500	16.34234	0.0689344	0.23297484	2.6157528	21	12 23.6	19.9
236479 2006 FU_{32}	17.3	X	339.65279	98.77043	177.65990	4.25112	0.2158257	0.26353686	2.4093976	21	5 1.8	19.3
236480 2006 FC_{33}	16.1	X	110.78218	216.65868	24.58192	9.54530	0.1180346	0.21838923	2.7309593	21	10 17.2	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
236481 2006 FM_{34}	16.5	X	227.29838	216.43494	8.92092	9.62453	0.1517329	0.23737537	2.5833244	21	—	—
236482 2006 FO_{34}	16.2	X	265.62628	209.80907	3.29424	12.00382	0.2237409	0.24178562	2.5518143	21	—	—
236483 2006 FW_{34}	15.7	X	195.49647	171.59803	15.73484	12.56133	0.1008596	0.22515703	2.6759565	21	11 2.9	19.7
236484 Luchijen	16.5	X	201.85009	11.64472	205.09037	5.23326	0.1615696	0.22965666	2.6408882	21	12 13.8	20.5
236485 2006 FK_{36}	16.6	X	143.97197	38.08603	208.16530	2.22458	0.1057423	0.22737176	2.6585512	21	11 26.2	20.6
236486 2006 FS_{36}	15.7	X	230.07871	326.49148	182.30883	13.46469	0.2039509	0.22971206	2.6404636	21	10 16.9	19.7
236487 2006 FR_{40}	17.2	X	340.96000	45.85747	152.35635	1.99450	0.1300416	0.25807123	2.4432973	21	1 22.9	20.1
236488 2006 FY_{40}	16.4	X	221.83253	90.45898	50.63331	9.58955	0.1114026	0.22400850	2.6850954	21	10 10.1	20.4
236489 2006 FO_{44}	16.1	X	238.56890	140.27545	37.89827	8.00004	0.1424946	0.23307022	2.6150391	21	12 8.3	19.7
236490 2006 FP_{54}	16.4	X	325.96742	15.63633	44.96077	6.52074	0.0309799	0.22663521	2.6643082	21	11 19.6	19.8
236491 2006 GE_{2}	15.8	X	211.75007	303.16297	258.27122	12.63435	0.1459280	0.23274686	2.6174607	21	12 7.2	19.6
236492 2006 GG_{3}	15.8	X	107.12348	208.09423	87.01672	15.48367	0.1803816	0.22451509	2.6810548	21	12 22.1	20.0
236493 2006 GF_{12}	16.4	X	54.23318	316.68973	69.44213	4.67215	0.1561806	0.23736460	2.5834025	21	—	—
236494 2006 GJ_{12}	16.7	X	207.68332	191.74958	57.33914	5.28190	0.1347428	0.23814293	2.5777706	21	—	—
236495 2006 GJ_{14}	16.6	X	97.55016	111.57873	142.41083	4.19035	0.1238740	0.21881529	2.7274132	21	10 21.3	20.7
236496 2006 GB_{19}	16.4	X	302.02574	49.30278	57.09514	4.60172	0.1431540	0.23363167	2.6108479	21	12 10.3	19.2
236497 2006 GU_{20}	16.9	X	304.77924	341.51836	129.78827	3.50157	0.1139816	0.23417224	2.6068284	21	12 24.5	19.6
236498 2006 GX_{20}	16.5	X	352.11829	345.55689	138.12923	3.46339	0.1376184	0.24517515	2.5282407	21	—	—
236499 2006 GP_{21}	17.3	X	273.13874	281.21992	199.84613	3.39242	0.0787611	0.23263510	2.6182989	21	11 21.8	20.6
236500 2006 GA_{23}	16.9	X	187.97262	69.35891	65.51967	4.29423	0.1392239	0.21683077	2.7440295	21	8 24.1	21.2
236501 2006 GT_{26}	16.9	X	69.41388	159.50883	174.49570	3.73409	0.0469205	0.22790880	2.6543732	21	12 18.5	20.6
236502 2006 GR_{28}	16.1	X	345.79888	242.20782	197.91748	7.32090	0.1674723	0.23509545	2.5999993	21	—	—
236503 2006 GO_{30}	16.6	X	330.59650	176.40840	172.68441	6.32018	0.0662528	0.21309348	2.7760201	21	8 18.5	20.0
236504 2006 GC_{31}	16.7	X	125.20157	83.07698	165.10570	2.34377	0.1148148	0.22124186	2.7074338	21	11 9.9	20.9
236505 2006 GQ_{34}	14.8	X	159.71315	259.69451	37.39516	20.06147	0.1152567	0.17369635	3.1813315	21	—	—
236506 2006 GS_{36}	16.0	X	5.11609	129.27746	180.11182	5.60566	0.1959396	0.21130985	2.7916195	21	8 26.0	18.6
236507 2006 GU_{36}	16.6	X	155.61786	136.50843	163.94759	3.49379	0.1054742	0.23844135	2.5756193	21	—	—
236508 2006 GO_{38}	15.8	X	129.90523	220.03123	66.32571	19.03337	0.1903643	0.22877761	2.6476488	21	12 31.1	20.4
236509 2006 GK_{41}	15.5	X	346.05318	337.06271	200.88589	10.42288	0.1184912	0.18760632	3.0220692	21	1 20.3	19.5
236510 2006 GA_{43}	15.8	X	185.82855	106.13946	163.89356	13.55329	0.1245395	0.23438511	2.6052498	21	—	—
236511 2006 GL_{45}	15.8	X	203.03209	209.97814	39.88816	11.34022	0.1468564	0.23605497	2.5929489	21	—	—
236512 2006 GL_{46}	17.0	X	212.37965	50.97339	147.95668	2.56688	0.1319243	0.22973079	2.6403201	21	12 6.2	20.8
236513 2006 GE_{47}	17.1	X	218.42153	111.24762	30.22798	3.45818	0.1458488	0.22480545	2.6787458	21	9 30.6	21.2
236514 2006 GB_{48}	16.9	X	204.59547	151.41617	78.29506	0.57509	0.1434531	0.23402627	2.6079123	21	—	—
236515 2006 GF_{48}	16.4	X	10.97979	294.12187	18.56532	3.86804	0.0466683	0.21397088	2.7684261	21	9 2.2	20.0
236516 2006 GR_{48}	16.9	X	224.42349	40.33918	211.36555	1.83177	0.1218470	0.23988909	2.5652462	21	—	—
236517 2006 GH_{49}	14.8	X	164.29602	191.24744	72.49486	21.63490	0.0549990	0.16898902	3.2401397	21	12 26.9	19.8
236518 2006 GL_{50}	15.3	X	182.56475	171.60393	67.57962	13.90251	0.1017292	0.22995005	2.6386414	21	12 25.9	19.3
236519 2006 GV_{52}	15.8	X	170.94482	129.56907	135.74249	28.34184	0.2305814	0.23145282	2.6272076	21	—	—
236520 2006 HA_{3}	17.2	X	218.85006	69.04959	158.93600	3.51874	0.1558006	0.23602869	2.5931413	21	—	—
236521 2006 HG_{3}	16.6	X	318.63619	188.47723	174.99936	6.48764	0.0637937	0.21344825	2.7729433	21	8 19.9	20.1
236522 2006 HQ_{4}	16.6	X	135.95193	129.92511	149.72782	2.90709	0.1510003	0.22859189	2.6490826	21	12 28.7	20.9
236523 2006 HA_{5}	16.5	X	199.13077	178.03909	36.53379	5.16003	0.1729311	0.23134853	2.6279971	21	12 7.0	20.6
236524 2006 HT_{5}	16.4	X	166.60115	95.42416	162.62777	12.95766	0.2399404	0.22705347	2.6610352	21	12 26.7	21.2
236525 2006 HS_{9}	15.2	X	296.16013	25.97129	175.20921	12.14700	0.0718035	0.18146334	3.0898931	21	—	—
236526 2006 HE_{11}	16.5	X	262.29465	83.08094	56.74954	14.60301	0.1113803	0.23096616	2.6308968	21	11 24.8	19.7
236527 2006 HP_{11}	15.9	X	322.47090	222.15195	136.16882	6.88741	0.0234311	0.21318964	2.7751853	21	8 23.9	19.6
236528 2006 HV_{12}	16.5	X	50.02792	159.00178	159.71321	6.58447	0.0204284	0.22236425	2.6983156	21	11 1.9	20.2
236529 2006 HL_{13}	16.5	X	6.62138	353.00056	258.65282	4.61593	0.1973610	0.26794009	2.3829280	21	5 27.1	17.9
236530 2006 HF_{16}	16.3	X	209.95564	53.52637	182.29836	4.19183	0.1604507	0.23395241	2.6084611	21	—	—
236531 2006 HK_{19}	16.9	X	173.89699	189.85784	119.28794	4.40558	0.2325173	0.23815540	2.5776805	21	—	—
236532 2006 HV_{25}	16.3	X	141.15354	17.87235	202.81733	5.08642	0.1828164	0.21939900	2.7225735	21	10 24.2	20.7
236533 2006 HB_{26}	16.2	X	286.49784	339.56698	65.38111	5.65019	0.0730087	0.21308549	2.7760895	21	8 31.9	19.9
236534 2006 HD_{29}	15.5	X	309.17388	164.98572	52.12269	13.98332	0.1296635	0.18449317	3.0559707	21	1 24.3	20.0
236535 2006 HM_{30}	16.5	X	183.92474	187.00897	49.47747	6.49909	0.1751514	0.23218746	2.6216631	21	12 19.4	20.8
236536 2006 HR_{34}	16.4	X	280.59455	81.85591	71.84957	4.51592	0.2312765	0.23788350	2.5796444	21	12 27.4	18.8
236537 2006 HH_{35}	16.6	X	161.20690	207.29474	46.17963	4.51963	0.1949453	0.22722193	2.6597198	21	12 18.5	21.1
236538 2006 HB_{38}	16.2	X	191.35337	132.41030	102.06403	5.58269	0.0464550	0.23242747	2.6198579	21	—	—
236539 2006 HU_{38}	16.1	X	55.44199	164.79901	102.00564	5.15934	0.0593104	0.21164256	2.7886930	21	9 6.7	19.8
236540 2006 HW_{38}	16.2	X	109.21850	104.72293	171.81395	5.69358	0.1208689	0.22246678	2.6974865	21	11 29.3	20.4
236541 2006 HN_{42}	16.7	X	236.38016	126.17463	98.13699	4.96555	0.2098419	0.23777682	2.5804159	21	—	—
236542 2006 HM_{43}	16.4	X	149.84433	139.08450	32.94038	4.90690	0.0263802	0.21214554	2.7842835	21	8 29.8	20.3
236543 2006 HK_{45}	16.6	X	159.09917	100.92827	191.77399	6.10251	0.1242228	0.23751530	2.5823097	21	—	—
236544 2006 HH_{46}	15.5	X	146.43032	207.75447	66.11912	14.30625	0.1672273	0.22909577	2.6451969	21	12 30.7	20.0
236545 2006 HD_{47}	17.0	X	80.31954	140.47143	156.10367	3.20128	0.1945200	0.22063455	2.7123998	21	11 30.9	21.2
236546 2006 HG_{47}	16.0	X	157.95532	138.75679	110.15440	14.09020	0.1273975	0.22652702	2.6651564	21	12 13.6	20.2
236547 2006 HH_{47}	16.3	X	267.17418	149.76193	14.16604	5.47431	0.1850630	0.23620775	2.5918307	21	12 24.8	19.3
236548 2006 HW_{48}	16.0	X	143.89593	107.84156	180.42211	14.79635	0.2229317	0.22841356	2.6504613	21	—	—
236549 2006 HD_{51}	16.2	X	137.89824	266.97098	353.02139	8.27204	0.2224186	0.22516231	2.6759146	21	12 6.4	20.9
236550 2006 HP_{51}	15.8	X	126.12403	306.72217	312.70675	10.71934	0.1649024	0.22344091	2.6896406	21	11 23.8	20.3
236551 2006 HT_{52}	15.8	X	155.89055	205.42623	50.43097	16.49270	0.1179586	0.22930547	2.6435840	21	12 17.4	20.1
236552 2006 HA_{55}	15.9	X	166.86260	89.03038	168.45421	11.27920	0.1670190	0.22878691	2.6475770	21	12 29.0	20.4
236553 2006 HU_{58}	16.2	X	159.68593	6.93260	220.18436	11.01575	0.1369361	0.22517266	2.6758326	21	11 17.9	20.4
236554 2006 HX_{58}	15.7	X	147.93782	324.99405	301.45904	10.90654	0.1618953	0.23104248	2.6303174	21	12 24.6	20.0
236555 2006 HK_{59}	15.7	X	71.79078	300.89887	352.95630	11.48713	0.0862893	0.22045204	2.7138966	21	10 31.3	19.7
236556 2006 HV_{59}	16.2	X	256.65759	354.10516	144.41682	6.53109	0.1933594	0.23015033	2.6371104	21	11 5.9	19.7
236557 2006 HB_{64}	16.5	X	255.57775	7.21512	69.52117	5.21796	0.0471737	0.21450372	2.7638396	21	9 5.0	20.3
236558 2006 HH_{66}	16.1	X	194.79287	242.51741	89.69529	1.84456	0.1826711	0.18061404	3.0995719	21	2 14.0	21.3
236559 2006 HZ_{68}	16.5	X	4.40174	276.00674	57.07354	6.36150	0.0383029	0.21367450	2.7709855	21	9 21.6	20.1
236560 2006 HO_{69}	16.3	X	133.57221	54.91468	166.40514	8.59578	0.1218119	0.21908188	2.7252002	21	10 17.9	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
236561 2006 HZ_{74}	15.4	X	94.92369	225.83294	72.86896	13.88437	0.1538872	0.22416357	2.6838569	21	12 13.2	19.4
236562 2006 HD_{75}	16.1	X	253.48545	0.64112	177.72785	12.87567	0.0921014	0.23298444	2.6156810	21	—	—
236563 2006 HL_{78}	16.4	X	79.06507	183.44446	194.53430	3.54886	0.0785384	0.24074608	2.5591549	21	—	—
236564 2006 HB_{80}	16.7	X	239.21747	15.29585	76.09599	1.64948	0.0302006	0.21346682	2.7727825	21	9 3.5	20.4
236565 2006 HB_{81}	16.7	X	290.65035	261.96998	254.82974	1.14206	0.0304215	0.23552998	2.5968005	21	—	—
236566 2006 HZ_{83}	16.0	X	171.36055	321.58102	206.60909	11.31564	0.1843340	0.21717490	2.7411300	21	9 13.6	20.6
236567 2006 HB_{86}	16.0	X	348.03237	342.95046	189.57272	10.39363	0.0218823	0.18486357	3.0518873	21	1 27.6	20.3
236568 2006 HQ_{86}	16.5	X	178.97164	120.44126	146.98891	3.49892	0.1039846	0.23441072	2.6050601	21	—	—
236569 2006 HS_{88}	16.7	X	214.92659	336.75175	154.81409	5.30043	0.1680840	0.21843751	2.7305570	21	9 11.9	21.0
236570 2006 HJ_{89}	16.4	X	168.23978	119.92898	130.44708	9.56265	0.0887328	0.23181798	2.6244480	21	12 26.7	20.4
236571 2006 HV_{91}	16.4	X	107.00002	112.65142	132.24587	5.90185	0.0646959	0.21678199	2.7444411	21	10 15.0	20.3
236572 2006 HK_{92}	16.6	X	354.26825	212.14633	183.05056	8.00791	0.1638334	0.22244036	2.6977000	21	12 7.9	19.6
236573 2006 HS_{92}	16.4	X	24.04666	252.84366	131.78039	4.76287	0.0976111	0.22679807	2.6630326	21	12 31.7	19.9
236574 2006 HG_{93}	16.4	X	332.57311	128.42326	178.12576	5.55174	0.0531938	0.20330184	2.8644539	21	6 25.5	20.1
236575 2006 HS_{95}	16.3	X	200.41356	341.50426	221.42468	8.00600	0.0724161	0.22775594	2.6555608	21	12 4.1	20.0
236576 2006 HL_{96}	17.0	X	11.88096	290.49343	50.03389	6.83594	0.0405130	0.21670614	2.7450815	21	10 11.6	20.6
236577 2006 HV_{99}	16.8	X	7.11941	104.38357	215.06250	3.45922	0.1023480	0.21005801	2.8026996	21	9 6.0	20.0
236578 2006 HW_{99}	16.8	X	162.81888	354.55963	225.95735	8.03416	0.0398354	0.22301895	2.6930321	21	11 14.6	20.5
236579 2006 HE_{101}	16.2	X	298.88817	248.79155	136.54659	4.04543	0.0451553	0.21083400	2.7958183	21	8 24.3	19.6
236580 2006 HR_{101}	17.0	X	228.38902	346.11763	123.04155	4.59351	0.0476857	0.21428402	2.7657284	21	9 11.6	20.9
236581 2006 HL_{104}	15.7	X	302.58702	336.10245	175.53014	14.50276	0.1089532	0.23715222	2.5849447	21	—	—
236582 2006 HT_{104}	16.2	X	211.40698	29.56148	164.63328	8.17606	0.1457085	0.23079199	2.6322202	21	11 29.2	20.2
236583 2006 HX_{105}	16.1	X	221.88596	220.13201	334.83015	13.43995	0.1161450	0.23197144	2.6232904	21	12 13.3	20.0
236584 2006 HB_{106}	16.2	X	10.86726	201.60880	139.05936	5.54211	0.1366916	0.21623814	2.7490408	21	10 20.2	19.3
236585 2006 HR_{111}	16.5	X	188.62187	217.62476	352.62095	6.41921	0.1908278	0.22694483	2.6618844	21	11 19.2	21.0
236586 2006 HQ_{117}	16.6	X	7.97813	216.91704	108.44002	5.23886	0.1049434	0.21135256	2.7912434	21	9 20.3	19.9
236587 2006 HT_{119}	16.7	X	316.41493	237.33977	171.05826	5.31490	0.0265395	0.22131627	2.7068269	21	10 22.6	20.3
236588 2006 HV_{120}	16.7	X	82.93595	98.44976	143.83223	4.58564	0.0505206	0.21123027	2.7923206	21	9 7.9	20.5
236589 2006 HO_{121}	16.2	X	153.03816	10.83658	150.32900	12.36669	0.0922901	0.21095570	2.7947430	21	8 19.5	20.4
236590 2006 HV_{121}	16.5	X	232.96536	88.51903	211.05875	10.46677	0.2921001	0.24293291	2.5437738	21	1 25.1	21.4
236591 2006 HW_{121}	14.9	X	237.43598	161.79578	159.55352	12.87500	0.1509325	0.18407782	3.0605660	21	3 9.7	19.7
236592 2006 HB_{128}	16.2	X	232.19412	234.82898	340.40504	4.17244	0.1764797	0.23536773	2.5979938	21	—	—
236593 2006 HD_{151}	16.8	X	255.66146	352.75490	195.14148	4.28999	0.1172009	0.23643744	2.5901518	21	—	—
236594 2006 JS_{4}	17.1	X	178.36802	76.20745	189.52776	4.21116	0.1996164	0.23263296	2.6183150	21	—	—
236595 2006 JX_{4}	16.1	X	165.48262	308.59089	209.01839	9.47248	0.0584330	0.21230284	2.7829080	21	8 24.9	20.3
236596 2006 JN_{5}	16.6	X	300.60310	36.80395	303.30818	1.05661	0.0735418	0.20375770	2.8601800	21	6 21.7	20.4
236597 2006 JB_{6}	16.0	X	328.31773	202.35400	199.44519	6.20213	0.0137756	0.22043027	2.7140753	21	10 29.7	19.6
236598 2006 JT_{7}	16.3	X	172.43314	303.41042	215.10550	6.96388	0.1556147	0.21607211	2.7504488	21	9 3.0	20.8
236599 2006 JZ_{12}	16.4	X	354.58228	191.38561	166.09000	6.05395	0.0727191	0.21526099	2.7573538	21	10 9.8	19.7
236600 2006 JF_{16}	16.6	X	335.05703	31.81980	38.21905	2.20119	0.0681345	0.22871927	2.6480990	21	12 16.6	19.7
236601 2006 JZ_{16}	16.0	X	193.67926	200.01500	213.67363	10.65516	0.0914121	0.19823331	2.9130747	21	5 18.9	20.4
236602 2006 JM_{17}	15.9	X	358.68925	112.64170	201.63721	3.16790	0.0877188	0.20947077	2.8079353	21	8 14.9	19.1
236603 2006 JM_{18}	16.2	X	252.01396	252.09028	213.28913	11.10054	0.1296524	0.21983534	2.7189697	21	9 20.7	20.2
236604 2006 JT_{18}	15.9	X	140.40577	287.01555	102.75345	5.05118	0.1078383	0.18318793	3.0704697	21	2 27.3	20.4
236605 2006 JM_{28}	16.4	X	332.11249	321.09510	164.53392	3.57151	0.1253859	0.24033025	2.5621060	21	—	—
236606 2006 JA_{29}	16.7	X	273.07972	3.47443	103.15101	3.53713	0.0390571	0.22420292	2.6835429	21	11 7.4	20.2
236607 2006 JP_{35}	15.9	X	188.49413	228.03524	142.53277	5.15475	0.1305978	0.18662354	3.0326696	21	3 24.3	20.8
236608 2006 JH_{39}	16.3	X	318.45884	203.40050	150.26196	2.44411	0.0780269	0.20640671	2.8356557	21	8 5.3	19.6
236609 2006 JK_{40}	16.3	X	29.57987	248.40268	58.22034	7.18904	0.0377300	0.21731805	2.7399261	21	9 22.9	20.0
236610 2006 JL_{42}	16.4	X	247.84669	259.84578	154.30075	3.20090	0.0668511	0.20850110	2.8166345	21	7 20.7	20.4
236611 2006 JQ_{42}	16.9	X	74.79556	132.29072	153.38627	4.03102	0.0703916	0.21753752	2.7380830	21	10 27.9	20.7
236612 2006 JL_{44}	15.3	X	249.60973	137.89345	63.20273	14.33148	0.1159277	0.17093102	3.2155515	21	—	—
236613 2006 JW_{44}	16.2	X	106.25799	233.16748	128.80336	3.41650	0.0186354	0.23953348	2.5677845	21	—	—
236614 2006 JA_{46}	16.2	X	195.76233	163.34024	44.91127	7.32645	0.1418232	0.22709157	2.6607375	21	11 27.9	20.3
236615 2006 JB_{48}	16.5	X	231.05234	7.76818	201.31559	3.74133	0.1206094	0.23421500	2.6065111	21	—	—
236616 Gray	16.7	X	341.41243	30.07884	34.03133	1.96162	0.0437045	0.22971039	2.6404764	21	12 17.2	20.0
236617 2006 JL_{63}	16.9	X	250.16643	72.20133	214.57701	0.66062	0.1724869	0.25633851	2.4542953	21	1 28.1	20.7
236618 2006 JX_{79}	16.0	X	153.36830	343.22958	126.71005	6.60237	0.0206145	0.19940572	2.9016452	21	6 11.3	20.1
236619 2006 KD	15.5	X	92.83971	210.11466	38.64002	13.93671	0.1520978	0.21366886	2.7710342	21	10 13.7	19.7
236620 2006 KZ	15.8	X	284.80036	63.51019	139.24060	4.81607	0.2104411	0.24162264	2.5529617	21	—	—
236621 2006 KX_{1}	16.0	X	240.95191	318.65966	252.00709	2.87522	0.1273836	0.23653708	2.5894243	21	—	—
236622 2006 KA_{2}	16.1	X	141.83533	31.83111	240.49040	10.37485	0.1517763	0.22586465	2.6703645	21	12 24.3	20.4
236623 2006 KF_{2}	16.1	X	81.36932	232.04901	33.86981	6.37943	0.2467008	0.21339800	2.7733785	21	10 29.9	20.4
236624 2006 KR_{6}	16.6	X	242.96038	337.07790	54.68090	2.77844	0.0757945	0.20193185	2.8773951	21	6 14.6	20.9
236625 2006 KT_{9}	16.0	X	168.82351	152.81165	80.89876	14.38206	0.1234568	0.22535964	2.6743523	21	12 4.9	20.1
236626 2006 KD_{11}	16.5	X	167.95203	326.02492	217.54072	2.88610	0.1026179	0.21736455	2.7395353	21	10 2.3	20.8
236627 2006 KU_{11}	16.2	X	34.44384	187.99315	131.22288	5.83053	0.0256313	0.21539674	2.7561951	21	10 13.2	19.9
236628 2006 KF_{15}	15.7	X	312.30365	298.75226	82.62307	12.29602	0.0112989	0.21294331	2.7773250	21	9 16.9	19.7
236629 2006 KB_{19}	16.1	X	277.66083	295.85090	126.06085	14.38086	0.0594490	0.21665562	2.7455082	21	9 14.9	19.9
236630 2006 KY_{19}	16.2	X	153.05077	270.97626	17.18601	5.14744	0.1946931	0.23123639	2.6288467	21	—	—
236631 2006 KY_{20}	16.4	X	139.21898	78.39572	161.56616	8.29931	0.1532585	0.22077211	2.7112730	21	11 15.9	20.9
236632 2006 KG_{21}	15.0	X	165.91146	260.00932	104.76390	16.61133	0.1516045	0.18186252	3.0853700	21	3 1.9	20.1
236633 2006 KS_{23}	16.8	X	230.95757	44.65847	171.90853	15.69109	0.1165588	0.23614643	2.5922793	21	—	—
236634 2006 KM_{32}	16.1	X	273.44623	329.88094	66.97107	7.35465	0.0505385	0.20842320	2.8173362	21	8 5.3	20.0
236635 2006 KS_{33}	16.5	X	136.64341	107.97787	198.85182	2.84451	0.1977363	0.22913578	2.6448889	21	—	—
236636 2006 KC_{35}	17.1	X	190.01708	56.44043	218.73424	1.96230	0.1624229	0.23460607	2.6036138	21	—	—
236637 2006 KK_{38}	16.0	X	66.91137	194.86949	93.88729	13.01401	0.1484797	0.21559118	2.7545377	21	11 5.5	20.1
236638 2006 KQ_{38}	15.9	X	190.80823	118.49543	101.61373	13.60953	0.1488923	0.22668196	2.6639419	21	12 9.0	20.1
236639 2006 KJ_{39}	16.1	X	190.33075	255.11171	6.40688	12.69827	0.1673926	0.23363363	2.6108333	21	—	—
236640 2006 KL_{39}	16.3	X	200.19629	307.04982	271.30395	10.50434	0.1444234	0.23216513	2.6218312	21	12 16.0	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
236641 2006 KQ_{40}	15.9	X	287.49836	12.95218	29.10088	7.01284	0.0335009	0.21845017	2.7304514	21	9 4.7	19.5
236642 2006 KQ_{42}	16.4	X	261.08672	204.31384	184.26649	1.84858	0.0846872	0.20445458	2.8536771	21	7 1.3	20.4
236643 2006 KC_{46}	16.8	X	220.64586	297.61171	189.03586	3.46404	0.0191632	0.21565916	2.7539588	21	9 26.5	20.5
236644 2006 KM_{50}	16.3	X	274.40754	338.83012	84.03260	4.37414	0.0864133	0.21408577	2.7674355	21	9 5.3	19.9
236645 2006 KG_{51}	16.4	X	240.57795	232.39215	129.25791	3.36322	0.1662631	0.19293832	2.9661314	21	4 28.5	21.1
236646 2006 KW_{61}	16.3	X	190.14967	359.55070	137.24862	5.81640	0.0122560	0.21075320	2.7965329	21	9 2.2	20.2
236647 2006 KX_{61}	16.1	X	317.43696	207.57038	179.87864	6.48548	0.0677205	0.21301750	2.7766802	21	9 20.7	19.6
236648 2006 KE_{71}	16.1	X	336.02770	216.28606	156.02430	6.78078	0.0487705	0.21413427	2.7670176	21	10 1.3	19.6
236649 2006 KJ_{73}	15.2	X	82.87771	298.80766	134.73818	11.00582	0.0293839	0.17982369	3.1086472	21	1 31.3	19.5
236650 2006 KM_{76}	16.9	X	119.97406	68.22032	192.90325	4.66301	0.0524296	0.22320040	2.6915724	21	11 17.2	20.7
236651 2006 KK_{81}	16.6	X	280.31534	57.55158	118.15515	4.76033	0.1268979	0.23636285	2.5906967	21	—	—
236652 2006 KH_{85}	16.5	X	153.52151	98.27448	123.40225	7.17505	0.0936347	0.22099467	2.7094523	21	11 7.5	20.7
236653 2006 KN_{99}	16.5	X	279.34530	150.82580	157.93522	8.24596	0.2418156	0.25414737	2.4683816	21	3 18.9	20.2
236654 2006 KV_{99}	16.3	X	108.57783	60.18388	217.20057	8.24191	0.1436014	0.21952307	2.7215476	21	11 30.3	20.6
236655 2006 KL_{104}	16.7	X	204.20744	74.88670	46.46964	8.42845	0.1366887	0.21379159	2.7699737	21	8 25.2	21.1
236656 2006 KH_{113}	16.0	X	165.58534	115.59644	80.20350	12.53369	0.0969785	0.21862288	2.7290133	21	10 21.7	20.4
236657 2006 KU_{114}	15.8	X	120.51417	290.42891	331.31533	16.31589	0.3108478	0.21572952	2.7533600	21	11 24.9	21.1
236658 2006 KH_{116}	16.3	X	356.86511	157.49906	194.61359	3.27392	0.1092841	0.21415094	2.7668741	21	10 6.5	19.3
236659 2006 KZ_{116}	16.8	X	199.34448	338.11029	158.23176	4.10243	0.0427723	0.21322198	2.7749047	21	9 10.5	20.8
236660 2006 KQ_{117}	16.3	X	27.25941	257.08193	23.85669	4.61743	0.0266731	0.20913912	2.8109031	21	8 12.3	20.1
236661 2006 KW_{123}	15.5	X	4.21700	328.47945	200.59436	16.55297	0.1405989	0.18660297	3.0328925	21	2 2.4	19.5
236662 2006 LJ	15.5	X	277.25671	144.34287	54.37565	30.41910	0.0102637	0.23810272	2.5780607	21	—	—
236663 2006 LN_{2}	16.3	X	60.67027	120.97577	183.25006	10.54639	0.2651775	0.21240131	2.7820478	21	11 28.4	20.6
236664 2006 LB_{6}	15.5	X	229.16582	215.55439	106.01093	12.30598	0.1275145	0.17694960	3.1422181	21	3 8.2	20.6
236665 2006 MJ_{1}	16.1	X	81.66849	87.51036	161.53998	8.89912	0.1532571	0.21143494	2.7905183	21	9 30.2	20.1
236666 2006 MJ_{7}	15.9	X	292.11363	184.33957	124.52641	8.99647	0.1113053	0.18707779	3.0277585	21	4 29.2	20.2
236667 2006 OG_{16}	15.7	X	45.59998	228.19976	71.71881	7.57574	0.0873224	0.20469500	2.8514421	21	10 11.4	19.5
236668 2006 PJ	16.0	X	248.59713	124.76993	174.15783	9.51716	0.0526949	0.17486767	3.1671092	21	3 1.3	20.6
236669 2006 PD_{1}	15.3	X	212.28831	334.92456	9.01527	10.52012	0.2202010	0.17421598	3.1750024	21	3 14.5	20.8
236670 2006 PA_{23}	14.6	X	242.79657	323.35479	1.45473	16.59059	0.2174652	0.17651329	3.1473939	21	3 15.8	19.9
236671 2006 PQ_{32}	14.7	X	213.21031	329.82574	2.94876	28.10918	0.1893920	0.17244925	3.1966506	21	3 8.9	20.2
236672 2006 PK_{35}	15.3	X	270.63706	224.06197	118.39384	14.57848	0.1103178	0.18671861	3.0316401	21	5 16.7	19.9
236673 2006 QC_{3}	14.7	X	304.36134	85.03927	286.62295	1.64911	0.2601304	0.12393827	3.9841202	21	7 10.3	19.8
236674 2006 QA_{5}	15.9	X	264.96429	314.58620	355.90881	0.90982	0.1731114	0.17865065	3.1222403	21	3 20.7	20.7
236675 2006 QN_{26}	15.6	X	289.09075	297.17348	341.10782	11.35259	0.2257874	0.17816309	3.1279339	21	3 1.0	20.3
236676 2006 QN_{29}	15.1	X	214.50512	220.16305	110.70229	8.05692	0.1549824	0.17276455	3.1927601	21	3 3.6	20.4
236677 2006 QB_{33}	14.5	X	294.24719	191.63563	187.01929	8.95882	0.2095454	0.12327211	3.9984606	21	7 11.2	20.0
236678 2006 QY_{44}	14.7	X	44.02521	244.42111	131.22863	10.90930	0.1072820	0.14797468	3.5400640	21	12 29.9	19.7
236679 2006 QB_{60}	15.6	X	286.73542	299.42918	358.07627	15.81652	0.2710750	0.18163934	3.0878968	21	3 16.1	20.4
236680 2006 QH_{64}	15.6	X	105.08675	157.42637	187.41430	16.02968	0.3123596	0.21664910	2.7455632	21	—	—
236681 2006 QA_{100}	16.0	X	300.37585	104.71191	191.09648	6.49411	0.1236950	0.18327549	3.0694916	21	4 18.7	20.1
236682 2006 QU_{104}	14.6	X	305.07581	319.11195	52.48447	5.56934	0.3032897	0.12516804	3.9579813	21	7 4.9	19.8
236683 Hujingyao	16.2	X	104.09256	275.78564	46.09728	8.05472	0.2564551	0.21494861	2.7600246	21	—	—
236684 2006 QZ_{134}	16.1	X	263.47341	119.62209	183.54366	9.76393	0.1984838	0.17603828	3.1530532	21	3 7.6	21.0
236685 2006 RX_{30}	15.8	X	95.99490	94.48208	223.26202	6.78596	0.2290787	0.21277350	2.7788025	21	—	—
236686 2006 RG_{91}	16.0	X	324.70831	76.99285	197.54652	5.09240	0.2184749	0.17993241	3.1073949	21	4 11.4	19.8
236687 2006 SK_{42}	15.1	X	227.60171	252.87921	141.20422	13.32510	0.1247130	0.17735969	3.1373726	21	5 30.9	20.2
236688 2006 SF_{65}	16.0	X	319.32507	144.31288	115.07284	0.87375	0.1214783	0.17596376	3.1539434	21	3 30.1	20.0
236689 2006 ST_{79}	14.9	X	267.02293	75.12041	278.75737	15.09817	0.1337321	0.18032857	3.1028422	21	5 17.4	19.6
236690 2006 SC_{186}	16.0	X	340.24559	274.04207	25.30104	1.93044	0.2829934	0.18640062	3.0350871	21	6 4.6	18.9
236691 2006 SK_{240}	15.9	X	343.45167	208.58389	54.62653	2.13362	0.1089097	0.17975087	3.1094868	21	5 11.4	19.7
236692 2006 SS_{291}	14.7	X	215.31892	263.78953	117.89633	22.44687	0.1579900	0.17532293	3.1616242	21	5 8.8	20.2
236693 2006 UM_{22}	16.0	X	290.97823	91.01461	171.49716	5.49898	0.1243352	0.17285346	3.1916653	21	2 25.2	20.5
236694 2006 UB_{65}	15.7	X	270.16481	243.81795	53.32225	2.22539	0.1654148	0.17208822	3.2011200	21	3 12.7	20.6
236695 2006 WY_{178}	15.2	X	264.75748	249.24773	128.53508	27.02698	0.2548041	0.18012461	3.1051841	21	6 7.6	20.5
236696 2007 DE_{53}	17.1	X	16.03544	317.77878	331.48263	7.23426	0.0973398	0.29846953	2.2175294	21	8 17.8	18.9
236697 2007 DH_{56}	18.3	X	121.82418	100.62924	157.01962	2.53487	0.0581286	0.31634250	2.1331973	21	11 30.3	21.0
236698 2007 DF_{72}	18.2	X	342.18923	262.16156	156.25686	4.33828	0.1177110	0.32168405	2.1095170	21	—	—
236699 2007 EN_{9}	16.6	X	1.24981	217.96509	352.40421	22.95922	0.1786186	0.28014687	2.3131948	21	3 7.3	18.4
236700 2007 EO_{28}	17.0	X	86.49543	293.37427	335.19323	7.23416	0.1130477	0.30889059	2.1673694	21	11 2.3	19.9
236701 2007 EH_{38}	16.6	X	201.08616	73.84707	183.53673	6.18334	0.0945892	0.25777000	2.4452005	21	—	—
236702 2007 EG_{48}	17.3	X	80.58497	237.08893	21.52096	8.26529	0.1403185	0.30131632	2.2035400	21	10 17.9	20.1
236703 2007 EL_{48}	17.4	X	61.59281	154.62138	169.04748	6.38134	0.2067428	0.30852668	2.1690733	21	12 30.5	20.6
236704 2007 EM_{118}	18.1	X	147.18186	124.08264	118.96705	2.68039	0.1208544	0.31142631	2.1555884	21	12 7.9	21.1
236705 2007 ES_{124}	16.5	X	264.13713	14.71514	224.35783	3.95496	0.1787401	0.26468138	2.4024468	21	—	—
236706 2007 EL_{169}	17.9	X	96.86500	31.02731	138.09609	2.08472	0.1052565	0.29039709	2.2584365	21	6 27.2	20.5
236707 2007 EK_{181}	17.6	X	349.66922	319.04179	206.18074	4.56835	0.1800604	0.26948959	2.3737850	21	—	—
236708 2007 EA_{198}	17.5	X	14.34303	269.53735	343.76734	2.64581	0.1713836	0.28730517	2.2746107	21	6 18.2	18.9
236709 2007 EG_{198}	17.4	X	134.76832	182.64836	43.47541	7.28266	0.1090124	0.30550109	2.1833710	21	11 1.9	20.5
236710 2007 EC_{213}	14.8	X	348.37467	172.55006	234.71630	12.98094	0.1516976	0.24516432	2.5283152	21	12 17.9	17.4
236711 2007 FS	17.1	X	343.82066	209.92384	8.93272	4.95159	0.1778636	0.27641066	2.3339928	21	2 15.5	19.4
236712 2007 FO_{7}	17.3	X	32.08594	312.16744	343.97498	4.82349	0.1140692	0.30313996	2.1946937	21	9 28.4	19.4
236713 2007 FE_{15}	17.5	X	111.86267	187.63749	345.25653	4.92348	0.0805351	0.29512079	2.2342727	21	7 21.0	20.3
236714 2007 FJ_{22}	18.3	X	110.62365	240.07197	46.06241	1.80581	0.1478784	0.31301173	2.1483035	21	12 27.1	21.4
236715 2007 FL_{31}	18.1	X	275.45067	353.67024	101.18313	1.11010	0.1082832	0.31179018	2.1539110	21	10 30.9	20.1
236716 2007 FV_{42}	17.9	X	131.85159	181.66012	100.98024	9.83601	0.4729952	0.30725574	2.1750507	21	—	—
236717 2007 GL_{8}	18.3	X	228.63126	250.75899	200.23226	1.03973	0.1181293	0.30180002	2.2011850	21	8 13.0	21.2
236718 2007 GO_{8}	16.9	X	352.26945	166.39080	197.61681	2.83035	0.1900609	0.30484961	2.1864806	21	11 13.7	18.2
236719 2007 GP_{19}	17.8	X	91.51209	40.37888	231.68137	3.37727	0.1174732	0.30364896	2.1922404	21	11 15.7	20.6
236720 2007 GO_{20}	17.1	X	304.06547	80.91339	197.44827	1.52060	0.2172744	0.27469482	2.3437021	21	3 5.0	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
236721 2007 GC_{22}	17.8	X	89.03139	36.89619	198.49763	2.74659	0.1117813	0.29694979	2.2250889	21	9 21.7	20.7
236722 2007 GE_{27}	17.0	X	159.98265	202.19959	182.55558	5.84803	0.0951765	0.26855918	2.3792645	21	2 26.3	20.2
236723 2007 GW_{45}	18.1	X	140.56064	57.39318	167.35702	2.85778	0.1119850	0.30535731	2.1840563	21	11 6.9	21.1
236724 2007 GL_{48}	17.5	X	355.61564	82.37402	175.04145	3.48256	0.0538547	0.28249178	2.3003761	21	5 19.7	19.9
236725 2007 GA_{65}	17.6	X	345.05862	311.11461	1.57545	2.81231	0.0564381	0.29156098	2.2524221	21	7 26.7	19.7
236726 2007 GP_{72}	17.5	X	295.60650	295.91249	13.14280	1.46709	0.2439775	0.28385387	2.2930111	21	3 31.7	20.5
236727 2007 HN_{3}	16.2	X	188.00291	170.87818	31.15152	8.89565	0.0598486	0.24248531	2.5469031	21	11 20.5	19.9
236728 Leandri	15.5	X	116.71040	139.03301	183.85884	10.14241	0.2095039	0.17685910	3.1432900	21	—	—
236729 2007 HZ_{18}	17.5	X	85.40707	144.62271	99.71150	4.76553	0.1484312	0.29839240	2.2179115	21	10 7.7	20.4
236730 2007 HQ_{27}	17.8	X	93.20597	155.57860	95.95493	1.42207	0.1282999	0.29990177	2.2104636	21	10 22.3	20.8
236731 2007 HZ_{32}	17.6	X	357.96820	316.38991	0.75443	2.70147	0.0538859	0.29573986	2.2311536	21	8 25.8	19.6
236732 2007 HK_{51}	17.5	X	333.97048	129.91914	184.43216	4.72929	0.1964795	0.28639527	2.2794259	21	6 22.1	19.3
236733 2007 HY_{76}	17.5	X	93.01447	152.98983	117.22074	4.30320	0.1551506	0.30341482	2.1933681	21	11 19.3	20.6
236734 2007 HZ_{88}	18.1	X	150.50240	42.44976	195.72964	4.22475	0.1764815	0.30894167	2.1671304	21	12 3.1	21.3
236735 2007 HB_{89}	16.5	X	226.45137	199.38808	197.37804	4.00433	0.0817488	0.21491208	2.7603374	21	6 1.5	20.6
236736 2007 JO_{9}	16.9	X	11.61412	190.90881	101.54187	7.73280	0.1383098	0.29096603	2.2554915	21	8 20.2	18.8
236737 2007 JC_{18}	16.3	X	64.61920	201.33604	169.92536	13.76726	0.1552809	0.24359205	2.5391828	21	—	—
236738 2007 JD_{23}	17.5	X	96.89270	150.11691	73.79024	1.43825	0.1635736	0.29777593	2.2209715	21	9 22.7	20.6
236739 2007 JZ_{24}	17.7	X	13.82182	255.91085	59.41584	4.50700	0.1390899	0.29477020	2.2360439	21	10 2.0	19.7
236740 2007 JL_{27}	17.3	X	195.68883	90.79325	117.51924	3.70671	0.0675325	0.31206846	2.1526304	21	12 22.1	19.7
236741 2007 JF_{29}	15.9	X	275.17623	297.74836	81.43362	14.94603	0.0502229	0.21945350	2.7221228	21	7 13.1	19.7
236742 2007 JF_{32}	17.1	X	324.53002	173.73710	106.82144	3.54244	0.1970584	0.27816354	2.3241772	21	4 11.3	19.5
236743 Zhejiangdaxue	17.6	X	110.35703	194.85381	46.22554	2.98687	0.1557370	0.30087156	2.2057111	21	10 28.7	20.8
236744 2007 JZ_{41}	15.9	X	92.87963	256.82174	4.36167	12.20914	0.2075396	0.23245417	2.6196574	21	10 29.6	20.2
236745 2007 KS_{8}	16.0	X	26.43681	58.56300	213.24609	13.32110	0.1456430	0.21843831	2.7305502	21	8 4.5	19.4
236746 Chareslindos	17.0	X	9.40918	350.96799	191.91537	6.86847	0.1082143	0.27016281	2.3698399	21	2 15.1	19.4
236747 2007 LR_{3}	17.5	X	80.52118	117.87294	129.68788	3.59290	0.1453373	0.29551682	2.2322761	21	10 4.6	20.3
236748 2007 LF_{4}	17.2	X	95.42368	125.91819	129.55926	4.12535	0.1210549	0.29946967	2.2125893	21	10 30.6	20.2
236749 2007 LF_{26}	15.9	X	28.97332	265.87810	134.63153	14.17432	0.0526580	0.23600301	2.5933295	21	—	—
236750 2007 LJ_{26}	17.2	X	335.77921	9.63211	211.59625	4.44869	0.1342026	0.26499157	2.4005717	21	2 11.9	20.1
236751 2007 LU_{32}	15.8	X	280.14846	278.66341	265.64430	14.11840	0.0690976	0.24500033	2.5294433	21	—	—
236752 2007 LL_{36}	15.2	X	104.76999	214.14791	127.06885	11.46280	0.1642560	0.17531281	3.1617458	21	—	—
236753 2007 MJ	16.1	X	273.09358	6.54394	89.10028	14.81472	0.0322865	0.22600927	2.6692252	21	10 30.8	19.9
236754 2007 MP_{1}	14.8	X	145.96155	26.61126	277.73463	15.18740	0.1440136	0.17052748	3.2206223	21	—	—
236755 2007 MY_{9}	17.1	X	35.60228	77.84796	152.78527	7.61714	0.1267231	0.28431599	2.2905258	21	6 23.6	19.4
236756 2007 MF_{21}	16.0	X	101.03992	96.72314	287.01777	4.04595	0.1644310	0.17363775	3.1820471	21	1 13.8	20.4
236757 2007 MB_{23}	16.6	X	210.92399	194.27202	127.69063	4.73504	0.1838231	0.25586047	2.4573513	21	2 5.9	20.4
236758 2007 NC_{3}	15.5	X	98.20427	292.34771	130.74472	22.17787	0.1266355	0.17838250	3.1253685	21	2 22.4	19.9
236759 2007 NE_{4}	16.1	X	144.00727	268.14839	18.86102	10.65267	0.1280478	0.23928286	2.5695771	21	—	—
236760 2007 NF_{4}	15.5	X	87.38621	265.84593	49.12409	15.32515	0.1724361	0.23203718	2.6227949	21	12 28.1	19.8
236761 2007 NN_{4}	15.1	X	137.92001	37.83898	207.40166	15.43166	0.2060377	0.23505510	2.6002968	21	11 22.3	19.6
236762 2007 NT_{5}	15.8	X	133.87131	256.57792	47.10596	14.57111	0.1478055	0.23974436	2.5662785	21	—	—
236763 2007 OD_{1}	15.7	X	30.86309	178.93720	128.66919	16.18436	0.1841435	0.21654722	2.7464243	21	10 19.9	19.3
236764 2007 OJ_{1}	15.1	X	135.61265	205.30796	178.46161	18.52997	0.2730751	0.17402188	3.1773628	21	3 1.3	20.4
236765 2007 OA_{2}	16.1	X	5.01228	154.19191	164.99968	10.19113	0.1778025	0.21378734	2.7700104	21	9 9.9	18.8
236766 2007 OB_{3}	16.0	X	165.36337	77.95281	233.17210	3.04142	0.1606931	0.24564930	2.5249863	21	—	—
236767 2007 OP_{5}	16.5	X	266.54333	240.31588	87.29266	5.61116	0.2433079	0.26583389	2.3954980	21	3 31.0	20.3
236768 2007 OJ_{6}	17.0	X	129.66469	341.39369	357.30805	3.20576	0.2081744	0.24216719	2.5491331	21	—	—
236769 2007 OR_{6}	16.5	X	140.91629	194.42700	123.23362	5.17761	0.1465289	0.24151635	2.5537107	21	—	—
236770 2007 ON_{7}	16.9	X	317.34637	128.24459	159.77591	7.03826	0.2219661	0.27086817	2.3657240	21	4 7.4	19.5
236771 2007 PU	16.4	X	229.61292	209.21280	106.34975	2.68321	0.1839345	0.25824851	2.4421790	21	2 14.2	20.5
236772 2007 PP_{2}	15.8	X	293.73891	187.60479	317.23919	8.18367	0.0174680	0.23690488	2.5867436	21	—	—
236773 2007 PD_{5}	17.3	X	330.68680	314.51862	323.93078	3.82129	0.2358221	0.27308170	2.3529226	21	4 8.4	19.6
236774 2007 PE_{5}	16.5	X	252.78756	183.96174	128.83763	2.01823	0.1995160	0.26163084	2.4210853	21	3 1.6	20.3
236775 2007 PG_{5}	14.7	X	193.42434	185.54180	141.18061	27.85207	0.0805686	0.18073653	3.0981713	21	2 3.5	19.5
236776 2007 PH_{10}	17.1	X	290.06689	168.96594	151.48534	1.63440	0.1895863	0.26954198	2.3734774	21	4 19.3	20.1
236777 2007 PL_{10}	16.1	X	356.33838	28.98253	325.07581	6.84716	0.1634681	0.21604992	2.7506372	21	10 8.8	19.0
236778 2007 PP_{10}	16.0	X	358.98154	338.80032	333.91330	5.06545	0.0457827	0.21014510	2.8019252	21	8 14.1	19.4
236779 2007 PX_{11}	16.5	X	169.94350	215.96565	64.87615	4.52166	0.1923429	0.23972362	2.5664265	21	—	—
236780 2007 PY_{11}	16.0	X	102.77699	331.07666	335.97247	9.19967	0.1222796	0.22940776	2.6427981	21	12 30.9	20.2
236781 2007 PG_{15}	16.6	X	251.14603	253.76585	38.39685	2.65224	0.1707348	0.25712496	2.4492882	21	2 5.7	20.4
236782 2007 PD_{16}	15.9	X	56.06893	189.10362	132.44595	10.23427	0.1367949	0.22212421	2.7002592	21	11 30.3	19.8
236783 2007 PD_{20}	16.8	X	262.67502	313.08745	350.74556	1.85272	0.2097918	0.26168617	2.4207440	21	2 26.4	20.4
236784 Livorno	16.3	X	170.63500	25.98912	267.37561	4.27595	0.1046345	0.24297102	2.5435078	21	—	—
236785 Hilendarski	17.1	X	286.67953	185.97790	128.98847	7.73205	0.1498230	0.26831927	2.3806825	21	4 16.6	20.3
236786 2007 PN_{32}	15.6	X	189.63562	0.28106	345.67769	12.19483	0.1313166	0.18197225	3.0841295	21	2 24.9	20.6
236787 2007 PG_{33}	15.6	X	154.79614	71.96169	275.68269	3.07555	0.1690376	0.17448565	3.1717302	21	1 27.9	20.5
236788 2007 PM_{35}	17.6	X	9.68669	144.72679	144.23311	3.27413	0.1712611	0.28122814	2.3072618	21	8 9.3	19.2
236789 2007 PY_{35}	15.3	X	194.55161	358.45263	341.34142	8.57756	0.0627477	0.17895503	3.1186989	21	2 20.8	20.0
236790 2007 PW_{38}	16.8	X	318.19746	137.05375	154.09621	1.48638	0.1817249	0.26931279	2.3748238	21	4 18.9	19.2
236791 2007 PU_{39}	16.9	X	310.04923	35.05124	242.02760	1.66999	0.2039789	0.26848836	2.3796828	21	3 13.2	19.9
236792 2007 PS_{40}	15.0	X	105.80401	56.82427	321.37157	10.47163	0.2353385	0.16972941	3.2307101	21	1 24.8	19.6
236793 2007 PW_{41}	17.0	X	187.74866	149.70872	123.12672	3.59765	0.1818151	0.24334771	2.5408822	21	—	—
236794 2007 PZ_{41}	17.5	X	19.01479	98.35134	168.58670	1.82172	0.1814691	0.28016515	2.3130941	21	7 25.2	19.0
236795 2007 PQ_{42}	16.0	X	246.09448	316.53645	139.20501	5.07814	0.0216427	0.21393452	2.7687397	21	9 20.1	19.8
236796 2007 PC_{44}	14.9	X	125.54801	214.49207	176.47310	15.96252	0.0924073	0.17435396	3.1733271	21	2 7.9	19.7
236797 2007 PE_{50}	15.5	X	79.62643	320.39663	138.94559	9.98992	0.0334562	0.18186465	3.0853458	21	3 1.2	19.7
236798 2007 PG_{50}	16.0	X	344.07743	173.76325	178.32295	13.65585	0.1156113	0.21348279	2.7726442	21	9 13.2	18.9
236799 2007 PO_{50}	15.3	X	33.29325	157.72066	349.06495	9.54445	0.0572517	0.17983113	3.1085615	21	2 28.0	19.3
236800 Broder	16.1	X	323.82830	213.75087	192.14721	13.61247	0.0544836	0.21836150	2.7311906	21	10 28.4	19.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
236801 2007 QC_4	17.0	X	261.98247	101.61677	207.22555	2.14906	0.2096725	0.26217221	2.4177513	21	3 2.9	20.9
236802 2007 QT_7	15.5	X	191.05275	357.54124	344.20714	10.04621	0.0966434	0.17969743	3.1101032	21	2 20.7	20.3
236803 2007 QZ_7	15.5	X	178.44940	335.51154	350.71481	4.98399	0.1282939	0.17439198	3.1728658	21	1 23.9	20.6
236804 2007 QY_8	16.0	X	190.38777	205.16093	154.99882	2.09168	0.2576177	0.18291482	3.0735252	21	3 14.9	21.5
236805 2007 QP_{10}	16.2	X	285.41396	128.50043	243.52346	1.08117	0.0834220	0.20331923	2.8642906	21	7 11.7	20.0
236806 2007 RC_2	15.5	X	301.57128	249.85497	10.78284	9.11058	0.0346801	0.18118109	3.0931013	21	3 20.7	19.7
236807 2007 RH_9	17.1	X	243.19687	40.12293	97.79822	3.63309	0.0184916	0.22416530	2.6838431	21	11 11.3	20.8
236808 2007 RX_{12}	16.6	X	55.36502	326.97682	336.50912	4.00991	0.0780696	0.21732692	2.7398515	21	10 24.1	20.2
236809 2007 RW_{13}	15.7	X	141.92762	293.22990	289.95846	11.70736	0.1097342	0.21955338	2.7212971	21	10 20.8	20.2
236810 Rutten	15.5	X	209.37083	98.29458	223.13369	9.58347	0.0327702	0.18037419	3.1023190	21	2 10.2	20.2
236811 Natascharenate	15.7	X	217.51591	3.80836	281.89064	7.80516	0.0486713	0.17533917	3.1614289	21	1 12.1	20.4
236812 2007 RS_{19}	16.3	X	276.66978	205.37795	216.56541	3.73843	0.0520923	0.21202143	2.7853699	21	9 8.3	20.0
236813 2007 RX_{20}	15.4	X	136.18923	216.53179	155.01885	11.79974	0.1933464	0.17423607	3.1747583	21	2 9.3	20.3
236814 2007 RL_{21}	16.1	X	179.32734	157.17872	187.25303	1.16549	0.1662278	0.17919371	3.1159290	21	2 13.9	21.3
236815 2007 RY_{21}	16.8	X	238.54699	280.70934	56.90525	3.15235	0.2100032	0.25976148	2.4326869	21	3 20.3	20.7
236816 2007 RV_{25}	16.9	X	19.28029	339.28959	295.11554	1.22522	0.0032706	0.20606470	2.8387925	21	7 19.6	20.7
236817 2007 RC_{28}	14.9	X	141.65222	30.86284	2.86041	17.30027	0.2186823	0.17784719	3.1316367	21	3 16.1	20.0
236818 2007 RA_{33}	16.5	X	331.26360	205.77940	64.34397	6.41154	0.2077545	0.26827919	2.3809196	21	4 8.0	18.9
236819 2007 RC_{33}	14.6	X	259.22368	49.19383	329.97438	10.85860	0.2350100	0.12551693	3.9506435	21	5 30.5	20.8
236820 2007 RK_{33}	15.1	X	290.68660	169.80982	78.52467	8.17479	0.0480246	0.17866305	3.1220957	21	2 21.2	19.6
236821 2007 RU_{38}	15.1	X	247.26555	286.57206	349.47963	10.88395	0.0505673	0.17647210	3.1478837	21	2 4.6	19.8
236822 2007 RW_{38}	14.9	X	255.60067	224.42907	181.55491	2.07748	0.2630638	0.12708915	3.9179937	21	6 26.3	20.9
236823 2007 RV_{42}	15.3	X	319.25044	272.60197	317.80486	6.90387	0.0703448	0.18156356	3.0887559	21	2 26.3	19.4
236824 2007 RQ_{47}	15.9	X	136.08402	23.55799	186.38242	9.67402	0.1514653	0.21089770	2.7952554	21	10 5.2	20.2
236825 2007 RS_{52}	17.2	X	182.41754	45.93523	207.72848	11.11265	0.1550334	0.23177912	2.6247414	21	—	—
236826 2007 RS_{53}	15.8	X	74.41848	324.74283	343.78101	12.18352	0.1910009	0.22126091	2.7072784	21	12 7.0	20.1
236827 2007 RN_{59}	15.9	X	3.85206	307.63125	341.76496	8.88935	0.1332027	0.20508793	2.8477989	21	7 24.4	19.2
236828 2007 RO_{61}	16.2	X	329.01641	216.17965	157.79004	5.10487	0.0820708	0.21300112	2.7768225	21	9 20.6	19.5
236829 2007 RM_{63}	16.3	X	267.08006	39.90124	350.47197	5.90653	0.0821581	0.20342129	2.8633325	21	7 13.1	20.4
236830 2007 RL_{67}	15.8	X	106.06207	125.80236	331.27899	3.39939	0.0628943	0.18549516	3.0449559	21	4 1.6	20.1
236831 2007 RE_{68}	16.9	X	91.58026	272.34845	20.18225	3.69171	0.0922953	0.22268820	2.6956981	21	11 26.3	20.8
236832 2007 RA_{78}	16.1	X	277.93893	99.58993	237.18093	1.07441	0.0975460	0.19695552	2.9256606	21	5 14.3	20.3
236833 2007 RB_{78}	16.6	X	215.44262	230.14452	333.90701	5.20317	0.1557838	0.23165939	2.6256457	21	12 12.6	20.4
236834 2007 RH_{78}	16.5	X	306.01575	38.40406	307.13445	1.04698	0.0771660	0.20370098	2.8607109	21	7 6.5	20.0
236835 2007 RA_{79}	16.3	X	182.00199	230.60653	333.47950	3.81284	0.0081998	0.22235052	2.6984266	21	11 17.1	20.0
236836 2007 RE_{79}	15.6	X	30.94209	160.12735	336.06849	3.92817	0.0774806	0.17790549	3.1309525	21	2 11.7	19.6
236837 2007 RG_{79}	16.0	X	324.85593	197.84830	169.02362	12.41948	0.1101544	0.21021064	2.8013427	21	8 30.8	19.3
236838 2007 RG_{80}	16.2	X	214.85200	186.02851	169.40102	7.66801	0.0766574	0.18713789	3.0271102	21	3 31.9	20.7
236839 2007 RN_{91}	16.7	X	78.45987	230.00612	311.53181	0.61098	0.1162656	0.19325477	2.9628925	21	6 22.3	20.7
236840 2007 RX_{95}	16.6	X	100.74118	247.13085	46.13651	5.22250	0.1225176	0.22152437	2.7051314	21	12 9.5	20.8
236841 2007 RO_{96}	15.6	X	37.71331	332.54657	171.10767	9.36623	0.0495388	0.17501784	3.1652973	21	3 1.1	19.8
236842 2007 RF_{99}	16.1	X	189.34304	261.18308	335.65070	8.65895	0.1425229	0.23371348	2.6102386	21	12 28.7	20.2
236843 2007 RB_{112}	15.8	X	117.14380	78.31059	350.16442	3.13837	0.1380215	0.17614222	3.1518127	21	3 22.7	20.4
236844 2007 RD_{116}	15.7	X	185.00989	141.76401	211.57038	4.80693	0.1422057	0.17823895	3.1270463	21	2 27.0	20.7
236845 Houxianglin	15.8	X	108.80436	320.57772	336.18142	10.42163	0.1995733	0.22681907	2.6628682	21	12 27.9	20.4
236846 2007 RW_{129}	16.8	X	254.46654	253.70829	37.26831	2.84389	0.1929544	0.25384826	2.4703203	21	2 6.5	20.7
236847 2007 RJ_{136}	15.6	X	137.60262	231.78916	167.25469	16.16228	0.1097310	0.17798869	3.1299767	21	3 6.3	20.4
236848 2007 RV_{137}	16.6	X	116.05250	333.26419	332.89157	9.75308	0.1863319	0.23070474	2.6328839	21	—	—
236849 2007 RK_{138}	15.7	X	104.42162	14.43731	4.96600	5.32498	0.1343565	0.16780329	3.2553853	21	1 10.9	20.2
236850 2007 RV_{138}	15.7	X	278.66637	310.53689	338.91164	4.24140	0.1372543	0.18763808	3.0217281	21	3 12.2	20.2
236851 Chenchikwan	16.3	X	134.44873	345.86104	290.28276	1.07364	0.1724438	0.22878508	2.6475911	21	12 23.6	20.5
236852 2007 RV_{140}	14.9	X	230.04794	225.84208	188.27698	2.69520	0.2506700	0.12400982	3.9825875	21	6 15.8	21.3
236853 2007 RJ_{142}	15.3	X	87.11507	315.21206	27.58680	14.62456	0.1572568	0.22499701	2.6772251	21	—	—
236854 2007 RZ_{142}	15.3	X	149.46986	258.69403	170.53072	16.68097	0.0615645	0.18625380	3.0366818	21	4 22.6	19.9
236855 2007 RQ_{143}	15.7	X	146.31729	107.44180	266.29376	3.33687	0.1279800	0.17533535	3.1614748	21	2 14.5	20.6
236856 2007 RB_{157}	15.2	X	237.81367	249.95681	144.46692	3.66822	0.2527581	0.12457547	3.9705229	21	5 30.7	21.6
236857 2007 RM_{158}	16.7	X	3.40670	314.57446	30.29250	4.59635	0.0867281	0.21372660	2.7705352	21	10 6.7	19.9
236858 2007 RM_{180}	16.3	X	141.27442	308.81951	350.62602	4.55634	0.1584978	0.23232257	2.6206466	21	—	—
236859 2007 RD_{182}	16.4	X	73.75174	159.83426	148.62345	6.97297	0.0445928	0.22259718	2.6964329	21	11 22.2	20.2
236860 2007 RE_{187}	16.5	X	246.13702	37.92836	197.09554	8.54989	0.1174446	0.23826769	2.5768706	21	—	—
236861 2007 RC_{188}	14.8	X	223.34552	76.13518	344.50598	2.76515	0.1617379	0.12312456	4.0016546	21	6 23.5	21.1
236862 2007 RG_{189}	16.2	X	264.94417	221.95630	144.41220	2.32008	0.0150340	0.19607624	2.9344006	21	6 17.5	20.2
236863 2007 RD_{206}	16.2	X	197.50939	182.00988	149.97888	1.17288	0.1661034	0.17955427	3.1117562	21	2 15.2	21.1
236864 2007 RK_{209}	15.8	X	224.47418	249.72317	69.84552	3.08430	0.1500498	0.18103294	3.0947886	21	2 25.2	20.8
236865 2007 RA_{211}	16.5	X	318.63887	36.53956	290.06066	1.71390	0.0255692	0.20278543	2.8693149	21	7 5.5	20.1
236866 2007 RR_{216}	15.1	X	302.48237	285.43239	341.91515	9.25098	0.0495976	0.18472445	3.0534194	21	3 24.1	19.4
236867 2007 RK_{223}	15.3	X	190.02583	303.16927	28.61470	6.19733	0.1505927	0.17675799	3.1444885	21	2 11.2	20.5
236868 2007 RG_{226}	17.0	X	182.01422	194.82533	99.46731	1.98091	0.1148206	0.23916438	2.5704257	21	—	—
236869 2007 RQ_{227}	15.3	X	260.50153	331.85266	32.60581	9.98425	0.1199733	0.18984387	2.9982763	21	5 24.4	19.8
236870 2007 RB_{242}	16.3	X	109.28283	91.51321	185.26185	12.45086	0.1809143	0.22388607	2.6860742	21	12 3.8	20.8
236871 2007 RP_{242}	16.6	X	346.32065	206.78682	71.95535	2.93731	0.1989758	0.27236999	2.3570197	21	5 21.6	18.3
236872 2007 RR_{253}	16.1	X	181.15389	10.54944	161.84769	9.29295	0.0661637	0.21905308	2.7254390	21	10 6.4	20.1
236873 2007 RA_{262}	15.2	X	114.52839	73.82847	26.88633	16.06867	0.0354878	0.18342808	3.0677892	21	4 14.7	19.6
236874 2007 RT_{263}	17.0	X	318.91077	235.59957	67.99617	2.10758	0.1881081	0.27184877	2.3600315	21	5 7.1	19.2
236875 2007 RQ_{277}	14.8	X	67.90028	214.32624	127.16488	17.54090	0.1292640	0.15408207	3.4458892	21	12 23.4	20.0
236876 2007 RD_{280}	15.8	X	137.25259	229.36932	77.01031	14.26371	0.1338341	0.23600010	2.5933507	21	—	—
236877 2007 RH_{281}	14.6	X	154.04787	354.19749	298.63354	15.32974	0.0579292	0.15828544	3.3846108	21	—	—
236878 2007 RJ_{283}	12.7	X	344.36797	171.86013	257.53864	12.36380	0.0688180	0.08232777	5.2332539	21	11 27.3	19.3
236879 2007 RU_{285}	15.7	X	198.95513	168.28109	117.50457	16.09785	0.2704385	0.24328047	2.5413504	21	—	—
236880 2007 RQ_{286}	16.5	X	215.17206	68.16827	337.47026	5.27355	0.0808821	0.19897259	2.9058546	21	5 30.4	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
236881 2007 RL_{288}	15.6	X	251.45925	180.71567	54.61862	15.67553	0.1413823	0.23916250	2.5704391	21	—	—
236882 2007 RN_{291}	16.4	X	141.94129	37.46394	194.82603	3.63795	0.0941825	0.21851847	2.7298825	21	11 6.2	20.5
236883 2007 RS_{301}	16.1	X	316.99296	223.40392	35.38284	2.34515	0.1556388	0.18796386	3.0182356	21	3 19.8	19.9
236884 2007 SD_{2}	14.7	X	209.35454	118.00801	305.64579	7.42561	0.1393894	0.12461095	3.9697691	21	6 15.6	20.8
236885 2007 SZ_{2}	16.0	X	151.03657	111.06876	180.03497	14.42013	0.1131304	0.23404270	2.6077902	21	—	—
236886 2007 SR_{3}	15.2	X	154.13973	52.33513	15.00740	14.97249	0.1017232	0.18227078	3.0807611	21	4 22.5	20.0
236887 2007 SP_{5}	16.4	X	8.77850	172.30671	192.11153	6.18732	0.1215116	0.21619221	2.7494301	21	11 14.8	19.6
236888 2007 SQ_{5}	15.3	X	160.33899	43.04962	8.45292	15.92401	0.0465603	0.18312853	3.0711336	21	4 6.9	19.7
236889 2007 SU_{5}	15.6	X	111.30195	35.06098	7.53607	4.79361	0.1506680	0.17143531	3.2092425	21	2 17.4	20.1
236890 2007 SY_{11}	15.5	X	220.47953	178.94175	132.89888	7.78669	0.2914305	0.17911967	3.1167875	21	2 9.2	21.1
236891 2007 SO_{12}	15.2	X	23.03990	262.93263	280.50474	8.89629	0.0505339	0.18160543	3.0882811	21	3 25.3	19.5
236892 2007 TJ_{7}	15.9	X	37.89911	227.68487	335.75805	5.62985	0.1451803	0.18796683	3.0182039	21	5 23.1	19.5
236893 2007 TT_{9}	15.7	X	119.47963	249.61351	177.42969	3.52050	0.1629985	0.17514556	3.1637583	21	3 27.3	20.2
236894 2007 TN_{14}	15.1	X	215.71933	4.92693	74.80406	3.88622	0.1538790	0.12503794	3.9607264	21	7 9.5	21.2
236895 2007 TZ_{16}	15.8	X	206.21188	160.55238	207.09201	15.99135	0.1163843	0.18208214	3.0828885	21	4 4.1	20.8
236896 2007 TH_{17}	15.9	X	188.64016	132.12610	222.16031	8.18038	0.0805692	0.17398677	3.1777903	21	2 28.9	20.9
236897 2007 TU_{17}	15.1	X	164.14125	36.28242	13.39943	11.07675	0.0830708	0.17978194	3.1091285	21	4 12.3	19.8
236898 2007 TF_{21}	15.6	X	244.52333	76.67618	283.81674	7.85457	0.0527741	0.18967480	3.0000579	21	5 8.5	20.0
236899 2007 TF_{30}	15.3	X	124.02257	312.52145	210.25053	15.53725	0.1396358	0.19134891	2.9825338	21	7 20.9	20.2
236900 2007 TB_{31}	16.1	X	350.56208	43.46697	213.23482	1.63536	0.1145140	0.18676691	3.0311174	21	5 13.4	19.7
236901 2007 TX_{31}	15.7	X	170.58727	195.84802	99.60397	14.27251	0.2651169	0.24012820	2.5635430	21	—	—
236902 2007 TK_{32}	17.2	X	336.23628	80.42000	184.61682	2.27248	0.2272101	0.26869366	2.3784705	21	4 2.8	19.5
236903 2007 TR_{54}	15.7	X	304.31537	161.54358	134.16558	1.65354	0.2098663	0.18972662	2.9995115	21	4 10.1	19.7
236904 2007 TF_{55}	15.4	X	51.00267	312.74592	28.60060	18.04139	0.1443215	0.21733646	2.7397714	21	12 13.8	19.5
236905 2007 TK_{65}	16.3	X	346.26423	225.44311	40.59319	6.25509	0.1250234	0.18835903	3.0140128	21	5 17.0	19.7
236906 2007 TN_{65}	15.8	X	284.14437	62.17685	213.22677	4.17137	0.0613241	0.17672706	3.1448554	21	3 11.8	20.3
236907 2007 TR_{67}	15.6	X	242.05727	222.76931	188.47714	13.80851	0.0839624	0.19661830	2.9290049	21	7 6.3	20.1
236908 2007 TO_{92}	16.3	X	310.16336	237.23659	142.45369	5.13817	0.0871313	0.21000483	2.8031728	21	8 28.2	19.7
236909 Jakoberwin	16.2	X	150.06549	206.18621	202.07051	1.35554	0.0790318	0.17988918	3.1078927	21	3 27.3	20.6
236910 2007 TP_{97}	15.6	X	154.26793	281.70458	101.07435	2.75679	0.1327602	0.17480480	3.1678685	21	3 7.8	20.4
236911 2007 TX_{99}	15.8	X	313.28088	146.09619	115.69286	2.97243	0.1589816	0.18017156	3.1046446	21	3 19.7	19.9
236912 2007 TE_{108}	16.0	X	131.01001	121.71579	358.50202	8.13816	0.0402882	0.19357392	2.9596350	21	5 27.3	20.3
236913 2007 TJ_{111}	15.0	X	297.08449	17.15053	258.47079	8.08756	0.0982746	0.18493546	3.0510963	21	3 18.8	19.4
236914 2007 TJ_{120}	16.0	X	224.11574	258.98991	107.80028	3.11687	0.0872392	0.18540434	3.0459501	21	4 24.3	20.7
236915 2007 TL_{124}	16.1	X	55.52189	113.14258	177.58429	4.39358	0.0835169	0.20851361	2.8165218	21	10 9.8	19.9
236916 2007 TT_{124}	16.2	X	59.32307	251.61775	62.85577	4.30683	0.0885198	0.21421086	2.7663581	21	11 15.1	19.9
236917 2007 TT_{137}	15.8	X	70.84357	315.21376	8.23835	13.01692	0.1501583	0.21788217	2.7351947	21	12 16.9	20.1
236918 2007 TM_{142}	16.0	X	260.53089	2.83773	329.73347	0.69985	0.1698537	0.18909794	3.0061561	21	4 10.9	20.6
236919 2007 TT_{144}	15.9	X	210.09829	210.11403	126.01088	1.78480	0.1655574	0.17945317	3.1129247	21	3 2.9	21.0
236920 2007 TO_{145}	16.7	X	86.52058	126.17978	186.97212	4.42844	0.2457438	0.22317538	2.6917735	21	12 29.8	21.2
236921 2007 TE_{146}	15.5	X	210.70470	339.90058	25.08274	9.41603	0.0815087	0.18210386	3.0826433	21	4 8.0	20.1
236922 2007 TA_{154}	15.1	X	293.55614	300.03028	348.13873	8.88767	0.0585125	0.18500620	3.0503186	21	4 6.1	19.3
236923 2007 TJ_{155}	15.4	X	225.21834	354.40833	359.10341	12.09212	0.0710132	0.18330886	3.0691191	21	4 6.5	20.0
236924 2007 TS_{160}	15.5	X	81.33085	315.97556	24.53951	11.89482	0.2235728	0.22229469	2.6988784	21	—	—
236925 2007 TH_{165}	14.8	X	269.52038	217.29324	177.23032	2.86995	0.2661832	0.12495027	3.9625788	21	6 25.5	20.6
236926 2007 TP_{189}	16.6	X	224.06150	220.30442	352.67548	11.69792	0.1382834	0.23384720	2.6092435	21	—	—
236927 2007 TC_{194}	15.5	X	205.07426	347.77666	2.17939	13.86626	0.0353256	0.17934156	3.1142162	21	3 16.5	20.1
236928 2007 TW_{194}	16.4	X	74.81166	71.69612	179.11921	1.89248	0.1120772	0.20345775	2.8629904	21	9 16.1	20.3
236929 2007 TN_{205}	16.3	X	130.06933	271.76322	317.31615	3.89811	0.1168234	0.22006032	2.7171162	21	10 19.9	20.6
236930 2007 TS_{207}	16.4	X	113.60683	218.79641	7.74099	4.84353	0.1023088	0.21210244	2.7846607	21	9 29.8	20.6
236931 2007 TF_{209}	16.7	X	121.09613	130.98392	186.84837	4.44869	0.1532541	0.23029985	2.6359689	21	—	—
236932 2007 TM_{210}	14.8	X	111.31979	84.50264	36.98311	18.65459	0.0443686	0.18079347	3.0975208	21	5 6.0	19.1
236933 2007 TF_{219}	15.6	X	216.01656	348.74478	337.16326	10.20730	0.0613005	0.18213058	3.0823419	21	2 25.7	20.0
236934 2007 TE_{233}	15.5	X	49.48429	72.00703	53.50886	9.20904	0.0434971	0.16850184	3.2463820	21	2 28.7	20.0
236935 2007 TE_{254}	15.5	X	213.78786	194.29425	203.03760	12.63118	0.0637803	0.18657169	3.0332314	21	5 22.1	20.1
236936 2007 TK_{263}	16.1	X	309.07910	155.79896	201.65342	1.21789	0.0765050	0.19768735	2.9184357	21	7 26.9	19.7
236937 2007 TF_{275}	15.6	X	115.01936	16.51743	83.98707	3.78324	0.0648743	0.18199571	3.0838644	21	4 20.3	19.9
236938 2007 TC_{281}	16.2	X	153.88307	268.22226	6.88556	14.47716	0.1546156	0.23081650	2.6320339	21	—	—
236939 2007 TQ_{287}	14.8	X	178.80686	270.88247	48.36637	15.93156	0.0934332	0.17052694	3.2206292	21	1 16.1	20.0
236940 2007 TK_{291}	16.0	X	34.62208	151.35449	202.22609	5.89468	0.0378418	0.21968295	2.7202270	21	11 27.0	19.6
236941 2007 TM_{297}	16.1	X	129.32754	262.65555	342.50678	10.82938	0.1605917	0.22363903	2.6880519	21	11 7.6	20.7
236942 2007 TD_{322}	15.5	X	230.02882	250.71317	58.86258	6.58469	0.1023797	0.17598908	3.1536408	21	2 22.9	20.5
236943 2007 TB_{332}	15.5	X	261.12981	269.02435	14.08280	5.10063	0.1174961	0.17393557	3.1784139	21	2 20.5	20.3
236944 2007 TA_{353}	16.0	X	262.19201	163.69142	144.44227	1.40007	0.1482843	0.18744132	3.0238424	21	3 17.1	20.5
236945 2007 TE_{353}	15.3	X	173.16936	204.43849	196.77057	15.42745	0.0415839	0.18186898	3.0852968	21	4 10.9	19.8
236946 2007 TL_{365}	16.6	X	168.70715	260.09357	22.93817	7.66079	0.1933199	0.23613107	2.5923917	21	—	—
236947 2007 TO_{374}	16.4	X	87.18464	292.06270	356.77904	4.71181	0.1399442	0.21875343	2.7279273	21	11 20.8	20.6
236948 2007 TP_{385}	16.0	X	342.89452	290.14903	17.30639	13.51566	0.1057930	0.19903414	2.9052555	21	7 12.7	19.8
236949 2007 TZ_{399}	16.2	X	98.95687	19.29879	254.71351	5.26862	0.1638204	0.21316777	2.7753751	21	11 16.9	20.5
236950 2007 TF_{411}	15.9	X	80.41491	359.85227	318.76952	2.93025	0.0759085	0.22152529	2.7051240	21	12 14.5	19.7
236951 2007 TD_{419}	15.9	X	122.30486	257.27483	121.29453	10.35784	0.1379392	0.23645526	2.5900217	21	1 16.8	19.1
236952 2007 UW_{9}	15.3	X	243.16135	158.24013	165.25973	12.35319	0.1228573	0.18313465	3.0710652	21	3 19.9	20.0
236953 2007 UF_{14}	15.1	X	264.78942	264.43653	37.85065	16.87867	0.0640224	0.17894120	3.1188595	21	3 29.1	19.8
236954 2007 UP_{21}	16.0	X	218.41670	172.58388	200.29833	4.77406	0.0590745	0.18382392	3.0633835	21	4 26.5	20.4
236955 2007 UG_{23}	15.3	X	154.97376	45.36925	53.16875	10.15265	0.0485952	0.18546937	3.0452380	21	5 30.5	19.7
236956 2007 UN_{26}	16.0	X	311.39887	237.29971	93.59632	3.39579	0.0747957	0.20055313	2.8905673	21	6 24.8	19.8
236957 2007 UF_{34}	15.5	X	161.57864	292.37646	72.47643	6.15578	0.1689797	0.17470262	3.1691036	21	2 25.8	20.6
236958 2007 UT_{38}	16.1	X	70.84747	227.41278	47.29431	2.19449	0.1856104	0.21110810	2.7933978	21	10 22.9	20.2
236959 2007 US_{59}	15.8	X	13.46315	175.46326	46.93060	3.65914	0.0596599	0.18164917	3.0877854	21	5 5.9	19.9
236960 2007 UX_{74}	16.0	X	348.97705	34.97161	219.16443	5.82709	0.0717950	0.18618517	3.0374280	21	5 10.5	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
236961 2007 UU_{98}	16.0	X	291.05611	272.15190	54.93373	1.82941	0.1601537	0.18882737	3.0090270	21	5 9.9	20.1
236962 2007 UD_{99}	15.9	X	215.81054	308.37155	22.93168	0.48353	0.0990672	0.17266443	3.1939943	21	3 4.1	20.9
236963 2007 UF_{105}	16.1	X	147.83803	68.81680	191.80192	4.99124	0.0806967	0.21424719	2.7660454	21	12 15.3	20.3
236964 2007 UX_{118}	15.5	X	47.05510	178.90185	38.90059	11.54925	0.1194721	0.18573624	3.0423204	21	6 25.1	19.5
236965 2007 VZ_{73}	16.2	X	309.58032	99.95854	176.06702	2.74768	0.0844526	0.18605816	3.0388101	21	4 10.9	20.2
236966 2007 VO_{89}	15.4	X	93.33193	43.24468	55.48566	19.58888	0.1552914	0.17125786	3.2114589	21	4 12.3	20.1
236967 2007 VG_{114}	16.0	X	309.51421	165.65532	232.33012	11.22648	0.0221893	0.20122792	2.8841016	21	9 21.7	20.2
236968 2007 VD_{180}	16.0	X	9.88309	102.63751	98.18233	3.17403	0.0685922	0.17709495	3.1404986	21	4 4.8	20.1
236969 2007 VU_{234}	15.8	X	242.55265	222.36973	75.60995	6.45427	0.1529723	0.17056063	3.2202050	21	2 18.6	21.0
236970 2007 XB_{3}	14.9	X	160.11375	341.80390	66.31509	10.30280	0.0868575	0.17549684	3.1595351	21	4 12.2	19.8
236971 2007 XC_{18}	16.2	X	88.68670	137.38388	168.31289	4.46171	0.0546947	0.21092769	2.7949903	21	12 4.6	20.2
236972 2008 AV_{3}	15.3	X	87.96954	66.09829	69.98419	14.95404	0.0371447	0.17095598	3.2152384	21	5 1.2	19.9
236973 2008 CK_{157}	14.5	X	222.08865	348.00289	187.69947	10.61854	0.0762884	0.12422110	3.9780704	21	11 10.7	20.4
236974 2008 EK_{137}	13.4	X	271.88101	148.76466	180.34350	19.25607	0.0846107	0.08302260	5.2040146	21	5 9.8	20.5
236975 2008 HG_{22}	16.4	X	342.64205	195.66010	157.47309	13.18340	0.2895895	0.23936500	2.5689892	21	9 18.9	17.7
236976 2008 JA_{15}	17.1	X	184.30437	13.80536	65.99076	27.41091	0.1017582	0.38448359	1.8730564	21	6 2.5	19.2
236977 2008 ND_{5}	15.0	X	72.96048	260.80834	118.69284	19.39374	0.1895132	0.17562846	3.1579564	21	—	—
236978 2008 OG_{3}	16.7	X	115.59083	222.00952	146.18128	5.30104	0.3168506	0.25896960	2.4376435	21	1 16.3	19.7
236979 2008 OQ_{7}	16.3	X	271.94967	48.18501	203.30676	6.98361	0.0570032	0.25955172	2.4339974	21	1 13.1	19.8
236980 2008 OT_{9}	16.6	X	357.10969	42.28709	141.75076	24.23356	0.0497632	0.35342095	1.9812587	21	1 16.2	18.7
236981 2008 OG_{12}	17.3	X	229.02129	209.79784	142.45623	6.85359	0.2217157	0.28386243	2.2929651	21	3 28.7	21.1
236982 2008 OY_{12}	16.0	X	297.69850	163.12372	145.68942	7.91645	0.0750425	0.21556786	2.7547364	21	5 8.5	19.7
236983 2008 OJ_{25}	16.5	X	227.64802	92.68431	348.39384	8.47859	0.2390355	0.21636855	2.7479360	21	7 18.4	21.1
236984 Astier	17.3	X	19.57908	353.26376	315.50910	3.75439	0.1284030	0.30267404	2.1969454	21	9 27.5	19.3
236985 2008 PA_{22}	15.7	X	273.77604	286.30896	94.34054	6.53157	0.0869400	0.21963197	2.7206479	21	7 7.2	19.2
236986 2008 QU_{9}	15.4	X	98.69344	341.87952	344.50178	19.49154	0.1349928	0.17139823	3.2097053	21	—	—
236987 Deustua	17.1	X	141.64361	193.76718	172.84192	1.34961	0.2058495	0.26364880	2.4087155	21	1 28.1	20.4
236988 Robberto	17.5	X	106.86128	54.01437	335.60968	1.96531	0.1990635	0.26035480	2.4289896	21	1 14.6	20.2
236989 2008 QW_{44}	17.1	X	195.20023	61.85337	347.39384	6.76267	0.1300329	0.28351334	2.2948469	21	5 6.6	20.5
236990 2008 QH_{46}	17.0	X	136.87203	224.44506	163.61979	7.02244	0.1427788	0.26795191	2.3828579	21	2 9.7	20.2
236991 2008 RM_{4}	17.3	X	312.95773	203.32621	237.75947	1.52775	0.1871100	0.23412253	2.6071974	21	11 22.7	19.3
236992 2008 RF_{9}	15.8	X	203.36824	216.94673	353.07706	15.29969	0.1639239	0.24268879	2.5454793	21	12 6.2	20.0
236993 2008 RC_{10}	16.0	X	8.58596	61.38767	47.73183	1.67305	0.1508964	0.17643624	3.1483102	21	—	—
236994 2008 RT_{10}	17.4	X	88.18714	26.66702	46.44194	1.91826	0.1614621	0.26259622	2.4151479	21	2 8.2	19.8
236995 2008 RW_{15}	15.7	X	140.63779	114.19048	195.27008	9.40596	0.2216873	0.17684120	3.1435021	21	—	—
236996 2008 RB_{23}	16.2	X	273.83242	60.05421	324.75834	8.38537	0.1783246	0.21534513	2.7566355	21	6 29.9	20.1
236997 2008 RE_{24}	15.5	X	12.27991	340.23466	313.88356	11.06512	0.1827718	0.22213614	2.7001625	21	8 18.0	18.1
236998 2008 RG_{35}	17.6	X	102.53838	62.94820	335.28877	2.19946	0.1823707	0.25880512	2.4386762	21	1 17.5	20.1
236999 2008 RQ_{39}	17.7	X	142.30766	142.07403	349.27430	4.77485	0.1039483	0.28719325	2.2752016	21	7 1.8	20.9
237000 2008 RM_{41}	17.5	X	63.28042	244.15418	109.97566	0.63134	0.1898515	0.24350254	2.5398051	21	—	—
237001 2008 RK_{46}	15.6	X	85.35730	34.18725	13.27266	10.83029	0.0484518	0.18084770	3.0969015	21	1 6.8	20.0
237002 2008 RY_{75}	17.2	X	356.76426	267.30352	161.13240	5.51311	0.2245399	0.24137600	2.5547005	21	—	—
237003 2008 RW_{80}	15.6	X	211.53889	93.15888	253.96270	8.80580	0.0048196	0.18375242	3.0641781	21	3 15.1	20.2
237004 2008 RT_{94}	16.0	X	284.79534	170.88633	174.52945	6.64106	0.0970624	0.21556234	2.7547834	21	6 3.8	19.8
237005 2008 RQ_{97}	16.7	X	287.19990	13.27090	48.94957	5.26071	0.1052095	0.21863958	2.7288743	21	9 20.7	20.1
237006 2008 RJ_{102}	16.8	X	235.52181	306.73908	149.21056	3.45792	0.1540692	0.21843674	2.7305633	21	8 19.8	20.9
237007 2008 RB_{104}	16.1	X	2.47113	274.75366	260.80204	4.56492	0.1189400	0.19062007	2.9901316	21	2 11.4	19.8
237008 2008 RL_{104}	15.3	X	78.27449	188.91317	176.42332	22.91351	0.1073098	0.17403973	3.1771456	21	—	—
237009 2008 RR_{107}	16.9	X	229.81122	359.22638	343.53550	6.80874	0.2088661	0.27669100	2.3324161	21	3 15.5	20.8
237010 2008 RK_{114}	17.2	X	321.04285	98.67747	11.64223	8.28253	0.1442630	0.23991288	2.5650766	21	—	—
237011 2008 RW_{118}	16.1	X	224.44568	116.16930	5.81526	14.92756	0.1422137	0.22238107	2.6981795	21	9 14.7	20.1
237012 2008 RT_{125}	17.0	X	33.00053	312.23385	184.22179	3.11594	0.0800199	0.26569266	2.3963469	21	1 24.1	19.6
237013 2008 RX_{140}	16.2	X	243.41519	283.07375	210.75410	4.79490	0.1364377	0.22206906	2.7007062	21	10 18.8	20.0
237014 2008 RU_{144}	17.1	X	56.75420	46.22489	132.08110	3.94952	0.0533560	0.28033621	2.3121531	21	5 3.3	19.6
237015 2008 SL_{2}	15.6	X	325.44185	212.05044	184.10055	14.20585	0.1831328	0.22740401	2.6582999	21	10 13.4	18.0
237016 2008 SX_{5}	15.6	X	316.70504	348.12223	37.28396	11.50487	0.1425734	0.22413937	2.6840501	21	9 17.3	18.6
237017 2008 SX_{8}	16.7	X	87.96586	71.54198	325.77797	5.64793	0.1241797	0.25756226	2.4465151	21	—	—
237018 2008 SA_{23}	17.3	X	300.68729	88.99498	337.99543	3.10178	0.1530389	0.23106479	2.6301481	21	10 10.4	20.2
237019 2008 SP_{25}	17.2	X	79.82938	32.38741	2.07963	2.34771	0.1936665	0.25409767	2.4687035	21	—	—
237020 2008 SK_{26}	16.3	X	280.60291	238.91547	168.61172	8.84710	0.2464291	0.21969104	2.7201602	21	7 26.3	20.0
237021 2008 SK_{27}	17.7	X	158.75337	40.98941	0.16486	2.06867	0.0794004	0.27199031	2.3592127	21	3 17.5	20.6
237022 2008 SA_{36}	16.8	X	314.97718	11.89152	32.52157	2.38962	0.0928967	0.22668814	2.6638935	21	10 10.5	19.9
237023 2008 SV_{38}	16.2	X	68.89913	56.06383	44.77351	3.59008	0.1299403	0.18437009	3.0573306	21	2 28.3	20.0
237024 2008 ST_{39}	16.5	X	298.49648	39.22401	38.75828	4.83888	0.0797915	0.23006296	2.6377781	21	10 31.7	19.7
237025 2008 SY_{39}	13.2	X	274.71785	25.59221	96.42345	3.01879	0.0450138	0.07914955	5.3724256	21	11 4.7	20.1
237026 2008 SY_{42}	16.4	X	306.18643	80.17420	12.35644	7.47200	0.1944778	0.23172994	2.6251126	21	11 21.5	19.1
237027 2008 SH_{62}	17.8	X	125.31980	91.82963	331.73923	3.79387	0.1925248	0.26999064	2.3708472	21	3 20.9	21.0
237028 2008 SP_{65}	16.4	X	271.48619	96.39572	338.86840	0.93450	0.0580652	0.22131130	2.7068674	21	9 20.3	20.0
237029 2008 SL_{67}	17.0	X	102.60118	293.94795	8.92030	1.73124	0.0309161	0.23659190	2.5890244	21	12 19.1	20.6
237030 2008 SB_{68}	15.5	X	215.43291	276.65211	178.21997	12.25000	0.1892102	0.21265127	2.7798673	21	7 24.1	20.3
237031 2008 ST_{71}	16.9	X	303.47996	150.24304	313.81915	3.30968	0.2127026	0.23496473	2.6009636	21	12 3.6	19.1
237032 2008 SZ_{72}	15.7	X	36.03901	178.86570	206.52201	7.48909	0.2044025	0.23714120	2.5850248	21	—	—
237033 2008 SO_{80}	16.2	X	350.30657	56.41594	359.27766	7.49373	0.1867593	0.23377352	2.6097917	21	—	—
237034 2008 SQ_{85}	17.4	X	182.18003	148.37484	319.83497	5.36370	0.0955414	0.29449185	2.2374527	21	7 15.7	20.3
237035 2008 SL_{91}	13.3	X	15.87271	172.97792	217.04514	6.75118	0.0691533	0.08166920	5.2613498	21	11 24.3	19.9
237036 2008 SY_{93}	17.2	X	8.23045	271.80674	320.84711	2.93339	0.1055721	0.28072578	2.3100135	21	4 28.9	19.3
237037 2008 SK_{104}	16.1	X	68.24428	249.11791	207.24066	0.45621	0.1984161	0.17942481	3.1132528	21	3 2.0	19.8
237038 2008 SN_{104}	16.6	X	14.07622	317.04228	28.20211	3.21293	0.1850858	0.22867536	2.6484380	21	11 7.2	19.4
237039 2008 SM_{106}	16.4	X	282.57637	299.41753	79.00238	1.67136	0.0864777	0.21335122	2.7737839	21	7 16.4	19.9
237040 2008 SK_{110}	16.7	X	76.08864	9.82761	100.71664	2.28877	0.2348582	0.18529711	3.0471251	21	4 7.3	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
237041 2008 SO_{116}	17.3	X	144.23086	207.44333	351.81881	2.05807	0.1373129	0.30070812	2.2065102	21	10 6.4	20.4
237042 2008 SK_{117}	16.8	X	261.00557	172.48943	281.10578	0.89478	0.1190195	0.22278893	2.6948855	21	9 20.9	20.5
237043 2008 SM_{117}	17.6	X	151.04158	330.51573	206.05951	5.14427	0.0205495	0.29709008	2.2243884	21	9 9.2	20.3
237044 2008 SW_{120}	16.9	X	10.29250	351.53037	8.37231	5.86729	0.1048223	0.30764813	2.1732008	21	11 26.5	19.1
237045 2008 SE_{125}	16.9	X	243.39416	99.04328	280.42288	0.94611	0.1045407	0.20596188	2.8397372	21	5 26.9	20.9
237046 2008 SV_{125}	17.2	X	45.06175	39.82839	335.08758	1.29982	0.0786311	0.23958413	2.5674226	21	—	—
237047 2008 SA_{126}	16.4	X	133.05097	155.97001	281.67452	0.96838	0.0848270	0.19251664	2.9704611	21	4 12.5	20.8
237048 2008 SF_{126}	16.7	X	203.68925	309.94622	211.43505	12.46897	0.2018999	0.22288285	2.6941284	21	10 3.8	21.1
237049 2008 SU_{128}	17.2	X	321.58092	270.82625	354.72010	3.90152	0.0352318	0.27534947	2.3399858	21	4 8.6	19.9
237050 2008 SC_{130}	16.1	X	252.38231	183.20489	233.09507	5.25536	0.0827727	0.21313347	2.7756729	21	7 25.9	20.0
237051 2008 SE_{131}	16.2	X	273.96412	272.85670	217.98846	8.55379	0.1516808	0.23188337	2.6239546	21	11 25.5	19.2
237052 2008 SN_{135}	17.3	X	253.58494	260.29589	148.99436	6.61256	0.0753269	0.29648970	2.2273902	21	7 21.9	20.0
237053 2008 SD_{149}	14.6	X	133.94969	16.70663	84.37868	10.76213	0.0490523	0.12516256	3.9580970	21	5 15.8	20.4
237054 2008 SE_{150}	15.7	X	306.79055	251.64254	205.17131	12.99158	0.1098912	0.23317884	2.6142270	21	12 8.4	18.8
237055 2008 SN_{157}	17.2	X	173.67601	44.54164	354.00563	5.61443	0.1477748	0.27477396	2.3432521	21	4 3.4	20.8
237056 2008 SB_{158}	16.2	X	266.78719	80.84177	353.47035	7.04310	0.1218748	0.22373399	2.6872913	21	9 4.1	19.6
237057 2008 SW_{159}	17.8	X	270.45225	160.74349	214.21532	1.87080	0.1717787	0.29032842	2.2587926	21	6 10.7	20.7
237058 2008 SR_{162}	17.1	X	184.61401	295.21878	158.63988	1.66005	0.1207143	0.28629628	2.2799513	21	6 27.5	20.3
237059 2008 SK_{167}	15.8	X	243.61535	17.73841	36.62095	9.82862	0.1524724	0.21176779	2.7875935	21	7 6.9	20.1
237060 2008 ST_{181}	16.7	X	298.12674	53.47713	61.78080	4.29819	0.0752047	0.23495915	2.6010047	21	12 21.6	19.9
237061 2008 SU_{194}	16.2	X	183.46479	294.81168	205.49316	7.53386	0.2191378	0.21138230	2.7909816	21	8 20.0	21.1
237062 2008 SA_{195}	16.6	X	309.59168	257.30787	158.01758	0.62381	0.1606733	0.22485149	2.6783801	21	10 9.5	19.4
237063 2008 SX_{197}	16.4	X	337.53650	211.73243	181.81907	5.00778	0.1272542	0.22723557	2.6596134	21	11 3.7	19.1
237064 2008 SA_{202}	16.4	X	272.98059	106.61262	21.17447	13.22094	0.1118461	0.23166072	2.6256356	21	11 21.5	19.9
237065 2008 SW_{203}	16.4	X	330.01259	244.29178	143.26158	3.78487	0.1016839	0.22460035	2.6803762	21	10 12.9	19.5
237066 2008 SW_{204}	16.5	X	287.43067	255.23571	156.23458	5.27531	0.1429075	0.21867593	2.7285719	21	8 28.8	19.8
237067 2008 SR_{208}	16.7	X	339.14243	308.31707	92.52007	3.76689	0.0963668	0.22572050	2.6715013	21	11 15.2	19.6
237068 2008 SP_{210}	16.9	X	104.69605	54.47956	54.95988	7.72560	0.0605694	0.27153333	2.3618589	21	4 9.7	19.7
237069 2008 SA_{225}	16.4	X	231.90574	240.10789	210.20126	7.02203	0.1933312	0.21399505	2.7682177	21	8 2.4	21.0
237070 2008 SM_{246}	16.9	X	303.12508	159.02668	310.33701	2.57189	0.1720999	0.23728811	2.5839577	21	12 15.7	19.3
237071 2008 SP_{246}	17.5	X	18.25404	75.79840	353.68873	10.18556	0.1702103	0.24526681	2.5276107	21	—	—
237072 2008 SR_{251}	16.1	X	217.66875	135.83635	325.13255	1.56671	0.0124773	0.21736580	2.7395248	21	8 20.9	19.8
237073 2008 SE_{258}	17.7	X	294.31025	23.36666	337.74924	3.13629	0.1767804	0.29144577	2.2530157	21	6 23.6	20.2
237074 2008 SU_{259}	16.3	X	298.46407	207.36741	229.84274	9.15685	0.1132028	0.22847755	2.6499663	21	10 25.6	19.3
237075 2008 SM_{261}	16.5	X	239.19954	246.85523	175.28488	6.85052	0.0455212	0.21230655	2.7828755	21	7 22.4	20.5
237076 2008 SE_{264}	16.5	X	171.98305	346.86790	188.38179	4.82153	0.0595129	0.21976209	2.7195739	21	9 27.8	20.4
237077 2008 SG_{270}	16.3	X	88.42504	257.31531	197.33177	6.49706	0.1981903	0.18422624	3.0589219	21	3 27.8	20.3
237078 2008 SE_{281}	16.1	X	213.35415	248.11561	99.65558	2.94340	0.0941638	0.18846716	3.0128598	21	3 20.8	20.7
237079 2008 SH_{284}	15.8	X	326.26203	88.16978	355.83251	21.80977	0.0808515	0.23374153	2.6100298	21	12 24.6	19.4
237080 2008 SL_{287}	16.0	X	294.68831	253.09444	179.02394	13.56378	0.0839332	0.22670411	2.6637683	21	10 19.1	19.3
237081 2008 SM_{290}	16.5	X	302.46662	323.46381	151.42486	3.92722	0.1984585	0.23545716	2.5973359	21	12 19.9	18.9
237082 2008 SB_{298}	17.4	X	208.94766	189.10359	201.28037	1.33016	0.0458390	0.28260494	2.2997620	21	4 30.5	20.3
237083 2008 SN_{299}	16.8	X	302.24066	281.79783	162.04398	4.15591	0.1200063	0.23032085	2.6358086	21	11 12.2	19.7
237084 2008 SQ_{300}	15.6	X	74.96756	131.49237	321.23889	14.97529	0.1662646	0.18225296	3.0809619	21	2 27.3	19.5
237085 2008 SK_{301}	16.4	X	325.30405	242.53182	131.31806	4.33277	0.1658020	0.22398300	2.6852992	21	9 10.0	19.1
237086 2008 SJ_{309}	16.9	X	3.04236	307.89854	138.91436	0.11312	0.0370545	0.24084996	2.5584190	21	—	—
237087 2008 TJ_{1}	17.2	X	103.05058	161.53915	22.80431	6.40195	0.0507600	0.29093237	2.2556655	21	7 22.0	20.0
237088 2008 TW_{2}	16.3	X	215.89370	302.23359	39.70925	10.43951	0.2964900	0.27317987	2.3523589	21	3 8.8	20.7
237089 2008 TB_{6}	17.7	X	347.57463	329.13709	13.65497	5.23565	0.1464532	0.30068008	2.2066474	21	9 21.8	19.3
237090 2008 TR_{17}	16.6	X	297.23225	184.92117	226.28845	4.21061	0.1094531	0.22100320	2.7093826	21	9 16.2	19.9
237091 2008 TO_{18}	16.2	X	278.32351	180.47769	34.35142	6.56220	0.1588203	0.25186822	2.4832501	21	—	—
237092 2008 TQ_{21}	16.4	X	193.36277	36.44732	29.24569	6.53441	0.0643639	0.20224506	2.8744236	21	6 1.2	20.7
237093 2008 TL_{24}	16.7	X	325.89314	103.36837	303.90931	2.14745	0.1606089	0.22935071	2.6432363	21	10 29.8	19.3
237094 2008 TA_{26}	17.3	X	317.88600	246.41565	96.93011	4.35846	0.1341626	0.29392986	2.2403038	21	7 16.3	19.0
237095 2008 TF_{26}	15.7	X	353.56696	235.06829	171.65679	13.13646	0.2464732	0.23072346	2.6327414	21	—	—
237096 2008 TJ_{44}	16.6	X	301.29184	95.39234	12.13383	1.21995	0.0555799	0.23355208	2.6114410	21	12 17.0	19.7
237097 2008 TE_{45}	16.0	X	256.44325	198.58535	221.25588	4.87476	0.0539983	0.21408078	2.7674786	21	8 8.8	19.9
237098 2008 TK_{46}	15.2	X	94.58516	224.44551	202.53076	16.85615	0.1497429	0.18029847	3.1031875	21	2 19.2	19.7
237099 2008 TM_{56}	16.5	X	213.19834	77.75360	28.32981	3.38099	0.0448303	0.21684052	2.7439472	21	8 20.1	20.4
237100 2008 TE_{73}	15.8	X	230.77463	106.74608	27.44515	13.64051	0.1452154	0.22217555	2.6998432	21	10 6.4	19.7
237101 2008 TN_{81}	17.4	X	61.76880	118.89361	43.84690	1.26593	0.1342734	0.27518433	2.3409219	21	4 28.1	19.5
237102 2008 TH_{85}	16.2	X	103.92107	5.33314	195.22275	7.84953	0.1508460	0.21745234	2.7387980	21	8 20.4	20.4
237103 2008 TJ_{92}	17.2	X	328.84578	240.50615	161.29651	2.21852	0.1053478	0.23041448	2.6350945	21	10 31.0	20.1
237104 2008 TX_{98}	17.0	X	259.36581	317.15234	154.23185	0.81959	0.0558570	0.22898123	2.6460789	21	10 23.5	20.2
237105 2008 TL_{101}	17.5	X	262.16650	213.55231	208.45065	1.47088	0.1793972	0.21670442	2.7450960	21	8 2.3	21.5
237106 2008 TX_{102}	17.6	X	12.80499	241.28203	182.78589	1.63988	0.0735702	0.24289330	2.5440503	21	—	—
237107 2008 TU_{103}	17.9	X	104.44020	211.11608	34.06891	4.54698	0.1351920	0.30468629	2.1872618	21	10 26.8	20.8
237108 2008 TY_{103}	17.2	X	25.33240	155.72569	38.50453	5.39432	0.1561115	0.27342856	2.3509323	21	4 6.1	18.9
237109 2008 TX_{120}	15.9	X	241.38720	346.98296	110.50754	6.30468	0.1292839	0.21971584	2.7199555	21	9 2.8	19.9
237110 2008 TR_{123}	15.9	X	220.93946	63.45663	13.22060	8.21849	0.1955488	0.21511402	2.7586095	21	7 9.4	20.5
237111 2008 TO_{127}	17.2	X	211.57960	41.23330	345.95802	6.49798	0.1279933	0.27926358	2.3180698	21	4 24.6	20.8
237112 2008 TB_{133}	15.9	X	102.19255	93.93834	322.29752	4.49440	0.1746496	0.18141953	3.0903905	21	2 22.8	20.2
237113 2008 TM_{154}	16.7	X	27.89750	167.07477	353.26909	12.73203	0.0852886	0.26558822	2.3969750	21	2 22.7	19.3
237114 2008 TY_{157}	15.6	X	182.41447	182.58218	344.51840	13.93075	0.0459644	0.22226734	2.6990998	21	9 26.7	19.5
237115 2008 TB_{164}	16.2	X	304.25228	275.39552	110.21643	11.66953	0.1794816	0.21962189	2.7207312	21	8 16.4	19.3
237116 2008 TR_{164}	16.3	X	112.82536	344.72612	112.00703	4.56986	0.1992678	0.18806285	3.0171764	21	4 30.1	20.8
237117 2008 TV_{170}	16.6	X	100.73735	154.03016	75.93214	3.73411	0.0852832	0.21462135	2.7628296	21	9 20.2	20.6
237118 2008 TE_{172}	15.5	X	358.55303	241.62098	145.42520	15.24942	0.1715852	0.23000167	2.6382466	21	12 9.5	18.6
237119 2008 TN_{177}	15.6	X	104.91298	292.71545	116.56258	16.34138	0.1564996	0.18059466	3.0997936	21	2 18.3	20.0
237120 2008 TC_{178}	15.8	X	298.95266	280.18087	164.04674	22.06655	0.0526573	0.22825154	2.6517154	21	11 16.9	19.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
237121 2008 TH_{186}	16.5	X	242.52092	335.60810	144.31942	5.40819	0.1196345	0.22057575	2.7128818	21	10 4.1	20.3
237122 2008 TJ_{186}	16.2	X	279.54901	305.34334	154.03913	5.58214	0.0852483	0.22540998	2.6739542	21	11 1.6	19.6
237123 2008 TG_{189}	16.7	X	12.92443	180.20103	355.05585	6.19867	0.0529995	0.26476437	2.4019448	21	2 19.7	19.4
237124 2008 TC_{190}	15.9	X	209.03849	139.28211	116.46508	14.73867	0.1096785	0.22860213	2.6490035	21	—	—
237125 2008 UA_{2}	15.7	X	358.38552	338.25631	48.77875	15.07950	0.1501870	0.22826300	2.6516266	21	12 1.1	18.7
237126 2008 UE_{4}	16.5	X	350.47116	237.35185	146.12468	7.95969	0.2628001	0.22811924	2.6527405	21	11 28.1	18.8
237127 2008 UH_{4}	15.5	X	341.17486	259.83599	132.35803	11.14824	0.1629838	0.22687541	2.6624273	21	11 13.2	18.4
237128 2008 UG_{5}	15.0	X	133.29517	268.29452	50.01385	19.09995	0.1340497	0.17202897	3.2018550	21	—	—
237129 2008 UD_{6}	16.4	X	97.27241	336.84630	82.41963	0.85727	0.2127684	0.17915856	3.1163365	21	2 27.2	20.6
237130 2008 UZ_{8}	17.8	X	76.51172	299.26051	272.22309	0.54550	0.0988994	0.29245208	2.2478444	21	7 29.7	20.3
237131 2008 UY_{15}	17.6	X	135.86205	204.81433	350.42520	1.58547	0.1399368	0.29901001	2.2148563	21	9 22.7	20.9
237132 2008 UQ_{26}	16.8	X	191.02201	243.91981	188.41557	1.78239	0.0468447	0.20296404	2.8676313	21	6 8.5	20.9
237133 2008 UG_{27}	17.5	X	314.64988	145.91719	206.90931	4.88452	0.1173879	0.29276593	2.2462376	21	7 26.0	19.6
237134 2008 US_{27}	16.8	X	86.84965	229.98509	58.39003	3.02496	0.0518154	0.22857665	2.6492003	21	11 12.9	20.2
237135 2008 UP_{28}	16.3	X	274.18721	278.26012	167.46581	2.18172	0.0609470	0.22274889	2.6952084	21	10 8.4	19.7
237136 2008 UD_{30}	16.3	X	47.66176	45.03818	90.61376	3.17762	0.0964662	0.18281130	3.0746854	21	3 9.2	20.1
237137 2008 UX_{30}	16.2	X	191.55603	22.43633	72.22892	4.18725	0.1049024	0.20605824	2.8388518	21	7 6.7	20.5
237138 2008 UT_{41}	16.7	X	32.23718	318.70077	234.23837	3.08640	0.0957451	0.26976603	2.3721631	21	4 15.1	19.1
237139 2008 UM_{56}	17.3	X	47.98737	343.87125	200.88477	4.61558	0.0849097	0.27509854	2.3414085	21	5 1.2	19.6
237140 2008 UY_{60}	16.8	X	246.48871	327.70565	18.09092	7.00213	0.1347203	0.27676867	2.3319797	21	4 8.8	20.0
237141 2008 UV_{61}	16.3	X	160.37481	55.41862	347.16357	2.89707	0.2285373	0.19007976	2.9957953	21	4 7.9	21.3
237142 2008 UU_{62}	16.3	X	313.95496	351.86234	339.18887	2.26607	0.0807078	0.20924557	2.8099496	21	6 28.2	19.8
237143 2008 UU_{66}	16.5	X	7.20799	172.35018	290.33643	2.93309	0.0353184	0.24600480	2.5225532	21	—	—
237144 2008 UN_{67}	16.4	X	344.94097	103.12062	310.22396	2.49444	0.1291607	0.23078427	2.6322789	21	12 14.4	19.1
237145 2008 UF_{72}	15.6	X	96.51768	26.86650	39.29335	10.68950	0.0924843	0.17718305	3.1394575	21	2 22.6	20.1
237146 2008 US_{72}	16.5	X	254.95066	123.72015	305.92751	4.79354	0.0569933	0.21231595	2.7827934	21	8 20.4	20.3
237147 2008 UT_{73}	16.7	X	3.60166	222.62463	6.01191	6.17989	0.1903692	0.27092666	2.3653835	21	4 8.1	18.3
237148 2008 UX_{73}	16.0	X	70.03758	340.04958	273.71053	7.03653	0.0193382	0.21325742	2.7745973	21	8 28.3	19.9
237149 2008 UH_{77}	15.2	X	17.16242	285.74114	242.67374	10.17402	0.0833541	0.17997127	3.1069477	21	2 25.9	19.3
237150 2008 UB_{86}	16.1	X	148.67828	286.57822	131.27289	4.52466	0.1589048	0.19287816	2.9667481	21	4 14.1	20.8
237151 2008 UE_{91}	17.1	X	241.65913	101.88447	39.03265	4.60599	0.0933606	0.22712583	2.6604700	21	11 1.7	20.8
237152 2008 UQ_{93}	16.6	X	14.14401	274.88993	127.95353	5.58132	0.2338435	0.23596692	2.5935939	21	—	—
237153 2008 UV_{95}	16.1	X	250.10395	298.10328	116.41959	6.36099	0.0939915	0.21414729	2.7669055	21	7 20.9	20.0
237154 2008 UR_{96}	15.8	X	333.41110	255.46844	167.52459	12.73252	0.1507602	0.22958690	2.6414232	21	12 9.4	18.8
237155 2008 UG_{98}	15.8	X	341.74046	292.27661	75.33416	7.34554	0.0544121	0.22104323	2.7090555	21	10 6.7	19.2
237156 2008 UD_{99}	15.8	X	150.66644	185.09546	84.99863	14.61485	0.0492032	0.23757665	2.5818651	21	—	—
237157 2008 UJ_{103}	14.9	X	174.54835	61.10503	217.36691	24.82147	0.2305616	0.17516577	3.1635149	21	—	—
237158 2008 UO_{105}	16.1	X	115.86076	313.29811	51.77461	1.05629	0.1404460	0.17143521	3.2092437	21	1 6.8	20.5
237159 2008 UO_{112}	17.1	X	58.12100	57.44746	10.47085	6.45424	0.0873741	0.25083388	2.4900721	21	—	—
237160 2008 UP_{114}	16.8	X	76.18795	323.10420	4.62855	4.16176	0.0633689	0.23496152	2.6009873	21	12 22.1	20.4
237161 2008 UD_{119}	15.5	X	146.74549	23.36820	25.55515	10.28818	0.0974175	0.18768671	3.0212063	21	3 27.8	20.0
237162 2008 US_{125}	16.2	X	8.73495	15.93051	29.81431	10.00343	0.2052719	0.23359630	2.6111115	21	—	—
237163 2008 US_{126}	16.2	X	334.39096	14.91380	18.49717	5.59094	0.0840989	0.22277619	2.6949882	21	10 25.8	19.2
237164 Keelung	16.9	X	93.06230	113.11567	107.85803	4.04989	0.0783284	0.29159112	2.2522669	21	9 3.6	19.6
237165 2008 UK_{129}	16.7	X	85.06310	165.35288	307.11382	1.39454	0.1453069	0.18663298	3.0325673	21	4 6.5	20.6
237166 2008 UH_{137}	17.2	X	106.22989	30.05607	219.76971	1.80080	0.0358447	0.22314104	2.6920498	21	10 15.2	20.8
237167 2008 UK_{138}	15.9	X	250.44725	270.48458	217.76641	5.56171	0.0728384	0.22581122	2.6707857	21	10 30.3	19.5
237168 2008 UV_{140}	16.1	X	102.15828	218.66239	202.73731	0.63520	0.1719116	0.17982107	3.1086775	21	3 1.2	20.4
237169 2008 UZ_{146}	16.5	X	252.78130	353.46255	1.06158	1.53430	0.0963399	0.19989256	2.8969319	21	5 6.6	20.6
237170 2008 UP_{148}	15.4	X	54.21562	56.14015	47.01141	6.00691	0.1172382	0.17559534	3.1583534	21	2 10.2	19.4
237171 2008 UW_{148}	16.6	X	279.52780	125.44485	300.63260	0.86788	0.0807474	0.21775020	2.7362997	21	9 15.2	20.0
237172 2008 UN_{150}	17.1	X	203.98554	294.76153	176.21831	3.51867	0.0460080	0.21438775	2.7648362	21	8 12.8	21.1
237173 2008 UT_{152}	17.5	X	33.85585	142.71836	53.95419	3.33582	0.0848293	0.27485529	2.3427898	21	4 24.1	19.9
237174 2008 UB_{155}	16.5	X	167.77838	286.09052	196.16929	3.25789	0.0444311	0.20906411	2.8115753	21	7 14.9	20.7
237175 2008 UZ_{155}	16.0	X	116.30031	104.31541	225.88940	3.61387	0.0933661	0.24258082	2.5462346	21	—	—
237176 2008 UX_{160}	15.7	X	309.49878	86.64595	345.16214	20.85015	0.1049192	0.22937511	2.6430488	21	10 27.1	19.2
237177 2008 UZ_{160}	16.5	X	157.69393	19.33187	48.51022	2.43983	0.0699000	0.19448108	2.9504243	21	4 26.9	20.7
237178 2008 UJ_{174}	15.5	X	56.74315	61.75194	45.57099	13.58639	0.0854664	0.17827419	3.1266342	21	2 19.9	19.8
237179 2008 UB_{180}	16.3	X	86.19424	30.75473	300.07573	2.38301	0.2064948	0.23941353	2.5686421	21	—	—
237180 2008 UT_{184}	16.9	X	251.79396	161.09450	281.17921	0.73518	0.0573803	0.21450532	2.7638259	21	9 2.7	20.8
237181 2008 UX_{184}	17.0	X	172.01713	20.77226	265.39880	1.03123	0.1274636	0.24467595	2.5316783	21	—	—
237182 2008 UZ_{194}	16.2	X	149.76649	15.74976	36.36844	1.71244	0.1039241	0.18732683	3.0250744	21	4 2.6	20.8
237183 2008 UG_{195}	16.6	X	345.54875	287.29614	119.69756	2.66859	0.0996454	0.22786185	2.6547378	21	12 4.2	19.5
237184 2008 UM_{198}	16.5	X	313.46856	259.20429	167.86792	3.23922	0.0651705	0.22861777	2.6488827	21	11 10.9	19.7
237185 2008 UZ_{200}	16.9	X	15.73042	285.45365	64.62590	7.46393	0.2133765	0.30547125	2.1835132	21	12 10.1	19.1
237186 2008 UE_{209}	16.8	X	131.96220	107.49319	237.34455	4.81008	0.1291020	0.25189826	2.4830527	21	—	—
237187 Zhonglihe	16.2	X	323.50290	255.67224	114.55890	4.55179	0.1031542	0.21872521	2.7281620	21	9 6.5	19.3
237188 2008 UE_{220}	16.6	X	276.72136	269.48718	253.75833	2.95239	0.1419178	0.23751833	2.5822877	21	—	—
237189 2008 UY_{220}	15.7	X	172.86476	306.77922	252.68566	11.15568	0.0921687	0.22453700	2.6808804	21	10 26.3	19.9
237190 2008 UU_{223}	16.0	X	225.62095	306.46388	96.45505	3.30386	0.0720063	0.20346535	2.8629191	21	6 9.4	20.1
237191 2008 UP_{241}	16.0	X	221.09924	284.28948	163.53764	13.62908	0.2100149	0.21204436	2.7851691	21	7 19.7	20.8
237192 2008 UA_{242}	16.6	X	27.21535	221.16747	166.84548	13.92406	0.2125927	0.23835230	2.5762607	21	—	—
237193 2008 UX_{247}	16.6	X	21.05290	14.95548	62.46195	1.48749	0.0886925	0.24078077	2.5589091	21	—	—
237194 2008 UM_{250}	16.5	X	226.48467	13.16974	358.94509	1.58987	0.1079980	0.19920264	2.9036169	21	4 29.3	20.9
237195 2008 UK_{252}	17.6	X	114.36638	31.98830	223.61078	3.04685	0.1584165	0.30623790	2.1798675	21	11 21.1	20.9
237196 2008 UR_{253}	16.7	X	64.51105	265.99769	198.24740	1.49418	0.1159366	0.17969470	3.1101347	21	2 23.0	20.7
237197 2008 UV_{256}	15.9	X	149.73915	108.14749	64.89099	7.42875	0.0265739	0.21367576	2.7709746	21	9 1.8	19.9
237198 2008 UH_{258}	16.4	X	212.73561	159.87107	265.16720	1.01506	0.0506192	0.20367451	2.8609588	21	6 24.4	20.6
237199 2008 UG_{263}	16.3	X	271.59035	61.79970	20.37385	2.53450	0.0626107	0.21763834	2.7372373	21	9 29.1	19.9
237200 2008 US_{265}	17.0	X	191.79082	170.16797	318.62156	3.67983	0.1137038	0.21269707	2.7794682	21	8 18.8	21.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
237201 2008 UP_{269}	17.5	X	329.65877	78.29227	124.46466	2.29495	0.1303896	0.25979419	2.4324827	21	1 12.7	20.5
237202 2008 UP_{275}	16.1	X	175.62810	40.03004	33.04256	6.20970	0.0643373	0.20017897	2.8941681	21	5 21.8	20.4
237203 2008 UA_{277}	16.0	X	77.44946	72.51356	37.08136	5.95216	0.1243588	0.18476095	3.0530173	21	3 23.4	20.0
237204 2008 UT_{277}	16.8	X	227.50118	126.88652	35.18971	6.52070	0.1870870	0.22750575	2.6575073	21	10 30.7	20.8
237205 2008 UC_{280}	17.7	X	76.42475	2.29774	181.19957	3.96289	0.1581512	0.27767481	2.3269036	21	6 27.5	20.3
237206 2008 UM_{281}	15.3	X	329.78547	332.23595	237.28644	10.11990	0.0465096	0.18119632	3.0929280	21	2 14.4	19.8
237207 2008 UP_{282}	16.8	X	208.86322	331.78155	228.31908	3.90048	0.0626365	0.23048096	2.6345878	21	12 11.7	20.6
237208 2008 UK_{290}	16.7	X	259.98564	337.80075	104.49496	4.74571	0.0136007	0.21577149	2.7530030	21	9 23.0	20.4
237209 2008 UX_{298}	16.6	X	279.31705	293.16937	306.38753	3.72434	0.1099721	0.25683197	2.4511506	21	1 3.5	20.2
237210 2008 UJ_{309}	16.1	X	352.44208	69.38526	356.07293	8.46179	0.1306550	0.23535489	2.5980883	21	—	—
237211 2008 UV_{315}	16.6	X	355.57241	13.02966	62.99650	1.77781	0.0987353	0.23513553	2.5997039	21	—	—
237212 2008 US_{324}	16.4	X	314.73533	9.07127	36.72146	4.31716	0.1013727	0.22053851	2.7131872	21	10 10.9	19.6
237213 2008 UR_{329}	17.2	X	270.36889	260.05314	11.34242	1.47577	0.1191810	0.26612242	2.3937663	21	1 31.6	20.6
237214 2008 UF_{337}	17.3	X	236.21536	118.04740	176.91872	1.05535	0.1789589	0.26226473	2.4171826	21	1 24.7	21.3
237215 2008 UJ_{337}	16.6	X	182.88353	210.97111	307.46694	4.16417	0.1230718	0.21403615	2.7678632	21	9 14.3	20.9
237216 2008 UG_{340}	16.2	X	110.54139	21.52398	316.90489	1.73240	0.1639258	0.24288949	2.5440769	21	—	—
237217 2008 UC_{348}	16.4	X	55.19627	333.21347	149.57392	1.22011	0.1535044	0.17911026	3.1168967	21	3 9.4	20.0
237218 2008 UD_{353}	16.1	X	53.05177	123.45162	45.36708	4.17756	0.0953870	0.18889304	3.0083296	21	4 27.2	19.7
237219 2008 UN_{353}	16.2	X	319.28672	134.67313	116.65722	3.24103	0.0298088	0.18681406	3.0306074	21	3 31.9	20.3
237220 2008 UR_{356}	16.1	X	214.36869	182.98080	184.80257	2.61354	0.1303223	0.19396916	2.9556132	21	4 12.1	20.8
237221 2008 VS_{2}	16.0	X	325.93065	69.28144	38.01031	10.61316	0.1068141	0.23436446	2.6054028	21	—	—
237222 2008 VK_{15}	17.1	X	311.20959	50.68024	202.62385	0.97210	0.1567807	0.27093217	2.3653514	21	2 17.9	20.0
237223 2008 VO_{23}	16.4	X	114.89113	308.83133	151.85302	2.87036	0.0725712	0.18733580	3.0249779	21	4 20.5	20.6
237224 2008 VY_{37}	16.2	X	145.37499	262.47438	177.67713	5.34550	0.1763623	0.19159850	2.9799431	21	5 8.7	20.9
237225 2008 VD_{39}	16.8	X	257.95064	39.71096	351.11085	1.47500	0.0829298	0.20631972	2.8364527	21	6 30.9	20.8
237226 2008 VM_{51}	15.7	X	162.70487	213.56675	62.21676	8.53380	0.1917367	0.23897228	2.5718030	21	—	—
237227 2008 VE_{53}	16.2	X	211.22247	241.06030	233.17354	4.13309	0.1120149	0.21562867	2.7542184	21	8 19.2	20.4
237228 2008 VU_{59}	16.4	X	328.80193	279.28188	174.49537	2.28084	0.1048116	0.23503408	2.6004519	21	—	—
237229 2008 VR_{64}	15.9	X	98.61323	99.15053	346.95236	4.32843	0.1475030	0.18016996	3.1046630	21	3 23.1	20.2
237230 2008 VS_{64}	15.8	X	324.17522	252.78268	139.26241	13.38498	0.2711420	0.22272216	2.6954240	21	9 28.7	18.0
237231 2008 VN_{66}	15.4	X	138.90651	222.81643	163.87095	12.80082	0.1184689	0.17978333	3.1091124	21	2 21.1	20.1
237232 2008 VQ_{68}	16.0	X	6.89906	334.44635	274.11671	2.21197	0.1184269	0.18505960	3.0497317	21	5 30.3	19.5
237233 2008 VX_{71}	16.0	X	287.30548	269.05456	136.53990	6.83859	0.0131772	0.21237951	2.7822381	21	9 9.8	19.7
237234 2008 VG_{73}	15.9	X	196.77199	333.09183	103.50934	13.35974	0.1256536	0.20186563	2.8780243	21	6 19.1	20.4
237235 2008 VP_{76}	15.7	X	37.65319	45.76045	84.33218	8.82363	0.1727219	0.17579640	3.1559448	21	2 22.1	19.3
237236 2008 WV_{5}	16.1	X	218.79308	288.13907	106.29966	3.18841	0.0803915	0.20187661	2.8779200	21	5 21.8	20.4
237237 2008 WE_{12}	16.1	X	308.57932	112.42181	173.89530	1.99585	0.0504101	0.19547909	2.9403735	21	4 26.8	19.9
237238 2008 WY_{21}	16.1	X	186.63302	34.09993	15.11396	1.74374	0.1332123	0.19575181	2.9376420	21	5 5.5	20.9
237239 2008 WN_{32}	16.5	X	45.12885	300.15679	92.48148	2.27731	0.0753935	0.23878174	2.5731710	21	—	—
237240 2008 WM_{35}	16.3	X	349.48633	281.68247	51.73947	3.43637	0.0782534	0.21489600	2.7604751	21	8 30.0	19.6
237241 2008 WP_{35}	16.7	X	245.19263	180.40449	238.96076	3.03171	0.0939045	0.20901182	2.8120443	21	7 20.5	20.8
237242 2008 WM_{36}	17.1	X	237.79684	219.79954	235.98931	2.44367	0.0502987	0.21420589	2.7664008	21	9 2.7	21.1
237243 2008 WN_{36}	16.5	X	257.50480	93.08006	249.40654	1.17060	0.0972634	0.19750450	2.9202366	21	4 27.0	20.6
237244 2008 WX_{44}	16.5	X	254.58925	95.91363	58.16210	4.26781	0.0296046	0.23002853	2.6380412	21	12 14.9	19.9
237245 2008 WF_{48}	16.4	X	100.73922	340.96624	83.11646	2.02990	0.1977286	0.17723099	3.1388913	21	3 7.9	20.7
237246 2008 WX_{54}	16.2	X	230.02307	317.76517	195.90398	8.40637	0.1369593	0.22365004	2.6879636	21	10 29.6	20.1
237247 2008 WP_{62}	16.5	X	246.94671	81.77047	188.79744	4.38222	0.1318102	0.25756041	2.4465268	21	1 6.6	20.2
237248 2008 WK_{66}	16.5	X	104.84969	357.25163	75.02181	2.78651	0.1633780	0.18043106	3.1016671	21	3 17.9	20.8
237249 2008 WD_{69}	16.3	X	278.39994	184.87946	167.12478	2.20990	0.0916982	0.20185199	2.8781540	21	6 4.8	20.4
237250 2008 WG_{69}	17.1	X	84.03734	322.16189	23.16094	4.37144	0.0902958	0.31589368	2.1352173	21	—	—
237251 2008 WY_{69}	15.7	X	127.47171	333.90554	45.12655	1.35687	0.0658860	0.17276318	3.1927770	21	1 26.7	20.1
237252 2008 WB_{70}	15.8	X	42.54193	35.37376	79.88647	2.77598	0.1330310	0.17251201	3.1958753	21	2 7.2	19.5
237253 2008 WA_{72}	15.3	X	202.47532	107.66409	321.95843	5.22208	0.2456432	0.12330732	3.9976996	21	6 12.9	22.0
237254 2008 WU_{75}	16.8	X	18.59115	262.65542	122.06505	2.67730	0.1053134	0.23164516	2.6257531	21	12 26.7	20.0
237255 2008 WA_{77}	15.3	X	228.92643	288.76964	112.16661	4.06062	0.2190812	0.12468623	3.9681710	21	6 2.2	21.7
237256 2008 WZ_{78}	16.9	X	212.59016	295.83257	171.50751	4.48997	0.0064473	0.21107159	2.7937199	21	8 22.2	20.8
237257 2008 WW_{79}	16.3	X	228.14442	309.18887	148.64078	4.29878	0.0882569	0.21084841	2.7956910	21	8 20.9	20.4
237258 2008 WU_{80}	16.6	X	143.36106	65.29805	160.26174	3.94292	0.0237436	0.22127083	2.7071975	21	10 29.9	20.4
237259 2008 WA_{83}	16.1	X	16.73201	159.69678	136.74547	5.10312	0.0866785	0.21016602	2.8017393	21	8 21.6	19.5
237260 2008 WE_{92}	16.2	X	184.41735	73.90874	280.88634	0.52628	0.0600888	0.18323707	3.0699207	21	2 26.2	20.6
237261 2008 WN_{94}	16.7	X	332.75154	217.02708	118.03625	4.14697	0.1093721	0.21288693	2.7778154	21	7 31.7	19.9
237262 2008 WP_{95}	16.3	X	347.47232	252.90093	130.29515	5.43436	0.1407124	0.22467835	2.6797558	21	11 8.6	19.2
237263 2008 WY_{95}	16.0	X	237.36997	332.65267	127.21628	4.70355	0.0561628	0.21339134	2.7734362	21	9 9.3	19.8
237264 2008 WP_{96}	16.1	X	55.96514	194.26719	121.55794	5.36005	0.0941223	0.22811211	2.6527958	21	11 17.2	19.7
237265 Golobokov	16.0	X	53.57671	185.74534	204.36640	14.76899	0.1335562	0.23925065	2.5698077	21	—	—
237266 2008 WX_{96}	16.3	X	335.44645	273.68117	99.71474	4.18301	0.1419678	0.21941108	2.7224736	21	10 1.6	19.2
237267 2008 WQ_{101}	16.6	X	42.84079	227.62053	175.59892	3.03731	0.1316912	0.24050327	2.5608771	21	—	—
237268 2008 WM_{102}	15.9	X	61.06612	259.36390	144.46294	13.56476	0.0135892	0.24426196	2.5345381	21	—	—
237269 2008 WR_{105}	16.8	X	196.08704	284.02909	324.65128	1.69251	0.0121555	0.23790988	2.5794536	21	—	—
237270 2008 WP_{109}	16.3	X	182.20307	37.25531	55.02204	3.10092	0.0713495	0.20044564	2.8916006	21	6 23.8	20.7
237271 2008 WM_{115}	16.4	X	225.48889	88.79259	73.21077	5.98823	0.0815584	0.22269545	2.6956396	21	11 10.8	20.2
237272 2008 WA_{129}	15.9	X	112.93061	137.75723	105.11744	8.96834	0.1690540	0.21421342	2.7663360	21	10 28.5	20.4
237273 2008 WV_{130}	16.7	X	337.20446	84.18235	259.56482	2.43965	0.1059529	0.21478124	2.7614582	21	8 19.9	19.9
237274 2008 WY_{134}	14.9	X	2.62573	136.88031	68.06017	16.18755	0.0867053	0.17655780	3.1468650	21	4 5.9	19.2
237275 2008 WG_{135}	16.1	X	198.19895	212.79998	79.75212	8.99549	0.1593190	0.25244401	2.4794728	21	—	—
237276 Nakama	15.7	X	184.78498	177.55015	93.97844	14.07776	0.1970490	0.24140519	2.5544945	21	—	—
237277 Nevaruth	16.1	X	82.74278	238.76006	253.66371	1.66668	0.1700800	0.18580445	3.0415758	21	5 3.1	20.2
237278 2008 XG_{5}	14.7	X	235.59489	80.09445	309.68882	7.41005	0.2318671	0.12444820	3.9732294	21	5 23.0	21.2
237279 2008 XB_{7}	16.3	X	14.31813	235.37739	179.25543	2.96103	0.1724723	0.23634896	2.5907982	21	—	—
237280 2008 XK_{10}	15.3	X	72.74315	63.11915	80.40677	21.48165	0.1243199	0.18448758	3.0560324	21	5 5.6	19.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
237281 2008 XF_{13}	15.8	X	53.36663	306.27324	101.87296	10.22091	0.1164033	0.24334243	2.5409190	21	—	—
237282 2008 XW_{15}	15.5	X	297.54174	42.24289	91.68070	2.24360	0.0304551	0.15538194	3.4266443	21	12 28.7	20.3
237283 2008 XK_{16}	16.4	X	115.85678	319.94926	164.40460	1.79669	0.0519381	0.19134807	2.9825426	21	5 18.0	20.5
237284 2008 XR_{16}	16.4	X	129.97813	272.06620	207.30591	2.40095	0.1479823	0.19176263	2.9782425	21	6 7.6	20.9
237285 2008 XT_{17}	16.3	X	37.06066	101.29839	161.22688	2.41869	0.0052996	0.20481344	2.8503427	21	7 27.3	20.1
237286 2008 XB_{21}	15.3	X	255.47151	231.46315	103.85710	11.17670	0.0494536	0.18704581	3.0281035	21	4 27.5	19.8
237287 2008 XK_{34}	16.5	X	67.78329	307.32405	30.60641	4.09219	0.0488513	0.23043825	2.6349134	21	12 22.1	20.0
237288 2008 XT_{36}	16.7	X	255.86387	224.00690	294.80178	2.52313	0.0878262	0.22909074	2.6452356	21	12 14.3	20.0
237289 2008 XN_{37}	16.6	X	159.63552	205.10078	349.14127	2.30263	0.0248674	0.21708313	2.7419024	21	10 7.3	20.4
237290 2008 XG_{39}	16.5	X	102.72524	220.46145	51.95341	3.51555	0.0467005	0.22201070	2.7011795	21	11 10.0	20.3
237291 2008 XS_{47}	16.8	X	124.91178	50.84615	298.98704	2.90819	0.1295035	0.24118146	2.5560740	21	—	—
237292 2008 XX_{47}	15.0	X	191.56204	206.19321	112.55217	7.70029	0.1237151	0.16901185	3.2398478	21	1 27.1	20.0
237293 2008 XA_{48}	16.6	X	159.34142	24.70417	247.07372	1.17655	0.0733420	0.22812621	2.6526865	21	—	—
237294 2008 YE_{5}	15.5	X	86.33696	356.67276	65.75163	7.03047	0.1698019	0.17229438	3.1985659	21	2 14.4	19.8
237295 2008 YN_{7}	16.6	X	134.70634	3.35317	81.72044	4.29761	0.0971941	0.26495320	2.4008035	21	4 20.9	19.8
237296 2008 YW_{18}	15.6	X	195.43429	17.66340	322.37092	4.02103	0.1461728	0.17184954	3.2040833	21	2 22.9	20.9
237297 2008 YW_{27}	16.1	X	48.08395	86.20322	18.58082	0.63981	0.1583369	0.17234826	3.1978992	21	2 4.3	19.9
237298 2008 YM_{29}	15.4	X	96.46190	358.19256	121.29424	3.36594	0.0590755	0.17953361	3.1119949	21	4 20.6	19.7
237299 2008 YR_{33}	15.4	X	329.48039	174.74227	81.82614	10.91933	0.0223383	0.18863391	3.0110840	21	4 24.6	19.7
237300 2008 YA_{34}	15.6	X	88.31916	318.70352	284.36888	4.51185	0.1267899	0.19797365	2.9156214	21	9 21.5	20.0
237301 2008 YZ_{43}	15.7	X	19.94704	22.13248	138.06661	1.70188	0.0980323	0.17713142	3.1400674	21	2 25.4	19.4
237302 2008 YA_{59}	15.7	X	215.59232	255.47867	96.84607	11.03718	0.0502520	0.18081242	3.0973043	21	4 4.1	20.5
237303 2008 YV_{59}	15.2	X	234.99839	353.85326	302.43686	6.34571	0.0288913	0.17128038	3.2111775	21	2 13.1	19.9
237304 2008 YP_{77}	16.0	X	201.37143	209.08567	153.09838	5.03622	0.1449226	0.18122335	3.0926204	21	3 26.3	21.1
237305 2008 YT_{88}	16.5	X	316.75517	48.30347	304.21279	0.97582	0.0802272	0.20403531	2.8575851	21	7 31.9	20.1
237306 2008 YH_{89}	15.7	X	348.70650	154.68351	90.53985	3.21021	0.1259956	0.18303699	3.0721575	21	4 25.4	19.4
237307 2008 YQ_{90}	15.8	X	30.70416	306.09391	271.71032	3.62967	0.1163085	0.18594672	3.0400241	21	5 29.1	19.4
237308 2008 YZ_{90}	16.3	X	274.55641	200.99254	130.43715	2.52803	0.0963969	0.19006025	2.9960003	21	5 4.9	20.6
237309 2008 YT_{99}	16.5	X	336.07022	8.40367	290.74665	2.08680	0.0596782	0.19274562	2.9681081	21	6 20.6	20.3
237310 2008 YJ_{110}	14.1	X	156.93355	248.30140	350.91897	9.06108	0.1182418	0.12426182	3.9772013	21	11 13.9	20.3
237311 2008 YV_{121}	16.3	X	258.18953	159.78895	183.18314	2.07673	0.0430394	0.18759129	3.0222306	21	5 6.6	20.4
237312 2008 YT_{133}	16.1	X	84.08096	160.54667	16.35736	1.90287	0.0648656	0.19601543	2.9350074	21	6 15.7	20.0
237313 2008 YE_{161}	16.6	X	26.15242	8.55183	354.13955	2.10963	0.0906597	0.21909759	2.7250699	21	12 3.4	19.9
237314 2008 YP_{162}	15.7	X	221.97778	172.28992	124.37010	4.17655	0.0528170	0.16809881	3.2515689	21	1 31.1	20.5
237315 2009 AZ_{14}	16.4	X	174.78281	292.24591	121.65618	1.94052	0.1094364	0.18316487	3.0707273	21	5 1.1	21.2
237316 2009 AK_{30}	15.7	X	252.93613	229.20403	125.26550	8.85516	0.0394666	0.19005533	2.9960520	21	5 17.4	20.1
237317 2009 AH_{34}	16.7	X	234.52814	333.32328	351.05916	1.24675	0.2017879	0.26175560	2.4203159	21	2 27.6	20.6
237318 2009 AZ_{42}	16.3	X	170.88486	42.52337	141.27083	6.68834	0.0530203	0.20601925	2.8392100	21	10 8.7	20.5
237319 2009 BT_{17}	16.6	X	313.09992	190.77543	72.56073	7.36292	0.0876777	0.27002697	2.3706346	21	3 22.1	19.5
237320 2009 BX_{36}	15.6	X	355.66012	126.79338	124.40205	2.33878	0.1686841	0.18255735	3.0775362	21	5 12.7	19.0
237321 2009 BM_{54}	14.1	X	21.15578	221.38830	91.45461	4.88969	0.1083564	0.12204381	4.0252441	21	9 14.7	19.3
237322 2009 BV_{85}	16.6	X	144.86886	311.68928	289.05447	2.97465	0.1320205	0.21145555	2.7903370	21	11 17.6	21.1
237323 2009 BP_{88}	14.1	X	84.84519	124.01825	137.97120	6.47360	0.0979827	0.12476634	3.9664724	21	10 4.5	19.8
237324 2009 BM_{97}	15.1	X	276.43716	329.91407	9.27739	10.06366	0.0294721	0.18763240	3.0217891	21	5 23.4	19.5
237325 2009 BO_{115}	15.9	X	272.14358	294.11660	10.44026	1.86181	0.0831508	0.17942827	3.1132128	21	3 31.4	20.4
237326 2009 BF_{161}	15.9	X	276.20126	57.04466	229.32651	3.83348	0.0931462	0.17277870	3.1925858	21	3 12.0	20.6
237327 2009 BE_{172}	16.0	X	254.01782	16.06456	155.07840	7.33563	0.0274626	0.22221703	2.6995072	21	—	—
237328 2009 CA_{1}	15.5	X	335.19998	3.42252	76.70299	9.64255	0.1137669	0.22486516	2.6782715	21	12 31.5	18.6
237329 2009 CA_{4}	15.3	X	111.42331	40.49036	72.49857	14.57857	0.0555199	0.17904873	3.1176107	21	5 3.2	19.8
237330 2009 CT_{48}	15.8	X	304.74510	295.66429	337.35383	0.07484	0.1134329	0.17698700	3.1417754	21	3 28.2	19.9
237331 2009 FB_{24}	15.3	X	131.75572	300.52286	178.01773	26.91626	0.1781982	0.17830694	3.1262513	21	6 12.3	20.8
237332 2009 UN_{87}	12.9	X	298.69377	43.14264	70.76321	13.62360	0.0991289	0.08079238	5.2993482	21	11 17.9	19.6
237333 2009 UN_{130}	15.6	X	19.17409	121.68560	196.49412	8.24575	0.1748614	0.23940271	2.5687195	21	10 9.8	18.3
237334 2009 UG_{153}	15.7	X	155.30191	241.84440	307.00003	10.06519	0.0958810	0.21913953	2.7247222	21	9 21.7	20.1
237335 2009 VZ_{7}	16.8	X	274.85833	50.73694	6.12051	2.03321	0.2022505	0.23418631	2.6067240	21	8 10.1	20.2
237336 2009 WC_{25}	15.4	X	350.84749	330.87028	151.22353	24.83804	0.2330603	0.17451903	3.1713258	21	—	—
237337 2009 WK_{60}	16.8	X	269.29173	181.39846	227.70892	4.78926	0.0724738	0.22855020	2.6494047	21	8 9.3	20.4
237338 2009 WS_{60}	13.0	X	339.58227	347.32599	76.43520	14.63315	0.0521056	0.08087550	5.2957166	21	11 17.8	19.8
237339 2009 WN_{162}	16.4	X	257.13254	63.37805	270.31996	3.35035	0.0762271	0.21059371	2.7979447	21	4 15.6	20.6
237340 2009 WK_{258}	17.1	X	196.10827	314.31077	109.31980	0.65344	0.0572224	0.21493674	2.7601262	21	6 2.4	21.1
237341 2009 WD_{263}	15.2	X	10.57930	59.60055	70.06814	11.15176	0.0618467	0.18296279	3.0729880	21	1 4.8	19.3
237342 2009 XM_{23}	17.0	X	239.45782	128.41058	288.89188	4.43287	0.2452293	0.22424005	2.6832466	21	6 26.7	21.2
237343 2009 YJ_{15}	15.8	X	319.17870	285.11350	148.31239	22.39161	0.0353473	0.23371209	2.6102489	21	12 3.9	19.7
237344 2010 AY_{23}	17.1	X	184.92650	139.46360	318.46099	5.44810	0.1049851	0.29686238	2.2255257	21	7 4.2	20.3
237345 2010 AM_{37}	16.3	X	252.94043	94.77601	331.73825	5.38393	0.0349196	0.21753507	2.7381035	21	8 18.5	19.9
237346 2010 AV_{38}	17.0	X	205.96390	107.85395	319.68145	6.17893	0.1604586	0.29526937	2.2335231	21	6 12.7	20.5
237347 2010 AK_{76}	15.6	X	248.72082	285.13239	153.90049	14.83908	0.1356380	0.21904441	2.7255110	21	8 14.3	19.4
237348 2010 AV_{79}	16.5	X	37.41405	285.52851	148.66736	9.13888	0.1074884	0.25620502	2.4551477	21	—	—
237349 2010 CM_{12}	16.7	X	76.73864	299.32651	185.28918	4.12939	0.2708355	0.18783654	3.0195994	21	5 1.5	20.6
237350 2010 CZ_{146}	17.0	X	91.16514	91.39626	327.11783	5.62141	0.0910801	0.25787486	2.4445375	21	1 14.7	19.8
237351 2235 *P–L*	16.8	X	165.04295	83.07144	359.69779	3.85190	0.2050404	0.28564168	2.2834333	21	5 25.3	20.6
237352 4307 *P–L*	16.8	X	310.77826	53.52511	351.43056	12.41923	0.1992112	0.22578505	2.6709921	21	9 20.5	19.5
237353 1207 *T–2*	16.7	X	338.59251	314.09613	9.28452	5.71850	0.2939792	0.28645425	2.2791131	21	7 8.5	17.6
237354 1711 *T–2*	16.4	X	220.14441	328.24026	358.14131	6.72176	0.1146314	0.25845309	2.4408901	21	2 20.8	20.1
237355 2296 *T–2*	16.6	X	190.22851	4.77110	328.86452	1.75807	0.2220813	0.25730261	2.4481607	21	2 3.8	20.8
237356 3103 *T–2*	15.1	X	263.74906	309.44768	8.45264	12.89438	0.1556468	0.17846585	3.1243952	21	3 30.0	19.8
237357 2059 *T–3*	16.2	X	200.43018	105.02831	239.51530	3.70220	0.2109526	0.25907149	2.4370044	21	2 22.5	20.4
237358 3206 *T–3*	17.3	X	235.68945	359.63166	26.62787	4.94787	0.1702280	0.28563949	2.2834450	21	5 17.1	20.6
237359 3774 *T–3*	16.3	X	195.62682	320.83485	51.42468	0.05054	0.1529885	0.19243200	2.9713321	21	3 30.9	21.1
237360 4539 *T–3*	16.5	X	198.43555	216.31280	86.50570	6.36000	0.2354669	0.23454082	2.6040966	21	1 8.5	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
237361 1981 EE_{48}	15.9	X	109.72080	19.39197	185.58014	11.81517	0.1680484	0.20386192	2.8592051	21	9 2.4	20.5
237362 1993 FY_{31}	16.0	X	207.29742	233.24175	37.62764	7.86232	0.2189200	0.23492278	2.6012732	21	—	—
237363 1993 HV_{4}	15.6	X	67.08756	87.19729	51.82269	9.57408	0.0417995	0.17564564	3.1577505	21	4 7.0	19.9
237364 1993 TW_{22}	15.9	X	45.12587	171.25865	191.16129	14.79162	0.2039098	0.21656510	2.7462731	21	—	—
237365 1994 EA_{5}	15.5	X	181.87747	205.30589	167.27086	13.84574	0.0688834	0.18361124	3.0657486	21	3 18.1	20.0
237366 1994 PJ_{14}	16.8	X	98.23586	99.54622	167.22673	3.74949	0.1331772	0.29800763	2.2198202	21	11 17.6	19.9
237367 1994 PY_{35}	15.8	X	278.46980	176.60460	158.55294	8.70769	0.2267165	0.21235951	2.7824129	21	4 27.2	20.0
237368 1994 UA_{7}	17.1	X	241.70843	71.04074	356.60499	3.31733	0.0923685	0.21217677	2.7840102	21	7 29.1	21.0
237369 1994 WG_{7}	16.3	X	351.51768	237.60163	189.83063	9.67709	0.0339422	0.22307643	2.6925696	21	—	—
237370 1994 WN_{8}	16.4	X	64.50502	224.39988	127.82770	7.40107	0.0317428	0.22229164	2.6989031	21	12 31.9	20.2
237371 1995 DG_{8}	17.2	X	353.53106	88.02054	143.34503	1.64167	0.1414556	0.26660412	2.3908820	21	3 30.3	19.3
237372 1995 OV_{11}	16.3	X	338.85399	338.22442	137.01405	5.51255	0.0891146	0.24085282	2.5583987	21	—	—
237373 1995 QE_{8}	16.7	X	299.34693	272.15122	205.74545	12.06958	0.2308762	0.23493249	2.6012015	21	12 13.7	19.1
237374 1995 SV_{7}	16.6	X	84.85225	148.85002	194.29542	0.95025	0.1135938	0.23753652	2.5821559	21	—	—
237375 1995 SM_{16}	16.3	X	293.77127	326.96970	177.10877	7.63339	0.1367029	0.23740952	2.5830767	21	—	—
237376 1995 SW_{50}	16.2	X	265.65096	196.18216	8.56659	8.77284	0.1060442	0.23959960	2.5673120	21	—	—
237377 1995 SZ_{63}	15.7	X	244.41265	269.97125	72.20410	1.98835	0.2039918	0.17817338	3.1278134	21	4 6.4	20.7
237378 1995 SA_{82}	15.5	X	147.54467	15.13917	24.31797	6.00945	0.1573800	0.17091382	3.2157671	21	3 23.3	20.6
237379 1995 US_{67}	15.9	X	275.75402	117.28808	200.46429	5.08003	0.1259935	0.17828190	3.1265440	21	4 15.5	20.6
237380 1995 VB_{5}	15.7	X	271.03452	264.96094	59.41937	10.31093	0.2647298	0.17880763	3.1204126	21	4 6.8	20.8
237381 1995 VF_{9}	15.1	X	253.40075	276.65374	57.74058	12.03865	0.0942864	0.17348041	3.1839708	21	4 18.7	19.9
237382 1995 VV_{18}	16.8	X	181.29715	139.94191	38.46221	6.30878	0.0100982	0.30084721	2.2058301	21	10 27.1	19.2
237383 1996 AF_{10}	17.2	X	281.24199	250.52666	190.38465	2.19780	0.0343296	0.21956145	2.7212305	21	10 14.7	20.6
237384 1996 CX	17.2	X	106.33966	29.47079	54.04976	22.74995	0.0937872	0.35722550	1.9671663	21	3 9.9	19.8
237385 1996 EV_{15}	15.9	X	283.50870	194.54693	252.65450	5.73987	0.0285188	0.21775846	2.7362306	21	10 24.7	19.5
237386 1996 HW_{5}	16.5	X	62.89347	206.98751	74.56986	5.44283	0.0342922	0.20918472	2.8104945	21	10 2.6	20.4
237387 1996 PM_{1}	15.5	X	163.21203	226.47587	92.91175	5.09126	0.1518896	0.17692507	3.1425086	21	1 2.3	20.5
237388 1996 TL	15.3	X	126.57754	221.33909	177.73594	23.13011	0.1871416	0.17677203	3.1443220	21	3 2.3	20.2
237389 1996 VE_{20}	15.3	X	307.70185	235.79236	97.94495	12.39007	0.0960239	0.18660570	3.0328629	21	6 20.8	19.3
237390 1996 XP_{20}	16.0	X	100.76266	41.74132	45.43767	2.17440	0.0794585	0.17436085	3.1732435	21	3 19.7	20.3
237391 1997 AX_{10}	17.4	X	113.33153	102.75850	115.33763	24.72814	0.1610119	0.38362892	1.8758372	21	10 22.9	20.6
237392 1997 JH_{4}	17.2	X	87.34517	211.93753	53.26758	5.30874	0.1344338	0.29925455	2.2136496	21	11 3.5	20.0
237393 1997 LG	17.1	X	333.45157	190.12494	152.93565	7.17943	0.1632187	0.29244041	2.2479042	21	8 15.4	18.5
237394 1997 SZ_{13}	16.3	X	324.03655	303.98547	346.65238	6.75295	0.1019800	0.19455562	2.9496707	21	5 14.6	20.2
237395 1997 SD_{22}	17.5	X	130.17615	186.03802	260.07485	3.18769	0.1614747	0.27024860	2.3693383	21	4 21.6	20.8
237396 1997 SW_{23}	16.4	X	123.12520	134.34275	301.00093	0.46611	0.1394467	0.18487370	3.0517758	21	4 5.9	21.0
237397 1998 AQ_{9}	16.9	X	321.37113	98.73512	115.39864	5.29407	0.1439094	0.25521201	2.4615121	21	1 15.8	20.2
237398 1998 BZ_{42}	14.9	X	41.24773	17.03256	128.83533	29.42726	0.1837238	0.17413830	3.1759466	21	3 27.8	19.1
237399 1998 HR_{118}	15.9	X	189.03867	79.41110	120.14664	12.34460	0.2086997	0.23391485	2.6087403	21	11 12.8	20.4
237400 1998 MT_{1}	16.5	X	266.82342	89.81309	99.28303	7.27089	0.0655012	0.23955894	2.5676025	21	—	—
237401 1998 QL_{25}	17.0	X	16.31650	22.86084	348.66344	5.30304	0.1671022	0.30728281	2.1749229	21	—	—
237402 1998 QV_{28}	16.6	X	113.94936	109.63865	231.31322	3.95599	0.2798047	0.22961865	2.6411796	21	—	—
237403 1998 QS_{73}	15.2	X	320.71765	191.19774	191.69843	15.27584	0.2097496	0.21412020	2.7671389	21	9 3.1	18.0
237404 1998 RS_{29}	16.0	X	328.67825	13.67156	0.52886	9.00543	0.2686846	0.21401737	2.7680252	21	9 7.2	18.1
237405 1998 RE_{66}	16.1	X	185.58394	7.97910	357.22737	13.99765	0.1908282	0.23862090	2.5743271	21	3 11.5	20.3
237406 1998 SV_{30}	17.3	X	124.14901	255.13621	154.28960	3.18436	0.1883118	0.27793247	2.3254653	21	2 28.3	20.1
237407 1998 SS_{34}	16.3	X	169.35285	19.41451	14.13566	13.33358	0.2779060	0.23882241	2.5728788	21	4 3.9	20.9
237408 1998 SA_{72}	16.4	X	125.64720	198.78503	124.09019	2.80350	0.1548943	0.22643108	2.6659092	21	—	—
237409 1998 SA_{114}	15.4	X	112.48377	294.13544	24.22323	13.41097	0.2576315	0.22630781	2.6668772	21	—	—
237410 1998 SN_{140}	15.9	X	36.81431	157.83924	209.14422	13.25358	0.1792347	0.21973814	2.7197715	21	—	—
237411 1998 SN_{155}	16.9	X	140.52724	199.08699	117.14959	4.02891	0.2596219	0.22964171	2.6410028	21	—	—
237412 1998 SC_{160}	16.9	X	160.11512	282.02086	100.31988	4.06023	0.1736615	0.28006366	2.3136529	21	3 4.4	20.3
237413 1998 TP_{27}	15.7	X	296.79587	35.11188	12.77813	14.11287	0.1547799	0.21246234	2.7815150	21	9 10.3	19.1
237414 1998 UL_{2}	15.1	X	222.27583	111.36656	223.03582	11.24298	0.0612187	0.19413146	2.9539656	21	3 9.0	19.7
237415 1998 UR_{7}	15.6	X	126.98111	180.93775	207.21984	10.14088	0.2264366	0.18847884	3.0127354	21	2 18.9	20.4
237416 1998 UT_{19}	16.4	X	217.86362	304.02273	38.52582	13.43032	0.3464941	0.24052736	2.5607061	21	3 14.0	21.4
237417 1998 UV_{23}	16.1	X	99.43991	292.68540	44.83587	14.74875	0.2381087	0.22536118	2.6743401	21	—	—
237418 1998 UQ_{47}	16.4	X	155.45934	319.07531	37.00487	14.80778	0.1540810	0.23236014	2.6203640	21	2 3.8	20.6
237419 1998 WY_{34}	16.3	X	356.86930	318.72978	31.67075	3.81850	0.1048905	0.21206529	2.7849858	21	10 4.4	19.3
237420 1998 XW_{6}	16.5	X	187.24175	110.01030	232.53392	6.69437	0.2016599	0.23392086	2.6086957	21	2 10.9	21.0
237421 1998 XS_{61}	16.9	X	202.56583	356.50109	73.86875	6.33588	0.1365357	0.28720514	2.2751389	21	6 14.1	20.3
237422 1999 AF_{35}	17.3	X	177.12221	308.05468	133.18587	5.08596	0.2195101	0.28108877	2.3080244	21	6 5.2	21.1
237423 1999 BD_{27}	15.6	X	255.36574	329.69716	307.19349	2.88739	0.1164853	0.18066886	3.0989449	21	2 4.8	20.5
237424 1999 CS_{92}	15.5	X	64.30485	142.71897	346.81604	12.76804	0.2001217	0.18319488	3.0703920	21	4 3.2	19.3
237425 1999 FY_{10}	17.2	X	70.23847	346.52392	183.15735	1.22728	0.1212854	0.27156487	2.3616761	21	5 22.1	19.7
237426 1999 FG_{74}	16.2	X	284.31526	104.54911	140.67128	1.67793	0.0355348	0.17437592	3.1730606	21	2 8.9	20.7
237427 1999 FF_{87}	15.9	X	44.22578	348.86061	184.56631	6.22394	0.2802007	0.18184945	3.0855177	21	5 15.1	19.1
237428 1999 FZ_{95}	15.1	X	319.66552	97.22498	162.16001	16.45040	0.2056018	0.17588196	3.1549212	21	3 19.4	19.1
237429 1999 GH_{58}	16.2	X	17.94370	93.77876	193.17904	18.79779	0.2204576	0.27606145	2.3359608	21	8 27.7	18.4
237430 1999 JL_{4}	16.0	X	346.66321	229.95666	46.43795	20.93063	0.2203943	0.26952901	2.3735536	21	5 13.4	17.8
237431 1999 JK_{85}	15.5	X	344.87982	114.20882	121.11761	6.09188	0.1772492	0.17595521	3.1540455	21	4 3.1	19.2
237432 1999 JH_{96}	16.0	X	295.10893	160.25706	114.44607	11.83784	0.1789788	0.26290030	2.4132853	21	2 28.6	19.4
237433 1999 NA_{43}	15.2	X	302.42044	96.59212	214.98566	22.92934	0.3700981	0.17420636	3.1751193	21	4 3.6	20.1
237434 1999 PH_{3}	16.0	X	267.04379	66.25567	286.13762	6.02156	0.2918683	0.21551198	2.7552125	21	4 25.1	20.7
237435 1999 RH_{9}	16.0	X	241.81230	133.21501	155.85237	2.28116	0.1567206	0.16033009	3.3557739	21	2 6.2	21.2
237436 1999 RC_{29}	16.2	X	102.31719	336.94511	354.01055	14.72859	0.1926632	0.23714973	2.5849627	21	—	—
237437 1999 RO_{40}	16.9	X	250.00845	129.98396	172.35107	11.42739	0.2756412	0.25389009	2.4700489	21	2 9.6	21.3
237438 1999 RR_{77}	17.0	X	234.60995	178.06157	157.71641	2.64068	0.2293536	0.25477541	2.4643234	21	3 13.4	21.2
237439 1999 RM_{138}	16.7	X	107.74166	215.60579	125.92200	5.31902	0.2538415	0.23909409	2.5709294	21	—	—
237440 1999 RQ_{148}	16.4	X	92.17411	11.68666	314.39952	2.69262	0.2656510	0.23650534	2.5896561	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
237441 1999 RP_{195}	16.1	X	260.66531	180.51398	213.01102	11.93566	0.2394242	0.26289311	2.4133293	21	6 16.2	19.8
237442 1999 TA_{10}	18.1	X	329.31938	84.80618	214.66032	20.84281	0.2416554	0.53344097	1.5057232	21	3 25.6	19.2
237443 1999 TE_{54}	16.2	X	28.77452	34.86767	10.22272	5.61740	0.1303965	0.23252085	2.6191565	21	—	—
237444 1999 TZ_{66}	16.0	X	276.87445	312.78316	212.08680	12.80192	0.0869030	0.23306440	2.6150827	21	—	—
237445 1999 TF_{73}	16.4	X	10.56270	78.99255	343.69670	5.45773	0.0891234	0.23499490	2.6007409	21	—	—
237446 1999 TL_{75}	16.2	X	154.16437	94.13624	217.48172	11.30406	0.0270515	0.23623858	2.5916051	21	—	—
237447 1999 TD_{87}	17.3	X	158.59431	130.80022	182.27532	3.29621	0.1792214	0.23805103	2.5784339	21	—	—
237448 1999 TJ_{141}	16.4	X	45.02112	7.57869	27.92964	13.10350	0.2721172	0.23248811	2.6194024	21	—	—
237449 1999 TJ_{152}	16.7	X	54.54796	341.59917	41.48029	1.92049	0.1628602	0.23371793	2.6102055	21	—	—
237450 1999 TB_{182}	16.5	X	74.44531	193.79472	199.07765	16.03306	0.1483207	0.23811229	2.5779917	21	—	—
237451 1999 TR_{211}	16.3	X	140.95649	329.65818	19.02835	30.74002	0.2036592	0.24127659	2.5554021	21	1 17.8	20.8
237452 1999 TK_{214}	15.9	X	289.02097	24.33600	26.24353	10.00255	0.0721233	0.22083070	2.7107933	21	9 14.1	19.4
237453 1999 TV_{264}	14.2	X	318.17428	26.32289	280.06516	22.56487	0.2339095	0.17386933	3.1792210	21	5 6.9	18.5
237454 1999 VM_{82}	15.8	X	14.95198	218.66254	205.11440	14.43936	0.1625303	0.23283762	2.6167804	21	—	—
237455 1999 VM_{94}	16.3	X	294.06829	26.25247	33.48348	5.28225	0.2297619	0.22103363	2.7091339	21	9 8.6	19.4
237456 1999 VS_{119}	16.5	X	24.85824	292.98778	10.36148	5.36338	0.0611892	0.21982872	2.7190243	21	9 11.9	19.9
237457 1999 VK_{128}	17.0	X	258.31323	344.25744	42.59378	4.99407	0.0821527	0.21280497	2.7785286	21	6 26.0	20.8
237458 1999 VG_{131}	16.3	X	61.91851	306.28681	42.19250	7.01526	0.1808763	0.23024320	2.6364012	21	—	—
237459 1999 VL_{134}	16.6	X	227.30933	181.70138	237.59792	3.05732	0.0920007	0.21228445	2.7830687	21	6 30.3	20.7
237460 1999 VK_{158}	15.3	X	99.00262	296.52561	42.89366	28.87419	0.0529045	0.23231946	2.6206699	21	—	—
237461 1999 VC_{191}	15.9	X	250.98596	332.76189	222.54551	11.04180	0.0479646	0.23295848	2.6158753	21	—	—
237462 1999 VY_{206}	16.3	X	89.37283	308.65106	36.48636	9.29860	0.0404420	0.23191750	2.6236971	21	—	—
237463 1999 XQ_{171}	15.7	X	173.79615	201.79863	291.93774	13.20433	0.2841838	0.20669697	2.8330005	21	8 4.3	20.8
237464 1999 XR_{218}	16.3	X	32.20718	254.45060	112.02230	7.52138	0.0275858	0.22053429	2.7132218	21	12 9.1	20.0
237465 1999 YG_{19}	18.4	X	163.07345	160.42595	116.21645	2.20754	0.2334630	0.31493860	2.1395320	21	—	—
237466 2000 AZ_{135}	17.3	X	267.80114	136.03175	324.04283	3.16806	0.1482925	0.30804731	2.1713230	21	10 15.8	19.4
237467 2000 BA_{39}	16.1	X	93.89353	123.00543	132.75444	5.19203	0.0160378	0.21238001	2.7822338	21	10 6.2	19.9
237468 2000 BB_{42}	17.7	X	116.98879	308.14916	321.47368	4.21012	0.1797103	0.30590503	2.1814485	21	12 11.4	21.2
237469 2000 BR_{47}	15.6	X	99.61701	130.57770	128.33959	11.61930	0.1257350	0.21222183	2.7836162	21	10 31.9	20.0
237470 2000 CT_{135}	16.5	X	18.90072	209.54296	138.94705	5.36238	0.1208539	0.21370990	2.7706795	21	11 9.9	19.9
237471 2000 DR_{20}	15.8	X	152.58342	69.97331	155.90595	12.72873	0.1262679	0.21277271	2.7788095	21	11 11.5	20.4
237472 2000 DF_{51}	17.2	X	45.88803	196.78550	357.68687	2.96055	0.1026215	0.28666154	2.2780142	21	5 11.4	19.3
237473 2000 EY_{9}	16.0	X	45.30533	353.86782	169.87969	4.55205	0.1236164	0.19034339	2.9930285	21	4 11.9	19.5
237474 2000 EW_{46}	16.6	X	222.67082	132.06247	1.49914	5.99747	0.0785783	0.30040242	2.2080069	21	10 9.6	19.3
237475 2000 FZ_{6}	17.8	X	32.89464	345.56955	203.36391	4.52679	0.1130996	0.28191369	2.3035198	21	4 9.5	19.7
237476 2000 FE_{18}	15.1	X	314.77307	75.98008	137.90013	13.85174	0.1700808	0.18179851	3.0860942	21	1 18.4	19.4
237477 2000 FU_{59}	16.8	X	128.80262	81.05596	24.89667	23.62170	0.2344847	0.28766332	2.2727224	21	5 17.1	20.5
237478 2000 GD_{37}	17.4	X	51.52951	77.49533	198.15540	5.40883	0.1634589	0.29279160	2.2461063	21	10 6.5	19.8
237479 2000 GL_{70}	17.1	X	98.93570	24.24046	211.04401	8.43380	0.1396400	0.29379490	2.2409898	21	10 5.4	20.1
237480 2000 GS_{82}	17.3	X	248.66630	27.22615	20.30354	22.89244	0.0669664	0.38465336	1.8725052	21	7 26.6	19.9
237481 2000 GJ_{122}	16.4	X	19.76541	95.12363	187.71125	8.17642	0.2086569	0.19641023	2.9310731	21	8 16.8	19.5
237482 2000 HZ_{18}	17.2	X	94.62225	193.34828	52.51534	6.73591	0.1621459	0.29443953	2.2377178	21	10 20.1	20.4
237483 2000 HY_{27}	15.9	X	19.73882	245.34877	57.81770	22.19541	0.2492021	0.28958202	2.2626722	21	10 21.6	18.3
237484 2000 HJ_{47}	16.8	X	108.79657	36.11333	210.85287	1.94547	0.1435479	0.29581791	2.2307612	21	11 2.3	19.7
237485 2000 HL_{63}	17.0	X	44.69161	264.83620	42.48162	6.08742	0.1911225	0.29436537	2.2380936	21	11 15.1	19.6
237486 2000 KM_{2}	16.1	X	47.57282	148.52111	164.85831	25.66725	0.2996641	0.29147422	2.2528691	21	12 13.9	20.0
237487 2000 KU_{12}	17.0	X	8.57323	260.84601	58.02086	7.02940	0.1489318	0.28950939	2.2630507	21	9 29.5	19.0
237488 2000 KP_{34}	17.2	X	77.11709	164.19449	98.94990	6.53094	0.1212546	0.29220534	2.2491096	21	10 20.1	20.2
237489 2000 LG_{7}	17.0	X	193.92435	36.19875	120.77419	7.24920	0.0472463	0.29528209	2.2334590	21	10 13.1	19.9
237490 2000 LM_{15}	17.4	X	98.70495	66.54465	113.55103	5.87797	0.0894466	0.28588804	2.2821213	21	7 13.5	20.2
237491 2000 OS_{33}	16.9	X	266.76449	130.30737	219.18580	4.40740	0.2198966	0.27371311	2.3493027	21	4 26.9	20.2
237492 2000 OY_{39}	16.4	X	303.66319	124.26609	207.18466	6.55971	0.1335566	0.27666985	2.3325350	21	6 2.3	19.1
237493 2000 QD_{32}	17.3	X	280.45361	266.98763	54.10638	3.79385	0.2624382	0.27218115	2.3581098	21	3 31.9	20.8
237494 2000 QV_{33}	16.8	X	237.03181	35.90493	322.28657	4.19854	0.1454173	0.26966606	2.3727493	21	4 13.1	20.5
237495 2000 QF_{56}	16.8	X	54.68073	92.22349	145.34948	10.52258	0.2763259	0.28263345	2.2996073	21	9 5.4	19.4
237496 2000 QF_{76}	17.2	X	344.98992	121.10513	187.04982	4.14094	0.1618654	0.27858241	2.3218470	21	7 11.6	19.1
237497 2000 QR_{81}	17.0	X	313.21236	135.52967	176.10317	6.06684	0.1173782	0.27451847	2.3447057	21	5 22.9	19.6
237498 2000 QC_{85}	16.6	X	255.35978	114.20422	233.11518	4.56902	0.1360844	0.27120112	2.3637873	21	4 20.1	19.9
237499 2000 QT_{97}	14.9	X	278.14531	172.10549	149.17107	8.72264	0.2168061	0.17697874	3.1418732	21	4 14.0	19.7
237500 2000 QU_{134}	17.1	X	7.67168	308.29069	5.64598	4.50169	0.2386934	0.28326459	2.2961902	21	9 27.6	18.5
237501 2000 QK_{160}	16.6	X	191.79575	164.63662	187.23738	10.61472	0.2002648	0.26264819	2.4148293	21	2 23.3	20.7
237502 2000 QZ_{175}	16.0	X	331.56140	231.55298	173.36643	13.21454	0.1242625	0.23977513	2.5660590	21	11 13.7	18.9
237503 2000 QP_{186}	16.7	X	299.52906	274.55376	38.09495	4.27926	0.1818721	0.27393281	2.3480465	21	4 21.2	19.5
237504 2000 QF_{188}	16.5	X	195.62550	315.00984	67.99581	5.30601	0.2009262	0.26639404	2.3921388	21	4 9.7	20.4
237505 2000 QH_{192}	15.2	X	242.35787	321.25987	7.69503	14.62931	0.2793374	0.17432866	3.1736341	21	3 17.4	20.6
237506 2000 RO_{29}	16.3	X	175.11429	176.12769	211.81310	10.19135	0.2688155	0.26223749	2.4173500	21	3 28.8	20.5
237507 2000 RA_{34}	16.4	X	297.57253	147.07996	201.71762	6.90674	0.2245323	0.27419794	2.3465326	21	6 2.8	19.2
237508 2000 RE_{51}	15.7	X	227.98709	136.10102	206.60069	7.27839	0.2221866	0.26351167	2.4095511	21	3 13.8	19.9
237509 2000 RG_{60}	16.5	X	221.42293	166.09186	186.35913	2.89994	0.2280062	0.26558220	2.3970112	21	3 21.8	20.5
237510 2000 RM_{69}	16.7	X	267.06184	334.29498	17.51600	5.79137	0.2000744	0.27145349	2.3623220	21	5 1.6	20.2
237511 2000 RZ_{90}	15.0	X	244.90207	125.54196	201.08101	25.84125	0.2171366	0.17121529	3.2119912	21	3 16.1	20.6
237512 2000 RP_{97}	14.7	X	290.40372	106.75659	207.50709	25.14542	0.2680465	0.17849916	3.1240065	21	4 8.2	19.3
237513 2000 RK_{100}	15.7	X	5.01186	143.41557	232.96173	17.04928	0.2165050	0.23865613	2.5740738	21	12 11.9	18.5
237514 2000 SO_{2}	16.0	X	351.95178	298.34417	79.99512	13.65858	0.2503611	0.23732278	2.5837061	21	11 25.0	18.1
237515 2000 SS_{6}	16.9	X	27.96741	112.64144	197.76997	5.06206	0.2506532	0.28579491	2.2826170	21	11 5.3	19.1
237516 2000 SO_{19}	16.3	X	311.38076	163.97960	229.52454	11.23676	0.1847138	0.23286073	2.6166073	21	9 2.9	19.4
237517 2000 SP_{31}	16.8	X	212.49707	153.59349	195.86623	6.07579	0.1317686	0.26426171	2.4049897	21	3 10.5	20.5
237518 2000 SN_{45}	15.6	X	31.24323	121.27135	238.88364	11.60029	0.2806612	0.24265943	2.5456846	21	—	—
237519 2000 SO_{47}	15.0	X	265.23890	94.05708	184.22304	25.11707	0.2681910	0.17175760	3.2052266	21	2 1.4	20.7
237520 2000 SP_{49}	15.5	X	279.16887	124.36756	193.36521	11.30054	0.1937538	0.17646292	3.1479928	21	4 11.3	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
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237521 2000 SF_{105}	16.5	X	224.89484	264.21960	93.39064	2.33539	0.2026326	0.26535962	2.3983515	21	4 1.9	20.4
237522 2000 ST_{145}	15.8	X	344.82589	106.07200	216.54123	2.05461	0.3577830	0.18531553	3.0469232	21	7 15.6	17.6
237523 2000 SB_{160}	16.6	X	320.22799	69.31872	330.82625	23.59552	0.2353545	0.23515579	2.5995546	21	9 20.0	19.2
237524 2000 SK_{251}	16.8	X	354.96902	41.23335	240.31798	1.92467	0.1540423	0.27524588	2.3405729	21	6 20.5	18.6
237525 2000 SB_{257}	16.5	X	318.28989	27.59746	34.17010	4.04869	0.1166550	0.23738790	2.5832335	21	11 9.4	19.3
237526 2000 SY_{264}	16.4	X	300.95141	246.59489	38.16630	7.28694	0.1119084	0.26743165	2.3859473	21	3 29.4	19.3
237527 2000 SK_{269}	16.4	X	313.25272	229.70825	134.71941	5.30272	0.2801619	0.22978165	2.6399305	21	7 13.0	19.1
237528 2000 SR_{271}	16.5	X	259.71481	200.58438	162.41450	6.78975	0.1435642	0.26915532	2.3757500	21	5 18.3	19.9
237529 2000 SM_{282}	15.2	X	320.73374	172.08652	204.89939	9.28013	0.1441860	0.18563078	3.0434726	21	8 29.8	18.9
237530 2000 SQ_{282}	16.4	X	48.60548	22.91805	331.62753	5.78994	0.1135600	0.24291445	2.5439026	21	12 31.9	19.9
237531 2000 SY_{291}	16.5	X	36.97367	40.16582	353.30554	12.45121	0.1698767	0.24477905	2.5309674	21	—	—
237532 2000 SK_{301}	14.8	X	262.39631	126.56979	206.75257	16.41996	0.1664694	0.17333223	3.1857852	21	4 15.5	19.8
237533 2000 SJ_{317}	15.5	X	290.15627	215.59730	243.89560	16.69311	0.2565299	0.23834303	2.5763275	21	10 20.7	18.4
237534 2000 SJ_{321}	17.2	X	137.01692	82.36394	292.04413	1.46236	0.2008719	0.25668312	2.4520981	21	2 2.6	20.7
237535 2000 SR_{376}	16.2	X	24.07741	335.70241	31.59503	13.99908	0.2359599	0.24151940	2.5536892	21	—	—
237536 2000 TW_{12}	17.2	X	296.87233	86.90365	242.45469	3.54757	0.2469298	0.27187484	2.3598806	21	4 30.2	20.2
237537 2000 TP_{13}	17.1	X	232.96060	0.19481	330.58040	0.32368	0.2024846	0.26395460	2.4068548	21	3 5.6	21.1
237538 2000 TP_{18}	16.9	X	262.99649	336.13391	11.16049	3.29264	0.2352464	0.26916600	2.3756871	21	4 18.7	20.5
237539 2000 TT_{24}	15.6	X	325.92053	309.12072	56.46041	6.29236	0.1975621	0.18304764	3.0720383	21	8 24.2	19.0
237540 2000 UN	17.2	X	356.16051	26.92862	210.43883	20.36089	0.0543919	0.36033165	1.9558450	21	4 5.9	19.0
237541 2000 UB_{16}	16.3	X	269.06687	252.68346	206.92013	25.79465	0.3048874	0.23091603	2.6312776	21	9 7.4	20.4
237542 2000 UK_{29}	16.7	X	211.21700	317.79892	48.35480	22.18807	0.1123203	0.35723710	1.9671237	21	4 3.2	19.6
237543 2000 UX_{29}	16.3	X	333.31504	88.85651	14.14623	10.90160	0.2545804	0.24091069	2.5579890	21	—	—
237544 2000 UU_{36}	17.0	X	166.24920	163.30585	203.51862	3.05280	0.1847140	0.25725935	2.4484351	21	2 19.8	20.8
237545 2000 UR_{37}	16.7	X	235.16985	282.74455	62.49772	3.20374	0.1989460	0.26415343	2.4056469	21	3 26.9	20.7
237546 2000 UZ_{75}	16.9	X	23.17659	326.44476	228.27237	19.15456	0.0394595	0.35783301	1.9649392	21	3 10.0	19.2
237547 2000 UP_{78}	16.3	X	226.47950	290.81346	70.19422	7.41376	0.1414151	0.26460745	2.4028943	21	4 12.1	20.0
237548 2000 UZ_{83}	15.5	X	200.85749	230.71429	209.27787	17.16512	0.2259731	0.17316509	3.1878348	21	6 22.5	21.2
237549 2000 UW_{84}	16.7	X	174.00305	254.67583	126.74888	3.44042	0.1799697	0.26001201	2.4311240	21	3 18.8	20.4
237550 2000 UG_{113}	16.1	X	58.11354	95.31796	258.11634	7.12527	0.1347847	0.24282498	2.5445275	21	—	—
237551 2000 WQ_{19}	18.3	X	183.97614	270.73341	38.79676	34.27334	0.3469808	0.59098577	1.4063218	21	—	—
237552 2000 WH_{66}	15.6	X	322.43637	298.08959	57.45321	24.07209	0.2839790	0.22884911	2.6470972	21	7 22.8	18.6
237553 2000 WG_{83}	16.1	X	103.65162	258.09074	126.98038	6.93788	0.1008669	0.24754040	2.5121100	21	—	—
237554 2000 WT_{86}	15.0	X	266.57860	129.41619	261.30014	9.62537	0.1786037	0.17500667	3.1654319	21	6 27.8	19.6
237555 2000 WB_{136}	16.2	X	197.70418	278.68941	78.49779	3.96500	0.2248293	0.25994111	2.4315660	21	3 11.5	20.3
237556 2000 WN_{154}	16.1	X	318.46004	128.34236	306.14233	5.16338	0.2948096	0.23482597	2.6019881	21	11 17.1	17.7
237557 2000 WF_{182}	16.1	X	320.99278	330.62781	135.19873	12.69977	0.2298649	0.23837405	2.5761040	21	—	—
237558 2000 XC_{47}	15.9	X	27.09981	39.19626	9.35951	28.62080	0.2350568	0.24003174	2.5642297	21	—	—
237559 2000 YS_{6}	16.2	X	333.75296	122.75551	0.89693	2.38739	0.1573133	0.23924522	2.5698466	21	—	—
237560 2000 YD_{14}	16.0	X	19.90966	333.00211	106.85613	14.46071	0.1120006	0.24047014	2.5611122	21	—	—
237561 2000 YY_{25}	16.4	X	327.09577	30.04426	77.42057	10.67109	0.1611434	0.23815732	2.5776667	21	—	—
237562 2000 YP_{80}	16.5	X	49.48890	150.57614	258.74190	2.88439	0.2487497	0.24329300	2.5412632	21	—	—
237563 2000 YX_{108}	16.1	X	0.76612	355.43866	80.84918	4.60697	0.1016702	0.23735971	2.5834381	21	—	—
237564 2000 YZ_{126}	15.8	X	222.08071	231.45576	326.41310	11.43071	0.2314933	0.22893426	2.6464409	21	12 1.6	20.2
237565 2001 AV_{11}	16.3	X	33.99012	272.04650	148.00793	5.08513	0.2428982	0.24047026	2.5611114	21	—	—
237566 2001 BW_{1}	15.1	X	252.97122	256.96368	294.13048	26.53745	0.3810413	0.22949426	2.6421339	21	12 10.1	19.2
237567 2001 BD_{4}	16.2	X	352.80079	23.47769	80.82709	10.73065	0.1615160	0.23794870	2.5791731	21	—	—
237568 2001 BG_{7}	16.4	X	222.51156	91.69111	321.48834	8.12345	0.2173012	0.21649687	2.7468502	21	6 8.1	21.1
237569 2001 BS_{9}	16.2	X	336.21113	282.97019	184.66432	7.18377	0.1173357	0.23480306	2.6021573	21	—	—
237570 2001 BT_{57}	16.3	X	307.57714	264.01947	266.74740	10.24980	0.2423357	0.23651727	2.5895690	21	—	—
237571 2001 CE_{19}	16.0	X	16.90432	351.20687	169.53600	3.49543	0.1171720	0.24642575	2.5196796	21	2 3.2	18.7
237572 2001 DA_{2}	16.9	X	6.25225	34.14783	23.75592	0.86117	0.1430865	0.23290111	2.6163048	21	—	—
237573 2001 DM_{25}	16.3	X	330.10658	334.86268	134.28435	8.13766	0.1207400	0.23366251	2.6106182	21	—	—
237574 2001 DY_{47}	16.3	X	32.84007	242.49500	131.86238	5.27958	0.1340895	0.22993624	2.6387471	21	—	—
237575 2001 DW_{49}	15.7	X	275.91427	95.52756	21.47369	11.38791	0.1294984	0.22797723	2.6538420	21	11 9.1	19.0
237576 2001 DN_{52}	16.5	X	286.53177	118.96014	354.62741	5.34612	0.2316456	0.23092814	2.6311856	21	11 7.4	19.3
237577 2001 DF_{59}	16.2	X	182.48963	190.80375	334.74407	13.28211	0.1232621	0.21978595	2.7193771	21	9 20.9	20.6
237578 2001 DX_{61}	16.2	X	199.00057	284.86209	323.67143	3.82102	0.2299803	0.23061729	2.6335494	21	—	—
237579 2001 DR_{63}	15.5	X	19.45386	245.62736	158.44027	12.67620	0.2868327	0.23479437	2.6022215	21	—	—
237580 2001 DS_{105}	15.8	X	156.90844	190.00909	301.66308	10.51793	0.1492568	0.21354622	2.7720950	21	7 19.7	20.2
237581 2001 DZ_{108}	16.0	X	286.83354	328.59659	129.48925	12.75583	0.1479594	0.22641662	2.6660227	21	11 5.9	19.4
237582 2001 EP_{14}	15.7	X	245.75547	40.03858	118.10893	12.73648	0.1302603	0.22543399	2.6737643	21	11 26.6	19.5
237583 2001 FO_{4}	16.2	X	309.65535	59.84935	2.69967	12.70772	0.2565903	0.22513657	2.6761186	21	10 5.5	18.5
237584 2001 FL_{15}	15.7	X	172.25008	252.45297	7.11911	12.48054	0.2421662	0.22454414	2.6808236	21	—	—
237585 2001 FC_{18}	16.0	X	206.97789	13.23942	190.30422	13.34980	0.1078718	0.22412444	2.6841693	21	12 8.2	20.2
237586 2001 FF_{19}	15.8	X	160.43487	85.48879	202.90862	12.43921	0.2563590	0.22593397	2.6698183	21	—	—
237587 2001 FP_{34}	15.7	X	219.44258	184.64178	349.31125	14.82185	0.0921203	0.22413419	2.6840915	21	11 10.7	19.9
237588 2001 FO_{39}	15.8	X	245.15309	8.81453	188.46213	9.32223	0.1156051	0.22990933	2.6389530	21	—	—
237589 2001 FU_{101}	16.1	X	159.94741	39.80460	209.31178	13.08615	0.2536391	0.22276604	2.6950701	21	12 10.8	21.1
237590 2001 FX_{113}	16.4	X	202.07205	69.79219	179.26473	13.70529	0.1246005	0.22903756	2.6456451	21	—	—
237591 2001 FN_{131}	16.1	X	181.95611	238.57714	292.42543	8.11374	0.1943334	0.21772441	2.7365158	21	9 24.1	20.8
237592 2001 FK_{164}	16.5	X	224.65479	348.75547	176.89943	11.83102	0.1192936	0.22275039	2.6951963	21	11 11.1	20.5
237593 2001 FB_{175}	15.9	X	146.16803	217.45076	58.78111	9.95278	0.2395769	0.22385113	2.6863537	21	—	—
237594 2001 FT_{179}	15.6	X	155.74766	204.30375	39.15761	13.87989	0.1111530	0.22233063	2.6985876	21	12 1.0	20.0
237595 2001 GQ_{4}	15.6	X	226.29544	87.88585	81.52953	13.64478	0.2072443	0.22375280	2.6871406	21	11 8.9	19.8
237596 2001 KH_{33}	15.6	X	258.33674	274.94959	109.61784	12.03955	0.0854636	0.19979725	2.8978532	21	6 23.2	19.8
237597 2001 KZ_{49}	15.8	X	146.62521	13.32189	254.36464	11.67662	0.3241750	0.21796135	2.7345323	21	12 21.3	21.0
237598 2001 KO_{67}	16.4	X	102.25174	69.08446	171.23686	2.27963	0.1575815	0.21020316	2.8014093	21	10 10.4	20.7
237599 2001 OH_{4}	16.9	X	34.62221	319.16167	66.37548	3.64818	0.1172179	0.31097878	2.1576560	21	—	—
237600 2001 OC_{6}	15.9	X	343.36268	159.38726	187.37651	9.65455	0.2211333	0.19772354	2.9180796	21	8 29.6	18.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
237601 2001 OY_{88}	15.7	X	288.12292	197.36943	148.99911	2.34294	0.2437865	0.19132143	2.9828195	21	5 19.3	19.9
237602 2001 PT_{11}	16.1	X	56.03069	292.55089	83.36139	8.90834	0.2412338	0.20959690	2.8068087	21	—	—
237603 2001 PY_{11}	15.1	X	198.58019	5.03255	9.37675	15.90835	0.2435906	0.18077743	3.0977040	21	4 4.6	20.6
237604 2001 PN_{25}	15.9	X	32.22514	258.47565	30.81145	6.83681	0.3554892	0.20093168	2.8869357	21	10 16.7	19.1
237605 2001 PJ_{44}	15.1	X	117.36177	242.44945	159.46283	16.85591	0.1085500	0.17408062	3.1766481	21	2 15.2	19.6
237606 2001 QH_{57}	17.1	X	341.81570	323.11440	49.39093	4.02539	0.1808049	0.29910746	2.2143752	21	10 31.3	18.5
237607 2001 QQ_{71}	16.4	X	121.31003	160.82420	176.24696	8.41618	0.2107645	0.21633375	2.7482308	21	—	—
237608 2001 QQ_{78}	14.4	X	226.82240	158.72038	208.60143	16.63836	0.2169641	0.17794806	3.1304532	21	4 19.7	19.6
237609 2001 QZ_{108}	14.9	X	190.36202	6.71357	9.83149	17.70164	0.2092504	0.17861159	3.1226954	21	4 1.6	20.2
237610 2001 QB_{142}	16.9	X	152.94090	19.50173	27.03840	6.14180	0.3117931	0.27245802	2.3565120	21	4 7.6	20.8
237611 2001 QN_{172}	15.5	X	177.85360	191.27380	187.22712	12.25352	0.1548420	0.17852732	3.1236780	21	3 23.6	20.6
237612 2001 QZ_{230}	15.3	X	157.02711	213.30207	176.73828	19.14789	0.1364055	0.17663578	3.1459387	21	3 17.8	20.1
237613 2001 QD_{249}	16.8	X	4.22714	299.71205	33.89551	6.44311	0.2236709	0.29524307	2.2336558	21	10 23.5	18.0
237614 2001 QY_{262}	16.1	X	113.03465	323.09531	30.02394	9.17929	0.2399724	0.26275002	2.4142054	21	—	—
237615 2001 QH_{280}	16.1	X	85.54473	65.20388	3.49405	26.22753	0.2719086	0.26799891	2.3825793	21	2 26.7	18.8
237616 2001 RN_{4}	17.5	X	95.28117	128.15750	205.27147	3.07043	0.2356296	0.31077914	2.1585800	21	—	—
237617 2001 RT_{30}	15.9	X	316.91801	112.92073	176.18701	5.11775	0.1460864	0.18802495	3.0175819	21	4 29.8	19.7
237618 2001 RZ_{31}	16.6	X	79.32453	173.80802	214.58455	4.43331	0.2254185	0.26437610	2.4042959	21	—	—
237619 2001 RF_{52}	17.7	X	51.79946	104.91387	194.30901	2.38695	0.1988009	0.30092300	2.2054597	21	11 16.2	20.4
237620 2001 RM_{55}	15.7	X	152.60154	216.94380	158.03042	6.11375	0.1769333	0.17380122	3.1800516	21	2 27.5	20.7
237621 2001 RM_{56}	16.0	X	243.36833	323.63821	5.60633	6.98750	0.1493376	0.18115143	3.0934389	21	3 24.3	20.9
237622 2001 RU_{71}	15.0	X	184.28495	213.96884	197.13961	27.09865	0.1399032	0.17889994	3.1193391	21	5 8.2	20.2
237623 2001 RY_{98}	15.5	X	293.78568	90.75530	171.33970	9.45480	0.0485321	0.17863776	3.1223905	21	3 9.9	19.8
237624 2001 RO_{100}	17.0	X	212.88325	31.85452	3.71952	7.05180	0.2663856	0.28255801	2.3000166	21	5 3.6	21.1
237625 2001 RA_{101}	15.5	X	269.97813	186.84390	103.49385	2.70189	0.1564610	0.18088811	3.0964402	21	3 4.5	20.3
237626 2001 RX_{103}	17.2	X	299.40719	343.90739	31.57677	5.57453	0.1779890	0.29270833	2.2465322	21	7 27.2	19.4
237627 2001 RG_{108}	15.7	X	188.89790	221.70078	149.11667	4.49052	0.0809072	0.17888385	3.1195261	21	3 24.5	20.5
237628 2001 RL_{114}	17.2	X	7.01456	310.83242	31.92988	2.46407	0.2153471	0.29891629	2.2153193	21	11 12.2	18.7
237629 2001 RZ_{128}	15.4	X	163.96025	15.34412	13.64175	9.37837	0.1065120	0.17620696	3.1510407	21	3 22.5	20.2
237630 2001 RJ_{147}	15.4	X	172.80971	2.39663	38.90190	11.49597	0.2226421	0.17756242	3.1349841	21	4 18.8	20.7
237631 2001 RR_{149}	17.6	X	302.52391	273.02157	5.66894	2.22561	0.1483825	0.28302573	2.2974819	21	3 13.1	20.5
237632 2001 SM_{15}	16.0	X	349.12838	291.46297	3.45185	13.85024	0.2636121	0.19279671	2.9675837	21	6 23.7	19.0
237633 2001 SS_{26}	17.4	X	305.84596	171.36827	182.82607	6.42393	0.1805689	0.29044114	2.2582081	21	7 1.4	19.7
237634 2001 SX_{34}	15.2	X	255.82447	159.21868	185.34920	17.07696	0.1636238	0.18272385	3.0756664	21	4 24.2	20.1
237635 2001 SX_{46}	16.1	X	320.19685	305.91456	22.75553	9.79091	0.2803668	0.19151898	2.9807680	21	6 2.8	19.7
237636 2001 SA_{53}	16.8	X	320.60937	198.79616	175.51440	6.78369	0.1394356	0.29338149	2.2430945	21	9 11.1	18.6
237637 2001 SV_{57}	16.9	X	295.90487	161.43677	215.60432	6.37214	0.1515873	0.29099130	2.2553609	21	7 23.7	19.4
237638 2001 SD_{68}	17.1	X	261.04881	258.36928	104.12039	2.32599	0.2323673	0.28349107	2.2949671	21	5 7.3	20.4
237639 2001 SA_{89}	15.0	X	106.17625	268.19302	180.32431	13.10416	0.2341339	0.17410883	3.1763049	21	4 18.5	19.8
237640 2001 SU_{91}	16.9	X	45.26180	78.02038	190.07000	7.27659	0.1079518	0.29468976	2.2364508	21	9 4.7	19.2
237641 2001 SE_{93}	17.5	X	246.75303	213.63092	185.95663	5.41001	0.1231470	0.28808720	2.2704925	21	6 22.5	20.6
237642 2001 SV_{94}	15.4	X	27.33102	205.45089	339.97672	8.56525	0.0536148	0.17948878	3.1125130	21	4 5.0	19.7
237643 2001 SP_{98}	16.0	X	343.27369	111.64108	187.22533	10.88817	0.0605058	0.18959015	3.0009507	21	6 30.2	20.1
237644 2001 SC_{103}	16.2	X	326.18063	330.45022	332.02030	3.80680	0.1320666	0.18836319	3.0139684	21	6 1.2	19.9
237645 2001 SR_{130}	15.3	X	201.51854	335.32058	357.51897	10.02970	0.0355528	0.17374369	3.1807535	21	2 22.1	20.0
237646 2001 SR_{140}	15.2	X	168.66183	184.64900	190.99937	15.29405	0.1325718	0.17395929	3.1781250	21	3 10.0	20.3
237647 2001 SK_{145}	17.1	X	290.24931	187.46673	193.06672	6.36677	0.1987454	0.29107375	2.2549350	21	7 11.6	19.7
237648 2001 SZ_{148}	17.3	X	245.61808	185.59993	228.63596	4.92044	0.1569505	0.28816828	2.2700666	21	7 6.9	20.4
237649 2001 SQ_{157}	15.7	X	243.36922	131.84338	215.43076	8.36596	0.0997999	0.18142619	3.0903149	21	4 18.4	20.3
237650 2001 SS_{157}	16.9	X	155.46640	128.78084	273.75846	2.85446	0.2065321	0.27356195	2.3501681	21	3 25.8	20.6
237651 2001 SY_{163}	15.1	X	226.92815	177.00607	201.61505	9.32538	0.0918705	0.18114037	3.0935648	21	5 11.6	19.8
237652 2001 SE_{164}	14.9	X	250.99021	143.62484	204.54586	17.04533	0.2245220	0.18160940	3.0882361	21	4 16.7	19.8
237653 2001 SS_{167}	16.7	X	228.25057	154.88167	251.33994	3.37387	0.2540482	0.28463082	2.2888365	21	5 31.9	20.5
237654 2001 SE_{169}	16.9	X	145.29406	54.98730	24.16815	2.60907	0.2122185	0.27420855	2.3464721	21	5 3.8	20.6
237655 2001 SC_{172}	17.6	X	67.05084	122.02689	188.84547	5.15299	0.1400621	0.30303806	2.1951857	21	12 12.2	20.5
237656 2001 SV_{185}	15.0	X	29.06956	219.42880	351.27697	13.83382	0.1003891	0.18581697	3.0414392	21	5 10.1	19.0
237657 2001 SS_{193}	16.0	X	212.39475	167.61252	169.42454	2.01683	0.1523745	0.17749345	3.1357962	21	3 5.7	21.2
237658 2001 SM_{196}	17.5	X	190.43988	279.00983	169.26823	2.32161	0.1304579	0.28604503	2.2812862	21	6 25.9	20.7
237659 2001 SB_{203}	17.7	X	30.47466	128.90073	168.43626	4.91190	0.1810273	0.29695582	2.2250588	21	10 10.9	19.8
237660 2001 SH_{203}	17.2	X	131.49365	56.86964	17.77446	2.84502	0.1684223	0.27540530	2.3396695	21	4 9.2	20.3
237661 2001 SJ_{215}	16.4	X	76.82545	310.50468	80.61746	4.63150	0.1381264	0.26233208	2.4167688	21	—	—
237662 2001 SA_{218}	15.4	X	138.54902	237.48247	176.76653	16.00362	0.0496971	0.17565974	3.1575815	21	3 19.6	19.9
237663 2001 SH_{223}	17.9	X	203.20605	214.76375	180.51021	2.26236	0.1698396	0.28020443	2.3128780	21	4 29.4	21.4
237664 2001 SM_{227}	16.9	X	210.89592	66.83364	26.86245	4.88840	0.0944192	0.28812292	2.2703048	21	7 30.3	20.0
237665 2001 SV_{230}	14.5	X	261.87387	211.69947	22.44136	25.32075	0.1427484	0.16722912	3.2628325	21	—	—
237666 2001 SV_{241}	15.6	X	151.00783	204.81914	179.45103	4.92589	0.1605991	0.17161928	3.2069487	21	3 7.3	20.5
237667 2001 SU_{252}	15.0	X	295.05384	267.09419	34.00554	15.81101	0.0990666	0.18022467	3.1040346	21	4 22.0	19.3
237668 2001 SH_{260}	15.7	X	219.24849	160.24257	194.69141	10.22870	0.1147554	0.17854247	3.1235013	21	4 2.8	20.6
237669 2001 SJ_{279}	15.0	X	232.80728	164.71229	214.82372	12.13581	0.1597475	0.18148242	3.0896765	21	5 13.3	20.0
237670 2001 SP_{282}	15.8	X	163.96156	199.89898	154.50962	7.54922	0.1746959	0.17218700	3.1998956	21	2 13.5	21.1
237671 2001 SS_{285}	17.8	X	133.11991	177.30514	246.76242	0.59913	0.1618417	0.27244905	2.3565637	21	3 27.2	20.8
237672 2001 SB_{327}	15.8	X	116.18933	67.45438	9.63486	10.67409	0.0834369	0.17486239	3.1671729	21	3 26.1	20.4
237673 2001 SY_{348}	15.3	X	269.69381	327.60887	355.05093	9.50737	0.0702033	0.18049032	3.1009882	21	4 18.3	19.8
237674 2001 SV_{349}	17.2	X	83.38651	258.35104	13.99479	3.05103	0.0726165	0.29860990	2.2168344	21	10 31.0	20.0
237675 2001 TH_{1}	17.1	X	127.06211	264.18190	178.84893	2.44594	0.2450732	0.27207653	2.3587142	21	4 25.4	20.6
237676 2001 TJ_{10}	16.9	X	74.24652	255.97346	73.89811	5.86878	0.2052339	0.30474031	2.1870033	21	—	—
237677 2001 TD_{57}	15.4	X	213.20418	340.42794	11.29193	9.34038	0.1746503	0.17758761	3.1346877	21	3 23.8	20.6
237678 2001 TV_{61}	15.3	X	274.12180	146.76706	214.67343	9.83151	0.1107750	0.18514064	3.0488417	21	6 9.3	19.7
237679 2001 TV_{75}	15.3	X	160.08186	182.24270	210.68926	6.61936	0.1914811	0.17220712	3.1996464	21	3 26.5	20.7
237680 2001 TK_{97}	17.0	X	354.17546	89.05989	255.27931	3.97748	0.1550149	0.29425696	2.2386432	21	10 5.5	18.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
237681 2001 TS_{108}	17.6	X	4.44446	318.24537	354.04951	5.30960	0.1809111	0.29338024	2.2431009	21	9 10.1	19.1
237682 2001 TE_{110}	16.4	X	202.98970	303.66054	5.01456	6.20769	0.1221192	0.26842162	2.3800773	21	1 10.9	20.0
237683 2001 TY_{122}	15.9	X	115.69702	55.53128	31.04472	11.04780	0.2033008	0.26936599	2.3745111	21	4 13.1	19.1
237684 2001 TT_{134}	16.7	X	42.45390	161.23909	323.07992	9.85078	0.0544455	0.27045484	2.3681336	21	1 23.9	19.4
237685 2001 TE_{157}	16.0	X	300.65798	230.73781	196.84173	11.66826	0.0338770	0.19727859	2.9224656	21	10 21.2	19.9
237686 2001 TD_{159}	15.5	X	305.90681	131.85512	194.66340	11.98565	0.0589113	0.18620655	3.0371955	21	6 13.8	19.8
237687 2001 TX_{163}	17.5	X	230.15036	237.50359	185.69657	6.14233	0.0772893	0.28702471	2.2760922	21	7 9.8	20.6
237688 2001 TQ_{174}	15.3	X	242.72289	339.28401	37.63497	12.88860	0.2604317	0.18572256	3.0424698	21	5 9.5	20.4
237689 2001 TR_{175}	15.9	X	275.98116	158.51897	210.60124	8.03871	0.1048251	0.18816987	3.0160323	21	6 21.8	20.2
237690 2001 TW_{195}	15.5	X	248.04813	210.82062	179.24820	18.43641	0.1750469	0.18381657	3.0634651	21	6 9.2	20.6
237691 2001 TG_{202}	17.0	X	295.99573	308.92169	85.26200	6.09511	0.2422193	0.29200689	2.2501285	21	8 7.4	19.0
237692 2001 TY_{248}	15.4	X	333.29709	227.37286	23.25955	11.82740	0.0500044	0.18024784	3.1037686	21	4 15.2	19.6
237693 2001 TB_{253}	16.1	X	280.14580	149.28136	149.77234	6.13039	0.1291486	0.18004543	3.1060944	21	3 29.7	20.6
237694 2001 TB_{255}	16.0	X	336.55201	181.23969	44.30364	17.71734	0.1480578	0.17602920	3.1531616	21	3 18.1	20.2
237695 2001 UJ_{32}	15.4	X	239.88138	275.06642	31.34431	9.30220	0.1318427	0.17535674	3.1612177	21	2 28.1	20.5
237696 2001 UM_{37}	15.2	X	166.91046	327.63609	28.22742	10.84638	0.0653480	0.17010869	3.2259061	21	2 16.1	20.2
237697 2001 UQ_{47}	17.4	X	358.53289	266.83616	72.20718	4.82683	0.2049084	0.29428591	2.2384964	21	10 18.2	18.8
237698 2001 UL_{60}	15.4	X	291.28320	120.76367	207.97228	13.44316	0.0357665	0.18460795	3.0547039	21	5 31.8	19.8
237699 2001 UX_{62}	15.4	X	4.96605	252.34751	26.95180	8.87598	0.2075656	0.18876028	3.0097400	21	7 13.1	18.5
237700 2001 UG_{67}	15.1	X	338.12902	170.93612	31.10136	23.12390	0.0774341	0.17083753	3.2167245	21	3 3.9	19.8
237701 2001 UM_{74}	15.5	X	29.13316	298.39901	47.78780	12.12995	0.1423279	0.19865220	2.9089782	21	11 19.2	19.2
237702 2001 UJ_{80}	17.4	X	143.87473	235.47224	198.78973	1.78154	0.1857697	0.27401505	2.3475766	21	4 24.3	20.9
237703 2001 UJ_{82}	16.8	X	16.70793	294.14629	55.97473	6.82041	0.1183520	0.29706038	2.2245366	21	11 23.5	18.8
237704 2001 UC_{85}	15.9	X	308.86877	49.76209	192.61837	9.46793	0.0592373	0.17465513	3.1696780	21	3 1.8	20.4
237705 2001 UF_{97}	15.6	X	230.13848	319.43921	42.71389	6.24147	0.1502718	0.17906231	3.1174531	21	4 20.7	20.5
237706 2001 UF_{111}	15.4	X	25.59172	160.71340	31.65998	14.91132	0.0250350	0.17638400	3.1489318	21	4 15.4	19.8
237707 2001 UT_{136}	17.1	X	338.84527	332.84621	331.83250	4.44071	0.1498731	0.28854420	2.2680945	21	6 23.2	19.0
237708 2001 UB_{153}	14.8	X	194.25230	293.16707	58.41564	16.25283	0.0703210	0.16903034	3.2396115	21	3 15.8	20.0
237709 2001 UN_{161}	16.9	X	50.98191	105.42205	225.30609	3.70875	0.2531431	0.29992343	2.2103571	21	—	—
237710 2001 UW_{184}	12.6	X	313.30856	240.35148	53.65506	17.46523	0.0733011	0.08174913	5.2579197	21	5 17.1	19.2
237711 2001 UB_{196}	15.7	X	251.55016	293.24553	32.92196	9.48114	0.0644741	0.17678859	3.1441256	21	4 7.5	20.2
237712 2001 UT_{200}	15.5	X	354.07299	333.57946	240.40688	5.17611	0.0769485	0.17538671	3.1608575	21	3 25.4	19.7
237713 2001 UB_{203}	15.0	X	240.52744	295.00807	71.17470	20.93153	0.1963667	0.18167953	3.0874413	21	5 6.7	20.2
237714 2001 UG_{212}	17.4	X	63.80068	283.10539	22.85561	3.59207	0.2060546	0.29972116	2.2113515	21	12 8.3	20.5
237715 2001 UW_{213}	15.4	X	336.64501	219.62379	47.37976	6.50042	0.1221922	0.18151950	3.0892557	21	5 4.1	19.2
237716 2001 UX_{228}	17.1	X	124.48496	20.21635	138.59039	6.32998	0.0897206	0.28555731	2.2838830	21	7 16.4	20.0
237717 2001 VB_{59}	16.1	X	332.28282	99.80401	27.05611	8.82378	0.2315777	0.25476682	2.4643789	21	—	—
237718 2001 VH_{82}	16.7	X	122.15200	39.39432	73.56097	6.58814	0.1794913	0.27487491	2.3426783	21	5 22.3	20.0
237719 2001 VX_{129}	15.6	X	227.74557	240.69746	115.07560	10.28719	0.0898110	0.17704511	3.1410879	21	4 18.6	20.5
237720 2001 VH_{133}	17.1	X	127.08958	54.04029	148.21495	7.44964	0.0502949	0.29143728	2.2530594	21	9 18.3	19.9
237721 2001 WL_{3}	16.0	X	286.55416	97.03390	214.62236	4.32624	0.1778824	0.18126319	3.0921672	21	4 12.7	20.5
237722 2001 WF_{7}	17.3	X	124.57086	324.47618	107.24076	2.53809	0.1603909	0.27034547	2.3687723	21	3 29.1	20.3
237723 2001 WF_{9}	14.8	X	259.39056	243.04257	75.61461	19.27486	0.1407763	0.17520965	3.1629868	21	4 7.9	20.0
237724 2001 WH_{19}	15.0	X	291.03233	73.88954	228.66948	11.21858	0.1162383	0.17903070	3.1178201	21	4 14.3	19.5
237725 2001 WH_{26}	17.6	X	112.12274	10.48573	71.16236	2.53640	0.1577780	0.27012649	2.3700523	21	3 26.4	20.6
237726 2001 WT_{26}	15.3	X	235.40768	263.10367	67.47353	9.25810	0.1483521	0.17459150	3.1704482	21	3 23.7	20.5
237727 2001 WO_{56}	17.5	X	81.94210	246.24862	30.01389	2.99543	0.1523652	0.29579484	2.2308772	21	11 12.6	20.4
237728 2001 WJ_{64}	15.2	X	323.82096	259.82679	61.91214	6.86071	0.2049766	0.18517231	3.0484940	21	6 14.1	18.8
237729 2001 WB_{71}	17.4	X	95.42943	40.77707	57.26912	2.18509	0.1592666	0.26934089	2.3746586	21	3 25.7	20.1
237730 2001 WP_{71}	15.9	X	263.30387	117.44426	220.87702	8.43028	0.1794148	0.18043187	3.1016578	21	4 20.0	20.6
237731 2001 WW_{80}	18.0	X	110.92673	350.61670	85.94488	1.48442	0.1743743	0.26827491	2.3809449	21	3 20.1	20.8
237732 2001 WC_{93}	16.3	X	252.00503	349.35532	26.16068	5.05606	0.2402692	0.28201889	2.3029468	21	5 13.3	20.0
237733 2001 WP_{103}	16.9	X	79.48876	358.72095	203.62370	6.73205	0.0511215	0.28114283	2.3077285	21	7 10.7	19.8
237734 2001 XV_{25}	16.2	X	34.70901	85.84539	45.93643	5.27508	0.1762861	0.26029713	2.4293483	21	1 21.1	18.2
237735 2001 XJ_{31}	16.9	X	76.78226	55.82121	88.62282	10.84602	0.1478117	0.27021994	2.3695059	21	5 4.0	19.6
237736 2001 XA_{34}	17.6	X	149.90066	223.61843	172.56455	0.78233	0.2151401	0.26900202	2.3766525	21	3 15.2	21.3
237737 2001 XB_{53}	16.9	X	145.66148	36.36626	84.64058	3.85140	0.1091049	0.27748231	2.3279797	21	6 21.2	20.1
237738 2001 XN_{74}	14.9	X	310.04024	253.25528	62.25713	11.00094	0.0793009	0.18328171	3.0694222	21	6 1.7	19.0
237739 2001 XE_{75}	17.5	X	116.15917	299.79176	146.05094	2.14925	0.1976072	0.26954966	2.3734323	21	4 11.7	20.6
237740 2001 XS_{112}	14.8	X	134.50829	232.99048	256.34861	26.39247	0.1916929	0.17398656	3.1777928	21	6 25.4	20.0
237741 2001 XU_{121}	15.6	X	253.24188	249.82692	77.78933	7.65706	0.1571197	0.17658635	3.1465258	21	4 4.1	20.6
237742 2001 XH_{122}	17.3	X	344.03874	353.73681	110.35232	1.12304	0.1568428	0.25386180	2.4702324	21	—	—
237743 2001 XV_{125}	17.4	X	73.42753	322.10161	136.69566	3.14200	0.1539390	0.26537043	2.3982863	21	2 16.9	19.5
237744 2001 XM_{128}	17.2	X	115.34611	13.93619	85.36874	6.43503	0.2041413	0.27072474	2.3665595	21	5 1.1	20.4
237745 2001 XD_{151}	16.6	X	94.78512	10.15864	99.02176	4.84987	0.1716842	0.26791542	2.3830742	21	4 13.5	19.4
237746 2001 XC_{158}	16.4	X	83.17094	21.36494	106.02848	7.53668	0.0473433	0.26866153	2.3786601	21	4 3.4	19.3
237747 2001 XO_{179}	17.2	X	68.45859	359.59170	108.26008	3.44682	0.1562067	0.26265633	2.4147794	21	2 23.0	19.5
237748 2001 XT_{234}	17.4	X	152.73890	89.69438	332.47808	1.92683	0.1899650	0.27194578	2.3594702	21	4 16.8	20.9
237749 2001 XU_{245}	17.0	X	80.40232	295.85036	135.49710	7.08063	0.2323674	0.26362206	2.4088784	21	2 1.6	19.0
237750 2001 XP_{246}	15.3	X	279.27096	257.14040	60.45470	5.70193	0.1401396	0.17632904	3.1495861	21	4 19.1	19.8
237751 2001 XR_{248}	15.0	X	345.21044	166.98545	108.36017	20.81692	0.0894573	0.17254663	3.1954478	21	6 5.6	19.3
237752 2001 XB_{249}	16.2	X	256.84181	246.87655	103.94762	7.59738	0.1675832	0.27492027	2.3424206	21	4 27.3	19.7
237753 2001 XL_{251}	16.9	X	93.55711	8.93718	95.78805	3.62013	0.1425197	0.26706336	2.3881403	21	3 30.9	19.6
237754 2001 YE_{19}	14.7	X	352.04651	11.00518	282.59033	14.19831	0.0741137	0.17744848	3.1363260	21	7 6.8	18.5
237755 2001 YN_{61}	17.1	X	152.43101	5.56264	43.87099	2.17533	0.1784512	0.26951128	2.3736577	21	3 31.8	20.6
237756 2001 YH_{84}	15.9	X	313.03732	18.81405	90.07032	4.84866	0.1628054	0.24635138	2.5201867	21	—	—
237757 2001 YV_{127}	16.7	X	225.47824	325.19755	58.28266	6.11641	0.2003012	0.27662234	2.3328020	21	5 4.1	20.5
237758 2001 YH_{130}	16.9	X	82.57853	34.38190	49.10512	6.29740	0.1553610	0.26236327	2.4165773	21	2 14.9	19.5
237759 2001 YF_{132}	16.2	X	34.79856	328.56075	344.81725	6.60606	0.2454276	0.29331164	2.2434506	21	11 16.8	18.9
237760 2001 YU_{136}	17.2	X	56.93102	103.84556	337.08619	5.44553	0.2391745	0.26054104	2.4278320	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
237761 2001 YN_{148}	16.8	X	10.72516	251.35377	76.07086	7.70495	0.1422760	0.28978044	2.2616393	21	10 16.6	18.9
237762 2002 AP_{2}	15.8	X	149.42717	216.28026	203.26634	23.50079	0.2633077	0.27030504	2.3690085	21	4 17.4	19.5
237763 2002 AL_{13}	17.1	X	78.15064	59.22183	51.15279	2.17533	0.1423758	0.26375748	2.4080539	21	3 13.8	19.6
237764 2002 AZ_{20}	17.3	X	215.00944	294.10142	147.78444	22.69608	0.1019274	0.38279879	1.8785482	21	7 17.3	19.7
237765 2002 AV_{27}	16.5	X	153.16881	10.66142	51.59059	5.45876	0.1320480	0.26856113	2.3792529	21	4 14.9	20.0
237766 2002 AT_{32}	16.1	X	332.58681	257.51418	147.68927	7.86154	0.2603331	0.24151941	2.5536891	21	11 19.8	17.9
237767 2002 AZ_{47}	17.0	X	75.35254	193.53655	266.89705	1.40109	0.2104355	0.26248493	2.4158305	21	3 3.3	19.2
237768 2002 AE_{59}	16.7	X	56.52543	6.55812	135.26191	5.29714	0.1380494	0.26261074	2.4150589	21	3 21.9	19.0
237769 2002 AJ_{74}	17.3	X	5.36076	87.24397	74.72257	4.32300	0.1752840	0.25923536	2.4359772	21	1 5.4	19.8
237770 2002 AV_{75}	16.9	X	11.54520	116.19243	81.65656	3.47270	0.1278138	0.26501712	2.4004174	21	3 17.3	19.1
237771 2002 AT_{77}	17.2	X	49.80016	106.12763	37.51708	1.76876	0.1276539	0.26365372	2.4086856	21	3 9.1	19.3
237772 2002 AM_{85}	16.4	X	47.15262	298.88731	209.93109	5.61552	0.0631623	0.26395071	2.4068784	21	3 4.9	19.2
237773 2002 AW_{93}	17.1	X	12.19739	104.89664	88.66571	5.11576	0.1115825	0.26442849	2.4039784	21	3 14.4	19.5
237774 2002 AD_{97}	16.5	X	308.30359	19.53711	82.14585	1.92836	0.1264608	0.24455616	2.5325050	21	12 19.9	19.1
237775 2002 AO_{100}	17.0	X	353.23223	111.69920	42.63166	2.49749	0.1491944	0.25560497	2.4589886	21	—	—
237776 2002 AQ_{103}	17.6	X	60.82951	60.28993	79.19817	3.51428	0.1572166	0.26371975	2.4082835	21	3 28.9	19.8
237777 2002 AH_{114}	16.8	X	4.24152	103.16104	311.08507	2.32219	0.1588815	0.24665031	2.5181501	21	—	—
237778 2002 AJ_{114}	17.1	X	93.78268	327.51283	115.88257	4.78187	0.1547443	0.26245483	2.4160152	21	3 3.7	19.8
237779 2002 AX_{115}	15.9	X	182.67886	307.49703	295.39103	13.64139	0.0911409	0.24493311	2.5299060	21	—	—
237780 2002 AX_{121}	16.6	X	31.85932	43.73526	115.34544	8.98109	0.1438572	0.26073063	2.4266549	21	2 28.2	18.8
237781 2002 AB_{128}	16.5	X	301.94869	285.89876	138.50589	10.03471	0.1919215	0.23751683	2.5822986	21	10 10.5	19.2
237782 2002 AR_{134}	16.8	X	50.75353	91.35073	111.69783	7.52374	0.1006369	0.27302943	2.3532229	21	6 5.9	19.2
237783 2002 AN_{152}	15.5	X	164.37027	216.27187	316.04568	12.59146	0.1254001	0.22965619	2.6408918	21	9 11.4	19.8
237784 2002 AP_{172}	17.3	X	23.29540	34.42600	85.84641	3.48323	0.1315932	0.25647228	2.4534418	21	—	—
237785 2002 AX_{176}	16.5	X	341.85615	203.51676	340.66984	4.19256	0.1332259	0.25660929	2.4525684	21	1 6.1	19.3
237786 2002 AV_{182}	17.1	X	164.98401	13.55167	28.39044	3.47085	0.2416888	0.27012176	2.3700800	21	4 7.1	20.8
237787 2002 AN_{184}	16.6	X	72.44188	67.84624	18.25338	5.66952	0.0829637	0.25961180	2.4336218	21	1 22.9	19.3
237788 2002 AX_{201}	17.2	X	14.60052	96.07057	49.66719	8.42780	0.2222040	0.25636188	2.4541461	21	—	—
237789 2002 BL_{1}	16.4	X	126.68066	9.76129	55.01482	4.17387	0.1742502	0.26436312	2.4043747	21	3 25.5	19.7
237790 2002 BO_{11}	16.1	X	213.92978	81.27409	143.66580	2.69511	0.0627923	0.24520827	2.5280130	21	—	—
237791 2002 BO_{12}	17.4	X	4.60278	51.62237	122.58039	5.66381	0.1277850	0.25944049	2.4346930	21	1 28.0	19.7
237792 2002 BV_{12}	16.8	X	299.16351	186.98765	127.03764	7.96382	0.1339016	0.27054266	2.3676212	21	5 4.2	19.8
237793 2002 BL_{13}	16.1	X	116.08644	66.28069	60.97204	8.34244	0.0558124	0.26917362	2.3756423	21	5 17.6	18.9
237794 2002 BT_{13}	16.3	X	359.88532	66.94196	153.32481	9.90743	0.2002145	0.26215074	2.4178833	21	3 20.9	18.3
237795 2002 BV_{17}	17.2	X	51.25501	336.50365	182.43215	0.82652	0.1141660	0.26441836	2.4040397	21	4 1.8	19.5
237796 2002 BU_{20}	16.9	X	58.98212	277.72026	281.77520	3.70265	0.1780346	0.26776366	2.3839746	21	6 27.2	19.2
237797 2002 BT_{21}	17.0	X	170.32586	345.23026	86.78936	24.20352	0.0764767	0.37037629	1.9203214	21	5 14.6	19.6
237798 2002 BJ_{27}	15.9	X	230.61151	31.39085	118.87975	12.42020	0.1228793	0.23562905	2.5960726	21	11 2.9	19.8
237799 2002 CA_{3}	16.6	X	311.37842	352.75191	74.21614	5.18643	0.2560572	0.24059276	2.5602420	21	10 25.2	18.4
237800 2002 CS_{9}	17.4	X	335.85386	222.48050	124.91974	23.92458	0.0381153	0.38148814	1.8828484	21	9 22.8	19.4
237801 2002 CX_{9}	16.4	X	104.92740	80.93990	106.79586	23.13022	0.0858603	0.37290136	1.9116428	21	8 7.1	18.6
237802 2002 CZ_{10}	16.8	X	13.36263	208.54601	80.67253	23.69160	0.0559912	0.37353287	1.9094875	21	8 25.2	19.1
237803 2002 CB_{20}	16.0	X	327.55357	18.03978	11.18062	5.16710	0.3213811	0.23846128	2.5754757	21	9 28.1	17.1
237804 2002 CP_{24}	16.5	X	354.68813	350.07391	182.50278	7.64850	0.2711679	0.25514507	2.4619426	21	—	—
237805 2002 CF_{26}	17.4	X	310.03679	33.58279	342.08594	35.30890	0.3410950	0.48525906	1.6038126	21	8 24.6	16.6
237806 2002 CM_{44}	17.6	X	41.37559	150.60084	130.14916	24.76477	0.0460001	0.37988195	1.8881520	21	9 28.6	19.9
237807 2002 CK_{54}	15.8	X	323.90112	77.83880	327.93405	12.94640	0.0366130	0.23495823	2.6010115	21	10 23.2	19.3
237808 2002 CM_{69}	16.9	X	106.07607	340.38064	135.81392	7.78643	0.0904604	0.26673238	2.3901155	21	4 27.1	20.0
237809 2002 CG_{72}	17.9	X	351.48255	140.90813	49.58200	0.96080	0.1565006	0.25812820	2.4429378	21	1 25.3	20.6
237810 2002 CT_{77}	17.0	X	38.99038	355.04479	110.87151	2.40122	0.1401458	0.25550720	2.4596158	21	—	—
237811 2002 CM_{78}	17.2	X	319.98364	117.86278	90.38584	2.21367	0.1282347	0.25555335	2.4593198	21	1 8.7	20.2
237812 2002 CT_{80}	16.8	X	28.99938	29.93029	138.24587	7.89948	0.1062818	0.26057602	2.4276147	21	3 7.5	19.2
237813 2002 CP_{84}	16.4	X	317.84836	86.67691	145.67009	10.30835	0.1896474	0.25652401	2.4531120	21	1 27.3	19.5
237814 2002 CL_{97}	16.5	X	279.96672	317.22130	130.60150	5.72800	0.2338384	0.23659698	2.5889873	21	9 26.2	19.5
237815 2002 CG_{111}	16.6	X	359.37498	31.34422	147.19640	7.25299	0.0697993	0.25587355	2.4572676	21	2 1.8	19.5
237816 2002 CE_{124}	16.8	X	240.75417	355.27245	197.86913	3.89200	0.0966311	0.24319012	2.5419798	21	—	—
237817 2002 CO_{127}	16.7	X	215.11449	266.57191	134.95421	6.58174	0.1195273	0.27342206	2.3509696	21	5 22.6	20.2
237818 2002 CT_{139}	16.2	X	302.59079	269.81251	161.93158	11.74749	0.2559152	0.23945550	2.5683419	21	10 12.2	18.6
237819 2002 CV_{156}	17.5	X	1.09762	107.13326	37.62045	2.09374	0.1292250	0.25556815	2.4592248	21	—	—
237820 2002 CY_{156}	17.4	X	53.80894	85.82517	19.64532	1.42734	0.1282376	0.25831363	2.4417686	21	1 20.2	19.6
237821 2002 CU_{160}	16.7	X	284.19898	94.22026	35.70414	5.60319	0.1746095	0.24383338	2.5375071	21	12 9.8	19.4
237822 2002 CQ_{181}	15.0	X	76.82704	276.01936	128.75308	10.93062	0.0930826	0.15218317	3.4744945	21	1 2.8	19.7
237823 2002 CU_{181}	17.3	X	353.25540	231.72951	318.41624	2.25140	0.1422149	0.25891132	2.4380093	21	1 29.5	19.8
237824 2002 CC_{183}	16.9	X	277.66346	115.58656	37.54851	2.42022	0.0756435	0.24451593	2.5327828	21	—	—
237825 2002 CA_{185}	17.3	X	339.11035	133.80551	56.65608	1.60944	0.1513149	0.25646586	2.4534828	21	1 7.3	20.0
237826 2002 CX_{203}	17.4	X	24.21331	69.71832	40.70145	2.54494	0.1597660	0.25393621	2.4697498	21	—	—
237827 2002 CW_{204}	16.7	X	181.36006	220.67437	18.29911	2.59642	0.1010540	0.24011410	2.5636433	21	12 27.1	20.5
237828 2002 CC_{208}	16.9	X	351.70662	171.43104	17.01845	1.53768	0.1285750	0.25707422	2.4496105	21	1 27.5	19.4
237829 2002 CW_{232}	16.8	X	35.15410	79.49402	79.70992	7.38638	0.0780600	0.26088067	2.4257243	21	3 7.6	19.5
237830 2002 CZ_{258}	16.6	X	349.11879	357.28477	208.81172	9.89352	0.2355663	0.25801078	2.4436790	21	1 26.7	19.3
237831 2002 CG_{292}	16.9	X	342.36843	102.30613	135.16378	6.94783	0.0997515	0.26535572	2.3983749	21	3 27.6	19.5
237832 2002 CN_{307}	16.8	X	337.37166	94.20562	76.38274	4.07587	0.1587283	0.25316016	2.4747945	21	—	—
237833 2002 CZ_{314}	16.3	X	292.93286	359.06555	273.68075	4.93628	0.1500892	0.26107703	2.4245079	21	2 21.9	19.8
237834 2002 DT_{3}	15.9	X	191.20763	73.36352	133.11581	29.60530	0.2997579	0.23305651	2.6151417	21	11 22.6	21.1
237835 2002 DA_{20}	15.8	X	273.15948	50.51577	39.72057	22.64865	0.1013516	0.23344037	2.6122741	21	10 14.9	19.2
237836 2002 ED_{6}	16.1	X	259.73098	285.69000	32.48979	7.11213	0.1282023	0.26070937	2.4267868	21	3 22.7	19.6
237837 2002 EM_{69}	15.6	X	6.90716	294.63074	351.71411	7.22317	0.2817169	0.21523768	2.7575529	21	8 5.6	17.6
237838 2002 EV_{71}	14.9	X	96.10959	132.06102	353.95980	10.95396	0.3129259	0.11167261	4.2707577	21	5 31.2	21.4
237839 2002 EA_{100}	16.5	X	279.66858	253.45181	215.83199	7.92041	0.1230050	0.23913151	2.5706612	21	11 10.8	19.5
237840 2002 EG_{127}	17.3	X	299.85883	314.19334	150.47702	5.06715	0.2297739	0.24200124	2.5502984	21	11 28.6	19.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
237841 2002 EU_{139}	16.4	X	267.46246	240.00347	33.56814	3.32726	0.0427843	0.25711510	2.4493508	21	2 10.1	19.6
237842 2002 EG_{151}	16.2	X	285.51896	244.44893	163.32385	9.61115	0.0140209	0.22581383	2.6707651	21	9 10.0	19.7
237843 2002 EF_{163}	16.3	X	111.27417	282.44224	320.18497	10.54967	0.1552374	0.22887512	2.6468967	21	10 18.1	20.6
237844 2002 FB_{5}	17.5	X	306.84209	142.47074	186.90601	22.92453	0.0515927	0.37108198	1.9178861	21	6 14.5	20.0
237845 Neris	16.7	X	224.12309	120.08413	138.02158	5.22117	0.1818208	0.24392539	2.5368690	21	—	—
237846 2002 FR_{25}	15.9	X	148.01134	156.72937	100.06148	15.10899	0.1540236	0.23460734	2.6036043	21	12 14.3	20.1
237847 2002 FE_{32}	16.5	X	330.52791	74.17997	105.17819	5.11150	0.0895034	0.25172657	2.4841816	21	—	—
237848 2002 GW_{9}	17.2	X	82.72346	320.12370	213.10313	20.74447	0.0512837	0.36613551	1.9351211	21	5 29.9	19.2
237849 2002 GS_{41}	14.1	X	127.07093	247.90287	344.31571	10.08591	0.1457472	0.12513503	3.9586775	21	10 11.6	20.3
237850 2002 GC_{61}	16.7	X	157.40999	27.63126	93.78908	3.94860	0.0870211	0.26904442	2.3764028	21	7 4.2	20.1
237851 2002 GQ_{71}	15.8	X	358.21767	265.04536	47.56827	5.81137	0.0460371	0.22110448	2.7085552	21	8 15.7	19.2
237852 2002 GH_{73}	15.8	X	185.79304	266.86147	43.47520	14.42564	0.0663079	0.24615238	2.5215448	21	—	—
237853 2002 GG_{78}	16.8	X	92.65129	296.81759	224.29753	4.69502	0.1850499	0.26574230	2.3960484	21	6 22.7	20.0
237854 2002 GV_{105}	16.6	X	347.55975	59.37096	51.14843	14.12188	0.1222658	0.24441412	2.5334861	21	—	—
237855 2002 GQ_{116}	16.9	X	255.70165	76.51308	139.68853	5.53144	0.1546348	0.24262585	2.5459195	21	—	—
237856 2002 GV_{116}	16.8	X	272.17738	101.47177	97.63967	3.51609	0.0857350	0.24308896	2.5426850	21	—	—
237857 2002 GJ_{126}	17.5	X	235.87309	46.39061	203.52512	5.40174	0.1688770	0.24263880	2.5458289	21	—	—
237858 2002 GB_{129}	14.4	X	107.32470	232.39518	13.95438	11.62526	0.0926832	0.12442967	3.9736238	21	10 7.5	20.2
237859 2002 GA_{130}	16.4	X	72.90806	173.55242	232.89262	3.64646	0.0558918	0.24517967	2.5282096	21	—	—
237860 2002 GR_{131}	16.8	X	251.82824	334.13154	220.39535	6.83682	0.1086677	0.23998707	2.5645479	21	—	—
237861 2002 GF_{133}	15.0	X	139.45253	24.92849	206.59707	2.14639	0.1143315	0.12582584	3.9441748	21	10 23.6	20.9
237862 2002 GB_{137}	16.4	X	15.98811	85.10061	12.18372	2.91037	0.0778999	0.24449473	2.5329292	21	—	—
237863 2002 GO_{151}	16.1	X	217.93728	14.01476	140.55581	3.40623	0.1185976	0.23021558	2.6366121	21	10 20.7	20.0
237864 2002 HF_{4}	15.9	X	217.23602	190.80378	82.00891	14.83288	0.1355116	0.24214785	2.5492688	21	—	—
237865 2002 HQ_{4}	17.1	X	100.02877	72.73904	49.37203	22.65700	0.0721656	0.36100580	1.9534093	21	4 17.9	19.1
237866 2002 JC_{6}	15.3	X	339.37266	5.74682	158.64517	11.64469	0.0504084	0.24603960	2.5223153	21	—	—
237867 2002 JT_{9}	16.9	X	86.51358	157.41673	65.75320	24.69570	0.0749977	0.37295513	1.9114590	21	9 21.9	19.7
237868 2002 JC_{13}	16.3	X	259.25236	34.28579	213.09287	10.36381	0.1198913	0.24492108	2.5299889	21	—	—
237869 2002 JK_{44}	16.5	X	163.73015	235.01218	226.31467	20.83094	0.0666676	0.36819172	1.9279098	21	6 8.6	18.8
237870 2002 JO_{60}	16.5	X	241.48772	236.11489	34.51555	11.81873	0.1775295	0.24720056	2.5144119	21	1 3.4	20.8
237871 2002 JU_{94}	16.3	X	201.90688	234.34079	53.21746	12.08903	0.1281489	0.24069488	2.5595178	21	—	—
237872 2002 JE_{103}	16.1	X	294.88640	325.05784	217.30400	6.22185	0.1353471	0.24176458	2.5519624	21	—	—
237873 2002 JC_{106}	15.8	X	172.39992	243.80623	65.96963	16.10016	0.2760135	0.23609784	2.5926350	21	—	—
237874 2002 JM_{106}	15.5	X	29.88788	274.24186	7.19648	11.46013	0.1922090	0.21633440	2.7482253	21	9 8.8	18.5
237875 2002 JK_{116}	16.1	X	307.87517	266.36639	253.23347	5.90452	0.1314971	0.24256405	2.5463519	21	—	—
237876 2002 JE_{120}	16.2	X	297.87326	52.20616	98.62901	14.60565	0.0882142	0.24040352	2.5615854	21	—	—
237877 2002 JZ_{134}	16.3	X	140.32852	64.81507	242.95777	6.64436	0.1957347	0.23487859	2.6015994	21	—	—
237878 2002 JC_{145}	16.2	X	112.04163	117.02214	166.20604	12.44830	0.2292110	0.22663509	2.6643091	21	12 15.9	21.0
237879 2002 KF_{9}	16.3	X	220.66192	104.87076	173.55929	5.90416	0.1489402	0.24183593	2.5514604	21	—	—
237880 2002 KS_{9}	17.2	X	117.57083	9.79010	119.55840	24.48114	0.0800618	0.36275396	1.9471285	21	5 29.8	19.9
237881 2002 LN_{3}	15.9	X	205.29217	122.10040	187.75570	15.45757	0.3590519	0.23942899	2.5685315	21	1 20.4	21.1
237882 2002 LZ_{9}	16.5	X	171.61265	187.19042	118.05888	5.25857	0.2627412	0.23629233	2.5912121	21	—	—
237883 2002 LQ_{12}	16.7	X	211.82817	108.90438	196.90779	4.88284	0.2628735	0.24133629	2.5549807	21	1 19.9	21.3
237884 2002 LY_{21}	17.1	X	49.17962	284.34016	252.22663	18.24572	0.0808656	0.35937171	1.9593264	21	3 27.4	19.1
237885 2002 LE_{24}	15.5	X	107.93276	205.24468	121.69872	15.59093	0.3088762	0.22518333	2.6757481	21	—	—
237886 2002 LJ_{29}	16.0	X	192.56310	198.96188	113.73798	14.38837	0.2546815	0.23729546	2.5839043	21	1 15.7	20.6
237887 2002 LE_{45}	16.4	X	214.41642	239.86398	61.75168	12.43386	0.1311968	0.24374997	2.5380860	21	1 18.2	20.5
237888 2002 LY_{46}	17.3	X	17.69529	97.86291	109.05794	24.07109	0.0594523	0.35918127	1.9600189	21	4 12.9	19.8
237889 2002 LK_{53}	15.9	X	244.15644	131.41669	102.65499	28.58004	0.1971508	0.23736290	2.5834149	21	—	—
237890 2002 LJ_{60}	16.3	X	231.66675	74.50134	174.22124	11.92165	0.1508500	0.23939412	2.5687809	21	—	—
237891 2002 LN_{62}	16.3	X	145.64387	180.15308	98.64978	13.13347	0.1346830	0.22690459	2.6621991	21	—	—
237892 2002 NG_{10}	16.6	X	127.75531	324.62596	262.60612	4.73276	0.3314941	0.22119157	2.7078441	21	10 24.7	21.6
237893 2002 NL_{32}	15.9	X	120.89346	105.69285	217.59847	13.39260	0.2231098	0.22529555	2.6748595	21	—	—
237894 2002 NP_{39}	15.3	X	156.36723	111.82899	192.11986	12.41917	0.2733462	0.22751852	2.6574079	21	—	—
237895 2002 NP_{45}	16.7	X	157.34739	155.64114	136.99964	6.00853	0.2407323	0.23057023	2.6339078	21	—	—
237896 2002 NR_{48}	16.5	X	195.06064	52.54680	207.23638	3.44604	0.1565351	0.23139002	2.6276829	21	—	—
237897 2002 NJ_{57}	16.3	X	190.39750	147.77694	113.06680	14.12756	0.1513903	0.23175493	2.6249239	21	—	—
237898 2002 NW_{64}	16.5	X	134.01086	290.71669	6.47083	2.07157	0.1084362	0.22793459	2.6541730	21	—	—
237899 2002 NL_{67}	16.4	X	58.45168	165.82321	172.62315	4.90220	0.0629090	0.22090824	2.7101590	21	12 11.8	20.2
237900 2002 NT_{68}	15.3	X	192.21656	20.78361	288.68246	10.45185	0.1391859	0.18254080	3.0777222	21	1 14.8	20.3
237901 2002 OU_{5}	16.1	X	208.01022	120.80071	161.36759	13.31317	0.1777987	0.23584981	2.5944523	21	—	—
237902 2002 OY_{11}	16.4	X	170.73412	106.66863	179.18779	13.36882	0.2147460	0.23132012	2.6282123	21	—	—
237903 2002 OG_{16}	15.0	X	123.59713	213.08386	140.91528	18.90077	0.1658188	0.17943300	3.1131581	21	1 4.4	19.8
237904 2002 PU_{17}	16.2	X	114.76078	225.88284	132.77108	13.04122	0.1143410	0.23072113	2.6327592	21	—	—
237905 2002 PA_{38}	16.2	X	126.14418	24.19427	231.21999	5.46902	0.1030671	0.21929310	2.7234500	21	11 18.2	20.3
237906 2002 PL_{43}	16.8	X	55.91552	331.96805	279.92663	20.40946	0.0367537	0.36458991	1.9405863	21	8 11.6	19.1
237907 2002 PO_{52}	16.4	X	200.62539	121.25497	127.07246	13.71631	0.2325738	0.23099663	2.6306655	21	—	—
237908 2002 PO_{54}	15.3	X	52.91082	308.87756	33.37382	8.96103	0.2530533	0.21504997	2.7591573	21	—	—
237909 2002 PC_{58}	15.5	X	67.10506	203.20657	163.99397	17.94660	0.2624050	0.22042430	2.7141243	21	—	—
237910 2002 PM_{61}	16.0	X	129.93618	133.74681	173.79498	13.30955	0.2664053	0.22536876	2.6742802	21	—	—
237911 2002 PT_{69}	15.5	X	76.81628	84.62399	243.44259	8.50289	0.1774232	0.21894747	2.7263154	21	12 31.7	19.8
237912 2002 PU_{77}	16.4	X	185.70941	198.45533	73.59878	6.04475	0.2307832	0.23044819	2.6348376	21	—	—
237913 2002 PC_{89}	16.0	X	152.17689	103.41072	197.67851	15.20356	0.0797935	0.22791622	2.6543156	21	—	—
237914 2002 PR_{104}	16.0	X	117.63115	129.64260	178.90423	13.60319	0.1765630	0.22401450	2.6850474	21	—	—
237915 2002 PH_{106}	16.6	X	67.18082	118.39146	210.55904	7.03642	0.1408350	0.21902315	2.7256874	21	12 19.6	20.6
237916 2002 PU_{115}	16.1	X	162.17072	71.13009	211.83090	12.60349	0.2733388	0.22731714	2.6589770	21	—	—
237917 2002 PO_{120}	15.7	X	186.39295	2.71881	309.02621	9.46996	0.1454669	0.18114095	3.0935582	21	1 13.9	20.7
237918 2002 PK_{124}	16.1	X	79.43180	146.04748	174.32148	5.02915	0.1163360	0.21970536	2.7200420	21	12 19.9	20.2
237919 2002 PP_{166}	15.9	X	55.21486	205.08408	98.15982	4.36677	0.0545126	0.21438026	2.7649006	21	10 23.4	19.6
237920 2002 PU_{171}	16.3	X	184.49498	70.25646	151.66728	9.18686	0.0927597	0.22281984	2.6946362	21	12 8.4	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
237921 2002 PF_{173}	15.9	X	316.21018	175.29018	212.13108	3.74214	0.0784890	0.21006174	2.8026664	21	9 16.4	19.3
237922 2002 PS_{174}	16.0	X	199.76869	80.80505	61.37652	5.39609	0.0108708	0.21160170	2.7890520	21	9 23.6	19.8
237923 2002 PA_{175}	17.0	X	18.63932	296.12952	56.47794	5.09111	0.0810318	0.21552494	2.7551021	21	11 8.5	20.4
237924 2002 PO_{178}	16.2	X	207.98417	354.38313	234.13845	4.60086	0.2110261	0.22897229	2.6461478	21	12 28.4	20.3
237925 2002 PY_{179}	16.7	X	359.76654	152.16468	186.28840	0.14693	0.0784279	0.21079107	2.7961980	21	9 20.3	20.1
237926 2002 PH_{183}	16.7	X	152.16637	194.77353	359.73699	3.18066	0.0322593	0.21378236	2.7700534	21	9 28.6	20.6
237927 2002 PG_{187}	16.3	X	329.76316	0.75919	71.82698	5.98836	0.0188158	0.22001182	2.7175155	21	12 9.2	19.9
237928 2002 PG_{189}	16.5	X	3.90955	191.58754	159.09628	3.66557	0.1041509	0.21414980	2.7668839	21	10 17.3	19.7
237929 2002 QX_{12}	16.8	X	198.91033	31.29950	300.77306	7.95166	0.1711500	0.23794720	2.5791839	21	2 8.3	21.0
237930 2002 QY_{13}	15.8	X	218.91458	226.45649	196.89225	11.05747	0.1812743	0.19939444	2.9017547	21	6 20.2	20.7
237931 2002 QD_{27}	16.6	X	352.77258	268.43427	98.03826	2.83826	0.0653805	0.21260179	2.7802986	21	10 18.3	20.0
237932 2002 QO_{50}	16.4	X	80.92973	81.79199	207.15172	4.10264	0.0926941	0.21517468	2.7580911	21	11 9.9	20.4
237933 2002 QN_{55}	16.5	X	311.86918	291.50318	63.43613	3.03309	0.0837761	0.20455066	2.8527833	21	7 28.2	20.0
237934 2002 QC_{64}	16.2	X	18.85565	298.10595	34.52902	3.96152	0.1012222	0.21209458	2.7847294	21	10 15.3	19.4
237935 2002 QJ_{77}	16.2	X	173.28104	250.62424	316.68725	2.88704	0.1224833	0.21863202	2.7289372	21	11 4.8	20.4
237936 2002 QF_{84}	16.4	X	16.11797	308.63160	341.44023	1.31080	0.0351104	0.20525593	2.8462447	21	8 7.5	20.0
237937 2002 QC_{85}	16.3	X	79.83909	343.03609	282.31675	3.21773	0.0172436	0.21151809	2.7897870	21	9 26.6	20.1
237938 2002 QM_{92}	16.3	X	110.82599	273.76884	351.16383	8.69769	0.1318965	0.21688116	2.7436044	21	11 12.9	20.6
237939 2002 QG_{93}	16.4	X	307.17522	347.40170	358.16173	10.58610	0.0956055	0.20268775	2.8702367	21	7 7.6	20.2
237940 2002 QR_{99}	16.3	X	348.70089	232.01058	128.48092	7.25317	0.0684047	0.21049899	2.7987839	21	10 5.8	19.8
237941 2002 QN_{102}	17.3	X	239.64964	281.19273	354.60520	4.91574	0.2200666	0.23721494	2.5844890	21	1 8.4	21.7
237942 2002 QB_{116}	16.4	X	155.74046	20.50553	188.13123	6.19873	0.0240708	0.21449910	2.7638792	21	10 21.9	20.3
237943 2002 QM_{127}	16.4	X	327.86700	22.18040	5.65360	4.94970	0.0330228	0.21200410	2.7855217	21	10 8.0	20.0
237944 2002 RM_{11}	16.0	X	58.06624	136.78318	146.92507	6.36301	0.0301247	0.21012586	2.8020962	21	9 27.6	19.7
237945 2002 RR_{18}	16.1	X	144.14002	294.54613	358.11413	12.78508	0.2649605	0.22526725	2.6750835	21	—	—
237946 2002 RM_{29}	16.0	X	45.68851	107.79605	195.24435	7.77152	0.0775300	0.21082098	2.7959334	21	10 11.5	19.7
237947 2002 RQ_{31}	15.5	X	100.23577	145.68684	185.89260	8.49185	0.1471650	0.22218381	2.6997762	21	—	—
237948 2002 RU_{33}	15.5	X	202.05269	359.79218	331.28983	10.28024	0.1014923	0.18448668	3.0560424	21	2 17.3	20.1
237949 2002 RU_{36}	16.2	X	96.18170	171.73604	178.37678	12.16021	0.1981961	0.22390957	2.6858862	21	—	—
237950 2002 RO_{45}	15.9	X	5.46029	238.87700	96.27937	4.26977	0.1050456	0.20861335	2.8156239	21	9 29.1	19.2
237951 2002 RD_{46}	16.2	X	193.93685	213.40836	108.99458	4.11749	0.1455607	0.23494402	2.6011164	21	1 24.5	20.4
237952 2002 RQ_{60}	16.2	X	86.16572	114.31067	224.13027	5.24261	0.2257102	0.22111395	2.7084779	21	—	—
237953 2002 RS_{69}	16.1	X	59.91300	321.28775	354.71053	8.83083	0.3033559	0.21625675	2.7488831	21	12 14.4	20.5
237954 2002 RJ_{76}	16.2	X	55.35053	126.23112	158.40151	5.11258	0.0813928	0.20962646	2.8065448	21	10 2.1	20.0
237955 2002 RW_{80}	16.0	X	29.66887	342.14902	356.49589	9.53841	0.1618293	0.21243437	2.7817591	21	11 13.4	19.6
237956 2002 RF_{82}	15.1	X	160.58101	337.07720	347.27545	8.75383	0.0724193	0.17613227	3.1519315	21	—	—
237957 2002 RQ_{89}	15.7	X	198.13309	208.97651	159.45569	9.43668	0.0917064	0.18864029	3.0110161	21	3 30.8	20.3
237958 2002 RO_{109}	15.1	X	196.62522	339.72787	328.60755	13.67972	0.0588370	0.17951805	3.1121747	21	1 18.8	19.8
237959 2002 RA_{111}	15.9	X	105.01485	296.15469	4.57869	9.95090	0.2712470	0.21946708	2.7220104	21	12 31.8	20.9
237960 2002 RF_{124}	15.3	X	45.50082	280.88705	93.37842	10.41704	0.1738693	0.21921308	2.7241127	21	—	—
237961 2002 RM_{140}	15.8	X	92.17813	289.25829	28.77651	12.76639	0.1986964	0.22001520	2.7174877	21	—	—
237962 2002 RN_{148}	15.7	X	90.17632	81.86199	352.74327	11.08706	0.1212093	0.18014732	3.1049230	21	2 25.2	19.8
237963 2002 RC_{158}	15.1	X	345.64910	335.70909	187.79899	11.93978	0.1533040	0.17886333	3.1197648	21	1 1.0	19.3
237964 2002 RT_{161}	15.7	X	137.71309	236.15654	3.04041	8.27208	0.1446643	0.21627888	2.7486956	21	11 8.3	20.2
237965 2002 RV_{163}	15.9	X	200.50762	252.58044	170.82605	5.26892	0.1018586	0.19570473	2.9381130	21	6 7.1	20.4
237966 2002 RC_{165}	16.5	X	30.21909	129.33646	176.01810	5.29851	0.1114089	0.20857510	2.8159681	21	9 26.9	19.9
237967 2002 RB_{174}	15.9	X	87.88962	35.90180	250.46451	3.52981	0.0837947	0.21477866	2.7614804	21	11 12.7	19.7
237968 2002 RF_{176}	16.3	X	319.13344	123.23545	245.64200	4.86123	0.0876952	0.20553956	2.8436257	21	8 24.0	19.8
237969 2002 RA_{197}	15.4	X	345.78311	309.78675	24.90151	13.42752	0.1041156	0.20534659	2.8454070	21	8 29.8	18.9
237970 2002 RW_{207}	16.7	X	118.61743	185.43768	93.80310	3.13577	0.1952092	0.21998523	2.7177345	21	12 13.5	21.1
237971 2002 RY_{207}	15.9	X	199.23643	18.43858	16.74264	5.55342	0.2020634	0.19145636	2.9814179	21	4 29.1	20.9
237972 2002 RN_{218}	15.6	X	263.99263	285.65712	125.22244	6.59420	0.0571270	0.20366540	2.8610441	21	8 8.2	19.4
237973 2002 RN_{219}	16.1	X	336.23291	219.52659	128.13550	2.97370	0.0891776	0.20685512	2.8315563	21	8 25.7	19.3
237974 2002 RD_{225}	16.4	X	122.07460	32.15533	241.70502	3.98535	0.2485344	0.22038406	2.7144547	21	12 11.9	21.2
237975 2002 RM_{227}	16.3	X	225.34343	18.81863	345.11412	5.68494	0.1818378	0.19180656	2.9777878	21	4 13.3	21.3
237976 2002 RX_{227}	15.8	X	146.36622	182.71858	92.48475	10.28377	0.1471818	0.22321413	2.6914621	21	12 31.9	20.2
237977 2002 RE_{237}	16.3	X	16.89148	306.59313	19.51610	5.57679	0.0242244	0.20930837	2.8093875	21	9 25.9	19.9
237978 2002 RG_{244}	16.4	X	245.23719	207.56620	161.10134	2.28467	0.1207391	0.19693659	2.9258481	21	5 14.9	20.9
237979 2002 RP_{250}	15.9	X	345.13429	332.11548	3.81794	13.69083	0.1061295	0.20672386	2.8327548	21	8 28.5	19.3
237980 2002 RV_{257}	16.5	X	136.48543	265.24424	165.33751	0.70369	0.1475017	0.18786788	3.0192635	21	4 15.2	21.2
237981 2002 RG_{266}	16.2	X	305.57246	289.01692	118.90970	5.46387	0.0245252	0.21116815	2.7928682	21	10 7.2	19.9
237982 2002 RG_{271}	16.6	X	227.60673	202.66005	190.61637	1.67903	0.1044045	0.19715108	2.9237256	21	5 28.0	20.9
237983 2002 SH_{2}	15.5	X	44.97695	325.54744	92.40957	3.12284	0.1441617	0.17051437	3.2207874	21	—	—
237984 2002 SN_{16}	14.5	X	248.32902	270.12745	337.26885	20.84316	0.1025517	0.17609762	3.1523449	21	—	—
237985 2002 SC_{21}	15.9	X	101.70727	79.45776	14.71370	16.26922	0.2173613	0.18194466	3.0844412	21	4 13.8	20.5
237986 2002 SZ_{25}	15.4	X	99.47714	268.23416	44.57432	7.95189	0.2554967	0.21947786	2.7219214	21	—	—
237987 2002 SY_{27}	15.8	X	70.37333	68.68339	12.40273	13.11197	0.2918008	0.17460036	3.1703409	21	3 5.8	19.6
237988 2002 SM_{34}	16.2	X	112.33502	157.49822	142.78808	5.98646	0.1997513	0.22042429	2.7141244	21	—	—
237989 2002 SN_{46}	15.2	X	99.36563	224.17753	203.57820	17.61987	0.2030522	0.17714559	3.1399000	21	3 6.9	19.9
237990 2002 SR_{46}	15.8	X	106.55918	273.03974	53.70264	5.82888	0.2610516	0.21995331	2.7179975	21	—	—
237991 2002 SV_{51}	15.2	X	181.09147	290.69021	131.35112	11.06585	0.1153117	0.19148401	2.9811308	21	5 19.6	20.1
237992 2002 SB_{52}	15.5	X	271.84953	4.44997	40.94580	13.58693	0.0883486	0.20209338	2.8758617	21	8 12.3	19.7
237993 2002 SB_{55}	15.7	X	346.15502	165.53847	205.52389	8.40143	0.1600581	0.20954617	2.8072617	21	10 14.7	18.4
237994 2002 SU_{65}	16.0	X	112.84965	179.37169	83.23304	5.81239	0.0739909	0.21586168	2.7522361	21	11 12.1	20.0
237995 2002 SX_{65}	16.3	X	26.05337	240.83707	89.83723	5.45337	0.0739888	0.21204518	2.7851619	21	10 22.1	19.9
237996 2002 SR_{73}	15.6	X	166.73613	251.12656	164.77489	10.35692	0.1929401	0.18990745	2.9976072	21	4 30.8	20.7
237997 2002 TY_{18}	15.5	X	171.78021	138.62344	196.72885	10.50157	0.1949773	0.17926202	3.1151372	21	1 27.6	20.8
237998 2002 TZ_{31}	15.0	X	38.29519	87.92095	30.63779	26.34082	0.2607278	0.17219794	3.1997601	21	2 28.7	18.8
237999 2002 TF_{46}	16.1	X	44.28053	299.83070	21.06980	6.09786	0.1544818	0.21255223	2.7807307	21	11 11.9	19.9
238000 2002 TD_{61}	15.3	X	191.78029	37.68116	273.79846	8.30718	0.1239882	0.17866971	3.1220182	21	1 16.2	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
238001 2002 TC_{105}	16.2	X	268.80960	136.86331	243.87900	2.81623	0.1383681	0.19780481	2.9172803	21	6 23.2	20.4
238002 2002 TT_{111}	16.1	X	60.08556	278.09358	60.45958	4.18671	0.2033874	0.21752236	2.7382102	21	12 31.1	20.2
238003 2002 TP_{124}	16.1	X	125.52329	220.44516	82.54949	4.13657	0.1940188	0.22340342	2.6899415	21	—	—
238004 2002 TE_{140}	15.9	X	15.59153	300.17918	358.00565	1.35120	0.0717338	0.20263538	2.8707312	21	8 20.3	19.5
238005 2002 TT_{140}	16.0	X	322.18554	309.18594	8.02434	2.59787	0.0993484	0.19760681	2.9192287	21	6 19.4	19.6
238006 2002 TU_{153}	15.6	X	306.69799	210.18367	206.27495	14.26678	0.0392149	0.21221506	2.7836753	21	10 15.7	19.1
238007 2002 TH_{165}	15.7	X	74.66050	247.28534	87.00177	8.50446	0.2546864	0.21781590	2.7357495	21	—	—
238008 2002 TD_{212}	15.0	X	141.83262	179.72957	133.45886	20.75244	0.1225522	0.17075029	3.2178200	21	—	—
238009 2002 TX_{212}	15.6	X	96.30768	269.02374	62.66961	13.54797	0.1622931	0.22073854	2.7115479	21	—	—
238010 2002 TQ_{251}	17.5	X	220.12369	265.79086	124.82588	3.40548	0.1328114	0.29610727	2.2293076	21	5 10.8	20.7
238011 2002 TE_{262}	16.0	X	144.42169	44.48978	22.53092	12.60417	0.2038215	0.18360390	3.0658303	21	4 21.9	21.0
238012 2002 TV_{304}	16.1	X	105.07063	209.67899	52.14583	8.67294	0.1821765	0.21191990	2.7862595	21	11 10.1	20.6
238013 2002 TF_{314}	15.2	X	305.72804	164.01171	149.34945	12.22035	0.0988201	0.19308803	2.9645980	21	5 24.1	19.4
238014 2002 TA_{320}	16.4	X	279.32908	125.21372	270.96844	0.95750	0.0738060	0.20275156	2.8696345	21	8 6.0	20.1
238015 2002 TK_{355}	16.8	X	94.75231	100.27711	200.66155	8.27582	0.1480489	0.21767888	2.7368974	21	12 14.9	21.1
238016 2002 TJ_{381}	16.2	X	128.73417	227.18088	202.94574	3.95765	0.1090119	0.18420347	3.0591740	21	4 2.1	20.7
238017 2002 UC_{18}	15.9	X	130.55909	245.18124	184.44139	5.78367	0.1814000	0.18166993	3.0875501	21	4 12.5	20.7
238018 2002 UL_{29}	15.1	X	310.23101	316.32827	74.24664	17.29719	0.2484002	0.20198919	2.8768505	21	8 28.5	18.6
238019 2002 UV_{29}	16.4	X	113.72673	50.86798	204.81413	1.59312	0.1682959	0.21079014	2.7962061	21	11 9.4	20.9
238020 2002 UY_{58}	15.9	X	40.01399	133.99968	79.26506	12.13081	0.1106926	0.19078178	2.9884416	21	6 6.9	19.4
238021 2002 UF_{72}	15.8	X	151.98289	96.12394	33.80666	11.87976	0.0589480	0.19304430	2.9650457	21	7 8.9	20.4
238022 2002 VE_{5}	16.1	X	56.68048	69.39827	65.44360	2.28535	0.1249862	0.17773380	3.1329686	21	3 25.1	20.0
238023 2002 VT_{9}	17.1	X	142.69403	272.56641	154.58409	6.56925	0.2615475	0.28628697	2.2800008	21	4 21.9	20.7
238024 2002 VE_{22}	17.8	X	157.31604	47.57441	15.61328	1.48166	0.1938003	0.28910648	2.2651528	21	4 22.2	21.2
238025 2002 VR_{23}	15.7	X	96.33206	20.95529	47.81832	1.92140	0.1928271	0.17431295	3.1738248	21	3 7.9	20.0
238026 2002 VA_{38}	15.0	X	147.48350	3.91800	58.53994	21.70945	0.1114557	0.18362712	3.0655719	21	4 21.2	19.9
238027 2002 VS_{49}	15.1	X	234.82719	274.58987	85.01768	13.41895	0.1969500	0.18751712	3.0230275	21	4 23.5	20.3
238028 2002 VH_{93}	15.8	X	151.19898	288.39318	93.88005	4.78035	0.1785561	0.17822524	3.1272066	21	3 8.4	20.8
238029 2002 VO_{104}	14.7	X	209.50176	302.10984	50.08979	23.33040	0.0480730	0.18032700	3.1028602	21	4 3.4	19.6
238030 2002 VH_{126}	16.9	X	135.37275	60.07815	33.65411	8.34460	0.0927720	0.28861407	2.2677285	21	4 28.9	19.7
238031 2002 WF_{4}	15.7	X	189.56755	179.01917	227.41229	8.30752	0.2037679	0.18516757	3.0485461	21	5 5.9	21.0
238032 2002 WZ_{8}	17.3	X	287.77860	99.96245	7.38581	5.49505	0.0942754	0.31389442	2.1442742	21	12 12.8	19.2
238033 2002 WA_{27}	16.3	X	118.12460	31.53496	16.99539	0.81724	0.1634904	0.17534473	3.1613620	21	3 3.8	21.0
238034 2002 WB_{30}	16.1	X	350.59253	316.49261	359.18194	4.42288	0.0942799	0.19780295	2.9172985	21	8 5.3	19.5
238035 2002 XS_{44}	15.7	X	79.21230	171.49805	225.03413	11.56067	0.1079411	0.22128160	2.7071096	21	—	—
238036 2002 XO_{48}	17.4	X	203.27898	275.86277	97.52689	3.54104	0.1883176	0.28938919	2.2636773	21	4 1.9	21.0
238037 2002 XO_{70}	14.9	X	55.18560	46.10705	76.84196	17.79027	0.1224910	0.17201748	3.2019976	21	3 17.5	19.3
238038 2002 XX_{76}	16.0	X	209.48881	354.99046	29.19473	4.94053	0.2841267	0.18653100	3.0336726	21	4 23.6	21.5
238039 2002 XG_{78}	16.2	X	30.01514	346.31574	72.72396	5.35255	0.1991574	0.21388145	2.7691977	21	—	—
238040 2002 XG_{119}	15.4	X	193.16893	228.30686	116.18034	7.26322	0.1039000	0.17690135	3.1427895	21	2 27.1	20.3
238041 2002 YS_{33}	17.1	X	213.35850	163.18831	306.18369	5.47211	0.0829728	0.29742189	2.2227337	21	8 22.9	20.1
238042 2003 AF_{5}	15.8	X	134.37951	350.24043	101.35161	19.41545	0.1124569	0.17834386	3.1258198	21	5 12.9	20.8
238043 2003 AO_{28}	17.2	X	289.86896	323.25902	131.05424	4.71123	0.0994201	0.30711550	2.1757127	21	11 26.1	19.1
238044 2003 AF_{33}	17.9	X	216.01359	63.19801	48.31513	1.37543	0.1365899	0.29802806	2.2197187	21	8 25.8	20.8
238045 2003 AE_{50}	15.5	X	176.49147	326.55899	100.19354	16.11004	0.1040064	0.18071692	3.0983954	21	5 22.0	20.5
238046 2003 BR_{19}	16.8	X	139.25626	127.45129	80.94107	7.56612	0.0277944	0.29827387	2.2184990	21	10 14.9	19.6
238047 2003 BN_{20}	17.0	X	187.87606	140.29093	352.75742	5.61680	0.1023930	0.29516199	2.2340648	21	8 26.4	19.9
238048 2003 BH_{37}	17.1	X	183.98221	346.60326	151.66294	6.75171	0.0898772	0.29233896	2.2484242	21	8 28.5	20.1
238049 2003 BP_{40}	16.7	X	206.48745	61.53184	318.52279	6.36284	0.1763378	0.28509450	2.2863541	21	4 8.6	20.4
238050 2003 BA_{41}	17.2	X	131.98786	111.75546	144.11316	4.50443	0.0866315	0.30530443	2.1843085	21	12 8.3	20.2
238051 2003 BT_{51}	16.9	X	93.78320	146.62864	284.29778	4.31175	0.2011397	0.27523976	2.3406075	21	2 15.5	19.2
238052 2003 BZ_{52}	17.0	X	127.64476	156.89778	297.68201	2.93441	0.1228146	0.28218907	2.3020209	21	4 23.8	20.1
238053 2003 BQ_{56}	17.0	X	108.00696	101.18976	138.61665	5.34938	0.1374059	0.29571364	2.2312855	21	10 24.9	20.2
238054 2003 BK_{71}	16.9	X	41.02745	13.71610	153.66827	5.26549	0.1604215	0.27594573	2.3366137	21	3 28.6	18.6
238055 2003 BY_{72}	17.1	X	87.43542	318.18731	168.22830	7.79629	0.1497956	0.27974981	2.3153830	21	4 21.7	19.6
238056 2003 BD_{74}	15.3	X	112.94824	166.92316	355.67999	14.17906	0.0537358	0.18135661	3.0911052	21	7 4.9	20.0
238057 2003 BD_{77}	17.3	X	71.01370	99.26981	24.46482	2.80049	0.1725977	0.27790835	2.3255998	21	3 22.4	19.3
238058 2003 CC_{2}	16.6	X	170.63025	337.35894	114.01666	7.27849	0.0732551	0.28693206	2.2765822	21	6 8.0	19.6
238059 2003 CT_{3}	17.0	X	69.37405	303.91010	159.95395	9.80415	0.1765290	0.27414821	2.3468164	21	2 16.2	18.9
238060 2003 CG_{7}	17.6	X	155.17633	63.37625	55.23732	3.55342	0.1810948	0.28788981	2.2715302	21	7 2.6	21.1
238061 2003 CG_{17}	16.7	X	316.74754	117.59615	92.33088	5.14197	0.1789082	0.26739405	2.3861709	21	—	—
238062 2003 DP_{17}	17.0	X	351.14339	234.00634	334.39557	2.31708	0.1944935	0.27169145	2.3609424	21	2 9.6	19.2
238063 2003 EG	16.5	X	301.94174	326.92520	359.03737	31.79124	0.7138233	0.43013819	1.7380571	21	3 10.6	20.1
238064 2003 EA_{16}	16.8	X	223.97541	12.93792	81.23845	5.75208	0.0915254	0.29383077	2.2408074	21	8 17.3	19.7
238065 2003 ES_{22}	17.1	X	112.79084	52.41678	102.91283	3.02348	0.1408325	0.28405490	2.2919292	21	7 3.6	20.2
238066 2003 EX_{32}	16.9	X	48.62174	229.90422	355.33610	5.28404	0.1092310	0.28284302	2.2984712	21	7 7.9	19.2
238067 2003 EH_{33}	16.8	X	23.98027	117.03573	160.89960	4.98179	0.1723870	0.28514318	2.2860939	21	8 23.4	18.8
238068 2003 EK_{39}	16.2	X	268.23393	122.36891	118.13544	15.59673	0.1362481	0.26372785	2.4082342	21	—	—
238069 2003 EQ_{40}	16.2	X	21.63782	132.77770	103.75733	24.29653	0.1852889	0.27664435	2.3326783	21	6 12.9	18.2
238070 2003 EF_{57}	16.3	X	123.09167	53.87128	154.84544	23.48039	0.1973120	0.28965007	2.2623179	21	10 4.1	20.1
238071 2003 FM_{1}	16.2	X	147.88818	112.19489	14.59067	22.20629	0.2404901	0.28635622	2.2796332	21	7 14.7	20.5
238072 2003 FW_{7}	16.3	X	10.38674	247.86286	42.55983	8.74210	0.2941399	0.28232129	2.3013021	21	9 8.8	17.6
238073 2003 FU_{18}	16.8	X	303.79860	58.29831	189.67650	2.46759	0.1998833	0.26777986	2.3838785	21	1 27.5	20.0
238074 2003 FG_{32}	17.3	X	88.47051	29.42072	169.71669	5.53616	0.1081666	0.28445372	2.2897864	21	7 28.8	20.1
238075 2003 FL_{57}	16.7	X	303.93978	99.40860	146.40558	2.89943	0.1895364	0.26832536	2.3806465	21	1 26.5	19.8
238076 2003 FA_{61}	17.1	X	74.60227	84.56001	106.85567	3.10133	0.1040316	0.28166493	2.3048758	21	6 27.3	19.5
238077 2003 FC_{69}	16.9	X	118.53026	102.16334	59.87620	6.57731	0.0497293	0.28403542	2.2920340	21	7 9.3	19.8
238078 2003 FZ_{81}	17.1	X	66.88851	64.47732	135.68800	3.63967	0.1535193	0.28014535	2.3132031	21	7 6.8	19.5
238079 2003 FE_{90}	15.1	X	358.19577	271.09532	338.03701	14.23136	0.0498921	0.16980358	3.2297692	21	5 14.3	19.7
238080 2003 FE_{94}	17.2	X	46.76386	152.10690	54.01947	8.33633	0.1590690	0.27746662	2.3280674	21	6 9.9	19.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
238081 2003 FC_{95}	17.7	X	40.73565	202.76341	357.64010	6.79844	0.1611264	0.27714018	2.3298952	21	5 17.2	19.7
238082 2003 FS_{98}	16.3	X	311.41436	166.64122	19.22227	15.27653	0.0302860	0.26246111	2.4159767	21	—	—
238083 2003 FT_{98}	16.6	X	22.58691	193.44652	72.89934	5.63662	0.1433414	0.28172479	2.3045493	21	7 29.6	18.6
238084 2003 FE_{99}	17.1	X	357.62618	56.25329	145.68705	2.96711	0.1560114	0.27112127	2.3642514	21	2 17.9	19.2
238085 2003 FU_{111}	16.6	X	357.06100	96.96381	204.53785	6.43092	0.1684303	0.28337260	2.2956067	21	7 28.4	18.4
238086 2003 FE_{115}	16.5	X	126.08575	74.61306	34.93336	23.15276	0.1969864	0.27883524	2.3204432	21	5 17.6	20.0
238087 2003 FF_{123}	17.6	X	83.43706	67.35465	130.35658	1.88891	0.1128982	0.28457526	2.2891344	21	7 21.5	20.3
238088 2003 GY_{26}	16.7	X	69.01748	213.22757	24.85824	7.73992	0.1509987	0.28731921	2.2745367	21	9 8.1	19.5
238089 2003 GA_{35}	17.0	X	37.51394	129.94937	136.50962	6.04940	0.1510321	0.28345316	2.2951717	21	8 29.1	19.1
238090 2003 GX_{44}	16.7	X	16.46627	273.83146	351.92574	7.06421	0.0995243	0.28140880	2.3062742	21	7 11.6	19.0
238091 2003 GP_{49}	17.2	X	107.04395	11.91768	149.63137	5.78449	0.0709421	0.28080707	2.3095677	21	6 25.1	20.1
238092 2003 GT_{49}	17.6	X	63.35864	112.90715	88.87243	3.46314	0.1541356	0.27956074	2.3164269	21	7 3.9	20.1
238093 2003 HK_{14}	16.5	X	356.38486	41.23517	174.95457	13.11421	0.1528126	0.27030594	2.3690032	21	3 8.9	18.6
238094 2003 HH_{17}	17.0	X	91.36113	91.24996	93.32390	6.06909	0.1036546	0.28180288	2.3041235	21	7 12.2	19.8
238095 2003 HH_{21}	17.0	X	56.78227	136.21339	70.73192	3.09438	0.1410449	0.27849215	2.3223486	21	6 28.2	19.2
238096 2003 HJ_{25}	18.0	X	96.09373	103.57059	56.42177	3.38785	0.1356254	0.27958736	2.3162798	21	6 17.8	20.7
238097 2003 HZ_{26}	17.6	X	58.59048	7.86045	158.22942	3.52849	0.1717646	0.27414075	2.3468590	21	5 4.8	19.8
238098 2003 HN_{29}	16.8	X	51.01284	175.84339	26.79457	2.70875	0.1325824	0.27654469	2.3332387	21	6 8.9	19.0
238099 2003 HZ_{29}	17.0	X	88.01246	297.13032	237.72382	4.26667	0.2181075	0.27938759	2.3173839	21	7 10.5	20.0
238100 2003 HU_{35}	16.5	X	3.03960	168.84827	136.32318	5.87671	0.1357728	0.28324217	2.2963114	21	8 19.6	18.3
238101 2003 HD_{36}	17.3	X	104.83932	66.04132	90.35864	3.72387	0.1540414	0.28023095	2.3127321	21	6 27.0	20.2
238102 2003 HL_{37}	16.4	X	79.05544	1.15368	220.66681	7.16391	0.0711852	0.28208541	2.3025848	21	8 9.5	19.3
238103 2003 HH_{40}	16.0	X	302.11171	247.30788	51.80974	23.13000	0.2841820	0.26873761	2.3782112	21	4 3.9	19.7
238104 2003 HT_{50}	16.7	X	7.39252	128.85216	151.48202	7.70327	0.2671182	0.27635722	2.3342938	21	7 26.3	17.7
238105 2003 HX_{50}	16.5	X	21.40143	66.33059	134.73713	6.37986	0.1984958	0.27089842	2.3655479	21	4 10.5	18.2
238106 2003 HZ_{57}	17.2	X	33.25215	150.66327	61.91875	4.19327	0.0847979	0.27582624	2.3372885	21	5 17.1	19.3
238107 2003 JU_{3}	16.5	X	269.27157	104.07631	161.97770	8.45060	0.2106389	0.26059337	2.4275069	21	1 16.2	20.4
238108 2003 JN_{7}	17.0	X	65.10235	69.63393	140.15812	4.59066	0.1879354	0.28007697	2.3135796	21	7 24.6	19.6
238109 2003 JZ_{13}	15.7	X	225.24026	345.99102	213.11904	14.86764	0.0528533	0.24521679	2.5279544	21	—	—
238110 2003 KA_{18}	17.3	X	24.06548	73.61468	189.58920	5.42330	0.1934521	0.27741436	2.3283598	21	7 30.9	19.2
238111 2003 KJ_{28}	16.7	X	22.64758	54.87934	168.68052	8.25032	0.0782707	0.27421779	2.3464193	21	5 16.9	19.2
238112 2003 KL_{36}	16.7	X	334.13684	186.30711	90.99899	6.46409	0.1861261	0.27195100	2.3594400	21	4 27.6	18.9
238113 2003 KE_{37}	17.2	X	41.33531	86.53116	147.03575	5.64946	0.1305061	0.27746094	2.3280992	21	7 9.6	19.5
238114 2003 MX	14.5	X	126.59176	99.42262	140.59386	11.89462	0.1640844	0.12602345	3.9400506	21	10 28.4	20.8
238115 2003 MM_{1}	15.9	X	107.34312	176.91283	165.21611	20.28279	0.1681414	0.24355014	2.5394742	21	—	—
238116 2003 OE	16.7	X	17.15538	356.36153	57.94301	3.45805	0.1396119	0.23747350	2.5826127	21	—	—
238117 2003 OR_{4}	16.5	X	105.22709	154.14168	199.58335	3.85170	0.2599027	0.24040694	2.5615611	21	—	—
238118 2003 OF_{18}	17.2	X	289.65909	132.21033	198.04190	4.54396	0.2377759	0.26587686	2.3952399	21	4 25.4	20.6
238119 2003 OK_{19}	15.3	X	315.54333	205.10451	153.84226	26.12370	0.1484263	0.21846293	2.7303451	21	7 30.3	18.7
238120 2003 OV_{20}	16.3	X	234.36857	271.64566	79.59915	7.39821	0.1369775	0.26098382	2.4250851	21	4 8.5	20.0
238121 2003 OO_{23}	15.9	X	319.71875	73.54718	270.16772	3.75281	0.0876388	0.21686193	2.7437667	21	7 23.4	19.3
238122 2003 OO_{27}	17.0	X	256.13083	68.25448	252.74781	1.16402	0.2145684	0.25949835	2.4343311	21	3 12.8	20.9
238123 2003 OU_{28}	16.1	X	173.92634	339.51728	342.85998	5.53683	0.0592474	0.24618592	2.5213158	21	—	—
238124 2003 OY_{32}	15.8	X	315.65911	256.36492	160.43121	22.17983	0.0470396	0.22623061	2.6674839	21	11 5.5	19.6
238125 2003 PQ_{2}	16.1	X	146.32235	210.15443	128.06281	6.10964	0.2120576	0.24516514	2.5283095	21	1 1.9	19.8
238126 2003 QW	16.2	X	127.69557	331.10765	289.10872	4.22453	0.1228968	0.23176425	2.6248536	21	11 27.4	20.3
238127 2003 QB_{5}	17.3	X	240.45186	66.22920	235.62413	1.65881	0.1787984	0.25420707	2.4679951	21	2 6.3	21.2
238128 2003 QH_{13}	15.9	X	286.97933	15.66015	0.77302	9.25993	0.3054269	0.21232594	2.7827062	21	6 14.8	20.1
238129 Bernardwolfe	16.6	X	220.84349	107.13395	217.61463	5.27977	0.1252940	0.25386729	2.4701968	21	2 16.2	20.4
238130 2003 QQ_{33}	16.5	X	238.86259	174.37080	154.32146	8.31690	0.1325668	0.25789069	2.4444375	21	3 13.2	20.2
238131 2003 QE_{55}	16.7	X	308.83328	173.50733	110.89080	3.48382	0.2170734	0.26256125	2.4153623	21	3 23.1	19.8
238132 2003 QW_{58}	17.2	X	263.63369	254.96852	47.05830	3.91719	0.1996714	0.25738079	2.4476649	21	2 28.0	21.0
238133 2003 QA_{60}	16.1	X	148.07182	152.73456	152.06070	13.81068	0.1808421	0.23863868	2.5741992	21	—	—
238134 2003 QG_{66}	15.8	X	73.55115	291.63373	336.13806	10.81258	0.1652100	0.22454388	2.6808256	21	10 11.2	19.8
238135 2003 QL_{71}	17.5	X	282.70138	203.17725	201.20368	19.93636	0.0880142	0.38335489	1.8767311	21	8 29.3	19.4
238136 2003 QQ_{72}	15.7	X	337.85352	272.39437	175.37186	21.84504	0.0882958	0.23260622	2.6185156	21	—	—
238137 2003 QO_{103}	17.0	X	235.05572	195.96839	129.53906	7.01728	0.2016278	0.25469954	2.4648128	21	3 3.7	21.1
238138 2003 QP_{111}	15.4	X	103.31000	342.10328	36.79390	13.42144	0.3170214	0.18407931	3.0605494	21	2 4.0	20.0
238139 2003 RX	17.1	X	326.49349	127.55013	152.83201	22.85784	0.0921284	0.37183754	1.9152872	21	4 26.8	19.4
238140 2003 RT_{7}	16.3	X	277.49094	253.93206	59.26879	10.38007	0.2553453	0.26113631	2.4241410	21	3 24.8	20.2
238141 2003 RN_{13}	16.3	X	349.90335	179.61751	204.21369	5.17209	0.0472466	0.22462368	2.6801907	21	11 6.4	19.6
238142 2003 RB_{24}	15.6	X	359.38196	20.84346	286.31811	6.62799	0.0714716	0.21516006	2.7582160	21	8 5.8	18.9
238143 2003 SP_{18}	16.6	X	166.12342	292.75091	191.66146	3.62161	0.0143783	0.21185159	2.7868584	21	7 14.9	20.6
238144 2003 SB_{20}	15.5	X	218.90138	74.21744	348.37460	7.42124	0.0351696	0.21025425	2.8009554	21	6 30.7	19.6
238145 2003 SB_{31}	16.3	X	288.61826	183.43640	207.02335	3.48407	0.0819920	0.21194806	2.7860127	21	8 9.5	20.0
238146 2003 SQ_{36}	16.1	X	6.54928	209.74669	195.79224	6.66679	0.2365659	0.22626756	2.6671935	21	—	—
238147 2003 SS_{38}	15.9	X	225.80162	321.40360	275.82412	5.15149	0.0525837	0.23686149	2.5870594	21	—	—
238148 2003 SQ_{39}	16.7	X	292.36408	94.86232	220.62053	6.39155	0.2476407	0.26197419	2.4189694	21	4 6.1	20.0
238149 2003 SC_{41}	15.8	X	62.44984	229.08704	189.67508	21.37620	0.0678705	0.23759989	2.5816967	21	—	—
238150 2003 SD_{41}	16.2	X	277.12110	219.74428	191.11583	8.49532	0.2859306	0.21226116	2.7832723	21	7 19.9	20.3
238151 2003 SJ_{41}	16.3	X	164.62785	307.21580	8.07750	14.18640	0.1962185	0.24083848	2.5585002	21	—	—
238152 2003 SG_{42}	16.8	X	139.95477	146.59087	284.76203	17.28016	0.0940982	0.36228948	1.9487924	21	3 13.0	19.4
238153 2003 SY_{46}	15.7	X	16.12813	352.49464	354.74938	12.54714	0.2557547	0.22304104	2.6928543	21	11 19.5	18.9
238154 2003 ST_{50}	14.0	X	66.81451	180.50833	208.54034	8.54254	0.1871642	0.12527742	3.9556773	21	—	—
238155 2003 SW_{54}	15.4	X	125.68865	198.70749	218.97384	8.92557	0.1320309	0.19317903	2.9636670	21	3 13.9	19.9
238156 2003 SA_{56}	16.9	X	241.40125	96.23618	217.70217	4.31067	0.2004839	0.25429261	2.4674416	21	2 19.8	21.0
238157 2003 SC_{60}	17.0	X	169.18977	191.79849	129.36154	6.11820	0.2210858	0.24467228	2.5317037	21	1 3.8	21.1
238158 2003 SV_{72}	17.1	X	138.77223	264.66849	352.81110	6.05539	0.1515574	0.22906976	2.6453971	21	12 4.1	21.4
238159 2003 SN_{73}	15.8	X	316.78211	257.23863	178.60693	12.73999	0.0923413	0.22526403	2.6751090	21	11 27.1	19.1
238160 2003 SQ_{73}	16.0	X	0.97050	245.23117	189.98746	11.54394	0.0940499	0.23135755	2.6279288	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
238161 2003 SD_{81}	16.8	X	145.70086	124.42708	170.12272	4.18098	0.0483953	0.23219644	2.6215955	21	—	—
238162 2003 SB_{86}	16.3	X	48.31203	338.20294	5.33349	13.85463	0.1689570	0.22568837	2.6717547	21	12 20.8	20.3
238163 2003 SG_{91}	16.1	X	302.49313	268.53763	127.36384	6.02646	0.1708602	0.21571147	2.7535136	21	8 28.1	19.2
238164 2003 SX_{121}	16.5	X	42.23125	166.51008	212.68243	3.49622	0.0944013	0.23219045	2.6216406	21	—	—
238165 2003 SY_{130}	17.2	X	221.04483	228.05192	211.52224	20.85313	0.0699043	0.37745683	1.8962308	21	7 18.9	19.9
238166 2003 SC_{134}	15.7	X	291.25307	192.89922	124.51394	6.73079	0.0692961	0.20532568	2.8456001	21	5 12.4	19.6
238167 2003 SX_{136}	17.7	X	268.03404	90.62737	188.71393	10.92117	0.1635548	0.25452617	2.4659320	21	2 3.0	21.7
238168 2003 SJ_{141}	15.5	X	326.65084	217.54386	232.97209	21.24165	0.0376070	0.22721331	2.6597871	21	12 26.7	19.2
238169 2003 SN_{148}	16.2	X	72.69416	340.23732	47.08875	14.44736	0.1791989	0.23591063	2.5940064	21	—	—
238170 2003 SK_{149}	15.6	X	125.71755	8.06593	23.98737	7.45854	0.1776416	0.18797164	3.0181524	21	2 23.1	20.2
238171 2003 SD_{150}	16.0	X	186.09625	146.40014	144.29645	15.36329	0.2056505	0.24295948	2.5435883	21	—	—
238172 2003 SH_{168}	17.0	X	278.69545	65.81617	228.29498	1.74560	0.2426923	0.25896574	2.4376677	21	2 25.4	20.7
238173 2003 SD_{175}	17.3	X	241.25290	99.99414	167.25751	2.35865	0.1447189	0.24717649	2.5145751	21	—	—
238174 2003 SF_{176}	16.6	X	154.74213	300.22108	8.88491	2.21168	0.0590797	0.23889273	2.5723739	21	—	—
238175 2003 SG_{203}	16.6	X	39.26157	55.62876	319.42731	1.33010	0.1482463	0.22998528	2.6383720	21	—	—
238176 2003 SS_{211}	16.5	X	229.72253	198.53661	117.69269	7.09355	0.1982185	0.25335949	2.4734963	21	2 15.9	20.5
238177 2003 SR_{215}	15.0	X	304.69864	124.12353	318.86079	24.49658	0.1070591	0.22336283	2.6902674	21	11 1.2	18.9
238178 2003 SP_{217}	16.7	X	272.53397	339.17218	122.19980	1.02479	0.1184201	0.21854087	2.7296959	21	10 17.7	20.1
238179 2003 SR_{219}	16.3	X	96.34982	142.13568	199.79546	11.28031	0.2086263	0.23214541	2.6219796	21	—	—
238180 2003 SW_{221}	16.2	X	357.93718	232.65986	160.78804	9.07710	0.1500335	0.22486906	2.6782406	21	12 11.4	19.3
238181 2003 SO_{237}	16.1	X	22.49477	214.63154	180.22291	4.36910	0.1230033	0.22742357	2.6581474	21	—	—
238182 2003 SW_{249}	15.7	X	359.09854	183.07962	208.19753	14.03517	0.0634378	0.22270017	2.6956015	21	11 30.5	19.2
238183 2003 SW_{253}	17.2	X	202.21701	284.81360	205.45188	20.59003	0.0660817	0.38049784	1.8861139	21	9 14.1	19.4
238184 2003 ST_{257}	16.0	X	64.55607	160.69644	172.24588	5.95086	0.1565408	0.22766483	2.6562692	21	12 25.1	19.9
238185 2003 SJ_{258}	16.2	X	325.13911	195.75679	200.35699	4.39195	0.1227612	0.21864001	2.7288707	21	10 12.7	19.3
238186 2003 SW_{267}	16.9	X	98.09587	141.06660	191.44627	3.51017	0.0627720	0.23240920	2.6199953	21	—	—
238187 2003 SC_{270}	15.7	X	14.96772	322.04829	54.00327	15.40008	0.1112023	0.22432969	2.6825318	21	12 7.3	19.0
238188 2003 SU_{279}	16.1	X	8.31112	79.35252	213.22555	3.79789	0.1033549	0.21325035	2.7746585	21	8 1.3	19.4
238189 2003 SH_{287}	16.8	X	203.48231	52.52146	189.82837	12.01456	0.0865961	0.23551318	2.5969240	21	—	—
238190 2003 SU_{293}	15.6	X	64.41280	330.42053	30.15633	18.15789	0.2013544	0.22815534	2.6524607	21	—	—
238191 2003 SM_{294}	16.0	X	11.63982	348.17286	54.55461	12.82300	0.2463341	0.22428106	2.6829196	21	—	—
238192 2003 SO_{319}	16.5	X	239.21513	219.36485	356.21626	11.87268	0.1224283	0.23776443	2.5805055	21	—	—
238193 2003 SB_{321}	16.5	X	160.08660	257.63787	72.94992	6.46192	0.1052993	0.24075227	2.5591110	21	—	—
238194 2003 SZ_{321}	16.7	X	192.95804	201.46086	46.65370	14.71294	0.1154598	0.23311797	2.6146820	21	—	—
238195 2003 SG_{327}	16.7	X	11.74805	354.89392	9.56307	6.30488	0.0305453	0.22404271	2.6848221	21	11 7.9	20.2
238196 2003 SD_{328}	17.5	X	245.11670	223.21298	194.50689	22.44941	0.0437743	0.37988679	1.8881359	21	7 25.4	20.0
238197 2003 ST_{361}	17.3	X	190.25268	266.03885	8.65040	1.52535	0.1312236	0.23754166	2.5821186	21	—	—
238198 2003 SZ_{396}	16.1	X	211.46853	53.48454	70.34281	12.00739	0.0971201	0.21279090	2.7786511	21	9 10.3	20.5
238199 2003 SH_{423}	16.9	X	135.53100	202.15653	112.02848	1.94448	0.1558599	0.23535803	2.5980652	21	—	—
238200 2003 TD_{8}	15.4	X	76.57151	235.77197	244.12638	12.67369	0.0839414	0.19219832	2.9737400	21	3 21.1	19.6
238201 2003 TE_{17}	15.8	X	252.12516	96.05799	17.58495	21.89460	0.0545726	0.21943261	2.7222955	21	10 14.2	19.3
238202 2003 TB_{56}	16.8	X	272.45134	279.40631	108.27620	5.42299	0.0839630	0.20992307	2.8039006	21	7 15.3	20.4
238203 2003 TY_{56}	16.3	X	9.94147	247.88506	121.96970	7.28134	0.0503032	0.22262593	2.6962007	21	11 18.3	19.8
238204 2003 TS_{58}	17.1	X	78.47725	309.24174	39.98609	5.12136	0.1048765	0.22905836	2.6454849	21	—	—
238205 2003 UJ_{13}	16.9	X	161.90218	22.88084	66.87184	23.10586	0.0868253	0.36770121	1.9296239	21	5 23.1	19.0
238206 2003 UK_{29}	16.3	X	288.17675	299.67894	85.87279	0.81319	0.1486263	0.20977221	2.8052447	21	7 24.1	20.0
238207 2003 UR_{31}	16.7	X	157.03345	120.28381	197.87940	9.89493	0.1389280	0.23906518	2.5711367	21	—	—
238208 2003 UB_{43}	16.1	X	160.92172	298.46039	280.70814	8.05507	0.0724021	0.22192894	2.7018428	21	11 7.6	20.2
238209 2003 UG_{48}	16.1	X	343.96047	213.19523	183.03657	7.51980	0.2070176	0.22006532	2.7170751	21	11 22.8	18.6
238210 2003 UO_{55}	15.7	X	155.67517	207.24448	260.86934	7.14560	0.1979167	0.19778067	2.9175176	21	6 20.8	20.6
238211 2003 UT_{67}	16.5	X	339.50862	13.04922	11.64172	3.08597	0.1018286	0.21944881	2.7221615	21	10 22.0	19.7
238212 2003 UC_{72}	15.8	X	236.33088	78.60965	48.78674	16.56961	0.0925283	0.21783110	2.7356223	21	10 13.8	19.8
238213 2003 UD_{76}	16.3	X	306.64630	18.21141	349.19382	3.98083	0.0853394	0.21223259	2.7835220	21	8 6.7	19.7
238214 2003 UZ_{81}	14.8	X	43.85020	245.27755	194.68719	26.57114	0.2322513	0.17878270	3.1207026	21	—	—
238215 2003 UP_{86}	16.2	X	105.41593	158.32064	194.93857	12.78855	0.1172996	0.23324964	2.6136979	21	—	—
238216 2003 UV_{86}	16.1	X	130.37057	172.82428	194.54879	11.76823	0.1237229	0.23863681	2.5742127	21	1 8.3	19.8
238217 2003 UW_{102}	16.4	X	244.04076	247.88881	188.69060	8.48037	0.2053091	0.20946716	2.8079675	21	7 27.1	20.9
238218 2003 UO_{103}	16.4	X	84.92212	159.74240	191.75822	13.19875	0.1678062	0.23103009	2.6304114	21	—	—
238219 2003 UQ_{110}	16.3	X	208.81927	89.33480	53.25336	8.16292	0.1727274	0.21200074	2.7855511	21	9 22.4	20.8
238220 2003 UE_{112}	16.1	X	103.19421	212.79480	157.62814	8.67747	0.2741262	0.18104127	3.0946936	21	1 13.7	20.5
238221 2003 UV_{118}	15.8	X	108.48713	257.26183	160.57686	17.59503	0.3064936	0.18574593	3.0422146	21	3 22.7	20.5
238222 2003 UJ_{137}	16.3	X	297.10355	17.72466	0.40593	3.78574	0.1138729	0.21214222	2.7843125	21	8 2.9	19.9
238223 2003 UX_{144}	16.3	X	143.17312	341.61882	343.76684	7.60074	0.2002007	0.23617880	2.5920424	21	—	—
238224 2003 UF_{148}	16.5	X	45.60755	290.82176	66.09257	4.29699	0.0930121	0.22537061	2.6742655	21	12 23.8	20.0
238225 2003 UA_{157}	15.8	X	314.49402	60.19263	51.52811	22.58000	0.0547272	0.22683207	2.6627664	21	—	—
238226 2003 UP_{161}	15.6	X	250.60786	45.19901	36.58892	9.52564	0.1296934	0.21078322	2.7962673	21	8 26.2	19.7
238227 2003 UB_{174}	16.7	X	93.14526	53.52812	288.94410	1.38819	0.2578614	0.23232720	2.6206117	21	—	—
238228 2003 UZ_{175}	16.2	X	97.13576	333.15741	68.99748	2.87859	0.2095156	0.18487309	3.0517825	21	2 5.3	20.2
238229 2003 UU_{178}	16.8	X	174.88021	84.78830	221.69508	3.93955	0.0834228	0.23880262	2.5730210	21	—	—
238230 2003 UL_{179}	15.9	X	76.17406	289.97374	124.70981	3.62335	0.1751466	0.18176718	3.0864487	21	1 16.9	19.5
238231 2003 UA_{188}	15.6	X	141.96293	264.30242	35.09340	27.09426	0.1464806	0.23166113	2.6256324	21	—	—
238232 2003 UC_{198}	15.8	X	61.96748	357.69550	81.31214	2.67370	0.1632557	0.18270716	3.0758537	21	1 23.8	19.4
238233 2003 UZ_{203}	15.9	X	98.54151	262.31289	36.09154	11.86899	0.0741705	0.22411113	2.6842755	21	12 8.6	19.9
238234 2003 UW_{204}	16.8	X	213.13411	279.16337	359.95375	3.37559	0.2093264	0.24209865	2.5496142	21	—	—
238235 2003 UT_{207}	16.3	X	133.04858	300.79341	71.67425	4.90519	0.1937294	0.23934170	2.5691559	21	1 30.4	19.9
238236 2003 US_{218}	15.9	X	358.97088	299.30826	76.75583	7.04740	0.0451910	0.21941777	2.7224183	21	11 9.2	19.4
238237 2003 UV_{220}	15.7	X	255.96733	128.04502	1.93625	13.15910	0.1123529	0.22219357	2.6996972	21	10 28.8	19.5
238238 2003 UA_{223}	17.1	X	304.57984	293.74176	43.19458	21.69446	0.1145968	0.37196613	1.9148457	21	6 5.1	19.0
238239 2003 UQ_{226}	16.3	X	313.98553	39.44127	30.00813	14.41805	0.1239881	0.21919235	2.7242845	21	11 6.2	19.3
238240 2003 UN_{229}	16.3	X	167.78394	301.77669	27.72785	14.60993	0.2074232	0.24104718	2.5570232	21	1 15.2	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
238241 2003 UN_{246}	16.3	X	123.02370	135.09210	193.38465	3.85502	0.3168079	0.23448771	2.6044898	21	—	—
238242 2003 UD_{251}	15.6	X	88.15840	19.10292	35.94366	16.18460	0.0906753	0.18195051	3.0843751	21	1 28.4	20.1
238243 2003 UW_{254}	15.7	X	0.60514	169.60279	181.33576	9.37492	0.1453422	0.21876452	2.7278352	21	10 16.6	18.5
238244 2003 UE_{255}	17.0	X	195.92664	106.52017	190.39129	2.00556	0.1169740	0.24069651	2.5595062	21	—	—
238245 2003 UA_{261}	16.6	X	30.67458	154.30525	212.69902	3.54032	0.1127067	0.22508356	2.6765388	21	12 20.1	20.1
238246 2003 UE_{264}	16.7	X	141.20939	272.18755	75.34169	7.00608	0.2792176	0.23973231	2.5663645	21	1 17.6	20.6
238247 2003 UQ_{275}	16.3	X	14.86089	333.05925	17.79238	4.86634	0.1240940	0.21948301	2.7218787	21	11 5.2	19.4
238248 2003 UY_{276}	15.7	X	268.90848	220.78554	256.14569	6.37142	0.0273849	0.22031314	2.7150372	21	11 14.0	19.2
238249 2003 UD_{279}	16.3	X	350.00944	320.43898	74.59512	6.01855	0.1791308	0.21980556	2.7192153	21	11 29.9	19.0
238250 2003 UH_{294}	16.7	X	217.25798	286.49720	347.91290	6.86073	0.1507642	0.24318206	2.5420360	21	—	—
238251 2003 UN_{294}	16.3	X	264.17373	64.09570	6.44493	8.47717	0.0910820	0.21345721	2.7728656	21	9 1.2	20.1
238252 2003 UH_{309}	16.0	X	287.99282	243.56083	201.19645	8.99922	0.0871007	0.21729891	2.7400870	21	10 22.3	19.5
238253 2003 UU_{354}	16.9	X	216.11032	99.39845	155.93319	3.30499	0.1477623	0.23975037	2.5662356	21	—	—
238254 2003 UF_{362}	16.3	X	164.56809	101.84271	131.77349	7.36310	0.0923568	0.22573096	2.6714187	21	12 2.6	20.4
238255 2003 VU_{3}	16.1	X	141.17956	279.10140	69.09619	3.91357	0.2266725	0.23727983	2.5840178	21	1 12.6	19.9
238256 2003 VK_{5}	15.3	X	22.95152	257.43106	243.47697	11.92549	0.0937963	0.18304543	3.0720631	21	1 30.6	19.4
238257 2003 WO	16.3	X	0.28708	54.84383	69.32579	12.39919	0.1359041	0.23207595	2.6225028	21	—	—
238258 2003 WG_{2}	16.2	X	209.31460	220.89513	35.92261	5.33486	0.1588370	0.23336675	2.6128234	21	—	—
238259 2003 WG_{3}	15.7	X	167.91875	216.46913	57.10980	9.82382	0.1952472	0.23179743	2.6246031	21	—	—
238260 2003 WR_{4}	15.4	X	93.84958	6.26958	25.00800	14.19966	0.1311555	0.18000068	3.1066091	21	1 9.8	19.8
238261 2003 WP_{9}	16.0	X	116.36095	109.91370	322.83771	7.96712	0.0749298	0.18830973	3.0145388	21	3 14.9	20.4
238262 2003 WC_{22}	15.2	X	89.40484	180.00971	267.58734	16.11407	0.0747122	0.18513081	3.0489496	21	2 22.4	19.7
238263 2003 WA_{23}	16.1	X	128.15209	252.26172	64.67403	10.80134	0.0827333	0.22956214	2.6416131	21	—	—
238264 2003 WF_{32}	16.2	X	163.33804	274.02875	45.93750	11.17956	0.1404383	0.23644155	2.5901218	21	—	—
238265 2003 WK_{45}	16.0	X	56.81374	318.04573	51.69625	10.54703	0.2522837	0.22743448	2.6580625	21	—	—
238266 2003 WV_{46}	16.3	X	29.32189	314.49937	62.84127	7.25662	0.0428831	0.22432367	2.6825798	21	12 20.9	19.9
238267 2003 WW_{48}	16.7	X	192.87745	34.78046	219.67587	6.19248	0.2096991	0.23267960	2.6179650	21	—	—
238268 2003 WY_{58}	16.4	X	17.86199	125.60881	231.94377	5.59424	0.0628663	0.21819321	2.7325947	21	11 11.6	20.0
238269 2003 WO_{61}	16.2	X	77.82015	60.08286	64.44665	8.16077	0.1510716	0.18760534	3.0220797	21	4 16.5	20.2
238270 2003 WP_{63}	15.9	X	114.65457	292.66502	60.70365	5.46199	0.1606669	0.23329960	2.6133248	21	—	—
238271 2003 WY_{67}	16.2	X	37.50388	313.88335	62.32231	9.62532	0.0787647	0.22312122	2.6922092	21	—	—
238272 2003 WJ_{68}	15.3	X	145.53310	243.50992	65.44288	17.99118	0.2256034	0.23208734	2.6224170	21	—	—
238273 2003 WY_{71}	15.8	X	335.08815	359.18886	6.50585	13.96023	0.2036027	0.21434065	2.7652412	21	9 16.5	18.3
238274 2003 WU_{79}	15.6	X	139.49821	281.23456	42.66073	12.54048	0.1947121	0.23371368	2.6102371	21	—	—
238275 2003 WG_{82}	15.5	X	252.07196	216.41893	115.28233	10.97738	0.0977354	0.19667973	2.9283949	21	4 13.1	20.0
238276 2003 WF_{89}	16.2	X	8.07143	84.19429	242.70670	2.85357	0.1012537	0.21305734	2.7763340	21	9 18.2	19.5
238277 2003 WP_{94}	16.2	X	261.73959	52.87877	20.74344	4.26215	0.0261095	0.21154418	2.7895576	21	9 10.5	20.0
238278 2003 WH_{96}	16.1	X	340.22836	9.58268	46.69323	6.44193	0.0303686	0.22153552	2.7050407	21	12 2.4	19.5
238279 2003 WS_{99}	15.5	X	60.46827	86.30591	332.83125	11.36600	0.2242027	0.17832941	3.1259887	21	1 5.2	19.0
238280 2003 WO_{106}	14.8	X	45.19596	77.39812	56.96299	26.07574	0.2457206	0.17833238	3.1259540	21	4 3.3	18.6
238281 2003 WX_{113}	16.1	X	340.92918	355.89031	349.46633	3.53437	0.1102442	0.21113934	2.7931223	21	8 30.1	19.2
238282 2003 WP_{116}	16.0	X	50.97760	29.95538	28.97440	2.96552	0.1377837	0.17540093	3.1606867	21	—	—
238283 2003 WF_{127}	15.0	X	122.53684	88.91123	280.08412	24.41262	0.2480142	0.17890486	3.1192819	21	1 24.4	20.0
238284 2003 WK_{127}	16.5	X	106.92681	73.16681	74.31681	22.49798	0.0513445	0.36122774	1.9526092	21	5 29.5	18.2
238285 2003 WF_{129}	16.4	X	338.63592	331.60876	32.58806	3.25231	0.1051360	0.21441999	2.7645590	21	9 22.9	19.6
238286 2003 WE_{140}	15.8	X	346.23996	339.65269	70.83951	10.40709	0.1053328	0.21987640	2.7186313	21	12 7.8	18.9
238287 2003 WF_{144}	16.1	X	30.44983	318.21042	50.36814	11.89453	0.0990860	0.22270302	2.6955784	21	12 18.2	19.7
238288 2003 WS_{145}	15.8	X	157.58756	137.73986	59.89489	6.31761	0.2016996	0.21154827	2.7895217	21	10 12.0	20.6
238289 2003 WB_{148}	16.1	X	235.93408	291.77185	187.98897	8.10017	0.1054521	0.21130576	2.7916555	21	9 24.7	20.0
238290 2003 WC_{150}	16.0	X	10.32721	259.69143	112.47339	5.80287	0.0678512	0.21856416	2.7295020	21	11 22.1	19.4
238291 2003 WO_{150}	16.2	X	290.96810	252.00336	162.41994	5.03701	0.0696939	0.21188982	2.7865231	21	9 17.9	19.7
238292 2003 WK_{154}	15.7	X	289.75174	31.88911	86.36404	13.44358	0.0478372	0.22170247	2.7036826	21	12 12.8	19.0
238293 2003 WO_{155}	15.6	X	151.03604	233.63585	111.86389	10.67704	0.1333271	0.18187127	3.0852710	21	1 18.4	20.2
238294 2003 WG_{158}	16.3	X	186.90388	165.41195	21.79143	5.29534	0.0479758	0.21974116	2.7197466	21	10 29.9	20.2
238295 2003 WA_{160}	16.4	X	232.79514	334.50335	73.33065	2.91026	0.0528629	0.20188371	2.8778525	21	6 25.9	20.4
238296 2003 WM_{161}	16.2	X	170.18393	116.56481	79.02076	4.49300	0.1437877	0.21240165	2.7820448	21	10 20.4	20.7
238297 2003 WY_{165}	15.8	X	24.77128	156.66312	354.67704	8.53896	0.2049976	0.17424567	3.1746417	21	2 24.6	19.1
238298 2003 WZ_{175}	16.9	X	67.18084	242.59840	106.80587	2.94021	0.1031287	0.22514930	2.6760177	21	—	—
238299 2003 XE_{8}	15.1	X	88.24484	325.24961	80.67498	12.04682	0.1844634	0.17922489	3.1155675	21	1 27.7	19.3
238300 2003 XT_{14}	15.5	X	67.36428	303.21839	165.93428	20.31279	0.3313846	0.18008641	3.1056232	21	4 11.1	19.4
238301 2003 XQ_{15}	15.5	X	90.93144	128.87439	316.70527	16.59198	0.2706114	0.18197482	3.0841004	21	3 22.5	20.1
238302 2003 XD_{20}	15.6	X	99.86723	150.46355	313.02370	8.56434	0.1333120	0.18477629	3.0528483	21	4 8.9	20.0
238303 2003 XY_{22}	15.9	X	162.94371	2.59663	14.40687	7.40550	0.0680586	0.18796061	3.0182704	21	3 4.1	20.4
238304 2003 XZ_{24}	16.1	X	91.75682	269.32052	149.50791	3.41545	0.2248386	0.18253636	3.0777721	21	2 20.5	20.2
238305 2003 XW_{27}	16.4	X	152.67093	34.71996	313.77086	1.88601	0.1210299	0.18186702	3.0853191	21	1 22.3	21.1
238306 2003 XH_{30}	16.7	X	114.54515	6.84146	243.43239	2.84241	0.0528793	0.21475848	2.7616533	21	10 25.9	20.6
238307 2003 YQ_{3}	16.9	X	355.23549	109.99816	89.86652	24.46449	0.0793054	0.35156543	1.9882238	21	2 6.8	19.2
238308 2003 YQ_{14}	15.8	X	45.31262	116.91532	49.76127	10.89686	0.2263064	0.18309567	3.0715011	21	4 29.3	19.0
238309 2003 YJ_{21}	15.0	X	111.37255	62.40529	293.58478	25.57886	0.2279105	0.17169082	3.2060577	21	1 4.3	19.7
238310 2003 YH_{23}	16.1	X	49.53966	281.68297	91.90629	11.81971	0.1732293	0.22517361	2.6758251	21	—	—
238311 2003 YV_{38}	15.8	X	125.30989	215.69745	139.21459	3.23888	0.2002731	0.18002210	3.1063628	21	1 10.8	20.4
238312 2003 YB_{40}	16.3	X	105.70987	65.44926	79.41661	2.95535	0.0790382	0.18979004	2.9988433	21	6 4.2	20.6
238313 2003 YG_{53}	17.1	X	357.44162	175.74490	274.39307	2.58027	0.1786922	0.22617732	2.6679029	21	—	—
238314 2003 YO_{59}	15.7	X	138.67116	73.89231	82.45777	9.95005	0.0805283	0.20058738	2.8902382	21	7 29.5	20.1
238315 2003 YZ_{69}	15.2	X	132.96774	309.86112	78.53264	12.25148	0.0665022	0.18358100	3.0660853	21	2 15.0	19.8
238316 2003 YB_{82}	15.7	X	85.92012	91.80874	77.20545	5.88678	0.1802898	0.18904434	3.0067242	21	6 25.3	19.8
238317 2003 YT_{99}	15.5	X	149.77851	193.90374	255.00233	6.21647	0.1433176	0.19117684	2.9843232	21	5 19.6	20.2
238318 2003 YW_{126}	14.8	X	344.98966	198.66804	305.42500	17.40469	0.1017890	0.17221484	3.1995508	21	—	—
238319 2003 YH_{131}	16.1	X	130.49853	286.09444	81.70734	14.12788	0.2937816	0.23555138	2.5966432	21	2 5.6	20.3
238320 2003 YX_{131}	15.7	X	113.90283	71.91009	346.68033	10.30207	0.0838122	0.18086002	3.0967608	21	2 28.5	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
238321 2003 YP_{140}	15.3	X	149.10274	285.88470	43.49397	13.65208	0.2104690	0.23286219	2.6165964	21	—	—
238322 2003 YU_{151}	15.4	X	93.87334	176.98510	359.88608	11.97125	0.0598152	0.19284716	2.9670661	21	6 28.9	19.8
238323 2003 YU_{153}	15.5	X	117.08104	93.69983	15.75970	11.27383	0.1166206	0.18655536	3.0334084	21	5 5.9	20.1
238324 2003 YH_{164}	16.2	X	273.22453	348.44734	58.83886	3.07544	0.0728323	0.20658792	2.8339973	21	8 14.5	19.9
238325 2003 YN_{173}	16.8	X	84.95488	143.33804	353.61929	1.27768	0.1627991	0.18897533	3.0074562	21	5 10.5	20.8
238326 2004 AG_{5}	15.3	X	70.86326	58.17883	108.85127	8.18099	0.2119448	0.18460250	3.0547640	21	6 8.7	19.3
238327 2004 AV_{16}	16.6	X	80.47718	345.82354	108.88413	3.79941	0.1517624	0.17939947	3.1135460	21	3 13.2	20.6
238328 2004 AB_{17}	16.2	X	41.46802	324.69818	204.99704	1.68829	0.0492435	0.18350682	3.0669115	21	4 7.2	20.1
238329 2004 BS_{4}	15.6	X	40.86024	46.52523	106.90924	4.51614	0.1908722	0.17820604	3.1274312	21	3 31.0	19.0
238330 2004 BA_{5}	15.5	X	56.80432	147.72470	11.02745	2.81126	0.0987381	0.18229705	3.0804650	21	4 19.9	19.4
238331 2004 BW_{16}	15.9	X	46.75427	42.74142	81.31848	11.26690	0.1855742	0.17705803	3.1409351	21	3 5.9	19.6
238332 2004 BO_{17}	15.8	X	249.04977	23.98250	62.70660	13.20888	0.0273616	0.20286693	2.8685464	21	9 16.5	20.0
238333 2004 BB_{21}	16.4	X	109.94030	305.18281	160.14580	1.93305	0.1569294	0.18477902	3.0528182	21	5 1.4	20.8
238334 2004 BE_{37}	16.6	X	103.57525	354.29736	102.63799	2.52521	0.1455420	0.18214641	3.0821632	21	4 12.9	21.0
238335 2004 BF_{46}	15.5	X	113.19937	2.71084	139.34259	11.52460	0.0821738	0.18964903	3.0003296	21	6 11.7	20.0
238336 2004 BA_{57}	15.3	X	5.09260	81.19025	138.54036	9.98980	0.1414447	0.18078840	3.0975786	21	4 22.0	19.0
238337 2004 BG_{58}	14.9	X	89.00307	305.06888	140.48194	25.11081	0.1646630	0.17880873	3.1203998	21	3 17.8	19.4
238338 2004 BP_{59}	15.3	X	102.32857	347.56686	139.30528	10.04815	0.0920981	0.18534518	3.0465982	21	5 13.4	19.8
238339 2004 BK_{70}	15.5	X	73.44538	86.03383	121.31110	10.91309	0.0207991	0.19291050	2.9664166	21	7 5.2	19.5
238340 2004 BC_{79}	16.3	X	100.79477	26.51906	100.68230	2.30368	0.1316580	0.18499355	3.0504576	21	5 14.7	20.7
238341 2004 BA_{81}	15.6	X	73.87375	217.22535	281.17843	6.06249	0.0389223	0.18285756	3.0741669	21	4 7.4	19.9
238342 2004 BZ_{86}	15.4	X	69.77915	12.09463	109.14681	2.32694	0.1381957	0.17755511	3.1350701	21	3 29.3	19.3
238343 2004 BJ_{87}	15.1	X	41.57483	232.13203	274.05100	14.96302	0.1788783	0.17777098	3.1325317	21	3 9.9	19.0
238344 2004 BL_{103}	15.5	X	47.19487	67.12207	68.11431	26.97794	0.2894547	0.17447308	3.1718826	21	4 15.6	19.3
238345 2004 BS_{106}	15.6	X	43.34661	23.60828	125.12180	11.42381	0.1664522	0.17774358	3.1328536	21	3 29.5	19.4
238346 2004 BW_{108}	15.3	X	334.03792	140.08485	91.22667	11.39458	0.1704255	0.17619666	3.1511635	21	3 14.7	19.4
238347 2004 BM_{109}	15.5	X	79.33936	81.03165	44.15072	8.53592	0.1987139	0.18023998	3.1038589	21	4 25.2	19.7
238348 2004 BP_{109}	15.4	X	47.75007	113.73135	32.95552	10.67185	0.1873855	0.17742478	3.1366052	21	4 3.6	19.0
238349 2004 BG_{111}	14.6	X	79.34581	316.27853	134.86413	29.51192	0.3589978	0.17784717	3.1316369	21	4 15.7	19.4
238350 2004 BQ_{113}	15.2	X	2.82934	186.79498	351.05931	15.09096	0.1287081	0.17409112	3.1765203	21	2 22.9	19.1
238351 2004 BP_{116}	14.9	X	88.35688	168.12945	328.18107	17.44020	0.1432643	0.18583682	3.0412225	21	5 4.1	19.5
238352 2004 BH_{118}	14.9	X	39.42141	6.06776	150.74090	28.53516	0.1144529	0.17789643	3.1310588	21	3 28.5	19.1
238353 2004 BF_{122}	15.4	X	86.11762	47.84567	71.68663	18.45945	0.1358378	0.18013185	3.1051009	21	4 24.6	19.9
238354 2004 BF_{132}	15.2	X	13.08054	10.18201	141.30492	19.26373	0.0899739	0.17449882	3.1715706	21	2 4.3	19.3
238355 2004 BF_{162}	14.9	X	0.66224	146.49041	83.15637	17.99106	0.1415157	0.18032828	3.1028455	21	5 1.2	18.8
238356 2004 CC_{4}	15.4	X	79.60336	190.99254	335.08381	9.12277	0.0399747	0.18685099	3.0302081	21	5 20.6	19.7
238357 2004 CK_{5}	15.4	X	79.15209	77.68354	115.04561	11.45690	0.0565537	0.18947676	3.0021479	21	6 29.1	19.5
238358 2004 CP_{7}	15.4	X	121.58617	19.87865	99.73486	2.53491	0.1956722	0.18655733	3.0333871	21	6 4.3	20.2
238359 2004 CJ_{9}	16.7	X	71.20350	113.04624	40.06247	2.57053	0.0959184	0.18377416	3.0639365	21	5 3.3	20.8
238360 2004 CO_{24}	15.9	X	32.13075	99.93394	151.00040	11.51561	0.0794960	0.19025688	2.9939357	21	7 11.7	19.9
238361 2004 CV_{39}	15.0	X	347.58790	313.78146	282.19235	13.31711	0.1934552	0.17837803	3.1254207	21	3 26.5	19.0
238362 2004 CF_{43}	16.0	X	109.36992	46.24051	77.41899	5.69065	0.1959289	0.18447168	3.0562080	21	5 28.1	20.5
238363 2004 CG_{43}	14.9	X	22.84108	116.57202	121.51536	15.09084	0.1264742	0.18502986	3.0500585	21	6 15.5	18.7
238364 2004 CP_{46}	16.1	X	186.33910	346.24656	89.41772	4.26847	0.0785496	0.18998646	2.9967760	21	6 7.6	20.5
238365 2004 CE_{52}	15.0	X	301.45724	165.66278	107.60165	30.27801	0.2284136	0.17216187	3.2002070	21	3 19.5	20.1
238366 2004 CT_{57}	15.1	X	33.82566	90.71959	67.05556	12.01086	0.1178517	0.17658037	3.1465969	21	3 23.6	19.1
238367 2004 CK_{58}	15.6	X	64.70259	57.35373	81.80988	5.65010	0.1161598	0.18077385	3.0977449	21	4 11.9	19.6
238368 2004 CP_{59}	15.0	X	357.38236	95.31280	126.71484	26.41485	0.2061577	0.17841743	3.1249605	21	4 13.7	19.0
238369 2004 CR_{59}	15.6	X	77.73024	103.47511	54.03258	6.52567	0.1350727	0.18422674	3.0589163	21	5 23.6	19.7
238370 2004 CO_{60}	15.8	X	52.55824	37.18458	93.25802	8.55580	0.2070095	0.17721084	3.1391293	21	3 26.5	19.5
238371 2004 CH_{63}	15.7	X	77.38517	94.99515	16.39615	9.68370	0.1964702	0.17860586	3.1227622	21	4 4.2	19.8
238372 2004 CP_{65}	15.6	X	68.75876	73.50974	55.59277	8.74716	0.2095798	0.17857516	3.1231201	21	4 18.6	19.5
238373 2004 CL_{67}	15.4	X	353.98900	82.92518	131.44881	6.09016	0.0634930	0.17932895	3.1143621	21	3 30.8	19.5
238374 2004 CR_{67}	15.6	X	21.39530	71.70877	126.56479	8.14489	0.0890971	0.18054166	3.1004003	21	4 20.7	19.6
238375 2004 CP_{70}	15.6	X	90.25043	15.47920	125.55457	5.90158	0.0884206	0.18430014	3.0581041	21	5 14.3	19.9
238376 2004 CN_{86}	15.6	X	16.69157	49.36197	140.89579	6.54897	0.0734317	0.17773487	3.1329559	21	4 1.9	19.6
238377 2004 CL_{93}	16.1	X	153.26843	278.60173	182.92722	8.65965	0.0928708	0.19023544	2.9941606	21	6 5.9	20.7
238378 2004 CN_{98}	15.8	X	53.08674	0.82546	173.13911	1.63436	0.1451102	0.18127366	3.0920482	21	5 11.2	19.5
238379 2004 CV_{100}	15.0	X	349.75065	236.44698	357.06243	16.16353	0.1797192	0.17675401	3.1445357	21	4 2.2	18.7
238380 2004 CA_{103}	15.4	X	15.83375	349.75165	221.44547	4.97888	0.1063140	0.18011235	3.1053250	21	4 25.1	19.2
238381 2004 CG_{106}	15.5	X	65.91702	325.06899	210.92361	9.91581	0.0860173	0.18314603	3.0709379	21	5 25.2	19.7
238382 2004 CZ_{108}	15.1	X	21.86588	50.95739	170.05779	27.00791	0.1931991	0.18086687	3.0966827	21	5 27.6	19.1
238383 2004 CO_{114}	15.0	X	41.98942	109.37595	20.63547	26.71350	0.2194664	0.17475871	3.1684254	21	3 15.6	18.7
238384 2004 CR_{125}	15.8	X	265.42353	192.38415	165.45345	9.30805	0.0955826	0.18922090	3.0048536	21	5 28.6	20.2
238385 2004 DK_{13}	15.2	X	91.49383	268.92907	183.50900	15.76714	0.2498793	0.17637705	3.1490146	21	4 8.1	19.6
238386 2004 DS_{35}	15.3	X	24.77987	330.60058	211.41420	6.15844	0.0922520	0.17749463	3.1357823	21	3 31.5	19.2
238387 2004 DF_{50}	15.5	X	151.28015	273.31768	159.01896	10.20156	0.1148545	0.18375583	3.0641402	21	5 2.6	20.3
238388 2004 DZ_{51}	15.6	X	339.12829	85.30722	164.73294	21.18739	0.3311599	0.17291152	3.1909508	21	3 19.2	19.0
238389 2004 DA_{55}	16.6	X	75.49373	155.84213	329.74457	0.30630	0.1307009	0.17905233	3.1175689	21	4 9.4	20.6
238390 2004 DW_{78}	15.6	X	104.35501	271.95637	213.87247	15.10015	0.2701138	0.18363288	3.0655078	21	6 3.3	20.5
238391 2004 DO_{79}	15.6	X	16.89772	92.75442	85.02555	14.15962	0.1271227	0.17717626	3.1395376	21	3 22.7	19.6
238392 2004 DU_{79}	15.5	X	5.07551	18.16527	163.33068	9.73022	0.0352889	0.17524518	3.1625592	21	3 4.6	19.8
238393 2004 ET_{2}	15.5	X	132.95037	108.59988	32.19172	9.14454	0.0424284	0.19093172	2.9868769	21	6 27.7	19.9
238394 2004 ET_{3}	15.4	X	52.45826	111.58768	42.03960	18.19705	0.1313624	0.17685629	3.1433233	21	4 15.9	19.4
238395 2004 EP_{5}	15.6	X	47.55218	17.59414	157.72608	10.35062	0.0421209	0.17838904	3.1252921	21	4 26.2	19.9
238396 2004 EG_{9}	15.0	X	41.94226	108.26329	38.32517	26.93248	0.1965404	0.17869977	3.1216681	21	4 3.4	18.8
238397 2004 EJ_{9}	15.5	X	25.34399	134.84404	45.31414	27.81111	0.1426580	0.17505218	3.1648833	21	4 13.3	19.5
238398 2004 EL_{9}	14.9	X	317.52241	136.78604	96.11893	20.63245	0.1274748	0.17007384	3.2263467	21	3 1.6	19.6
238399 2004 EJ_{12}	15.7	X	89.78581	37.49135	71.11940	2.32322	0.1608971	0.17805392	3.1292122	21	4 12.7	20.0
238400 2004 EJ_{15}	15.2	X	336.17796	219.94576	35.28698	15.76839	0.1426611	0.17686415	3.1432302	21	4 17.4	18.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
238401 2004 EG_{18}	15.4	X	29.50392	55.12749	137.67654	17.62006	0.1770420	0.17550786	3.1594028	21	5 5.7	19.3
238402 2004 EO_{26}	15.8	X	65.09285	317.00295	173.88277	9.51894	0.0497037	0.17533226	3.1615120	21	3 23.3	20.1
238403 2004 EW_{39}	15.5	X	60.22318	304.22407	184.09937	16.94333	0.2065382	0.17685536	3.1433342	21	4 1.9	19.2
238404 2004 EC_{47}	15.6	X	256.87300	305.87236	14.07328	4.50220	0.1655801	0.17607434	3.1526227	21	3 25.5	20.6
238405 2004 EA_{52}	16.2	X	331.55157	220.67355	344.49508	3.68048	0.1101948	0.17074312	3.2179101	21	2 10.5	20.4
238406 2004 ED_{59}	15.6	X	18.04828	142.54318	94.20687	7.04858	0.0768039	0.18247057	3.0785118	21	6 1.9	19.5
238407 2004 EE_{65}	14.9	X	338.03914	159.12484	120.47315	18.47372	0.1752355	0.18151464	3.0893108	21	5 23.6	18.8
238408 2004 EJ_{65}	14.7	X	128.72309	63.34513	39.67514	22.27171	0.0588214	0.18114833	3.0934741	21	5 5.9	19.3
238409 2004 EN_{65}	15.1	X	10.22846	65.32367	104.48042	17.53822	0.1133240	0.17105365	3.2140144	21	2 28.3	19.3
238410 2004 EO_{65}	15.0	X	48.03391	84.82117	95.19030	18.20706	0.1081517	0.17829370	3.1264060	21	5 13.2	19.2
238411 2004 ET_{74}	14.8	X	233.11824	297.57006	23.31807	15.11977	0.0909111	0.16997614	3.2275829	21	3 14.8	19.8
238412 2004 EY_{93}	15.2	X	340.72044	117.55626	119.71159	3.90690	0.0254076	0.17673872	3.1447170	21	4 13.2	19.5
238413 2004 EM_{112}	15.2	X	331.38086	144.55021	129.92748	12.35152	0.1613754	0.17942416	3.1132604	21	5 5.7	19.2
238414 2004 FF_{2}	15.6	X	27.49360	338.31753	173.81902	11.88825	0.1353420	0.17221391	3.1995622	21	2 27.2	19.3
238415 2004 FQ_{7}	15.6	X	56.08438	301.85478	173.45442	5.27207	0.1816661	0.17259710	3.1948249	21	3 5.2	19.4
238416 2004 FZ_{8}	15.8	X	11.14739	103.01186	79.80627	7.08264	0.1265971	0.17154051	3.2079302	21	3 16.4	19.7
238417 2004 FS_{19}	15.6	X	348.77891	102.54826	173.42012	11.77595	0.0773462	0.18439081	3.0571016	21	6 9.1	19.7
238418 2004 FM_{36}	15.2	X	75.69148	79.13931	62.12196	5.58662	0.1253073	0.17651911	3.1473248	21	4 30.3	19.3
238419 2004 FX_{52}	15.3	X	41.51302	315.75853	206.88575	13.49017	0.0681672	0.17366240	3.1817461	21	3 30.6	19.5
238420 2004 FJ_{53}	16.5	X	45.53645	44.49249	170.83789	9.44423	0.0333060	0.18683254	3.0304075	21	6 10.6	20.7
238421 2004 FN_{84}	15.7	X	44.47819	111.29349	52.05962	10.59102	0.1834463	0.17719497	3.1393166	21	4 19.8	19.3
238422 2004 FN_{96}	15.7	X	9.93322	92.99293	143.32061	15.22925	0.1788453	0.17899722	3.1182087	21	5 24.5	19.4
238423 2004 FW_{155}	16.0	X	334.51371	132.00668	140.67993	1.60954	0.1250376	0.17939690	3.1135756	21	5 8.5	19.7
238424 2004 GU_{3}	15.3	X	316.02565	115.05995	195.61669	15.73798	0.2595883	0.17833762	3.1258927	21	5 10.5	19.3
238425 2004 GM_{5}	15.6	X	99.44501	36.91438	160.06748	10.90732	0.0622194	0.18519850	3.0482067	21	7 30.0	20.0
238426 2004 GX_{15}	15.6	X	350.07412	49.44405	182.04733	9.47460	0.0345023	0.17410098	3.1764004	21	4 17.5	19.9
238427 2004 GZ_{36}	14.7	X	292.18775	94.98569	213.21339	24.39213	0.2287862	0.17433337	3.1735770	21	4 7.7	19.4
238428 2004 GW_{78}	15.4	X	11.06394	46.37397	186.43040	13.73916	0.0218123	0.17881010	3.1203838	21	5 18.0	19.8
238429 2004 HM_{20}	16.0	X	128.67633	151.68313	30.20641	5.96423	0.1374638	0.18774347	3.0205972	21	8 24.7	20.7
238430 2004 HM_{63}	14.9	X	54.75336	27.30152	136.84292	23.20738	0.0768000	0.17579967	3.1559057	21	5 1.2	19.6
238431 2004 JU_{8}	15.4	X	214.31151	107.34086	208.75036	8.98733	0.1794311	0.16147581	3.3398816	21	2 10.1	21.1
238432 2004 LZ_{8}	15.6	X	323.55095	359.26609	308.18078	24.53802	0.1864415	0.28277021	2.2988658	21	5 12.7	18.7
238433 2004 NP_{23}	17.4	X	285.92512	179.64483	184.88039	5.47645	0.2388744	0.28439529	2.2901000	21	6 6.4	20.3
238434 2004 OG_{2}	16.9	X	157.01980	196.62858	160.44593	6.95380	0.1375636	0.26518665	2.3993943	21	1 23.7	20.4
238435 2004 OU_{13}	17.1	X	57.99967	211.59268	85.44970	5.48375	0.1527222	0.29741209	2.2227825	21	11 14.6	19.8
238436 2004 PZ_{7}	17.3	X	298.62960	144.62252	225.35390	2.23025	0.1699857	0.28686861	2.2769178	21	7 15.5	19.4
238437 2004 PS_{25}	16.9	X	283.78104	32.20292	341.78157	5.09389	0.1748288	0.28555443	2.2838984	21	6 27.6	19.6
238438 2004 PQ_{29}	17.6	X	85.24208	178.77163	127.06358	4.06639	0.2073417	0.30343390	2.1932761	21	12 29.6	21.0
238439 2004 PD_{32}	16.7	X	261.78730	328.65046	339.00671	9.25661	0.1287384	0.27340238	2.3510824	21	3 6.6	20.2
238440 2004 PV_{35}	15.8	X	343.46687	187.15432	165.26498	22.22818	0.2193688	0.28948304	2.2631880	21	10 2.9	17.1
238441 2004 PK_{47}	16.9	X	196.82281	218.39846	147.16495	6.24755	0.1465365	0.27189290	2.3597761	21	3 17.7	20.4
238442 2004 PE_{50}	16.8	X	217.26454	355.10825	348.97855	6.13782	0.1500445	0.27083184	2.3659355	21	3 8.7	20.3
238443 2004 PC_{52}	16.5	X	278.67124	162.13744	125.51025	6.90980	0.2389303	0.27451972	2.3446986	21	2 17.7	20.1
238444 2004 PF_{58}	17.5	X	36.03074	28.27034	296.89063	3.27021	0.1740324	0.29779343	2.2208845	21	11 25.9	20.0
238445 2004 PU_{61}	16.2	X	139.12400	0.87213	26.68874	7.17763	0.2131965	0.26017233	2.4301252	21	2 25.7	19.8
238446 2004 PU_{65}	17.2	X	31.69913	166.48871	166.40442	4.48007	0.1159406	0.29682298	2.2257226	21	11 22.8	19.6
238447 2004 PV_{73}	17.2	X	251.64907	335.32110	33.94112	2.13076	0.1844948	0.27929801	2.3178793	21	5 10.6	20.6
238448 2004 PN_{75}	16.8	X	44.93110	115.42271	210.29986	4.92201	0.2256909	0.29705771	2.2245500	21	12 16.1	19.7
238449 2004 PP_{80}	16.7	X	230.61800	196.69186	184.50381	6.27157	0.1239375	0.27656384	2.3331310	21	5 11.2	20.1
238450 2004 PK_{100}	16.8	X	322.84390	228.75378	161.43057	14.56715	0.2964516	0.23082754	2.6319500	21	9 16.1	18.4
238451 2004 PA_{103}	16.5	X	281.87634	17.58918	306.45702	4.16536	0.2514211	0.27656182	2.3331423	21	4 3.2	20.1
238452 2004 PZ_{105}	17.2	X	261.96045	327.58909	36.25497	3.52631	0.1724714	0.27758313	2.3274160	21	5 15.7	20.6
238453 2004 QF	17.3	X	81.15518	229.95390	179.25387	46.18127	0.1468964	0.42955867	1.7396200	21	—	—
238454 2004 QW_{9}	17.4	X	50.71698	287.66522	28.63367	5.19913	0.1965405	0.29857054	2.2170292	21	12 5.9	20.3
238455 2004 QS_{26}	17.5	X	66.58984	107.87219	150.51475	2.94422	0.1123815	0.29246184	2.2477943	21	9 25.7	20.0
238456 2004 RK	19.3	X	34.07841	264.45284	178.77269	18.14872	0.3002001	0.60236404	1.3885559	21	—	—
238457 2004 RL_{7}	15.5	X	322.67721	152.75623	210.93813	24.55016	0.2143850	0.28781686	2.2719141	21	8 8.7	18.1
238458 2004 RD_{14}	16.4	X	318.73873	73.75168	337.08005	10.81265	0.1883481	0.23574464	2.5952239	21	10 15.1	18.9
238459 2004 RC_{28}	17.0	X	64.05977	76.37956	177.17103	7.14140	0.0757253	0.29062215	2.2572704	21	9 7.1	19.5
238460 2004 RF_{32}	16.9	X	287.49698	216.48676	150.08247	6.28221	0.1277975	0.28422421	2.2910189	21	6 29.7	19.6
238461 2004 RV_{40}	17.4	X	67.88765	129.60188	304.70065	0.69921	0.1642235	0.25673392	2.4517746	21	1 4.4	19.6
238462 2004 RR_{45}	17.1	X	350.00803	339.22767	357.79509	3.49152	0.2109997	0.29029133	2.2589850	21	9 18.9	18.2
238463 2004 RV_{50}	17.6	X	324.42343	187.66872	134.69245	3.41134	0.1688917	0.28412750	2.2915387	21	6 18.9	19.5
238464 2004 RH_{52}	16.5	X	256.37184	47.76063	0.72493	11.76587	0.2972138	0.22282266	2.6946135	21	6 26.5	21.0
238465 2004 RW_{62}	16.7	X	212.23332	42.70993	345.80032	7.02088	0.1256355	0.27373858	2.3491570	21	4 27.2	20.2
238466 2004 RE_{63}	16.9	X	93.03087	93.49745	176.86038	5.08153	0.1063281	0.29689225	2.2253764	21	11 14.4	19.8
238467 2004 RM_{63}	17.0	X	198.62224	3.84374	350.95027	6.06301	0.2106500	0.26703972	2.3882813	21	3 6.7	21.1
238468 2004 RA_{64}	17.3	X	31.84683	308.92650	352.69700	2.66437	0.1925339	0.29243087	2.2479531	21	10 18.8	19.5
238469 2004 RD_{64}	16.8	X	354.01702	108.25754	176.60097	6.60505	0.2098071	0.28444230	2.2898477	21	6 20.6	18.3
238470 2004 RF_{65}	16.4	X	279.99027	0.91813	1.55702	7.02015	0.1393665	0.28115284	2.3076737	21	6 9.7	19.4
238471 2004 RC_{68}	16.3	X	257.48102	8.70001	8.80874	6.77869	0.1283113	0.27907141	2.3191338	21	6 2.9	19.6
238472 2004 RH_{73}	17.2	X	206.27999	7.46324	30.44027	1.65249	0.1870968	0.27278807	2.3546108	21	5 5.1	21.1
238473 2004 RN_{76}	16.6	X	255.43010	210.35378	166.55603	8.42519	0.2173769	0.27794552	2.3253925	21	5 23.7	20.2
238474 2004 RO_{76}	17.3	X	8.48472	170.90013	142.55942	2.31134	0.2281224	0.28955989	2.2627876	21	9 29.3	18.7
238475 2004 RT_{86}	16.7	X	213.56674	287.12758	125.40060	8.14587	0.0930682	0.27811875	2.3244268	21	6 5.5	20.0
238476 2004 RP_{103}	16.7	X	184.24426	345.06234	72.47245	8.12590	0.1110007	0.27331718	2.3515710	21	5 10.6	20.1
238477 2004 RQ_{103}	16.7	X	282.47942	128.98918	225.58818	5.54920	0.1280432	0.28036296	2.3120060	21	6 4.9	19.6
238478 2004 RR_{104}	16.2	X	280.68476	146.98555	219.18210	6.28049	0.1350250	0.28118326	2.3075073	21	6 17.8	19.0
238479 2004 RL_{153}	16.2	X	265.02985	99.56881	318.85454	10.80800	0.1955327	0.22660002	2.6645841	21	7 31.6	19.9
238480 2004 RC_{157}	16.6	X	340.50534	184.39412	185.64349	8.89367	0.1113233	0.29170129	2.2516998	21	10 18.6	18.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
238481 2004 RP_{173}	17.4	X	353.22759	343.50237	343.79600	2.94262	0.2106263	0.28749748	2.2735963	21	9 9.0	18.6
238482 2004 RF_{183}	16.9	X	27.71399	134.78689	192.93270	5.31768	0.2013290	0.29471951	2.2363003	21	11 23.2	19.2
238483 2004 RA_{192}	16.9	X	346.57105	343.61096	327.16599	4.40709	0.0973376	0.28394163	2.2925387	21	7 24.7	19.1
238484 2004 RX_{222}	17.0	X	55.79900	174.38942	106.33320	7.17287	0.1792242	0.29291880	2.2454560	21	10 25.9	19.8
238485 2004 RP_{229}	16.8	X	46.91725	265.84458	211.67590	6.07264	0.0932612	0.25707938	2.4495777	21	1 22.0	19.5
238486 2004 RU_{231}	16.7	X	277.03368	113.15445	189.32186	5.86701	0.1251881	0.27059495	2.3673161	21	3 17.8	19.8
238487 2004 RT_{243}	17.3	X	69.04384	359.19763	158.56176	5.10450	0.1612019	0.27171234	2.3608214	21	5 10.4	19.7
238488 2004 RU_{257}	17.2	X	334.50768	158.97181	183.31150	5.78447	0.2394247	0.28739549	2.2741341	21	8 7.4	18.4
238489 2004 RU_{272}	17.2	X	8.33064	121.59820	0.28995	6.37455	0.0606798	0.25637222	2.4540802	21	—	—
238490 2004 RT_{281}	16.7	X	9.42077	320.82741	176.10105	9.50258	0.0775630	0.25826699	2.4420626	21	—	—
238491 2004 RC_{285}	17.3	X	94.17544	300.18616	121.88916	1.86193	0.1627339	0.25862735	2.4397936	21	2 2.9	20.0
238492 2004 RR_{310}	16.7	X	184.76663	183.94154	191.06393	6.75340	0.1193183	0.26558675	2.3969839	21	3 15.1	20.3
238493 2004 RX_{313}	17.0	X	103.33014	43.24234	359.15734	5.00047	0.1043031	0.25737319	2.4477131	21	1 13.3	19.9
238494 2004 RY_{337}	17.2	X	0.40703	83.35813	9.96859	2.69116	0.1724858	0.24457864	2.5323498	21	—	—
238495 2004 RH_{338}	16.8	X	59.15135	173.67497	38.89720	2.68237	0.0418653	0.27664653	2.3326660	21	6 24.6	19.5
238496 2004 RZ_{345}	17.3	X	74.26961	145.75209	154.24342	7.54147	0.2585702	0.29841799	2.2177847	21	12 16.4	20.9
238497 2004 SG_{25}	17.7	X	37.31195	84.00694	30.21520	2.34486	0.1581061	0.25382340	2.4704815	21	1 1.7	19.9
238498 2004 SQ_{28}	17.3	X	108.99761	178.60557	108.31617	3.22440	0.1806517	0.30297477	2.1954914	21	12 25.8	20.6
238499 2004 SA_{30}	16.3	X	320.09705	337.84007	2.67335	7.00390	0.1474180	0.28405715	2.2919170	21	7 15.7	18.4
238500 2004 SM_{33}	17.1	X	287.06437	268.92485	56.46306	3.49495	0.2491137	0.27671354	2.3322894	21	4 14.0	20.4
238501 2004 SS_{52}	16.7	X	74.23225	347.69157	97.50442	4.54312	0.1828519	0.25800715	2.4437019	21	2 5.2	18.9
238502 2004 SB_{54}	17.3	X	153.15419	195.03180	227.50419	1.16916	0.1168583	0.26684694	2.3894314	21	4 12.4	20.7
238503 2004 SF_{54}	17.2	X	108.39435	136.78133	177.05228	8.88819	0.2789711	0.30533494	2.1841630	21	—	—
238504 2004 SG_{58}	16.5	X	203.62919	349.61811	25.87565	5.56108	0.1537550	0.26792895	2.3829940	21	4 5.4	20.3
238505 2004 TK_{5}	16.2	X	239.34611	45.62717	45.30992	5.67118	0.1217822	0.22277432	2.6950032	21	8 24.5	20.1
238506 2004 TH_{8}	17.2	X	311.13250	207.31631	154.72130	3.15667	0.1726222	0.28506527	2.2865104	21	7 26.2	19.0
238507 2004 TW_{12}	16.7	X	275.05787	282.56149	46.05066	7.98239	0.1401547	0.27430844	2.3459024	21	4 19.3	19.8
238508 2004 TO_{46}	17.3	X	47.87085	259.84319	24.57885	3.69259	0.2066243	0.28908274	2.2652768	21	10 20.5	20.0
238509 2004 TH_{52}	15.7	X	228.97134	7.74309	30.07344	9.86491	0.1635065	0.21471236	2.7620488	21	5 28.0	20.1
238510 2004 TH_{55}	16.9	X	33.20887	224.83601	191.06860	4.06979	0.2195610	0.24342914	2.5403156	21	—	—
238511 2004 TJ_{68}	16.8	X	261.95059	275.05038	143.91405	6.20563	0.2602198	0.22310476	2.6923415	21	7 18.5	20.8
238512 2004 TF_{70}	17.1	X	351.16455	254.62592	91.71406	2.96464	0.1769112	0.28812594	2.2702890	21	10 7.3	18.6
238513 2004 TU_{88}	17.1	X	70.03158	145.96294	27.83714	7.53189	0.0472627	0.27270136	2.3551099	21	5 14.1	19.9
238514 2004 TV_{98}	17.6	X	29.35748	359.96005	60.39664	1.91431	0.1340728	0.24520348	2.5280459	21	—	—
238515 2004 TN_{108}	17.4	X	17.40011	244.05671	80.02669	4.11974	0.1255568	0.29138776	2.2533147	21	10 19.2	19.5
238516 2004 TM_{109}	17.2	X	258.50549	229.48033	109.11285	4.98160	0.1917083	0.27318850	2.3523094	21	4 9.9	20.8
238517 2004 TN_{113}	17.2	X	48.32066	16.83959	45.44254	8.81323	0.2323332	0.24644731	2.5195327	21	—	—
238518 2004 TC_{121}	17.1	X	54.48134	330.66117	327.11422	4.50459	0.2645934	0.29509604	2.2343976	21	11 23.4	20.2
238519 2004 TC_{133}	16.4	X	333.16420	310.24997	39.09605	4.94208	0.2906957	0.28581124	2.2825301	21	8 16.7	17.1
238520 2004 TZ_{144}	16.7	X	139.67617	206.86399	217.74644	6.68239	0.0342979	0.26274687	2.4142247	21	3 18.4	19.8
238521 2004 TF_{151}	17.1	X	106.27529	194.19308	208.38175	2.10398	0.1539539	0.25579330	2.4577815	21	1 24.1	20.0
238522 2004 TZ_{163}	17.3	X	19.97927	3.35085	88.78162	2.00743	0.0996292	0.24702339	2.5156140	21	—	—
238523 2004 TV_{169}	16.6	X	307.14363	247.48025	79.63001	4.04825	0.1819303	0.27930317	2.3178508	21	5 23.4	19.1
238524 2004 TV_{173}	16.0	X	273.69108	58.76844	35.51665	28.55973	0.3067710	0.22426177	2.6830734	21	9 26.9	20.0
238525 2004 TL_{185}	17.0	X	357.71739	217.40469	5.14747	6.54867	0.0274202	0.26883952	2.3776101	21	4 3.2	19.8
238526 2004 TE_{187}	17.3	X	210.94523	212.36328	207.78564	2.95315	0.0836254	0.27615364	2.3354409	21	6 12.3	20.6
238527 2004 TN_{220}	15.8	X	102.05026	343.61418	83.43230	12.12985	0.2300056	0.25729903	2.4481834	21	3 11.7	19.1
238528 2004 TH_{240}	16.6	X	255.50249	161.76416	202.44410	7.63316	0.0577789	0.27785541	2.3258952	21	5 24.3	19.6
238529 2004 TR_{262}	16.1	X	2.99696	124.18344	226.69638	9.92606	0.2176192	0.23092224	2.6312304	21	10 30.0	18.5
238530 2004 TM_{275}	17.2	X	357.93108	95.96000	226.94758	3.21410	0.1728293	0.28491539	2.2873122	21	9 7.9	18.8
238531 2004 TL_{278}	16.9	X	40.66463	64.37050	200.58513	5.23693	0.1477400	0.28114992	2.3076896	21	8 28.4	19.3
238532 2004 TJ_{281}	17.2	X	10.72832	252.49197	5.94581	5.06287	0.1280211	0.27898027	2.3196389	21	6 16.9	19.2
238533 2004 TM_{321}	17.3	X	294.90793	120.04747	345.53298	2.98675	0.1215665	0.23330149	2.6133106	21	11 28.2	20.2
238534 2004 TH_{332}	17.3	X	304.83399	278.03007	38.14791	2.33790	0.2333187	0.27752305	2.3277518	21	4 24.6	20.2
238535 2004 TQ_{334}	17.4	X	327.98340	324.62150	109.40186	1.09649	0.1749533	0.23996247	2.5647232	21	12 17.0	19.6
238536 2004 VH_{6}	17.0	X	298.02737	156.44446	166.24590	2.28425	0.2515017	0.27617363	2.3353281	21	4 22.7	20.0
238537 2004 VY_{8}	16.5	X	18.45820	78.73450	335.90520	10.56510	0.1457256	0.24165283	2.5527491	21	—	—
238538 2004 VU_{12}	16.5	X	348.40417	237.74496	78.82060	8.42398	0.1424608	0.28076325	2.3098080	21	8 8.5	18.5
238539 2004 VD_{19}	16.7	X	359.53516	344.34300	72.34749	3.69211	0.1389276	0.23733771	2.5835977	21	—	—
238540 2004 VM_{21}	16.9	X	6.45437	345.99694	67.59475	5.16124	0.1985802	0.23824145	2.5770598	21	—	—
238541 2004 VV_{24}	16.6	X	315.31109	115.45047	351.35598	4.63176	0.1829257	0.23636041	2.5907145	21	—	—
238542 2004 VT_{27}	15.7	X	340.16383	213.30158	53.08891	24.42002	0.2079622	0.27017697	2.3697571	21	4 24.5	18.1
238543 2004 VK_{36}	16.1	X	237.21370	180.02806	226.90425	4.59518	0.0706090	0.21631201	2.7484149	21	6 27.7	20.0
238544 2004 VT_{48}	16.4	X	11.04975	2.54397	80.39207	9.81030	0.0874251	0.24247993	2.5469408	21	—	—
238545 2004 VS_{62}	15.9	X	19.05352	256.05869	167.19398	11.93144	0.2851306	0.23953062	2.5678049	21	—	—
238546 2004 VK_{65}	17.4	X	336.48073	138.74851	191.65749	2.41661	0.1945776	0.28317842	2.2966560	21	7 27.2	18.8
238547 2004 VL_{70}	16.7	X	293.22685	283.91810	205.90028	3.98625	0.2165636	0.23483162	2.6019464	21	12 19.6	19.1
238548 2004 VV_{70}	15.7	X	305.57468	283.78190	61.36390	13.95518	0.0935682	0.21797599	2.7344099	21	7 2.7	19.3
238549 2004 VB_{75}	16.7	X	142.75866	315.17634	80.68487	5.03358	0.1985156	0.25902317	2.4373074	21	3 9.9	20.3
238550 2004 VP_{75}	16.8	X	6.03330	296.44805	49.85044	11.39656	0.2560803	0.28914962	2.2649275	21	11 20.3	18.6
238551 2004 VW_{96}	16.4	X	297.34773	276.58775	235.66189	6.51062	0.1099941	0.24063173	2.5599655	21	—	—
238552 2004 WS_{7}	16.3	X	340.78691	20.55106	62.54581	15.06774	0.0807198	0.23788647	2.5796229	21	—	—
238553 2004 XX_{4}	16.7	X	0.98770	54.63733	33.86237	4.54222	0.1713349	0.24030144	2.5623108	21	—	—
238554 2004 XK_{13}	15.9	X	346.47326	299.36053	93.62552	5.37712	0.1703818	0.22958810	2.6414139	21	11 22.8	18.4
238555 2004 XL_{15}	16.6	X	318.27000	156.17310	299.62348	1.45080	0.1112228	0.23358366	2.6112057	21	12 26.5	19.3
238556 2004 XN_{21}	15.8	X	235.89828	330.31424	66.03411	7.07490	0.0742374	0.21174227	2.7878175	21	6 11.9	19.9
238557 2004 XK_{26}	15.7	X	251.70766	343.94581	71.14319	8.33488	0.1941687	0.21599317	2.7511189	21	7 11.5	19.9
238558 2004 XH_{27}	17.0	X	307.65600	0.23400	70.86326	3.32403	0.2558526	0.22842100	2.6504037	21	10 18.5	19.2
238559 2004 XX_{28}	16.0	X	325.48173	20.09905	102.25695	8.59425	0.1392239	0.23620457	2.5918539	21	—	—
238560 2004 XO_{44}	14.6	X	43.20404	343.36769	68.07931	3.73911	0.2547697	0.12405950	3.9815243	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
238561 2004 XP_{51}	16.5	X	200.07391	272.04937	87.25798	5.81053	0.1196188	0.26131160	2.4230567	21	3 15.2	20.2
238562 2004 XX_{53}	16.1	X	296.01038	212.08265	95.44445	8.45312	0.2064758	0.26748352	2.3856388	21	4 10.9	19.4
238563 2004 XN_{60}	16.8	X	213.57481	339.41966	272.76896	3.24706	0.0980469	0.23825170	2.5769859	21	—	—
238564 2004 XP_{64}	16.2	X	213.40309	73.60790	71.57610	13.84107	0.0941650	0.22190149	2.7020657	21	10 11.2	20.4
238565 2004 XQ_{74}	16.0	X	254.47177	322.14355	130.80617	7.98010	0.2636747	0.21775218	2.7362832	21	8 24.3	20.0
238566 2004 XD_{75}	16.4	X	81.30001	157.47414	236.21136	1.54243	0.1261351	0.24455105	2.5325403	21	—	—
238567 2004 XO_{78}	16.0	X	349.55716	18.71213	77.56423	15.83552	0.0702511	0.23844716	2.5755774	21	—	—
238568 2004 XF_{80}	15.7	X	254.49542	70.02350	107.53286	14.45189	0.0408112	0.23155892	2.6264051	21	—	—
238569 2004 XL_{80}	16.1	X	73.11808	172.96537	233.13384	3.91027	0.0950759	0.24463122	2.5319869	21	—	—
238570 2004 XP_{86}	16.5	X	350.84006	181.45477	243.36631	3.78291	0.2163011	0.23273703	2.6175344	21	—	—
238571 2004 XE_{87}	16.5	X	341.46487	218.65308	86.74338	7.14028	0.1105755	0.27647552	2.3336278	21	7 3.9	18.7
238572 2004 XO_{89}	16.0	X	14.21048	101.87771	339.77307	4.81875	0.1184911	0.24184747	2.5513793	21	—	—
238573 2004 XL_{98}	16.7	X	267.72710	255.12792	90.13088	7.94470	0.2345155	0.26749031	2.3855985	21	4 24.8	20.4
238574 2004 XK_{111}	16.6	X	356.76913	12.38197	61.01458	5.73485	0.2173963	0.23632223	2.5909935	21	—	—
238575 2004 XR_{121}	16.6	X	36.11341	70.50013	359.17806	2.65567	0.1051603	0.24318735	2.5419991	21	—	—
238576 2004 XZ_{123}	15.8	X	75.53471	296.86361	83.89315	13.31477	0.0883327	0.24060439	2.5601594	21	—	—
238577 2004 XM_{124}	15.6	X	221.74418	79.97003	68.49941	25.37634	0.1711105	0.22009177	2.7168574	21	10 22.0	20.2
238578 2004 XJ_{126}	16.3	X	280.42379	62.69683	91.81891	14.02638	0.1543979	0.23254652	2.6189638	21	—	—
238579 2004 XP_{146}	15.8	X	267.74719	61.87511	65.67518	13.23675	0.2039627	0.22414170	2.6840315	21	11 4.7	19.2
238580 2004 XC_{162}	16.5	X	327.32165	315.94208	26.89036	13.65289	0.2471070	0.28184598	2.3038886	21	7 24.2	18.5
238581 2004 XP_{163}	16.7	X	24.89443	7.86816	12.90869	3.63344	0.1573838	0.23150136	2.6268404	21	—	—
238582 2004 XV_{164}	15.9	X	356.91069	109.53457	341.44892	11.39509	0.1485407	0.24026479	2.5625713	21	—	—
238583 2004 XF_{171}	15.6	X	315.89418	346.97778	111.63415	14.25909	0.2431714	0.22887916	2.6468656	21	12 22.6	17.6
238584 2004 XR_{181}	16.1	X	223.80336	73.57358	56.23619	12.90365	0.2381550	0.21986917	2.7186909	21	9 18.7	20.7
238585 2004 XQ_{191}	15.7	X	317.09741	55.28779	48.14884	14.59701	0.1386496	0.22981894	2.6396449	21	—	—
238586 2004 YK_{2}	16.8	X	328.03619	0.05687	132.73199	1.65716	0.1253227	0.23886417	2.5725789	21	—	—
238587 2004 YX_{3}	16.5	X	190.65670	237.81724	289.30281	6.67595	0.1660360	0.21809918	2.7333801	21	9 28.9	21.1
238588 2004 YE_{4}	15.9	X	12.65114	291.95458	315.83264	0.91819	0.0204280	0.20386857	2.8591429	21	6 5.3	19.5
238589 2004 YL_{5}	15.8	X	306.93667	291.74158	144.62251	14.20782	0.1676213	0.22576954	2.6711144	21	11 8.5	18.9
238590 2004 YC_{20}	16.1	X	332.68840	93.52830	116.65502	5.83357	0.1228243	0.24774321	2.5107388	21	1 31.3	19.1
238591 2004 YS_{21}	16.4	X	87.19673	199.67576	113.59322	4.37994	0.0318639	0.22567328	2.6718739	21	12 11.9	20.2
238592 2004 YQ_{25}	15.8	X	190.80904	30.08916	127.51428	12.83122	0.2186011	0.21341168	2.7732600	21	9 22.6	20.7
238593 Paysdegex	16.1	X	259.25417	84.24378	144.29054	3.77922	0.1633842	0.23916478	2.5704228	21	—	—
238594 2005 AB_{4}	16.4	X	166.85149	325.47604	63.82446	7.54939	0.1107411	0.25649982	2.4532662	21	3 20.1	20.0
238595 2005 AW_{5}	15.7	X	154.10143	172.75178	93.49929	13.63969	0.0744767	0.22935202	2.6432262	21	12 31.1	19.7
238596 2005 AJ_{13}	16.6	X	79.91873	314.89672	76.10409	2.13381	0.1154005	0.24172279	2.5522565	21	—	—
238597 2005 AO_{20}	16.4	X	15.16538	170.69404	220.52939	2.28754	0.2326421	0.23191035	2.6237511	21	—	—
238598 2005 AE_{23}	16.2	X	310.64607	35.37901	86.71637	6.89342	0.0846449	0.23140495	2.6275700	21	—	—
238599 2005 AT_{23}	16.8	X	234.79629	50.21825	94.46943	4.40808	0.1400094	0.22173232	2.7034399	21	10 24.1	20.6
238600 2005 AZ_{42}	16.3	X	98.39591	305.46540	211.84997	1.02856	0.1714357	0.19987403	2.8971110	21	6 23.8	20.5
238601 2005 AC_{45}	15.9	X	92.18363	43.77236	333.06873	4.70504	0.2944831	0.24161862	2.5529900	21	—	—
238602 2005 AN_{46}	16.7	X	242.51091	19.30806	104.12321	3.57848	0.2365998	0.22039641	2.7143533	21	9 23.6	20.7
238603 2005 AS_{48}	16.5	X	335.63056	269.86558	153.14448	2.54273	0.0864478	0.22770084	2.6559891	21	12 9.0	19.6
238604 2005 AP_{53}	15.5	X	29.00412	251.14126	296.52287	9.76230	0.0255013	0.19325521	2.9628881	21	4 5.4	19.8
238605 2005 AF_{55}	16.2	X	270.04944	27.43035	92.27830	7.56938	0.0842263	0.22653065	2.6651280	21	11 15.2	19.6
238606 2005 AR_{67}	16.8	X	25.33338	216.94823	191.63192	2.65119	0.1136696	0.23441872	2.6050008	21	—	—
238607 2005 AF_{75}	16.7	X	278.27924	33.12451	121.37712	4.37285	0.0559929	0.23052162	2.6342780	21	—	—
238608 2005 AW_{80}	16.2	X	166.33414	155.59071	103.58743	5.68971	0.2517485	0.22504563	2.6768395	21	12 27.1	20.9
238609 2005 AB_{81}	16.3	X	287.52248	1.79698	114.80853	7.36875	0.0350161	0.22570180	2.6716488	21	12 10.1	19.8
238610 2005 BM	16.6	X	334.00737	12.70869	55.14994	3.41082	0.1335547	0.22953827	2.6417962	21	12 14.8	19.2
238611 2005 BM_{2}	15.9	X	297.37895	69.97676	49.96737	21.70782	0.1702390	0.22809192	2.6529523	21	12 12.9	18.9
238612 2005 BG_{9}	16.7	X	206.45122	140.32929	3.40269	3.87295	0.1518748	0.21587939	2.7520856	21	9 19.6	21.0
238613 2005 BC_{10}	16.6	X	208.08313	110.34965	31.25005	3.76386	0.1370412	0.21683353	2.7440062	21	9 20.7	20.9
238614 2005 BY_{10}	16.5	X	23.04606	316.27820	120.53843	3.95535	0.1065807	0.23633959	2.5908667	21	—	—
238615 2005 BP_{16}	16.2	X	197.63826	280.98000	92.84226	7.14043	0.1272835	0.25783843	2.4447678	21	4 1.4	20.0
238616 2005 BT_{21}	16.9	X	130.33252	233.57318	165.74420	2.22649	0.1636048	0.19061246	2.9902112	21	3 3.4	21.4
238617 2005 BL_{22}	16.7	X	318.96893	66.97975	340.21912	2.54807	0.0555372	0.22006734	2.7170585	21	10 20.5	20.1
238618 2005 BX_{23}	16.4	X	327.55569	92.13555	19.29708	2.99097	0.0756517	0.23307308	2.6150177	21	—	—
238619 2005 BG_{24}	15.6	X	158.16546	236.36777	315.30230	10.75600	0.1947399	0.21186882	2.7867073	21	9 27.9	20.5
238620 2005 BK_{25}	16.0	X	318.43324	29.23550	123.63321	29.00455	0.0580301	0.23795063	2.5791592	21	—	—
238621 2005 BE_{39}	16.8	X	8.92821	209.26334	151.64121	2.33920	0.0996094	0.22216513	2.6999276	21	11 8.8	20.0
238622 2005 CT_{11}	15.2	X	34.66048	152.96441	333.04362	19.70860	0.0124544	0.18376843	3.0640001	21	2 5.4	19.5
238623 2005 CL_{12}	12.9	X	218.12407	285.49425	131.46126	26.15303	0.0915769	0.08356458	5.1814886	21	6 22.7	20.3
238624 2005 CV_{13}	16.3	X	276.12876	299.31773	170.53777	12.84095	0.2309454	0.22409020	2.6844427	21	10 19.6	19.6
238625 2005 CB_{14}	15.7	X	20.51318	173.04294	340.44198	7.79806	0.0653714	0.18548011	3.0451205	21	2 17.2	19.5
238626 2005 CC_{21}	15.8	X	187.35144	49.29830	129.41608	11.88121	0.2688860	0.21447483	2.7640877	21	10 13.7	20.9
238627 2005 CL_{21}	15.8	X	227.99915	51.23868	91.80779	4.50358	0.1378926	0.21738611	2.7393541	21	10 14.4	19.8
238628 2005 CG_{22}	15.7	X	152.36245	143.84745	68.75029	4.41557	0.1847581	0.21343151	2.7730883	21	10 24.5	20.3
238629 2005 CA_{24}	15.8	X	268.37391	274.27930	157.20494	16.77963	0.1265575	0.21576381	2.7530683	21	8 31.2	19.5
238630 2005 CK_{25}	16.2	X	181.63411	116.53714	106.65973	4.07252	0.0135457	0.22246424	2.6975070	21	12 11.8	20.0
238631 2005 CJ_{27}	15.3	X	83.78717	126.80608	312.89887	21.13012	0.0806083	0.18623181	3.0369209	21	2 11.5	19.4
238632 2005 CD_{32}	16.6	X	293.44438	89.74588	4.36532	3.36999	0.0510167	0.22152345	2.7051389	21	11 15.1	20.0
238633 2005 CB_{36}	16.2	X	250.83642	59.76544	107.47773	6.62732	0.0303082	0.22741922	2.6581813	21	12 26.3	19.7
238634 2005 CD_{48}	16.5	X	134.55673	49.69059	162.17326	2.62392	0.1666973	0.21102313	2.7941476	21	10 7.1	21.0
238635 2005 CT_{53}	16.2	X	184.95681	119.00246	140.27972	4.60795	0.0576591	0.23049272	2.6344982	21	—	—
238636 2005 CF_{55}	16.7	X	244.12183	141.02123	7.90209	3.07044	0.0258037	0.22183655	2.7025930	21	11 23.3	20.2
238637 2005 CR_{65}	16.1	X	223.74593	109.50172	0.04517	7.56592	0.1785635	0.21176921	2.7875810	21	8 24.3	20.4
238638 2005 CB_{76}	16.7	X	263.27201	293.25013	118.41929	1.66452	0.0656235	0.20890135	2.8130355	21	8 7.0	20.4
238639 2005 EK_{6}	16.5	X	152.52570	112.59017	5.55322	2.58457	0.1039605	0.19936134	2.9020758	21	6 25.8	20.9
238640 2005 EM_{6}	16.3	X	37.11379	204.12860	48.26878	1.41944	0.0895574	0.19915676	2.9040629	21	7 23.8	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
238641 2005 EF_{11}	16.3	X	292.50599	222.61973	353.68933	10.19114	0.1318851	0.23888437	2.5724339	21	—	—
238642 2005 EL_{12}	15.7	X	116.19567	226.23085	11.65023	7.77184	0.1684217	0.21061797	2.7977298	21	10 20.1	20.2
238643 2005 EX_{17}	16.4	X	89.32176	340.71076	156.76975	2.63973	0.0760089	0.19083032	2.9879349	21	5 5.1	20.5
238644 2005 EY_{19}	15.1	X	177.94982	323.75065	341.62555	8.77316	0.0618317	0.17385754	3.1793648	21	—	—
238645 2005 EL_{25}	16.5	X	214.15544	33.74320	97.89078	3.03710	0.2157840	0.21237492	2.7822782	21	9 8.1	21.0
238646 2005 EU_{25}	15.8	X	211.59594	358.51115	344.60789	11.32868	0.0756903	0.24601064	2.5225133	21	3 5.2	19.5
238647 2005 EK_{37}	16.7	X	255.37948	43.19570	357.56677	23.01375	0.0576164	0.38240961	1.8798225	21	7 29.6	19.1
238648 2005 EZ_{40}	16.0	X	139.19558	51.35187	89.92541	14.76246	0.1468924	0.20197307	2.8770036	21	7 14.3	20.6
238649 2005 ET_{42}	16.3	X	33.76518	211.82957	146.24971	6.53152	0.0089973	0.22311420	2.6922656	21	11 29.1	20.0
238650 2005 EV_{44}	16.3	X	213.68414	336.14741	171.59412	4.91617	0.0548476	0.21322140	2.7749097	21	10 11.8	20.3
238651 2005 EC_{45}	16.7	X	170.88540	265.84590	246.62592	0.96766	0.1793429	0.20865663	2.8152346	21	8 26.8	21.3
238652 2005 EE_{58}	15.7	X	68.68627	346.68006	328.73969	13.26851	0.2087541	0.22000005	2.7176125	21	12 12.5	20.0
238653 2005 EX_{77}	16.2	X	163.62017	14.20503	178.81797	8.64095	0.2309370	0.21179809	2.7873276	21	10 9.9	21.1
238654 2005 EY_{85}	16.0	X	269.68069	311.70924	130.18882	7.56935	0.1932326	0.21486147	2.7607708	21	9 7.4	19.7
238655 2005 EV_{97}	15.7	X	179.59950	27.08788	186.60733	8.52680	0.0199505	0.22018412	2.7160977	21	11 27.5	19.6
238656 2005 EU_{102}	16.3	X	102.89838	304.78664	109.09638	2.32499	0.1343994	0.18626842	3.0365229	21	2 15.4	20.3
238657 2005 EV_{103}	16.0	X	169.61508	288.95290	156.92602	2.33122	0.0121902	0.19578180	2.9373420	21	5 30.9	20.1
238658 2005 EP_{109}	15.9	X	250.14248	359.03291	150.79109	5.83723	0.0329500	0.22213661	2.7001587	21	12 2.9	19.5
238659 2005 EG_{114}	16.7	X	41.66513	206.67210	12.94173	2.14408	0.0372135	0.19581034	2.9370565	21	6 9.7	20.6
238660 2005 ER_{116}	15.7	X	311.61482	35.74772	166.22490	5.48151	0.0945315	0.17602700	3.1531880	21	1 11.8	20.2
238661 2005 EW_{121}	16.1	X	151.28363	44.30754	160.23395	5.30849	0.1033476	0.21181562	2.7871739	21	10 13.0	20.3
238662 2005 EN_{128}	16.4	X	44.57877	120.89614	208.85256	2.05473	0.0773655	0.21480454	2.7612586	21	11 14.0	19.9
238663 2005 ES_{138}	15.8	X	163.42201	132.07685	84.57583	9.01534	0.0940179	0.21433027	2.7653305	21	11 10.2	20.1
238664 2005 EL_{143}	16.3	X	271.11987	13.38009	25.34062	2.05721	0.0305274	0.20394178	2.8584586	21	8 6.0	20.1
238665 2005 EJ_{144}	16.2	X	305.56193	230.01944	143.31518	2.66494	0.0770609	0.20519712	2.8467885	21	8 12.8	19.9
238666 2005 ED_{148}	15.7	X	256.69207	300.37549	25.79086	9.31476	0.0621028	0.18645778	3.0344667	21	4 11.4	20.1
238667 2005 EE_{158}	15.7	X	313.65079	30.20371	174.07007	1.33595	0.1194382	0.17674730	3.1446153	21	1 13.9	20.1
238668 2005 ED_{160}	16.3	X	159.82334	255.46497	165.58869	1.05603	0.1430845	0.19049593	2.9914305	21	4 25.9	21.1
238669 2005 EQ_{163}	16.6	X	66.62846	189.09645	125.79088	1.44126	0.0653418	0.21419988	2.7664526	21	11 21.4	20.5
238670 2005 EQ_{171}	15.7	X	67.73211	229.50840	186.15035	28.62372	0.0292956	0.23351369	2.6117272	21	—	—
238671 2005 EM_{179}	16.4	X	5.03214	284.43942	331.09768	1.13843	0.0230613	0.19528351	2.9423364	21	6 5.4	20.2
238672 2005 EK_{182}	15.4	X	310.46062	134.44367	77.52793	1.90690	0.1595472	0.17597411	3.1538198	21	1 14.3	19.9
238673 2005 EN_{185}	16.7	X	24.38949	313.91011	76.82981	1.93318	0.1730549	0.23026239	2.6362548	21	—	—
238674 2005 EX_{187}	15.7	X	332.42936	337.67047	194.52753	4.74807	0.1422101	0.17366514	3.1817126	21	—	—
238675 2005 EN_{192}	16.3	X	200.15123	307.78017	187.39104	4.41462	0.0304762	0.20871079	2.8147475	21	9 9.5	20.3
238676 2005 EC_{193}	15.6	X	310.93163	193.23629	323.69674	2.10083	0.0793203	0.17052795	3.2206164	21	—	—
238677 2005 EN_{201}	15.9	X	337.63511	24.86523	69.50319	14.42229	0.1425684	0.22940719	2.6428025	21	—	—
238678 2005 EP_{205}	16.5	X	238.31336	83.36552	2.97606	4.75582	0.1306172	0.21318492	2.7752263	21	8 14.5	20.5
238679 2005 EL_{207}	16.2	X	226.48867	324.50288	171.63864	8.77253	0.1463552	0.21421713	2.7663041	21	10 1.7	20.4
238680 2005 EA_{209}	16.2	X	67.00538	331.75365	304.43751	2.20276	0.1095532	0.20883623	2.8136202	21	10 8.0	20.1
238681 2005 EM_{212}	15.1	X	318.15175	138.42087	40.95461	17.49153	0.1227393	0.17501142	3.1653746	21	—	—
238682 2005 ES_{219}	16.1	X	65.16569	275.27160	200.91014	4.81561	0.1277835	0.18130014	3.0917470	21	3 11.6	20.0
238683 2005 EX_{226}	16.3	X	139.85677	275.56887	172.92234	9.13558	0.0760945	0.19161165	2.9798068	21	5 5.6	20.8
238684 2005 EF_{235}	16.1	X	222.54214	239.42959	165.38028	12.30662	0.0608782	0.19800581	2.9153056	21	6 10.5	20.6
238685 2005 EH_{237}	16.2	X	287.90669	256.16751	155.45950	4.87338	0.0638537	0.20949270	2.8077393	21	9 10.3	19.9
238686 2005 ES_{243}	15.4	X	256.89709	135.39661	169.08632	9.08736	0.0946009	0.18294538	3.0731830	21	3 12.9	20.0
238687 2005 EK_{246}	15.7	X	341.40492	269.24854	2.16940	11.00387	0.1163022	0.19154735	2.9804737	21	5 13.4	19.5
238688 2005 EO_{248}	16.6	X	342.85988	88.92241	210.07350	1.25315	0.0629928	0.19768120	2.9184962	21	6 30.3	20.3
238689 2005 EL_{253}	16.3	X	59.96363	323.45135	34.73814	3.57232	0.1102750	0.22219619	2.6996760	21	—	—
238690 2005 EK_{255}	16.6	X	51.48439	134.24819	186.68019	5.89045	0.0556830	0.21553692	2.7550000	21	11 9.7	20.3
238691 2005 EK_{263}	16.4	X	298.18102	152.97710	227.71028	1.58302	0.0737691	0.20480398	2.8504305	21	8 11.6	20.1
238692 2005 EA_{269}	16.1	X	84.74956	29.45420	204.79777	11.01875	0.0672102	0.20112026	2.8851307	21	8 28.2	20.3
238693 2005 EG_{269}	14.9	X	325.70397	55.83202	142.46501	17.30567	0.1788162	0.17664218	3.1458627	21	1 13.4	19.3
238694 2005 EO_{270}	16.2	X	198.43528	199.14238	52.86410	4.70413	0.2158834	0.22183788	2.7025822	21	—	—
238695 2005 EX_{283}	15.2	X	290.16762	260.71584	17.45966	15.79866	0.0335822	0.18491077	3.0513679	21	3 28.8	19.4
238696 2005 EE_{287}	16.1	X	168.38142	40.07152	157.85047	9.52633	0.0850380	0.21487885	2.7606219	21	10 24.2	20.3
238697 2005 ES_{287}	15.7	X	57.32476	321.53387	329.43074	8.39736	0.1232427	0.21147259	2.7901871	21	10 14.2	19.5
238698 2005 EM_{288}	15.7	X	213.48677	30.57319	88.82055	12.68250	0.2080142	0.21170256	2.7881661	21	8 27.3	20.5
238699 2005 EP_{323}	15.8	X	9.26895	70.92158	208.90349	10.94716	0.1205340	0.19251680	2.9704595	21	7 14.7	19.6
238700 2005 EC_{327}	15.6	X	17.61909	173.22419	36.25084	7.33251	0.1246186	0.18318514	3.0705009	21	4 26.0	18.9
238701 2005 EE_{327}	16.2	X	109.53886	243.29141	294.66802	0.89030	0.0474665	0.19664557	2.9287341	21	7 17.6	20.2
238702 2005 ED_{328}	15.0	X	33.89872	260.76635	204.46290	12.66165	0.1460947	0.17578130	3.1561255	21	1 7.2	18.9
238703 2005 FR_{4}	15.8	X	188.57038	315.52630	210.51923	12.40747	0.1455751	0.21361997	2.7714570	21	9 27.8	20.3
238704 2005 FO_{5}	16.3	X	234.29815	28.37693	40.25092	2.33792	0.0770863	0.20478166	2.8506376	21	7 22.9	20.5
238705 2005 GY_{9}	15.9	X	286.56976	43.73802	171.64333	3.99012	0.1379204	0.17163548	3.2067468	21	—	—
238706 2005 GF_{10}	15.8	X	280.69964	114.84612	166.40225	9.35894	0.2345027	0.17709536	3.1404938	21	2 22.7	20.8
238707 2005 GZ_{10}	15.4	X	37.30633	99.03922	132.73696	10.76435	0.0299594	0.19331690	2.9622577	21	6 20.2	19.5
238708 2005 GD_{15}	15.5	X	47.74357	266.64711	164.34611	0.96573	0.1315037	0.17334489	3.1856302	21	—	—
238709 2005 GT_{21}	17.6	X	207.56055	290.68809	201.61684	23.00893	0.1259206	0.38954653	1.8567916	21	9 19.3	19.9
238710 Halassy	16.6	X	66.41978	274.31988	39.09419	4.88189	0.0677183	0.21388400	2.7691757	21	11 18.7	20.4
238711 2005 GD_{35}	16.0	X	191.15278	102.81333	342.41877	5.10219	0.0535921	0.19579322	2.9372277	21	6 25.4	20.3
238712 2005 GH_{36}	15.0	X	5.81143	57.54773	47.13595	17.01394	0.1140619	0.17204225	3.2016902	21	—	—
238713 2005 GQ_{37}	15.8	X	46.01089	168.87885	5.84394	15.77983	0.2614047	0.18656903	3.0332603	21	5 9.3	19.2
238714 2005 GP_{40}	16.1	X	33.31657	343.24656	193.08557	7.49799	0.1098849	0.18348093	3.0672000	21	4 7.9	19.6
238715 2005 GQ_{44}	16.2	X	20.14666	299.63319	356.49022	5.68759	0.0451743	0.20260737	2.8709958	21	8 23.3	20.0
238716 2005 GM_{45}	15.5	X	49.62507	201.39120	63.04178	11.91432	0.0282438	0.20207375	2.8760479	21	8 24.9	19.6
238717 2005 GO_{47}	15.9	X	183.75309	338.76006	194.48827	9.02478	0.0681758	0.21030824	2.8004760	21	10 7.2	20.0
238718 2005 GB_{55}	16.6	X	68.31211	222.79815	359.86097	1.72941	0.0555831	0.19807938	2.9145837	21	7 24.3	20.6
238719 2005 GO_{62}	15.1	X	222.76109	293.39044	347.40032	21.62412	0.0912470	0.17558699	3.1584535	21	1 17.7	20.3
238720 2005 GB_{64}	15.6	X	88.61792	210.78636	29.65669	14.87860	0.1924181	0.20413777	2.8566288	21	10 3.2	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
238721 2005 GC_{67}	16.4	X	33.77565	275.67813	26.14635	2.20353	0.0441174	0.20351569	2.8624470	21	9 18.4	20.1
238722 2005 GK_{76}	14.7	X	167.23260	192.27223	176.60341	27.40417	0.1026102	0.17824053	3.1270277	21	2 26.8	19.6
238723 2005 GD_{79}	15.1	X	304.94154	115.85719	144.68892	16.63518	0.1806167	0.17789508	3.1310747	21	3 5.1	19.5
238724 2005 GT_{79}	15.7	X	16.85621	139.01579	114.71134	15.17952	0.1004896	0.19130715	2.9829679	21	6 23.9	19.4
238725 2005 GE_{82}	15.9	X	47.39267	134.34710	158.72951	11.39220	0.1068784	0.21009747	2.8023486	21	10 7.7	19.6
238726 2005 GK_{82}	15.2	X	324.56762	215.59601	308.36565	9.29457	0.1106499	0.17449899	3.1715685	21	—	—
238727 2005 GK_{86}	16.3	X	8.38580	203.30868	107.52242	3.27192	0.0541938	0.20266493	2.8704522	21	8 26.1	19.8
238728 2005 GU_{86}	15.8	X	141.56839	245.03750	200.63177	10.00666	0.0920249	0.18679480	3.0308157	21	5 4.7	20.4
238729 2005 GZ_{87}	15.4	X	44.81954	189.48873	346.88592	8.15637	0.1400351	0.18646292	3.0344109	21	4 25.7	19.2
238730 2005 GT_{101}	15.8	X	2.38665	171.73352	26.53981	6.25245	0.1573338	0.18145776	3.0899564	21	3 16.1	19.4
238731 2005 GD_{105}	15.7	X	53.55314	101.31291	191.67446	14.52111	0.1520333	0.20340943	2.8634438	21	10 20.2	19.5
238732 2005 GO_{108}	16.2	X	6.40916	233.64057	61.48381	3.86867	0.1609375	0.19496005	2.9455901	21	8 6.5	19.3
238733 2005 GS_{110}	16.5	X	297.57292	56.24346	232.48251	0.36224	0.0627742	0.18312874	3.0711313	21	4 14.1	20.8
238734 2005 GN_{116}	15.6	X	329.02622	98.27311	214.06824	10.32386	0.0654635	0.19349715	2.9604178	21	6 26.3	19.5
238735 2005 GC_{118}	15.8	X	256.20977	161.04351	184.75522	8.90079	0.1431309	0.18834969	3.0141124	21	4 27.2	20.4
238736 2005 GT_{120}	16.5	X	93.86066	22.41137	249.60979	0.70792	0.0296330	0.21214633	2.7842766	21	10 26.2	20.3
238737 2005 GM_{121}	15.9	X	323.67614	96.14046	168.78067	3.22542	0.2517508	0.18072177	3.0983400	21	3 23.2	19.8
238738 2005 GY_{125}	16.3	X	349.20130	174.85236	142.09510	2.57708	0.0190793	0.20367100	2.8609916	21	8 4.5	19.9
238739 2005 GJ_{128}	15.3	X	333.27252	46.10444	130.46902	5.99771	0.1163114	0.17520216	3.1630769	21	1 6.4	19.4
238740 2005 GS_{130}	15.3	X	8.44670	62.45385	168.20323	23.32980	0.1157258	0.18473228	3.0533331	21	5 13.3	19.4
238741 2005 GX_{131}	15.6	X	237.63570	184.82775	191.06524	12.95820	0.1366109	0.19029718	2.9935130	21	5 15.9	20.4
238742 2005 GQ_{134}	16.6	X	345.10325	239.95592	18.17278	1.70308	0.0150800	0.18720690	3.0263662	21	5 13.2	20.8
238743 2005 GV_{134}	15.7	X	205.49503	140.41802	216.38827	9.42477	0.0731252	0.17947535	3.1126684	21	3 21.2	20.5
238744 2005 GB_{141}	15.3	X	7.32824	33.45658	216.83157	8.38664	0.0796845	0.18863165	3.0111081	21	6 2.7	19.1
238745 2005 GA_{144}	15.9	X	299.77149	292.79433	96.61077	7.26277	0.0769892	0.20069640	2.8891915	21	8 28.6	19.7
238746 2005 GG_{150}	16.2	X	355.41788	187.94901	109.99646	5.81978	0.2535147	0.19111879	2.9849275	21	7 16.5	18.5
238747 2005 GJ_{160}	16.1	X	107.12277	168.23784	59.14082	7.04179	0.0063578	0.20230699	2.8738370	21	9 15.8	20.1
238748 2005 GD_{164}	15.7	X	330.67138	284.47607	28.66342	10.68772	0.0968115	0.19272629	2.9683064	21	6 28.0	19.5
238749 2005 GZ_{171}	15.8	X	233.28362	337.68859	24.77433	10.25664	0.0364277	0.18612637	3.0380676	21	4 30.0	20.2
238750 2005 GL_{174}	15.9	X	293.71662	133.98847	188.97645	9.55674	0.0976669	0.18834831	3.0141271	21	5 19.0	20.1
238751 2005 GG_{225}	15.7	X	109.46164	188.95114	203.34747	4.49834	0.1592318	0.17145226	3.2090310	21	2 1.4	20.3
238752 2005 HF_{4}	15.2	X	111.47957	47.72041	50.71306	22.97471	0.0441349	0.18287272	3.0739969	21	4 16.9	19.7
238753 2005 HY_{7}	15.9	X	342.42743	124.47457	142.44781	8.64379	0.2072657	0.18506893	3.0496292	21	5 7.1	19.3
238754 2005 HN_{10}	16.7	X	4.07924	225.00024	64.49889	2.83567	0.0338909	0.19490093	2.9461857	21	7 20.3	20.5
238755 2005 JA_{1}	15.4	X	80.48159	307.62827	191.09121	10.63416	0.0327895	0.18210456	3.0826355	21	4 19.9	19.6
238756 2005 JY_{3}	16.0	X	153.27390	315.49331	196.03210	14.82662	0.0675257	0.20122078	2.8841698	21	8 2.5	20.6
238757 2005 JB_{15}	15.9	X	322.17464	332.40121	43.77621	2.66826	0.0498451	0.20629105	2.8367155	21	9 14.6	19.4
238758 2005 JK_{16}	16.0	X	283.45159	300.57092	133.89850	7.95266	0.1478094	0.21077629	2.7963286	21	9 24.6	19.5
238759 2005 JY_{20}	15.8	X	346.00377	197.32048	43.48821	9.83760	0.0276526	0.18256986	3.0773956	21	4 23.1	20.0
238760 2005 JP_{28}	15.8	X	254.64223	125.85053	197.96610	13.19576	0.0932187	0.17795574	3.1303631	21	4 2.9	20.5
238761 2005 JW_{54}	16.4	X	243.13974	325.14661	321.53034	0.32875	0.1357040	0.16977601	3.2301188	21	2 4.9	21.6
238762 2005 JK_{61}	16.0	X	331.11639	141.27508	140.65926	5.60518	0.1440262	0.18415655	3.0596936	21	5 13.9	19.8
238763 2005 JT_{68}	15.2	X	303.68677	202.26391	95.07098	13.45812	0.2428427	0.18228518	3.0805988	21	4 13.7	19.7
238764 2005 JV_{81}	16.3	X	111.79634	52.85300	134.79733	6.61075	0.0905087	0.19500488	2.9451385	21	8 7.1	20.5
238765 2005 JJ_{82}	16.1	X	64.53942	51.50673	197.10695	8.02400	0.1660524	0.19945712	2.9011467	21	9 5.9	20.1
238766 2005 JF_{85}	15.5	X	7.37754	113.21783	113.87168	3.66805	0.0932576	0.18373200	3.0644052	21	5 3.9	19.3
238767 2005 JV_{85}	15.9	X	76.41618	323.16694	218.93185	9.15379	0.0473332	0.18854771	3.0120017	21	6 10.1	20.1
238768 2005 JD_{87}	16.0	X	303.55782	196.49395	151.59478	2.47730	0.0407055	0.19832482	2.9121786	21	7 11.1	19.9
238769 2005 JL_{93}	15.5	X	6.52574	297.89611	262.97669	9.65271	0.1624542	0.18014672	3.1049299	21	3 19.6	19.2
238770 2005 JN_{93}	15.5	X	88.11551	304.98957	240.38812	9.72143	0.0390798	0.19072494	2.9890353	21	6 27.7	19.7
238771 Juhászbalázs	15.9	X	128.59192	18.08328	108.97303	9.16577	0.0533040	0.18857458	3.0117156	21	6 6.9	20.2
238772 2005 JZ_{94}	15.4	X	264.59386	278.08641	53.31573	10.27224	0.0727987	0.18301107	3.0724475	21	4 27.4	19.8
238773 2005 JO_{97}	15.8	X	266.60350	125.15995	166.07290	4.65759	0.1446646	0.17515525	3.1636416	21	3 2.8	20.6
238774 2005 JM_{106}	16.3	X	3.21885	41.82160	237.96126	4.63553	0.2550696	0.18895215	3.0077021	21	7 8.1	18.8
238775 2005 JV_{127}	15.4	X	346.76893	18.48442	207.14869	10.39432	0.0869086	0.17925042	3.1152717	21	3 28.9	19.4
238776 2005 JR_{136}	16.1	X	35.67789	179.22992	133.11468	7.62819	0.0971155	0.20450578	2.8532007	21	10 14.8	19.8
238777 2005 JO_{138}	15.7	X	105.60841	269.78044	195.02255	11.17430	0.0520108	0.17952833	3.1120559	21	4 11.5	20.0
238778 2005 JB_{139}	15.4	X	0.92905	19.80023	234.12013	9.24361	0.0566392	0.18609667	3.0383909	21	5 28.8	19.2
238779 2005 JF_{139}	15.6	X	358.76420	135.05561	157.41278	12.83405	0.2321567	0.18987191	2.9979812	21	7 15.5	18.5
238780 2005 JD_{145}	15.6	X	324.62584	261.05094	70.66361	11.69032	0.1255844	0.19070594	2.9892339	21	7 11.0	19.3
238781 2005 JD_{147}	15.7	X	54.38437	82.52741	119.49104	15.52916	0.0863547	0.18756356	3.0225285	21	6 13.2	19.8
238782 2005 JK_{147}	15.2	X	228.00282	148.54306	198.18001	22.97496	0.1679680	0.17497414	3.1658243	21	3 29.3	20.4
238783 2005 JA_{150}	15.6	X	275.21780	224.33573	106.87022	7.66452	0.1754235	0.18238436	3.0794818	21	4 27.9	20.2
238784 2005 JK_{151}	15.3	X	333.74373	131.90351	107.91039	16.99722	0.1534535	0.17818577	3.1276685	21	3 29.6	19.5
238785 2005 JE_{162}	15.8	X	19.40407	71.89644	94.14938	11.10225	0.1147925	0.17567533	3.1573946	21	3 9.2	19.8
238786 2005 JK_{162}	16.7	X	112.86708	205.15122	137.93984	5.73375	0.0686223	0.21847828	2.7302172	21	—	—
238787 2005 JX_{180}	15.5	X	178.82312	33.40474	44.30440	9.28126	0.0112426	0.18893862	3.0078458	21	5 30.6	19.8
238788 2005 KX_{3}	16.2	X	194.63643	328.87168	108.08282	3.57140	0.0581200	0.19133859	2.9826412	21	6 18.6	20.5
238789 2005 KA_{9}	15.9	X	353.62936	109.74084	129.63074	3.98630	0.1431032	0.18227031	3.0807663	21	4 25.3	19.5
238790 2005 KY_{9}	15.2	X	296.48035	246.00488	33.56405	17.14369	0.2074258	0.17725203	3.1386429	21	3 20.2	19.9
238791 2005 KZ_{11}	15.2	X	335.92631	349.27591	242.26824	17.39903	0.1652489	0.17708258	3.1406448	21	3 4.5	19.6
238792 2005 KU_{13}	15.5	X	297.67981	206.06406	94.54479	9.66489	0.1566896	0.18061707	3.0995372	21	4 20.5	19.9
238793 2005 KE_{14}	15.9	X	42.07486	213.00864	110.36825	13.09002	0.0530307	0.19699640	2.9252558	21	11 1.9	20.1
238794 2005 LO_{1}	15.7	X	219.67258	267.90814	131.35087	11.67926	0.1013530	0.18524679	3.0476769	21	5 30.2	20.5
238795 2005 LK_{4}	15.3	X	28.11966	356.43972	190.33986	9.16722	0.0253853	0.18044080	3.1015555	21	4 10.6	19.4
238796 2005 LF_{10}	15.9	X	345.55287	212.18559	88.79771	8.91931	0.1734221	0.18916101	3.0054877	21	7 1.2	19.1
238797 2005 LM_{21}	15.5	X	279.29196	299.37493	58.67551	5.33912	0.0111160	0.19001990	2.9964244	21	6 26.0	19.6
238798 2005 LZ_{21}	15.6	X	14.10180	128.80945	164.07013	7.89027	0.3016358	0.19070109	2.9892846	21	9 2.4	18.2
238799 2005 LU_{22}	15.3	X	269.93377	182.69979	113.84318	7.35822	0.1211084	0.17040617	3.2221506	21	3 18.9	20.1
238800 2005 LL_{27}	16.7	X	30.85954	133.43913	161.75251	6.59476	0.2210185	0.19590150	2.9361453	21	9 29.7	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
238801 2005 LF_{36}	15.4	X	150.56431	37.47131	66.43225	8.12080	0.0199025	0.18734663	3.0248613	21	5 30.5	19.6
238802 2005 LB_{38}	15.7	X	306.58939	158.91610	126.39729	7.60618	0.0996890	0.18024368	3.1038163	21	4 20.1	20.0
238803 2005 LB_{53}	14.9	X	22.08536	67.28363	86.59886	23.85846	0.0952455	0.17362851	3.1821601	21	3 2.9	19.4
238804 2005 LH_{53}	14.8	X	45.93425	152.19501	151.64512	3.49739	0.2222010	0.12545218	3.9520027	21	10 22.8	20.1
238805 2005 LZ_{53}	16.2	X	269.75178	193.85416	87.93311	2.36435	0.1098324	0.16813830	3.2510598	21	2 28.8	21.0
238806 2005 MQ_{1}	15.0	X	286.26913	234.73004	72.70018	23.37458	0.1859170	0.17499528	3.1655693	21	4 19.0	20.0
238807 2005 MQ_{7}	15.0	X	279.50808	198.92168	76.41719	15.87870	0.0794772	0.17410753	3.1763207	21	3 14.1	19.9
238808 2005 MS_{10}	15.6	X	39.97765	304.50330	233.23317	9.06598	0.1349094	0.18107011	3.0943650	21	4 21.5	19.3
238809 2005 MT_{13}	15.7	X	343.99769	99.26328	140.05054	10.56843	0.0821530	0.17987343	3.1080742	21	4 17.4	19.8
238810 2005 MY_{29}	16.0	X	284.31678	141.84428	254.37237	6.36920	0.0522308	0.18485426	3.0519898	21	8 12.7	20.3
238811 2005 NO_{20}	17.0	X	84.20234	243.29852	301.40502	17.64371	0.0784299	0.36782804	1.9291804	21	6 28.9	18.8
238812 2005 ND_{23}	15.0	X	308.37894	191.11285	130.34451	27.27830	0.1718689	0.17943156	3.1131747	21	6 2.4	19.6
238813 2005 NT_{70}	15.2	X	309.88134	203.05327	108.35024	15.60257	0.2620192	0.17668061	3.1454066	21	5 6.9	19.6
238814 2005 NU_{123}	16.1	X	303.06865	147.12546	152.51659	15.98294	0.1678851	0.17494995	3.1661161	21	4 25.5	20.7
238815 2005 OQ_{16}	17.3	X	65.39331	66.33414	148.41067	23.70955	0.0618676	0.36715208	1.9315475	21	7 12.2	19.5
238816 2005 PU_{9}	15.7	X	54.03361	107.81737	149.23738	9.52604	0.0910525	0.18495820	3.0508462	21	8 23.2	19.8
238817 Titeuf	15.9	X	341.01129	235.12603	128.69003	7.33252	0.2428367	0.18525992	3.0475328	21	9 21.5	18.7
238818 2005 PO_{23}	14.1	X	42.44074	261.86243	30.65413	8.49529	0.1191400	0.12422751	3.9779336	21	9 21.9	19.4
238819 2005 QL_{1}	14.3	X	12.13487	153.00047	168.79232	7.13955	0.1789452	0.12535789	3.9539842	21	9 15.4	18.8
238820 2005 QX_{4}	16.9	X	322.34190	291.94884	348.00917	18.35578	0.0628288	0.35926137	1.9597276	21	4 7.8	19.0
238821 2005 QJ_{9}	16.9	X	206.08848	6.02173	5.92338	5.34670	0.1757614	0.28760224	2.2730442	21	3 31.5	20.4
238822 2005 QQ_{60}	17.2	X	166.33745	157.81801	220.62986	3.02313	0.1908969	0.28188031	2.3037016	21	3 3.6	20.8
238823 2005 QK_{73}	15.8	X	356.25025	111.52136	214.86873	5.63250	0.2436014	0.18299952	3.0725768	21	8 28.6	18.7
238824 2005 QK_{90}	15.9	X	304.76683	188.00588	154.72184	2.62507	0.1362388	0.17765041	3.1339488	21	6 22.4	20.0
238825 2005 SH_{10}	15.8	X	181.58142	11.09445	53.56383	25.77427	0.2092204	0.28805737	2.2706492	21	5 16.6	19.3
238826 2005 SJ_{62}	15.6	X	337.97965	253.13143	24.37233	6.83534	0.2426648	0.17208946	3.2011047	21	5 5.1	19.2
238827 2005 SE_{85}	14.9	X	68.82877	103.07937	179.54144	1.46061	0.1784325	0.12481780	3.9653819	21	10 18.8	20.5
238828 2005 SU_{100}	17.5	X	117.04456	272.43860	256.96679	3.39434	0.0789918	0.29584416	2.2306292	21	7 20.7	20.3
238829 2005 SZ_{185}	14.2	X	37.81521	137.87160	170.95254	9.62477	0.2343559	0.12400847	3.9826165	21	10 19.8	19.3
238830 2005 TM_{13}	16.5	X	179.75484	54.71713	349.03741	5.70668	0.1876072	0.28268736	2.2993149	21	4 16.3	20.1
238831 2005 TZ_{61}	18.0	X	269.86264	298.95266	153.59733	2.35393	0.1027077	0.30704311	2.1760547	21	10 18.3	20.1
238832 2005 TG_{65}	17.8	X	98.28210	348.17371	126.23136	3.13033	0.1178825	0.28262958	2.2996283	21	4 14.2	20.4
238833 2005 TZ_{82}	17.1	X	230.99205	53.26978	322.64060	3.56464	0.0771266	0.28946240	2.2632956	21	5 3.9	20.2
238834 2005 TN_{134}	15.0	X	55.88586	101.89473	197.61901	2.58349	0.1987197	0.12411377	3.9803635	21	10 25.9	20.3
238835 2005 TX_{179}	16.8	X	145.27180	206.28603	235.55584	3.84168	0.1448165	0.28615279	2.2807135	21	4 30.4	19.9
238836 2005 TX_{190}	16.9	X	70.43618	291.99654	257.81776	4.62759	0.1223415	0.27797143	2.3252480	21	6 21.5	19.4
238837 2005 UH_{2}	17.8	X	311.53320	331.61832	54.96749	1.76835	0.1686623	0.30458341	2.1877543	21	9 11.6	19.3
238838 2005 UH_{9}	17.1	X	219.20877	24.69997	50.56432	8.95107	0.2129317	0.29486493	2.2355650	21	7 3.9	20.8
238839 2005 UE_{13}	17.4	X	76.14764	266.96751	220.78674	4.88612	0.1021392	0.27978938	2.3151647	21	3 24.0	19.9
238840 2005 UX_{29}	17.2	X	91.59890	63.06662	36.55796	6.00480	0.1060577	0.27588168	2.3369754	21	3 13.9	19.8
238841 2005 UY_{124}	17.5	X	83.90578	96.53692	352.98359	0.99029	0.1550704	0.27201046	2.3590962	21	2 20.6	19.8
238842 2005 UX_{147}	17.6	X	168.20933	149.41594	341.23943	2.28370	0.1235633	0.29334605	2.2432752	21	7 31.0	20.8
238843 2005 UM_{172}	17.6	X	156.05619	107.35421	45.60176	3.45666	0.0911989	0.29533422	2.2331961	21	8 18.0	20.6
238844 2005 US_{185}	17.7	X	322.19648	336.95398	56.27215	3.79335	0.0978240	0.30511817	2.1851974	21	10 21.8	19.6
238845 2005 UX_{196}	18.2	X	232.94793	232.46546	201.83500	3.00514	0.1533688	0.29644623	2.2276079	21	7 20.8	21.3
238846 2005 US_{220}	17.6	X	194.80844	240.22978	293.24370	3.05237	0.0853613	0.30751617	2.1738225	21	10 29.6	20.4
238847 2005 UR_{279}	14.6	X	211.80777	5.44879	186.78157	2.48588	0.1306802	0.12438200	3.9746391	21	11 13.3	20.5
238848 2005 UO_{456}	18.0	X	187.08396	114.93503	13.09504	3.08667	0.1657691	0.29591086	2.2302940	21	8 16.1	21.3
238849 2005 UH_{491}	15.1	X	305.52219	257.02140	48.30370	13.54216	0.2924632	0.17487583	3.1670107	21	4 15.9	19.6
238850 2005 UL_{530}	16.2	X	323.87821	212.70477	139.40242	6.13103	0.0846099	0.22313154	2.6921261	21	8 12.4	19.4
238851 2005 VS_{3}	16.6	X	259.54556	85.99571	248.83495	5.80011	0.2788748	0.28758445	2.2731379	21	3 23.7	20.5
238852 2005 VZ_{6}	16.8	X	132.37415	104.52833	348.29060	21.52086	0.2886482	0.28023890	2.3126883	21	5 6.3	21.0
238853 2005 VZ_{30}	16.6	X	337.50367	94.02617	66.28407	5.86927	0.2284746	0.26094277	2.4253395	21	—	—
238854 2005 VL_{86}	17.3	X	263.23862	11.22332	101.52435	6.35579	0.0944433	0.30555493	2.1831145	21	11 9.4	19.6
238855 2005 WN_{6}	17.2	X	104.08415	339.99167	60.37988	4.01814	0.1852544	0.26813623	2.3817658	21	1 21.5	19.7
238856 2005 WQ_{77}	17.3	X	122.53762	147.49627	63.95629	7.67337	0.0416230	0.29754735	2.2221088	21	9 28.1	20.1
238857 2005 WN_{87}	17.0	X	239.64241	3.27568	88.53836	6.55622	0.1195184	0.29514181	2.2341666	21	8 31.4	19.9
238858 2005 WV_{113}	17.5	X	219.37403	22.96959	37.86203	5.13374	0.1084548	0.29018841	2.2595191	21	6 20.9	20.7
238859 2005 WB_{116}	17.0	X	32.43830	268.56836	207.31451	3.11825	0.1890121	0.26390079	2.4071820	21	—	—
238860 2005 WJ_{125}	17.0	X	304.37789	25.12844	231.69014	4.25262	0.0646380	0.27908230	2.3190735	21	2 24.5	20.1
238861 2005 WL_{140}	17.2	X	96.95343	147.01469	88.84314	5.21377	0.0743009	0.29350192	2.2424809	21	9 30.9	20.1
238862 2005 WV_{150}	16.8	X	322.06294	154.13977	344.87512	3.24296	0.1368999	0.25526942	2.4611431	21	—	—
238863 2005 WK_{158}	17.0	X	34.75804	85.17926	83.43081	2.23172	0.1524422	0.26778111	2.3838711	21	3 17.9	18.8
238864 2005 WJ_{180}	17.5	X	215.33152	222.44338	211.87707	3.53561	0.1438817	0.29131481	2.2536909	21	7 2.5	20.8
238865 2005 XA_{6}	17.6	X	208.60114	282.97777	243.18151	3.44510	0.0522832	0.30549050	2.1834215	21	11 11.0	20.3
238866 2005 XP_{18}	17.5	X	156.46794	313.08158	102.65120	3.31855	0.2008096	0.27694928	2.3309658	21	4 15.1	21.2
238867 2005 XP_{20}	17.8	X	129.01673	168.04144	6.08819	2.84707	0.0807850	0.29140814	2.2532096	21	8 13.7	20.8
238868 2005 XQ_{26}	17.1	X	174.34520	38.19047	52.82689	3.27788	0.1654412	0.28396167	2.2924308	21	6 13.4	20.7
238869 2005 XB_{35}	17.3	X	134.94597	341.46291	114.51342	2.79681	0.1671021	0.27857382	2.3218947	21	5 12.3	20.6
238870 2005 XA_{37}	17.2	X	121.67495	162.13627	350.01728	1.78304	0.1650010	0.28221742	2.3018667	21	7 12.6	20.5
238871 2005 XS_{49}	16.9	X	57.47323	174.36301	47.98350	6.33603	0.1175894	0.28463527	2.2888126	21	7 20.9	19.4
238872 2005 XN_{56}	17.1	X	250.38451	39.76732	45.46084	8.00134	0.1037402	0.29738342	2.2229254	21	9 9.6	19.8
238873 2005 XN_{91}	17.6	X	59.10673	143.18969	26.61518	2.88863	0.0992154	0.27509204	2.3414454	21	4 28.7	19.8
238874 2005 YD_{5}	17.5	X	134.37913	115.16977	64.70180	4.23018	0.1502334	0.29106276	2.2549917	21	9 2.9	20.9
238875 2005 YT_{15}	17.7	X	55.57946	284.83211	227.56780	0.49109	0.1285170	0.26936036	2.3745442	21	3 31.4	19.9
238876 2005 YU_{24}	17.2	X	108.68732	203.21885	278.12760	1.72294	0.1665040	0.27547828	2.3392563	21	5 14.9	20.3
238877 2005 YP_{25}	17.3	X	26.37111	56.41585	119.16576	2.96494	0.1517795	0.26742310	2.3859982	21	3 10.7	19.2
238878 2005 YB_{27}	17.3	X	165.31846	39.34105	313.91969	4.36165	0.1528779	0.26561370	2.3968217	21	1 30.3	20.7
238879 2005 YP_{29}	17.7	X	250.18272	2.09662	94.19287	3.38648	0.0531474	0.30104517	2.2048630	21	10 1.9	20.2
238880 2005 YE_{32}	17.3	X	63.85699	169.42765	330.59606	1.81687	0.1412144	0.26876301	2.3780613	21	3 29.3	19.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
238881 2005 YM_{40}	17.1	X	336.15867	172.27169	325.34018	2.65669	0.1036497	0.25485554	2.4638069	21	—	—
238882 2005 YY_{42}	16.1	X	158.45439	334.14406	285.89917	12.44817	0.2396478	0.24139126	2.5545928	21	12 25.2	20.5
238883 2005 YK_{43}	17.9	X	73.53258	279.56729	206.38674	1.46635	0.1466223	0.26936379	2.3745240	21	3 26.8	20.4
238884 2005 YV_{48}	17.5	X	70.65735	94.94166	95.80792	3.59178	0.1261491	0.27737692	2.3285693	21	6 24.0	20.1
238885 2005 YC_{51}	16.7	X	38.97358	144.00618	111.45685	6.88505	0.0856737	0.28486019	2.2876077	21	8 3.6	19.1
238886 2005 YB_{64}	17.3	X	98.64791	267.05458	87.78060	3.15416	0.1949154	0.31911344	2.1208306	21	—	—
238887 2005 YB_{66}	17.6	X	126.68572	73.39245	40.27064	3.17336	0.1560349	0.27705719	2.3303604	21	5 24.6	20.9
238888 2005 YR_{71}	17.4	X	235.14168	56.76491	28.85232	4.00269	0.1011564	0.29355899	2.2421903	21	8 17.7	20.2
238889 2005 YS_{72}	17.0	X	78.61094	145.71588	83.67399	6.82917	0.0943835	0.28940284	2.2636061	21	8 31.1	19.8
238890 2005 YG_{86}	17.4	X	55.02318	111.05598	79.67801	1.32011	0.1402755	0.27598251	2.3364062	21	5 30.3	19.5
238891 2005 YT_{91}	17.5	X	113.70659	342.85949	152.62453	2.45063	0.1645297	0.27722071	2.3294440	21	6 10.3	20.6
238892 2005 YB_{94}	16.9	X	89.61662	174.34059	346.32834	5.89207	0.1228745	0.27761652	2.3272293	21	6 6.7	19.7
238893 2005 YE_{94}	17.3	X	203.77016	21.51068	55.14273	4.98415	0.1877793	0.28636253	2.2795997	21	6 22.1	20.9
238894 2005 YZ_{118}	17.0	X	103.63067	55.76298	114.34901	6.07077	0.0960122	0.28250606	2.3002986	21	7 6.6	19.7
238895 2005 YU_{123}	17.1	X	172.47056	41.01473	28.37112	6.10323	0.1645593	0.28041972	2.3116940	21	5 13.1	20.7
238896 2005 YH_{138}	17.7	X	58.08160	157.84429	75.89455	3.44413	0.1218404	0.28394803	2.2925042	21	8 8.8	20.1
238897 2005 YX_{150}	17.8	X	131.00052	86.40784	342.75104	2.03162	0.2098727	0.27254375	2.3560178	21	4 6.0	21.0
238898 2005 YM_{153}	17.2	X	142.25379	62.00485	67.29243	5.91298	0.0989334	0.28227477	2.3015549	21	6 27.9	20.3
238899 2005 YY_{154}	17.6	X	93.40404	115.37998	22.41777	2.90611	0.1300606	0.27397064	2.3478303	21	5 11.6	20.4
238900 2005 YT_{163}	17.3	X	355.64652	286.42574	122.39757	3.24938	0.0730941	0.31005586	2.1619356	21	—	—
238901 2005 YP_{172}	15.9	X	303.30275	61.94100	19.55162	13.15478	0.1432667	0.24062430	2.5600183	21	11 5.9	18.6
238902 2005 YO_{184}	17.4	X	153.03551	314.42646	166.88520	4.01935	0.0940280	0.28315643	2.2967749	21	6 28.9	20.6
238903 2005 YA_{185}	16.5	X	16.18524	238.46767	178.40861	5.27501	0.1638314	0.25029754	2.4936280	21	—	—
238904 2005 YH_{187}	17.6	X	127.79306	331.64998	109.73518	1.31316	0.1710692	0.27373708	2.3491656	21	4 15.2	20.9
238905 2005 YE_{192}	17.6	X	114.89326	18.81427	85.04484	3.65797	0.1302287	0.27256550	2.3558924	21	4 25.3	20.7
238906 2005 YA_{193}	16.9	X	16.59955	319.57915	302.97521	5.70963	0.1269224	0.28034775	2.3120896	21	7 7.4	18.7
238907 2005 YD_{205}	16.9	X	80.33001	133.45485	107.84551	4.69784	0.1316856	0.28885271	2.2664793	21	9 23.9	19.8
238908 2005 YT_{227}	17.9	X	50.03985	22.86484	155.37447	2.80859	0.1034095	0.27371371	2.3492993	21	4 27.6	20.1
238909 2005 YH_{269}	16.6	X	20.86031	72.88664	136.85254	7.05470	0.0731816	0.27002547	2.3706434	21	4 23.9	19.2
238910 2005 YN_{269}	16.7	X	220.78061	18.78874	141.54795	10.97820	0.1926115	0.23194945	2.6234562	21	10 25.9	20.9
238911 2006 AJ_{6}	16.8	X	97.93919	328.95383	150.54771	7.53728	0.1100482	0.27454589	2.3445496	21	4 22.1	19.6
238912 2006 AB_{9}	16.3	X	352.91747	132.25035	28.51965	11.75445	0.1744137	0.25710952	2.4493863	21	—	—
238913 2006 AE_{9}	16.5	X	141.53042	344.31221	128.79759	8.87235	0.1531953	0.27789188	2.3256917	21	6 10.6	20.0
238914 2006 AR_{12}	17.2	X	11.73791	170.61154	281.06911	4.09291	0.0782053	0.25451176	2.4660250	21	—	—
238915 2006 AA_{15}	17.1	X	81.38844	17.81917	131.06784	4.30745	0.0814741	0.27306180	2.3530370	21	5 4.0	19.8
238916 2006 AE_{16}	18.0	X	73.96343	56.95384	139.36623	2.73588	0.1491506	0.27870133	2.3211864	21	7 11.4	20.6
238917 2006 AR_{24}	17.4	X	56.10899	252.85436	306.10384	2.69094	0.1392429	0.27802697	2.3249383	21	6 13.9	19.8
238918 2006 AW_{26}	17.6	X	261.24051	44.14971	3.97021	1.35458	0.1441853	0.29225136	2.2488735	21	7 21.1	20.3
238919 2006 AD_{29}	17.2	X	89.58155	142.78776	331.61821	2.51548	0.1493760	0.26848586	2.3796976	21	4 5.4	20.0
238920 2006 AJ_{37}	17.3	X	344.45306	233.16061	0.13886	1.11907	0.1427811	0.26839466	2.3802366	21	3 15.3	19.8
238921 2006 AQ_{37}	15.9	X	148.52320	346.66549	304.18793	13.66029	0.1888107	0.24590392	2.5232431	21	—	—
238922 2006 AR_{41}	17.0	X	138.93189	320.59772	146.83107	3.68516	0.0939013	0.27741247	2.3283704	21	5 24.9	20.2
238923 2006 AG_{43}	17.5	X	56.30907	21.50217	194.22138	1.84652	0.1610934	0.27766088	2.3269815	21	7 14.1	20.0
238924 2006 AN_{57}	16.7	X	20.67791	144.34497	85.43512	7.51443	0.0579039	0.27886280	2.3202903	21	5 20.9	19.1
238925 2006 AQ_{59}	17.4	X	58.47469	73.80107	117.11238	1.22938	0.1586832	0.27603424	2.3361142	21	6 9.2	19.6
238926 2006 AT_{76}	16.7	X	75.63714	73.06017	135.99307	7.45025	0.0476366	0.28109606	2.3079845	21	7 15.2	19.3
238927 2006 AX_{82}	17.3	X	123.01005	303.68213	199.89173	3.29657	0.1580537	0.27967792	2.3157798	21	6 30.9	20.6
238928 2006 AQ_{83}	16.6	X	303.42435	331.06361	114.86843	18.02537	0.1511564	0.24040693	2.5615612	21	11 22.1	19.6
238929 2006 AZ_{83}	17.2	X	44.50588	134.31989	41.72958	2.86012	0.1015542	0.26973344	2.3723541	21	4 13.8	19.6
238930 2006 AY_{84}	17.0	X	34.02584	95.99327	90.33282	6.07260	0.1769094	0.26717293	2.3874873	21	4 17.5	18.9
238931 2006 AZ_{85}	16.5	X	37.97609	151.07344	15.04793	2.93145	0.1196203	0.26645675	2.3917635	21	3 18.9	18.5
238932 2006 AF_{90}	17.0	X	85.05609	213.33288	104.78938	2.80188	0.1062832	0.31133555	2.1560073	21	—	—
238933 2006 AP_{96}	17.1	X	46.63571	357.87204	157.14669	5.43975	0.1555624	0.26665634	2.3905698	21	3 22.2	19.1
238934 2006 AU_{100}	17.5	X	330.31329	63.60009	190.88378	1.38508	0.2081183	0.26389861	2.4071952	21	3 11.8	20.1
238935 2006 AW_{100}	17.3	X	129.65690	325.58820	149.99065	4.55264	0.0605581	0.27456712	2.3444287	21	5 20.9	20.3
238936 2006 BE_{6}	16.7	X	32.26606	328.62085	156.51068	7.95827	0.0674366	0.25917724	2.4363414	21	1 9.5	19.5
238937 2006 BY_{6}	17.7	X	88.22542	202.87207	301.24206	0.85901	0.1226590	0.27292171	2.3538421	21	5 12.2	20.4
238938 2006 BH_{11}	16.7	X	7.04872	84.02604	124.61522	5.77831	0.1755828	0.26595828	2.3947511	21	3 21.0	18.7
238939 2006 BJ_{13}	17.0	X	108.43802	315.26770	184.82689	4.65748	0.1783760	0.27643492	2.3338563	21	6 12.3	20.2
238940 2006 BC_{17}	16.7	X	50.71823	114.72078	116.18730	7.64764	0.0598467	0.28070887	2.3101063	21	7 11.4	19.2
238941 2006 BJ_{17}	17.5	X	45.81218	289.09433	276.34517	1.23127	0.0755447	0.27606438	2.3359442	21	5 27.2	19.7
238942 2006 BU_{17}	17.9	X	120.79703	306.05125	153.40307	1.36664	0.1467287	0.27348836	2.3505896	21	4 28.1	20.8
238943 2006 BV_{19}	16.3	X	20.54207	25.86342	144.97953	6.83364	0.0815101	0.26458418	2.4030352	21	2 22.9	18.9
238944 2006 BD_{24}	17.5	X	350.47394	23.06303	185.82777	1.21432	0.1281235	0.26567404	2.3964588	21	2 20.4	20.0
238945 2006 BT_{25}	16.7	X	82.16575	156.28497	14.84670	7.30269	0.0402695	0.27536094	2.3399208	21	5 27.1	19.5
238946 2006 BE_{26}	17.0	X	32.76550	348.74773	152.43102	3.26668	0.1388429	0.26227352	2.4171286	21	1 29.9	19.1
238947 2006 BT_{33}	16.8	X	120.35415	330.77312	138.11158	7.54514	0.0535518	0.26968593	2.3726328	21	4 30.2	19.9
238948 2006 BA_{38}	17.3	X	100.87665	62.28655	45.52250	1.92232	0.1302938	0.26841751	2.3801016	21	4 11.2	20.1
238949 2006 BL_{43}	17.0	X	72.78048	63.10533	75.96276	3.99699	0.1237839	0.26833060	2.3806154	21	4 12.9	19.5
238950 2006 BD_{44}	17.2	X	48.25519	166.98400	16.62704	1.63068	0.1156846	0.26980475	2.3719361	21	5 2.9	19.5
238951 2006 BW_{53}	17.2	X	318.96088	248.79157	0.41520	1.72481	0.1659464	0.26186137	2.4196641	21	2 23.7	20.3
238952 2006 BS_{60}	16.8	X	351.63526	158.28187	128.53750	3.01814	0.2036634	0.27465184	2.3439466	21	6 18.4	18.2
238953 2006 BG_{68}	16.9	X	11.68625	127.52748	115.80995	5.40760	0.1195810	0.27526006	2.3404925	21	5 26.7	19.0
238954 2006 BJ_{80}	16.4	X	187.67188	68.56509	120.32966	8.37032	0.0863230	0.23019643	2.6367584	21	11 4.8	20.4
238955 2006 BC_{81}	16.8	X	272.79142	224.96139	82.06635	3.22830	0.2108044	0.26463837	2.4027072	21	3 12.9	20.4
238956 2006 BD_{83}	16.5	X	45.70489	200.31572	293.18134	5.25378	0.0700762	0.26364593	2.4087330	21	2 9.9	19.1
238957 2006 BB_{90}	17.0	X	24.81904	92.19367	128.50909	7.40889	0.0661331	0.27326101	2.3518932	21	5 16.4	19.6
238958 2006 BF_{94}	17.2	X	331.69279	82.51331	184.31260	2.26467	0.1604240	0.26863439	2.3788203	21	4 9.1	19.5
238959 2006 BK_{94}	17.7	X	71.65260	278.88445	202.26951	1.47302	0.1798995	0.26529831	2.3987209	21	3 22.3	19.9
238960 2006 BS_{100}	16.4	X	78.11958	16.35227	86.80690	8.47346	0.0520686	0.26123189	2.4235497	21	2 22.4	19.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
238961 2006 BC_{102}	17.3	X	338.70040	52.36991	170.76664	2.70782	0.1562469	0.26314790	2.4117713	21	2 17.4	19.8
238962 2006 BB_{103}	17.2	X	17.28516	249.85100	280.13014	1.89280	0.2078583	0.26212361	2.4180501	21	2 4.7	19.2
238963 2006 BJ_{115}	16.8	X	15.35246	153.11521	162.48773	4.91642	0.1672930	0.28779041	2.2720533	21	10 7.6	18.7
238964 2006 BJ_{117}	16.9	X	357.10957	101.68055	149.14587	5.15736	0.0930418	0.27166699	2.3610842	21	5 11.7	19.3
238965 2006 BK_{125}	16.1	X	322.04835	223.91940	147.07639	11.04503	0.1512580	0.22539298	2.6740886	21	8 31.2	18.9
238966 2006 BB_{127}	17.8	X	133.24646	177.56309	255.05126	0.61193	0.1586875	0.26891078	2.3771901	21	4 7.7	20.9
238967 2006 BN_{130}	17.1	X	311.46482	165.57395	163.07959	6.83435	0.1353705	0.27753267	2.3276980	21	6 11.1	19.7
238968 2006 BH_{142}	17.3	X	153.56078	67.01026	351.52024	2.00140	0.1899647	0.27059591	2.3673105	21	4 13.3	21.0
238969 2006 BE_{148}	16.3	X	267.42048	269.49980	143.52300	13.09797	0.1904066	0.22641087	2.6660679	21	7 26.3	20.0
238970 2006 BU_{151}	17.0	X	24.87017	73.24419	95.00363	3.00432	0.1585496	0.26381958	2.4076760	21	2 24.7	19.1
238971 2006 BK_{154}	17.1	X	76.19757	60.05412	119.60174	4.16631	0.1030911	0.27413725	2.3468789	21	6 12.5	19.8
238972 2006 BN_{154}	16.2	X	313.54270	214.72163	130.80499	6.32698	0.0767275	0.21881682	2.7274005	21	7 17.8	19.5
238973 2006 BW_{156}	17.2	X	327.47590	241.08914	23.72595	2.40466	0.1722015	0.26610497	2.3938709	21	3 28.5	19.6
238974 2006 BN_{157}	16.7	X	38.42680	104.68481	139.79088	6.78473	0.0578014	0.27718649	2.3296357	21	7 11.2	19.3
238975 2006 BE_{163}	16.9	X	28.21291	173.20242	135.50040	6.44342	0.1514454	0.29007883	2.2600881	21	10 19.9	19.2
238976 2006 BX_{164}	16.9	X	272.04361	317.54950	150.56190	3.00544	0.0510816	0.23305981	2.6151170	21	11 7.6	20.2
238977 2006 BL_{180}	17.5	X	72.64423	63.65725	127.78993	6.99519	0.0992087	0.27625772	2.3348542	21	6 23.7	20.2
238978 2006 BO_{189}	17.5	X	5.13430	75.25606	82.98207	3.51911	0.1442275	0.25716582	2.4490287	21	1 4.8	20.1
238979 2006 BT_{189}	16.9	X	315.78294	274.48230	19.53958	4.73928	0.2119994	0.26945549	2.3739853	21	4 13.2	19.6
238980 2006 BL_{195}	17.1	X	10.72815	118.84951	161.94419	6.94960	0.1282794	0.27985033	2.3148286	21	7 23.7	19.3
238981 2006 BZ_{205}	17.6	X	330.87125	26.80624	166.99981	2.28940	0.1530670	0.25852923	2.4404108	21	—	—
238982 2006 BG_{208}	17.0	X	59.08581	306.14477	182.41585	5.10403	0.1282469	0.26385308	2.4074721	21	3 2.3	19.3
238983 2006 BT_{211}	17.0	X	280.87092	171.71888	105.75229	2.34019	0.1692631	0.26009331	2.4306173	21	2 15.5	20.4
238984 2006 BZ_{216}	16.3	X	254.30300	345.75910	113.23013	15.97990	0.2284774	0.23063671	2.6334016	21	9 10.5	20.3
238985 2006 BY_{225}	17.1	X	324.70594	148.51755	160.73018	3.81199	0.1054617	0.27750767	2.3278378	21	6 8.9	19.4
238986 2006 BS_{226}	16.6	X	93.64583	277.33184	315.61711	4.23483	0.1063269	0.22045050	2.7139092	21	9 15.2	20.4
238987 2006 BO_{227}	16.3	X	45.46665	156.17087	140.28902	2.78998	0.0296345	0.22399284	2.6852206	21	9 28.1	19.8
238988 2006 BV_{238}	16.8	X	359.59188	252.47390	138.29196	10.08615	0.1335980	0.24270091	2.5453946	21	12 13.6	19.7
238989 2006 BD_{248}	17.0	X	307.66621	113.56289	329.91326	12.58142	0.1639908	0.23830021	2.5766362	21	11 12.8	19.9
238990 2006 BH_{252}	17.1	X	295.92560	295.09886	331.74152	2.13586	0.1716029	0.26248356	2.4158389	21	2 17.0	20.3
238991 2006 BB_{253}	17.5	X	283.65790	313.13391	155.43694	1.52870	0.1799009	0.23807359	2.5782710	21	11 7.7	20.3
238992 2006 BH_{260}	16.7	X	294.42698	283.31908	359.62055	3.28727	0.1178289	0.26571363	2.3962208	21	3 15.3	19.9
238993 2006 BK_{263}	17.5	X	39.78425	59.87400	95.74538	2.55729	0.0852347	0.26319007	2.4115136	21	3 7.0	19.9
238994 2006 BF_{266}	16.6	X	324.38267	105.57254	39.60411	5.33806	0.1539206	0.24228246	2.5483245	21	—	—
238995 2006 BK_{266}	16.3	X	174.70774	217.74115	50.70573	6.56907	0.1774363	0.23175075	2.6249555	21	—	—
238996 2006 BO_{274}	17.0	X	272.13824	153.65288	166.23149	4.23633	0.1539537	0.26758352	2.3850444	21	4 2.6	20.4
238997 2006 CQ_{7}	17.2	X	211.61509	120.35870	256.71922	1.38695	0.0778211	0.27043697	2.3682380	21	4 15.0	20.6
238998 2006 CG_{36}	16.6	X	338.58457	278.27280	344.13286	4.49553	0.1212254	0.27149697	2.3620698	21	4 18.1	19.0
238999 2006 CJ_{41}	17.2	X	46.29301	269.99303	207.43968	2.50273	0.1487162	0.25906334	2.4370555	21	1 22.2	19.4
239000 2006 CB_{44}	16.2	X	227.81513	133.46928	53.46640	12.83379	0.1474422	0.23093249	2.6311525	21	12 5.1	19.9
239001 2006 CG_{49}	17.2	X	63.02645	339.30720	207.67805	3.21665	0.0859932	0.27535676	2.3399445	21	5 30.4	19.7
239002 2006 CL_{50}	16.3	X	286.34395	122.43634	169.00623	7.08507	0.0936829	0.26555588	2.3971696	21	3 20.4	19.3
239003 2006 CX_{61}	17.3	X	357.53364	194.63380	10.21957	3.22401	0.1144659	0.26406154	2.4062049	21	3 2.2	19.7
239004 2006 DT_{5}	16.2	X	8.99090	190.99777	154.81659	9.41662	0.2191587	0.23012172	2.6373290	21	11 7.9	19.0
239005 2006 DY_{5}	16.7	X	14.97242	183.16671	60.72073	3.39799	0.1395161	0.27223108	2.3578214	21	6 2.6	18.7
239006 2006 DH_{8}	16.1	X	124.12586	333.16540	173.98411	25.69576	0.0980447	0.27444073	2.3451485	21	6 30.6	20.0
239007 2006 DA_{21}	16.5	X	300.52856	306.11587	333.85515	3.10012	0.1627965	0.26331707	2.4107381	21	3 12.1	19.6
239008 2006 DW_{21}	16.6	X	279.49380	217.63364	65.02071	2.32402	0.1766802	0.26063163	2.4272694	21	2 20.2	20.1
239009 2006 DW_{22}	16.3	X	311.23987	182.44595	137.37131	5.11832	0.0578827	0.21103464	2.7940460	21	6 12.1	20.0
239010 2006 DE_{24}	17.4	X	319.35952	186.29897	148.83757	7.61696	0.1501994	0.27958622	2.3162862	21	7 2.4	19.7
239011 2006 DC_{26}	16.6	X	315.66518	278.85398	151.81300	5.07336	0.0863985	0.23679607	2.5875360	21	11 20.5	19.6
239012 2006 DZ_{47}	16.9	X	324.77897	325.75287	327.35903	2.35412	0.2010370	0.27172839	2.3607285	21	4 27.6	19.2
239013 2006 DH_{48}	17.5	X	333.43657	277.57879	330.70614	1.77108	0.1508363	0.26526720	2.3989085	21	3 17.1	19.8
239014 2006 DW_{52}	16.4	X	298.07006	322.48799	260.01484	10.00037	0.2348595	0.25435200	2.4670575	21	—	—
239015 2006 DE_{70}	16.8	X	232.34956	239.56993	13.97489	3.56388	0.1773940	0.24404859	2.5360152	21	—	—
239016 2006 DA_{73}	16.9	X	24.95502	180.98816	72.88467	4.49243	0.1296950	0.27636911	2.3342268	21	7 10.8	19.0
239017 2006 DV_{81}	17.0	X	353.51159	86.64259	355.09647	3.78603	0.0349555	0.24096721	2.5575890	21	—	—
239018 2006 DC_{82}	16.8	X	347.18533	171.75796	165.70551	6.38796	0.1355118	0.28378923	2.2933593	21	9 7.3	18.5
239019 2006 DK_{94}	17.2	X	158.43746	309.24688	25.50324	1.98362	0.1440452	0.24649720	2.5191927	21	1 2.7	20.8
239020 2006 DR_{102}	16.6	X	72.45115	17.92591	179.45325	6.23952	0.0409550	0.27489825	2.3425457	21	6 22.2	19.5
239021 2006 DH_{104}	17.2	X	85.07744	228.73714	191.76449	3.79564	0.1658140	0.25564484	2.4587329	21	1 16.6	19.6
239022 2006 DD_{107}	16.9	X	282.68553	332.19203	328.14607	3.79154	0.1916305	0.26250693	2.4156956	21	3 13.9	20.5
239023 2006 DC_{108}	16.5	X	243.52161	231.54864	185.89532	5.01132	0.1055649	0.21663073	2.7457185	21	7 14.4	20.6
239024 2006 DC_{110}	15.9	X	38.38323	229.72353	14.97721	8.92260	0.1519469	0.21027874	2.8007379	21	7 26.6	19.3
239025 2006 DF_{110}	16.4	X	129.44484	342.75030	358.27009	10.59349	0.1325872	0.24284262	2.5444042	21	—	—
239026 2006 DX_{113}	16.4	X	194.07300	355.80239	151.74501	4.86472	0.0118384	0.22297304	2.6934018	21	9 22.6	20.1
239027 2006 DN_{116}	15.9	X	134.75914	139.74831	21.46469	8.23782	0.1490820	0.21363762	2.7713044	21	8 7.4	20.3
239028 2006 DY_{120}	17.0	X	73.11052	96.28746	35.75508	6.24635	0.0814668	0.26688444	2.3892076	21	3 28.3	19.6
239029 2006 DO_{121}	16.9	X	130.35090	36.13753	44.84580	7.37738	0.0890716	0.26839092	2.3802588	21	4 8.9	19.9
239030 2006 DP_{123}	17.4	X	303.53813	111.56791	196.14084	1.83775	0.1991554	0.26979072	2.3720184	21	4 17.3	20.1
239031 2006 DT_{126}	17.1	X	345.37131	24.48145	208.06233	2.22050	0.1630411	0.26477666	2.4018705	21	3 12.5	19.5
239032 2006 DM_{134}	16.9	X	298.25015	155.69163	113.87415	3.65978	0.2058120	0.26100241	2.4249700	21	2 19.9	20.3
239033 2006 DY_{138}	17.4	X	309.50083	219.19643	77.93561	3.75386	0.2021587	0.26767854	2.3844800	21	4 12.3	20.2
239034 2006 DO_{139}	15.8	X	33.22896	143.58466	151.20842	13.59154	0.1447977	0.21843473	2.7305801	21	9 25.9	19.1
239035 2006 DZ_{145}	16.3	X	110.58356	334.17076	359.83581	2.98039	0.1738800	0.24100976	2.5572880	21	—	—
239036 2006 DS_{147}	17.1	X	180.45060	73.05706	189.79757	2.34514	0.1442255	0.23803316	2.5785630	21	—	—
239037 2006 DH_{148}	16.9	X	296.18425	65.87356	223.03033	0.70165	0.2028113	0.26217194	2.4177529	21	3 13.5	20.2
239038 2006 DZ_{160}	17.5	X	304.60598	98.27625	185.90478	0.61512	0.1687581	0.26501586	2.4004250	21	3 22.4	20.5
239039 2006 DK_{175}	17.3	X	343.24408	351.49014	189.15080	2.46696	0.1417496	0.25681560	2.4512547	21	1 1.0	20.2
239040 2006 DJ_{187}	17.4	X	261.35108	196.55635	94.46607	2.37492	0.1771596	0.25628112	2.4546617	21	2 13.1	21.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
239041 2006 DO_{190}	16.7	X	296.93975	100.15387	158.85904	7.06899	0.0879074	0.25799574	2.4437739	21	2 19.7	19.9
239042 2006 DB_{193}	17.2	X	294.28542	130.04085	151.64728	2.50242	0.1822758	0.25948100	2.4344396	21	3 5.6	20.6
239043 2006 DH_{198}	16.1	X	302.33106	156.44705	107.09066	13.31381	0.2151703	0.25850108	2.4405880	21	2 18.0	19.6
239044 2006 DX_{201}	16.4	X	10.33692	215.17950	24.67848	13.28232	0.1499614	0.27109653	2.3643952	21	5 12.6	18.5
239045 2006 DV_{202}	16.7	X	17.00660	151.89158	115.55539	9.00922	0.1343186	0.27773542	2.3265651	21	7 16.5	18.5
239046 Judysyd	16.6	X	6.22662	109.00343	33.66293	9.19453	0.0379455	0.25756767	2.4464808	21	—	—
239047 2006 DO_{214}	17.2	X	318.31680	162.27394	128.29194	2.70135	0.2114635	0.26787572	2.3833097	21	4 14.1	19.9
239048 2006 EV_{16}	16.7	X	251.90620	222.63576	98.06234	2.56644	0.1902857	0.25979504	2.4324774	21	3 12.1	20.5
239049 2006 ET_{37}	16.7	X	22.48952	23.83686	190.17121	3.92678	0.1649325	0.26976647	2.3721605	21	5 2.8	18.5
239050 2006 ED_{41}	16.8	X	233.45187	118.69074	188.95852	8.35456	0.2020924	0.25412815	2.4685061	21	2 5.3	21.0
239051 2006 EU_{41}	15.7	X	169.89054	275.70265	353.99710	25.20246	0.2374415	0.23386463	2.6091138	21	—	—
239052 2006 EF_{46}	17.7	X	88.00288	149.31548	321.42614	2.83572	0.1347866	0.26733608	2.3865159	21	3 26.2	20.5
239053 2006 EX_{48}	17.2	X	319.99107	232.07337	109.12050	3.83578	0.2377105	0.28075534	2.3098513	21	6 28.5	18.9
239054 2006 EU_{51}	17.0	X	155.40851	195.68282	117.11468	3.05775	0.1097171	0.24498426	2.5295539	21	—	—
239055 2006 EH_{53}	14.8	X	170.87829	196.12636	74.04853	34.46365	0.1705465	0.23041016	2.6351275	21	—	—
239056 2006 EA_{60}	16.7	X	225.20492	208.13720	310.01727	2.22005	0.0707916	0.23031104	2.6358835	21	11 6.2	20.3
239057 2006 FO_{4}	16.5	X	187.09867	309.44879	186.25051	8.24407	0.2559759	0.22009645	2.7168189	21	8 17.3	21.4
239058 2006 FW_{9}	16.6	X	0.14255	221.86761	81.96900	0.50393	0.0520176	0.21388879	2.7691344	21	8 3.5	20.1
239059 2006 FA_{17}	16.6	X	236.63538	171.13394	173.33608	6.95237	0.1416080	0.25925915	2.4358282	21	3 30.1	20.2
239060 2006 FV_{24}	16.7	X	207.07082	72.58511	178.58186	3.31677	0.0408585	0.23917582	2.5703437	21	—	—
239061 2006 FF_{32}	17.2	X	172.62448	273.33771	6.55983	2.09528	0.1320095	0.23665182	2.5885873	21	—	—
239062 2006 FA_{37}	16.0	X	214.47442	67.35938	88.94172	14.17526	0.2095517	0.22694370	2.6618932	21	10 16.1	20.5
239063 2006 FW_{39}	17.3	X	73.47446	54.24111	49.25670	3.88423	0.1406302	0.25927596	2.4357229	21	2 25.4	19.7
239064 2006 FA_{42}	16.7	X	259.72329	45.16116	48.01996	5.77148	0.1369112	0.22212172	2.7002794	21	9 19.3	20.4
239065 2006 FD_{48}	16.5	X	299.02981	170.05805	96.46120	6.10397	0.2459826	0.25850533	2.4405612	21	2 13.1	20.1
239066 2006 FY_{49}	17.0	X	311.72031	126.27567	88.28368	3.66610	0.1389237	0.25269192	2.4778507	21	1 5.7	20.5
239067 2006 FC_{50}	15.9	X	199.67839	278.78799	148.03112	4.95147	0.0533705	0.21147635	2.7901540	21	6 11.5	20.0
239068 2006 FC_{53}	16.8	X	295.04416	115.28114	28.67875	3.88152	0.1062052	0.23736764	2.5833805	21	—	—
239069 2006 FY_{53}	17.0	X	334.09971	323.30941	167.28474	3.69164	0.1218973	0.24403199	2.5361302	21	—	—
239070 2006 FO_{54}	16.1	X	284.81510	304.92454	199.11796	14.63943	0.0735698	0.23426607	2.6061323	21	—	—
239071 Penghu	16.9	X	317.64699	97.32193	160.75585	5.12713	0.0801037	0.26139753	2.4225257	21	3 20.2	19.7
239072 2006 GL_{14}	16.6	X	41.45862	272.21944	80.26212	3.57398	0.0623349	0.22749584	2.6575845	21	12 8.9	20.1
239073 2006 GY_{14}	16.5	X	327.49739	197.88115	173.51034	6.28068	0.0005720	0.21828399	2.7318371	21	9 18.4	20.1
239074 2006 GG_{16}	16.7	X	118.58173	354.59395	50.12191	5.25775	0.1365052	0.25301692	2.4757285	21	2 13.9	19.9
239075 2006 GK_{19}	16.3	X	342.07436	293.80871	185.48137	7.31520	0.1690818	0.24347835	2.5399733	21	—	—
239076 2006 GF_{28}	16.3	X	27.11129	338.46513	119.69720	3.34869	0.0980020	0.24477731	2.5309794	21	—	—
239077 2006 GP_{31}	16.7	X	159.10229	255.56774	39.49068	3.67891	0.1774140	0.23355294	2.6114346	21	—	—
239078 2006 GX_{36}	16.3	X	29.04274	118.89751	61.40644	3.18785	0.0130508	0.19527625	2.9424094	21	4 2.2	20.3
239079 2006 GN_{40}	16.3	X	256.30537	4.78862	160.83023	6.14978	0.1958871	0.23516741	2.5994689	21	12 9.5	19.7
239080 2006 GB_{45}	17.1	X	283.15129	111.50511	197.24212	0.69329	0.1895469	0.26251810	2.4156270	21	3 26.5	20.6
239081 2006 GM_{49}	15.5	X	168.14862	296.24384	341.24602	12.12853	0.2513683	0.23074943	2.6325439	21	—	—
239082 2006 GG_{51}	16.1	X	168.17693	122.52169	133.38075	17.49551	0.1904132	0.23008568	2.6376044	21	12 28.7	20.7
239083 2006 GJ_{51}	16.4	X	248.49581	259.67180	336.83431	6.36636	0.2051617	0.24333464	2.5409733	21	—	—
239084 2006 GY_{52}	16.4	X	14.57128	27.92262	25.98403	3.31096	0.0384945	0.23392869	2.6086375	21	—	—
239085 2006 GZ_{53}	16.5	X	271.84118	358.82178	150.20521	2.29833	0.0676538	0.23309065	2.6148863	21	12 27.6	19.7
239086 2006 HO_{3}	16.0	X	249.39578	312.63366	203.51958	31.76839	0.2592719	0.23364292	2.6107641	21	11 8.5	19.8
239087 2006 HY_{10}	16.5	X	143.45366	127.07769	123.92338	5.86403	0.0993692	0.22623386	2.6674583	21	12 2.0	20.6
239088 2006 HW_{14}	16.8	X	120.03243	175.97673	196.65659	2.84635	0.1028067	0.24437706	2.5337422	21	—	—
239089 2006 HA_{19}	16.9	X	191.50273	129.75291	175.55887	5.33074	0.2514897	0.24216385	2.5491566	21	1 5.0	21.4
239090 2006 HJ_{19}	16.3	X	345.05840	352.32773	143.09379	4.34348	0.1183477	0.24479381	2.5308657	21	—	—
239091 2006 HA_{27}	16.5	X	182.61814	10.41464	186.17172	12.97133	0.1309062	0.22280603	2.6947476	21	11 4.1	20.8
239092 2006 HT_{35}	16.6	X	275.15686	118.67212	59.08201	5.71740	0.2406154	0.23828392	2.5767536	21	—	—
239093 2006 HP_{38}	16.7	X	248.97701	94.82328	59.21298	11.43632	0.2398974	0.23193592	2.6235583	21	11 8.6	20.3
239094 2006 HY_{38}	16.7	X	188.42998	179.39500	102.94003	4.93809	0.0805994	0.23808904	2.5781595	21	—	—
239095 2006 HE_{39}	16.6	X	72.92205	196.06818	114.70976	3.94757	0.0464867	0.22283373	2.6945243	21	11 23.4	20.2
239096 2006 HF_{44}	16.8	X	287.52880	280.92821	212.64437	5.68669	0.0896860	0.23172665	2.6251376	21	12 27.3	19.9
239097 2006 HR_{47}	16.1	X	124.12173	131.58727	67.35403	7.37821	0.0152056	0.21424488	2.7660652	21	9 2.6	20.0
239098 2006 HC_{48}	16.4	X	181.26553	124.55948	146.49555	4.37167	0.0727077	0.23607217	2.5928229	21	—	—
239099 2006 HX_{48}	16.0	X	156.91408	194.65733	103.54872	13.04200	0.0886438	0.23467118	2.6031321	21	—	—
239100 2006 HZ_{49}	16.7	X	82.15241	269.29408	74.52613	2.71886	0.1061064	0.23402321	2.6079350	21	—	—
239101 2006 HN_{53}	16.9	X	220.25022	58.98986	151.71672	3.27561	0.1310051	0.23418967	2.6066990	21	12 29.9	20.6
239102 2006 HU_{54}	15.6	X	283.15192	39.40346	68.31222	22.41462	0.0809576	0.22728159	2.6592544	21	11 19.6	19.0
239103 2006 HB_{56}	15.7	X	301.16302	214.54092	305.49283	13.02813	0.0892098	0.24098668	2.5574512	21	—	—
239104 2006 HN_{56}	17.0	X	252.56707	85.59753	138.88425	5.27444	0.1868715	0.24217857	2.5490532	21	—	—
239105 Marcocattaneo	16.2	X	197.70473	27.83243	258.94898	9.35154	0.0737453	0.24372003	2.5382939	21	—	—
239106 2006 HA_{58}	15.9	X	108.53474	194.65397	90.61082	10.01271	0.1078896	0.22345463	2.6895305	21	12 7.9	20.0
239107 2006 HH_{58}	16.6	X	352.99655	121.67402	126.41391	10.71488	0.2103950	0.26508646	2.3999987	21	4 21.2	18.8
239108 2006 HN_{75}	16.5	X	114.13362	80.46419	122.75525	8.94853	0.2161441	0.21199759	2.7855787	21	9 13.8	21.1
239109 2006 HL_{77}	16.0	X	113.36843	67.53201	186.59706	14.00053	0.1216187	0.21832167	2.7315227	21	11 6.9	20.3
239110 2006 HJ_{80}	16.3	X	312.92983	127.87804	205.39733	1.33827	0.1220611	0.20299636	2.8673269	21	6 23.8	19.9
239111 2006 HQ_{80}	16.0	X	328.25767	89.27279	226.49515	13.92979	0.1628765	0.20206835	2.8760991	21	6 18.7	19.4
239112 2006 HD_{81}	16.6	X	242.95522	49.65732	38.49788	5.89645	0.0603249	0.21436322	2.7650471	21	9 1.9	20.5
239113 2006 HY_{86}	16.8	X	352.77837	196.46490	120.77385	6.98964	0.0249506	0.20857615	2.8159587	21	8 11.0	20.5
239114 2006 HY_{89}	15.8	X	90.41275	177.33400	128.31172	13.86370	0.1218827	0.22452063	2.6810107	21	12 16.4	20.0
239115 2006 HR_{93}	16.0	X	254.69421	358.22811	173.93673	12.09218	0.0978160	0.23214415	2.6219892	21	12 28.8	19.6
239116 2006 HZ_{93}	15.6	X	263.22088	140.98939	127.76833	10.19524	0.0717607	0.18294396	3.0731989	21	2 7.9	20.0
239117 2006 HM_{94}	15.4	X	29.97441	227.88475	200.15107	19.29217	0.0760041	0.17115200	3.2127830	21	—	—
239118 2006 HD_{102}	16.8	X	110.49028	206.90123	99.19961	4.02257	0.0435769	0.22734195	2.6587836	21	12 31.5	20.6
239119 2006 HR_{103}	16.0	X	109.30761	147.84270	157.57443	14.35785	0.1592496	0.22457338	2.6805909	21	—	—
239120 2006 HH_{105}	15.8	X	265.28256	41.25061	174.09278	28.39056	0.0682361	0.24080785	2.5587172	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
239121 2006 HM_{111}	16.7	X	193.20425	296.66008	341.76125	4.87271	0.2666468	0.23527364	2.5986864	21	—	—
239122 2006 HG_{113}	15.9	X	7.93835	275.61220	179.29520	8.73994	0.1303554	0.23891039	2.5722471	21	—	—
239123 2006 HF_{114}	15.8	X	136.48176	203.15945	55.77485	12.51275	0.1559831	0.22279665	2.6948232	21	12 3.1	20.1
239124 2006 HA_{117}	16.3	X	152.56403	125.32594	127.55578	5.11153	0.0670114	0.22560749	2.6723933	21	12 13.2	20.2
239125 2006 HF_{120}	16.6	X	317.52477	218.10600	206.08698	2.78517	0.0532364	0.22270896	2.6955305	21	11 11.9	20.0
239126 2006 HY_{146}	16.2	X	31.32531	256.56039	45.73436	6.50312	0.0239803	0.21426104	2.7659262	21	9 16.9	19.9
239127 2006 HW_{152}	16.7	X	353.58680	209.99268	147.73079	4.74343	0.0896776	0.21497732	2.7597789	21	10 9.7	19.9
239128 2006 JU_{2}	17.2	X	161.59812	295.61289	30.24406	5.08617	0.1901068	0.23992730	2.5649738	21	1 1.1	21.1
239129 2006 JC_{5}	17.0	X	276.95776	71.95475	208.13067	4.39431	0.1660962	0.25674848	2.4516820	21	2 13.3	20.8
239130 2006 JE_{6}	17.0	X	250.09107	115.38029	107.46746	3.27159	0.0557151	0.23910440	2.5708555	21	—	—
239131 2006 JA_{9}	17.0	X	183.24408	308.89201	348.69643	1.46928	0.1769136	0.23734686	2.5835312	21	—	—
239132 2006 JE_{13}	15.8	X	92.13538	245.62844	79.13098	11.93337	0.0820259	0.22671276	2.6637006	21	—	—
239133 2006 JW_{18}	16.5	X	32.78004	143.55232	184.66581	4.97473	0.0509846	0.21752041	2.7382266	21	10 24.5	19.9
239134 2006 JX_{18}	16.5	X	279.36603	296.18571	210.81530	10.46436	0.1981918	0.23459856	2.6036693	21	12 19.3	19.4
239135 2006 JZ_{27}	17.3	X	225.06182	55.46715	162.04581	3.33304	0.1345364	0.23384507	2.6092593	21	—	—
239136 2006 JR_{28}	16.2	X	241.15445	278.16810	208.52070	13.14864	0.0990851	0.22335476	2.6903322	21	10 11.6	20.0
239137 2006 JB_{30}	16.1	X	341.36864	320.95784	152.12256	3.87501	0.1666697	0.23963578	2.5670536	21	—	—
239138 2006 JJ_{30}	16.3	X	257.29647	145.32145	77.51693	3.93834	0.0728470	0.24131441	2.5551352	21	—	—
239139 2006 JR_{34}	16.8	X	158.36302	245.55280	51.48318	7.63000	0.2076549	0.23218034	2.6217167	21	—	—
239140 2006 JW_{35}	16.4	X	326.70796	329.93386	88.33348	6.32894	0.0494940	0.22241650	2.6978930	21	11 18.5	19.8
239141 2006 JC_{40}	15.7	X	55.61465	105.63463	214.05242	11.70196	0.1787150	0.20901043	2.8120567	21	11 29.2	19.7
239142 2006 JS_{41}	16.0	X	257.17337	348.34704	167.44424	10.55188	0.1660835	0.23053030	2.6342119	21	12 2.6	19.5
239143 2006 JQ_{43}	17.0	X	227.52548	63.40095	165.50877	5.67895	0.0282169	0.23701863	2.5859159	21	—	—
239144 2006 JP_{44}	16.3	X	157.81399	221.19180	78.25278	7.33598	0.1641231	0.23309283	2.6148700	21	—	—
239145 2006 JA_{45}	16.5	X	193.87097	245.22959	42.28120	4.92081	0.1694268	0.23729702	2.5838930	21	—	—
239146 2006 JZ_{45}	16.7	X	183.34206	303.73939	1.59724	1.96940	0.3003815	0.23581423	2.5947133	21	1 3.0	21.3
239147 2006 JT_{48}	15.9	X	170.56406	223.86182	47.18489	12.73868	0.1694772	0.23061554	2.6335627	21	—	—
239148 2006 JD_{53}	16.3	X	176.88121	291.64239	16.40949	4.15116	0.2403934	0.23695986	2.5863434	21	—	—
239149 2006 JJ_{55}	15.9	X	161.11926	194.84840	87.28048	5.48460	0.1529025	0.23056637	2.6339371	21	—	—
239150 2006 JK_{58}	16.4	X	248.25642	332.78602	289.35239	6.67872	0.1622279	0.24562967	2.5251208	21	—	—
239151 2006 KX	15.8	X	127.17617	185.32050	80.46724	15.22274	0.1614880	0.22144038	2.7058154	21	12 4.7	20.1
239152 2006 KD_{9}	16.3	X	265.32814	343.87531	84.44247	1.81178	0.0514199	0.21301435	2.7767076	21	9 4.1	19.9
239153 2006 KS_{9}	14.9	X	274.00225	163.81434	82.58922	12.33821	0.0651713	0.18068273	3.0987862	21	1 26.6	19.5
239154 2006 KX_{9}	16.2	X	209.12213	175.93198	73.61566	5.94547	0.1470892	0.23510660	2.5999171	21	—	—
239155 2006 KK_{11}	16.1	X	189.97568	133.77789	63.91591	14.13690	0.1036588	0.22378391	2.6868916	21	11 14.1	20.1
239156 2006 KR_{15}	17.0	X	208.99728	283.77324	205.63368	3.89862	0.0538219	0.21410690	2.7672535	21	9 10.7	21.0
239157 2006 KC_{16}	16.2	X	302.15644	52.50536	136.20653	5.84409	0.0984241	0.24266799	2.5456247	21	—	—
239158 2006 KH_{17}	15.9	X	189.85142	221.52449	62.19458	13.79911	0.1590247	0.23537600	2.5979329	21	—	—
239159 2006 KP_{17}	14.8	X	207.69008	205.06423	97.17170	23.40025	0.2493273	0.17477835	3.1681882	21	1 22.2	20.5
239160 2006 KY_{17}	15.9	X	126.75103	157.61133	141.82665	12.50359	0.0657623	0.23094084	2.6310891	21	—	—
239161 2006 KJ_{20}	16.0	X	199.66992	121.99653	139.39086	13.13191	0.0655180	0.23637221	2.5906283	21	—	—
239162 2006 KY_{29}	16.5	X	45.89491	299.23804	62.11292	2.58826	0.0518022	0.22558318	2.6725853	21	12 23.9	19.9
239163 2006 KZ_{30}	16.3	X	241.25027	289.32558	237.93870	11.47137	0.1951328	0.23066915	2.6331547	21	11 20.9	20.0
239164 2006 KC_{33}	16.6	X	347.33717	154.02788	203.86842	3.17648	0.1082072	0.21305488	2.7763554	21	9 27.3	19.7
239165 2006 KG_{37}	15.5	X	315.14221	234.83402	131.19781	10.22973	0.1992496	0.21031139	2.8004480	21	8 1.8	18.6
239166 2006 KF_{41}	16.2	X	184.54369	154.62910	121.39519	4.95263	0.0877758	0.23448881	2.6044816	21	—	—
239167 2006 KE_{47}	16.6	X	103.47089	229.83955	120.06667	3.48711	0.1745841	0.23064447	2.6333425	21	—	—
239168 2006 KK_{47}	16.1	X	76.36117	128.50837	218.17540	8.02737	0.1402570	0.22575812	2.6712045	21	—	—
239169 2006 KT_{47}	17.2	X	156.38188	63.35310	196.13955	3.43036	0.1991025	0.22689166	2.6623002	21	12 21.6	21.8
239170 2006 KE_{48}	16.7	X	20.97122	176.87634	198.52639	5.80531	0.0499708	0.22389610	2.6859940	21	12 8.9	20.2
239171 2006 KE_{49}	16.8	X	149.58024	151.19653	106.60889	3.07002	0.0252775	0.22600521	2.6692572	21	12 16.3	20.4
239172 2006 KF_{50}	16.6	X	298.22096	312.39836	90.20164	3.66122	0.0661261	0.21383051	2.7696375	21	9 14.8	20.1
239173 2006 KF_{51}	15.0	X	205.85399	206.67895	75.18849	10.32683	0.0443366	0.17414562	3.1758575	21	—	—
239174 2006 KE_{60}	16.4	X	168.79790	163.38730	145.14678	6.18514	0.1541746	0.23531922	2.5983508	21	—	—
239175 2006 KZ_{62}	16.3	X	188.15251	268.55025	1.03263	3.23208	0.1827621	0.23348611	2.6119329	21	—	—
239176 2006 KQ_{66}	16.2	X	43.97592	132.62737	221.43114	5.60293	0.0402218	0.22421696	2.6834309	21	12 10.5	19.8
239177 2006 KW_{71}	16.8	X	330.90316	218.57721	149.90157	6.85684	0.0430628	0.21194731	2.7860192	21	9 18.2	20.3
239178 2006 KM_{74}	16.2	X	143.99229	175.67933	181.63841	8.74066	0.0729622	0.24056083	2.5604685	21	1 5.6	19.9
239179 2006 KS_{77}	16.0	X	146.87241	107.34965	220.06343	6.47969	0.2006402	0.23268088	2.6179555	21	—	—
239180 2006 KW_{78}	16.6	X	251.62306	258.76677	190.55685	7.75371	0.1650658	0.21421648	2.7663097	21	8 25.8	20.6
239181 2006 KY_{78}	16.7	X	235.52580	285.60966	191.80963	7.79453	0.1931367	0.21842904	2.7306276	21	9 10.5	21.0
239182 2006 KU_{83}	16.9	X	118.53667	210.20856	132.18386	2.21485	0.1523740	0.23287885	2.6164716	21	—	—
239183 2006 KW_{85}	17.0	X	246.65403	82.47111	99.36124	5.71485	0.2043215	0.23502278	2.6005352	21	12 15.6	20.3
239184 2006 KG_{92}	16.7	X	264.30797	266.52053	185.43484	4.74111	0.1295841	0.21849579	2.7300713	21	9 21.4	20.4
239185 2006 KM_{93}	17.1	X	161.92235	121.50935	202.86420	3.38862	0.1084108	0.23859294	2.5745282	21	—	—
239186 2006 KA_{100}	16.4	X	222.50030	200.02090	350.14848	8.43605	0.1966258	0.23146011	2.6271525	21	11 26.6	20.5
239187 2006 KW_{100}	16.0	X	313.35323	107.25908	48.92947	11.18273	0.0669947	0.23899523	2.5716383	21	—	—
239188 2006 KA_{103}	15.6	X	128.29080	246.84792	129.61561	17.18867	0.1345289	0.18028075	3.1033909	21	1 31.5	20.1
239189 2006 KR_{103}	15.5	X	323.65520	69.56315	93.23028	10.59531	0.0502067	0.17476576	3.1683403	21	—	—
239190 2006 KQ_{104}	15.5	X	340.05603	355.35754	233.40610	9.87470	0.0504810	0.19073147	2.9889671	21	3 23.0	19.7
239191 2006 KV_{104}	16.4	X	233.31681	114.01145	73.51299	2.97097	0.0128669	0.22854622	2.6494355	21	—	—
239192 2006 KT_{114}	16.3	X	176.50478	41.62565	172.07606	10.69947	0.1944973	0.22466530	2.6798596	21	11 16.6	20.9
239193 2006 KB_{123}	15.8	X	72.08814	168.29026	183.41282	14.54455	0.0511639	0.22677099	2.6632446	21	—	—
239194 2006 KU_{123}	15.4	X	219.85451	249.46665	51.51038	14.72825	0.2350054	0.24170996	2.5523468	21	1 24.4	20.1
239195 2006 LN	15.5	X	255.45900	341.24279	279.46187	10.10523	0.1822432	0.17878743	3.1206476	21	1 12.4	20.6
239196 2006 LW_{2}	15.5	X	157.93284	184.83016	96.56412	14.73260	0.1555009	0.22548400	2.6733689	21	—	—
239197 2006 MS_{1}	15.8	X	78.15789	185.05826	122.21046	12.15902	0.0687654	0.21952179	2.7215582	21	11 29.6	19.8
239198 2006 MP_{5}	15.7	X	44.47112	248.91458	109.58972	8.72656	0.2345104	0.21291365	2.7775830	21	—	—
239199 2006 MJ_{11}	15.4	X	28.14271	63.87244	257.36885	11.94608	0.1953158	0.20442753	2.8539288	21	10 22.7	19.1
239200 Luoyang	16.2	X	122.21558	309.93609	312.42124	2.44343	0.1547399	0.21719306	2.7409772	21	11 24.2	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
239201 2006 ML_{13}	16.6	X	8.71185	303.84986	10.63712	1.87051	0.0557590	0.20344765	2.8630852	21	8 31.1	20.2
239202 2006 OX	15.6	X	330.98517	126.75285	181.70466	12.06895	0.1185640	0.19248411	2.9707957	21	6 19.8	19.4
239203 Simeon	16.8	X	248.33704	325.54990	322.60403	5.09764	0.2713607	0.24095571	2.5576703	21	1 26.7	21.2
239204 2006 ON_{16}	16.0	X	114.96479	354.22067	291.54804	8.88804	0.2121000	0.21678775	2.7443925	21	12 18.5	20.7
239205 2006 OT_{17}	15.4	X	229.53953	345.74088	17.81694	10.89757	0.0731753	0.18297289	3.0728749	21	4 24.1	20.1
239206 2006 ON_{18}	15.9	X	118.72989	255.71865	64.55212	12.81527	0.1883346	0.22242557	2.6978197	21	—	—
239207 2006 PQ_{18}	16.4	X	111.69213	169.82195	110.10816	4.17902	0.1578730	0.21489539	2.7604803	21	12 6.3	20.8
239208 2006 PN_{27}	16.1	X	150.15295	221.69790	60.77880	16.35390	0.2171277	0.22241690	2.6978897	21	—	—
239209 2006 PR_{28}	15.9	X	167.40832	223.56170	58.28940	18.43397	0.2849614	0.22486074	2.6783066	21	—	—
239210 2006 PH_{38}	17.1	X	257.19743	175.39829	120.80608	6.80576	0.1401397	0.24356175	2.5393935	21	2 20.6	20.9
239211 2006 QY_{23}	15.7	X	90.85487	288.53318	18.66601	19.63465	0.3237689	0.21291126	2.7776038	21	12 31.2	21.0
239212 2006 QH_{34}	16.4	X	20.44894	68.33584	169.04153	5.12562	0.2052550	0.18792185	3.0186854	21	6 14.1	19.6
239213 2006 QS_{55}	14.7	X	300.31895	357.49404	18.67672	2.74697	0.2660907	0.12421284	3.9782468	21	7 9.7	19.9
239214 2006 QA_{56}	16.2	X	339.77715	134.41915	148.18611	2.41332	0.2001730	0.18790196	3.0188984	21	5 21.9	19.4
239215 2006 QD_{98}	15.8	X	212.47422	321.31599	295.41769	14.16341	0.1812055	0.22785035	2.6548272	21	—	—
239216 2006 QK_{105}	15.5	X	193.32088	190.57506	180.79110	9.83384	0.0784492	0.17472697	3.1688092	21	3 29.4	20.2
239217 2006 QH_{152}	15.3	X	179.62011	242.44021	153.75835	9.98582	0.0929037	0.17546187	3.1599549	21	4 16.9	20.3
239218 2006 QO_{169}	15.6	X	298.05414	83.48689	219.21488	9.26650	0.0685618	0.18247278	3.0784870	21	5 1.9	19.8
239219 2006 RC_{14}	15.5	X	68.12952	288.98731	214.05625	12.03632	0.1030084	0.17645120	3.1481323	21	4 17.3	19.5
239220 2006 RN_{56}	15.7	X	258.37965	148.35508	150.36474	1.67300	0.1942114	0.17106542	3.2138669	21	2 27.9	20.8
239221 2006 RB_{78}	16.2	X	290.18760	178.67967	79.71711	1.89271	0.1526390	0.17010860	3.2259072	21	2 17.6	20.8
239222 2006 RC_{99}	15.6	X	243.79225	143.75602	181.13076	9.55127	0.0772833	0.17411504	3.1762294	21	3 26.1	20.4
239223 2006 SR_{11}	15.4	X	279.01130	313.98505	35.89956	10.65903	0.2646055	0.18320420	3.0702879	21	5 9.5	20.0
239224 2006 SY_{22}	15.6	X	303.28977	207.60724	116.37834	9.20214	0.1211761	0.18444043	3.0565532	21	5 30.5	19.7
239225 2006 SD_{32}	15.9	X	309.95680	339.65033	321.31709	0.89116	0.1445022	0.18153695	3.0890577	21	5 4.3	20.0
239226 2006 SY_{40}	16.0	X	295.53776	265.04199	45.37115	2.03388	0.1575892	0.18069839	3.0986072	21	4 25.5	20.4
239227 2006 SY_{54}	15.1	X	210.04578	255.44990	125.23878	8.37931	0.1948644	0.17372267	3.1810101	21	4 26.3	20.5
239228 2006 SC_{56}	15.8	X	67.76225	346.32881	31.45103	8.74728	0.2292506	0.21296710	2.7771183	21	—	—
239229 2006 SU_{60}	15.6	X	243.93713	263.56725	68.93204	8.49532	0.2219841	0.17417671	3.1754797	21	3 28.2	20.9
239230 2006 SW_{90}	15.4	X	298.97940	288.04227	17.57439	11.70550	0.2089012	0.17924801	3.1152996	21	4 15.3	19.9
239231 2006 SL_{111}	16.2	X	239.87320	294.62178	30.49864	8.99346	0.2813218	0.17536158	3.1611595	21	3 12.5	21.8
239232 2006 SH_{119}	15.2	X	249.14233	284.27915	36.25380	5.24683	0.1562500	0.17403061	3.1772566	21	3 21.2	20.2
239233 2006 SU_{129}	15.9	X	223.55918	118.21266	226.04574	4.47414	0.1606713	0.17258518	3.1949720	21	3 22.6	21.1
239234 2006 SG_{141}	14.7	X	304.03164	243.02263	45.29276	15.84926	0.2015267	0.17713919	3.1399756	21	4 7.9	19.1
239235 2006 SM_{164}	15.9	X	357.20819	84.50067	229.26345	11.10576	0.0452796	0.19430954	2.9521605	21	8 6.8	20.0
239236 2006 SH_{206}	15.8	X	292.06678	277.44859	35.37394	3.64427	0.1932894	0.17953626	3.1119642	21	4 19.3	20.1
239237 2006 SV_{224}	15.5	X	265.03016	267.46138	15.44823	5.18562	0.1127697	0.17095605	3.2152375	21	2 25.1	20.3
239238 2006 SW_{246}	16.2	X	44.78276	145.46037	93.90289	1.19788	0.2091807	0.18949551	3.0019498	21	8 4.1	19.6
239239 2006 SS_{295}	15.7	X	274.02330	105.50539	216.05246	2.37306	0.0880452	0.17754239	3.1352199	21	4 23.1	20.2
239240 2006 ST_{323}	15.6	X	308.54849	259.24991	28.36687	13.75392	0.1439392	0.17751218	3.1355756	21	4 16.4	19.6
239241 2006 SZ_{352}	15.6	X	262.99895	251.48233	57.60015	5.76007	0.1375382	0.17202723	3.2018766	21	3 24.1	20.5
239242 2006 SZ_{380}	15.6	X	85.49545	39.27237	145.01848	15.18112	0.0335438	0.17543989	3.1602187	21	6 24.0	20.3
239243 2006 TJ_{12}	15.0	X	304.26136	99.46687	219.07724	13.31748	0.1641831	0.18219270	3.0816411	21	5 17.0	19.0
239244 2006 TZ_{42}	14.9	X	304.56711	70.91531	224.96529	21.69377	0.2041585	0.17491570	3.1665294	21	4 9.9	19.4
239245 2006 TB_{44}	15.5	X	25.05942	29.42750	225.02534	4.76468	0.1136736	0.17852795	3.1236707	21	7 8.2	19.3
239246 2006 TA_{60}	15.2	X	153.89527	236.50192	238.56311	8.38475	0.0624381	0.17439048	3.1728840	21	6 20.9	20.0
239247 2006 TS_{75}	15.5	X	239.19622	239.21547	99.45078	7.87504	0.1284746	0.17064265	3.2191730	21	4 6.7	20.6
239248 2006 TJ_{94}	15.5	X	202.75770	276.62647	36.19827	3.53598	0.1048544	0.16180680	3.3353254	21	2 1.1	20.7
239249 2006 UA_{67}	15.8	X	344.01268	200.06002	126.00780	7.58885	0.1886829	0.19019541	2.9945807	21	8 3.1	18.9
239250 2006 UH_{142}	15.3	X	294.37096	264.10411	25.03194	13.23780	0.2551117	0.17281807	3.1921009	21	3 20.4	20.0
239251 2006 UT_{143}	15.5	X	311.61308	303.78899	41.04144	16.91343	0.1058168	0.18115325	3.0934181	21	7 11.7	19.8
239252 2006 UP_{199}	15.1	X	276.40392	280.20942	39.16812	18.11675	0.1933224	0.17908022	3.1172452	21	4 13.5	19.9
239253 2006 UH_{269}	16.5	X	36.38025	53.60403	217.43858	1.80870	0.0841741	0.18353784	3.0665659	21	8 14.3	20.3
239254 2006 UL_{323}	15.9	X	277.30476	133.82063	170.96854	10.29482	0.0690136	0.17738750	3.1370447	21	4 10.8	20.4
239255 2006 UA_{333}	15.6	X	313.23261	155.62400	129.21118	12.92392	0.1418948	0.17321204	3.1872588	21	4 25.4	20.0
239256 2006 VM_{29}	15.6	X	353.10097	301.54984	52.12530	10.13593	0.1246512	0.18955225	3.0013507	21	10 3.8	19.2
239257 2006 YN_{1}	15.2	X	266.77491	282.70461	69.85899	11.60617	0.1139422	0.17147328	3.2087687	21	5 21.0	19.9
239258 2007 DO_{39}	17.2	X	90.40074	29.16628	97.19092	3.30538	0.0773862	0.28374777	2.2935827	21	4 12.9	19.8
239259 2007 DB_{53}	17.3	X	100.75923	230.42306	322.07693	4.60207	0.0879804	0.29762749	2.2217099	21	8 4.0	19.8
239260 2007 DW_{60}	17.3	X	63.83772	322.49966	165.47499	23.56751	0.0472392	0.35187567	1.9870550	21	2 9.3	19.3
239261 2007 EJ_{52}	17.2	X	106.49354	251.35749	326.72418	3.56448	0.1315291	0.30220871	2.1992000	21	9 20.6	20.2
239262 2007 EH_{54}	17.2	X	321.52840	54.01673	176.12083	5.33051	0.1852496	0.27241801	2.3567427	21	1 25.9	20.4
239263 2007 EH_{132}	17.8	X	140.29840	347.83773	177.06298	4.07162	0.0831096	0.29971712	2.2113713	21	8 13.1	20.8
239264 2007 GH_{12}	14.7	X	323.11417	226.48125	134.11848	25.74744	0.2828116	0.18009751	3.1054955	21	7 26.4	17.9
239265 2007 GB_{18}	17.5	X	44.22597	359.83942	355.38091	4.66542	0.1280188	0.31155537	2.1549931	21	—	—
239266 2007 GN_{19}	18.4	X	189.83675	38.11283	194.85181	0.54239	0.1006475	0.31642565	2.1328236	21	—	—
239267 2007 HT_{22}	18.1	X	140.31046	82.53607	142.67078	1.92525	0.0308985	0.30550126	2.1833702	21	11 6.8	20.7
239268 2007 HY_{87}	17.1	X	34.90117	35.76201	86.46843	3.73562	0.1849219	0.26821363	2.3813076	21	1 1.3	18.9
239269 2007 JW_{16}	17.2	X	50.58629	8.02093	204.66575	4.95560	0.0757627	0.28463279	2.2888259	21	6 15.6	19.6
239270 2007 JC_{35}	16.8	X	149.17085	320.06213	339.96654	2.29750	0.1900783	0.31735936	2.1286382	21	—	—
239271 2007 JV_{36}	16.5	X	222.36153	206.69404	58.66117	5.05388	0.1553437	0.26023787	2.4297172	21	—	—
239272 2007 JC_{45}	17.2	X	177.79171	83.07481	110.87230	6.36819	0.0612069	0.30494448	2.1860270	21	11 11.5	20.1
239273 2007 KS_{1}	16.5	X	318.87153	72.63280	105.97435	7.25092	0.0767575	0.26362160	2.4088812	21	—	—
239274 2007 KW_{1}	17.5	X	67.67399	171.64724	356.14672	3.93926	0.0938439	0.28062611	2.3105604	21	5 7.8	19.9
239275 2007 KL_{7}	16.4	X	223.29633	299.55137	50.60211	3.61019	0.3307256	0.26165757	2.4209204	21	3 20.4	20.9
239276 2007 LP_{26}	16.7	X	110.61777	251.39436	174.10740	5.99438	0.1029634	0.25620241	2.4551644	21	2 21.7	19.8
239277 2007 NV_{6}	16.3	X	261.91445	257.10591	58.47719	6.64771	0.1488813	0.26558145	2.3970158	21	3 20.3	19.8
239278 2007 OP	16.4	X	323.83203	342.09326	122.66648	14.68802	0.1167265	0.23804249	2.5784956	21	—	—
239279 2007 OC_{1}	17.0	X	265.15644	19.37665	314.17660	2.01971	0.2318793	0.26737018	2.3863130	21	4 3.2	20.8
239280 2007 OO_{5}	16.0	X	206.99692	221.35068	103.21724	8.23140	0.0903786	0.25372727	2.4711055	21	2 5.4	19.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
239281 2007 OL_6	17.2	X	349.98298	161.00658	122.07329	2.81340	0.2124449	0.27818976	2.3240312	21	6 6.0	18.5
239282 Kevinmccarron	16.4	X	255.93598	122.27504	188.10579	4.47057	0.1315305	0.26151443	2.4218037	21	3 5.1	20.1
239283 2007 PG	17.0	X	228.32914	176.50949	136.60003	2.78474	0.1742280	0.25816814	2.4426858	21	2 9.7	20.9
239284 2007 PK_3	17.2	X	252.13226	317.30552	349.92766	2.51799	0.2314101	0.26103498	2.4247683	21	2 20.4	21.2
239285 2007 PK_5	16.0	X	21.29307	195.59559	143.96088	6.84797	0.2390166	0.21798229	2.7343572	21	11 20.4	19.2
239286 2007 PF_{11}	16.7	X	266.09518	116.37997	187.76815	6.34059	0.1195978	0.26096025	2.4252312	21	3 9.0	20.1
239287 2007 PQ_{11}	16.5	X	242.31636	313.53238	10.57082	6.49227	0.1407504	0.26009040	2.4306355	21	3 10.5	20.1
239288 2007 PW_{11}	16.7	X	50.45931	182.63850	108.71022	6.94056	0.1916699	0.28885026	2.2664921	21	11 3.5	19.6
239289 2007 PZ_{11}	16.8	X	268.72656	211.37373	86.18062	3.82798	0.2122360	0.26217627	2.4177263	21	2 25.4	20.5
239290 2007 PX_{12}	16.4	X	200.37698	356.20179	342.06762	4.81247	0.1278256	0.25585830	2.4573653	21	2 15.6	20.0
239291 2007 PF_{13}	17.1	X	324.21065	237.68015	73.54071	3.22315	0.1931065	0.27605824	2.3359789	21	5 27.4	19.0
239292 2007 PS_{15}	16.8	X	240.72826	252.11529	75.39117	3.46362	0.2070887	0.25976562	2.4326611	21	3 10.3	20.7
239293 2007 PX_{16}	16.6	X	285.47156	247.71342	81.42516	3.35876	0.2105910	0.26647685	2.3916432	21	4 23.5	19.9
239294 2007 PM_{22}	15.8	X	248.19728	306.75242	34.60549	22.51728	0.2542638	0.26326155	2.4110771	21	4 4.8	20.0
239295 2007 PS_{22}	16.5	X	313.34662	258.58488	70.89754	3.43227	0.2061546	0.27205449	2.3588416	21	6 2.4	18.9
239296 2007 PH_{26}	17.0	X	254.74526	271.32399	71.39392	1.49003	0.2216564	0.26526767	2.3989056	21	4 7.8	20.6
239297 2007 PA_{30}	16.8	X	250.18268	166.56299	139.02846	1.88394	0.1969983	0.25860264	2.4399490	21	2 18.7	20.7
239298 2007 PC_{34}	17.0	X	331.16813	88.96948	200.24143	2.07688	0.1838354	0.27144548	2.3623685	21	5 8.3	19.0
239299 2007 PP_{34}	16.4	X	281.70321	157.07412	148.47053	9.27541	0.1093802	0.26605959	2.3941431	21	4 2.8	19.6
239300 2007 PQ_{37}	17.0	X	328.65397	54.86758	231.53237	2.81690	0.2061235	0.27217332	2.3581550	21	4 24.1	19.4
239301 2007 PO_{39}	17.3	X	317.62412	170.99395	134.95225	5.44218	0.1692702	0.27351483	2.3504380	21	5 13.5	19.9
239302 2007 PO_{40}	15.3	X	198.49243	182.19011	174.31798	9.83418	0.1909074	0.18231053	3.0803132	21	3 16.0	20.6
239303 2007 PB_{43}	15.7	X	293.96753	234.10949	163.45420	10.30593	0.1360323	0.21001784	2.8030570	21	8 19.0	19.2
239304 2007 PB_{48}	16.7	X	254.30048	214.36576	117.25278	6.68855	0.1261154	0.26466945	2.4025190	21	4 4.1	20.3
239305 2007 PQ_{48}	15.9	X	209.48003	285.59177	42.97110	7.12159	0.1343034	0.25582219	2.4575965	21	2 15.1	19.8
239306 2007 QH_2	16.8	X	291.18912	12.68594	14.89862	3.08948	0.0892603	0.20828829	2.8185526	21	8 10.6	20.4
239307 Kruchynenko	16.2	X	275.40736	271.68902	23.04103	13.88976	0.2486498	0.26112552	2.4242078	21	3 1.5	20.2
239308 2007 QU_5	16.8	X	283.90321	4.35744	323.17605	1.79378	0.2422957	0.26773313	2.3841558	21	4 13.2	20.3
239309 2007 QW_7	16.2	X	48.90712	189.15180	147.40604	4.72484	0.1324561	0.22218790	2.6997431	21	12 8.1	19.9
239310 2007 QO_8	16.6	X	292.17647	180.50122	163.86515	8.05004	0.2287533	0.27134133	2.3629729	21	5 20.7	19.7
239311 2007 QZ_9	17.2	X	35.72375	218.89347	73.87616	2.23461	0.2218482	0.28495870	2.2870804	21	10 17.8	19.5
239312 2007 QY_{15}	16.7	X	310.54707	140.48776	134.21591	4.80855	0.1124763	0.26370100	2.4083977	21	3 28.8	19.6
239313 2007 RM_{16}	15.8	X	216.36768	11.08094	15.83762	16.71857	0.1930013	0.18788682	3.0190607	21	4 30.5	21.0
239314 2007 RN_{21}	15.5	X	286.25475	96.23179	162.04575	11.55181	0.0412204	0.18431467	3.0579434	21	2 24.1	19.9
239315 2007 RD_{23}	16.3	X	307.12063	198.69508	189.28116	12.44537	0.2108578	0.20887616	2.8132617	21	8 13.4	19.8
239316 2007 RQ_{24}	15.0	X	181.02953	5.22823	322.73125	21.77282	0.0418162	0.17968623	3.1102325	21	1 25.6	19.7
239317 2007 RG_{34}	16.3	X	303.33988	56.57899	247.97012	4.08537	0.2554702	0.26820486	2.3813595	21	4 2.1	19.5
239318 2007 RV_{34}	16.2	X	352.19409	177.32517	170.51875	5.95601	0.0881828	0.21285487	2.7780943	21	9 22.0	19.5
239319 2007 RP_{36}	17.0	X	276.74883	335.88279	337.03714	1.74502	0.2150308	0.26260494	2.4150945	21	3 21.9	20.6
239320 2007 RM_{37}	15.4	X	153.84435	252.76337	180.74136	11.68462	0.1163422	0.18540775	3.0459127	21	5 5.8	20.2
239321 2007 RK_{38}	17.3	X	303.79877	182.95061	113.88067	2.46400	0.1754683	0.26569251	2.3963478	21	4 7.9	20.1
239322 2007 RG_{40}	15.7	X	194.36541	216.22857	146.16921	4.66057	0.1570474	0.18221490	3.0813909	21	3 20.3	20.7
239323 2007 RE_{41}	17.2	X	254.82347	234.31182	78.91288	2.28026	0.1881422	0.25961079	2.4336282	21	3 5.6	21.1
239324 2007 RK_{41}	15.9	X	324.72992	357.63647	21.41028	6.89678	0.1368925	0.21103689	2.7940261	21	9 17.9	18.9
239325 2007 RM_{41}	16.6	X	246.28139	267.80792	26.27445	6.44762	0.1984843	0.25534348	2.4606672	21	2 4.1	20.8
239326 2007 RR_{41}	16.1	X	59.56968	348.84678	4.66917	10.77034	0.1081379	0.22668712	2.6639014	21	—	—
239327 2007 RV_{47}	16.9	X	310.96360	94.30987	175.89802	2.24830	0.1692067	0.26060459	2.4274372	21	3 12.5	19.9
239328 2007 RZ_{49}	16.3	X	265.95559	161.62822	183.62940	12.26222	0.1867034	0.26443228	2.4039554	21	4 27.1	19.9
239329 2007 RN_{50}	16.0	X	63.97123	294.08107	223.57243	9.39149	0.0871438	0.18538664	3.0461439	21	4 27.3	19.8
239330 2007 RY_{69}	15.6	X	263.59154	299.54825	147.39282	8.12839	0.1986655	0.20874601	2.8144309	21	9 3.8	19.4
239331 2007 RZ_{69}	16.4	X	264.57357	93.60892	44.09244	3.97090	0.0236318	0.22419974	2.6835683	21	12 6.4	19.9
239332 2007 RE_{75}	16.2	X	249.76629	291.27492	153.12584	5.40914	0.0145892	0.21104792	2.7939288	21	9 9.9	20.0
239333 2007 RT_{77}	16.3	X	350.61470	1.23482	166.84287	3.83381	0.1495023	0.17742048	3.1366560	21	1 15.5	20.3
239334 2007 RQ_{80}	16.7	X	145.80051	117.29039	167.50998	13.79000	0.1753809	0.23406237	2.6076441	21	—	—
239335 2007 RJ_{95}	17.6	X	241.40848	123.71961	199.39263	8.05841	0.2276346	0.25332323	2.4737323	21	3 1.4	21.8
239336 2007 RU_{97}	15.4	X	231.20641	173.26325	171.88314	12.97279	0.2049598	0.18595962	3.0398836	21	3 29.7	20.4
239337 2007 RT_{98}	15.5	X	157.01605	260.71412	138.31629	5.50536	0.1662180	0.17799843	3.1298625	21	4 1.1	20.5
239338 2007 RQ_{101}	16.4	X	75.94007	213.55201	353.18782	6.05138	0.0026315	0.20187731	2.8779133	21	7 5.9	20.4
239339 2007 RG_{103}	16.0	X	143.20146	57.12757	358.92267	4.54056	0.1455768	0.17918730	3.1160032	21	4 4.0	20.9
239340 2007 RD_{104}	16.7	X	53.92736	196.82798	137.35176	3.88976	0.0743336	0.22277731	2.6949792	21	12 3.1	20.3
239341 2007 RM_{107}	15.1	X	230.01171	235.90250	176.69462	3.48306	0.2979335	0.12356712	3.9920942	21	6 11.4	21.8
239342 2007 RQ_{109}	16.8	X	3.77633	71.14993	213.33652	1.29962	0.0137476	0.19950987	2.9006353	21	7 12.0	20.7
239343 2007 RB_{113}	16.1	X	51.81303	193.38545	169.60104	6.05822	0.0506428	0.22429561	2.6828035	21	—	—
239344 2007 RS_{114}	16.0	X	72.48360	82.92758	216.94240	5.33833	0.0121126	0.21635912	2.7480159	21	11 2.4	19.5
239345 2007 RX_{125}	16.4	X	249.13996	161.27183	222.56800	1.09314	0.0908157	0.19805608	2.9148123	21	6 10.2	20.6
239346 2007 RY_{139}	17.1	X	295.41221	45.19477	251.80574	1.21606	0.2201966	0.26540901	2.3980539	21	3 20.1	20.3
239347 2007 RJ_{143}	17.4	X	32.40323	30.96424	259.30184	2.15153	0.2365638	0.28410363	2.2916671	21	10 9.0	19.7
239348 2007 RE_{147}	16.8	X	283.25034	242.97082	79.85299	3.22045	0.1889268	0.26613447	2.3936940	21	4 15.5	20.2
239349 2007 RM_{149}	15.3	X	145.43192	203.82398	208.30733	25.75762	0.2352160	0.17670780	3.1450839	21	4 8.4	20.5
239350 2007 RN_{157}	16.4	X	310.95735	245.44497	78.29063	4.48576	0.1992048	0.27203888	2.3589318	21	5 22.1	18.9
239351 2007 RL_{161}	16.1	X	95.30799	222.75682	71.74532	4.60727	0.0561631	0.22025586	2.7155079	21	11 29.6	20.0
239352 2007 RF_{165}	16.3	X	355.24947	286.72098	179.16460	14.37410	0.0777725	0.23460030	2.6036564	21	—	—
239353 2007 RG_{165}	16.3	X	170.57999	311.84274	229.89065	2.65057	0.0115507	0.21460788	2.7629452	21	10 4.3	20.0
239354 2007 RD_{170}	16.6	X	255.93457	88.19429	120.26360	2.45752	0.0620403	0.23766057	2.5812573	21	—	—
239355 2007 RD_{174}	16.5	X	78.87931	243.82178	64.09992	4.89078	0.0909174	0.21990106	2.7184280	21	12 1.0	20.4
239356 2007 RH_{179}	15.6	X	76.06047	74.53303	49.35987	12.93090	0.0905494	0.17227077	3.1988581	21	4 7.9	20.0
239357 2007 RK_{179}	15.6	X	97.21869	239.08324	216.19915	16.76964	0.1250411	0.17070911	3.2183375	21	3 28.6	20.2
239358 2007 RQ_{179}	16.2	X	246.41928	142.18810	212.37434	11.54042	0.1275849	0.18448401	3.0560719	21	4 28.4	20.8
239359 2007 RU_{181}	15.7	X	309.30020	285.11827	12.60697	11.41585	0.0714085	0.19103678	2.9857817	21	5 6.1	19.8
239360 2007 RP_{185}	14.9	X	53.02014	120.50825	23.26532	26.83727	0.1598538	0.17884003	3.1200357	21	4 6.4	18.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
239361 2007 RE_{204}	14.8	X	98.63214	250.34999	197.08323	17.30624	0.1388478	0.17558423	3.1584867	21	3 23.4	19.3
239362 2007 RO_{214}	15.8	X	54.51749	296.48242	198.64841	13.65658	0.1906923	0.17556966	3.1586614	21	3 28.4	19.4
239363 2007 RR_{214}	17.1	X	154.20065	7.37582	309.98850	2.70536	0.1600206	0.23801039	2.5787274	21	—	—
239364 2007 RH_{219}	16.9	X	137.49026	152.01273	184.92658	18.50415	0.2518300	0.23847683	2.5753638	21	—	—
239365 2007 RZ_{220}	15.5	X	67.33149	322.22898	200.34691	10.21070	0.0454011	0.18555395	3.0443126	21	5 4.4	19.7
239366 2007 RG_{222}	16.1	X	225.71601	349.95650	352.91713	1.92156	0.1047611	0.18235552	3.0798066	21	3 25.8	21.0
239367 2007 RW_{228}	16.9	X	291.20018	194.18858	146.11846	6.60500	0.1389353	0.27141256	2.3625595	21	5 27.7	19.8
239368 2007 RR_{230}	15.7	X	148.22908	207.04894	5.54976	13.87720	0.0209124	0.21480547	2.7612506	21	10 14.3	19.5
239369 2007 RD_{245}	16.4	X	319.81101	349.23320	58.43565	5.15210	0.0654206	0.21232669	2.7826996	21	10 23.1	19.7
239370 2007 RH_{259}	15.6	X	193.98243	181.47003	198.88841	9.50716	0.0998240	0.18247251	3.0784900	21	4 8.7	20.3
239371 2007 RG_{279}	16.0	X	119.58660	335.93577	54.00076	14.73650	0.1852276	0.24362887	2.5389270	21	2 8.4	19.7
239372 2007 RA_{284}	17.0	X	202.14980	107.34776	179.47578	5.47686	0.1376098	0.24111859	2.5565184	21	—	—
239373 2007 RF_{285}	16.4	X	301.05365	91.46116	144.32687	2.88626	0.0332640	0.17693055	3.1424437	21	2 17.5	20.7
239374 2007 RR_{285}	16.1	X	143.21839	216.81325	12.81048	4.04045	0.0471839	0.21517307	2.7581049	21	11 1.4	20.2
239375 2007 RA_{286}	17.3	X	136.39305	55.32355	242.81095	2.78142	0.1074436	0.22963991	2.6410166	21	—	—
239376 2007 RW_{289}	16.3	X	335.73252	190.27609	166.28599	3.00590	0.0496563	0.20159919	2.8805596	21	9 6.5	19.9
239377 2007 RV_{308}	15.5	X	101.01510	273.41802	134.50294	5.95844	0.1857210	0.17278432	3.1925166	21	2 15.3	19.8
239378 2007 RC_{313}	17.1	X	309.71485	185.31012	116.56081	2.10239	0.1854590	0.27188443	2.3598251	21	4 20.9	19.8
239379 2007 RQ_{319}	16.1	X	339.23179	280.86598	190.46846	13.65682	0.0339920	0.22792433	2.6542526	21	—	—
239380 2007 SQ	16.3	X	314.98885	218.81316	73.81883	6.07259	0.2148075	0.26721884	2.3872139	21	4 12.9	19.1
239381 2007 SM_{1}	16.2	X	83.31480	1.57973	335.39665	4.87002	0.1010112	0.22706025	2.6609822	21	—	—
239382 2007 SM_{6}	15.4	X	74.90988	269.14009	201.31514	10.46203	0.0500211	0.17572203	3.1568352	21	3 7.9	19.7
239383 2007 SC_{11}	15.5	X	17.47568	200.94219	126.29599	7.06643	0.0452621	0.20858995	2.8158345	21	10 2.3	19.2
239384 2007 SZ_{11}	16.1	X	9.62857	225.19989	66.58397	11.03680	0.2378635	0.27695271	2.3309465	21	8 30.6	17.9
239385 2007 SK_{13}	15.7	X	186.30309	57.33038	353.74361	8.91889	0.1151718	0.18668313	3.0320243	21	5 5.0	20.7
239386 2007 SE_{14}	15.7	X	250.54499	247.55474	203.58476	14.55763	0.1181473	0.20530626	2.8457796	21	8 30.7	20.0
239387 2007 SG_{14}	16.3	X	47.28446	155.88608	193.88148	8.82752	0.1370768	0.21950175	2.7217238	21	12 21.8	20.2
239388 2007 SJ_{19}	16.1	X	158.14652	239.31691	211.08955	2.59300	0.0411942	0.18681773	3.0305677	21	5 24.5	20.5
239389 2007 TE_{9}	16.3	X	90.63480	320.14583	14.68460	9.41766	0.0901560	0.22729537	2.6591469	21	—	—
239390 2007 TA_{15}	16.5	X	52.46946	112.49324	212.58980	23.13989	0.3354924	0.29219315	2.2491721	21	12 30.3	20.5
239391 2007 TF_{18}	15.6	X	151.41957	30.42571	25.42780	11.53261	0.0973581	0.17835863	3.1256472	21	4 9.5	20.3
239392 2007 TG_{20}	16.1	X	34.26550	84.76024	236.44250	2.01579	0.0769854	0.21204610	2.7851538	21	10 18.7	19.7
239393 2007 TZ_{21}	15.4	X	167.74643	192.25295	184.21847	10.81566	0.0705454	0.17931022	3.1145791	21	3 6.4	20.2
239394 2007 TE_{22}	15.3	X	47.28288	276.98887	74.76493	14.87656	0.1967293	0.21845815	2.7303849	21	—	—
239395 2007 TJ_{23}	16.6	X	158.26035	335.07426	351.06129	2.71879	0.2471319	0.23911181	2.5708024	21	1 3.8	20.7
239396 2007 TH_{25}	16.3	X	272.87482	52.55378	337.63035	1.98196	0.1626654	0.20234643	2.8734635	21	7 7.4	20.2
239397 2007 TF_{29}	15.6	X	319.93469	196.18140	26.78905	9.28947	0.0257302	0.17412853	3.1760653	21	3 2.5	20.1
239398 2007 TV_{36}	16.6	X	145.78577	266.15401	16.62991	2.42055	0.0587140	0.22786546	2.6547098	21	—	—
239399 2007 TJ_{38}	15.8	X	130.24610	294.04896	191.21937	10.13028	0.0594159	0.19076462	2.9886209	21	6 6.9	20.3
239400 2007 TL_{40}	17.3	X	188.48010	100.22617	218.34198	4.03201	0.2541890	0.24211659	2.5494883	21	1 17.8	21.7
239401 2007 TP_{41}	16.2	X	191.76523	257.48897	116.17938	1.67932	0.0549291	0.17678101	3.1442155	21	3 30.4	20.8
239402 2007 TU_{41}	16.1	X	211.98266	302.10374	357.10632	7.52502	0.2238232	0.24308390	2.5427203	21	1 14.5	20.6
239403 2007 TX_{41}	16.5	X	18.18323	123.11440	173.81556	4.96235	0.1393625	0.20932628	2.8092273	21	8 28.7	19.6
239404 2007 TX_{44}	15.8	X	17.56195	250.64230	34.58688	10.20291	0.0488795	0.20024325	2.8935487	21	8 7.9	19.7
239405 2007 TF_{48}	15.6	X	191.95715	28.28659	0.40323	4.83949	0.1983694	0.18250790	3.0780921	21	4 16.0	20.7
239406 2007 TX_{48}	16.0	X	185.65670	255.59348	220.72080	7.29507	0.0461012	0.19682521	2.9269518	21	7 26.7	20.4
239407 2007 TD_{49}	16.6	X	157.30800	24.32696	296.32054	1.21392	0.2121604	0.23760738	2.5816425	21	—	—
239408 2007 TF_{50}	15.5	X	293.26951	256.79200	20.53994	9.93175	0.0315554	0.18107724	3.0942837	21	3 31.4	19.8
239409 2007 TL_{55}	15.5	X	299.72782	233.01357	27.90021	12.09694	0.0337773	0.17650982	3.1474353	21	3 22.1	19.9
239410 2007 TX_{56}	15.4	X	89.15349	229.55857	222.08018	7.26076	0.0787710	0.17092585	3.2156162	21	3 7.5	19.9
239411 2007 TZ_{58}	16.4	X	291.02080	311.61712	189.39823	13.79326	0.0956755	0.22864310	2.6486870	21	—	—
239412 2007 TY_{62}	15.4	X	73.37185	98.67705	25.10935	11.80590	0.0187099	0.17645239	3.1481181	21	3 24.0	19.8
239413 2007 TD_{68}	14.8	X	206.64219	295.59930	65.06634	24.11809	0.1338575	0.17884007	3.1200352	21	4 10.2	20.2
239414 2007 TG_{74}	15.6	X	156.58268	119.74070	208.92634	14.24420	0.1576630	0.23448497	2.6045101	21	—	—
239415 2007 TK_{74}	16.5	X	211.22198	120.39888	165.12319	4.74066	0.0855391	0.24014709	2.5634085	21	—	—
239416 2007 TY_{91}	16.7	X	104.07302	261.08021	61.45207	3.60745	0.2511633	0.22932786	2.6434119	21	—	—
239417 2007 TR_{92}	16.0	X	79.83241	246.78549	107.44483	5.73945	0.2780410	0.22728275	2.6592453	21	—	—
239418 2007 TY_{93}	16.4	X	323.73641	202.44745	144.86588	2.60800	0.0849187	0.19944271	2.9012864	21	8 3.9	20.1
239419 2007 TA_{95}	16.5	X	180.15725	160.66319	160.55056	6.20277	0.1963458	0.24171403	2.5523182	21	1 11.6	20.7
239420 2007 TW_{106}	16.2	X	161.67327	283.70288	351.38827	1.76261	0.1105806	0.22908727	2.6452623	21	—	—
239421 2007 TA_{112}	15.4	X	11.64931	309.95526	281.65401	7.40992	0.0495686	0.18901772	3.0070065	21	5 13.0	19.4
239422 2007 TF_{124}	16.7	X	136.81146	156.31816	173.75185	4.05965	0.1507782	0.23366929	2.6105677	21	—	—
239423 2007 TJ_{124}	16.4	X	334.53848	264.11994	69.38314	2.97053	0.0721547	0.20019841	2.8939807	21	8 4.3	19.9
239424 2007 TJ_{138}	17.0	X	194.73194	84.36300	202.24401	3.55884	0.2008529	0.23561946	2.5961430	21	—	—
239425 2007 TG_{140}	15.5	X	29.35298	325.75017	32.86131	26.09505	0.0721798	0.21616810	2.7496346	21	11 22.4	19.4
239426 2007 TU_{141}	15.9	X	18.96795	91.56428	81.72030	3.65988	0.1158032	0.17227660	3.1987860	21	3 15.1	19.8
239427 2007 TM_{146}	15.3	X	122.17920	52.62971	29.65294	9.41132	0.0575810	0.17825517	3.1268565	21	4 5.6	19.8
239428 2007 TR_{147}	16.8	X	71.99436	251.51889	88.36714	3.41442	0.2188984	0.22460088	2.6803721	21	—	—
239429 2007 TK_{148}	15.2	X	132.78315	47.95697	32.68926	17.26158	0.0721987	0.18158606	3.0885007	21	4 17.2	19.6
239430 2007 TP_{153}	15.6	X	154.06593	77.20126	5.11086	8.25773	0.0758861	0.18550640	3.0448328	21	5 9.4	20.2
239431 2007 TV_{154}	15.9	X	195.22847	124.34226	264.30405	2.65619	0.1687723	0.18377681	3.0639070	21	4 18.7	20.9
239432 2007 TY_{154}	15.0	X	87.61396	88.44883	16.81188	21.82992	0.0776738	0.17593395	3.1542997	21	3 27.7	19.3
239433 2007 TQ_{161}	16.1	X	28.84607	318.95086	17.62108	6.59846	0.0511336	0.21358914	2.7717237	21	10 27.4	19.7
239434 2007 TX_{161}	15.4	X	176.60439	214.81831	198.54344	13.21417	0.0731475	0.18464775	3.0542649	21	5 1.6	20.0
239435 2007 TB_{163}	15.8	X	176.70716	191.84970	191.50416	4.85613	0.1410311	0.17886803	3.1197101	21	3 27.9	20.7
239436 2007 TH_{163}	15.9	X	150.57437	70.83048	210.99441	13.41165	0.0464462	0.22531553	2.6747014	21	—	—
239437 2007 TT_{163}	15.8	X	191.03808	12.66720	31.60986	5.77506	0.2120946	0.18352613	3.0666963	21	5 4.2	21.1
239438 2007 TU_{164}	15.8	X	209.21675	341.09875	26.57482	3.08194	0.0878202	0.18118416	3.0930664	21	4 9.1	20.5
239439 2007 TQ_{168}	16.1	X	349.64910	102.20598	232.46599	4.47684	0.0459671	0.20352852	2.8623267	21	8 26.8	19.8
239440 2007 TR_{171}	15.8	X	306.00849	261.87674	133.97153	2.82503	0.0430805	0.20695984	2.8306011	21	9 17.9	19.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
239441 2007 TO_{175}	16.4	X	329.37438	0.84234	357.57484	1.67085	0.0836091	0.20280420	2.8691379	21	8 29.1	19.8
239442 2007 TJ_{177}	15.5	X	232.61542	314.10555	34.00758	10.55917	0.1091002	0.18273650	3.0755245	21	4 9.6	20.2
239443 2007 TY_{177}	15.7	X	156.87523	173.93997	224.72596	8.90413	0.0858023	0.17462584	3.1700324	21	3 21.6	20.6
239444 2007 TQ_{178}	16.2	X	143.96891	78.93774	357.73653	4.45056	0.1641963	0.18278282	3.0750049	21	4 30.1	21.1
239445 2007 TO_{180}	15.9	X	57.19540	55.25812	177.61590	1.52607	0.1586135	0.20075736	2.8886066	21	8 6.4	19.5
239446 2007 TA_{186}	16.2	X	64.19286	281.32092	75.45953	4.82030	0.1176294	0.22435609	2.6823214	21	—	—
239447 2007 TX_{186}	15.7	X	25.91308	292.82629	49.64594	7.19824	0.0573631	0.21390468	2.7689972	21	11 2.6	19.1
239448 2007 TD_{190}	16.2	X	185.64788	206.79978	201.55439	0.50849	0.0819176	0.18993896	2.9972756	21	5 3.7	20.8
239449 2007 TW_{207}	15.4	X	146.62362	323.60449	110.75890	9.67539	0.1722958	0.18071291	3.0984412	21	5 5.6	20.5
239450 2007 TR_{215}	16.2	X	54.95097	41.95032	271.27934	3.86084	0.1514722	0.21245293	2.7815972	21	11 15.9	20.0
239451 2007 TQ_{217}	16.3	X	350.36835	292.75877	20.67817	5.93088	0.0543211	0.19611308	2.9340331	21	8 3.2	20.1
239452 2007 TC_{226}	16.9	X	193.42854	269.69874	38.16464	5.38217	0.2510652	0.24302727	2.5431153	21	1 10.6	21.3
239453 2007 TY_{229}	16.6	X	280.37952	280.57068	62.79420	0.77903	0.1010973	0.19064375	2.9898840	21	5 25.8	20.9
239454 2007 TY_{234}	16.4	X	315.84303	17.88623	317.37269	1.14600	0.0708800	0.20369679	2.8607501	21	7 8.1	19.9
239455 2007 TS_{237}	15.6	X	294.90237	313.43255	38.67971	10.07526	0.0876903	0.19298179	2.9656860	21	6 27.8	19.7
239456 2007 TB_{242}	16.5	X	8.34139	172.76176	226.22363	9.09218	0.1350070	0.29390486	2.2404308	21	—	—
239457 2007 TG_{256}	15.5	X	238.21237	90.06336	181.82369	3.46678	0.0517822	0.16800539	3.2527741	21	1 18.8	20.3
239458 2007 TC_{269}	15.7	X	5.69223	43.12847	190.55154	5.88268	0.0142863	0.18629423	3.0362424	21	5 10.5	19.8
239459 2007 TO_{278}	15.5	X	62.78502	193.55846	349.98006	4.48645	0.0722982	0.18794422	3.0184459	21	5 26.6	19.5
239460 2007 TH_{281}	16.1	X	272.71219	172.80966	214.74967	5.63812	0.0922564	0.19988870	2.8969692	21	7 12.8	20.2
239461 2007 TQ_{281}	16.3	X	299.98025	193.07698	141.13508	0.39962	0.1367325	0.19643707	2.9308061	21	6 3.5	20.2
239462 2007 TK_{289}	15.8	X	136.32309	185.47925	89.01542	8.13793	0.1193376	0.22122860	2.7075420	21	12 21.6	20.1
239463 2007 TX_{316}	15.5	X	108.97277	199.54438	60.51276	10.19831	0.1043986	0.21100105	2.7943425	21	11 6.7	19.7
239464 2007 TT_{347}	16.5	X	295.55936	235.91243	142.41286	4.27424	0.1101474	0.21012696	2.8020864	21	7 30.7	20.0
239465 2007 TZ_{373}	15.3	X	208.81923	62.17359	353.22592	10.29908	0.0227895	0.19125083	2.9835535	21	6 7.7	19.7
239466 2007 TJ_{375}	15.9	X	39.04713	171.67515	161.44977	8.95173	0.0225634	0.21770426	2.7366847	21	11 6.3	19.7
239467 2007 TO_{375}	17.0	X	343.17022	182.44063	104.83288	3.77375	0.2184605	0.27338102	2.3512049	21	5 26.3	18.5
239468 2007 TR_{388}	15.8	X	348.35353	164.55016	126.63026	2.84659	0.0642106	0.19691387	2.9260731	21	6 28.1	19.4
239469 2007 TG_{428}	15.5	X	319.14209	134.00294	112.13279	4.26201	0.1255580	0.17548687	3.1596547	21	3 14.2	19.7
239470 2007 TS_{443}	16.3	X	245.75163	252.26407	140.52016	3.58686	0.0932743	0.19340121	2.9613967	21	6 17.6	20.6
239471 2007 UZ_{8}	15.9	X	223.68168	182.81107	167.68214	10.01635	0.1374252	0.18242252	3.0790525	21	4 2.1	20.8
239472 2007 UF_{12}	16.7	X	262.18048	66.86678	231.11412	2.21119	0.1165047	0.25993999	2.4315730	21	2 25.2	20.1
239473 2007 UT_{14}	15.2	X	187.36994	245.10181	106.93626	16.86160	0.0868146	0.17584862	3.1553200	21	3 5.4	20.3
239474 2007 UF_{17}	16.2	X	286.42413	133.30718	209.30296	1.32837	0.1092344	0.19467544	2.9484603	21	5 31.4	20.2
239475 2007 UX_{20}	15.7	X	136.01206	251.99754	18.08988	17.59831	0.1059969	0.22177862	2.7030636	21	12 13.4	20.2
239476 2007 UF_{21}	16.1	X	233.25825	2.77243	29.89710	1.05864	0.0464135	0.19025854	2.9939183	21	6 7.7	20.3
239477 2007 UB_{26}	15.6	X	81.37951	115.00546	56.95611	10.72925	0.0758472	0.18338037	3.0683212	21	6 6.9	19.8
239478 2007 UJ_{29}	16.4	X	7.44247	3.93198	338.81382	1.48545	0.0819533	0.20969302	2.8059509	21	10 7.8	19.8
239479 2007 UX_{35}	16.6	X	176.08802	235.97767	80.07268	5.26384	0.1159945	0.24062881	2.5599862	21	—	—
239480 2007 UW_{37}	16.2	X	18.23253	242.98186	111.39341	6.87792	0.0582570	0.21423264	2.7661705	21	11 9.4	19.8
239481 2007 UX_{40}	17.1	X	116.87352	240.04699	17.34968	4.05384	0.1624332	0.21433370	2.7653010	21	11 13.3	21.5
239482 2007 UM_{59}	15.9	X	199.99492	321.01852	32.58462	1.74436	0.0657500	0.17483845	3.1674621	21	3 15.1	20.7
239483 2007 UF_{80}	16.8	X	342.14774	82.49387	235.25028	0.87114	0.0827565	0.19811077	2.9142759	21	7 23.8	20.4
239484 2007 UC_{84}	15.8	X	271.82612	63.56647	227.64106	2.54451	0.1675941	0.17815633	3.1280130	21	3 4.3	20.7
239485 2007 UQ_{86}	16.3	X	75.23783	121.35953	156.15573	2.30259	0.0394071	0.20503863	2.8482554	21	10 11.4	20.3
239486 2007 UT_{95}	16.6	X	310.51306	323.56795	35.31990	2.20931	0.0919000	0.20159623	2.8805878	21	7 30.3	20.2
239487 2007 UD_{105}	15.2	X	107.52720	251.57300	77.02266	12.13679	0.2189511	0.22451532	2.6810530	21	—	—
239488 2007 UL_{107}	15.3	X	188.02566	335.07974	69.81679	10.69954	0.1606820	0.18131369	3.0915930	21	5 5.2	20.5
239489 2007 UA_{113}	15.6	X	183.82022	249.74635	44.88812	7.79534	0.1987824	0.23380349	2.6095686	21	—	—
239490 2007 UN_{118}	16.2	X	23.66757	279.56007	332.30918	1.27129	0.0387257	0.18971099	2.9996763	21	6 27.7	20.0
239491 2007 UE_{128}	15.5	X	336.26530	179.08654	150.28003	11.11451	0.1144505	0.19905944	2.9050094	21	7 27.5	18.9
239492 2007 UQ_{133}	15.8	X	234.94056	274.35110	83.69237	6.17493	0.1104335	0.18203299	3.0834434	21	4 24.5	20.6
239493 2007 VO_{34}	15.2	X	20.19983	164.51388	63.48991	17.06456	0.0190827	0.18271974	3.0757125	21	5 22.1	19.4
239494 2007 VN_{52}	15.7	X	233.36730	286.26847	74.38829	9.65790	0.0913166	0.18225719	3.0809141	21	4 28.2	20.4
239495 2007 VU_{52}	15.7	X	321.61301	105.84041	210.93953	8.70782	0.1194843	0.19201768	2.9756047	21	6 15.6	19.4
239496 2007 VV_{57}	15.5	X	336.91436	215.01745	112.40894	6.19133	0.0102562	0.19392774	2.9560340	21	8 2.2	19.6
239497 2007 VR_{73}	16.6	X	157.21339	246.72354	46.53313	2.52538	0.2790480	0.22719291	2.6599463	21	—	—
239498 2007 VF_{84}	15.1	X	132.69623	138.82947	282.48724	8.80114	0.0451357	0.17326082	3.1866606	21	3 16.2	19.9
239499 2007 VP_{97}	16.5	X	141.07940	306.21234	17.31335	4.87538	0.2325089	0.23229156	2.6208798	21	—	—
239500 2007 VF_{122}	15.6	X	348.48845	221.36769	31.89064	8.72841	0.0010543	0.18203099	3.0834660	21	5 11.5	19.9
239501 2007 VF_{127}	16.0	X	150.87325	215.95628	226.32054	2.86463	0.1257963	0.18565635	3.0431932	21	5 12.1	20.7
239502 2007 VP_{164}	14.9	X	253.31056	260.14926	62.96028	16.48265	0.2834519	0.18195710	3.0843007	21	3 24.6	20.4
239503 2007 VH_{165}	15.1	X	359.90135	4.87997	69.79819	10.99748	0.0758479	0.14686358	3.5578965	21	—	—
239504 2007 VJ_{171}	16.1	X	315.47225	327.98996	328.38252	3.99255	0.1030238	0.18645152	3.0345346	21	5 10.8	20.1
239505 2007 VR_{189}	15.3	X	325.69428	178.29133	101.27107	11.04778	0.0546266	0.18271403	3.0757766	21	5 14.9	19.6
239506 2007 VD_{204}	17.1	X	156.42376	127.11007	173.27113	5.36032	0.1843137	0.22930417	2.6435940	21	—	—
239507 2007 VL_{214}	15.2	X	292.23552	203.58393	79.17270	11.50760	0.0795503	0.17768905	3.1334946	21	4 4.4	19.8
239508 2007 VG_{215}	16.3	X	97.01309	300.08755	41.21377	9.01886	0.2503333	0.22582345	2.6706892	21	—	—
239509 2007 VP_{232}	15.1	X	274.19438	255.46379	60.90735	11.18416	0.0780956	0.18059137	3.0998313	21	4 21.3	19.6
239510 2007 VY_{232}	16.6	X	55.67467	87.10487	230.40662	3.07434	0.2005072	0.21196923	2.7858271	21	11 29.6	20.6
239511 2007 VF_{269}	15.3	X	233.81216	264.30376	92.46032	8.28322	0.0738806	0.18223146	3.0812041	21	4 25.7	20.0
239512 2007 VM_{275}	15.7	X	316.01768	200.89161	66.45877	5.78881	0.1045551	0.17661818	3.1461478	21	4 8.9	19.9
239513 2007 VY_{286}	15.3	X	108.74306	103.16407	65.85184	9.69659	0.0447739	0.18924406	3.0046084	21	7 4.7	19.7
239514 2007 VN_{298}	15.1	X	118.01387	343.20872	103.60015	21.18433	0.1691989	0.17425309	3.1745516	21	4 29.2	20.3
239515 2007 WH_{23}	15.6	X	251.75286	185.05678	105.93544	3.59256	0.0721006	0.17247342	3.1963520	21	2 23.9	20.4
239516 2007 WX_{60}	15.6	X	79.07152	45.49776	257.61002	6.75471	0.2158580	0.21232260	2.7827353	21	12 7.8	19.9
239517 2007 XD_{23}	15.0	X	322.06911	188.67179	85.99489	9.88176	0.0539625	0.18055901	3.1002017	21	5 3.8	19.3
239518 2008 AL_{8}	15.4	X	68.99925	29.92296	302.57759	14.22611	0.1451676	0.20396513	2.8582405	21	12 24.8	19.7
239519 2008 DJ_{54}	15.1	X	169.06657	94.72776	0.80457	10.01926	0.0754410	0.17214904	3.2003660	21	6 13.2	20.1
239520 2008 GD_{90}	17.8	X	289.49802	207.24787	103.79620	2.23892	0.1261647	0.30271822	2.1967317	21	4 11.9	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
239521 2008 HX_3	12.7	X	359.55677	130.01523	126.88377	18.22222	0.0343883	0.08188783	5.2519811	21	6 7.7	19.6
239522 2008 OG_{24}	16.4	X	242.02032	81.04376	317.75837	4.17189	0.1355687	0.21692260	2.7432551	21	6 15.8	20.5
239523 2008 PG	17.3	X	25.46383	157.47564	154.52169	23.67636	0.0148117	0.38528613	1.8704544	21	10 16.6	19.4
239524 2008 QA_{31}	15.5	X	94.88165	90.83830	326.42278	15.59045	0.2063667	0.18414842	3.0597837	21	2 18.9	19.6
239525 2008 RW_8	15.8	X	80.43768	210.52491	166.67992	10.16687	0.1521348	0.17326558	3.1866022	21	—	—
239526 2008 RE_{22}	16.8	X	212.27116	23.70483	359.75333	7.38927	0.1241337	0.28294378	2.2979255	21	4 20.5	20.2
239527 2008 RC_{32}	17.8	X	125.94866	117.05987	353.10061	2.38728	0.1564804	0.27907616	2.3191075	21	5 18.6	20.9
239528 2008 RX_{35}	17.5	X	80.93825	90.43341	341.89677	1.10528	0.1571282	0.26041264	2.4286299	21	1 24.7	19.9
239529 2008 RO_{57}	17.4	X	306.35268	162.39816	287.50540	1.45476	0.2476677	0.23313848	2.6145287	21	11 14.0	19.3
239530 2008 RL_{94}	16.8	X	108.32626	56.42891	3.01300	8.75157	0.1346845	0.26336341	2.4104553	21	2 17.9	19.7
239531 2008 RK_{96}	14.9	X	161.76116	82.52094	11.40284	7.27084	0.2062027	0.12337186	3.9963051	21	6 9.7	21.4
239532 2008 RT_{97}	17.6	X	1.39943	126.83527	221.16761	2.62656	0.1569192	0.30036149	2.2082075	21	10 30.9	19.4
239533 2008 SS_5	17.1	X	266.55705	289.12519	120.94525	5.11410	0.1556136	0.29490509	2.2353620	21	7 29.4	19.6
239534 2008 SO_{12}	17.1	X	344.29024	182.40248	193.13633	5.58664	0.1479947	0.30432086	2.1890124	21	11 10.1	18.7
239535 2008 SF_{26}	18.0	X	158.19222	313.68526	136.84226	3.17662	0.1857169	0.27945332	2.3170204	21	5 29.9	21.6
239536 2008 ST_{29}	17.1	X	188.17097	168.40339	204.97044	6.11508	0.0991251	0.27233343	2.3572306	21	3 14.2	20.6
239537 2008 SW_{31}	17.0	X	20.26261	308.67319	302.32338	5.33197	0.1350029	0.28990768	2.2609775	21	6 26.1	18.7
239538 2008 SW_{38}	16.3	X	224.82382	247.45693	178.78627	6.39036	0.0268452	0.21291108	2.7776054	21	7 12.1	20.3
239539 2008 SJ_{39}	17.5	X	53.09811	350.24908	78.34653	1.72947	0.1219345	0.25219813	2.4810840	21	—	—
239540 2008 SG_{44}	17.5	X	222.36459	236.81833	193.59451	6.87113	0.0597977	0.28917687	2.2647852	21	7 11.6	20.6
239541 2008 SW_{81}	15.9	X	341.56649	39.80647	335.50451	12.98816	0.1962548	0.22710923	2.6605997	21	10 9.3	18.6
239542 2008 SS_{90}	15.7	X	278.17598	31.42595	239.35137	3.13285	0.0206178	0.19184190	2.9774221	21	3 2.2	19.9
239543 2008 SZ_{92}	15.7	X	39.27851	173.14106	253.57475	4.80985	0.1435108	0.17104501	3.2141226	21	—	—
239544 2008 SH_{93}	15.8	X	287.63840	139.91621	229.87632	6.20030	0.0490090	0.21428911	2.7656845	21	7 15.9	19.5
239545 2008 SC_{98}	16.4	X	140.42299	65.16052	357.52852	2.53912	0.0650869	0.19262239	2.9693737	21	3 31.3	20.7
239546 2008 SN_{98}	17.4	X	83.57019	333.78709	173.25925	7.56192	0.1524170	0.27313361	2.3526245	21	5 16.8	20.2
239547 2008 SZ_{101}	16.4	X	64.86326	189.89187	13.27347	2.42645	0.0460764	0.20502161	2.8484130	21	6 21.5	20.2
239548 2008 SL_{103}	16.7	X	343.69044	257.95689	199.69836	8.00200	0.1284500	0.23958845	2.5673917	21	—	—
239549 2008 SW_{105}	16.0	X	61.18959	264.57737	192.69473	3.84949	0.0546391	0.18117619	3.0931570	21	2 2.5	20.2
239550 2008 SF_{115}	17.2	X	106.72105	17.25981	143.06977	5.24339	0.0879073	0.28391766	2.2926677	21	6 25.5	20.0
239551 2008 SZ_{130}	17.0	X	21.63396	203.97029	345.39545	2.70529	0.1614290	0.26947962	2.3738436	21	3 19.5	18.7
239552 2008 SH_{136}	17.0	X	225.21950	308.65536	288.20911	3.17568	0.0167417	0.25000546	2.4955698	21	—	—
239553 2008 SL_{138}	15.9	X	327.58507	212.18133	168.76563	6.52651	0.1036414	0.22331804	2.6906271	21	9 28.3	18.9
239554 2008 SG_{147}	16.5	X	1.05514	60.48744	326.45013	10.19048	0.0656174	0.23280968	2.6169898	21	11 26.9	19.9
239555 2008 SD_{156}	16.6	X	302.18144	259.58217	139.49220	3.73208	0.1160750	0.22428903	2.6828560	21	9 9.5	19.7
239556 2008 SO_{163}	17.2	X	76.43660	74.95889	21.32527	10.80918	0.2107357	0.26152323	2.4217494	21	3 5.4	19.6
239557 2008 SX_{173}	16.8	X	157.27797	227.28969	207.11609	21.16791	0.1011565	0.35623072	1.9708268	21	4 25.0	19.1
239558 2008 SQ_{176}	15.8	X	144.90652	253.67131	178.26860	12.12512	0.0240987	0.19777272	2.9175958	21	4 14.3	20.0
239559 2008 SX_{176}	16.1	X	326.10461	234.96429	134.94271	6.91703	0.0208853	0.22252550	2.6970119	21	9 16.0	19.6
239560 2008 SO_{189}	16.4	X	258.75146	84.30143	6.34746	8.85707	0.2102125	0.22009384	2.7168404	21	9 3.7	20.2
239561 2008 SK_{196}	17.6	X	107.04407	149.01742	45.24965	3.85647	0.0851675	0.28873977	2.2670703	21	8 15.7	20.4
239562 2008 SM_{204}	17.0	X	66.36531	349.05022	180.45446	6.85466	0.1226676	0.27274882	2.3548367	21	5 16.8	19.5
239563 2008 SG_{279}	17.5	X	62.67171	186.38182	38.11694	7.62072	0.0496321	0.28795189	2.2712038	21	7 21.7	20.2
239564 2008 SE_{285}	16.1	X	0.64228	30.26123	70.63401	16.88765	0.1416127	0.24436304	2.5338391	21	—	—
239565 2008 SH_{296}	17.7	X	230.63293	255.73320	136.24311	4.54472	0.1697701	0.28436031	2.2902878	21	5 21.9	21.2
239566 2008 SV_{299}	16.0	X	305.50894	190.60767	156.37053	5.51096	0.0476805	0.21332359	2.7740234	21	7 11.2	19.7
239567 2008 SD_{302}	16.0	X	161.05642	136.34139	343.48564	3.81609	0.0118738	0.20908777	2.8113632	21	7 3.3	19.9
239568 2008 TE_5	17.1	X	311.27328	38.38638	34.65888	2.62019	0.1978444	0.23006858	2.6377350	21	11 4.7	19.3
239569 2008 TU_{39}	16.9	X	221.04766	100.06051	24.75670	5.06401	0.0596397	0.22038411	2.7144543	21	9 21.8	20.8
239570 2008 TC_{54}	17.0	X	4.31545	346.16140	165.72301	5.02717	0.1171288	0.25915487	2.4364816	21	—	—
239571 2008 TV_{57}	18.0	X	170.82425	74.85927	30.39589	3.39400	0.0634242	0.28547932	2.2842990	21	6 26.9	20.9
239572 2008 TR_{59}	17.5	X	80.91606	56.99294	44.30109	3.59428	0.1352949	0.26320536	2.4114202	21	3 5.2	20.1
239573 2008 TH_{74}	16.8	X	20.49495	32.19421	10.11903	2.69697	0.1057442	0.23799050	2.5788711	21	—	—
239574 2008 TY_{86}	17.5	X	98.13361	171.97056	299.24255	1.89868	0.1455620	0.26917660	2.3756248	21	4 12.9	20.4
239575 2008 TY_{89}	17.3	X	186.84879	273.95325	202.51942	4.68158	0.0668175	0.28938806	2.2636832	21	7 31.3	20.4
239576 2008 TS_{93}	17.3	X	203.75635	283.78513	158.62328	4.38360	0.1020880	0.28783380	2.2718249	21	7 3.3	20.6
239577 2008 TD_{103}	17.2	X	109.59279	61.19553	30.54173	7.17646	0.1435017	0.26764465	2.3846812	21	4 3.9	20.2
239578 2008 TO_{110}	16.4	X	207.13139	279.65468	342.65307	6.26251	0.1037890	0.25375389	2.4709326	21	—	—
239579 2008 TF_{118}	16.7	X	159.84222	38.72521	37.37498	7.37217	0.0658398	0.27459617	2.3442633	21	5 3.2	19.8
239580 2008 TP_{140}	15.5	X	259.15270	129.50946	342.37970	14.86809	0.1329483	0.22925135	2.6440000	21	10 5.9	19.2
239581 2008 TT_{165}	15.8	X	86.20246	282.22238	159.04881	7.51597	0.1152659	0.18381031	3.0635347	21	2 24.5	19.9
239582 2008 TX_{169}	16.1	X	56.41862	356.23972	255.55992	5.03375	0.0417521	0.21504831	2.7591715	21	8 11.9	19.9
239583 2008 TC_{172}	16.7	X	318.34416	347.63931	207.87811	6.11122	0.1491754	0.25254101	2.4788378	21	—	—
239584 2008 TL_{185}	16.7	X	254.41476	273.96548	155.58662	3.33490	0.0526928	0.21468545	2.7622796	21	8 21.1	20.5
239585 2008 UU_7	17.6	X	60.74041	114.94897	341.69626	0.71973	0.1506600	0.26040002	2.4287084	21	1 21.1	19.7
239586 2008 UY_9	17.1	X	24.96382	328.50986	183.18277	2.33233	0.1072231	0.26569457	2.3963354	21	1 31.0	19.5
239587 2008 UH_{18}	17.7	X	356.42099	234.62180	14.26275	3.24187	0.1603872	0.28263174	2.2996165	21	4 26.8	19.3
239588 2008 UU_{30}	17.8	X	121.29115	340.50672	185.11555	3.33326	0.0822275	0.28426172	2.2908174	21	7 20.8	20.8
239589 2008 UW_{32}	17.6	X	155.07920	136.70313	84.73793	4.26935	0.1046054	0.30525601	2.1845395	21	11 18.0	20.6
239590 2008 UY_{33}	17.0	X	295.98946	210.54319	58.54507	4.81528	0.1377106	0.27425180	2.3462253	21	2 25.1	20.1
239591 2008 UX_{37}	17.7	X	168.94544	184.23265	21.87165	5.08914	0.0641365	0.30328139	2.1940114	21	11 13.2	20.4
239592 2008 UO_{54}	16.8	X	46.15231	28.01204	222.28435	5.30283	0.1773195	0.28513717	2.2861260	21	8 20.3	19.2
239593 Tianwenbang	17.3	X	160.39424	280.31444	162.23432	3.60416	0.0650747	0.27653860	2.3332730	21	5 14.2	20.5
239594 2008 UL_{58}	17.6	X	195.66511	343.91271	160.88213	4.13215	0.0857628	0.29620873	2.2287985	21	9 21.6	20.6
239595 2008 UN_{74}	15.6	X	38.39891	358.68961	276.19574	7.31997	0.1576942	0.21322009	2.7749211	21	9 1.1	19.1
239596 2008 UZ_{75}	16.8	X	317.45448	173.32873	36.05455	6.25957	0.0704564	0.25550798	2.4596109	21	1 16.9	20.0
239597 2008 UL_{98}	16.2	X	59.07876	357.83592	96.18806	7.13997	0.1017975	0.25382209	2.4704900	21	1 13.2	18.8
239598 2008 UE_{114}	16.5	X	285.91851	45.72958	4.14613	3.20777	0.1458069	0.21804291	2.7338504	21	8 24.8	19.8
239599 2008 UQ_{114}	16.6	X	283.61361	164.70988	297.80737	2.53732	0.0548788	0.22852412	2.6496064	21	11 13.2	19.8
239600 2008 UO_{140}	17.4	X	68.11167	100.06781	40.49884	3.35734	0.1193843	0.26519662	2.3993341	21	4 5.9	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
239601 2008 UY_{141}	17.2	X	178.97837	321.91028	58.52006	2.43399	0.1062849	0.26718474	2.3874170	21	3 17.2	20.5
239602 2008 UE_{148}	16.7	X	41.39777	34.59358	31.04250	1.82027	0.1155054	0.24452628	2.5327113	21	—	—
239603 2008 UA_{149}	16.7	X	115.96220	87.59326	47.65388	7.72985	0.0541054	0.27471274	2.3436001	21	5 27.2	19.5
239604 2008 UH_{154}	17.6	X	162.13921	38.61301	207.03818	0.92477	0.1144727	0.31073296	2.1587938	21	12 27.0	20.5
239605 2008 UP_{156}	16.5	X	358.75187	219.55172	220.38110	2.62179	0.1033653	0.23819194	2.5774169	21	—	—
239606 2008 UC_{167}	15.7	X	141.19577	38.12353	218.52697	14.55676	0.1441225	0.23374590	2.6099972	21	12 7.0	20.0
239607 2008 US_{192}	17.5	X	111.93880	338.59582	101.68946	4.18850	0.0989355	0.26509656	2.3999378	21	3 16.7	20.5
239608 2008 UL_{197}	17.0	X	318.62452	331.14864	105.42466	3.30807	0.0768333	0.23051022	2.6343649	21	12 1.0	20.1
239609 2008 UU_{202}	16.2	X	14.67220	46.89944	313.28721	4.81032	0.0725786	0.23068279	2.6330509	21	11 12.3	19.4
239610 2008 UY_{211}	16.1	X	65.36677	116.95470	45.63186	6.74477	0.1920950	0.18652366	3.0337521	21	5 20.9	19.9
239611 Likwohting	16.9	X	128.86482	333.33717	176.71291	5.33137	0.0191928	0.28296213	2.2978262	21	7 1.1	19.8
239612 2008 UU_{212}	17.3	X	242.95527	342.39880	171.01848	3.00211	0.1064396	0.22892505	2.6465118	21	11 18.5	20.9
239613 2008 UW_{220}	15.8	X	178.61505	340.75539	124.02192	4.91157	0.0589771	0.21023872	2.8010934	21	7 5.7	19.8
239614 2008 UB_{223}	16.7	X	309.98574	219.40228	29.15203	10.04003	0.0763043	0.26631293	2.3926245	21	2 28.5	19.8
239615 2008 UR_{238}	17.0	X	258.00014	102.59951	329.99364	3.02038	0.0824168	0.21540638	2.7561129	21	8 25.5	20.6
239616 2008 US_{239}	16.0	X	243.17562	292.95074	260.20347	12.49457	0.0843386	0.23768082	2.5811107	21	—	—
239617 2008 UM_{245}	16.5	X	66.98562	40.35897	326.82258	2.93286	0.1814808	0.24027922	2.5624688	21	—	—
239618 2008 UT_{250}	16.1	X	195.81219	121.65572	225.21578	8.28588	0.1130585	0.18789117	3.0190140	21	2 25.9	21.0
239619 2008 US_{253}	17.1	X	330.89881	52.87141	57.97917	3.93102	0.1480366	0.23816577	2.5776057	21	—	—
239620 2008 UR_{270}	16.0	X	196.67638	280.60623	190.68420	1.96970	0.0288316	0.21477933	2.7614747	21	8 5.5	19.7
239621 2008 UO_{290}	17.4	X	354.45443	59.04804	193.51484	4.30066	0.0650053	0.27374636	2.3491125	21	5 10.2	19.8
239622 2008 UZ_{320}	14.9	X	179.81725	294.54451	257.98270	24.04962	0.2374805	0.21859938	2.7292088	21	10 14.8	20.0
239623 2008 UG_{338}	16.0	X	316.55408	66.51115	17.30784	7.49728	0.1040802	0.22888834	2.6467947	21	12 4.4	19.0
239624 2008 UZ_{351}	15.1	X	110.98599	262.04923	162.22340	19.39373	0.1092292	0.18181484	3.0859094	21	3 6.8	19.5
239625 2008 UR_{358}	16.7	X	260.02064	245.29890	184.96699	8.61713	0.1198034	0.21303796	2.7765024	21	8 17.3	20.6
239626 2008 UK_{369}	16.2	X	301.52066	244.16212	249.71548	10.22427	0.0856533	0.23596760	2.5935888	21	—	—
239627 2008 VW_{1}	16.7	X	358.61874	76.97413	353.32619	12.78856	0.0875703	0.23910804	2.5708294	21	—	—
239628 2008 VM_{10}	16.8	X	9.71596	40.83355	44.97970	4.05064	0.0811178	0.23979201	2.5659385	21	—	—
239629 2008 VB_{11}	16.8	X	273.96946	95.95768	173.15784	4.73551	0.0859905	0.26297874	2.4128054	21	2 3.9	20.3
239630 2008 VV_{14}	16.8	X	353.16856	342.43370	252.52871	5.66998	0.0708829	0.27136366	2.3628433	21	4 7.9	19.4
239631 2008 VU_{41}	16.8	X	330.37642	33.21314	107.77879	5.92922	0.1716464	0.24331190	2.5411315	21	—	—
239632 2008 VW_{59}	17.0	X	20.45859	201.44677	196.86283	2.93916	0.2137815	0.23641560	2.5903113	21	—	—
239633 2008 VN_{70}	16.8	X	272.47831	142.53663	109.63698	3.66185	0.1245399	0.25656995	2.4528191	21	1 10.5	20.3
239634 2008 VD_{76}	16.6	X	158.47554	111.68079	166.02429	3.55532	0.1448464	0.24100801	2.5573003	21	—	—
239635 2008 WW_{12}	16.1	X	134.57770	264.77554	164.21236	4.17677	0.1853229	0.18709240	3.0276008	21	4 15.9	20.9
239636 2008 WX_{13}	15.3	X	253.14923	211.20806	51.36875	8.86711	0.1481832	0.17867132	3.1219994	21	1 16.9	20.3
239637 2008 WP_{24}	16.9	X	9.26380	114.66697	297.67535	0.78285	0.1521531	0.23518530	2.5993371	21	—	—
239638 2008 WT_{25}	17.0	X	79.53603	228.24220	112.97838	3.89559	0.1768535	0.31659793	2.1320498	21	—	—
239639 2008 WF_{35}	17.1	X	92.36382	25.28634	158.89885	3.10121	0.0928009	0.28230328	2.3014000	21	7 10.7	19.9
239640 2008 WV_{38}	17.3	X	276.74641	326.77120	189.47702	1.39758	0.0508504	0.23597141	2.5935610	21	—	—
239641 2008 WX_{41}	17.0	X	4.17322	87.32451	19.36957	2.16812	0.0754920	0.24330995	2.5411451	21	—	—
239642 2008 WO_{45}	16.0	X	240.58945	118.97286	65.81531	3.39633	0.1277006	0.23118193	2.6292596	21	12 21.9	19.6
239643 2008 WQ_{46}	16.2	X	208.54040	59.56148	37.11052	2.48851	0.0257505	0.20663889	2.8335312	21	8 2.6	20.2
239644 2008 WX_{53}	16.5	X	296.52529	69.95474	58.53856	13.43195	0.1219924	0.23545255	2.5973698	21	—	—
239645 2008 WQ_{58}	15.2	X	260.03672	22.15184	253.47300	10.84772	0.0240453	0.18192425	3.0846720	21	2 12.4	19.9
239646 2008 WS_{66}	16.4	X	71.24366	39.15530	72.93615	6.75946	0.1065904	0.25799383	2.4437860	21	3 3.5	19.1
239647 2008 WW_{66}	16.8	X	265.86379	87.54848	77.04273	5.90345	0.1109956	0.23325121	2.6136862	21	—	—
239648 2008 WJ_{68}	16.0	X	48.06534	71.05538	97.26152	3.16269	0.1902836	0.18285838	3.0741577	21	5 1.7	19.5
239649 2008 WB_{69}	16.6	X	8.62244	263.18322	134.88345	2.22515	0.1689871	0.23148107	2.6269939	21	—	—
239650 2008 WT_{70}	16.9	X	37.57098	47.13044	24.45716	0.79348	0.0927823	0.24118294	2.5560636	21	—	—
239651 2008 WK_{76}	17.2	X	74.45055	11.89220	197.39787	3.87879	0.1052669	0.28039432	2.3118336	21	7 22.9	20.0
239652 2008 WA_{94}	16.2	X	11.68921	53.90871	3.94615	14.81218	0.0942578	0.23682887	2.5872970	21	—	—
239653 2008 WF_{98}	15.1	X	94.01920	44.25733	85.44473	28.26977	0.1434441	0.18084059	3.0969827	21	5 19.6	19.8
239654 2008 WX_{100}	15.6	X	100.36952	325.35388	93.88364	2.28961	0.1912367	0.17601599	3.1533194	21	2 28.9	19.9
239655 2008 WQ_{107}	16.7	X	176.77743	43.35689	117.90029	4.33576	0.1264793	0.21084747	2.7956992	21	9 14.9	21.0
239656 2008 WR_{123}	16.2	X	244.49582	208.56719	59.21734	6.22742	0.1315494	0.25288057	2.4766183	21	1 2.5	20.1
239657 2008 WL_{124}	15.6	X	123.34306	355.86189	82.54056	10.88739	0.1470258	0.18413299	3.0599546	21	4 16.2	20.3
239658 2008 WG_{125}	16.8	X	76.39874	308.29461	14.01212	0.73328	0.0681331	0.22394095	2.6856353	21	12 13.9	20.4
239659 2008 WM_{130}	16.3	X	239.61504	43.43848	70.94741	4.74633	0.0495438	0.21269185	2.7795136	21	10 2.8	20.2
239660 2008 WR_{132}	15.9	X	346.26596	326.66542	140.84172	14.98251	0.1317495	0.24043314	2.5613750	21	—	—
239661 2008 WQ_{134}	16.6	X	93.79643	331.57319	338.66499	2.84320	0.0594410	0.22460052	2.6803749	21	12 18.2	20.4
239662 2008 WU_{134}	16.5	X	8.46679	174.14585	69.47471	9.71254	0.1448094	0.27327372	2.3518203	21	5 19.6	18.3
239663 2008 WV_{135}	16.4	X	92.98544	337.21461	119.33461	2.38004	0.1443700	0.17993633	3.1073498	21	3 30.4	20.6
239664 2008 XE	15.3	X	221.20792	309.37856	94.25213	13.25812	0.0928353	0.19657733	2.9294118	21	6 5.1	19.7
239665 2008 XJ_{36}	16.0	X	178.29866	107.82087	60.07623	10.09906	0.0899214	0.21388203	2.7691927	21	9 29.3	20.3
239666 2008 XS_{39}	16.5	X	221.02197	51.24969	8.83647	1.80545	0.0649241	0.20125649	2.8838287	21	6 26.8	20.6
239667 2008 XT_{51}	15.0	X	64.63747	60.18437	44.45327	14.03505	0.1488166	0.17173769	3.2054743	21	3 9.4	19.3
239668 2008 XU_{53}	16.3	X	70.92802	326.25103	141.63884	1.35683	0.1476300	0.17700205	3.1415973	21	3 14.6	20.3
239669 2008 XZ_{55}	16.9	X	314.86117	229.65532	218.22569	3.71778	0.1038831	0.22813090	2.6526501	21	12 8.6	19.9
239670 2008 XC_{56}	15.8	X	84.82908	281.76820	177.83382	6.60488	0.0993230	0.17949611	3.1124283	21	3 15.8	20.1
239671 2008 XD_{56}	16.1	X	272.68634	299.45657	140.14025	7.25140	0.0836214	0.21671729	2.7449873	21	9 25.9	19.7
239672 SOFIA	15.8	X	230.49817	17.49311	78.32520	10.28711	0.0960256	0.20433523	2.8547881	21	8 24.1	20.1
239673 2008 YV_{22}	16.4	X	270.28241	171.20493	245.93230	1.12084	0.0567724	0.20315188	2.8658634	21	8 23.9	20.4
239674 2008 YD_{23}	16.0	X	252.43353	354.76470	106.30350	9.09798	0.1113067	0.21494543	2.7600519	21	9 25.2	19.9
239675 Mottez	16.6	X	317.66769	7.93442	263.73249	2.88375	0.1426525	0.26625074	2.3929971	21	3 25.8	19.6
239676 2008 YM_{32}	15.3	X	59.77442	326.29127	60.52889	9.41601	0.2267817	0.23807739	2.5782436	21	—	—
239677 2008 YM_{37}	15.8	X	95.83002	172.24601	119.20449	10.52890	0.1199434	0.21623814	2.7490408	21	12 3.7	20.0
239678 2008 YW_{51}	16.8	X	196.12267	329.80695	26.95343	2.36514	0.2039031	0.25751086	2.4468407	21	3 8.3	20.7
239679 2008 YA_{55}	15.7	X	222.91549	282.61849	106.09208	10.77989	0.0517158	0.18630741	3.0360993	21	5 23.8	20.3
239680 2008 YM_{57}	15.9	X	141.30285	110.60417	344.08442	2.94080	0.0790803	0.18634426	3.0356989	21	5 12.4	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
239681 2008 YL_{60}	15.6	X	144.98019	186.35748	89.50882	9.52544	0.1501138	0.22444044	2.6816492	21	12 31.6	20.0
239682 2008 YY_{63}	16.3	X	43.82956	251.37777	138.13813	6.50567	0.0308690	0.22777344	2.6554248	21	—	—
239683 2008 YA_{64}	15.8	X	149.84783	345.48481	148.29092	5.42276	0.0531574	0.19342521	2.9611518	21	7 9.2	20.1
239684 2008 YR_{80}	16.1	X	267.09058	10.36257	55.87055	2.90544	0.0490973	0.20611795	2.8383035	21	9 4.1	19.9
239685 2008 YJ_{86}	16.8	X	90.56360	302.68335	79.66602	1.22969	0.0564286	0.24027546	2.5624954	21	—	—
239686 2008 YE_{90}	16.2	X	233.18179	132.44348	114.86766	7.01578	0.1133788	0.23801417	2.5787001	21	—	—
239687 2008 YJ_{100}	17.0	X	230.12306	331.19196	318.22457	1.59455	0.1878912	0.24550728	2.5259600	21	1 15.5	21.3
239688 2008 YZ_{101}	16.1	X	15.77730	326.62649	276.19980	4.11023	0.0950150	0.18718001	3.0266560	21	6 6.1	19.6
239689 2008 YC_{104}	16.0	X	20.08322	143.58235	102.08012	2.52979	0.1040396	0.18742230	3.0240471	21	6 17.8	19.5
239690 2008 YC_{111}	16.3	X	124.29756	102.66025	8.05711	1.66631	0.0473338	0.19100367	2.9861268	21	5 9.4	20.5
239691 2008 YY_{120}	16.8	X	116.56918	292.32309	68.24457	2.16019	0.1256974	0.24204744	2.5499738	21	—	—
239692 2008 YV_{124}	14.8	X	89.92983	260.54537	0.53279	2.29591	0.1904813	0.12736437	3.9123474	21	10 17.1	20.6
239693 2008 YP_{132}	15.0	X	173.55109	307.50475	6.31408	10.96552	0.0325431	0.16213777	3.3307848	21	—	—
239694 2008 YL_{139}	15.9	X	81.71410	4.65225	141.25134	1.15768	0.0720507	0.18190133	3.0849311	21	5 5.6	20.2
239695 2008 YJ_{144}	16.1	X	103.50004	162.02251	134.14707	5.51174	0.1024827	0.21845689	2.7303954	21	12 14.7	20.2
239696 2008 YN_{146}	15.7	X	332.15139	118.00171	130.79898	14.31907	0.2367381	0.17215465	3.2002965	21	3 24.1	19.7
239697 2008 YV_{146}	16.3	X	266.36341	67.61262	112.80252	5.37885	0.1585586	0.23413848	2.6070789	21	—	—
239698 2008 YA_{155}	16.5	X	50.52034	69.63708	132.28658	11.53126	0.1105280	0.18271442	3.0757721	21	6 10.2	20.6
239699 2008 YF_{156}	16.4	X	4.42273	149.87709	145.96484	2.71725	0.0804973	0.19822908	2.9131162	21	7 29.9	19.9
239700 2008 YU_{156}	16.6	X	0.78443	113.43138	272.31570	4.18296	0.1384550	0.21941621	2.7224312	21	12 1.7	19.7
239701 2008 YC_{157}	16.8	X	295.40996	80.71207	345.76853	0.26903	0.0545169	0.21227822	2.7831231	21	10 11.6	20.4
239702 2008 YM_{163}	17.3	X	169.61504	224.28139	318.32271	2.62793	0.0955708	0.28674595	2.2775672	21	10 9.4	20.5
239703 2008 YZ_{167}	16.2	X	288.54381	266.76892	146.57739	5.03027	0.0654349	0.20962190	2.8065856	21	9 13.9	19.7
239704 2008 YG_{168}	15.5	X	75.63372	53.24806	83.04184	10.48130	0.0970667	0.17631009	3.1498118	21	4 23.3	19.8
239705 2009 AS_{1}	16.2	X	23.11704	217.24251	204.31485	12.88377	0.1640842	0.23634153	2.5908525	21	—	—
239706 2009 AB_{2}	16.3	X	173.74075	113.83325	249.46447	3.42275	0.1479342	0.25440020	2.4667459	21	2 19.7	20.1
239707 2009 AP_{4}	16.2	X	103.18825	130.81384	350.27229	2.35043	0.0255868	0.18332363	3.0689542	21	4 23.5	20.5
239708 2009 AS_{10}	16.3	X	94.93112	51.81931	69.94620	1.63378	0.1827732	0.17971800	3.1098660	21	5 7.9	20.6
239709 2009 AZ_{16}	16.5	X	98.12311	23.31975	20.08526	5.22070	0.0575392	0.24577313	2.5241381	21	1 2.9	19.7
239710 2009 AM_{25}	16.4	X	228.98687	330.32099	122.25136	3.13527	0.0234937	0.20266387	2.8704622	21	8 22.9	20.4
239711 2009 AA_{30}	16.5	X	320.04915	201.94298	242.04611	2.01131	0.0404973	0.22401581	2.6850370	21	12 11.6	20.0
239712 2009 AZ_{40}	16.5	X	33.42005	190.93596	146.33314	3.20659	0.0576990	0.21359867	2.7716412	21	11 6.7	20.1
239713 2009 AD_{43}	15.6	X	328.28949	120.89603	124.63915	6.32729	0.0251983	0.17695859	3.1421117	21	4 8.5	20.0
239714 2009 AY_{45}	15.1	X	121.48657	184.14862	134.64268	6.17233	0.0282034	0.15077683	3.4960661	21	—	—
239715 2009 BT_{2}	15.9	X	113.61807	275.41122	167.39275	1.06002	0.1707814	0.17629961	3.1499366	21	4 9.8	20.5
239716 Felixbaumgartner	16.5	X	42.21360	244.22624	88.79747	5.04737	0.1062379	0.21965407	2.7204654	21	11 20.9	20.1
239717 2009 BM_{15}	16.5	X	53.92718	318.02811	286.93070	10.98686	0.1594423	0.27459017	2.3442975	21	8 18.9	19.3
239718 2009 BU_{18}	16.9	X	102.59980	167.54700	134.57347	4.19212	0.0552143	0.22283246	2.6945345	21	12 17.8	20.8
239719 2009 BN_{21}	15.6	X	229.93340	340.91285	330.55361	5.12992	0.0877140	0.17192527	3.2031424	21	2 23.1	20.6
239720 2009 BP_{35}	15.6	X	273.31271	232.27114	62.72425	3.17368	0.1662643	0.17286026	3.1915816	21	3 13.7	20.5
239721 2009 BP_{50}	16.3	X	337.24798	224.35334	91.70189	2.64544	0.0734042	0.19390434	2.9562718	21	7 14.5	20.1
239722 2009 BD_{51}	16.3	X	86.71776	14.82566	108.54827	4.32378	0.0744816	0.17583665	3.1554631	21	4 16.2	20.6
239723 2009 BR_{53}	15.3	X	195.91844	233.11301	116.29728	6.35891	0.1320021	0.17126313	3.2113930	21	3 8.6	20.4
239724 2009 BY_{69}	16.2	X	13.89353	250.60114	91.75453	7.77624	0.0771946	0.21161968	2.7888941	21	10 21.3	19.8
239725 2009 BO_{91}	15.7	X	274.24470	337.29309	324.19065	3.09260	0.0975650	0.17509872	3.1643225	21	3 27.6	20.2
239726 2009 BZ_{114}	16.0	X	257.16378	345.45899	32.21996	2.48250	0.0512883	0.19029435	2.9935427	21	6 17.1	20.1
239727 2009 BP_{115}	16.4	X	39.95239	222.12280	105.17198	7.45761	0.0421711	0.21299831	2.7768469	21	11 2.4	20.2
239728 2009 BG_{143}	16.3	X	6.58497	268.71626	110.01987	6.55827	0.0949062	0.21460106	2.7630038	21	11 27.2	19.7
239729 2009 BZ_{150}	15.1	X	303.60606	208.27359	84.41133	12.09708	0.0457098	0.17865499	3.1221897	21	5 4.1	19.5
239730 2009 BL_{170}	15.5	X	349.96106	111.89974	92.47903	26.51690	0.2860498	0.17484332	3.1674032	21	2 19.9	19.4
239731 2009 BR_{173}	15.0	X	309.49745	195.46903	99.20117	19.38746	0.0529301	0.17955108	3.1117930	21	5 16.1	19.5
239732 2009 BG_{177}	14.9	X	224.81665	299.16413	87.09783	11.51701	0.1009694	0.18238751	3.0794464	21	5 19.2	19.6
239733 2009 CY_{15}	15.3	X	133.86937	320.31685	160.49315	14.05387	0.0689424	0.18173984	3.0867583	21	6 7.9	20.1
239734 2009 CG_{34}	15.5	X	70.04297	198.12929	95.87750	5.47809	0.0863043	0.20917051	2.8106218	21	11 3.3	19.4
239735 2009 CH_{44}	14.8	X	94.18447	212.80752	173.40058	18.19481	0.0153672	0.14725115	3.5516507	21	—	—
239736 2009 CK_{57}	15.2	X	18.47223	2.12606	193.38055	16.97546	0.0598303	0.17175174	3.2052995	21	4 10.1	19.3
239737 2009 DB_{6}	15.5	X	172.09701	29.21775	352.19891	8.76559	0.0861419	0.17429940	3.1739892	21	3 18.9	20.2
239738 2009 DJ_{10}	15.4	X	267.52351	238.45589	127.23882	12.30699	0.0924755	0.18752810	3.0229095	21	6 10.7	19.9
239739 2009 DB_{51}	15.3	X	116.93188	132.66312	359.77684	27.54928	0.1486628	0.17783509	3.1317788	21	6 4.3	20.6
239740 2009 EL_{3}	14.9	X	22.60064	56.19279	147.74770	16.81427	0.0242430	0.17424969	3.1745929	21	4 30.5	19.5
239741 2009 FF_{7}	15.9	X	47.66744	165.16445	110.27702	3.74219	0.1665291	0.18811003	3.0166720	21	9 20.5	19.8
239742 2009 FO_{30}	15.2	X	0.66935	66.22166	191.32068	13.02890	0.1703505	0.17375323	3.1806371	21	6 1.7	18.9
239743 2009 FP_{43}	14.8	X	326.05811	202.57264	109.79147	18.73509	0.1985823	0.17426348	3.1744254	21	6 10.1	18.7
239744 2009 WQ_{166}	15.6	X	78.86895	110.47455	112.25557	4.89470	0.0375454	0.21304729	2.7764213	21	8 5.6	19.2
239745 2009 XD_{15}	17.4	X	337.32065	190.95124	323.05183	1.89273	0.1214830	0.26063891	2.4272241	21	—	—
239746 2009 YF_{4}	15.8	X	326.68596	226.43030	314.63266	4.49146	0.1391607	0.17532375	3.1616143	21	—	—
239747 2009 YZ_{11}	17.6	X	14.51122	97.17437	84.36707	5.16537	0.1820790	0.27396132	2.3478835	21	2 19.1	19.5
239748 2009 YH_{16}	17.4	X	350.54023	226.03503	290.00783	1.47922	0.1546024	0.25960289	2.4336775	21	—	—
239749 2009 YS_{24}	17.2	X	29.92706	324.36230	179.24180	0.96314	0.1345148	0.26793126	2.3829804	21	1 26.6	19.1
239750 2010 AZ_{2}	16.8	X	217.49443	185.21157	259.11098	2.48810	0.1607465	0.21659156	2.7460495	21	7 16.4	21.0
239751 2010 AV_{18}	16.1	X	335.28297	350.08143	154.60663	0.90650	0.1313220	0.17090689	3.2158540	21	—	—
239752 2010 AM_{31}	16.4	X	39.57056	347.01376	133.64731	6.77260	0.0686471	0.26453436	2.4033369	21	1 13.8	19.1
239753 2010 AW_{43}	15.7	X	331.24567	141.77728	27.76542	8.07313	0.1403107	0.25974643	2.4327809	21	—	—
239754 2010 AB_{53}	16.6	X	16.87601	1.17322	159.22040	5.79315	0.0620599	0.26838760	2.3802784	21	2 1.1	19.3
239755 2010 AT_{55}	16.6	X	284.08541	46.47244	340.53077	3.89177	0.0182686	0.21364990	2.7711982	21	8 10.1	20.3
239756 2010 AN_{59}	17.1	X	211.90405	301.42115	114.37517	24.06764	0.0848286	0.38079078	1.8851465	21	6 9.4	19.7
239757 2010 AG_{74}	17.4	X	244.24840	190.66416	241.06179	3.21594	0.1046418	0.31002836	2.1620634	21	8 6.6	19.9
239758 2010 AU_{75}	16.0	X	223.93640	320.98753	141.53521	13.36906	0.1240176	0.22246298	2.6975172	21	8 19.4	20.0
239759 2010 BY_{2}	15.4	X	351.53362	303.37595	134.34095	29.06171	0.1376172	0.23952176	2.5678682	21	—	—
239760 2010 CX_{3}	17.4	X	145.33758	124.31523	323.90353	6.04809	0.1459158	0.28276831	2.2988760	21	5 7.4	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
239761 2010 CU_{18}	16.6	X	272.53808	111.29797	2.08883	10.86760	0.2299837	0.23250590	2.6192688	21	10 15.0	19.8
239762 2010 CV_{18}	16.7	X	277.18706	272.65053	192.42988	12.34308	0.2384447	0.23116852	2.6293612	21	10 12.3	19.9
239763 2010 CZ_{28}	17.5	X	51.46675	149.97707	12.20380	4.42029	0.1341113	0.27218747	2.3580733	21	4 7.5	19.4
239764 2010 CD_{29}	15.1	X	56.88618	330.13807	159.35804	11.67513	0.0506180	0.17935728	3.1140341	21	3 10.3	19.2
239765 2010 CO_{34}	15.8	X	178.00926	188.98825	357.11664	12.94684	0.0926733	0.22204024	2.7009399	21	10 13.7	19.9
239766 2010 CT_{40}	17.4	X	249.90293	31.94242	155.46200	3.07695	0.0628134	0.23715714	2.5849089	21	—	—
239767 2010 CW_{40}	15.5	X	205.30862	1.09963	357.44254	15.60606	0.0564915	0.18054672	3.1003424	21	3 24.2	20.2
239768 2010 CS_{42}	15.7	X	53.27217	143.30570	339.65580	13.65427	0.1576682	0.18051467	3.1007093	21	3 5.4	19.4
239769 2010 CX_{56}	15.9	X	314.38694	314.10652	131.64796	12.97399	0.1666806	0.23556640	2.5965328	21	12 7.0	18.6
239770 2010 CK_{57}	17.1	X	74.44045	106.65721	5.54630	18.41019	0.1044838	0.35340326	1.9813248	21	2 19.6	18.9
239771 2010 CR_{58}	16.6	X	191.86099	256.79295	240.75550	1.33486	0.1359315	0.21829226	2.7317681	21	8 28.8	20.9
239772 2010 CL_{62}	15.3	X	332.49415	203.60687	346.88125	14.80555	0.1577050	0.17363033	3.1821378	21	1 21.4	19.6
239773 2010 CN_{65}	16.7	X	179.19357	201.58419	340.71187	3.94905	0.0800943	0.22060031	2.7126804	21	10 12.8	20.9
239774 2010 CY_{68}	16.7	X	212.60925	254.71112	318.41751	2.55733	0.1099006	0.23452056	2.6042465	21	12 27.2	20.3
239775 2010 CF_{69}	15.6	X	162.50750	163.72716	9.77270	12.73851	0.0878493	0.21269234	2.7795094	21	9 17.1	19.8
239776 2010 CB_{76}	15.6	X	193.06238	249.93444	342.88751	14.43897	0.0761263	0.23514884	2.5996057	21	—	—
239777 2010 CW_{82}	15.3	X	82.24140	302.08990	150.12881	17.40721	0.0762075	0.18052527	3.1005879	21	2 28.9	19.4
239778 2010 CK_{94}	17.0	X	319.26810	253.87093	142.62689	2.41594	0.0705908	0.22081608	2.7109130	21	10 7.8	20.2
239779 2010 CU_{94}	16.0	X	141.47542	253.07959	161.08882	10.74130	0.0588131	0.18187064	3.0852781	21	3 24.5	20.5
239780 2010 CB_{95}	16.3	X	177.01785	352.95390	133.09178	2.55035	0.0283611	0.20659637	2.8339200	21	7 31.7	20.3
239781 2010 CD_{99}	16.5	X	41.37262	163.42465	104.12774	2.83038	0.0187141	0.20669507	2.8330178	21	8 11.6	20.3
239782 2010 CZ_{103}	16.4	X	168.40283	101.34038	157.14571	9.46041	0.1300072	0.23177889	2.6247430	21	—	—
239783 2010 CJ_{117}	16.2	X	137.40467	79.96752	178.27183	13.66287	0.0752045	0.22673345	2.6635385	21	12 4.9	20.4
239784 2010 CP_{156}	15.1	X	267.07794	110.13390	147.04869	9.91445	0.0160834	0.17272968	3.1931899	21	2 5.3	19.5
239785 2010 CC_{163}	16.4	X	309.56262	199.02804	44.87395	3.12456	0.1407841	0.26390346	2.4071657	21	2 8.8	19.5
239786 2010 CU_{166}	16.4	X	79.87561	202.36502	311.76280	0.78364	0.0972267	0.18890499	3.0082027	21	5 16.2	20.3
239787 2010 CW_{179}	16.8	X	86.62835	197.55323	307.80786	5.00222	0.1185834	0.27773492	2.3265678	21	5 8.8	19.5
239788 2010 DW_{38}	15.7	X	340.15000	264.48370	161.70968	22.00293	0.1188826	0.23583708	2.5945457	21	12 25.8	19.1
239789 2010 DB_{45}	17.0	X	262.05307	83.55375	196.51252	1.09161	0.1511312	0.25925891	2.4358297	21	1 31.7	20.7
239790 2010 DY_{76}	16.5	X	53.92151	0.95709	106.65841	6.75134	0.1375052	0.26559342	2.3969438	21	1 21.7	18.6
239791 2010 EW_{33}	16.7	X	220.08050	169.18741	13.05471	3.91328	0.0780375	0.22740948	2.6582572	21	11 29.2	20.5
239792 Hankakováčová	16.7	X	343.23865	141.64991	224.03791	1.74274	0.0916994	0.21762964	2.7373103	21	10 1.6	19.9
239793 2010 EV_{40}	17.5	X	176.97364	234.58230	155.04817	5.88699	0.1001133	0.27190979	2.3596784	21	3 26.3	20.9
239794 6715 *P–L*	16.9	X	228.97449	9.81264	16.86938	7.47245	0.1213698	0.28709520	2.2757197	21	5 12.9	20.2
239795 1273 *T–2*	17.0	X	3.03525	310.74597	5.19933	3.01313	0.2286517	0.28724921	2.2749062	21	9 18.5	18.2
239796 2300 *T–3*	16.5	X	317.06115	40.05223	11.44213	9.20212	0.2176316	0.22378474	2.6868849	21	10 11.7	19.0
239797 3037 *T–3*	16.3	X	190.04206	7.72524	34.38487	3.62592	0.2202870	0.19346588	2.9607367	21	4 30.7	21.4
239798 1981 EZ_{31}	15.6	X	90.50474	261.09443	279.31573	8.68482	0.1741772	0.17620581	3.1510544	21	7 13.9	20.2
239799 1993 OU_{9}	16.0	X	99.39061	214.34497	115.94839	8.80268	0.1683978	0.22367460	2.6877669	21	—	—
239800 1993 PR_{1}	16.2	X	102.40170	174.30030	147.93458	13.73729	0.0846642	0.22196869	2.7015203	21	—	—
239801 1994 CA_{11}	16.0	X	96.44762	72.39749	90.64302	3.54952	0.2732399	0.18980233	2.9987139	21	7 11.8	20.6
239802 1995 UD_{14}	15.6	X	340.95755	70.71787	203.46644	10.78540	0.2109311	0.18036985	3.1023688	21	5 12.3	19.0
239803 1995 WE_{4}	18.2	X	176.60961	209.49913	94.27482	6.34512	0.3176172	0.31830176	2.1244345	21	—	—
239804 1995 WL_{18}	16.8	X	195.22623	52.07254	128.46765	3.54055	0.0786053	0.22596079	2.6696070	21	10 31.7	20.7
239805 1995 XB_{5}	16.9	X	129.57280	279.92705	103.04385	4.92264	0.2006745	0.24197107	2.5505104	21	2 8.9	20.4
239806 1996 GJ_{5}	15.8	X	34.86933	315.74435	38.86153	9.63522	0.1730792	0.21552111	2.7551347	21	12 15.9	19.5
239807 1996 PG	16.9	X	227.51369	249.71855	115.95977	7.60776	0.1472116	0.26700250	2.3885032	21	4 19.1	20.6
239808 1996 TK_{9}	15.5	X	290.13894	319.22523	50.48367	14.42210	0.1828815	0.19090641	2.9871409	21	6 29.4	19.7
239809 1997 AY_{12}	15.7	X	10.91781	18.54321	104.12125	5.36246	0.1650984	0.24282152	2.5445517	21	—	—
239810 1997 EC_{26}	16.8	X	5.86847	306.42111	155.30998	0.48201	0.1547213	0.23923931	2.5698890	21	—	—
239811 1997 MR_{2}	15.4	X	100.29127	190.63427	104.55434	15.69833	0.1923087	0.21811843	2.7332193	21	12 17.3	19.9
239812 1997 PP	16.3	X	144.17989	278.34538	23.52107	4.85563	0.3751094	0.22212211	2.7002762	21	—	—
239813 1997 TG_{11}	17.6	X	20.91361	159.37881	178.05491	5.33118	0.2060028	0.29125773	2.2539853	21	11 26.9	19.9
239814 1997 WC_{12}	16.9	X	255.03765	171.72136	209.11316	4.11413	0.0815957	0.27660369	2.3329069	21	6 12.4	20.0
239815 1997 WO_{15}	16.5	X	14.37554	225.71070	95.38583	3.14533	0.0759700	0.20030337	2.8929697	21	9 19.9	20.1
239816 1998 BJ_{5}	17.1	X	300.76772	135.38180	114.70386	2.02113	0.1850372	0.25694447	2.4504351	21	1 31.4	20.5
239817 1998 BZ_{33}	17.0	X	190.16446	183.86465	307.07287	5.22651	0.1747439	0.27376646	2.3489975	21	8 19.5	20.7
239818 1998 FD_{92}	15.6	X	221.42602	194.58822	27.19950	13.61535	0.2098715	0.24116497	2.5561906	21	—	—
239819 1998 MH_{23}	16.0	X	234.45690	297.61198	293.52822	4.04699	0.1743940	0.23610296	2.5925975	21	—	—
239820 1998 OA_{2}	16.7	X	245.90149	291.26866	297.91487	1.99967	0.1607287	0.23693199	2.5865462	21	—	—
239821 1998 RD_{11}	16.1	X	185.04786	69.94157	185.79902	12.99669	0.1342876	0.22682536	2.6628190	21	—	—
239822 1998 RY_{31}	15.9	X	262.41343	82.96356	332.21306	12.18861	0.2046845	0.20962671	2.8065426	21	7 24.2	20.1
239823 1998 RX_{47}	17.0	X	130.90353	69.95079	252.16050	2.37147	0.1895433	0.31551691	2.1369168	21	—	—
239824 1998 SE_{51}	16.6	X	20.60866	79.95964	264.30676	0.45084	0.0957044	0.21496476	2.7598864	21	11 1.6	20.1
239825 1998 SO_{133}	17.6	X	98.76603	316.39932	7.21869	4.58286	0.2669250	0.31122959	2.1564967	21	—	—
239826 1998 UZ_{25}	15.7	X	3.40493	182.43940	175.91495	8.43697	0.2836956	0.21504612	2.7591902	21	11 19.4	18.3
239827 1998 VL_{10}	15.9	X	120.12970	146.42475	207.60942	12.87820	0.2832201	0.22887023	2.6469344	21	1 3.7	19.8
239828 1998 VW_{42}	16.5	X	50.36284	281.68600	52.50218	2.98470	0.0250595	0.21594708	2.7515104	21	11 19.4	20.2
239829 1998 WK_{29}	16.0	X	322.14510	198.77626	227.25129	12.57035	0.0962199	0.21527654	2.7572210	21	11 18.4	19.2
239830 1998 XK_{2}	15.8	X	89.19320	84.33238	239.63382	7.08486	0.1072408	0.21876951	2.7277937	21	—	—
239831 1998 YX_{4}	17.2	X	198.30703	293.75676	136.82908	2.68238	0.1987256	0.28624385	2.2802297	21	6 9.2	20.8
239832 1998 YS_{31}	15.9	X	113.20206	257.46988	252.93084	22.56611	0.2918194	0.28195147	2.3033140	21	7 8.7	19.8
239833 1999 BD_{30}	17.1	X	58.12889	193.68309	109.12643	4.77601	0.1531534	0.29288721	2.2456175	21	11 21.8	20.0
239834 1999 ET_{6}	17.5	X	59.92174	262.24875	214.31981	0.93019	0.1233194	0.26699986	2.3885190	21	2 13.3	19.8
239835 1999 FU_{10}	16.2	X	95.54181	336.35868	192.96365	2.21881	0.1631029	0.18829493	3.0146968	21	7 4.6	20.7
239836 1999 FY_{83}	14.8	X	12.89852	63.47572	102.98152	18.32896	0.1055565	0.17266312	3.1940104	21	2 28.6	19.0
239837 1999 FX_{90}	16.3	X	172.95561	32.91083	74.43846	3.45997	0.0333263	0.18888172	3.0084498	21	7 2.3	20.7
239838 1999 GL_{33}	16.2	X	288.99379	65.85533	196.41651	11.33138	0.2354990	0.26172931	2.4204780	21	1 25.2	20.3
239839 1999 LF_{2}	15.3	X	347.46264	119.13953	86.09900	27.18387	0.2983943	0.17466938	3.1695057	21	2 13.6	19.3
239840 1999 NC_{56}	16.3	X	202.47523	123.94000	221.69042	13.66960	0.1755636	0.25194300	2.4827587	21	2 22.3	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
239841 1999 RQ_{191}	17.2	X	235.12200	322.40858	350.31312	2.27680	0.2042416	0.25232629	2.4802439	21	2 15.3	21.1
239842 1999 SM_{21}	17.2	X	118.94403	327.50799	10.46851	5.84851	0.1073157	0.23699568	2.5860828	21	—	—
239843 1999 TR_{71}	15.9	X	341.34326	235.89280	206.30458	8.09409	0.1935213	0.22957715	2.6414979	21	—	—
239844 1999 TP_{132}	15.7	X	300.73414	32.13471	345.23143	2.68849	0.2219787	0.17392499	3.1785427	21	7 19.5	19.7
239845 1999 TX_{132}	14.9	X	271.94728	38.15252	344.20331	2.29782	0.2771793	0.12552822	3.9504066	21	6 12.2	20.9
239846 1999 TZ_{175}	16.1	X	54.05364	2.78317	24.97998	17.39085	0.1966247	0.23317261	2.6142735	21	—	—
239847 1999 TC_{191}	15.8	X	338.21625	213.59371	214.10558	13.21512	0.0397384	0.22893364	2.6464456	21	12 16.6	19.3
239848 1999 TC_{221}	14.8	X	345.40739	87.30604	239.99496	14.79566	0.2445334	0.17704399	3.1411012	21	7 28.7	18.2
239849 1999 VO_{11}	18.6	X	120.18881	71.90242	67.93065	15.77311	0.6360344	0.29139068	2.2532996	21	7 29.6	23.7
239850 1999 VZ_{89}	14.7	X	343.87237	270.46969	21.90949	24.48789	0.3388597	0.17415338	3.1757631	21	5 17.1	17.9
239851 1999 VG_{152}	16.1	X	5.18838	12.27638	58.47704	12.76856	0.1601409	0.23020667	2.6366802	21	—	—
239852 1999 VR_{190}	15.7	X	337.90076	185.10015	232.42584	13.33505	0.2314453	0.22428693	2.6828727	21	12 11.9	18.1
239853 1999 VC_{202}	16.3	X	13.40458	221.28286	201.18055	8.60190	0.1733327	0.23289031	2.6163857	21	—	—
239854 1999 VL_{214}	17.3	X	216.77608	105.60062	201.80714	3.78682	0.1549188	0.24410694	2.5356110	21	1 24.7	21.5
239855 1999 WA_{19}	16.7	X	346.58937	358.33123	67.11734	3.27213	0.1086647	0.22781060	2.6551360	21	12 31.2	19.8
239856 1999 XJ_{28}	15.8	X	320.06362	220.91377	222.47182	12.63649	0.1538488	0.22416022	2.6838837	21	12 9.1	18.6
239857 1999 XJ_{104}	15.9	X	50.47519	316.93476	72.00971	14.79303	0.2619307	0.23117393	2.6293202	21	—	—
239858 1999 XV_{145}	17.0	X	237.82088	81.84890	65.43280	10.23957	0.1426002	0.22193321	2.7018082	21	10 31.2	20.9
239859 1999 XF_{213}	15.9	X	337.72997	216.58064	228.86037	10.98189	0.1570996	0.22661165	2.6644929	21	—	—
239860 1999 YA_{15}	16.3	X	278.03385	51.32829	82.58988	14.91116	0.1500692	0.22481157	2.6786971	21	12 4.9	19.3
239861 2000 AL_{123}	16.1	X	231.24743	21.41702	129.90566	13.89341	0.1295018	0.21654013	2.7464843	21	11 1.8	20.4
239862 2000 AX_{219}	16.5	X	135.88868	223.14074	90.13315	3.25058	0.1107406	0.22659697	2.6646079	21	—	—
239863 2000 AK_{224}	17.4	X	195.25965	152.73350	109.33516	5.91259	0.2003157	0.31727670	2.1290079	21	—	—
239864 2000 BL_{13}	16.1	X	36.51089	54.20618	314.27358	4.11857	0.1708807	0.22090225	2.7102080	21	—	—
239865 2000 CY_{26}	15.7	X	194.69936	7.01486	150.57561	10.97154	0.2017099	0.21056145	2.7982304	21	9 24.4	20.4
239866 2000 CY_{98}	16.4	X	129.98579	260.23670	316.66600	2.74307	0.0509124	0.20964752	2.8063569	21	9 30.4	20.5
239867 2000 CQ_{125}	16.2	X	203.17473	62.08571	83.53887	4.44253	0.1209774	0.21036854	2.7999409	21	9 22.6	20.6
239868 2000 EM_{74}	17.2	X	92.14660	205.36554	57.84399	5.83431	0.1379487	0.29684446	2.2256152	21	11 6.3	20.2
239869 2000 GD_{53}	17.1	X	130.43802	41.66779	215.97164	3.83624	0.1932851	0.30025920	2.2087090	21	12 8.2	20.6
239870 2000 HD_{29}	17.5	X	262.04889	16.70172	43.91062	5.63568	0.1522067	0.29313981	2.2443272	21	8 10.6	20.3
239871 2000 HU_{52}	16.7	X	120.37393	36.73539	215.09072	6.56978	0.0995568	0.29752151	2.2222375	21	11 19.2	19.8
239872 2000 JY_{11}	17.2	X	100.07662	46.43238	214.85786	5.31537	0.1891378	0.29688856	2.2253948	21	11 15.6	20.5
239873 2000 JO_{67}	15.4	X	309.91219	206.10765	129.30922	13.03340	0.1911163	0.19108045	2.9853268	21	6 13.4	19.3
239874 2000 JN_{83}	17.2	X	90.78094	175.37869	80.04653	3.20443	0.2656434	0.29342714	2.2428619	21	11 5.5	20.7
239875 2000 KQ_{78}	16.8	X	82.26196	90.37701	217.76711	6.24501	0.2601810	0.29614593	2.2291136	21	12 31.5	20.6
239876 2000 NW	16.6	X	54.83804	1.34173	277.45537	6.36754	0.1257062	0.28743188	2.2739422	21	10 5.3	19.4
239877 2000 NH_{4}	17.9	X	117.96405	110.36888	195.58487	1.91008	0.1916816	0.29798609	2.2199271	21	—	—
239878 2000 OV_{8}	15.1	X	303.34933	176.34145	132.49887	29.68042	0.1667315	0.18196049	3.0842624	21	5 13.6	19.9
239879 2000 PL_{14}	16.5	X	286.93083	190.97881	155.18768	7.31161	0.1387461	0.27722648	2.3294116	21	5 29.8	19.4
239880 2000 QM_{35}	16.8	X	327.79356	126.70168	207.75880	6.59803	0.2293847	0.27941650	2.3172240	21	7 5.9	18.5
239881 2000 QW_{55}	16.9	X	312.33500	354.98196	357.53151	5.48392	0.2837847	0.27835477	2.3231127	21	6 21.7	19.1
239882 2000 QU_{66}	15.2	X	337.04544	178.06273	153.93796	17.57521	0.2801654	0.18567546	3.0429843	21	7 16.6	18.2
239883 2000 QS_{92}	16.7	X	250.29487	152.07118	201.89220	4.06527	0.2190409	0.26998549	2.3708774	21	4 17.4	20.2
239884 2000 QX_{119}	17.3	X	5.19578	141.81326	193.64399	5.53046	0.2733351	0.28341240	2.2953917	21	11 4.9	18.8
239885 2000 QN_{141}	16.7	X	275.29162	319.52648	27.75384	5.36344	0.2377986	0.27218060	2.3581130	21	4 30.5	20.1
239886 2000 QW_{160}	16.9	X	347.58550	94.25512	230.26907	5.30964	0.1442412	0.28180479	2.3041132	21	8 14.1	18.8
239887 2000 QU_{163}	17.0	X	345.92990	159.78865	172.78850	12.61791	0.1535041	0.28236913	2.3010422	21	8 25.2	18.8
239888 2000 QE_{171}	16.4	X	186.95882	202.74932	205.31092	4.99790	0.2168834	0.26670409	2.3902845	21	5 2.3	20.4
239889 2000 RF	17.6	X	36.23196	136.90649	174.24000	23.27618	0.0955078	0.38113811	1.8840010	21	11 14.0	19.9
239890 Edudeldon	17.2	X	318.80070	173.70700	185.28205	2.48825	0.2423057	0.27854866	2.3220345	21	7 24.9	19.1
239891 2000 RW_{17}	15.0	X	218.76818	172.41037	200.55508	11.68134	0.1266442	0.17356048	3.1829916	21	4 24.7	20.1
239892 2000 RE_{65}	15.4	X	265.75023	184.60118	165.85354	5.44492	0.2007448	0.17726414	3.1385000	21	5 7.2	20.2
239893 2000 RO_{74}	16.9	X	327.14841	94.65020	211.24251	6.60540	0.1266646	0.27579734	2.3374518	21	6 5.1	19.2
239894 2000 RD_{75}	15.2	X	292.18401	87.28814	217.19243	9.34002	0.1328451	0.17660908	3.1462559	21	4 17.1	19.5
239895 2000 SF_{32}	15.2	X	247.45487	311.25606	37.04270	5.10596	0.1651644	0.17448114	3.1717848	21	4 19.3	20.1
239896 2000 SD_{52}	16.8	X	352.79747	72.91166	218.21848	5.17668	0.1090892	0.27585432	2.3371299	21	7 2.9	19.1
239897 2000 SG_{62}	15.9	X	216.26864	356.61265	5.63577	0.99341	0.2074528	0.17123442	3.2117520	21	4 6.1	21.1
239898 2000 ST_{62}	17.3	X	192.73724	207.00289	191.31897	2.07042	0.1907832	0.26581140	2.3956331	21	4 24.5	21.3
239899 2000 SL_{78}	17.0	X	180.48087	230.47789	135.68683	2.78436	0.1875053	0.26088784	2.4256799	21	3 5.3	20.9
239900 2000 SP_{87}	16.2	X	345.66942	230.06779	58.57952	9.58913	0.2060521	0.27372581	2.3492301	21	6 4.2	18.0
239901 2000 SR_{122}	15.4	X	247.34156	233.92540	120.42374	2.86593	0.2698850	0.17331005	3.1860571	21	4 19.1	20.7
239902 2000 SU_{125}	16.9	X	274.77670	295.16425	27.68378	2.21883	0.2536825	0.26969321	2.3725900	21	3 28.7	20.4
239903 2000 SF_{129}	12.9	X	294.12527	70.40999	280.48389	6.37497	0.0316666	0.08318896	5.1970744	21	7 3.5	19.8
239904 2000 SV_{132}	15.5	X	276.29520	139.95781	200.84678	22.81806	0.1820071	0.17812656	3.1283615	21	5 8.5	20.2
239905 2000 SP_{151}	17.0	X	338.09316	154.44331	182.48109	3.39657	0.2638075	0.27862808	2.3215932	21	8 5.8	17.9
239906 2000 SQ_{161}	15.3	X	297.36722	227.53254	125.78514	12.30616	0.3256550	0.18170235	3.0871828	21	5 30.2	19.7
239907 2000 SP_{164}	17.3	X	190.63677	283.89405	188.29350	22.78618	0.0418686	0.37041491	1.9201879	21	7 31.0	20.0
239908 2000 SH_{223}	15.2	X	127.80876	164.28338	192.72201	13.19103	0.1301300	0.15802224	3.3883680	21	1 9.7	20.4
239909 2000 SN_{233}	15.7	X	344.49554	199.17190	107.71957	7.91933	0.2927938	0.18480711	3.0525089	21	6 26.9	18.1
239910 2000 SQ_{240}	15.9	X	312.84807	134.37361	226.52466	23.09540	0.2117001	0.27756697	2.3275063	21	7 12.7	18.8
239911 2000 SC_{246}	15.4	X	259.78652	184.66784	169.25891	17.83392	0.1898277	0.17644147	3.1482481	21	5 8.8	20.5
239912 2000 SV_{254}	17.4	X	211.49735	344.61776	34.42237	2.69969	0.1859182	0.26642538	2.3919513	21	4 16.5	21.0
239913 2000 SM_{285}	15.9	X	274.96617	128.61788	215.77328	12.74827	0.2845685	0.17699422	3.1416900	21	4 28.2	20.7
239914 2000 SX_{323}	17.3	X	335.13052	131.15369	181.54508	4.33189	0.1255447	0.27482384	2.3429685	21	7 1.1	19.5
239915 2000 SA_{334}	15.2	X	222.40429	294.39261	35.64384	8.75662	0.2074356	0.17028225	3.2237137	21	3 8.9	20.7
239916 2000 SM_{338}	17.3	X	294.11995	261.29244	80.07089	5.45945	0.1704069	0.27412743	2.3469350	21	5 26.8	19.9
239917 2000 TD_{7}	15.3	X	68.24299	258.59835	15.79424	13.87774	0.0364697	0.18682580	3.0304805	21	9 27.5	19.5
239918 2000 TC_{40}	15.3	X	248.60210	304.05723	25.73801	14.32176	0.2820463	0.17449444	3.1716237	21	3 24.5	20.8
239919 2000 TA_{48}	15.2	X	283.90542	170.63246	158.70941	12.34027	0.1508739	0.17682497	3.1436944	21	5 9.6	19.9
239920 2000 TN_{62}	15.4	X	303.11381	1.74644	29.73833	17.90830	0.1294226	0.18285966	3.0741434	21	9 4.0	19.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
239921 2000 UR_5	16.1	X	314.53770	357.37730	60.77136	13.26378	0.2314745	0.23197461	2.6232665	21	10 23.0	18.4
239922 2000 UW_{33}	16.8	X	327.81325	81.82791	226.54353	21.05957	0.0577207	0.36436226	1.9413945	21	6 13.9	18.7
239923 2000 UK_{34}	17.2	X	203.65389	314.81773	45.23681	2.00764	0.1498271	0.26180083	2.4200371	21	3 17.7	20.8
239924 2000 UR_{40}	16.7	X	330.71539	262.82095	74.08705	5.54754	0.2545824	0.27654317	2.3332473	21	7 16.2	18.0
239925 2000 UZ_{45}	16.2	X	317.79262	15.15387	41.59005	8.53823	0.1509053	0.23358617	2.6111870	21	10 30.4	18.8
239926 2000 UB_{46}	14.9	X	359.61221	307.04598	47.19470	14.08504	0.1842422	0.18522325	3.0479351	21	10 18.7	18.2
239927 2000 UZ_{85}	16.7	X	137.53803	273.76340	123.22664	2.00257	0.1791817	0.25646867	2.4534648	21	3 1.9	20.1
239928 2000 WJ_{21}	17.4	X	346.44065	56.88762	236.08840	19.12419	0.0702821	0.36539767	1.9377253	21	6 21.7	19.1
239929 2000 WO_{90}	16.7	X	108.76258	321.36561	71.56860	2.88255	0.2204171	0.25063617	2.4913814	21	1 28.0	19.6
239930 2000 WQ_{138}	16.7	X	222.14320	322.55659	58.67396	6.77584	0.1370579	0.26469524	2.4023630	21	5 1.9	20.3
239931 2000 WL_{162}	16.5	X	309.85769	231.34015	84.07622	11.75636	0.2507733	0.27039292	2.3684952	21	5 3.2	19.4
239932 2000 WY_{191}	16.3	X	278.07976	331.61142	104.85332	12.67251	0.2194428	0.22985826	2.6393439	21	9 12.5	19.8
239933 2000 XR_5	16.4	X	25.38229	48.71764	18.37370	7.52764	0.2545700	0.24277759	2.5448585	21	—	—
239934 2000 XD_{36}	14.6	X	177.70345	162.73166	317.71099	16.34511	0.1331741	0.17249097	3.1961352	21	7 26.3	19.7
239935 2000 YW_{36}	16.2	X	18.91141	241.99047	205.41191	3.00960	0.2059929	0.24192722	2.5508185	21	—	—
239936 2000 YQ_{58}	16.1	X	276.91697	261.79942	281.12093	8.26315	0.1454834	0.23667383	2.5884268	21	—	—
239937 2000 YP_{82}	15.1	X	266.58955	329.28749	97.59205	18.32771	0.1929348	0.17625212	3.1505024	21	8 14.2	19.9
239938 2001 AE_9	16.2	X	326.17992	209.09624	290.52694	3.20800	0.1476473	0.23944877	2.5683900	21	—	—
239939 2001 AZ_{30}	14.7	X	288.05359	93.92401	285.82867	24.32771	0.1673001	0.17471301	3.1689779	21	7 11.7	19.0
239940 2001 BD_{13}	16.0	X	282.27702	53.69504	144.28852	5.24033	0.1872924	0.23818788	2.5774462	21	—	—
239941 2001 BN_{16}	16.0	X	320.83416	55.32388	67.93860	5.82441	0.1749339	0.23509167	2.6000272	21	—	—
239942 2001 CS_{12}	16.6	X	35.66510	351.43117	86.78137	4.37827	0.2038074	0.24080649	2.5587268	21	—	—
239943 2001 CU_{26}	16.9	X	346.05971	352.80400	114.93562	4.63624	0.2092107	0.23695171	2.5864027	21	—	—
239944 2001 CV_{29}	16.1	X	313.66571	358.64109	114.50471	15.51735	0.1899295	0.23361627	2.6109627	21	—	—
239945 2001 CZ_{39}	15.9	X	306.84394	98.31536	61.59170	10.25315	0.1442072	0.23669564	2.5882678	21	—	—
239946 2001 CA_{41}	16.3	X	262.38600	22.94725	87.10857	14.57897	0.2263993	0.22529108	2.6748949	21	10 7.5	20.2
239947 2001 DT_{43}	16.0	X	189.76164	109.63033	155.17060	14.17762	0.0796308	0.23263456	2.6183030	21	—	—
239948 2001 DB_{87}	16.8	X	263.37780	70.30577	136.30966	4.13107	0.0891791	0.23621407	2.5917844	21	—	—
239949 2001 DC_{107}	16.2	X	244.44833	358.23678	180.88094	13.18592	0.1050570	0.22597975	2.6694576	21	12 21.9	20.1
239950 2001 EE_4	15.6	X	201.57422	99.11168	151.89756	13.47990	0.1666177	0.23011253	2.6373992	21	—	—
239951 2001 FG_{17}	16.3	X	204.90322	355.63989	211.61182	1.10497	0.2147733	0.22351063	2.6890813	21	11 29.6	20.7
239952 2001 FS_{75}	15.9	X	215.36553	7.39061	173.40682	12.36235	0.1137724	0.22236904	2.6982768	21	11 20.1	20.0
239953 2001 FU_{95}	16.1	X	129.24760	49.05648	127.25231	8.71210	0.1951770	0.21037199	2.7999102	21	8 21.9	20.7
239954 2001 FG_{120}	16.3	X	175.81667	238.77376	19.82734	6.26432	0.1138712	0.22454079	2.6808503	21	—	—
239955 2001 FY_{169}	15.7	X	173.95154	272.88387	323.55290	13.28951	0.1822719	0.22291482	2.6938707	21	12 8.4	20.4
239956 2001 FF_{186}	15.7	X	276.47306	112.48737	33.88673	14.41885	0.0327122	0.22646922	2.6656099	21	—	—
239957 2001 GD_1	15.1	X	313.44806	36.30801	82.23140	33.35382	0.1963974	0.23014133	2.6371792	21	—	—
239958 2001 GH_9	16.0	X	136.04658	192.92704	78.23672	10.37694	0.1835702	0.22031137	2.7150518	21	12 17.8	20.5
239959 2001 GV_{11}	15.9	X	197.70313	182.80528	47.22236	14.74837	0.1954745	0.22481144	2.6786982	21	12 20.5	20.4
239960 2001 HS_{36}	16.2	X	144.29151	28.56687	241.64517	8.97242	0.3613134	0.21826611	2.7319862	21	12 22.6	21.4
239961 2001 JJ_{10}	16.1	X	176.98214	126.10323	72.04920	10.76798	0.1819279	0.21735493	2.7396162	21	10 30.4	20.7
239962 2001 KB_{52}	16.1	X	127.17813	138.94296	137.29618	26.43249	0.2672196	0.21611723	2.7500661	21	12 21.7	21.4
239963 2001 MX_1	16.5	X	100.57231	173.20119	120.13095	10.88941	0.2047155	0.21097049	2.7946124	21	12 15.2	21.1
239964 2001 MB_2	16.0	X	197.46404	198.74973	76.58418	11.38772	0.1328449	0.22250399	2.6971857	21	—	—
239965 2001 NC_6	15.3	X	127.25539	115.73256	261.78428	12.48919	0.1638699	0.17310887	3.1885251	21	1 31.9	20.3
239966 2001 OW_{11}	16.0	X	163.19043	234.18218	103.56472	7.29725	0.3011396	0.22225270	2.6992184	21	1 27.9	20.6
239967 2001 PH_4	17.1	X	58.90827	238.94045	114.09227	3.74046	0.1312938	0.30992248	2.1625558	21	—	—
239968 2001 PM_{33}	16.2	X	163.53695	311.49139	59.71340	10.08125	0.2517360	0.27404092	2.3474288	21	3 4.2	20.2
239969 2001 PW_{33}	17.1	X	59.05028	301.01586	61.74628	6.46440	0.1172150	0.30939284	2.1650231	21	—	—
239970 2001 QX_{53}	17.0	X	166.18548	285.34895	343.29669	3.01293	0.1450764	0.31419230	2.1429187	21	—	—
239971 2001 QP_{125}	16.9	X	165.68578	214.54068	71.99050	2.47896	0.1481025	0.31553999	2.1368127	21	—	—
239972 2001 QF_{157}	17.0	X	23.40148	154.62193	180.80101	6.36946	0.2152997	0.30120871	2.2040648	21	12 1.6	19.4
239973 2001 QV_{226}	15.4	X	216.45569	130.38130	187.58793	17.77060	0.1389897	0.17605405	3.1528650	21	2 12.8	20.8
239974 2001 QN_{257}	17.5	X	72.53742	319.38484	358.35096	21.66089	0.0877950	0.40321277	1.8145957	21	—	—
239975 2001 QS_{269}	16.9	X	276.84232	122.52059	228.45187	3.34060	0.1718874	0.28710361	2.2756752	21	5 15.7	20.0
239976 2001 QU_{293}	15.9	X	231.00424	278.35363	119.82636	6.61276	0.1750167	0.18630979	3.0360734	21	6 2.4	20.9
239977 2001 QO_{329}	15.0	X	229.09862	143.31489	146.28268	12.04581	0.1137673	0.17560608	3.1582246	21	1 25.9	20.1
239978 2001 QG_{330}	15.2	X	166.33939	294.79231	51.14850	6.77189	0.1603678	0.17287403	3.1914120	21	2 7.9	20.4
239979 2001 RR_{30}	16.2	X	23.97669	178.28456	169.29638	8.75077	0.2106083	0.20356118	2.8620205	21	11 27.2	19.8
239980 2001 RB_{96}	17.5	X	210.89772	46.50324	30.20230	4.82981	0.1287574	0.28580207	2.2825789	21	7 2.7	20.9
239981 2001 RH_{115}	17.0	X	250.22336	308.33120	147.93204	3.69550	0.1169849	0.29594502	2.2301224	21	9 19.5	19.6
239982 2001 RT_{117}	17.1	X	181.37329	16.05291	165.77330	2.84365	0.0420380	0.30019968	2.2090010	21	10 29.7	19.8
239983 2001 RC_{118}	16.3	X	112.64185	164.08600	164.48335	5.77492	0.0949840	0.21188690	2.7865488	21	—	—
239984 2001 RH_{126}	16.0	X	297.66391	229.68963	154.00356	12.52158	0.2020380	0.19320136	2.9634386	21	7 25.3	19.8
239985 2001 RS_{130}	17.6	X	317.62617	228.36342	154.60209	4.48537	0.1322149	0.29556873	2.2320147	21	9 21.8	19.4
239986 2001 RT_{130}	16.4	X	82.74063	329.96278	25.35156	4.63783	0.0796161	0.21041941	2.7994896	21	—	—
239987 2001 RF_{138}	15.1	X	201.02060	279.28117	19.50930	4.65406	0.1162485	0.17132443	3.2106270	21	1 12.9	20.2
239988 2001 RW_{154}	16.0	X	220.06246	169.06963	184.79319	8.06269	0.0509033	0.17912908	3.1166784	21	4 5.9	20.7
239989 2001 SS_7	17.4	X	276.54135	52.61068	359.02081	4.93591	0.1250993	0.29428102	2.2385212	21	8 22.7	19.9
239990 2001 SL_8	15.7	X	63.78285	316.83048	194.26910	11.82570	0.0105595	0.17723537	3.1388395	21	4 11.1	20.0
239991 2001 SX_{15}	17.5	X	68.30544	146.86615	172.22467	3.88061	0.1780377	0.30449455	2.1881799	21	12 28.0	20.6
239992 2001 SS_{36}	15.5	X	241.85161	345.50369	19.15345	5.47489	0.1698459	0.18271758	3.0757367	21	5 1.4	20.4
239993 2001 SP_{82}	15.7	X	339.81702	144.02087	180.67809	11.98069	0.0677248	0.19406314	2.9546589	21	7 28.0	19.6
239994 2001 SH_{90}	17.7	X	284.33391	187.70607	199.56828	2.67146	0.1344324	0.29182974	2.2510390	21	7 24.5	20.3
239995 2001 SC_{193}	15.9	X	302.55632	310.03159	38.27240	2.30006	0.0620548	0.19070094	2.9892862	21	7 7.6	19.8
239996 2001 SV_{202}	17.7	X	192.68260	275.54885	154.25235	1.91404	0.1978993	0.28294438	2.2979223	21	6 3.2	21.5
239997 2001 SU_{215}	16.1	X	48.00261	120.95838	165.44537	10.84354	0.1166764	0.19831171	2.9123069	21	9 28.6	19.9
239998 2001 SF_{233}	17.1	X	92.71434	235.73375	82.76898	3.83887	0.1310658	0.30650797	2.1785868	21	—	—
239999 2001 SR_{233}	15.9	X	197.19780	342.67656	32.85203	8.85965	0.1799552	0.17713213	3.1400591	21	4 7.7	21.1
240000 2001 SY_{244}	15.2	X	15.36980	35.61856	21.29351	6.13721	0.1238479	0.15680631	3.4058619	21	—	—