Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
296001 2008 YO_{97}	16.9	X	207.36226	41.72480	41.87828	2.52782	0.0917308	0.19585520	2.9366080	21	7 10.0	21.3
296002 2008 YO_{101}	17.2	X	175.07882	299.67624	127.66589	3.98199	0.1416221	0.26774430	2.3840895	21	5 15.1	20.9
296003 2008 YU_{101}	17.1	X	280.54283	95.72147	254.25066	2.25132	0.1540887	0.27470951	2.3436185	21	5 22.3	20.1
296004 2008 YA_{103}	16.4	X	288.45320	212.75201	275.96969	3.53459	0.1286563	0.22351998	2.6890063	21	12 16.3	19.4
296005 2008 YU_{108}	17.6	X	216.82682	39.13938	354.93191	1.62745	0.2203995	0.27072928	2.3665330	21	5 8.3	21.4
296006 2008 YL_{109}	16.2	X	337.80116	148.49199	283.65834	2.33834	0.0715052	0.21303594	2.7765199	21	12 19.8	19.6
296007 2008 YM_{117}	17.2	X	217.56645	231.67601	131.39668	5.02333	0.1168525	0.26348373	2.4097215	21	4 5.7	20.9
296008 2008 YE_{118}	17.1	X	127.04469	264.78420	323.56072	3.16848	0.1759802	0.28477207	2.2880795	21	10 25.8	20.6
296009 2008 YW_{118}	16.1	X	328.56743	331.70449	310.82349	6.57041	0.2406737	0.18229818	3.0804523	21	4 21.2	19.8
296010 2008 YT_{121}	16.1	X	282.73065	144.91792	155.38754	2.63962	0.0424749	0.18287928	3.0739234	21	4 13.9	20.4
296011 2008 YK_{123}	16.4	X	179.44165	96.79316	126.92800	8.50108	0.1621656	0.21807725	2.7335634	21	12 1.0	21.0
296012 2008 YO_{123}	16.8	X	123.77488	111.29558	138.67783	4.29309	0.0846774	0.21404632	2.7677756	21	11 9.0	21.0
296013 2008 YW_{123}	17.3	X	239.46105	190.73095	159.20403	3.00489	0.1194311	0.26536670	2.3983088	21	4 9.9	20.7
296014 2008 YR_{125}	17.3	X	183.84199	153.38417	299.49735	3.60720	0.1127303	0.27346053	2.3507491	21	6 25.7	20.6
296015 2008 YY_{125}	16.1	X	188.38186	343.79058	299.94349	12.30068	0.1630031	0.23515248	2.5995789	21	—	—
296016 2008 YM_{135}	16.1	X	358.39788	161.07780	308.68719	12.42795	0.1042780	0.23395604	2.6084341	21	—	—
296017 2008 YN_{144}	15.6	X	331.68816	120.68077	127.37922	10.24257	0.0235437	0.17842082	3.1249208	21	4 17.7	20.1
296018 2008 YZ_{148}	17.2	X	86.97726	190.86677	297.32404	2.60510	0.1509924	0.26023914	2.4297092	21	4 22.2	20.1
296019 2008 YM_{149}	17.0	X	6.83633	101.69976	272.11210	1.47787	0.0899874	0.21959845	2.7209248	21	11 20.0	20.3
296020 2008 YF_{151}	16.6	X	298.25084	8.79324	4.38894	1.82975	0.0824646	0.20308450	2.8664973	21	8 1.5	20.3
296021 2008 YS_{151}	16.9	X	36.94133	224.41444	171.92957	2.74576	0.0815950	0.22839337	2.6506174	21	—	—
296022 2008 YK_{153}	17.2	X	305.60687	169.31263	117.82810	4.84144	0.1643263	0.26213873	2.4179571	21	3 31.5	20.2
296023 2008 YJ_{154}	17.0	X	53.14218	166.32863	265.12661	4.71305	0.1125394	0.24058552	2.5602933	21	—	—
296024 2008 YZ_{154}	17.5	X	95.56438	173.90149	249.81479	2.22859	0.0736758	0.24648443	2.5192797	21	1 26.9	20.4
296025 2008 YR_{155}	16.7	X	86.76430	77.28877	164.96679	2.20934	0.0103961	0.20224530	2.8744213	21	9 5.4	20.5
296026 2008 YS_{155}	17.2	X	279.12455	195.08835	138.41050	6.41722	0.1273378	0.26703414	2.3883145	21	5 4.7	20.5
296027 2008 YG_{158}	15.8	X	354.00587	304.92870	278.93936	8.59280	0.1692169	0.17546415	3.1599275	21	3 28.1	19.6
296028 2008 YZ_{158}	16.3	X	234.49889	346.88507	154.72614	2.46476	0.0164444	0.20525913	2.8462152	21	11 2.2	20.1
296029 2008 YS_{160}	15.7	X	133.26852	120.39668	350.80189	8.76994	0.0682506	0.17544920	3.1601070	21	5 21.9	20.5
296030 2008 YR_{164}	16.4	X	165.90267	151.94777	256.09257	2.24683	0.2036908	0.18270734	3.0758516	21	4 18.2	21.5
296031 2008 YU_{166}	16.3	X	332.04491	0.73698	60.06067	4.68135	0.1334245	0.22317979	2.6917381	21	11 29.6	19.2
296032 2008 YV_{166}	16.3	X	322.56840	134.46933	291.98948	10.93739	0.1682082	0.22274358	2.6952512	21	11 16.4	19.2
296033 2008 YF_{167}	16.2	X	74.99978	252.75979	100.71200	8.95575	0.0978188	0.23474377	2.6025955	21	—	—
296034 2008 YS_{167}	16.0	X	197.41839	344.28839	69.91939	4.71714	0.1572556	0.19279896	2.9675605	21	5 22.2	20.8
296035 2008 YV_{167}	17.1	X	216.21824	164.30030	239.72728	6.03712	0.1168130	0.27270743	2.3550750	21	5 25.5	20.6
296036 2008 YV_{168}	17.0	X	11.17679	228.87626	233.89904	0.43217	0.1089153	0.23803928	2.5785188	21	—	—
296037 2008 YB_{172}	17.1	X	24.58406	115.50222	118.13331	4.91642	0.0986825	0.26076190	2.4264609	21	6 5.5	19.5
296038 2008 YC_{172}	15.8	X	61.66037	107.66269	112.18325	9.83498	0.1123529	0.18511062	3.0491713	21	7 19.2	19.8
296039 2009 AB	15.3	X	358.17126	305.22377	269.70631	14.80641	0.2035178	0.17594150	3.1542094	21	3 17.0	19.1
296040 2009 AH_{2}	16.3	X	204.88433	233.54650	285.28155	2.91479	0.0431505	0.21218857	2.7839070	21	10 13.9	20.2
296041 2009 AC_{6}	16.3	X	40.98199	226.68737	354.96760	1.85815	0.0209973	0.19114305	2.9846749	21	6 10.1	20.3
296042 2009 AW_{6}	16.5	X	74.23811	32.91102	266.56634	7.61640	0.1637129	0.21592494	2.7516985	21	11 23.1	20.5
296043 2009 AW_{11}	16.5	X	165.22721	258.54327	301.84401	6.07626	0.0609419	0.29022524	2.2593279	21	10 28.4	19.6
296044 2009 AA_{16}	15.9	X	303.00608	244.39027	328.53707	12.42281	0.1297123	0.24404519	2.5360387	21	—	—
296045 2009 AX_{18}	16.6	X	47.79628	292.76522	278.24809	0.57704	0.1932874	0.18561267	3.0436705	21	6 28.2	20.1
296046 2009 AC_{20}	16.4	X	88.42874	215.72686	101.79461	5.84526	0.0537841	0.22198309	2.7014035	21	12 20.2	20.3
296047 2009 AD_{21}	15.6	X	113.28214	8.59011	93.09852	10.34768	0.0577384	0.18348604	3.0671430	21	4 21.8	20.1
296048 2009 AL_{23}	17.7	X	149.98543	268.04239	304.87526	2.27351	0.1036097	0.28912189	2.2650723	21	10 28.3	20.9
296049 2009 AV_{24}	17.4	X	49.40454	291.10671	303.88988	3.89329	0.1684225	0.26776224	2.3839830	21	8 2.1	19.9
296050 2009 AT_{26}	16.8	X	95.06310	244.51495	96.46098	3.84587	0.1016895	0.22868025	2.6484002	21	—	—
296051 2009 AM_{27}	16.4	X	82.11608	160.61599	311.29728	0.44506	0.1543042	0.17431826	3.1737603	21	4 5.2	20.7
296052 2009 AG_{28}	16.0	X	81.16924	0.57494	124.26734	12.34764	0.0484532	0.17705528	3.1409676	21	4 10.4	20.5
296053 2009 AK_{28}	16.7	X	88.66495	299.99968	159.41222	1.06423	0.1574974	0.17435203	3.1733505	21	3 30.2	20.9
296054 2009 AR_{29}	16.0	X	28.49523	293.98456	105.46149	0.30792	0.0148831	0.15062271	3.4984506	21	12 27.7	20.9
296055 2009 AW_{29}	18.2	X	224.04044	216.18685	192.62123	0.53331	0.1711704	0.27693144	2.3310658	21	6 5.8	21.5
296056 2009 AX_{30}	16.0	X	119.89284	326.75655	127.23085	6.18790	0.1286044	0.18044346	3.1015250	21	4 27.2	20.6
296057 2009 AH_{32}	17.3	X	158.67964	166.11362	286.04479	2.53841	0.1625494	0.26699246	2.3885631	21	5 30.8	20.9
296058 2009 AA_{33}	15.7	X	41.94144	259.48828	316.58767	7.67670	0.0591209	0.18446469	3.0562853	21	6 7.7	19.8
296059 2009 AD_{37}	16.7	X	27.44744	165.66975	97.98859	7.89319	0.0862973	0.27646451	2.3336898	21	7 26.8	19.0
296060 2009 AO_{38}	17.0	X	77.89676	160.80455	186.63538	1.80459	0.0930825	0.22754362	2.6572124	21	—	—
296061 2009 AW_{40}	17.1	X	148.07973	284.55020	130.39706	3.29268	0.1557678	0.25868079	2.4394576	21	4 3.3	20.7
296062 2009 AC_{41}	17.5	X	253.21330	347.47411	10.39959	1.65008	0.2013979	0.26945944	2.3739621	21	4 26.2	20.9
296063 2009 AL_{42}	16.8	X	73.08151	290.24122	66.39725	2.88259	0.0885493	0.22548331	2.6733743	21	—	—
296064 2009 AN_{43}	16.4	X	124.03399	29.18168	307.17660	11.25691	0.2045875	0.23262277	2.6183914	21	—	—
296065 2009 AU_{43}	16.7	X	237.61789	26.53396	136.81707	5.97973	0.0962292	0.21965171	2.7204849	21	11 25.1	20.5
296066 2009 AN_{44}	16.8	X	68.26671	269.42697	303.91040	10.42310	0.2066583	0.26815923	2.3816296	21	8 5.7	19.6
296067 2009 AX_{44}	15.9	X	316.97338	76.93996	92.83430	15.79994	0.0433738	0.23412769	2.6071591	21	—	—
296068 2009 AA_{48}	15.8	X	138.94277	1.78108	63.22610	6.02744	0.0464689	0.17800378	3.1297999	21	4 3.9	20.4
296069 2009 AD_{50}	16.7	X	321.73259	138.36646	305.77041	4.82304	0.0523557	0.21482930	2.7610464	21	12 11.7	20.3
296070 2009 AE_{50}	16.8	X	307.74110	211.38892	148.37920	6.80974	0.1362034	0.28072406	2.3100229	21	7 21.6	19.1
296071 2009 AS_{50}	17.0	X	353.57095	107.89290	171.70497	3.70858	0.0723666	0.26826474	2.3810051	21	6 18.4	19.5
296072 2009 BK_{1}	16.0	X	251.26335	356.28164	128.20908	12.41140	0.1246970	0.21228566	2.7830581	21	10 22.6	20.1
296073 2009 BP_{3}	16.5	X	341.90527	280.80756	140.63705	15.33844	0.1710907	0.22458154	2.6805259	21	12 23.1	19.5
296074 2009 BH_{4}	16.5	X	47.39562	239.79959	211.09021	5.12339	0.1670770	0.24306459	2.5428549	21	—	—
296075 2009 BL_{7}	16.1	X	355.88468	315.33646	138.35119	13.67963	0.1246294	0.23192869	2.6236128	21	—	—
296076 2009 BZ_{7}	15.7	X	1.42355	118.07826	119.29903	11.22237	0.1908276	0.17983258	3.1085448	21	5 8.1	19.2
296077 2009 BN_{8}	16.6	X	188.83436	237.10900	121.13181	16.81594	0.1626463	0.25644617	2.4536084	21	3 6.0	20.7
296078 2009 BF_{9}	16.5	X	273.28908	195.55016	290.77956	4.58598	0.0752646	0.21894950	2.7262985	21	11 25.3	20.0
296079 2009 BE_{11}	16.4	X	137.55904	334.80411	142.38743	14.13950	0.1119262	0.26375109	2.4080927	21	6 9.6	20.1
296080 2009 BA_{12}	15.1	X	326.05702	335.85337	285.79233	16.04245	0.1616837	0.17724368	3.1387415	21	3 27.2	19.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
296081 2009 BB_{12}	17.4	X	161.69631	275.24815	188.49297	4.64533	0.1890820	0.26957796	2.3732662	21	6 19.4	21.2
296082 2009 BR_{13}	15.2	X	313.79611	272.94687	336.48078	10.13253	0.0497619	0.17487546	3.1670151	21	3 17.5	19.5
296083 2009 BT_{13}	16.7	X	174.83326	248.36147	147.16370	7.03010	0.1766064	0.26070758	2.4267979	21	4 7.0	20.6
296084 2009 BA_{14}	15.4	X	316.63541	13.83438	308.26319	8.21921	0.1313715	0.18486114	3.0519141	21	6 13.4	19.4
296085 2009 BB_{14}	16.7	X	260.11078	59.07931	187.76147	5.88793	0.0822939	0.23443741	2.6048623	21	—	—
296086 2009 BC_{16}	17.0	X	159.66498	176.83911	232.62651	1.85055	0.0848664	0.25946262	2.4345546	21	3 30.9	20.3
296087 2009 BL_{16}	16.8	X	351.29586	208.69909	135.86334	7.84139	0.1467703	0.28749082	2.2736314	21	10 3.7	18.7
296088 2009 BW_{16}	16.7	X	346.91529	209.08787	338.78186	3.75506	0.0620298	0.24314785	2.5422744	21	2 1.1	19.8
296089 2009 BK_{17}	15.6	X	32.52483	117.45249	116.78518	11.26898	0.0613149	0.18540441	3.0459494	21	6 19.5	19.6
296090 2009 BP_{20}	17.5	X	199.99242	85.35659	309.05952	1.31882	0.1952560	0.26771799	2.3842457	21	4 24.9	21.5
296091 2009 BF_{25}	15.4	X	28.97239	75.35624	136.44250	18.04958	0.0775837	0.18194174	3.0844743	21	5 21.8	19.7
296092 2009 BK_{29}	16.7	X	209.34246	3.56831	352.84960	1.99699	0.2373786	0.26046379	2.4283120	21	3 17.6	20.7
296093 2009 BD_{31}	16.3	X	265.77147	358.69935	105.57680	5.55757	0.0268613	0.21174018	2.7878358	21	10 26.7	20.1
296094 2009 BB_{32}	16.1	X	38.76554	103.53070	81.91837	2.45240	0.1058246	0.17667861	3.1454303	21	4 29.7	19.9
296095 2009 BF_{34}	17.1	X	168.47145	222.96198	94.86904	3.76989	0.0196123	0.23650514	2.5896575	21	—	—
296096 2009 BL_{34}	17.4	X	271.37246	274.25277	45.30472	2.87870	0.2283631	0.26035918	2.4289624	21	3 25.4	21.2
296097 2009 BQ_{34}	15.5	X	206.06425	78.26344	321.27568	15.22777	0.0750957	0.18528937	3.0472099	21	5 9.3	20.4
296098 2009 BS_{34}	16.2	X	60.66763	221.16055	119.51633	14.35535	0.1596805	0.21957610	2.7211094	21	12 29.7	20.2
296099 2009 BO_{35}	16.5	X	199.30453	327.61240	333.73774	9.20173	0.1991947	0.23796138	2.5790815	21	1 6.9	20.9
296100 2009 BS_{39}	16.7	X	21.03148	285.61013	331.48571	5.78348	0.1054933	0.26626855	2.3928903	21	7 6.2	19.0
296101 2009 BT_{42}	16.9	X	356.34660	248.79860	126.49171	4.40292	0.1051525	0.21223888	2.7834670	21	11 7.5	20.2
296102 2009 BV_{42}	17.6	X	148.32155	163.91464	127.04749	4.21666	0.1767286	0.30189690	2.2007140	21	—	—
296103 2009 BC_{43}	17.1	X	230.50943	280.60842	109.26474	2.17897	0.1615276	0.26879866	2.3778510	21	5 19.6	20.6
296104 2009 BT_{43}	16.8	X	144.73600	252.09985	306.92164	4.39170	0.0746313	0.20120431	2.8843272	21	9 24.1	21.1
296105 2009 BE_{44}	15.7	X	308.58339	331.98295	321.94856	14.59161	0.1287242	0.17810622	3.1285997	21	4 18.7	20.2
296106 2009 BG_{44}	16.2	X	81.78374	172.07747	144.33796	5.75893	0.1087907	0.21400217	2.7681563	21	12 16.2	20.3
296107 2009 BR_{44}	15.4	X	319.95526	296.97234	320.64113	13.94997	0.0319334	0.17342035	3.1847060	21	4 2.2	20.1
296108 2009 BQ_{47}	16.3	X	133.20025	100.65320	129.17126	4.97213	0.0490164	0.20904329	2.8117621	21	10 23.6	20.4
296109 2009 BK_{49}	16.5	X	132.81818	70.26640	120.78387	2.93974	0.1508959	0.19757719	2.9195204	21	9 8.8	21.1
296110 2009 BR_{50}	16.1	X	274.34684	259.92954	100.01990	3.55963	0.0871120	0.19142820	2.9817102	21	6 10.9	20.3
296111 2009 BU_{50}	16.4	X	22.64295	2.36095	353.14498	2.95023	0.0975521	0.21446207	2.7641974	21	11 18.7	19.9
296112 2009 BW_{50}	17.1	X	315.48378	247.07249	106.28472	4.13095	0.1968728	0.28026985	2.3125180	21	7 17.1	18.8
296113 2009 BT_{53}	16.4	X	7.84846	172.19999	57.08136	2.01877	0.1081174	0.17789545	3.1310703	21	5 6.6	20.0
296114 2009 BG_{55}	16.4	X	51.39776	329.11760	329.41349	5.97991	0.0500598	0.20603422	2.8390725	21	10 5.9	20.2
296115 2009 BH_{56}	16.5	X	7.95876	179.03861	163.76571	2.24124	0.0829065	0.20490735	2.8494718	21	10 9.2	20.0
296116 2009 BS_{60}	17.3	X	100.20556	295.37862	228.03290	1.35809	0.1528202	0.26395794	2.4068345	21	6 30.9	20.5
296117 2009 BO_{62}	14.9	X	90.31716	181.40368	330.49709	27.10676	0.1117833	0.17820728	3.1274167	21	5 23.8	19.9
296118 2009 BJ_{63}	16.7	X	256.23687	280.14625	180.85614	3.77437	0.0559193	0.20973183	2.8056048	21	10 3.3	20.3
296119 2009 BU_{64}	15.6	X	185.44085	184.15774	329.15184	14.43237	0.0752434	0.20405695	2.8573830	21	9 9.8	20.0
296120 2009 BK_{65}	17.2	X	318.78581	59.25203	170.36662	1.48047	0.1350116	0.24462976	2.5319970	21	2 4.8	20.6
296121 2009 BL_{65}	16.8	X	182.62010	332.33581	160.32621	2.82389	0.0187953	0.19589730	2.9361873	21	8 15.7	20.8
296122 2009 BA_{68}	16.4	X	341.68803	296.04431	132.88120	5.22587	0.1221095	0.21956796	2.7211766	21	12 26.3	19.4
296123 2009 BC_{68}	16.4	X	186.50907	259.87087	182.86951	1.31402	0.0606236	0.18659073	3.0330251	21	6 16.8	20.8
296124 2009 BL_{69}	16.2	X	317.79549	174.55140	309.03568	14.39724	0.0393896	0.22897100	2.6461577	21	—	—
296125 2009 BQ_{70}	16.5	X	241.23690	96.85304	58.59302	3.00887	0.0113934	0.21889587	2.7267438	21	11 29.9	20.2
296126 2009 BE_{71}	16.9	X	259.88500	318.51220	55.84583	8.01794	0.1676290	0.27411781	2.3469898	21	5 28.4	20.1
296127 2009 BN_{71}	17.1	X	224.24646	155.75499	219.88913	4.91679	0.1077606	0.26569807	2.3963143	21	4 26.9	20.4
296128 2009 BQ_{72}	16.0	X	120.64097	193.95363	263.67227	4.00152	0.1044892	0.17894867	3.1187728	21	4 25.9	20.7
296129 2009 BG_{73}	16.1	X	144.49523	40.01586	350.99058	8.24629	0.0538046	0.17003212	3.2268745	21	2 28.5	20.7
296130 2009 BT_{73}	16.8	X	179.88260	106.32088	61.00894	11.72554	0.0591453	0.20480869	2.8503868	21	10 1.5	21.2
296131 2009 BT_{75}	16.0	X	139.53156	302.01393	144.97971	13.74581	0.2484488	0.18156600	3.0887282	21	5 19.9	21.4
296132 2009 BS_{76}	17.3	X	168.98601	271.12443	156.88858	3.37294	0.2158458	0.26550475	2.3974774	21	5 12.9	21.3
296133 2009 BG_{77}	17.5	X	188.62942	295.47741	94.52871	2.99577	0.1941611	0.26398972	2.4066413	21	4 11.8	21.4
296134 2009 BN_{81}	15.4	X	222.07645	316.79971	75.32751	17.14976	0.0882823	0.18442260	3.0567503	21	5 23.9	20.1
296135 2009 BS_{84}	16.2	X	121.70507	334.87867	133.45356	6.06762	0.1084360	0.18151444	3.0893132	21	5 13.9	20.8
296136 2009 BB_{86}	17.2	X	48.12585	131.07884	315.58692	3.19427	0.1509628	0.24085058	2.5584146	21	—	—
296137 2009 BU_{86}	15.9	X	173.40007	25.97225	329.43572	3.23707	0.1072682	0.16779138	3.2555394	21	2 20.2	20.9
296138 2009 BD_{87}	16.7	X	99.50186	164.40846	122.64825	5.96318	0.0651029	0.21338223	2.7735152	21	11 26.2	20.7
296139 2009 BB_{91}	16.6	X	249.55327	283.31730	325.57331	2.59376	0.1098503	0.23586764	2.5943215	21	—	—
296140 2009 BK_{91}	17.4	X	54.99039	45.79905	144.71907	1.65620	0.1207950	0.25980599	2.4324090	21	5 28.3	19.8
296141 2009 BR_{91}	16.2	X	19.73333	208.29464	131.96696	4.54264	0.1044767	0.20889949	2.8130522	21	10 28.3	19.7
296142 2009 BL_{92}	17.2	X	74.14983	343.93743	310.59134	5.72341	0.1958839	0.28637084	2.2795556	21	11 30.6	20.6
296143 2009 BG_{96}	16.6	X	119.71079	333.63556	140.56078	3.31496	0.1756334	0.18291726	3.0734979	21	5 25.3	21.4
296144 2009 BA_{97}	17.5	X	185.85534	20.19065	33.07845	3.63803	0.1336077	0.26618927	2.3933654	21	5 5.7	21.2
296145 2009 BS_{97}	17.5	X	147.66396	265.47601	147.34202	2.65713	0.1940546	0.25468038	2.4649365	21	4 3.5	21.3
296146 2009 BE_{101}	16.1	X	292.25857	25.27083	79.99962	13.38131	0.1125279	0.21918733	2.7243260	21	11 23.8	19.3
296147 2009 BA_{102}	16.4	X	173.18688	45.95357	88.78870	2.77873	0.0757006	0.19256788	2.9699341	21	8 7.6	20.8
296148 2009 BD_{104}	17.6	X	165.96676	106.54535	296.70050	1.50274	0.1778664	0.25710300	2.4494276	21	4 5.7	21.6
296149 2009 BN_{104}	17.5	X	31.15058	127.54384	148.92508	2.88590	0.1976499	0.26961061	2.3730746	21	9 8.1	19.6
296150 2009 BE_{107}	16.4	X	175.87803	122.64433	336.70370	6.93384	0.0643418	0.26784036	2.3835195	21	6 25.4	19.7
296151 2009 BQ_{108}	15.9	X	201.12389	296.29066	73.04483	3.21218	0.0311326	0.17043926	3.2217336	21	4 5.8	20.7
296152 2009 BW_{109}	15.6	X	353.48748	117.32064	165.57061	13.86323	0.1640747	0.18118276	3.0930823	21	6 22.3	19.3
296153 2009 BX_{109}	16.4	X	315.00597	257.87668	170.82603	3.88997	0.0391720	0.20931142	2.8093602	21	11 13.1	20.0
296154 2009 BW_{112}	17.0	X	56.68185	128.80289	152.56012	6.34796	0.1117110	0.27159279	2.3615142	21	10 13.2	19.9
296155 2009 BF_{113}	16.2	X	259.58864	204.37655	176.86646	10.55016	0.0089267	0.18639722	3.0351239	21	6 30.4	20.6
296156 2009 BG_{114}	17.3	X	173.42091	284.87496	95.52361	2.40446	0.1841739	0.25840377	2.4412007	21	3 17.3	21.1
296157 2009 BC_{115}	16.5	X	158.15029	327.39887	157.95086	1.42650	0.1285765	0.26872670	2.3782755	21	7 12.0	20.1
296158 2009 BF_{115}	16.8	X	112.38842	329.13012	163.31062	2.61940	0.1433907	0.26114974	2.4240579	21	6 2.4	20.1
296159 2009 BX_{122}	15.6	X	2.36181	321.38638	325.55032	7.74979	0.0891498	0.18842805	3.0132767	21	7 15.7	19.3
296160 2009 BO_{123}	15.8	X	58.86075	305.31756	299.86352	4.37657	0.1046362	0.19064306	2.9898912	21	8 15.8	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
296161 2009 BX_{123}	16.9	X	53.90494	20.85253	313.14170	5.07983	0.0463325	0.21219796	2.7838249	21	11 25.1	20.7
296162 2009 BX_{126}	16.8	X	151.16634	328.41663	208.41207	1.24631	0.0354424	0.19936833	2.9020079	21	9 3.4	20.8
296163 2009 BJ_{127}	16.1	X	247.52535	253.12500	144.37241	9.74448	0.0295491	0.19102182	2.9859377	21	7 3.5	20.5
296164 2009 BV_{127}	17.5	X	160.01838	88.38499	327.49913	1.74963	0.1627198	0.25855168	2.4402696	21	4 14.9	21.3
296165 2009 BW_{127}	15.7	X	344.40622	131.52993	144.24796	9.75242	0.0993775	0.18248209	3.0783823	21	6 1.4	19.7
296166 2009 BT_{129}	16.7	X	214.29872	44.27885	113.20012	6.13143	0.0068954	0.20852008	2.8164635	21	10 31.4	20.7
296167 2009 BO_{131}	16.0	X	217.71480	247.50986	359.42888	11.87534	0.0473574	0.22567488	2.6718613	21	—	—
296168 2009 BS_{131}	15.4	X	87.60763	339.25449	105.75025	11.00285	0.0522815	0.16826105	3.2494784	21	2 28.6	20.0
296169 2009 BS_{133}	15.9	X	94.77068	196.86438	307.46910	5.66796	0.0699843	0.18192456	3.0846685	21	5 18.3	20.2
296170 2009 BX_{133}	17.8	X	171.90654	172.54582	236.73087	0.61220	0.1853103	0.26237907	2.4164803	21	4 19.4	21.6
296171 2009 BP_{134}	16.6	X	44.50248	292.56582	134.54813	4.63135	0.1648532	0.23702734	2.5858525	21	—	—
296172 2009 BE_{136}	16.6	X	255.21002	307.09456	286.14445	2.66764	0.1108617	0.23436821	2.6053750	21	—	—
296173 2009 BH_{136}	16.9	X	102.81490	200.72555	142.76890	5.34328	0.1666614	0.23023082	2.6364957	21	—	—
296174 2009 BK_{139}	17.0	X	95.21055	70.62524	166.97250	0.86470	0.0445210	0.20101420	2.8861455	21	9 14.9	20.9
296175 2009 BD_{143}	16.4	X	117.84692	248.60893	106.77508	5.15433	0.0671194	0.23283528	2.6167980	21	—	—
296176 2009 BT_{143}	17.3	X	33.57364	179.07137	136.69381	10.10102	0.2110783	0.28428830	2.2906746	21	11 17.1	20.1
296177 2009 BM_{149}	16.1	X	239.42352	298.71771	165.08887	16.15252	0.0684354	0.20066984	2.8894464	21	9 13.3	20.0
296178 2009 BB_{150}	15.9	X	309.37663	337.23980	332.45754	5.19099	0.1345765	0.18033881	3.1027248	21	5 15.0	20.1
296179 2009 BM_{151}	17.4	X	116.24165	20.39552	157.51455	3.29045	0.1316840	0.26565016	2.3966024	21	8 6.1	20.7
296180 2009 BO_{151}	15.7	X	340.81906	91.41291	173.63853	18.68988	0.1095085	0.17201488	3.2020298	21	5 13.7	20.0
296181 2009 BH_{153}	16.6	X	10.80404	177.37374	53.63032	0.71052	0.1165220	0.17991396	3.1076074	21	5 13.6	20.3
296182 2009 BW_{153}	17.1	X	302.41934	7.19934	74.65461	1.96150	0.0504568	0.21511904	2.7585666	21	11 11.9	20.7
296183 2009 BU_{156}	17.2	X	137.36016	166.67788	331.46440	2.38645	0.1071233	0.26618065	2.3934171	21	7 5.5	20.4
296184 2009 BZ_{157}	15.6	X	289.67193	151.87173	153.46854	9.36411	0.0748835	0.17468451	3.1693226	21	4 27.3	20.1
296185 2009 BH_{159}	16.4	X	198.55936	301.02536	336.98292	12.37512	0.1884069	0.22475665	2.6791335	21	—	—
296186 2009 BK_{159}	15.5	X	286.01659	174.32191	160.15294	10.65933	0.0950537	0.18103824	3.0947281	21	5 25.4	20.0
296187 2009 BD_{160}	15.7	X	353.79379	281.66671	312.41086	8.11243	0.0310073	0.17468387	3.1693304	21	4 20.5	20.2
296188 2009 BH_{161}	16.7	X	107.21971	80.40004	67.58251	3.37057	0.1038863	0.26338983	2.4102942	21	6 11.2	19.8
296189 2009 BO_{170}	17.2	X	109.41415	82.56868	317.99235	2.60963	0.1762241	0.24511116	2.5286807	21	2 1.5	20.3
296190 2009 BY_{170}	16.4	X	140.52646	112.89642	130.57136	5.30324	0.0177650	0.21009524	2.8023685	21	11 16.5	20.3
296191 2009 BB_{171}	16.1	X	237.27659	143.54583	147.65024	2.06355	0.1290439	0.16868626	3.2440154	21	2 5.1	21.0
296192 2009 BU_{172}	15.6	X	156.69161	6.12667	184.79176	15.25918	0.0783198	0.20226179	2.8742651	21	9 29.2	19.9
296193 2009 BQ_{176}	17.3	X	295.75644	92.15548	152.16853	3.43734	0.0802985	0.24160917	2.5530566	21	2 3.2	20.8
296194 2009 BA_{183}	16.3	X	32.92762	285.03494	0.08381	1.66466	0.0715854	0.19725560	2.9226927	21	8 28.5	20.0
296195 2009 BH_{183}	16.1	X	350.77255	358.93157	120.33187	15.58727	0.2041903	0.22965693	2.6408861	21	—	—
296196 2009 BN_{183}	15.9	X	289.12979	315.12910	337.46498	25.12024	0.1376785	0.17013342	3.2255934	21	3 20.8	20.8
296197 2009 BN_{186}	16.2	X	94.51023	204.32609	317.15060	13.11931	0.0860661	0.18187014	3.0852838	21	6 12.9	20.8
296198 2009 BA_{187}	15.7	X	343.69282	328.69622	339.53599	18.23218	0.1093430	0.18645454	3.0345018	21	7 17.4	19.6
296199 2009 BH_{187}	15.6	X	192.71061	30.23751	345.50144	10.51431	0.0652235	0.17780411	3.1321425	21	3 30.2	20.4
296200 2009 BM_{187}	16.0	X	266.85895	151.56416	170.28315	9.56597	0.0565276	0.17508822	3.1644490	21	4 21.6	20.6
296201 2009 BN_{188}	15.8	X	120.56573	348.59790	173.01393	13.33578	0.0962648	0.18523251	3.0478335	21	7 13.9	20.6
296202 2009 BO_{188}	15.9	X	280.71945	191.34268	154.42165	16.63466	0.0586162	0.18296032	3.0730157	21	6 7.7	20.5
296203 2009 BY_{188}	15.3	X	41.87812	9.43028	163.22829	27.61274	0.0999581	0.17440273	3.1727355	21	4 21.8	19.7
296204 2009 BT_{189}	16.5	X	328.22774	266.16832	284.29877	10.80723	0.1270823	0.24061646	2.5600739	21	—	—
296205 2009 CC_{1}	17.1	X	176.10088	272.34451	146.15942	7.38083	0.1569269	0.26415533	2.4056354	21	5 6.7	20.9
296206 2009 CE_{1}	15.7	X	338.82158	126.07000	301.55070	4.41647	0.0233841	0.21905415	2.7254302	21	12 14.8	19.2
296207 2009 CO_{2}	17.3	X	192.13687	17.47060	15.60089	5.44569	0.1674847	0.26250544	2.4157047	21	4 16.3	21.0
296208 2009 CG_{5}	16.4	X	72.13064	63.92072	138.75771	5.31027	0.0455783	0.19077151	2.9885489	21	6 30.8	20.5
296209 2009 CO_{7}	16.4	X	359.79201	176.23828	240.51568	2.30505	0.2384023	0.23200472	2.6230396	21	—	—
296210 2009 CQ_{12}	17.8	X	209.97109	278.61762	193.71959	3.46066	0.1659373	0.27896491	2.3197241	21	8 14.9	21.2
296211 2009 CB_{15}	16.1	X	137.31568	334.75760	322.16989	16.05481	0.0637010	0.22684477	2.6626670	21	—	—
296212 2009 CK_{22}	16.6	X	285.86931	228.57499	158.02146	2.20635	0.0687212	0.19844463	2.9110063	21	8 2.8	20.6
296213 2009 CL_{22}	16.2	X	48.30631	190.77338	141.24682	12.30975	0.1264407	0.21305917	2.7763181	21	12 1.1	20.2
296214 2009 CM_{22}	17.5	X	138.09061	231.78609	202.66950	1.14997	0.1587427	0.25807681	2.4432621	21	4 16.8	20.8
296215 2009 CN_{23}	16.2	X	89.30883	158.09297	152.99093	6.96567	0.0408019	0.21661794	2.7458265	21	12 11.5	20.2
296216 2009 CE_{26}	16.0	X	319.08647	293.53610	348.40297	10.07595	0.0881552	0.17759423	3.1346098	21	4 27.4	20.3
296217 2009 CQ_{26}	16.5	X	357.71655	279.10968	106.21705	5.39389	0.0810568	0.21236687	2.7823486	21	11 20.6	20.0
296218 2009 CM_{27}	15.9	X	359.76235	293.80900	350.44590	10.41947	0.0576006	0.18733002	3.0250401	21	7 8.5	20.0
296219 2009 CY_{27}	16.2	X	18.59714	99.58601	331.59519	13.43232	0.1271095	0.22867142	2.6484684	21	—	—
296220 2009 CC_{28}	16.9	X	321.33600	43.32319	97.10489	1.65687	0.0677505	0.22842685	2.6503585	21	—	—
296221 2009 CW_{28}	17.2	X	134.30115	78.93807	343.03135	5.59061	0.1160372	0.25183018	2.4835002	21	3 21.6	20.6
296222 2009 CN_{29}	16.6	X	31.71673	212.04339	100.84598	3.26160	0.0631430	0.20124114	2.8839753	21	10 3.3	20.3
296223 2009 CR_{33}	17.6	X	74.11024	234.78269	180.59999	0.41285	0.0836085	0.23821765	2.5772315	21	—	—
296224 2009 CB_{35}	16.4	X	287.20362	21.19056	91.95104	6.20528	0.0818946	0.21845013	2.7304518	21	11 28.7	19.8
296225 2009 CQ_{36}	16.9	X	185.76733	299.76142	292.76421	5.07500	0.2145356	0.21404355	2.7677994	21	12 11.5	21.6
296226 2009 CH_{38}	17.8	X	118.71207	291.13008	303.24355	1.87687	0.1729440	0.28240221	2.3008624	21	10 25.9	21.3
296227 2009 CK_{38}	17.2	X	109.37960	275.43749	99.25965	3.00915	0.0792453	0.23789009	2.5795967	21	—	—
296228 2009 CB_{39}	17.1	X	73.35731	234.90633	320.89622	3.36307	0.1092786	0.26174217	2.4203987	21	7 3.3	20.0
296229 2009 CC_{44}	15.5	X	79.63534	204.08995	339.82893	8.03570	0.0790270	0.17964342	3.1107266	21	6 21.9	19.9
296230 2009 CG_{44}	15.7	X	24.74083	42.48606	172.67154	9.74909	0.1395855	0.17199025	3.2023355	21	5 20.3	19.6
296231 2009 CR_{45}	16.6	X	304.71589	221.66797	96.82201	7.35056	0.1037856	0.26925126	2.3751856	21	5 22.3	19.4
296232 2009 CS_{47}	17.2	X	106.39596	16.68304	31.50436	5.35850	0.2569434	0.24408609	2.5357554	21	2 22.5	20.5
296233 2009 CQ_{50}	15.5	X	8.55581	174.15852	114.21430	10.87382	0.0165330	0.19180874	2.9777653	21	7 24.1	19.6
296234 2009 CD_{51}	15.8	X	150.65438	355.36084	136.06670	11.05114	0.0599062	0.19007289	2.9958674	21	7 7.7	20.3
296235 2009 CK_{51}	16.4	X	12.87869	104.66248	328.87510	21.63870	0.0514935	0.22718379	2.6600174	21	—	—
296236 2009 CF_{54}	16.3	X	284.93040	313.99524	155.56761	8.28601	0.1775491	0.21399898	2.7681837	21	11 8.8	19.7
296237 2009 CA_{56}	16.3	X	121.60740	0.66518	132.04557	7.46723	0.1019758	0.18274890	3.0753853	21	6 11.4	20.9
296238 2009 CW_{57}	15.6	X	159.86393	29.88660	93.46489	9.81475	0.0378345	0.18592540	3.0402565	21	7 7.3	19.9
296239 2009 CY_{59}	17.6	X	50.88003	340.10568	255.90649	0.82686	0.1591000	0.26004333	2.4309288	21	8 4.1	20.0
296240 2009 CE_{60}	16.6	X	66.23822	62.52355	348.97121	12.38060	0.2316823	0.23838936	2.5759938	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
296241 2009 CN_{60}	16.6	X	7.22087	137.26411	257.78908	4.17569	0.0774195	0.21427717	2.7657873	21	12 15.9	20.0
296242 2009 DW_{6}	17.2	X	190.30700	150.87117	320.11627	1.80241	0.0982171	0.27209384	2.3586142	21	7 27.9	20.4
296243 2009 DZ_{11}	16.6	X	64.36398	61.44188	148.97955	5.46801	0.2032114	0.26030116	2.4293233	21	7 26.2	19.3
296244 2009 DA_{12}	17.2	X	345.80930	324.83656	24.17918	21.13521	0.0754798	0.35726518	1.9670207	21	10 7.9	18.6
296245 2009 DQ_{12}	16.7	X	4.17449	358.15134	310.92398	4.53459	0.2063085	0.26732126	2.3866041	21	8 31.5	18.4
296246 2009 DN_{13}	16.7	X	100.29532	155.49990	187.95762	6.06781	0.0259924	0.21949865	2.7217495	21	—	—
296247 2009 DA_{15}	15.9	X	162.52387	302.34231	49.48172	7.24015	0.1645820	0.23612627	2.5924268	21	2 2.8	20.0
296248 2009 DL_{17}	16.9	X	312.16703	323.15055	168.64969	7.79408	0.1843268	0.22460321	2.6803535	21	—	—
296249 2009 DR_{18}	16.5	X	309.04885	255.58883	163.49695	5.64477	0.0673373	0.20689956	2.8311508	21	10 21.4	20.1
296250 2009 DC_{20}	15.6	X	54.64139	95.15767	327.54207	21.72483	0.0473945	0.23206909	2.6225544	21	—	—
296251 2009 DH_{21}	16.3	X	303.70592	285.66506	344.74917	4.37667	0.1551083	0.17339552	3.1850100	21	3 17.6	20.5
296252 2009 DK_{23}	16.1	X	161.26335	287.72670	149.80417	6.29736	0.1865488	0.18064603	3.0992059	21	5 21.1	21.3
296253 2009 DM_{23}	18.1	X	220.85188	74.18539	146.68195	3.13937	0.0490533	0.29998667	2.2100465	21	—	—
296254 2009 DP_{23}	16.9	X	72.06871	245.39570	159.14905	13.06991	0.1589862	0.23242834	2.6198514	21	—	—
296255 2009 DU_{23}	16.7	X	159.34784	25.05142	96.23141	4.17799	0.0549833	0.18547206	3.0452086	21	7 4.8	21.3
296256 2009 DB_{28}	15.8	X	41.34436	86.32931	151.09859	10.00133	0.0403421	0.18562232	3.0435651	21	7 3.4	20.1
296257 2009 DQ_{31}	16.2	X	212.86307	282.48150	287.17164	3.00353	0.0348892	0.21434867	2.7651723	21	12 28.5	20.0
296258 2009 DW_{32}	16.0	X	84.86313	37.40900	142.25497	3.84237	0.0543506	0.17835428	3.1256981	21	6 19.4	20.3
296259 2009 DP_{33}	15.7	X	13.66082	86.60210	151.51262	5.51375	0.0417678	0.17436339	3.1732126	21	5 28.2	19.9
296260 2009 DM_{34}	15.9	X	165.91172	69.22156	29.46728	5.48042	0.1211813	0.18068771	3.0987293	21	6 15.6	20.8
296261 2009 DX_{34}	16.1	X	214.22510	239.33548	162.58394	7.20686	0.0166635	0.17558109	3.1585242	21	5 31.8	20.7
296262 2009 DA_{35}	15.6	X	94.91398	290.25646	15.90078	14.94853	0.1547322	0.20385190	2.8592988	21	12 18.2	20.3
296263 2009 DO_{35}	16.8	X	174.70577	169.24725	53.21759	1.18683	0.1478476	0.20578324	2.8413804	21	11 22.7	21.2
296264 2009 DH_{36}	15.9	X	202.38283	0.46210	335.95104	6.75464	0.2570516	0.24391449	2.5369446	21	2 18.8	20.3
296265 2009 DY_{38}	16.1	X	267.79110	254.70996	278.76500	11.43146	0.2560841	0.22178253	2.7030319	21	12 23.3	19.0
296266 2009 DO_{39}	16.9	X	211.85643	199.67715	177.78829	6.84309	0.1625289	0.26299041	2.4127340	21	4 16.6	20.6
296267 2009 DY_{40}	16.4	X	343.81649	286.40406	158.27911	9.91692	0.0933069	0.22280785	2.6947329	21	—	—
296268 2009 DA_{41}	16.5	X	98.04807	328.23792	322.19537	3.47579	0.0447566	0.21205220	2.7851005	21	11 24.2	20.4
296269 2009 DZ_{41}	15.5	X	155.98458	167.53718	322.37574	10.83110	0.0410727	0.18844642	3.0130808	21	7 12.9	20.0
296270 2009 DO_{43}	17.4	X	65.42204	113.04385	165.06663	2.40838	0.0797644	0.27556065	2.3387901	21	10 14.5	20.1
296271 2009 DH_{45}	17.0	X	155.88219	306.78377	267.00703	5.82655	0.0652134	0.28500784	2.2868175	21	11 4.7	20.1
296272 2009 DU_{45}	16.7	X	295.78672	252.35986	325.48508	11.04382	0.1849934	0.23540268	2.5977366	21	—	—
296273 2009 DX_{45}	15.6	X	55.88595	249.21328	324.41852	9.70362	0.0605712	0.18366661	3.0651324	21	6 26.1	19.8
296274 2009 DV_{47}	15.8	X	17.87788	149.16075	43.59926	10.10228	0.0329024	0.17473982	3.1686538	21	4 7.6	20.1
296275 2009 DD_{48}	16.4	X	340.58899	307.31878	282.24203	7.36436	0.1849036	0.24528660	2.5274748	21	2 25.4	19.2
296276 2009 DN_{51}	16.9	X	11.45089	24.65124	135.40573	5.30901	0.1319171	0.24025997	2.5626056	21	1 24.5	19.7
296277 2009 DB_{55}	16.8	X	350.74351	58.04407	350.99618	13.92138	0.1352490	0.21539177	2.7562375	21	12 13.7	20.2
296278 2009 DD_{57}	17.5	X	214.16934	173.92743	5.53403	3.65461	0.0075116	0.29043328	2.2582489	21	12 10.7	20.3
296279 2009 DG_{58}	16.4	X	42.86307	269.17658	54.42934	2.78572	0.0664108	0.20329922	2.8644786	21	10 31.6	20.3
296280 2009 DH_{61}	16.6	X	207.00482	198.36474	101.43559	5.55864	0.2043326	0.22920280	2.6443733	21	1 11.4	21.1
296281 2009 DL_{61}	16.6	X	225.54169	195.29780	63.41370	4.78233	0.0436729	0.22783767	2.6549256	21	—	—
296282 2009 DP_{65}	15.6	X	305.64621	140.03234	156.81835	15.81573	0.0701995	0.17744879	3.1363223	21	5 9.1	20.2
296283 2009 DQ_{69}	17.5	X	137.23211	263.96368	338.41515	5.37593	0.1731546	0.28393523	2.2925731	21	11 21.2	21.3
296284 2009 DF_{71}	15.4	X	0.92648	265.89833	341.81864	26.34194	0.1146837	0.17564725	3.1577311	21	5 6.2	19.9
296285 2009 DD_{73}	15.8	X	11.33135	323.36133	328.88965	11.33995	0.0224463	0.19186615	2.9771712	21	8 3.9	19.9
296286 2009 DF_{73}	16.1	X	297.48954	198.80217	164.90158	11.80975	0.1071043	0.18990405	2.9976429	21	7 12.9	20.3
296287 2009 DV_{74}	17.5	X	156.13423	289.49575	355.11327	5.24352	0.2328400	0.29159785	2.2522322	21	—	—
296288 2009 DE_{75}	17.1	X	27.30741	137.51631	26.04212	2.89234	0.0613710	0.24351393	2.5397259	21	3 1.4	20.0
296289 2009 DY_{77}	15.7	X	137.12007	180.96405	347.34102	8.70200	0.0251685	0.18949219	3.0019849	21	8 7.9	20.0
296290 2009 DE_{82}	18.3	X	234.73328	238.83685	28.00026	5.95967	0.0288851	0.31067359	2.1590689	21	—	—
296291 2009 DU_{83}	16.5	X	106.23104	86.33804	113.46640	2.26668	0.1060586	0.18547902	3.0451325	21	8 18.0	20.9
296292 2009 DA_{86}	17.5	X	109.54697	192.87915	229.00139	2.04487	0.1940079	0.24503295	2.5292187	21	3 3.3	20.8
296293 2009 DD_{89}	15.9	X	335.45836	192.88742	127.84114	4.59903	0.1018053	0.18375571	3.0641415	21	7 15.4	19.5
296294 2009 DL_{89}	16.3	X	334.72512	74.93669	91.77416	14.06596	0.1290846	0.22830034	2.6513374	21	—	—
296295 2009 DN_{90}	18.7	X	266.49593	36.01196	186.30731	3.98701	0.0935667	0.31068860	2.1589993	21	—	—
296296 2009 DW_{104}	17.1	X	309.58452	26.26904	157.49567	3.56980	0.0665106	0.22919459	2.6444365	21	—	—
296297 2009 DT_{106}	16.2	X	69.50243	305.85574	326.59764	16.64001	0.1385445	0.20205128	2.8762611	21	10 2.4	20.6
296298 2009 DQ_{107}	16.1	X	137.66980	205.86073	120.92015	12.82823	0.0310446	0.22889256	2.6467623	21	—	—
296299 2009 DF_{113}	15.5	X	330.97640	103.39984	169.91926	17.78836	0.1518739	0.17169573	3.2059966	21	5 4.4	19.7
296300 2009 DA_{120}	16.1	X	121.54051	127.78913	346.53200	4.85421	0.1220844	0.17671802	3.1449627	21	5 19.6	20.8
296301 2009 DU_{121}	17.2	X	26.47721	80.20532	1.54548	11.78185	0.2495544	0.23149434	2.6268935	21	—	—
296302 2009 DN_{123}	16.1	X	222.76000	127.19673	131.73954	13.98753	0.0549723	0.22648753	2.6654662	21	—	—
296303 2009 DH_{125}	17.7	X	46.20545	93.75940	161.69445	1.34559	0.1523879	0.26323243	2.4112549	21	8 24.5	20.1
296304 2009 DH_{126}	16.1	X	145.56321	278.71510	4.83371	11.39190	0.1920102	0.20915614	2.8107506	21	—	—
296305 2009 DP_{126}	16.4	X	343.62268	62.88331	322.80117	1.12705	0.0763926	0.20389080	2.8589351	21	10 26.8	19.8
296306 2009 DS_{127}	15.8	X	325.50402	287.27499	14.52741	9.79644	0.0817562	0.17664950	3.1457759	21	6 4.8	20.1
296307 2009 DU_{127}	16.5	X	108.11991	106.56679	178.45689	11.61909	0.0988127	0.20422488	2.8558164	21	12 4.4	21.0
296308 2009 DV_{128}	16.4	X	315.30157	88.39293	59.46403	11.80323	0.1481102	0.22599526	2.6693355	21	—	—
296309 2009 DX_{128}	18.2	X	175.74745	253.44630	13.16808	1.47263	0.2031493	0.29273941	2.2463733	21	—	—
296310 2009 DC_{131}	16.9	X	51.38022	314.83645	314.09484	4.71986	0.1880735	0.26875088	2.3781329	21	9 25.6	19.7
296311 2009 DS_{131}	15.9	X	156.25032	91.29728	358.13396	9.02740	0.0683902	0.17500305	3.1654756	21	5 20.6	20.8
296312 2009 DW_{133}	16.3	X	137.02132	178.58021	133.29902	2.66959	0.0578793	0.22037217	2.7145523	21	—	—
296313 2009 DJ_{134}	17.7	X	229.43872	180.21877	19.73436	5.19205	0.0934896	0.29444789	2.2376754	21	—	—
296314 2009 DG_{137}	16.9	X	219.73051	123.60176	164.72255	5.57562	0.2160301	0.22761657	2.6566447	21	1 7.7	21.5
296315 2009 DK_{137}	17.2	X	72.95420	74.37563	175.74919	6.53289	0.0724631	0.26925193	2.3751817	21	9 12.7	20.2
296316 2009 DB_{140}	16.9	X	82.60596	112.76435	160.68407	10.22961	0.2193223	0.27690656	2.3312054	21	11 16.8	20.6
296317 2009 DL_{140}	15.8	X	313.00864	10.19140	319.08291	6.85459	0.1799945	0.18498079	3.0505979	21	6 9.8	19.7
296318 2009 EN_{2}	18.5	X	247.05746	138.12033	144.81636	47.36571	0.5245957	0.46117162	1.6591832	21	1 4.4	22.7
296319 2009 EE_{3}	16.4	X	32.30298	213.41437	116.80431	6.66032	0.0528082	0.20388363	2.8590021	21	10 26.9	20.2
296320 2009 EX_{7}	16.2	X	39.42355	301.79659	140.74303	11.88189	0.1531197	0.23412709	2.6071635	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
296321 2009 EM_{11}	16.3	X	57.63594	254.72271	85.81440	9.29799	0.2138003	0.21427569	2.7658000	21	12 31.4	20.5
296322 2009 ER_{14}	16.1	X	311.49929	345.87727	34.44275	2.39334	0.1043415	0.19883041	2.9072398	21	8 28.9	19.6
296323 2009 ES_{14}	16.6	X	216.09112	101.64962	120.84168	3.10385	0.0785625	0.21945004	2.7221514	21	—	—
296324 2009 ES_{15}	16.9	X	329.51636	246.87036	181.03896	7.75281	0.1429797	0.21496991	2.7598423	21	12 3.9	19.9
296325 2009 EG_{16}	17.3	X	343.28044	339.31922	289.28423	2.09126	0.1638299	0.25465476	2.4651018	21	5 3.9	19.7
296326 2009 EX_{16}	16.3	X	3.93692	249.56091	179.51420	14.78520	0.1409729	0.22251460	2.6971000	21	—	—
296327 2009 EN_{17}	16.4	X	228.58215	211.60273	353.31122	15.88691	0.1175124	0.21707798	2.7419458	21	—	—
296328 2009 EU_{19}	17.1	X	306.22088	42.25055	176.36958	3.44356	0.1197829	0.23790416	2.5794950	21	1 9.4	20.6
296329 2009 EW_{19}	16.8	X	261.13730	124.20333	169.20280	12.04813	0.0142324	0.24670441	2.5177819	21	3 2.9	20.1
296330 2009 EF_{20}	15.3	X	123.37637	350.22575	135.03364	11.14880	0.0663261	0.17873402	3.1212692	21	6 1.6	20.0
296331 2009 EO_{21}	18.0	X	230.78544	45.67187	181.96263	5.19944	0.0918605	0.30014211	2.2092834	21	—	—
296332 2009 EC_{22}	17.5	X	219.60223	207.49128	96.26589	3.57061	0.1356803	0.31085753	2.1582170	21	1 13.3	20.6
296333 2009 EZ_{22}	16.8	X	335.65690	22.94493	340.67364	2.51816	0.1047826	0.19616023	2.9335629	21	9 13.2	20.0
296334 2009 EQ_{24}	16.5	X	135.22515	188.77896	136.48621	6.00514	0.0649579	0.21825700	2.7320623	21	—	—
296335 2009 EM_{25}	16.3	X	10.48451	161.49748	199.86541	1.51082	0.0790755	0.20403044	2.8576305	21	11 5.5	19.8
296336 2009 EA_{26}	15.5	X	349.81697	52.99365	192.15981	15.74209	0.0450934	0.17154334	3.2078950	21	5 4.6	19.9
296337 2009 EQ_{28}	15.7	X	66.88915	26.00578	134.94781	19.59844	0.0911730	0.17203429	3.2017890	21	5 14.7	20.4
296338 2009 EL_{29}	17.2	X	24.20241	175.20949	112.72177	3.47885	0.2102457	0.25890256	2.4380643	21	9 14.6	19.4
296339 2009 EC_{31}	17.7	X	199.21656	303.87096	346.31500	3.12019	0.1984842	0.30389029	2.1910797	21	—	—
296340 2009 FO	17.4	X	288.57258	303.68705	142.43443	23.47883	0.1146623	0.36787898	1.9290023	21	12 2.9	19.5
296341 2009 FE_{1}	15.7	X	311.16821	137.94244	174.86972	9.70788	0.0326100	0.17957007	3.1115736	21	6 7.6	20.1
296342 2009 FV_{3}	15.9	X	163.66828	355.02311	106.82139	6.18864	0.1140093	0.17956940	3.1115814	21	6 17.7	20.7
296343 2009 FX_{3}	15.5	X	354.14065	147.51344	166.90756	9.46213	0.1203886	0.18692066	3.0294550	21	8 5.9	19.1
296344 2009 FJ_{4}	17.2	X	140.38564	118.99025	96.48859	3.26039	0.1472190	0.27691509	2.3311576	21	10 23.3	20.7
296345 2009 FR_{4}	17.0	X	42.47556	237.37798	22.86584	6.06702	0.1493744	0.26242480	2.4161995	21	8 27.9	19.6
296346 2009 FO_{7}	16.5	X	231.94048	198.68706	63.71984	4.49103	0.1002434	0.22749590	2.6575840	21	—	—
296347 2009 FA_{9}	16.3	X	217.61007	251.48488	182.77553	9.48627	0.0547665	0.18943686	3.0025694	21	7 10.5	20.9
296348 2009 FE_{9}	17.7	X	208.30375	124.12674	157.38911	3.59220	0.1501109	0.30691834	2.1766444	21	—	—
296349 2009 FN_{9}	16.6	X	332.57668	114.89905	184.85750	2.42293	0.1350133	0.25888637	2.4381659	21	6 5.4	18.9
296350 2009 FJ_{11}	17.1	X	312.29428	117.42244	189.20886	6.33889	0.1363684	0.25807930	2.4432464	21	5 11.9	19.9
296351 2009 FZ_{18}	16.5	X	278.57837	34.70173	193.51848	4.06648	0.1025079	0.22923422	2.6441317	21	—	—
296352 2009 FA_{22}	15.3	X	132.76013	288.75902	186.51278	18.82279	0.1630062	0.17668757	3.1453239	21	6 7.8	20.6
296353 2009 FG_{22}	17.1	X	104.95982	104.19063	169.76021	5.89418	0.1183180	0.27812145	2.3244117	21	11 29.9	20.5
296354 2009 FH_{22}	15.9	X	298.92180	184.01007	30.14932	12.48132	0.1370568	0.22976203	2.6400808	21	—	—
296355 2009 FO_{22}	17.8	X	172.52420	15.81409	193.52536	2.34156	0.1289745	0.28262481	2.2996542	21	11 16.0	21.1
296356 2009 FE_{23}	16.2	X	49.24534	239.48928	45.46914	8.21786	0.3002308	0.18703116	3.0282617	21	10 24.3	20.2
296357 2009 FN_{23}	17.4	X	67.37990	60.03574	194.59019	1.61735	0.2169258	0.26568432	2.3963970	21	10 3.2	20.4
296358 2009 FD_{25}	16.6	X	316.03007	275.41094	43.09053	6.63750	0.1365595	0.25834138	2.4415937	21	6 2.4	19.3
296359 2009 FK_{25}	16.7	X	220.16533	294.35429	31.54593	6.57373	0.0123633	0.24233993	2.5479216	21	2 25.5	20.1
296360 2009 FM_{25}	17.6	X	163.45546	334.40691	222.22579	1.46261	0.1562579	0.27864698	2.3214882	21	10 19.7	21.2
296361 2009 FQ_{25}	15.6	X	116.01426	328.75876	188.57987	15.39331	0.1154669	0.17900222	3.1181507	21	7 5.3	20.5
296362 2009 FU_{25}	15.5	X	200.18014	333.62013	29.65621	12.28466	0.1289952	0.17346739	3.1841302	21	3 29.1	20.6
296363 2009 FH_{26}	16.1	X	293.45399	315.37792	118.69868	3.15263	0.0388739	0.20352528	2.8623570	21	10 20.9	19.9
296364 2009 FE_{27}	17.0	X	304.92924	138.00654	174.81565	3.47230	0.0769041	0.25851246	2.4405164	21	5 18.9	19.8
296365 2009 FZ_{29}	17.3	X	117.03997	194.62847	65.81053	6.88338	0.1083511	0.28370165	2.2938313	21	11 24.7	20.4
296366 2009 FD_{30}	15.9	X	243.71130	225.96496	148.65957	9.69349	0.0634849	0.17853449	3.1235943	21	5 29.0	20.6
296367 2009 FF_{31}	15.9	X	262.70409	279.66610	13.78047	31.95644	0.0872804	0.24091026	2.5579920	21	3 13.2	19.9
296368 2009 FM_{37}	17.4	X	1.35105	33.34259	38.03711	7.56578	0.0909859	0.29759025	2.2218953	21	—	—
296369 2009 FP_{37}	17.1	X	19.29257	229.23758	72.91015	4.43225	0.2157705	0.26492351	2.4009828	21	9 29.8	19.2
296370 2009 FS_{39}	16.9	X	197.27725	86.21555	106.00754	7.32646	0.0360932	0.28690611	2.2767195	21	12 2.3	19.7
296371 2009 FF_{42}	16.1	X	178.89974	139.67343	118.18592	5.73666	0.0453077	0.21438668	2.7648454	21	—	—
296372 2009 FH_{42}	17.0	X	104.21482	282.81716	104.06384	5.50483	0.0530506	0.22763938	2.6564671	21	—	—
296373 2009 FK_{43}	15.1	X	289.20513	119.11209	91.47216	13.80759	0.3243820	0.14784711	3.5421000	21	—	—
296374 2009 FA_{44}	15.9	X	180.40726	285.18976	161.56042	12.16642	0.1142767	0.18231358	3.0802789	21	6 16.3	20.9
296375 2009 FU_{44}	15.6	X	32.40520	276.87094	350.47204	9.91461	0.0750654	0.18451229	3.0557596	21	8 6.3	19.6
296376 2009 FW_{44}	17.3	X	228.59406	234.79232	44.71568	5.43510	0.1416886	0.30526769	2.1844838	21	—	—
296377 2009 FD_{46}	17.9	X	347.99104	317.96449	196.77510	19.79572	0.0711463	0.38920180	1.8578878	21	—	—
296378 2009 FU_{46}	17.6	X	55.04590	94.02955	172.15393	1.37384	0.1633684	0.26672011	2.3901888	21	9 25.2	20.3
296379 2009 FW_{48}	17.0	X	21.19240	327.90793	312.02112	4.92982	0.1445252	0.26783014	2.3835801	21	8 14.9	19.0
296380 2009 FV_{52}	16.9	X	52.32088	184.33156	60.56030	5.63515	0.1940739	0.26475758	2.4019858	21	8 29.7	19.7
296381 2009 FM_{53}	18.1	X	178.38218	134.85543	117.43698	4.92327	0.0065726	0.29458615	2.2369752	21	—	—
296382 2009 FF_{56}	15.6	X	126.52957	171.50098	84.54084	21.04334	0.1184002	0.20182527	2.8784080	21	11 22.2	20.3
296383 2009 FB_{57}	14.7	X	326.18551	206.41549	111.89683	29.63650	0.1117234	0.17495999	3.1659950	21	6 28.6	18.8
296384 2009 FW_{57}	16.7	X	100.35822	170.97989	211.38955	4.32909	0.0580767	0.22262686	2.6961932	21	—	—
296385 2009 FY_{57}	16.4	X	34.64810	125.38167	325.38576	1.51735	0.0489890	0.22460540	2.6803361	21	—	—
296386 2009 FK_{64}	15.2	X	92.91314	215.31371	202.01775	9.45417	0.0744557	0.15022917	3.5045577	21	2 2.2	20.3
296387 2009 FX_{64}	17.5	X	72.76242	52.49214	158.76288	1.90334	0.1062392	0.25925641	2.4358454	21	7 23.7	20.5
296388 2009 FE_{65}	17.4	X	54.66634	112.25026	105.04686	2.45343	0.1258234	0.25696880	2.4502804	21	7 7.8	20.0
296389 2009 FD_{68}	16.6	X	216.78611	173.26877	65.30870	2.55667	0.0096705	0.21808527	2.7334964	21	—	—
296390 2009 FR_{68}	17.2	X	48.85184	214.99984	74.17384	2.58593	0.1810267	0.27089090	2.3655916	21	10 22.8	20.1
296391 2009 FJ_{70}	16.9	X	153.45477	45.45439	130.43911	7.39563	0.0399604	0.26954488	2.3734604	21	9 13.5	20.0
296392 2009 FN_{70}	16.5	X	165.21617	118.91963	184.24422	9.22125	0.1665707	0.21286823	2.7779781	21	—	—
296393 2009 FQ_{70}	15.5	X	15.55238	90.36412	202.10607	11.72104	0.0584929	0.18149852	3.0894938	21	8 6.3	19.7
296394 2009 FE_{71}	16.9	X	10.63313	67.59230	173.84436	7.04891	0.0795152	0.25087495	2.4898003	21	5 23.9	19.7
296395 2009 FF_{71}	17.1	X	66.74368	135.31985	129.82814	3.82879	0.0891666	0.26746951	2.3857222	21	9 29.8	20.1
296396 2009 FW_{71}	17.2	X	137.40190	338.59474	198.57449	12.35250	0.0500917	0.26673334	2.3901098	21	8 19.9	20.7
296397 2009 FS_{72}	16.6	X	289.60138	115.77176	171.59287	6.04263	0.1172874	0.23860298	2.5744560	21	3 19.1	19.9
296398 2009 FU_{72}	16.9	X	81.78315	88.40714	171.27900	4.93253	0.0214308	0.27281679	2.3544456	21	10 1.9	19.8
296399 2009 FJ_{74}	16.2	X	261.01115	74.00845	104.11232	8.31042	0.1139983	0.21219459	2.7838543	21	—	—
296400 2009 FO_{74}	16.3	X	354.59950	216.80959	359.03532	16.15647	0.1691747	0.24274795	2.5450657	21	3 11.8	18.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
296401 2009 FF_{75}	15.3	X	280.89639	141.70382	202.54085	10.03156	0.0766042	0.17199791	3.2022404	21	6 1.9	19.9
296402 2009 GF_{1}	17.3	X	98.28289	209.95360	58.34520	3.95543	0.1184931	0.27106248	2.3645933	21	11 13.7	20.5
296403 2009 GQ_{1}	16.4	X	35.88602	297.00599	225.76159	11.99153	0.0603491	0.23610446	2.5925865	21	3 8.9	19.7
296404 2009 GT_{1}	17.5	X	117.77550	281.27641	42.44346	6.05465	0.1988291	0.29720643	2.2238078	21	—	—
296405 2009 GE_{2}	17.1	X	112.74050	143.64086	79.13186	3.32897	0.1378514	0.26918185	2.3755939	21	10 4.2	20.5
296406 2009 GO_{3}	16.8	X	71.75589	28.43943	141.87397	5.90262	0.0678944	0.25203928	2.4821264	21	5 19.9	19.8
296407 2009 GY_{3}	16.8	X	183.72596	172.10682	229.04918	14.33429	0.0996614	0.23938403	2.5688531	21	4 17.5	20.7
296408 2009 GV_{4}	17.4	X	205.05246	330.29827	228.51428	19.78849	0.0647320	0.36813900	1.9280938	21	12 31.4	19.8
296409 2009 GC_{5}	16.7	X	57.58911	187.06512	125.90304	3.07237	0.0645830	0.19653364	2.9298460	21	11 5.7	20.7
296410 2009 GK_{5}	15.7	X	317.94577	305.52306	264.22001	17.13476	0.1254318	0.23148527	2.6269621	21	1 10.7	19.4
296411 2009 GX_{5}	17.3	X	335.37896	274.00291	84.11227	2.80352	0.1356075	0.26606828	2.3940910	21	9 14.9	19.3
296412 2009 HA_{1}	16.8	X	165.68761	251.87551	38.36265	7.34203	0.0984566	0.29483585	2.2357120	21	—	—
296413 2009 HO_{1}	15.4	X	44.38855	206.51804	62.59205	15.24208	0.1905785	0.18070844	3.0984923	21	9 17.7	19.7
296414 2009 HT_{1}	17.7	X	137.03929	107.86224	144.38460	3.01204	0.0720628	0.28216809	2.3021350	21	12 5.1	20.8
296415 2009 HF_{3}	16.0	X	143.25467	235.36031	26.79856	15.34150	0.1212117	0.20323324	2.8650984	21	12 8.1	20.8
296416 2009 HK_{3}	15.7	X	306.02629	293.94797	89.73556	11.47766	0.1006002	0.18222079	3.0813244	21	8 27.5	19.8
296417 2009 HT_{3}	15.8	X	25.74232	100.14877	165.85377	16.15109	0.2020623	0.17857104	3.1231681	21	8 2.7	19.5
296418 2009 HE_{4}	16.5	X	155.01030	177.96170	108.36171	6.46783	0.0487742	0.21494778	2.7600317	21	—	—
296419 2009 HT_{4}	17.1	X	148.48485	267.82231	42.58777	7.62346	0.1652381	0.29621961	2.2287439	21	—	—
296420 2009 HT_{14}	17.3	X	45.26628	215.56379	144.83051	6.86492	0.1421408	0.28826426	2.2695627	21	—	—
296421 2009 HQ_{18}	17.2	X	132.43332	87.81725	163.06224	5.83187	0.0662511	0.27747639	2.3280128	21	11 28.0	20.4
296422 2009 HY_{18}	17.2	X	0.87111	233.94423	355.70641	3.17020	0.0625802	0.24659586	2.5185207	21	4 18.4	20.0
296423 2009 HO_{22}	17.1	X	209.82171	129.04321	37.87984	7.02715	0.0502554	0.28263806	2.2995823	21	11 9.8	20.0
296424 2009 HM_{31}	17.4	X	93.01079	247.79023	102.48490	6.39521	0.1504014	0.29140929	2.2532037	21	—	—
296425 2009 HZ_{35}	15.9	X	193.00294	125.46339	110.93451	5.10456	0.0444979	0.21205685	2.7850597	21	—	—
296426 2009 HQ_{36}	17.0	X	82.79930	149.43769	111.78936	2.33209	0.1641470	0.26921646	2.3753903	21	10 24.2	20.2
296427 2009 HD_{37}	16.7	X	88.34462	348.89296	251.74904	5.95031	0.0825561	0.26883046	2.3776636	21	9 18.5	19.9
296428 2009 HM_{39}	17.0	X	296.65548	139.28505	111.79581	2.03502	0.1095036	0.23283204	2.6168223	21	2 11.2	20.6
296429 2009 HB_{41}	17.4	X	47.98414	266.68459	54.53159	3.00855	0.2215373	0.27526924	2.3404404	21	12 8.9	20.5
296430 2009 HU_{41}	16.7	X	177.67778	232.60539	84.24932	6.15048	0.1126774	0.22149131	2.7054006	21	1 2.4	20.8
296431 2009 HS_{42}	16.9	X	359.96271	82.26339	65.60144	5.38529	0.1378091	0.23086222	2.6316864	21	—	—
296432 2009 HN_{43}	17.7	X	202.75425	147.15403	85.13745	3.09406	0.1070850	0.29119480	2.2543100	21	—	—
296433 2009 HG_{45}	17.9	X	182.99505	177.97139	57.34950	4.50837	0.1926809	0.28781416	2.2719283	21	12 24.8	21.2
296434 2009 HD_{47}	16.2	X	305.36301	252.09259	150.16603	2.61751	0.1081466	0.19660405	2.9291463	21	9 16.6	19.7
296435 2009 HH_{48}	15.9	X	326.37740	204.95668	113.53595	10.24245	0.0535662	0.17556043	3.1587721	21	7 2.9	20.2
296436 2009 HJ_{48}	15.4	X	228.35881	330.81056	79.88821	15.11058	0.0327018	0.17581908	3.1556734	21	6 26.2	19.9
296437 2009 HY_{48}	17.5	X	231.84178	145.67339	120.95095	5.40684	0.1433751	0.30099356	2.2051150	21	—	—
296438 2009 HZ_{48}	16.1	X	230.23270	130.84873	195.79814	11.40604	0.1440238	0.23058004	2.6338331	21	3 1.5	20.4
296439 2009 HA_{49}	15.0	X	0.15573	247.28836	69.91218	17.17001	0.1054637	0.17865624	3.1221751	21	8 29.6	19.2
296440 2009 HP_{51}	15.3	X	15.93938	254.51104	68.06084	12.30914	0.1399269	0.18560208	3.0437863	21	10 4.1	19.2
296441 2009 HQ_{51}	16.9	X	329.00415	106.28919	160.96161	9.37721	0.1037212	0.24466454	2.5317570	21	4 20.2	19.9
296442 2009 HV_{53}	16.3	X	315.17832	149.02811	52.19674	12.45304	0.0613990	0.22963422	2.6410603	21	1 10.3	20.0
296443 2009 HL_{54}	17.6	X	260.15730	131.16508	118.59875	5.59311	0.1738513	0.30472635	2.1870702	21	—	—
296444 2009 HS_{54}	16.3	X	116.16409	96.21107	142.44126	7.45351	0.1450979	0.18976793	2.9990762	21	10 21.2	21.1
296445 2009 HQ_{57}	17.0	X	79.00025	102.46362	196.78546	6.16947	0.1097158	0.27751992	2.3277693	21	12 3.0	20.2
296446 2009 HF_{58}	17.0	X	309.98725	140.13461	205.40010	6.61728	0.1292963	0.26102507	2.4248297	21	7 4.1	19.8
296447 2009 HG_{58}	16.0	X	220.23439	186.56023	71.42978	9.17324	0.1624671	0.21927926	2.7235646	21	—	—
296448 2009 HE_{59}	15.4	X	30.42400	202.91314	81.22987	16.44188	0.1788020	0.17806465	3.1290866	21	9 13.2	19.6
296449 2009 HM_{59}	15.9	X	312.04550	183.50747	42.35219	14.07005	0.1675494	0.23241746	2.6199332	21	1 24.4	19.8
296450 2009 HL_{64}	17.6	X	68.39102	73.80085	151.69447	2.06215	0.1564927	0.25787545	2.4445338	21	8 15.3	20.4
296451 2009 HS_{64}	16.1	X	29.59772	1.18593	49.16242	5.62311	0.0388532	0.21634269	2.7481551	21	—	—
296452 2009 HY_{64}	17.5	X	140.52156	11.23730	167.87618	6.75245	0.1021098	0.26725325	2.3870090	21	9 1.7	21.0
296453 2009 HD_{65}	16.6	X	14.87947	217.45692	75.02872	17.06149	0.1433122	0.25890164	2.4380700	21	8 31.7	19.5
296454 2009 HJ_{65}	16.0	X	130.11846	121.20280	158.31200	10.86298	0.1125934	0.20160914	2.8804648	21	12 19.0	20.7
296455 2009 HR_{73}	15.0	X	57.04880	161.70063	60.90136	20.15570	0.1589161	0.17876961	3.1208549	21	7 26.6	19.4
296456 2009 HY_{73}	15.8	X	272.16343	137.02787	106.32763	14.58129	0.1036661	0.22689736	2.6622556	21	1 6.7	19.5
296457 2009 HQ_{76}	17.0	X	116.43162	353.23778	260.67782	2.91796	0.1596997	0.27328842	2.3517360	21	11 16.2	20.6
296458 2009 HJ_{79}	17.3	X	58.25213	50.60169	131.73492	1.92239	0.0517682	0.24693260	2.5162306	21	5 13.3	20.3
296459 2009 HN_{79}	17.2	X	238.71741	331.27261	143.24309	6.33249	0.0615126	0.27234301	2.3571753	21	10 7.1	20.1
296460 2009 HQ_{80}	15.8	X	86.74957	69.85435	183.30846	16.09830	0.1398498	0.18879467	3.0093744	21	10 6.3	20.2
296461 2009 HY_{80}	15.9	X	165.56202	283.89455	192.03936	11.98799	0.1177149	0.18201337	3.0836650	21	7 5.4	20.9
296462 Corylachlan	16.5	X	88.09277	325.82069	124.81558	14.13692	0.2384685	0.24163060	2.5529056	21	3 26.7	19.7
296463 2009 HT_{83}	16.0	X	141.62610	79.77861	198.58188	12.31199	0.0643976	0.20417338	2.8562966	21	12 27.2	20.5
296464 2009 HC_{84}	16.9	X	299.67649	136.97916	187.44769	7.23841	0.2117486	0.24569068	2.5247028	21	5 6.9	20.1
296465 2009 HK_{88}	16.3	X	260.60937	173.46920	108.93028	5.82512	0.1889181	0.23009553	2.6375291	21	2 4.8	20.6
296466 2009 HU_{88}	17.3	X	47.97863	350.44460	244.58717	2.05367	0.1419518	0.25635052	2.4542186	21	7 25.2	19.8
296467 2009 HO_{89}	16.9	X	46.63620	153.54599	129.17323	4.84713	0.2162384	0.26189294	2.4194697	21	10 16.6	19.8
296468 2009 HV_{90}	17.4	X	126.03354	251.10000	73.50850	3.32623	0.1809596	0.29129154	2.2538109	21	—	—
296469 2009 HB_{91}	17.7	X	40.09728	111.43769	128.20446	1.90821	0.2034371	0.25629125	2.4545970	21	7 29.0	19.9
296470 2009 HG_{92}	16.7	X	25.11152	144.72884	160.99065	2.84463	0.1682048	0.18005283	3.1060092	21	9 23.2	20.2
296471 2009 HS_{93}	16.3	X	183.32505	120.19986	168.91782	11.15615	0.0926450	0.21390369	2.7690058	21	—	—
296472 2009 HA_{94}	17.1	X	48.93218	183.41104	81.54251	5.07903	0.1828653	0.26063104	2.4272730	21	9 20.0	19.9
296473 2009 HX_{95}	16.9	X	179.20339	93.53901	198.62066	4.31760	0.1390232	0.21726091	2.7404065	21	—	—
296474 2009 HN_{97}	16.4	X	160.34170	15.94856	226.00851	7.76401	0.1467178	0.20110313	2.8852946	21	12 2.5	21.0
296475 2009 HA_{98}	16.3	X	302.78530	110.43501	150.33771	10.25884	0.0580422	0.23813229	2.5778473	21	3 11.1	19.6
296476 2009 HB_{98}	15.8	X	95.60629	197.62952	72.54321	13.54151	0.1139291	0.19125459	2.9835144	21	11 5.5	20.3
296477 2009 HS_{99}	17.2	X	62.28281	283.61931	33.78583	5.65409	0.1703160	0.27428521	2.3460348	21	12 12.9	20.4
296478 2009 HP_{101}	17.4	X	156.21780	226.37492	88.90710	6.48190	0.1225553	0.29513655	2.2341931	21	—	—
296479 2009 HR_{101}	15.2	X	273.01052	274.02154	110.27546	16.84041	0.1045999	0.17473956	3.1686569	21	7 8.1	19.6
296480 2009 HW_{101}	17.3	X	344.88175	181.32815	67.50006	4.70607	0.1091111	0.24352928	2.5396192	21	4 18.3	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
296481 2009 HM_{102}	17.1	X	252.97812	229.53677	202.44411	6.70362	0.0650617	0.26336108	2.4104695	21	8 21.5	20.3
296482 2009 HX_{102}	17.4	X	82.25362	217.22644	60.95626	3.05165	0.1918605	0.26942988	2.3741357	21	11 16.3	20.8
296483 2009 HJ_{103}	16.1	X	244.38532	130.78595	209.00511	13.05554	0.2733264	0.23375630	2.6099198	21	3 22.9	20.8
296484 2009 HW_{103}	15.5	X	287.19002	81.02546	193.79438	14.70698	0.1141234	0.15453167	3.4392023	21	3 9.9	20.5
296485 2009 HP_{104}	17.4	X	330.83504	189.98402	78.62444	1.58655	0.1109357	0.24347103	2.5400242	21	4 21.8	20.3
296486 2009 HT_{105}	17.7	X	205.68517	35.45807	230.44061	3.71919	0.1533817	0.29565170	2.2315971	21	—	—
296487 2009 HX_{105}	17.0	X	6.23312	89.73190	151.30496	5.00591	0.1043002	0.24450121	2.5328844	21	5 15.6	19.8
296488 2009 JX	16.8	X	124.89501	32.21901	229.31111	6.42853	0.0836192	0.27640870	2.3340039	21	12 2.6	19.9
296489 2009 JY	16.2	X	345.36801	115.51554	109.80408	4.99383	0.1903873	0.23875674	2.5733506	21	3 6.3	19.0
296490 2009 JD_{1}	16.9	X	118.73259	158.98910	108.34010	7.20635	0.2033161	0.27480894	2.3430532	21	12 7.6	20.8
296491 2009 JH_{1}	17.7	X	152.56729	142.30609	107.04951	1.71508	0.1763357	0.28171690	2.3045924	21	12 14.6	21.2
296492 2009 JS_{1}	17.4	X	239.80466	272.79032	214.95900	20.60671	0.1289402	0.35978716	1.9578178	21	10 27.3	19.1
296493 2009 JB_{2}	14.9	X	57.75292	45.85876	252.15646	21.80141	0.1985952	0.17455317	3.1709122	21	10 30.4	19.6
296494 2009 JC_{2}	17.5	X	227.46666	4.45124	267.47667	4.55204	0.1808662	0.30064949	2.2067971	21	—	—
296495 2009 JF_{4}	16.6	X	277.54306	34.24858	172.39974	6.35884	0.1434840	0.22183326	2.7026197	21	—	—
296496 2009 JL_{6}	15.6	X	42.70854	103.51560	172.64122	10.13951	0.0854648	0.18009952	3.1054724	21	8 29.8	19.7
296497 2009 JY_{10}	17.6	X	354.61679	215.15146	107.93844	2.53801	0.1968464	0.25785825	2.4446425	21	8 31.7	19.4
296498 2009 JB_{12}	15.7	X	119.31675	58.80867	194.50918	12.69715	0.1029016	0.19193156	2.9764947	21	11 6.7	20.3
296499 2009 JO_{15}	13.5	X	337.42547	116.27522	169.55452	21.72723	0.0648679	0.08427259	5.1524267	21	6 10.5	20.4
296500 2009 JZ_{15}	15.9	X	95.42763	34.79675	186.49342	9.95538	0.0539904	0.18156599	3.0887284	21	8 22.9	20.5
296501 2009 JL_{16}	15.7	X	11.79308	116.68680	190.83752	8.66111	0.0905941	0.17860246	3.1228019	21	8 23.8	19.8
296502 2009 JM_{16}	16.1	X	310.78779	242.34448	101.16559	6.60437	0.1647716	0.17238881	3.1973978	21	6 28.5	20.0
296503 2009 KW	16.5	X	345.73116	256.13793	74.46519	7.69750	0.1689581	0.25927735	2.4357142	21	8 25.2	18.6
296504 2009 KM_{1}	15.8	X	43.93188	46.09226	231.66712	15.35239	0.1867300	0.17818595	3.1276663	21	9 12.2	20.2
296505 2009 KJ_{2}	16.1	X	358.00472	70.02812	156.96422	5.06744	0.1312242	0.24055092	2.5605388	21	4 8.0	18.7
296506 2009 KL_{3}	17.3	X	95.01859	250.49589	74.19989	7.44227	0.1261361	0.28368657	2.2939126	21	—	—
296507 2009 KL_{4}	15.1	X	76.99816	126.52754	190.15928	26.81691	0.1787347	0.17933806	3.1142567	21	12 12.7	20.3
296508 2009 KA_{8}	16.2	X	315.82309	327.86282	252.25174	6.73622	0.1506785	0.23143686	2.6273284	21	1 18.9	19.8
296509 2009 KN_{9}	17.1	X	287.65488	145.83187	160.32961	3.14521	0.1560929	0.23973190	2.5663674	21	4 5.3	20.7
296510 2009 KL_{11}	15.9	X	148.37941	274.84645	215.90895	8.76547	0.0366738	0.17436073	3.1732449	21	7 1.8	20.6
296511 2009 KF_{19}	16.3	X	192.05610	198.30015	88.44625	3.83794	0.0705746	0.21478422	2.7614327	21	—	—
296512 2009 KW_{19}	15.6	X	20.78478	198.52428	105.86359	11.13301	0.0323696	0.18288867	3.0738182	21	9 4.1	19.9
296513 2009 KB_{22}	13.5	X	285.79952	143.78733	189.59547	26.96558	0.0758772	0.08143798	5.2713039	21	5 29.9	20.7
296514 2009 KK_{24}	16.4	X	359.00940	4.03032	194.35528	17.25947	0.1146510	0.23699046	2.5861208	21	2 24.5	19.7
296515 2009 KJ_{28}	16.0	X	28.57008	65.56151	216.18709	13.31401	0.1739362	0.17514998	3.1637050	21	8 22.5	20.1
296516 2009 LJ	15.7	X	42.13698	45.14119	209.96661	27.79818	0.2189701	0.17380195	3.1800427	21	8 13.4	20.3
296517 2009 LC_{1}	15.7	X	358.93875	174.16642	161.05924	10.33532	0.1030755	0.18096543	3.0955581	21	9 12.9	19.5
296518 2009 LK_{5}	16.9	X	64.67465	190.62399	116.27179	11.47957	0.0885075	0.26985479	2.3716429	21	11 24.5	20.2
296519 2009 LG_{6}	17.3	X	207.75578	316.52700	290.12526	5.96109	0.0847126	0.28370620	2.2938068	21	—	—
296520 2009 MO	15.1	X	58.07915	146.40672	174.36659	27.44596	0.2080737	0.17556968	3.1586611	21	12 3.5	20.2
296521 2009 MZ_{8}	17.1	X	42.50888	78.59886	261.11795	1.54388	0.2070990	0.26403434	2.4063702	21	12 22.5	20.0
296522 2009 OB	15.8	X	282.52279	179.01676	117.59328	15.50677	0.2324503	0.22760385	2.6567436	21	3 14.9	20.1
296523 2009 OT	17.1	X	183.57696	178.46935	127.47798	7.58618	0.1515610	0.28888224	2.2663248	21	—	—
296524 2009 OU_{1}	15.3	X	56.25662	66.50003	241.10662	13.95915	0.1690896	0.17813259	3.1282908	21	11 7.5	19.7
296525 Milanovskiy	15.3	X	299.11966	235.22170	203.78066	13.22646	0.0800171	0.16908624	3.2388975	21	10 24.2	19.4
296526 2009 OW_{5}	16.6	X	174.35100	351.07039	318.89176	6.97448	0.1380563	0.28641190	2.2793377	21	—	—
296527 2009 OG_{7}	17.3	X	106.66622	71.02716	228.42000	2.67682	0.2162214	0.27111513	2.3642871	21	—	—
296528 2009 OM_{8}	17.6	X	197.85848	152.38151	124.43385	3.28280	0.1564549	0.28855781	2.2680232	21	—	—
296529 2009 OL_{9}	16.3	X	52.29124	349.78784	262.28474	6.85996	0.0620127	0.24375102	2.5380788	21	8 10.3	19.6
296530 2009 OV_{9}	17.6	X	318.37591	152.69801	216.54967	3.94399	0.2532753	0.24527415	2.5275603	21	8 5.3	19.7
296531 2009 OF_{10}	16.9	X	68.96057	40.46045	307.31676	5.64978	0.1387973	0.26531361	2.3986287	21	—	—
296532 2009 OW_{10}	16.3	X	29.01875	133.96288	180.53908	4.48496	0.1801305	0.17265227	3.1941442	21	10 11.8	20.2
296533 2009 OM_{12}	15.5	X	15.27769	115.32423	248.74215	8.61858	0.1046621	0.17557394	3.1586100	21	11 12.4	19.4
296534 2009 OG_{16}	17.2	X	180.15682	193.61595	179.70570	2.61408	0.1937065	0.21526752	2.7572980	21	3 17.8	21.6
296535 2009 OA_{18}	17.2	X	10.83669	334.57665	306.76826	8.36270	0.2036943	0.24426212	2.5345370	21	7 30.7	19.2
296536 2009 OC_{18}	17.7	X	128.79173	124.53705	165.05422	3.77505	0.2047159	0.27293776	2.3537498	21	—	—
296537 2009 OK_{19}	15.6	X	22.86819	60.46802	319.02259	10.18152	0.0593291	0.18161933	3.0881235	21	12 7.8	19.9
296538 2009 OF_{20}	15.2	X	352.43248	141.71317	251.26247	8.88365	0.0677048	0.17680239	3.1439621	21	11 12.6	19.2
296539 2009 OM_{22}	15.6	X	54.08415	95.42262	295.88780	10.83909	0.0644834	0.19463931	2.9488251	21	—	—
296540 2009 OE_{23}	16.3	X	225.99737	263.21286	75.07366	13.55389	0.0938448	0.22110493	2.7085515	21	3 24.7	20.6
296541 2009 OP_{23}	15.4	X	304.55927	242.09644	153.28580	15.52555	0.0344571	0.16827111	3.2493489	21	9 12.9	19.9
296542 2009 OY_{24}	16.6	X	24.48017	198.85198	133.35018	6.69439	0.1920188	0.25745197	2.4472137	21	11 16.6	19.4
296543 2009 PA_{1}	16.1	X	243.58441	325.67473	348.57335	10.85790	0.3384112	0.22063596	2.7123882	21	2 22.8	21.2
296544 2009 PC_{2}	17.0	X	356.70931	191.03113	179.89809	5.43765	0.2009623	0.25372000	2.4711527	21	11 21.7	19.3
296545 2009 PH_{5}	14.8	X	180.33644	5.11006	336.96318	8.01880	0.1928566	0.12461422	3.9696997	21	2 19.8	21.2
296546 2009 PE_{9}	16.9	X	182.96669	211.85484	157.99198	3.96131	0.1074606	0.21225310	2.7833427	21	3 13.8	21.2
296547 2009 PO_{10}	15.3	X	286.07262	195.40005	302.49754	9.14490	0.0518644	0.18810057	3.0167730	21	12 24.6	19.3
296548 2009 PG_{15}	17.0	X	69.37412	161.06676	162.53842	3.53700	0.1813665	0.26343349	2.4100278	21	12 27.9	20.6
296549 2009 PY_{19}	15.3	X	39.87354	52.61314	285.93869	20.03716	0.2605487	0.17345592	3.1842706	21	12 8.2	19.8
296550 2009 PV_{20}	17.9	X	123.24953	17.08379	339.48997	2.55193	0.1124830	0.27977902	2.3152219	21	—	—
296551 2009 QY_{1}	16.3	X	299.45857	23.90885	263.98558	10.70279	0.1449334	0.22906598	2.6454262	21	3 23.4	20.2
296552 2009 QR_{7}	15.5	X	347.66951	215.66688	219.09706	9.25638	0.0346920	0.18366304	3.0651722	21	12 27.2	19.8
296553 2009 QQ_{11}	17.1	X	115.80851	279.82520	358.21839	1.29959	0.1621872	0.26694929	2.3888206	21	12 14.8	20.7
296554 2009 QK_{15}	15.8	X	278.29296	143.79302	359.61062	4.71475	0.1121037	0.18002344	3.1063473	21	12 10.9	20.0
296555 2009 QZ_{16}	15.2	X	186.83342	166.77375	160.27583	3.28659	0.2104842	0.12390835	3.9847614	21	2 7.9	21.7
296556 2009 QW_{23}	17.2	X	125.30517	206.74825	89.69831	2.06899	0.1645321	0.27054869	2.3675860	21	—	—
296557 2009 QG_{24}	16.9	X	183.32967	167.94564	267.52003	1.59132	0.0754753	0.22590882	2.6700164	21	6 2.6	20.9
296558 2009 QJ_{24}	15.7	X	200.74017	164.48882	169.17769	21.90041	0.2028418	0.21145642	2.7903293	21	2 15.0	20.5
296559 2009 QS_{26}	17.1	X	191.48832	123.75618	198.08702	6.62044	0.1427917	0.29050135	2.2578961	21	1 10.9	20.5
296560 2009 QJ_{28}	17.6	X	53.45191	213.78958	149.91562	1.82703	0.1951740	0.26701341	2.3884382	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
296561 2009 QZ_{30}	15.2	X	30.02598	291.33247	90.91726	10.39344	0.0816380	0.17823137	3.1271349	21	12 23.3	19.2
296562 2009 QJ_{34}	15.3	X	292.59162	266.73219	210.71391	13.15195	0.0793015	0.18199715	3.0838482	21	12 4.1	19.4
296563 2009 QS_{35}	16.7	X	2.22456	295.39517	329.53313	7.34210	0.0771219	0.23429307	2.6059320	21	6 11.9	19.8
296564 2009 QU_{37}	16.5	X	290.44083	90.86737	162.38997	7.78375	0.1684586	0.21626275	2.7488322	21	1 31.7	20.6
296565 2009 QP_{40}	17.6	X	96.21252	137.34968	210.41514	0.52579	0.2029018	0.27258486	2.3557809	21	—	—
296566 2009 QB_{43}	17.2	X	42.54931	17.98859	0.70589	6.25649	0.1737410	0.26580051	2.3956986	21	—	—
296567 2009 QJ_{43}	16.5	X	214.63265	4.01983	342.30794	5.06536	0.0887811	0.21599127	2.7511351	21	3 15.3	20.7
296568 2009 QL_{44}	15.2	X	147.39360	185.00876	75.60877	10.70019	0.0314686	0.17802607	3.1295386	21	12 8.3	19.8
296569 2009 QA_{46}	16.7	X	193.01206	331.53702	343.28090	0.71375	0.1756187	0.20630742	2.8365655	21	1 19.8	21.3
296570 2009 QN_{49}	17.4	X	190.38219	256.93502	125.53054	4.29575	0.2083227	0.21733759	2.7397619	21	4 8.2	22.0
296571 2009 QV_{51}	17.0	X	14.45729	16.35603	8.40159	5.25211	0.1443798	0.25950893	2.4342650	21	—	—
296572 2009 QD_{55}	15.5	X	18.15159	195.20221	176.82801	9.53865	0.0812441	0.17492603	3.1664047	21	11 25.9	19.8
296573 2009 QT_{55}	16.6	X	244.50855	76.16089	188.20541	1.37148	0.0398790	0.20355812	2.8620492	21	1 11.3	20.7
296574 2009 QU_{55}	17.3	X	17.10184	216.83517	169.45724	1.14644	0.1735691	0.17584638	3.1553468	21	12 22.1	21.0
296575 2009 QJ_{58}	17.1	X	226.25580	156.04561	191.58948	2.06166	0.1506182	0.21808250	2.7335195	21	3 26.6	21.6
296576 2009 QC_{59}	16.5	X	30.13545	85.26246	332.57389	1.94465	0.0807307	0.18557045	3.0441322	21	—	—
296577 Arkhangelsk	15.6	X	54.61900	40.26513	317.07035	16.51213	0.1842292	0.17953349	3.1119963	21	—	—
296578 2009 RB_{6}	15.5	X	118.00056	249.24187	30.18921	5.92033	0.1299827	0.18300375	3.0725295	21	12 4.2	20.3
296579 2009 RC_{6}	17.2	X	91.53798	228.74708	85.93193	3.26194	0.2330815	0.26760925	2.3848916	21	—	—
296580 2009 RT_{7}	16.3	X	121.29469	81.21071	218.12373	7.23557	0.2410870	0.18744096	3.0238463	21	—	—
296581 2009 RU_{8}	13.5	X	239.73577	138.12988	3.55353	7.21082	0.0405710	0.08463759	5.1376028	21	10 18.3	20.4
296582 2009 RM_{11}	16.5	X	14.12528	241.47989	186.38735	1.72275	0.1648295	0.18125712	3.0922363	21	—	—
296583 2009 RD_{14}	17.6	X	249.25612	284.21954	99.49919	0.10962	0.1466466	0.22761738	2.6566383	21	6 2.7	21.6
296584 2009 RQ_{16}	15.8	X	323.30091	12.58108	60.01132	2.73024	0.0264658	0.17145574	3.2089876	21	11 21.5	20.3
296585 2009 RZ_{18}	16.5	X	74.03572	33.42572	264.00039	6.02424	0.0914695	0.25379490	2.4706665	21	11 17.2	19.9
296586 2009 RB_{25}	17.7	X	103.26594	110.54078	168.07391	1.55923	0.1641929	0.25762802	2.4460988	21	12 3.2	21.3
296587 2009 RA_{26}	16.0	X	58.76347	209.04377	11.04056	14.30758	0.0113806	0.22790926	2.6543697	21	7 2.4	19.8
296588 2009 RW_{30}	13.2	X	299.19660	93.09526	358.80419	11.79656	0.0947844	0.08420766	5.1550747	21	10 21.6	19.9
296589 2009 RN_{31}	15.0	X	109.88842	107.07132	202.39097	10.31944	0.1332741	0.18079449	3.0975091	21	12 30.8	20.1
296590 2009 RV_{31}	17.4	X	33.63125	5.98943	324.58362	3.07894	0.0584118	0.25095317	2.4892829	21	11 2.0	20.4
296591 2009 RZ_{31}	16.8	X	133.75930	203.37977	268.34076	2.71030	0.2012582	0.21681646	2.7441502	21	6 5.5	21.0
296592 2009 RA_{33}	13.0	X	333.46928	206.59349	217.06089	7.79641	0.1696163	0.08273742	5.2159659	21	11 2.8	18.9
296593 2009 RO_{34}	17.3	X	333.44847	300.31200	18.19671	3.91981	0.2520539	0.23601314	2.5932553	21	6 20.5	19.5
296594 2009 RG_{46}	16.8	X	225.18965	36.51882	278.63389	1.20887	0.0776700	0.20685289	2.8315766	21	2 18.0	21.0
296595 2009 RV_{50}	16.7	X	268.25526	191.27661	194.02625	7.83256	0.2155451	0.23115874	2.6294354	21	6 17.6	20.6
296596 2009 RD_{52}	15.9	X	74.43907	227.71040	191.72087	8.47087	0.0631981	0.19279774	2.9675731	21	1 3.2	20.0
296597 2009 RF_{52}	16.0	X	346.37948	278.70578	173.53710	4.08922	0.1673118	0.17743612	3.1364716	21	—	—
296598 2009 RA_{55}	16.7	X	59.02453	226.74765	146.02337	2.03881	0.1859510	0.17969392	3.1101437	21	—	—
296599 2009 RH_{55}	17.1	X	176.42249	240.21325	169.49010	4.85753	0.0716217	0.21419914	2.7664589	21	4 24.7	21.2
296600 2009 RC_{56}	16.3	X	47.73758	292.96538	90.31451	2.99750	0.1242707	0.17850294	3.1239624	21	—	—
296601 2009 RE_{57}	15.8	X	131.33697	210.51450	116.37926	3.78311	0.1714861	0.18772052	3.0208434	21	—	—
296602 2009 RL_{60}	16.4	X	258.09297	31.86319	319.00977	8.95165	0.0909210	0.22752369	2.6573676	21	5 3.5	20.4
296603 2009 RG_{62}	13.5	X	351.58307	341.72493	47.45234	4.50462	0.0627334	0.08145704	5.2704814	21	10 23.9	20.0
296604 2009 RT_{63}	13.6	X	321.37613	234.89224	182.50030	7.51943	0.0933977	0.08425668	5.1530751	21	10 15.8	20.0
296605 2009 RV_{69}	15.6	X	76.30557	355.69526	8.88605	10.72250	0.0572047	0.18305972	3.0719031	21	—	—
296606 2009 RC_{70}	15.4	X	102.46235	81.83836	230.00541	4.23207	0.0499199	0.17766992	3.1337194	21	12 20.2	20.0
296607 2009 RV_{70}	17.4	X	41.58316	25.76925	6.85796	1.97785	0.1917755	0.26493973	2.4008848	21	—	—
296608 2009 RM_{73}	17.1	X	94.21860	73.63322	9.29214	2.00037	0.1285693	0.20417075	2.8563211	21	3 8.4	20.7
296609 2009 RA_{75}	17.5	X	77.64917	115.31890	352.18055	5.20444	0.0704011	0.29379519	2.2409883	21	2 20.5	19.7
296610 2009 SV_{12}	16.7	X	188.47116	101.61592	353.30152	13.54549	0.1408155	0.22946426	2.6423642	21	7 5.3	21.1
296611 2009 SH_{13}	16.1	X	142.63293	81.62983	353.68619	12.56219	0.1476784	0.21465191	2.7625674	21	4 20.3	20.5
296612 2009 SA_{19}	17.4	X	277.03188	324.22274	325.75926	4.81178	0.1456662	0.30107448	2.2047199	21	2 22.9	20.5
296613 2009 SY_{20}	16.3	X	59.31062	107.09960	239.43200	1.22857	0.0772909	0.17882688	3.1201886	21	12 16.1	20.6
296614 2009 SC_{21}	17.5	X	197.08864	55.88771	271.99697	5.57490	0.1240400	0.29014833	2.2597271	21	1 23.3	20.8
296615 2009 SL_{21}	15.8	X	239.97516	297.04554	280.80738	7.73266	0.0479353	0.18940822	3.0028721	21	—	—
296616 2009 SX_{28}	17.3	X	54.11228	145.51037	189.36486	9.61039	0.2341734	0.25870124	2.4393290	21	12 30.7	21.1
296617 2009 SW_{30}	16.2	X	247.06749	283.16126	25.62917	8.62976	0.0851221	0.21162074	2.7888848	21	3 8.0	20.4
296618 2009 SY_{30}	17.2	X	219.46037	194.23572	171.33194	6.32980	0.0251885	0.21654843	2.7464141	21	4 18.5	21.0
296619 2009 SY_{35}	16.8	X	104.18251	278.66000	310.31809	2.83358	0.1776465	0.24199166	2.5503656	21	10 1.2	20.8
296620 2009 SJ_{40}	17.0	X	233.75092	162.39163	205.50649	4.86474	0.0878035	0.21939296	2.7226235	21	5 2.7	21.0
296621 2009 SQ_{43}	17.1	X	242.00283	269.24544	337.89795	4.76892	0.1640486	0.27887275	2.3202351	21	—	—
296622 2009 SE_{46}	16.4	X	67.88862	97.44328	282.26590	2.91762	0.0521188	0.18257166	3.0773754	21	—	—
296623 2009 SG_{47}	16.1	X	41.98470	40.92784	328.95968	2.79595	0.1693233	0.17487947	3.1669667	21	—	—
296624 2009 SP_{50}	16.6	X	239.37111	271.15606	298.80004	6.74602	0.0536269	0.27348524	2.3506075	21	—	—
296625 2009 SY_{50}	18.0	X	331.90153	257.42948	160.66224	2.87409	0.1758733	0.25410552	2.4686527	21	12 6.9	20.0
296626 2009 SO_{53}	17.1	X	196.21046	313.69254	325.20812	3.56917	0.1398082	0.27985141	2.3148226	21	—	—
296627 2009 SU_{54}	17.1	X	179.07862	39.52387	323.00147	2.70892	0.1149344	0.21012030	2.8021457	21	2 28.8	21.4
296628 2009 SN_{58}	13.6	X	12.01746	57.69022	311.39455	5.05709	0.0340803	0.08252224	5.2250290	21	10 23.2	20.4
296629 2009 SX_{59}	17.6	X	282.45861	14.30257	268.89493	3.61370	0.1367799	0.29896298	2.2150886	21	2 20.0	20.6
296630 2009 SK_{60}	15.6	X	248.96643	294.12945	232.67333	8.33448	0.0417696	0.17540873	3.1605930	21	12 11.1	20.1
296631 2009 SG_{61}	17.5	X	241.42532	320.61536	309.06065	3.86762	0.1238505	0.28527409	2.2853944	21	—	—
296632 2009 SZ_{65}	16.7	X	90.25653	256.94010	145.76189	3.10917	0.1062302	0.19255886	2.9700268	21	1 10.1	20.5
296633 2009 SA_{70}	16.8	X	202.97713	115.42847	230.36701	1.66171	0.1814065	0.21192143	2.7862460	21	3 3.6	21.5
296634 2009 SX_{70}	13.5	X	323.68835	244.29152	179.31756	8.84346	0.0847721	0.08135753	5.2747782	21	10 26.6	20.1
296635 2009 SA_{75}	16.9	X	74.41384	128.04965	142.98520	5.10699	0.1229527	0.24567171	2.5248327	21	10 20.3	20.4
296636 2009 SR_{75}	15.5	X	328.69961	299.57759	179.65425	11.86940	0.0334826	0.18119675	3.0929230	21	—	—
296637 2009 SR_{87}	17.1	X	135.67140	281.82272	171.39754	4.97605	0.1331809	0.21267157	2.7796903	21	5 10.4	21.3
296638 Sergeibelov	15.4	X	257.15524	269.57880	262.61571	10.98305	0.0886398	0.17735743	3.1373993	21	12 21.2	19.8
296639 2009 SA_{102}	16.7	X	155.64121	23.10489	263.45611	5.67508	0.1064053	0.27374806	2.3491027	21	—	—
296640 2009 SA_{107}	15.2	X	185.60285	118.42135	227.04220	6.33879	0.1332009	0.12498923	3.9617554	21	2 23.6	21.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
296641 2009 ST_{109}	16.4	X	258.74741	190.31081	91.90947	3.17699	0.0585625	0.20843983	2.8171864	21	2 16.9	20.4
296642 2009 SE_{115}	15.8	X	282.71102	58.76552	345.54629	8.60470	0.1588484	0.15413131	3.4451553	21	8 8.5	20.5
296643 2009 SF_{115}	16.1	X	68.34854	116.03275	210.09243	8.35811	0.2011399	0.17642167	3.1484835	21	12 17.2	20.9
296644 2009 SE_{118}	16.7	X	128.88752	157.18686	294.15674	3.00299	0.0711588	0.21395429	2.7685692	21	4 20.3	20.6
296645 2009 SG_{119}	17.9	X	171.76913	62.23165	222.28437	3.04346	0.1833022	0.27534003	2.3400393	21	—	—
296646 2009 SY_{119}	16.9	X	235.22672	330.71450	232.95606	3.81593	0.0925846	0.26772023	2.3842325	21	—	—
296647 2009 SR_{120}	16.7	X	162.28865	174.32867	241.70322	2.79682	0.0934252	0.21411291	2.7672017	21	4 16.3	20.7
296648 2009 SG_{122}	13.1	X	295.86151	239.84933	203.60142	15.08331	0.0822450	0.08250561	5.2257313	21	10 12.4	19.9
296649 2009 SH_{124}	15.6	X	46.43821	141.40935	217.93546	11.11743	0.0793827	0.17495883	3.1660090	21	12 15.3	20.1
296650 2009 SC_{129}	16.5	X	85.46406	36.64697	185.35903	7.46304	0.0792955	0.23529203	2.5985510	21	8 18.4	20.0
296651 2009 SH_{130}	16.4	X	181.70829	280.01433	63.02376	2.98531	0.0689841	0.20237285	2.8732134	21	2 8.3	20.6
296652 2009 SC_{133}	16.6	X	310.35038	78.68186	164.02879	5.02758	0.0597747	0.20884751	2.8135190	21	2 28.4	20.3
296653 2009 SN_{135}	16.1	X	306.93357	248.96798	279.69880	1.47300	0.1453636	0.18615759	3.0377280	21	—	—
296654 2009 SW_{135}	14.1	X	281.00586	240.23193	220.05375	8.66756	0.0526902	0.08055343	5.3098226	21	10 16.5	21.0
296655 2009 SS_{136}	17.1	X	163.72526	56.68297	310.52183	1.09950	0.0811671	0.20224862	2.8743899	21	2 17.8	21.3
296656 2009 SD_{139}	15.8	X	27.75748	25.12279	48.23524	4.67496	0.0396019	0.18812910	3.0164681	21	—	—
296657 2009 SY_{141}	17.7	X	16.42270	185.22833	200.68959	2.03650	0.2306262	0.25708007	2.4495733	21	—	—
296658 2009 SS_{143}	17.3	X	153.89782	287.61656	14.06948	3.32523	0.0575896	0.27083562	2.3659135	21	—	—
296659 2009 SZ_{143}	16.6	X	158.88810	193.33984	178.03759	2.02068	0.0809817	0.20298172	2.8674648	21	2 17.3	20.7
296660 2009 ST_{149}	15.1	X	143.64285	329.46973	208.29906	8.72089	0.0594475	0.15574926	3.4212546	21	8 22.9	20.4
296661 2009 SK_{151}	16.5	X	192.98895	165.15541	210.82802	2.09638	0.0954868	0.21414131	2.7669570	21	3 29.9	20.6
296662 2009 SH_{153}	17.1	X	208.20225	37.32297	338.17689	5.03953	0.1162384	0.22025183	2.7155410	21	4 11.6	21.4
296663 2009 SO_{154}	16.3	X	161.82304	242.87751	38.40961	1.21440	0.1455071	0.18743702	3.0238887	21	—	—
296664 2009 SQ_{155}	13.7	X	298.29281	85.94597	11.32484	2.78904	0.2013339	0.08307787	5.2017062	21	10 16.1	20.1
296665 2009 SS_{155}	13.5	X	271.13973	275.26143	189.45846	4.06764	0.0367781	0.08288875	5.2096154	21	10 13.7	20.2
296666 2009 SQ_{156}	13.0	X	320.65858	30.46050	24.70924	11.93701	0.0830820	0.08234620	5.2324731	21	10 12.7	19.6
296667 2009 SM_{159}	13.4	X	129.63948	27.34897	227.91939	11.95609	0.0300560	0.08391927	5.1668783	21	10 29.8	20.4
296668 2009 SY_{159}	16.9	X	268.44811	343.57434	322.83692	2.62154	0.1817594	0.21691041	2.7433578	21	3 13.6	21.2
296669 2009 SG_{163}	16.0	X	161.79608	181.02028	68.97327	2.28016	0.1384319	0.18100123	3.0951500	21	12 10.1	21.1
296670 2009 SW_{163}	16.5	X	236.49733	97.60167	274.89426	4.34397	0.0783567	0.22088543	2.7103456	21	5 10.9	20.5
296671 2009 SP_{170}	13.8	X	338.12550	158.93372	246.85901	3.78836	0.0585883	0.08083668	5.2974118	21	10 24.0	20.4
296672 2009 SU_{173}	12.6	X	309.62941	150.22519	276.83483	16.43922	0.0526001	0.08273622	5.2160161	21	10 7.2	19.6
296673 2009 ST_{183}	16.8	X	255.13290	241.70940	254.36519	5.69316	0.0833788	0.25203271	2.4821696	21	11 18.4	19.9
296674 2009 SH_{188}	13.4	X	14.52462	259.48327	101.85333	6.87089	0.0862006	0.08201446	5.2465735	21	10 25.5	20.0
296675 2009 SS_{189}	16.2	X	206.80347	128.33311	225.82722	6.81611	0.1108784	0.21289273	2.7777650	21	3 15.2	20.7
296676 2009 ST_{191}	15.7	X	26.46756	164.16640	266.38941	2.52739	0.1483279	0.18478941	3.0527038	21	—	—
296677 2009 SA_{208}	17.8	X	64.03162	83.51162	346.99353	2.25277	0.1626680	0.27594756	2.3366034	21	—	—
296678 2009 SQ_{209}	17.4	X	29.16115	344.60304	24.25622	2.94324	0.1809427	0.25892879	2.4378996	21	—	—
296679 2009 SD_{211}	17.0	X	193.16818	232.65960	156.36383	1.18628	0.0811978	0.21503641	2.7592733	21	4 15.9	21.2
296680 2009 SA_{212}	18.7	X	73.24911	145.32314	289.83686	0.25154	0.1546794	0.27852965	2.3221401	21	1 7.7	20.4
296681 2009 SZ_{213}	17.6	X	25.59713	18.09314	49.86254	1.20944	0.1867155	0.26570716	2.3962597	21	—	—
296682 2009 SM_{218}	13.1	X	285.14977	277.39221	181.85369	10.15878	0.0482515	0.08383398	5.1703824	21	10 23.3	19.9
296683 2009 SS_{227}	13.9	X	340.59924	225.55643	192.44473	9.88899	0.0521586	0.08610615	5.0790201	21	11 12.6	20.4
296684 2009 SS_{229}	17.8	X	300.25401	319.59869	329.79526	3.34760	0.1727477	0.30788329	2.1720941	21	3 16.5	20.6
296685 2009 SW_{235}	16.4	X	246.93474	281.73830	51.73486	4.72235	0.1240632	0.21584483	2.7523793	21	4 2.1	20.6
296686 2009 SN_{236}	16.1	X	254.72390	195.80897	112.56974	9.20351	0.1897423	0.21880295	2.7275158	21	3 6.0	20.6
296687 2009 SU_{238}	15.9	X	203.09065	331.87805	49.48264	13.15677	0.1443633	0.21607865	2.7503934	21	4 18.8	20.3
296688 2009 SF_{240}	16.2	X	189.52493	251.98186	114.21833	11.21103	0.1586325	0.21177903	2.7874949	21	3 21.3	20.9
296689 2009 SD_{242}	15.2	X	60.64786	58.42114	273.24036	9.65164	0.0967203	0.17672075	3.1449302	21	12 1.9	19.8
296690 2009 SM_{245}	13.5	X	321.38070	81.61843	321.14705	6.00670	0.1300494	0.08291789	5.2083945	21	9 22.9	20.0
296691 2009 SC_{246}	13.4	X	299.99155	289.18200	140.50866	5.11012	0.0385707	0.08216111	5.2403287	21	10 8.9	20.2
296692 2009 SV_{246}	14.1	X	323.01791	138.71459	294.28124	2.33988	0.0639972	0.08627974	5.0722054	21	11 4.9	20.6
296693 2009 SD_{247}	13.5	X	350.31863	92.72823	298.15142	4.02443	0.0609832	0.08337611	5.1892942	21	10 22.2	20.2
296694 2009 SV_{253}	13.8	X	336.49324	257.32450	158.52938	5.51895	0.1102812	0.08362658	5.1789276	21	11 3.1	20.1
296695 2009 SY_{254}	16.2	X	297.64943	220.53966	139.85073	16.42102	0.2160440	0.23419210	2.6066810	21	6 23.3	19.7
296696 2009 SJ_{265}	15.6	X	92.04241	9.69745	5.54014	5.56458	0.1347243	0.18682865	3.0304496	21	—	—
296697 2009 SD_{269}	17.2	X	32.82541	293.17535	101.23218	3.40015	0.1989272	0.26477497	2.4018807	21	—	—
296698 2009 SF_{275}	16.7	X	332.76092	333.18518	118.78666	2.18466	0.1193474	0.17689951	3.1428112	21	12 28.9	20.5
296699 2009 SY_{276}	15.9	X	9.58137	278.15291	172.76374	8.25406	0.1023585	0.18588587	3.0406875	21	—	—
296700 2009 SG_{277}	16.9	X	267.22411	168.13582	170.12681	5.97755	0.1895893	0.22484726	2.6784136	21	4 21.6	20.9
296701 2009 SS_{278}	15.7	X	13.99990	35.31274	28.47242	11.04715	0.0584442	0.18154114	3.0890102	21	—	—
296702 2009 SD_{282}	16.2	X	216.53785	290.93348	52.86953	5.84068	0.0580696	0.21152504	2.7897259	21	3 18.9	20.3
296703 2009 SZ_{284}	16.9	X	119.66077	63.80758	334.28882	1.24858	0.0738122	0.20266368	2.8704639	21	2 4.8	21.0
296704 2009 SA_{291}	16.6	X	22.74957	93.26568	137.33765	5.22513	0.1196154	0.22214319	2.7001054	21	6 1.5	19.6
296705 2009 SW_{296}	17.0	X	133.97070	238.53006	171.66182	2.71338	0.0174755	0.20732401	2.8272854	21	2 28.2	20.8
296706 2009 SG_{306}	15.8	X	272.96676	21.63942	103.75222	2.25295	0.1106844	0.17157742	3.2074702	21	11 11.5	20.2
296707 2009 SK_{313}	13.8	X	332.80322	260.41550	155.95376	7.43605	0.0519138	0.08343329	5.1869232	21	11 1.8	20.5
296708 2009 SN_{314}	17.3	X	254.23042	123.13169	211.92615	1.66608	0.0879660	0.22081068	2.7109572	21	4 13.0	21.2
296709 2009 SV_{320}	16.8	X	183.71723	17.81836	32.77277	1.41174	0.1658723	0.21824577	2.7321560	21	5 3.9	21.3
296710 2009 SX_{323}	16.0	X	45.26697	262.88766	128.43960	5.88058	0.2093892	0.18361595	3.0656961	21	—	—
296711 2009 SF_{327}	12.8	X	271.39000	143.12277	324.74953	14.68212	0.0520668	0.08118344	5.2823164	21	10 8.4	19.9
296712 2009 SA_{330}	16.4	X	315.94111	358.03589	357.12939	13.62326	0.1878449	0.23720690	2.5845474	21	7 26.5	19.3
296713 2009 SQ_{331}	16.3	X	254.74467	213.64616	199.82814	13.42328	0.2432722	0.22932775	2.6434127	21	7 4.6	20.7
296714 2009 SL_{335}	18.1	X	227.36260	104.17738	179.04364	1.96036	0.0608696	0.28461387	2.2889274	21	—	—
296715 2009 SQ_{337}	16.5	X	243.88599	134.73781	248.54972	8.11900	0.2694166	0.22521890	2.6754663	21	5 16.7	20.9
296716 2009 SP_{342}	16.7	X	17.00577	337.93952	56.36052	10.65120	0.1941535	0.25834120	2.4415949	21	—	—
296717 2009 SX_{344}	16.4	X	150.15938	288.13345	185.91205	12.69880	0.0716969	0.22225348	2.6992120	21	6 15.6	20.6
296718 2009 ST_{346}	15.5	X	323.57128	97.13822	19.65038	16.82729	0.1201315	0.18135416	3.0911330	21	—	—
296719 2009 SH_{349}	17.0	X	2.08341	191.66630	34.35319	3.13840	0.0035608	0.21535242	2.7565733	21	4 22.4	20.7
296720 2009 SX_{349}	13.6	X	356.94678	299.93837	81.72202	2.48508	0.0788045	0.08214168	5.2411547	21	10 22.9	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
296721 2009 SE_{351}	15.4	X	140.30795	240.05187	58.42308	11.02822	0.1139264	0.18368512	3.0649265	21	—	—
296722 2009 SJ_{352}	16.1	X	10.41677	6.86011	221.79573	7.55267	0.0486101	0.21845782	2.7303877	21	5 6.6	19.3
296723 2009 SD_{353}	16.5	X	311.77137	241.24199	249.95476	1.29774	0.1248466	0.17913891	3.1165643	21	—	—
296724 2009 SL_{353}	15.7	X	90.96890	283.58644	58.19638	16.59744	0.1114217	0.17490993	3.1665990	21	—	—
296725 2009 SW_{354}	13.5	X	315.70180	321.95694	113.04827	7.39019	0.0985970	0.08345328	5.1860948	21	10 29.5	20.0
296726 2009 SA_{356}	14.0	X	341.04393	180.28125	233.96506	7.83385	0.0757547	0.08372082	5.1750402	21	11 6.5	20.5
296727 2009 SO_{359}	14.9	X	300.50190	201.13292	257.63284	18.03217	0.1097467	0.17162792	3.2068409	21	11 15.4	19.1
296728 2009 SQ_{360}	16.1	X	130.12873	147.21450	287.92075	3.26751	0.0445236	0.21093566	2.7949200	21	3 28.6	20.0
296729 2009 SF_{361}	15.4	X	351.84318	80.66358	13.46367	15.78141	0.0759752	0.17827889	3.1265792	21	—	—
296730 2009 TD_{3}	16.6	X	175.09766	42.74319	3.91026	7.49814	0.2268728	0.21292107	2.7775185	21	4 21.8	21.4
296731 2009 TK_{10}	15.8	X	253.09919	251.49515	283.84120	9.72576	0.0614721	0.17601807	3.1532946	21	12 23.8	20.1
296732 2009 TP_{11}	16.3	X	233.68523	324.37599	58.97049	7.93917	0.0617184	0.22114246	2.7082451	21	5 24.2	20.2
296733 2009 TT_{14}	16.9	X	254.09289	15.11548	20.08842	3.34485	0.1444643	0.22796426	2.6539427	21	6 23.6	20.8
296734 2009 TH_{16}	17.5	X	138.11381	182.36245	174.57983	2.08177	0.2311532	0.27958852	2.3162734	21	1 12.1	20.6
296735 2009 TT_{17}	15.3	X	101.76935	265.23976	105.30724	11.19505	0.0887521	0.18908801	3.0062613	21	—	—
296736 2009 TH_{20}	15.5	X	33.18402	114.92233	242.85689	11.63659	0.2769233	0.17389063	3.1789614	21	12 23.9	19.7
296737 2009 TS_{20}	17.5	X	79.91440	238.79338	171.65943	4.33505	0.1415005	0.27564216	2.3383290	21	—	—
296738 2009 TO_{25}	12.9	X	323.04284	212.81467	211.94711	24.32023	0.0520894	0.08294407	5.2072987	21	10 28.1	19.5
296739 2009 TY_{26}	17.3	X	316.80533	189.76979	122.99704	4.51492	0.1488533	0.31344574	2.1463200	21	5 22.2	19.3
296740 2009 TD_{31}	16.3	X	105.05954	202.15895	321.56707	7.83956	0.0752949	0.22368027	2.6877215	21	6 27.6	20.0
296741 2009 TO_{34}	16.5	X	220.94246	219.97995	130.49696	4.33760	0.1012403	0.21210623	2.7846275	21	3 29.4	20.7
296742 2009 TR_{35}	15.9	X	34.81292	267.64570	132.37865	2.08193	0.1885919	0.17625816	3.1504304	21	—	—
296743 2009 TQ_{41}	16.2	X	273.25362	250.94008	75.33545	6.99194	0.0387693	0.21837922	2.7310428	21	5 3.5	20.0
296744 2009 TZ_{43}	16.8	X	230.71553	244.72323	188.35834	10.48051	0.1061265	0.22720798	2.6598287	21	7 19.0	20.9
296745 2009 TL_{46}	13.3	X	334.20066	317.60115	93.61358	10.16961	0.0710322	0.08205071	5.2450281	21	10 29.5	20.0
296746 2009 UV	15.5	X	125.62465	102.69707	258.27923	8.80778	0.0467330	0.19130458	2.9829947	21	—	—
296747 2009 UB_{1}	16.0	X	96.72130	118.50326	213.05943	4.07549	0.0605632	0.18000344	3.1065774	21	—	—
296748 2009 UT_{1}	15.7	X	68.93836	46.61518	345.25355	9.25072	0.2552859	0.18278365	3.0749955	21	—	—
296749 2009 UH_{12}	16.8	X	116.10124	211.17954	175.83285	2.00009	0.0819143	0.20009549	2.8949730	21	1 18.9	20.7
296750 2009 UW_{13}	15.2	X	6.49371	236.03135	172.59549	14.65758	0.0501053	0.17799081	3.1299519	21	12 21.1	19.7
296751 2009 UX_{13}	15.2	X	60.98571	221.19405	159.31053	9.23950	0.0918959	0.18433535	3.0577147	21	—	—
296752 2009 UB_{14}	15.3	X	146.22736	142.25709	167.52161	11.16192	0.0937697	0.18868887	3.0104993	21	—	—
296753 Mustafamahmoud	15.3	X	92.20226	69.17624	279.19270	16.22620	0.1483043	0.17657397	3.1466729	21	—	—
296754 2009 UM_{24}	18.0	X	167.67955	145.71206	147.73881	1.68507	0.1883724	0.27290374	2.3539455	21	—	—
296755 2009 UV_{27}	15.1	X	275.23328	115.77169	59.50775	20.27316	0.0646135	0.17709320	3.1405193	21	—	—
296756 2009 UY_{27}	15.5	X	276.37958	110.83628	26.07457	9.92462	0.0770779	0.16962549	3.2320294	21	12 1.6	20.1
296757 2009 US_{29}	13.1	X	237.05840	118.29968	48.46585	17.71306	0.0418292	0.08197071	5.2484401	21	11 12.4	20.0
296758 2009 UM_{33}	18.2	X	181.45261	3.54452	63.36466	1.56176	0.1816084	0.29912505	2.2142885	21	5 19.1	21.5
296759 2009 UD_{34}	16.2	X	171.53591	92.55627	219.60713	2.66040	0.1324650	0.18918074	3.0052788	21	—	—
296760 2009 UP_{35}	15.5	X	66.40583	279.87660	60.59763	7.30104	0.1025234	0.16884432	3.2419905	21	12 18.2	20.2
296761 2009 UP_{41}	17.0	X	78.21295	91.27593	56.17856	1.25322	0.0160164	0.21380767	2.7698348	21	4 21.8	20.7
296762 2009 UH_{45}	15.4	X	186.82265	232.68171	180.37801	2.56848	0.1121238	0.13093783	3.8408377	21	5 14.5	21.4
296763 2009 UB_{51}	12.7	X	333.33363	34.26016	30.34626	13.03927	0.1148596	0.08191461	5.2508364	21	11 4.9	19.1
296764 2009 UH_{68}	16.4	X	246.49655	191.35240	121.21598	5.37634	0.0769141	0.21026143	2.8008917	21	3 11.5	20.5
296765 2009 UR_{69}	15.3	X	108.66005	326.14586	59.11863	11.41221	0.1222873	0.19077367	2.9885264	21	1 17.3	19.5
296766 2009 UP_{76}	17.0	X	37.05217	18.64660	252.06652	1.69932	0.1758876	0.23728398	2.5839877	21	9 1.3	19.9
296767 2009 UR_{79}	17.0	X	179.56500	355.55950	323.12390	2.58072	0.1967099	0.28147756	2.3058986	21	1 2.5	20.5
296768 2009 UM_{80}	16.7	X	164.14623	198.38832	231.54115	3.33672	0.0542906	0.21557159	2.7547046	21	5 3.9	20.7
296769 2009 UQ_{82}	18.4	X	44.78939	25.25766	106.43132	2.56623	0.1732956	0.27844438	2.3226142	21	2 5.5	19.9
296770 2009 UA_{84}	15.3	X	140.96542	256.24744	62.64077	11.55487	0.0620768	0.18127530	3.0920295	21	—	—
296771 2009 UF_{88}	16.0	X	76.63737	254.15018	120.39288	3.33269	0.2145784	0.18285907	3.0741500	21	—	—
296772 2009 UE_{100}	16.1	X	127.97478	198.25635	123.08935	3.73379	0.2783973	0.18576453	3.0420116	21	—	—
296773 2009 UO_{103}	16.6	X	203.19739	130.36165	260.94540	0.84818	0.0792202	0.21239146	2.7821338	21	4 29.2	20.7
296774 2009 UG_{121}	13.4	X	349.27862	9.27107	21.58745	6.54978	0.1399164	0.08287610	5.2101456	21	10 21.7	19.6
296775 2009 UW_{121}	15.8	X	45.68204	232.42344	168.68225	16.72271	0.1498931	0.18047430	3.1011716	21	—	—
296776 2009 UG_{127}	16.3	X	228.41043	99.16680	286.30957	8.24923	0.0828666	0.22336552	2.6902458	21	5 17.5	20.3
296777 2009 UX_{130}	12.9	X	353.65072	138.40684	262.86322	13.62434	0.1224856	0.08298411	5.2056236	21	11 7.3	19.3
296778 2009 UJ_{132}	16.9	X	143.37792	6.20483	332.45702	6.26035	0.1305572	0.27636762	2.3342352	21	—	—
296779 2009 UW_{135}	15.5	X	69.44519	88.70929	309.36127	9.61514	0.1362812	0.18526400	3.0474882	21	—	—
296780 2009 UB_{140}	16.8	X	302.66029	312.92400	254.72180	19.46389	0.0389478	0.35937276	1.9593226	21	—	—
296781 2009 UH_{143}	16.9	X	101.58733	152.47326	221.39519	0.92221	0.0899556	0.18568258	3.0429065	21	—	—
296782 2009 UW_{148}	13.4	X	319.60187	352.46848	63.19799	7.25253	0.1035926	0.08087056	5.2959323	21	10 11.9	20.0
296783 2009 UT_{151}	13.0	X	320.70350	164.62473	275.98960	9.21330	0.0369650	0.08323465	5.1951721	21	11 10.9	19.9
296784 2009 UU_{151}	15.5	X	336.18694	6.59731	244.21682	11.68853	0.0939953	0.21680005	2.7442887	21	4 6.7	19.0
296785 2009 UA_{153}	16.2	X	283.78847	47.42868	234.33541	5.35500	0.1270992	0.20960006	2.8067805	21	3 4.9	20.4
296786 2009 UX_{153}	13.5	X	349.02025	267.47852	132.05261	5.38576	0.1057521	0.08427677	5.1522563	21	11 2.8	19.8
296787 2009 UR_{154}	13.0	X	20.28537	258.05108	87.00529	7.61754	0.0488927	0.08125355	5.2792773	21	10 12.8	19.8
296788 2009 VP_{1}	17.0	X	195.73218	185.78382	61.27400	6.86417	0.0732703	0.26526984	2.3988926	21	—	—
296789 2009 VX_{9}	15.4	X	16.61584	345.50876	103.62190	3.74728	0.0248472	0.18009292	3.1055483	21	—	—
296790 2009 VQ_{18}	16.9	X	294.83884	40.33244	293.65561	2.24464	0.1162705	0.22342096	2.6898007	21	5 28.4	20.3
296791 2009 VV_{18}	16.5	X	216.62329	359.89294	28.75833	6.34451	0.0438392	0.21524259	2.7575109	21	5 11.5	20.4
296792 2009 VF_{24}	16.5	X	17.28940	272.76148	36.60245	5.17750	0.2074703	0.23521355	2.5991289	21	9 29.4	19.0
296793 2009 VL_{25}	12.7	X	98.83978	45.07832	242.68362	17.27019	0.0285253	0.08168227	5.2607884	21	10 31.5	19.8
296794 2009 VS_{29}	16.2	X	21.59627	252.24647	184.38338	5.01584	0.0563554	0.18366038	3.0652017	21	—	—
296795 2009 VY_{34}	16.2	X	314.71177	26.72624	265.34863	3.98851	0.0983165	0.21777868	2.7360612	21	5 2.3	19.7
296796 2009 VK_{35}	15.4	X	272.31621	291.45105	248.52694	12.29065	0.1226263	0.17599573	3.1535614	21	—	—
296797 2009 VA_{38}	18.0	X	272.13209	149.18769	194.80906	1.59596	0.1601783	0.30699091	2.1763014	21	4 30.4	20.7
296798 2009 VX_{38}	17.5	X	281.86933	64.66384	265.22889	3.37977	0.2535244	0.30624363	2.1798403	21	4 8.5	20.6
296799 2009 VT_{41}	17.0	X	240.55928	9.52531	102.95557	3.99493	0.1047062	0.23669464	2.5882751	21	9 26.0	20.5
296800 2009 VQ_{48}	16.5	X	54.39378	273.32897	163.10572	2.01537	0.2166811	0.18530308	3.0470597	21	1 10.6	19.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
296801 2009 VU_{49}	17.1	X	306.12331	147.85864	281.82298	4.19504	0.2190498	0.23761305	2.5816014	21	10 16.3	19.5
296802 2009 VV_{53}	16.4	X	218.89129	330.18204	31.58250	4.30201	0.0667668	0.21228393	2.7830733	21	4 10.3	20.4
296803 2009 VU_{55}	16.9	X	51.04710	23.79634	49.23125	1.26788	0.1521038	0.18859756	3.0114709	21	—	—
296804 2009 VD_{58}	15.6	X	29.31259	286.17400	91.62950	6.24050	0.1490417	0.17032941	3.2231187	21	12 24.3	19.7
296805 2009 VJ_{59}	16.4	X	231.78755	268.58241	141.12591	13.35233	0.3166715	0.22333258	2.6905103	21	6 8.2	21.4
296806 2009 VK_{61}	15.6	X	163.18114	254.78193	52.41109	10.11062	0.1426550	0.18491173	3.0513574	21	—	—
296807 2009 VF_{72}	15.5	X	60.14220	296.25825	85.99553	10.02908	0.0902555	0.17736803	3.1372743	21	—	—
296808 2009 VO_{75}	16.7	X	300.78711	299.35173	88.34447	5.83327	0.1009934	0.23378338	2.6097183	21	8 26.9	19.8
296809 2009 VC_{79}	12.9	X	54.60118	70.16048	266.38644	20.54158	0.0714321	0.08236214	5.2317979	21	11 10.0	19.9
296810 2009 VA_{93}	15.2	X	147.27840	25.01671	68.17412	4.00929	0.1670471	0.12597020	3.9411608	21	5 26.9	21.2
296811 2009 VX_{94}	16.2	X	154.14087	127.75030	154.44326	2.96189	0.0788476	0.17484026	3.1674401	21	—	—
296812 2009 VN_{100}	15.3	X	154.48690	247.57241	74.02475	10.21879	0.0792740	0.18391303	3.0623939	21	—	—
296813 2009 VL_{111}	15.0	X	308.80331	346.60226	70.92175	11.18282	0.1134992	0.15576130	3.4210782	21	10 10.8	19.5
296814 2009 VF_{112}	16.2	X	88.26736	208.21770	177.42334	6.89172	0.1344984	0.18601395	3.0392917	21	—	—
296815 2009 VE_{114}	17.6	X	39.40613	106.76929	342.03534	0.90397	0.1515698	0.26699058	2.3885743	21	—	—
296816 2009 VR_{116}	15.4	X	191.09178	236.14503	93.17324	11.19586	0.0955887	0.19257312	2.9698803	21	2 5.2	20.1
296817 2009 WF_{3}	13.3	X	11.26616	273.63463	86.54071	3.37648	0.0512573	0.08133376	5.2758058	21	10 16.7	20.0
296818 2009 WW_{5}	17.3	X	249.71980	324.56701	106.37242	5.21708	0.0764099	0.23124702	2.6287661	21	8 15.7	20.8
296819 Artesian	16.3	X	348.90643	294.11796	65.89159	8.81344	0.1422723	0.23939468	2.5687769	21	10 13.9	18.9
296820 2009 WT_{7}	16.8	X	267.82332	14.88116	7.40896	1.81643	0.1443909	0.22845017	2.6501781	21	6 22.9	20.5
296821 2009 WX_{10}	15.4	X	230.80776	134.78673	59.47373	5.04693	0.0292302	0.17125530	3.2114910	21	12 22.9	19.9
296822 2009 WP_{24}	15.6	X	52.82371	313.33030	66.83334	7.98329	0.0804270	0.17398970	3.1777546	21	—	—
296823 2009 WB_{25}	16.1	X	2.22849	317.96921	57.78961	11.62362	0.1395775	0.24221209	2.5488181	21	11 25.9	18.7
296824 2009 WK_{28}	17.4	X	304.87585	64.02582	241.32525	4.00412	0.0827143	0.30103899	2.2048932	21	5 1.5	19.8
296825 2009 WG_{36}	15.3	X	113.14672	83.86800	257.12749	9.81406	0.0762244	0.17952394	3.1121066	21	—	—
296826 2009 WH_{36}	16.8	X	186.99917	26.56546	341.04133	2.72982	0.1282699	0.20449139	2.8533346	21	3 15.7	21.4
296827 2009 WM_{37}	16.9	X	328.57790	325.94545	316.47383	2.58834	0.0612081	0.21381418	2.7697786	21	5 15.5	20.5
296828 2009 WC_{40}	16.9	X	139.74384	333.85644	37.33229	2.80636	0.2342136	0.27843202	2.3226829	21	2 3.3	20.2
296829 2009 WJ_{40}	16.8	X	301.98431	335.88283	45.22657	3.98312	0.2177836	0.23276969	2.6172895	21	7 30.2	19.7
296830 2009 WG_{46}	15.4	X	121.26546	317.80176	83.89753	14.68350	0.1196641	0.19535919	2.9415765	21	2 24.1	19.8
296831 2009 WW_{47}	15.2	X	311.40165	225.99965	247.45988	8.00975	0.0562576	0.17448604	3.1717255	21	12 24.4	19.3
296832 2009 WZ_{48}	15.6	X	309.63262	162.92268	337.75117	11.39053	0.0897168	0.17751189	3.1355791	21	—	—
296833 2009 WY_{49}	15.9	X	324.02795	119.18602	318.27776	21.38889	0.0203796	0.23563251	2.5960472	21	12 11.7	19.8
296834 2009 WA_{64}	14.6	X	24.18141	174.12186	313.24335	27.24991	0.1190895	0.17917951	3.1160935	21	1 23.9	18.4
296835 2009 WX_{66}	16.7	X	48.98345	229.65303	149.76350	1.50369	0.1613261	0.17628827	3.1500717	21	—	—
296836 2009 WS_{68}	16.9	X	122.31672	119.07880	126.67300	4.86566	0.0627833	0.24282254	2.5445445	21	11 5.2	20.5
296837 2009 WO_{71}	16.0	X	23.46339	20.36917	94.35133	2.66066	0.0145063	0.18704947	3.0280640	21	1 4.4	20.2
296838 2009 WB_{73}	16.0	X	228.55303	56.65739	223.48255	7.83337	0.0225470	0.19057214	2.9906329	21	1 14.0	20.5
296839 2009 WF_{77}	16.5	X	341.54620	324.24531	26.30455	5.93676	0.1706642	0.23584421	2.5944934	21	9 11.9	18.9
296840 2009 WW_{78}	16.7	X	236.97410	197.00177	133.86925	1.18355	0.0743054	0.20999007	2.8033041	21	3 22.4	20.8
296841 2009 WL_{79}	16.1	X	6.76916	325.91248	134.95306	3.68371	0.0360334	0.17742260	3.1366309	21	—	—
296842 2009 WT_{83}	15.8	X	283.23977	278.32217	274.31551	8.11949	0.1238063	0.18032254	3.1029114	21	—	—
296843 2009 WK_{84}	15.8	X	3.42849	5.57137	264.99959	10.15777	0.1213959	0.22131984	2.7067978	21	6 22.9	18.7
296844 2009 WN_{84}	17.4	X	194.16530	298.03597	6.78770	4.89544	0.1938117	0.27746071	2.3281005	21	—	—
296845 2009 WG_{88}	15.8	X	199.29150	18.20076	235.65268	9.79455	0.0833396	0.17527383	3.1622146	21	—	—
296846 2009 WA_{107}	16.3	X	132.81185	159.26185	247.98816	10.97031	0.0516362	0.19754279	2.9198593	21	2 24.1	20.8
296847 2009 WR_{115}	16.2	X	160.63294	122.90746	172.88999	2.02071	0.0874791	0.17759405	3.1346119	21	—	—
296848 2009 WJ_{169}	17.3	X	207.09520	229.21696	200.32534	3.68768	0.0544355	0.21915473	2.7245962	21	6 23.0	21.3
296849 2009 WF_{172}	15.5	X	263.76659	252.54528	272.60923	7.88222	0.0875049	0.17090701	3.2158526	21	12 20.0	20.0
296850 2009 WP_{176}	15.6	X	337.21820	109.42522	36.00639	9.58091	0.0690294	0.18192246	3.0846922	21	—	—
296851 2009 WJ_{182}	15.2	X	235.74893	332.77348	273.25376	14.97793	0.1515694	0.17927867	3.1149445	21	—	—
296852 2009 WV_{184}	15.4	X	79.98748	54.34506	241.16208	14.95466	0.1765877	0.24576955	2.5241626	21	11 30.6	19.2
296853 2009 WC_{185}	13.8	X	319.03733	58.93568	10.11247	4.70493	0.0963536	0.08275155	5.2153721	21	10 23.6	20.2
296854 2009 WP_{188}	17.3	X	238.83773	264.57209	39.58835	6.99493	0.1299237	0.28810022	2.2704241	21	2 8.2	20.7
296855 2009 WG_{198}	16.6	X	311.88520	166.55198	329.53510	5.84500	0.0878322	0.25870096	2.4393308	21	—	—
296856 2009 WK_{204}	16.3	X	324.88607	159.01404	3.43399	4.20706	0.1137829	0.18265539	3.0764349	21	—	—
296857 2009 WM_{206}	15.9	X	74.99154	286.64968	259.33626	7.87484	0.1058499	0.21349471	2.7725409	21	6 21.4	19.5
296858 2009 WA_{207}	16.6	X	340.49087	326.29974	39.21014	4.07473	0.0756975	0.23809398	2.5781238	21	10 1.6	19.6
296859 2009 WA_{215}	15.3	X	23.23557	215.61139	295.30180	15.35816	0.2334206	0.18053584	3.1004669	21	2 11.7	18.5
296860 2009 WU_{225}	15.4	X	89.69940	318.68084	185.04176	2.82205	0.1603685	0.12347372	3.9941070	21	5 28.9	21.0
296861 2009 WU_{241}	16.5	X	184.87764	240.75861	179.57183	5.18161	0.0607188	0.21203138	2.7852828	21	5 17.4	20.6
296862 2009 WN_{259}	16.7	X	355.13016	216.16242	294.83993	18.39310	0.0950256	0.34845854	2.0000245	21	—	—
296863 2009 WW_{260}	16.6	X	346.75539	226.65031	77.05661	3.81449	0.1168226	0.22228101	2.6989891	21	7 11.2	19.5
296864 2009 WY_{261}	15.6	X	126.28578	254.36464	77.63990	5.84898	0.1311412	0.17767546	3.1336543	21	—	—
296865 2009 WP_{262}	14.8	X	113.99704	283.55450	78.97643	23.68508	0.0289014	0.17962493	3.1109400	21	—	—
296866 2009 XB_{7}	15.6	X	56.25877	287.45381	121.24750	10.35695	0.0804335	0.17829839	3.1263513	21	—	—
296867 2009 XC_{9}	17.0	X	59.42166	138.02786	302.26392	2.70297	0.3059591	0.26931607	2.3748045	21	—	—
296868 2009 XL_{9}	15.8	X	264.68892	199.60424	257.67533	16.37041	0.1200428	0.23596038	2.5936417	21	9 24.6	19.6
296869 2009 XD_{10}	16.5	X	9.59371	297.14474	207.97066	0.82131	0.0304904	0.18899239	3.0072752	21	1 22.4	20.6
296870 2009 XP_{14}	17.5	X	283.49459	156.22104	264.80128	3.82480	0.0667488	0.31469923	2.1406168	21	9 25.9	19.6
296871 2009 YN_{6}	15.3	X	304.70946	61.14502	117.91058	10.50385	0.0374216	0.17914157	3.1165335	21	—	—
296872 2009 YO_{6}	16.4	X	164.78139	249.04383	122.80110	7.18599	0.0800006	0.19795169	2.9158370	21	2 26.9	20.7
296873 2009 YV_{19}	17.4	X	343.53084	3.52094	128.50132	1.94612	0.1376007	0.25713578	2.4492195	21	—	—
296874 2009 YY_{21}	15.6	X	75.73748	278.04728	96.24533	22.70734	0.2385489	0.17460616	3.1702707	21	—	—
296875 2010 AT_{5}	17.8	X	229.91679	131.50081	291.37556	2.73412	0.0929333	0.29948937	2.2124923	21	7 8.4	20.5
296876 2010 AS_{12}	17.1	X	269.59590	100.30768	40.70126	3.87131	0.1717448	0.23942367	2.5685695	21	11 29.9	20.1
296877 2010 AR_{19}	16.9	X	338.51029	7.86767	132.70371	6.23557	0.0841925	0.25682051	2.4512235	21	—	—
296878 2010 AU_{31}	16.6	X	341.08956	65.93713	123.65592	7.34689	0.0636621	0.26453632	2.4033251	21	1 20.2	19.4
296879 2010 AK_{32}	16.8	X	301.41705	70.85838	184.46334	1.26681	0.1531798	0.26835104	2.3804945	21	2 9.5	19.9
296880 2010 AZ_{39}	16.5	X	272.15485	158.72586	292.84426	12.53989	0.2056401	0.23310125	2.6148071	21	9 14.1	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
296881 2010 AM_{40}	15.1	X	273.09689	102.73777	298.16647	30.50866	0.0909753	0.22084130	2.7107067	21	7 29.3	18.8
296882 2010 AU_{40}	16.2	X	136.81629	51.41696	121.80127	9.68088	0.2137134	0.21176485	2.7876193	21	8 26.5	20.9
296883 2010 AD_{52}	15.7	X	355.59127	131.17778	262.44866	7.84523	0.1493600	0.15528851	3.4280186	21	11 18.1	19.8
296884 2010 AH_{54}	15.7	X	133.64912	285.11659	280.38027	7.17739	0.0673606	0.21895117	2.7262847	21	9 19.3	19.9
296885 2010 AU_{55}	16.6	X	151.06058	296.03703	326.84040	10.67182	0.1700723	0.23413278	2.6071213	21	12 23.5	21.0
296886 2010 AF_{79}	16.6	X	349.73986	169.35481	321.43582	6.66301	0.0637611	0.25740008	2.4475426	21	—	—
296887 2010 AB_{88}	13.0	X	82.93121	250.27086	41.51307	28.94298	0.0268067	0.08305469	5.2026741	21	10 24.9	19.9
296888 2010 BM_{1}	16.4	X	315.22177	63.87342	112.76523	7.84132	0.1320964	0.25887579	2.4382323	21	—	—
296889 2010 BC_{4}	16.0	X	94.93152	236.93716	333.44912	8.22192	0.0953706	0.21067813	2.7971972	21	8 18.5	19.9
296890 2010 BA_{5}	15.9	X	180.03186	99.80921	305.45489	10.91450	0.0571612	0.19836918	2.9117444	21	4 17.0	20.4
296891 2010 BS_{9}	16.2	X	344.84192	318.42007	148.53384	7.40426	0.1316959	0.17932504	3.1144075	21	—	—
296892 2010 BF_{25}	15.6	X	107.38767	259.80695	165.66277	18.02873	0.2011737	0.17283842	3.1918503	21	3 18.3	20.2
296893 2010 BV_{36}	15.8	X	11.71642	248.98272	220.33008	10.00429	0.1219557	0.18567949	3.0429403	21	—	—
296894 2010 BP_{39}	15.9	X	24.57417	114.62456	144.03423	13.75890	0.1353492	0.19160961	2.9798280	21	7 15.5	19.5
296895 2010 BS_{46}	16.5	X	310.25836	278.38452	151.51186	6.48795	0.0976088	0.22046043	2.7138278	21	11 7.3	19.7
296896 2010 BN_{105}	15.2	X	132.82553	154.40690	260.54986	23.46502	0.1601661	0.17246441	3.1964633	21	3 15.3	20.6
296897 2010 CH_{3}	17.2	X	89.79567	192.20842	357.70733	2.89905	0.1310057	0.28871473	2.2672013	21	7 22.9	20.0
296898 2010 CJ_{4}	17.0	X	257.61852	113.88306	162.49944	2.74557	0.1778965	0.26123555	2.4235270	21	1 20.9	20.8
296899 2010 CO_{7}	15.4	X	317.23702	82.90639	195.36219	15.64816	0.2019364	0.17519149	3.1632052	21	4 8.1	19.3
296900 2010 CY_{9}	16.4	X	232.59754	175.59472	80.64702	10.02412	0.1284745	0.23887592	2.5724946	21	—	—
296901 2010 CL_{12}	16.7	X	168.65204	150.39618	92.98011	3.15513	0.0667201	0.23516486	2.5994877	21	12 20.2	20.5
296902 2010 CN_{13}	16.0	X	187.80259	293.01941	282.19534	10.71631	0.1632079	0.22022104	2.7157941	21	11 26.1	20.4
296903 2010 CK_{16}	16.4	X	127.42966	152.80636	79.02104	5.41119	0.0143388	0.20874607	2.8144304	21	10 17.2	20.3
296904 2010 CH_{29}	17.3	X	304.63183	152.68024	138.59247	0.96679	0.2124069	0.27252748	2.3561115	21	3 24.9	20.4
296905 Korochantsev	18.2	X	105.10860	216.40206	342.83638	6.13020	0.0978713	0.29396842	2.2401079	21	8 21.3	21.1
296906 2010 CO_{51}	16.6	X	101.04206	158.98572	134.12716	13.97996	0.2016805	0.21192466	2.7862177	21	12 15.8	21.3
296907 Alexander	15.2	X	244.79733	226.88432	120.19850	10.47961	0.0804764	0.17539145	3.1608006	21	4 26.9	20.1
296908 2010 CM_{55}	16.2	X	227.28538	35.68981	114.50384	8.48566	0.2145682	0.22832715	2.6511299	21	10 17.1	20.4
296909 2010 CO_{55}	15.4	X	142.34796	245.27182	278.38777	15.63275	0.1267275	0.21474873	2.7617370	21	8 8.1	19.9
296910 2010 CQ_{68}	17.3	X	291.48425	320.69038	306.49596	3.98114	0.2035241	0.26584962	2.3954036	21	2 7.9	20.7
296911 2010 CT_{75}	17.6	X	22.75571	280.73987	315.51418	2.56220	0.1380870	0.28129644	2.3068882	21	6 6.3	19.4
296912 2010 CX_{75}	17.0	X	352.60971	307.36819	318.02263	4.94906	0.1633834	0.27984786	2.3148422	21	5 14.9	19.0
296913 2010 CY_{77}	16.4	X	309.49509	315.47167	336.56583	2.01750	0.2151927	0.18842139	3.0133477	21	4 10.2	20.4
296914 2010 CO_{81}	15.9	X	92.94318	142.72938	323.08739	3.08256	0.1076956	0.18483219	3.0522327	21	4 2.5	20.1
296915 2010 CX_{84}	17.6	X	114.11655	137.80655	350.82158	5.82370	0.1138927	0.28213545	2.3023125	21	5 22.8	20.6
296916 2010 CW_{92}	17.3	X	322.56860	101.30903	26.28505	2.81390	0.0896754	0.24390662	2.5369992	21	—	—
296917 2010 CD_{95}	16.9	X	342.95344	268.07260	133.33357	2.39056	0.0637109	0.22756994	2.6570076	21	11 20.9	20.2
296918 2010 CJ_{95}	16.4	X	87.01117	126.94744	25.50979	2.80311	0.0253042	0.19109652	2.9851594	21	5 12.5	20.5
296919 2010 CR_{105}	16.0	X	77.49469	336.42138	137.24474	7.79604	0.0820552	0.18462463	3.0545198	21	3 23.2	20.1
296920 2010 CT_{107}	15.5	X	39.23915	331.79356	162.77197	11.81272	0.2592804	0.17769778	3.1333919	21	3 5.9	18.5
296921 2010 CU_{107}	17.3	X	268.48915	307.30646	144.49741	2.58438	0.1907821	0.22379765	2.6867816	21	9 18.9	20.8
296922 2010 CK_{117}	15.4	X	9.66724	174.88440	97.57032	10.65861	0.0783296	0.18777748	3.0202325	21	7 6.2	19.0
296923 2010 CV_{133}	16.1	X	295.79682	154.12195	157.07430	16.59695	0.1452122	0.17673282	3.1447871	21	5 3.6	20.7
296924 2010 CS_{134}	16.0	X	189.11452	343.02852	261.76903	11.10142	0.1448235	0.22499814	2.6772161	21	—	—
296925 2010 CV_{137}	17.6	X	19.80310	69.61497	128.31817	1.89118	0.1267731	0.27353101	2.3503453	21	3 31.0	19.6
296926 2010 CR_{146}	15.7	X	309.63569	265.89837	346.92265	22.28482	0.3546947	0.17149666	3.2084771	21	2 11.8	20.6
296927 2010 CY_{146}	17.4	X	8.71964	78.97189	103.86792	2.86535	0.1487672	0.26473233	2.4021386	21	2 13.9	19.7
296928 Francescopalla	16.0	X	128.65828	279.55312	145.89218	10.78571	0.2329168	0.18828624	3.0147895	21	4 13.0	20.9
296929 2010 CT_{160}	17.0	X	163.91421	153.03387	36.28772	2.42382	0.1305307	0.21754592	2.7380125	21	10 6.4	21.2
296930 2010 CB_{181}	17.4	X	321.81180	331.06045	335.19126	5.91952	0.1406412	0.28441125	2.2900144	21	5 21.2	19.8
296931 2010 CF_{232}	15.1	X	213.49052	141.40434	100.32850	10.47505	0.0440080	0.18006519	3.1058671	21	—	—
296932 2010 CR_{235}	15.5	X	175.54329	1.46648	281.65011	9.54905	0.0220968	0.18106194	3.0944581	21	—	—
296933 2010 DH_{6}	14.9	X	164.98879	66.78691	341.49763	20.73926	0.2448853	0.19183604	2.9774827	21	4 10.1	20.3
296934 2010 DU_{6}	17.1	X	173.31276	353.60503	173.68496	2.56493	0.1408812	0.21553268	2.7550362	21	9 17.4	21.4
296935 2010 DV_{6}	16.4	X	339.91719	141.00026	165.73461	6.34277	0.0462987	0.20150502	2.8814570	21	7 6.8	20.1
296936 2010 DV_{11}	17.0	X	22.05462	69.69552	184.18638	6.60381	0.0766393	0.28356430	2.2945719	21	6 29.1	19.4
296937 2010 DQ_{15}	15.3	X	312.88795	351.39538	284.47933	26.65184	0.1382696	0.17405374	3.1769750	21	3 23.8	20.3
296938 2010 DX_{16}	16.0	X	125.71249	344.03360	154.95847	13.98981	0.2517101	0.19123806	2.9836864	21	7 6.1	21.1
296939 2010 DH_{26}	16.4	X	250.63146	355.02386	272.13001	6.88481	0.1115183	0.24368567	2.5385324	21	1 9.4	20.2
296940 2010 DT_{39}	18.0	X	329.99954	334.60704	255.18380	1.72839	0.1596179	0.26486139	2.4013582	21	2 12.2	20.9
296941 2010 DU_{42}	17.3	X	204.39209	332.48816	263.95722	0.98889	0.1133156	0.23663129	2.5887370	21	—	—
296942 2010 DU_{44}	16.8	X	233.92532	348.04887	178.34893	1.82445	0.1360985	0.22978436	2.6399097	21	11 19.5	20.5
296943 2010 DN_{45}	16.1	X	198.16593	83.55057	335.68454	11.88998	0.1003423	0.19754852	2.9198029	21	5 27.1	20.8
296944 2010 DX_{62}	16.2	X	195.24322	203.59274	75.72146	8.77707	0.1755213	0.23071040	2.6328408	21	—	—
296945 2010 DD_{78}	16.9	X	305.13054	326.35854	281.60212	5.80221	0.0626927	0.26284056	2.4136509	21	2 16.6	20.0
296946 2010 DN_{78}	16.9	X	100.96762	285.69008	307.64343	6.04199	0.1428034	0.29686863	2.2254944	21	10 3.6	20.0
296947 2010 DS_{78}	15.4	X	356.70667	137.51732	128.59155	9.29087	0.0295340	0.19611772	2.9339868	21	6 9.1	19.4
296948 2010 DP_{79}	17.2	X	4.93696	70.64463	168.02111	3.82834	0.1080641	0.27218056	2.3581132	21	5 5.9	19.5
296949 2010 EH_{14}	15.3	X	265.52784	240.53819	129.69858	12.81553	0.0638959	0.18215498	3.0820665	21	6 17.7	19.8
296950 Robertbauer	15.5	X	265.98489	192.19678	166.01787	30.06386	0.1836578	0.17575337	3.1564599	21	5 22.2	20.8
296951 2010 EL_{21}	16.6	X	149.54303	213.31760	0.31797	11.12763	0.1474788	0.21819447	2.7325842	21	10 19.2	21.1
296952 2010 EW_{29}	17.1	X	18.81014	84.17214	93.92804	5.74975	0.1628475	0.26700650	2.3884793	21	2 27.4	19.1
296953 2010 EX_{33}	16.3	X	82.47371	111.05797	25.67105	4.12155	0.2017026	0.18633212	3.0358308	21	5 12.7	20.4
296954 2010 EE_{34}	16.4	X	195.40000	330.56517	181.65217	7.84482	0.2733332	0.21683738	2.7439737	21	9 12.9	21.4
296955 2010 EJ_{34}	16.8	X	208.62990	47.66967	186.82773	14.19383	0.0802876	0.23389100	2.6089177	21	—	—
296956 2010 ES_{34}	15.2	X	326.48268	233.57086	25.75905	16.63216	0.1946747	0.17996046	3.1070720	21	4 1.4	19.1
296957 2010 EJ_{35}	17.5	X	17.45436	79.33046	169.66214	2.96723	0.1228469	0.28213926	2.3022918	21	6 15.8	19.4
296958 2010 ER_{37}	15.5	X	329.08126	82.89682	176.54849	7.82193	0.1156881	0.17879260	3.1205874	21	4 14.8	19.5
296959 2010 ES_{42}	17.4	X	95.87595	69.62418	130.74132	3.43243	0.0514154	0.29037618	2.2585449	21	8 2.5	20.1
296960 2010 EY_{43}	16.2	X	338.25208	106.98795	62.85801	4.18483	0.2188930	0.16792384	3.2538272	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
296961 2010 EU_{44}	15.8	X	80.02041	119.93839	159.69461	20.81539	0.1587708	0.21120181	2.7925714	21	11 9.4	20.3
296962 2010 EF_{66}	16.2	X	199.32387	79.91445	139.46550	11.82018	0.1315672	0.22878698	2.6475765	21	12 18.0	20.3
296963 2010 EA_{67}	16.5	X	0.82564	5.40170	180.66161	6.24285	0.0742091	0.26211903	2.4180783	21	2 11.4	19.3
296964 2010 EN_{70}	16.3	X	146.64400	227.42604	13.84954	13.84682	0.1670247	0.21873698	2.7280641	21	11 17.8	21.0
296965 2010 EF_{74}	16.2	X	182.90940	103.69222	177.49952	12.96707	0.0874748	0.24172653	2.5522301	21	—	—
296966 2010 EG_{74}	16.7	X	284.51006	53.26406	186.05133	14.35583	0.1221825	0.25649667	2.4532863	21	1 5.7	20.6
296967 2010 EK_{74}	16.2	X	345.78208	138.36157	74.67033	4.39498	0.1129475	0.17860797	3.1227376	21	3 12.7	20.1
296968 Ignatianum	16.5	X	137.16747	238.05882	46.47917	5.14733	0.1484800	0.22927377	2.6438276	21	—	—
296969 2010 EU_{75}	16.8	X	189.12515	306.27082	183.35659	12.74573	0.1323122	0.20960748	2.8067142	21	8 13.9	21.5
296970 2010 EA_{77}	17.7	X	8.48945	86.27437	177.72861	4.01253	0.2146355	0.27636206	2.3342665	21	6 24.2	19.2
296971 2010 EN_{77}	16.9	X	60.86651	288.08142	182.12276	22.24737	0.1030224	0.35000721	1.9941204	21	1 6.7	19.1
296972 2010 ER_{78}	16.7	X	263.92682	16.80805	115.19645	3.43928	0.0531742	0.22908165	2.6453056	21	11 26.3	20.1
296973 2010 EU_{82}	17.1	X	80.61216	204.91393	25.47009	4.06583	0.1978116	0.28938468	2.2637008	21	9 17.0	20.0
296974 2010 EY_{85}	15.5	X	57.42445	141.93066	318.99158	17.33729	0.0553421	0.17866363	3.1220890	21	2 4.3	19.7
296975 2010 EN_{87}	16.5	X	78.02780	111.60496	37.14697	1.69022	0.1299208	0.18392625	3.0622471	21	5 12.1	20.6
296976 2010 EY_{98}	16.4	X	271.93156	274.99248	125.47626	3.59750	0.0130887	0.20335448	2.8639596	21	8 11.6	20.3
296977 2010 ED_{99}	16.9	X	248.06028	56.89062	176.72456	15.19424	0.0693753	0.24323051	2.5416984	21	—	—
296978 2010 ER_{99}	16.5	X	22.83268	71.88835	183.08656	11.81761	0.1938112	0.18990406	2.9976428	21	7 11.7	20.0
296979 2010 EV_{101}	16.3	X	53.41471	305.51957	325.65839	5.78831	0.1820537	0.20528766	2.8459514	21	9 23.4	20.0
296980 2010 EC_{104}	15.3	X	42.34215	58.96929	139.41761	18.26418	0.2696036	0.18424284	3.0587381	21	6 15.6	18.9
296981 2010 EN_{104}	15.5	X	59.07049	23.63938	134.05221	10.54890	0.0291372	0.18429788	3.0581292	21	4 18.5	19.8
296982 2010 EP_{104}	17.5	X	354.03766	105.07206	103.99195	5.98051	0.1792284	0.26584483	2.3954323	21	2 21.9	19.8
296983 2010 EQ_{105}	16.7	X	252.62788	154.93091	28.77199	5.17257	0.1795024	0.23403294	2.6078627	21	12 29.7	20.0
296984 2010 ER_{105}	16.8	X	243.62423	35.28696	145.81403	5.19554	0.1780002	0.23140230	2.6275900	21	12 14.3	20.3
296985 2010 ED_{109}	16.2	X	197.20893	18.02507	181.82566	12.68642	0.0405848	0.22233395	2.6985607	21	11 30.2	20.2
296986 2010 EK_{113}	16.6	X	239.78186	290.04312	351.88702	5.46699	0.0669206	0.25059679	2.4916424	21	1 18.9	20.1
296987 Piotrflin	15.1	X	317.95191	70.04560	166.21070	15.91135	0.2036664	0.17145903	3.2089464	21	2 14.6	19.6
296988 2010 EA_{125}	17.3	X	30.64762	72.73350	109.60218	7.20466	0.1141790	0.26956316	2.3733531	21	4 1.7	19.6
296989 2010 EE_{125}	17.1	X	12.00413	221.31737	51.88577	3.32375	0.1524277	0.27959254	2.3162512	21	7 17.6	18.8
296990 2010 EM_{125}	16.4	X	223.91791	191.11429	0.34457	12.65512	0.2165267	0.22884027	2.6471654	21	11 25.6	20.6
296991 2010 EM_{126}	16.0	X	91.51992	187.59378	77.19464	13.26297	0.1235127	0.21390201	2.7690203	21	10 30.7	20.2
296992 2010 EW_{129}	15.9	X	317.53446	33.87595	209.93699	8.88744	0.0312886	0.17511801	3.1640900	21	3 18.1	20.3
296993 2010 ER_{132}	16.9	X	272.39329	178.30964	14.98192	4.42487	0.0891004	0.24071435	2.5593797	21	—	—
296994 2010 EA_{133}	16.8	X	253.43122	79.51977	209.40134	5.80367	0.0692481	0.25712659	2.4492778	21	2 7.3	20.3
296995 2010 EG_{137}	17.4	X	145.03693	110.45539	123.83120	2.22171	0.1391477	0.30508185	2.1853708	21	11 23.3	20.4
296996 2010 ES_{139}	18.0	X	101.84074	162.85552	56.12092	1.43790	0.1238367	0.29201884	2.2500671	21	9 16.7	20.9
296997 2010 FC_{17}	16.4	X	218.19680	230.11714	196.16093	11.67644	0.0635245	0.19766172	2.9186880	21	6 30.4	20.9
296998 2010 FM_{19}	16.2	X	358.25699	35.69904	133.92756	5.77270	0.0996550	0.17164865	3.2065828	21	2 5.2	20.0
296999 2010 FN_{28}	16.8	X	287.31537	80.81755	182.24772	4.32482	0.1254911	0.25962869	2.4335163	21	2 7.4	20.1
297000 2010 FV_{28}	17.1	X	338.18817	128.43249	107.77368	2.94971	0.1726937	0.26479288	2.4017724	21	3 6.0	19.7
297001 2010 FW_{28}	17.4	X	112.52103	340.71529	170.79359	5.64920	0.0968036	0.28226755	2.3015942	21	6 21.9	20.4
297002 2010 FB_{30}	16.8	X	123.87938	146.86926	187.27936	13.26018	0.0331194	0.23683892	2.5872238	21	—	—
297003 2010 FR_{30}	15.9	X	194.40327	354.44254	24.53842	10.18742	0.0432007	0.17711920	3.1402119	21	4 8.5	20.4
297004 2010 FP_{31}	16.6	X	8.08064	357.52058	177.17008	4.79821	0.2084296	0.17807922	3.1289158	21	2 17.3	19.8
297005 Ellirichter	18.0	X	73.99445	47.18950	161.49335	2.32892	0.1668021	0.28353457	2.2947324	21	8 1.7	20.7
297006 2010 FN_{54}	16.6	X	293.38828	213.28252	146.09773	2.75000	0.0653641	0.19703539	2.9248700	21	7 8.5	20.4
297007 2010 FF_{56}	17.8	X	41.31658	53.04080	163.28900	2.07097	0.1599254	0.27530056	2.3402629	21	6 16.7	19.7
297008 2010 FZ_{82}	17.5	X	27.00938	133.77662	129.37284	3.81040	0.2155329	0.28114320	2.3077265	21	8 13.1	19.3
297009 2010 FL_{84}	15.6	X	228.55223	85.02096	193.67788	19.38565	0.2043595	0.15583645	3.4199783	21	1 10.9	21.7
297010 2010 FL_{87}	16.8	X	218.15244	164.07032	96.47157	3.66081	0.0587501	0.24281696	2.5445835	21	—	—
297011 2010 FU_{88}	16.1	X	218.67396	306.27347	207.48562	12.66594	0.1105150	0.21865162	2.7287741	21	10 18.4	20.1
297012 2010 FY_{88}	16.7	X	329.88853	260.43733	355.28631	6.50485	0.0761374	0.26879544	2.3778700	21	4 1.5	19.4
297013 2010 FL_{90}	16.4	X	246.18383	289.81916	195.13881	11.03123	0.1148937	0.21856978	2.7294552	21	10 13.9	20.0
297014 2010 FV_{90}	16.5	X	220.67982	37.89269	176.31701	8.85979	0.1395107	0.22937004	2.6430878	21	—	—
297015 2010 FU_{91}	16.1	X	313.77041	92.13976	179.72413	8.14583	0.1206908	0.17450865	3.1714515	21	4 8.0	20.2
297016 2010 FT_{92}	16.6	X	215.17650	278.57892	290.89857	5.38553	0.1568240	0.22922840	2.6441765	21	12 18.9	20.5
297017 2010 GY_{5}	17.1	X	86.04675	317.12967	234.87987	6.19965	0.0586712	0.28619016	2.2805149	21	7 6.8	19.8
297018 2010 GM_{11}	17.3	X	44.44102	22.87815	285.20491	1.19954	0.1891177	0.28277445	2.2988428	21	11 13.6	19.9
297019 2010 GN_{23}	13.0	X	334.97799	172.94478	107.01207	32.59737	0.0481978	0.08418065	5.1561776	21	6 7.3	19.9
297020 2010 GM_{26}	17.2	X	296.63725	211.02419	65.33239	2.27396	0.1701200	0.25806762	2.4433202	21	3 4.2	20.5
297021 2010 GK_{29}	16.7	X	73.56697	314.88483	107.68839	4.62880	0.0346939	0.24619663	2.5212427	21	—	—
297022 2010 GM_{31}	16.9	X	282.68962	22.92045	136.29666	5.71519	0.0927790	0.23340321	2.6125514	21	—	—
297023 2010 GY_{31}	17.5	X	19.07277	175.30809	104.93288	4.29478	0.1923314	0.27895267	2.3197920	21	8 21.1	19.3
297024 2010 GB_{32}	16.3	X	144.04794	28.29775	214.01478	9.16012	0.1481837	0.21724093	2.7405745	21	11 20.9	20.8
297025 2010 GA_{33}	14.9	X	90.02001	282.65098	82.04426	18.90939	0.1244130	0.14746670	3.5481890	21	—	—
297026 Corton	17.4	X	259.62982	112.33972	175.02063	4.04177	0.1241811	0.25457714	2.4656028	21	2 9.5	21.0
297027 2010 GG_{66}	15.9	X	202.22446	167.69041	63.93947	8.84651	0.1914214	0.22768993	2.6560740	21	12 28.6	20.1
297028 2010 GH_{66}	15.7	X	352.79819	28.97961	211.54990	17.30947	0.1443254	0.18131004	3.0916345	21	4 23.7	19.3
297029 2010 GW_{96}	16.6	X	176.32372	164.01627	149.11783	15.00070	0.1242973	0.23872869	2.5735522	21	—	—
297030 2010 GB_{106}	16.7	X	327.35624	229.78652	69.26919	7.12966	0.1161702	0.27249521	2.3562976	21	5 27.1	18.8
297031 2010 GE_{106}	16.2	X	102.53386	192.55896	86.94969	6.39645	0.0249816	0.21505189	2.7591409	21	11 16.6	20.0
297032 2010 GJ_{106}	16.4	X	249.61511	252.25532	59.21386	5.23966	0.0583482	0.25997333	2.4313651	21	3 9.4	19.7
297033 2010 GG_{109}	15.9	X	8.92265	29.39984	216.25370	8.49509	0.0793643	0.18379086	3.0637508	21	5 30.3	19.7
297034 2010 GX_{113}	17.3	X	15.75317	1.71963	236.23769	1.53925	0.1711552	0.27201202	2.3590871	21	5 26.5	18.7
297035 2010 GV_{114}	16.6	X	18.30713	25.56021	222.23951	8.67310	0.1076887	0.18683190	3.0304145	21	6 17.7	20.3
297036 2010 GH_{124}	17.1	X	285.47287	29.52854	168.22533	6.20536	0.1578162	0.24248612	2.5468975	21	—	—
297037 2010 GU_{139}	17.5	X	312.51379	70.98811	159.46254	2.89447	0.1237959	0.25582392	2.4575854	21	1 28.1	20.6
297038 2010 GP_{143}	16.5	X	115.82932	124.24399	204.66176	2.07741	0.0568088	0.23121906	2.6289780	21	—	—
297039 2010 GS_{146}	15.5	X	121.84183	172.02126	327.17282	9.93598	0.1127182	0.19271106	2.9684628	21	6 20.5	20.1
297040 2010 GN_{158}	16.3	X	140.36285	146.73722	159.57375	13.54767	0.0561127	0.22915415	2.6447476	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
297041 2010 GZ_{158}	17.3	X	3.14231	232.21821	10.16884	2.27858	0.1514129	0.26959257	2.3731805	21	5 3.9	19.3
297042 2010 GX_{159}	16.9	X	210.03197	271.39771	334.27884	7.46409	0.1082844	0.23407891	2.6075212	21	—	—
297043 2010 GU_{160}	15.6	X	12.07506	54.59838	159.65219	15.27693	0.1357406	0.17564859	3.1577151	21	4 28.2	19.5
297044 2010 HH_{13}	16.6	X	342.59070	14.03993	258.59038	9.30756	0.2068528	0.26049479	2.4281193	21	4 30.2	18.8
297045 2010 HB_{20}	15.9	X	73.17884	231.14806	70.11850	14.58092	0.2153314	0.20980806	2.8049252	21	11 29.9	20.2
297046 2010 HA_{21}	15.4	X	264.17210	149.47156	182.80743	20.56798	0.2668553	0.17293970	3.1906040	21	4 7.5	20.6
297047 2010 HT_{21}	13.5	X	349.90872	65.09533	208.10922	27.92046	0.0535919	0.08162845	5.2631008	21	6 9.0	20.5
297048 2010 HD_{24}	13.2	X	305.78405	99.62481	229.36786	14.76349	0.0603162	0.08152958	5.2673547	21	6 18.0	20.1
297049 2010 HS_{48}	12.9	X	56.87273	272.39935	290.95856	4.16915	0.0408589	0.08092814	5.2934199	21	6 13.5	19.8
297050 2010 HY_{50}	17.3	X	66.30922	125.65089	152.95613	6.24286	0.1716206	0.28139633	2.3063423	21	11 1.1	20.4
297051 2010 HA_{54}	17.1	X	285.22441	225.22784	162.07830	5.96835	0.2407335	0.26526298	2.3989339	21	7 7.1	20.0
297052 2010 HB_{81}	12.7	X	323.57896	231.23998	84.04798	19.95261	0.0639382	0.08220790	5.2383401	21	6 24.4	19.4
297053 2010 HG_{99}	15.9	X	58.00637	136.87748	165.28499	12.05912	0.1183893	0.19343770	2.9610243	21	11 2.1	20.1
297054 2010 HP_{104}	16.2	X	167.69133	78.26658	149.73301	10.62269	0.0610209	0.22004360	2.7172539	21	11 30.2	20.4
297055 2010 HP_{107}	17.3	X	165.25386	123.97254	143.37402	2.68181	0.1699624	0.22423590	2.6832797	21	—	—
297056 2010 HA_{109}	14.2	X	315.17814	120.39755	200.26787	16.88415	0.1313883	0.08123614	5.2800316	21	6 12.7	21.0
297057 2010 HU_{111}	12.4	X	339.83274	342.59676	303.25260	26.13929	0.1450103	0.08331099	5.1919979	21	6 7.9	18.9
297058 2010 JO	15.2	X	343.26729	135.00994	78.46348	11.51824	0.0643861	0.16900753	3.2399030	21	3 19.9	19.7
297059 2010 JV	12.7	X	330.61340	353.21894	308.57205	21.61180	0.0646034	0.08104969	5.2881260	21	6 20.6	19.6
297060 2010 JF_{1}	17.3	X	65.57197	61.63024	195.09157	14.10890	0.2716290	0.19683224	2.9268821	21	10 3.8	21.4
297061 2010 JX_{1}	16.0	X	13.46430	33.32522	228.33130	6.41862	0.1545301	0.18661782	3.0327316	21	6 30.4	19.4
297062 2010 JC_{29}	15.4	X	285.44026	189.66626	141.04673	12.09717	0.0299155	0.18121770	3.0926847	21	5 29.9	19.9
297063 2010 JD_{34}	16.4	X	191.55191	86.50985	144.86448	13.61195	0.1318817	0.22608365	2.6686397	21	12 23.8	20.6
297064 2010 JX_{34}	15.9	X	261.52937	218.03251	359.58229	4.87217	0.2112569	0.23860559	2.5744372	21	—	—
297065 2010 JA_{36}	16.0	X	18.76040	107.48920	197.19493	12.64339	0.1134907	0.20255461	2.8714943	21	9 3.7	19.5
297066 2010 JB_{36}	17.1	X	75.75612	139.22172	226.10954	2.27183	0.0870593	0.22941388	2.6427510	21	—	—
297067 2010 JK_{36}	17.3	X	114.34030	124.51368	173.15592	1.85931	0.0552968	0.22107191	2.7088212	21	12 24.8	21.1
297068 2010 JR_{39}	15.2	X	319.83555	41.07102	266.55172	15.18224	0.0345454	0.18608791	3.0384863	21	6 11.3	19.3
297069 2010 JC_{72}	17.4	X	13.45846	193.27167	102.21067	7.41013	0.2006800	0.28031598	2.3122643	21	9 7.1	19.2
297070 2010 JE_{73}	16.4	X	69.03736	82.38225	220.25324	3.08281	0.0816222	0.20948594	2.8077997	21	11 10.3	20.4
297071 2010 JQ_{75}	16.7	X	17.76768	280.58379	176.07701	8.44877	0.0608256	0.23542892	2.5975436	21	—	—
297072 2010 JO_{86}	15.8	X	44.29197	145.49384	140.68295	13.69445	0.1885920	0.18619708	3.0372985	21	10 5.4	19.9
297073 2010 JK_{116}	15.2	X	318.01352	37.32287	251.87458	10.18942	0.0777635	0.17909576	3.1170650	21	5 9.6	19.4
297074 2010 JS_{129}	15.5	X	339.12906	213.57896	104.35500	14.16821	0.1235402	0.17485129	3.1673069	21	7 16.4	19.2
297075 2010 JD_{147}	15.6	X	22.04908	97.68390	142.06211	11.75544	0.1788671	0.18520725	3.0481106	21	6 19.5	19.1
297076 2010 JE_{152}	17.3	X	17.78044	280.53591	317.72322	0.64605	0.1436733	0.27342567	2.3509489	21	5 30.6	19.1
297077 2010 JQ_{152}	16.5	X	331.94012	113.85045	185.14301	0.58484	0.1600406	0.18357968	3.0660999	21	6 3.8	20.2
297078 2010 JJ_{173}	16.2	X	357.69223	306.15302	57.06811	10.03603	0.1471748	0.20650274	2.8347766	21	10 27.2	19.3
297079 2010 JH_{176}	15.1	X	350.76433	35.91051	208.19525	10.65808	0.0785355	0.17935547	3.1140552	21	4 30.5	19.0
297080 2010 KV_{3}	16.3	X	278.64313	357.72739	261.94591	11.80034	0.2372145	0.23998717	2.5645472	21	1 16.4	20.5
297081 2010 KE_{10}	15.2	X	243.18441	208.97627	123.67784	17.10306	0.0254529	0.17146264	3.2089014	21	4 16.1	20.1
297082 Bygott	15.4	X	2.90651	225.63981	116.62259	12.54370	0.1470623	0.18436656	3.0573696	21	10 7.8	19.2
297083 2010 KA_{26}	16.5	X	192.83460	353.99064	311.91389	6.14035	0.1770894	0.22530376	2.6747945	21	1 7.1	20.8
297084 2010 KL_{36}	16.2	X	283.52752	323.24925	209.62848	12.48439	0.2150901	0.23483385	2.6019298	21	—	—
297085 2010 KO_{51}	15.3	X	357.22217	309.87291	337.85824	19.65113	0.2342555	0.17409600	3.1764609	21	7 11.2	18.8
297086 2010 KY_{55}	15.3	X	323.42257	313.86931	270.20763	8.80456	0.0792340	0.17811155	3.1285373	21	2 20.7	19.7
297087 2010 KG_{63}	15.6	X	337.21271	190.98960	148.36166	16.60792	0.2100052	0.17631098	3.1498012	21	8 4.1	18.9
297088 2010 KM_{70}	15.5	X	306.77306	154.13054	197.00181	14.12457	0.1620023	0.17125153	3.2115381	21	7 1.2	19.9
297089 2010 KJ_{117}	16.3	X	315.26972	315.12323	209.39327	6.97964	0.1035286	0.23837340	2.5761087	21	—	—
297090 2010 KK_{123}	18.1	X	132.18393	89.77256	213.11166	3.29440	0.2011268	0.29855958	2.2170835	21	—	—
297091 2010 LS_{111}	16.1	X	148.42626	157.85909	136.36269	9.89737	0.1489443	0.21167726	2.7883882	21	—	—
297092 2010 LB_{122}	15.7	X	350.66455	11.98842	328.00816	10.90085	0.1553868	0.17719459	3.1393211	21	9 3.1	19.1
297093 2010 MD	15.8	X	114.58119	148.09165	274.19274	16.50705	0.0848040	0.23655527	2.5892916	21	2 16.1	19.5
297094 2010 MH_{31}	15.9	X	142.10410	256.99299	119.49084	13.51610	0.2148225	0.22087295	2.7104477	21	2 19.5	20.2
297095 2010 MB_{37}	16.6	X	45.60613	13.31866	16.60423	4.15822	0.1818669	0.19915329	2.9040966	21	—	—
297096 2010 MC_{41}	18.0	X	98.93239	127.36739	198.33089	0.55598	0.1922275	0.29222464	2.2490105	21	—	—
297097 2010 ML_{43}	17.3	X	203.53736	99.99840	213.04256	4.65461	0.2461477	0.22619905	2.6677320	21	1 23.8	22.1
297098 2010 MA_{45}	17.6	X	108.45271	157.74418	206.98363	8.43924	0.1501331	0.30139255	2.2031685	21	—	—
297099 2010 MD_{112}	17.2	X	87.34855	359.09168	285.92534	4.10083	0.1530205	0.28907585	2.2653128	21	11 28.6	20.5
297100 2010 NR_{3}	17.3	X	326.42956	305.38858	339.58914	1.72992	0.2017161	0.25788125	2.4444971	21	4 20.3	19.8
297101 2010 NH_{58}	17.1	X	102.58015	129.56409	156.35053	2.79952	0.1711194	0.28326915	2.2961655	21	12 15.6	20.6
297102 2010 OA_{29}	16.7	X	156.37906	226.49923	186.33148	1.80086	0.2124511	0.22794229	2.6541132	21	4 14.4	21.1
297103 2010 OO_{53}	16.0	X	205.20462	229.97163	140.00498	12.92613	0.2720816	0.23306043	2.6151124	21	4 5.9	20.9
297104 2010 OX_{60}	15.9	X	288.82625	59.74373	219.10638	8.23611	0.1273378	0.17090241	3.2159102	21	3 12.1	20.6
297105 2010 OH_{91}	16.0	X	324.95182	86.91375	210.21189	15.01861	0.1168774	0.18327293	3.0695203	21	5 26.8	20.0
297106 2010 OH_{93}	15.9	X	280.98408	345.33677	332.72821	12.16529	0.1943591	0.24191896	2.5508765	21	4 1.5	19.8
297107 2010 OY_{94}	16.2	X	305.53268	291.17732	24.12930	8.84577	0.0662550	0.18411522	3.0601515	21	5 26.5	20.4
297108 2010 OM_{96}	16.3	X	333.08829	226.64730	169.64169	15.28697	0.2172888	0.17678137	3.1442113	21	10 19.2	19.6
297109 2010 OT_{99}	16.2	X	341.57528	224.22725	183.68423	5.09532	0.1497451	0.18191025	3.0848302	21	11 20.4	19.7
297110 2010 PM_{48}	16.0	X	23.37249	286.80583	63.76959	9.70449	0.1485934	0.18072507	3.0983022	21	11 15.4	19.8
297111 2010 PY_{65}	12.4	X	287.36539	157.04848	283.12312	21.78768	0.0593491	0.08310220	5.2006907	21	9 20.3	19.5
297112 2010 PS_{74}	17.5	X	127.75135	312.16000	327.16229	3.94737	0.1647143	0.29383981	2.2407615	21	12 31.8	21.1
297113 2010 PP_{76}	17.4	X	312.13289	344.21910	332.37785	2.93335	0.1811721	0.25634011	2.4542851	21	5 16.3	20.0
297114 2010 RU_{43}	17.6	X	53.17298	255.05441	43.23491	3.09193	0.2417894	0.27682729	2.3316505	21	11 17.9	20.7
297115 2010 RX_{47}	17.1	X	73.91284	29.36071	344.22734	1.37585	0.0788822	0.20297822	2.8674978	21	—	—
297116 2010 RB_{72}	17.6	X	351.59518	180.64274	166.66493	2.24579	0.2185414	0.26913883	2.3758470	21	10 8.3	19.0
297117 2010 RY_{108}	16.5	X	217.53360	290.03515	5.91734	7.74545	0.0732840	0.22219457	2.6996891	21	1 17.9	20.6
297118 2010 RY_{116}	16.3	X	26.17390	301.57602	84.27643	4.35496	0.0532681	0.19149073	2.9810611	21	12 21.9	20.4
297119 2010 RZ_{118}	16.0	X	64.42541	344.57785	64.12096	6.48994	0.0531012	0.20666863	2.8332595	21	—	—
297120 2010 RO_{125}	16.3	X	10.81221	325.23726	109.48158	3.13990	0.0431572	0.20136317	2.8828100	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
297121 2010 RB_{126}	16.9	X	52.14361	263.07560	30.76807	6.57098	0.1322678	0.27277194	2.3547037	21	10 25.2	19.6
297122 2010 RS_{126}	16.6	X	67.04143	259.57737	163.17484	4.49807	0.1844308	0.20947697	2.8078799	21	1 4.6	19.7
297123 2010 RM_{136}	16.6	X	272.19049	14.76359	30.69101	6.70895	0.1306263	0.25827470	2.4420139	21	8 5.2	19.7
297124 2010 RM_{152}	17.3	X	173.33975	171.91521	35.14031	2.90060	0.0648561	0.27872102	2.3210771	21	11 16.5	20.4
297125 2010 RV_{166}	17.7	X	161.70947	180.69279	182.26458	1.23127	0.2736094	0.31258962	2.1502371	21	2 12.0	21.0
297126 2010 RC_{174}	16.5	X	170.76485	61.69860	252.26144	4.48713	0.0445272	0.21204896	2.7851288	21	—	—
297127 2010 RD_{179}	17.2	X	306.36823	329.13894	18.00882	4.76535	0.2076900	0.25863734	2.4397308	21	6 17.2	19.8
297128 2010 SY_{2}	16.3	X	110.36575	337.77357	313.03446	2.72420	0.0978752	0.18916769	3.0054170	21	12 9.5	20.9
297129 2010 SL_{11}	17.1	X	71.47147	73.69268	212.39460	6.35444	0.1131514	0.27048179	2.3679763	21	11 5.9	20.1
297130 2010 SN_{20}	16.3	X	99.38295	54.14573	297.65221	0.98143	0.0760406	0.20359199	2.8617318	21	—	—
297131 2010 ST_{33}	17.2	X	340.63214	216.71302	245.97350	5.00881	0.0802626	0.28971868	2.2619607	21	—	—
297132 2010 TJ_{2}	17.0	X	51.61618	151.47051	156.62346	4.76557	0.2607979	0.27671548	2.3322785	21	12 2.5	20.2
297133 2010 TU_{27}	16.9	X	231.93470	105.17361	201.70106	13.19687	0.1736503	0.23031705	2.6358376	21	2 5.2	21.4
297134 2010 TK_{37}	17.8	X	37.91964	114.41376	260.86848	4.36294	0.1710471	0.28411958	2.2915813	21	—	—
297135 2010 TD_{38}	17.0	X	291.28736	157.97313	252.02746	2.02812	0.1958230	0.26170400	2.4206341	21	8 26.8	19.5
297136 2010 TH_{38}	16.5	X	161.47187	222.52409	204.10165	13.46117	0.1494652	0.23273505	2.6175492	21	5 2.8	20.6
297137 2010 TS_{38}	17.5	X	287.56143	27.88792	15.80962	1.17534	0.1788701	0.26137437	2.4226688	21	8 15.6	20.0
297138 2010 TB_{79}	17.1	X	344.70035	67.65969	34.23979	7.01271	0.0486785	0.28914625	2.2649451	21	—	—
297139 2010 TK_{90}	17.8	X	262.01156	292.88049	124.27280	2.04532	0.1784057	0.25790259	2.4443623	21	7 28.5	21.0
297140 2010 TY_{127}	16.2	X	306.19991	258.63655	148.56714	1.38877	0.1628378	0.17244904	3.1966533	21	9 14.4	19.9
297141 2010 TU_{145}	16.6	X	214.36643	60.09119	275.83040	3.91866	0.0477288	0.22525346	2.6751927	21	2 28.4	20.4
297142 2010 TZ_{163}	17.2	X	328.13135	346.88544	23.70421	7.46143	0.1172516	0.26386797	2.4073816	21	9 20.9	19.5
297143 2010 TV_{173}	17.3	X	107.88257	354.89882	46.05208	5.95060	0.1226315	0.30557561	2.1830160	21	1 7.5	19.4
297144 2010 TM_{177}	13.1	X	288.79595	16.90366	74.87965	8.88111	0.0575464	0.08480194	5.1309625	21	10 20.2	19.9
297145 2010 TN_{177}	17.2	X	266.68078	0.37252	59.33533	2.59674	0.1784159	0.25662602	2.4524618	21	8 8.2	20.3
297146 2010 UF	16.8	X	151.63982	17.77150	243.11099	20.33015	0.0263171	0.37475749	1.9053254	21	—	—
297147 2010 UB_{6}	13.5	X	290.97925	351.82270	94.82180	7.35875	0.0819736	0.08235060	5.2322866	21	10 13.8	20.3
297148 2010 UD_{11}	15.0	X	287.39181	357.88448	67.54594	5.76046	0.1127603	0.16840235	3.2476604	21	9 19.2	19.4
297149 2010 UR_{26}	16.3	X	161.97716	132.58743	240.25205	5.11658	0.0211142	0.21703945	2.7422703	21	2 12.7	20.2
297150 2010 UN_{27}	17.1	X	167.25629	228.27583	224.31443	2.60374	0.1555554	0.23590036	2.5940817	21	6 9.7	21.2
297151 2010 UW_{34}	16.5	X	210.44817	40.19895	324.78617	4.33163	0.2159844	0.23332665	2.6131228	21	3 29.4	20.9
297152 2010 UQ_{56}	16.0	X	62.20145	107.83123	249.41220	8.09019	0.1684020	0.18973790	2.9993927	21	—	—
297153 2010 UU_{59}	16.1	X	175.05944	102.30360	267.95451	5.13233	0.0311248	0.21622820	2.7491251	21	2 25.9	20.0
297154 2010 UE_{60}	16.4	X	223.31411	128.53382	264.35361	3.04321	0.2059746	0.23766256	2.5812429	21	5 14.6	20.8
297155 2010 UV_{66}	13.2	X	295.10417	190.85649	257.59785	7.85218	0.1293713	0.08389735	5.1677783	21	10 8.9	19.9
297156 2010 UC_{81}	16.9	X	215.90634	195.15075	152.08453	0.52290	0.3282343	0.23241225	2.6199723	21	3 13.0	21.8
297157 2010 UE_{81}	17.4	X	312.21610	342.62866	59.70010	1.84801	0.2252279	0.26416260	2.4055912	21	9 25.1	19.0
297158 2010 UW_{99}	13.4	X	294.57247	189.51398	264.24793	10.02019	0.0442600	0.08456430	5.1405709	21	10 24.5	20.2
297159 2010 VN_{13}	17.3	X	124.01858	115.36468	231.29658	0.90144	0.2379395	0.29718146	2.2239324	21	—	—
297160 2010 VG_{22}	14.0	X	262.19033	206.36405	269.87828	2.79715	0.0248072	0.08165517	5.2619526	21	10 16.5	20.9
297161 Subuchin	17.0	X	316.76012	217.80854	236.86045	5.95293	0.0683516	0.27380983	2.3487495	21	—	—
297162 2010 VY_{27}	17.0	X	81.88831	337.67993	351.64611	6.64547	0.1988043	0.28220949	2.3019098	21	—	—
297163 2010 VT_{36}	13.3	X	75.73992	168.16467	140.34621	9.78067	0.0267225	0.08339915	5.1883386	21	11 2.9	20.3
297164 2010 VA_{37}	16.1	X	130.18734	11.05216	67.81661	12.41545	0.1636223	0.22381546	2.6866391	21	4 21.9	20.2
297165 2010 VF_{57}	17.6	X	178.04517	260.36057	77.32255	4.00708	0.1693256	0.30946259	2.1646978	21	1 18.2	20.5
297166 2010 VY_{57}	17.8	X	307.25054	226.44774	195.70004	2.05018	0.1856151	0.26526699	2.3989098	21	10 20.6	19.8
297167 2010 VS_{81}	16.7	X	277.90531	282.78651	54.22507	5.50648	0.1402781	0.23705723	2.5856351	21	5 6.1	20.0
297168 2010 VW_{81}	13.2	X	265.60238	67.07605	72.41335	16.86124	0.0615561	0.08264047	5.2200444	21	11 14.1	20.1
297169 2010 VK_{99}	17.3	X	188.20156	72.64723	246.30971	0.45955	0.1762870	0.30700468	2.1762363	21	1 4.8	20.5
297170 2010 VE_{103}	16.3	X	67.78557	173.96573	154.89608	1.34089	0.1396090	0.18287278	3.0739962	21	12 13.7	20.7
297171 2010 VD_{112}	16.3	X	61.60393	172.63929	195.99352	2.29516	0.1504922	0.19153349	2.9806174	21	—	—
297172 2010 VU_{112}	17.8	X	319.34143	45.42238	68.61628	7.58611	0.0472283	0.28129490	2.3068967	21	—	—
297173 2010 VC_{113}	16.0	X	45.83603	271.54817	85.84503	5.43863	0.1711328	0.18545707	3.0453727	21	12 27.3	20.2
297174 2010 VB_{136}	13.2	X	189.26024	146.10562	56.60118	16.36313	0.0854117	0.08486093	5.1285847	21	11 4.1	20.4
297175 2010 VF_{169}	15.6	X	280.90218	35.19146	69.64635	4.57772	0.0457384	0.17553709	3.1590521	21	11 6.2	19.9
297176 2010 VX_{171}	16.5	X	227.15133	345.92172	48.60842	2.18308	0.0887037	0.23752497	2.5822396	21	5 28.2	20.1
297177 2010 VC_{187}	15.8	X	3.29027	275.32379	112.45446	9.73443	0.1852360	0.18096551	3.0955572	21	12 5.8	19.4
297178 2010 WF_{24}	12.9	X	312.93561	193.18205	250.89153	27.86393	0.1102543	0.08380930	5.1713972	21	10 29.6	19.6
297179 2010 WB_{34}	15.9	X	294.28565	269.43464	228.68951	3.71967	0.0819837	0.18530094	3.0470832	21	12 31.7	19.9
297180 2010 WM_{38}	17.5	X	108.63328	267.86994	87.72989	5.98770	0.1576346	0.29311105	2.2444740	21	—	—
297181 2010 WJ_{47}	16.9	X	190.02263	278.57235	65.02070	5.15662	0.0755964	0.21451470	2.7637452	21	2 17.3	21.0
297182 2010 WD_{49}	13.6	X	321.48984	8.34808	64.15600	6.96028	0.0554494	0.08338145	5.1890728	21	11 4.5	20.2
297183 2010 WL_{53}	17.6	X	41.25437	71.82082	277.15636	3.63862	0.2502686	0.27602817	2.3361485	21	—	—
297184 2010 WS_{55}	15.7	X	355.68270	8.37293	104.76110	11.48858	0.0747927	0.18822406	3.0154534	21	—	—
297185 2010 WO_{69}	15.7	X	96.98419	268.11659	67.89817	11.96158	0.1356780	0.18974124	2.9993574	21	—	—
297186 2010 XD_{3}	16.6	X	336.84461	223.51690	258.62687	7.17531	0.1907082	0.28088781	2.3091250	21	—	—
297187 2010 XN_{17}	17.2	X	74.61347	232.18107	114.81743	4.69913	0.0539827	0.27180863	2.3602638	21	—	—
297188 2010 XS_{35}	16.4	X	27.50389	268.94180	155.68478	0.94135	0.1357388	0.19189992	2.9768219	21	—	—
297189 2010 XZ_{35}	15.1	X	173.36587	160.15529	82.08298	16.36157	0.0581065	0.18168589	3.0873693	21	12 14.8	19.6
297190 2010 XM_{38}	15.4	X	351.24247	309.18363	81.88243	6.04511	0.1003170	0.16890795	3.2411763	21	11 10.6	19.5
297191 2010 XZ_{41}	17.2	X	344.43900	308.32318	76.32787	1.71507	0.0731875	0.25849949	2.4405980	21	11 6.8	19.8
297192 2010 XO_{63}	15.2	X	222.17962	107.13606	106.09797	13.64291	0.0109496	0.17950557	3.1123189	21	—	—
297193 2010 XZ_{66}	16.7	X	260.94083	244.52116	97.20899	8.58593	0.1351747	0.23386771	2.6090909	21	4 26.8	20.6
297194 2010 XX_{68}	12.8	X	16.84726	305.84166	74.80847	17.55389	0.0315201	0.08190160	5.2513924	21	11 15.5	19.6
297195 2010 XS_{76}	13.7	X	329.16939	294.50450	147.22768	5.14058	0.0698131	0.08610675	5.0789966	21	11 23.8	20.1
297196 2011 AY_{26}	13.4	X	333.37530	167.77911	263.53807	12.24116	0.0543827	0.08449814	5.1432538	21	11 15.7	20.0
297197 2011 AE_{30}	17.2	X	161.63497	140.55617	327.26787	3.83861	0.1119934	0.22827218	2.6515555	21	6 22.2	21.3
297198 2011 AB_{34}	16.4	X	320.52979	162.25553	314.24067	2.81286	0.2031237	0.17717698	3.1395291	21	—	—
297199 2011 AS_{56}	16.7	X	178.96743	305.54782	126.83375	5.64078	0.0799650	0.22261850	2.6962607	21	5 26.3	20.7
297200 2011 BS_{99}	15.8	X	258.70076	18.98398	184.28609	10.70903	0.0433129	0.17674338	3.1446618	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
297201 2011 BH_{100}	16.8	X	44.22544	356.25479	214.33404	7.27074	0.1506962	0.21369166	2.7708371	21	6 14.4	20.1
297202 2011 BZ_{112}	16.9	X	25.26703	103.58249	201.64697	3.73895	0.0562988	0.23511104	2.5998844	21	9 13.8	20.0
297203 2011 CM_{88}	15.8	X	22.85824	297.41409	158.54663	21.98616	0.1023648	0.18294140	3.0732276	21	—	—
297204 2011 CF_{89}	16.5	X	20.10365	153.01536	316.79631	5.70755	0.1212116	0.18637063	3.0354126	21	—	—
297205 2011 DT_{7}	15.6	X	169.38097	182.11721	109.29527	11.87666	0.0656230	0.16841018	3.2475598	21	—	—
297206 2011 DW_{11}	17.7	X	269.23382	279.91717	1.58190	1.39622	0.2500484	0.28343326	2.2952791	21	1 30.5	21.4
297207 2011 DG_{48}	15.9	X	101.11260	292.87140	165.65105	15.16696	0.1129259	0.20462161	2.8521238	21	4 6.3	19.9
297208 2011 DL_{49}	16.9	X	316.24648	308.53480	272.51735	6.42481	0.0534936	0.29009080	2.2600259	21	1 23.1	19.7
297209 2011 FA_{102}	16.9	X	254.61168	289.26896	272.55521	5.55592	0.0195478	0.26889948	2.3772566	21	—	—
297210 2011 FL_{141}	17.9	X	354.81502	72.31457	192.26353	4.71314	0.2202399	0.29700354	2.2248205	21	5 13.4	19.1
297211 2011 HA_{32}	16.4	X	347.99382	208.02198	90.58691	16.59001	0.1260522	0.20529579	2.8458763	21	7 4.9	19.7
297212 2011 HJ_{52}	16.3	X	112.19293	181.72640	114.07282	11.96396	0.1140079	0.23908794	2.5709735	21	12 26.9	20.2
297213 2011 HG_{59}	16.5	X	39.59760	97.29505	163.52450	7.34322	0.0879812	0.21158228	2.7892227	21	8 7.0	20.0
297214 2011 HS_{59}	17.2	X	248.92281	109.16388	157.29136	6.16590	0.0838604	0.26924738	2.3752084	21	1 3.4	20.7
297215 2011 JJ	13.1	X	293.30455	109.32815	223.80376	22.79220	0.0333802	0.08600566	5.0829755	21	6 10.5	20.0
297216 2011 KK_{6}	16.0	X	292.96230	137.70963	90.36772	2.44894	0.1162745	0.17519659	3.1631439	21	1 19.3	20.5
297217 2011 KX_{9}	16.8	X	96.64976	149.45147	159.89100	4.72348	0.1864910	0.23627347	2.5913500	21	12 31.8	21.1
297218 2011 KT_{16}	13.0	X	325.12572	43.86727	260.42446	10.26290	0.0863990	0.08238841	5.2306859	21	6 12.1	19.6
297219 2011 KW_{21}	16.1	X	59.35699	165.40273	112.56955	4.16714	0.1399020	0.20763644	2.8244486	21	10 8.2	19.9
297220 2011 LZ_{4}	16.0	X	127.58143	204.70629	105.03251	15.56642	0.2705972	0.23467514	2.6031029	21	—	—
297221 2011 OF_{18}	13.9	X	289.47803	147.72044	184.18397	0.36634	0.2164881	0.08217337	5.2398071	21	5 12.9	20.8
297222 2011 OM_{19}	16.4	X	142.19533	328.25852	243.71895	2.22258	0.0217548	0.21145644	2.7903292	21	10 7.6	20.3
297223 2011 OS_{19}	16.9	X	221.36086	346.01320	277.55862	3.75866	0.0942383	0.24742073	2.5129200	21	—	—
297224 2011 OK_{31}	17.0	X	230.33616	227.35564	42.50583	2.94845	0.1554171	0.25596306	2.4566947	21	—	—
297225 2011 PG	17.6	X	249.52264	356.17184	321.55387	1.53812	0.2131132	0.26690200	2.3891028	21	3 2.7	21.5
297226 4219 $P–L$	16.2	X	44.50850	148.38687	204.62879	6.32464	0.1222787	0.21252680	2.7809526	21	12 19.1	20.0
297227 3473 $T–2$	17.2	X	308.59339	328.85125	34.30627	3.98792	0.2446441	0.24494362	2.5298336	21	7 9.9	19.8
297228 1012 $T–3$	15.3	X	280.91397	321.38051	339.32443	13.81418	0.2553791	0.17298966	3.1899897	21	3 14.0	20.4
297229 2126 $T–3$	16.5	X	91.16348	33.93965	324.00844	3.70093	0.2535859	0.23017625	2.6369124	21	—	—
297230 2205 $T–3$	17.4	X	0.83365	49.84496	282.87662	1.91791	0.1917567	0.26847272	2.3797752	21	10 1.2	19.3
297231 2320 $T–3$	15.9	X	151.44439	302.65371	4.65142	11.02446	0.1080742	0.23099072	2.6307103	21	—	—
297232 3388 $T–3$	17.4	X	322.29269	311.82835	19.32863	12.54532	0.1424516	0.28836279	2.2690457	21	7 5.1	19.8
297233 5100 $T–3$	16.0	X	41.14195	210.31860	170.68454	15.83268	0.2628265	0.18196473	3.0842144	21	—	—
297234 1960 SP	18.1	X	212.90178	71.79625	324.02260	1.67634	0.2156134	0.27025442	2.3693043	21	5 7.2	21.9
297235 1981 EN_{11}	17.2	X	223.22084	137.29048	337.16620	6.13813	0.3653892	0.28164187	2.3050016	21	8 16.9	21.1
297236 1981 EB_{29}	15.9	X	2.16450	338.91247	186.99635	9.61899	0.1229367	0.24398293	2.5364702	21	1 15.1	19.0
297237 1981 EA_{48}	16.6	X	252.13956	177.07898	333.65785	7.68627	0.2001704	0.21198389	2.7856988	21	11 6.4	20.6
297238 1994 JY_{3}	16.2	X	106.32545	3.99929	223.91474	7.20809	0.0669043	0.19229096	2.9727847	21	9 15.3	20.6
297239 1994 RH_{19}	16.3	X	99.91259	6.49459	338.71683	12.91521	0.2565487	0.23064465	2.6333411	21	—	—
297240 1994 SC_{1}	16.9	X	77.08725	202.87666	191.72698	8.10362	0.2058992	0.23062853	2.6334638	21	—	—
297241 1994 SF_{5}	16.3	X	173.68876	126.93109	184.50898	14.53427	0.1055652	0.23388879	2.6089341	21	—	—
297242 1994 SL_{11}	16.1	X	231.25075	21.25674	28.90023	5.13129	0.1951696	0.17377366	3.1803878	21	6 14.6	21.4
297243 1994 SC_{13}	15.8	X	302.65823	304.12753	18.57678	16.81333	0.2427587	0.17622447	3.1508320	21	5 3.4	20.3
297244 1994 UW_{1}	16.0	X	90.08009	236.04606	196.63471	30.80980	0.3329182	0.23330317	2.6132981	21	3 13.7	19.5
297245 1994 UP_{6}	17.5	X	234.66577	105.72932	1.47029	4.02395	0.1091707	0.28882620	2.2666179	21	9 13.9	20.1
297246 1994 UW_{7}	15.4	X	304.20889	308.39859	22.73618	16.80178	0.0114639	0.17253906	3.1955412	21	6 23.0	20.2
297247 1994 UZ_{10}	16.7	X	32.44820	220.79349	234.53480	7.86671	0.0237456	0.23109116	2.6299480	21	—	—
297248 1995 AF_{2}	17.0	X	66.44053	85.46916	287.70396	3.71855	0.1286568	0.22134103	2.7066250	21	—	—
297249 1995 DQ_{2}	15.8	X	334.51673	120.55393	2.02837	33.93005	0.2529820	0.21906587	2.7253330	21	—	—
297250 1995 EC_{4}	17.3	X	100.20569	187.85602	318.56660	3.85988	0.0770092	0.27203158	2.3589741	21	5 24.8	20.3
297251 1995 FN_{10}	17.1	X	267.96939	193.82285	80.64764	3.92726	0.1735321	0.25973362	2.4328608	21	1 29.9	20.8
297252 1995 GS_{2}	17.1	X	115.16803	40.94151	114.02983	3.16099	0.1337355	0.27154746	2.3617770	21	7 5.0	20.1
297253 1995 QN_{14}	15.7	X	242.79060	200.60042	196.11261	9.57617	0.0887786	0.18142233	3.0903587	21	6 19.7	20.4
297254 1995 SR_{10}	16.1	X	262.05280	34.25290	8.60725	5.89320	0.1312596	0.18299749	3.0725995	21	7 16.0	20.6
297255 1995 SN_{51}	15.7	X	299.94914	0.26804	13.89272	9.26825	0.1468756	0.18452874	3.0555779	21	7 28.8	19.7
297256 1995 SA_{52}	15.3	X	195.39278	224.72985	199.14928	15.58891	0.0287146	0.17836869	3.1255297	21	6 4.5	20.1
297257 1995 SC_{59}	16.6	X	286.74651	305.13868	84.03846	0.14170	0.1867233	0.18423007	3.0588795	21	7 20.2	20.7
297258 1995 SZ_{64}	16.2	X	72.14947	0.59278	205.95330	5.23101	0.0645616	0.18089618	3.0963482	21	7 8.0	20.5
297259 1995 SA_{66}	15.9	X	185.14699	121.68138	353.24408	11.27577	0.0873617	0.18403671	3.0610217	21	7 28.9	20.7
297260 1995 SO_{68}	16.7	X	338.66379	311.81933	14.29955	1.48229	0.1404229	0.18762426	3.0218766	21	7 26.5	20.0
297261 1995 SB_{80}	16.5	X	225.02770	86.78804	350.11221	8.81497	0.0260622	0.18585047	3.0410737	21	7 29.4	20.9
297262 1995 TV_{3}	17.9	X	189.59392	314.78710	4.51892	1.67306	0.0275408	0.24373529	2.5381879	21	1 7.8	21.2
297263 1995 TG_{4}	17.7	X	359.97898	3.70089	17.78900	5.35039	0.1308741	0.30656471	2.1783180	21	12 16.4	19.8
297264 1995 TH_{6}	15.4	X	301.44060	313.26017	26.22907	17.35557	0.2474915	0.18262823	3.0767398	21	5 22.1	19.7
297265 1995 UT_{12}	17.2	X	48.13057	87.10592	19.55943	6.43875	0.1302140	0.24239441	2.5475399	21	1 17.8	19.8
297266 1995 UP_{15}	15.6	X	262.97181	347.89679	61.47787	10.85208	0.0584719	0.18136174	3.0910469	21	8 7.0	20.1
297267 1995 UR_{20}	17.1	X	24.91457	355.34283	16.32855	4.20188	0.1333083	0.30836309	2.1698404	21	—	—
297268 1995 VJ_{15}	15.2	X	103.55130	275.04171	235.06886	14.59472	0.0707454	0.17377262	3.1804005	21	6 7.5	19.7
297269 1995 VF_{18}	17.5	X	81.33518	26.30162	236.38753	4.40423	0.1793951	0.30105035	2.2048377	21	10 28.3	20.5
297270 1995 WB_{18}	17.4	X	161.19979	351.85915	32.39676	5.60544	0.2198288	0.24659125	2.5185521	21	3 15.4	21.5
297271 1995 WH_{18}	15.7	X	196.25352	39.05108	37.11500	16.16779	0.0412932	0.17791157	3.1308812	21	6 18.3	20.5
297272 1996 BV_{9}	16.7	X	142.55209	115.35543	195.24720	5.90297	0.0676916	0.22800040	2.6536622	21	—	—
297273 1996 FU_{5}	16.8	X	69.83994	292.99200	151.56871	4.76811	0.1742127	0.23489566	2.6014734	21	1 30.8	19.4
297274 1996 SK	16.8	X	164.05028	285.85548	196.06610	1.96498	0.7922126	0.25828772	2.4419319	21	7 22.2	22.9
297275 1996 TX_{29}	17.1	X	211.48108	325.87436	33.75954	4.28794	0.2115014	0.26016633	2.4301625	21	3 24.6	21.2
297276 1996 VR_{11}	16.2	X	333.16528	34.72215	275.21359	6.24810	0.1490570	0.19002358	2.9963857	21	6 22.3	19.7
297277 1996 VT_{15}	16.5	X	155.68631	273.52027	221.77588	7.71397	0.0323312	0.18613300	3.0379955	21	7 15.5	21.0
297278 1996 XB_{16}	18.1	X	157.76388	153.67080	281.53745	0.96940	0.1618352	0.25924216	2.4359346	21	5 7.9	21.7
297279 1997 CT_{11}	17.0	X	224.06822	126.73901	108.43231	2.30306	0.1715873	0.23674471	2.5879101	21	—	—
297280 1997 GG_{1}	16.3	X	131.77839	69.99785	185.52331	19.24833	0.1379457	0.22443347	2.6817048	21	11 27.5	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
297281 1997 GJ_{30}	17.7	X	83.58507	191.73013	38.43567	1.42954	0.1862696	0.29704427	2.2246171	21	9 18.6	20.6
297282 1997 HV_{1}	16.3	X	168.38848	261.72763	20.16443	14.81496	0.0846893	0.23109624	2.6299095	21	—	—
297283 1997 NK	17.0	X	48.97397	87.10912	289.92282	6.78146	0.2320551	0.21620154	2.7493511	21	—	—
297284 1997 NT_{5}	17.8	X	352.07962	348.87318	270.30896	2.96547	0.2581401	0.28392810	2.2926115	21	4 18.4	19.1
297285 1997 SO_{6}	17.9	X	275.15918	30.92548	352.17356	3.28340	0.1694260	0.28292273	2.2980395	21	6 29.5	20.7
297286 1997 SQ_{8}	17.0	X	159.66495	182.62523	357.26274	5.88609	0.0924997	0.28865499	2.2675141	21	9 25.7	20.0
297287 1997 SC_{33}	13.8	X	353.28494	185.97258	214.52083	4.86703	0.1221382	0.08266346	5.2190766	21	11 7.9	20.1
297288 1997 TT_{1}	16.7	X	30.00797	45.60024	348.08625	4.76014	0.0805872	0.21276108	2.7789107	21	—	—
297289 1997 WF	17.7	X	183.50434	221.60340	257.54935	4.96434	0.3659418	0.27416506	2.3467202	21	7 25.8	22.1
297290 1997 WU_{18}	17.9	X	136.33665	347.48892	134.94570	1.75852	0.1337539	0.27223800	2.3577815	21	6 14.9	21.3
297291 1997 XG_{2}	17.1	X	209.42767	346.80073	61.40462	4.22580	0.1962533	0.27302470	2.3532501	21	5 21.2	20.9
297292 1998 FW_{105}	15.8	X	66.16487	203.07816	351.27910	10.62459	0.2045008	0.17702088	3.1413745	21	7 8.1	20.1
297293 1998 HN_{12}	16.9	X	172.68198	250.64771	74.46372	17.74418	0.2418611	0.24176632	2.5519501	21	1 14.3	21.3
297294 1998 ML_{7}	16.3	X	98.02411	127.10935	285.73611	4.46907	0.2929797	0.23553648	2.5967527	21	2 20.4	19.5
297295 1998 QN_{3}	15.5	X	317.19325	250.68437	138.61976	31.97514	0.3814746	0.21405055	2.7677391	21	8 8.8	17.8
297296 1998 QQ_{73}	15.9	X	104.61272	73.64990	282.85913	11.51126	0.2871136	0.22884844	2.6471024	21	—	—
297297 1998 RQ_{13}	16.4	X	101.52305	23.05960	344.97822	9.26523	0.1161758	0.23048999	2.6345190	21	—	—
297298 1998 RF_{22}	15.9	X	131.66381	8.38855	327.74472	13.05237	0.1411951	0.23104339	2.6303105	21	—	—
297299 1998 RM_{62}	17.1	X	54.61166	330.40341	4.35037	5.04331	0.2112537	0.30752962	2.1737591	21	—	—
297300 1998 SC_{15}	19.3	X	234.10215	277.50027	198.69641	16.08076	0.4145030	0.68609840	1.2731467	21	9 12.1	19.6
297301 1998 SQ_{20}	16.8	X	228.24463	255.07920	0.47588	4.42887	0.0677221	0.23241316	2.6199655	21	—	—
297302 1998 SB_{38}	17.1	X	118.57072	177.57955	175.85534	2.51071	0.2149456	0.23080656	2.6321095	21	—	—
297303 1998 SK_{86}	17.4	X	25.44394	12.45476	2.42101	4.24135	0.1837510	0.30692647	2.1766060	21	—	—
297304 1998 SQ_{125}	17.0	X	122.78462	206.51207	130.66758	3.13081	0.3203339	0.22895545	2.6462775	21	—	—
297305 1998 TT_{8}	16.9	X	358.59071	66.22596	35.33627	10.23380	0.1265582	0.22362907	2.6881317	21	—	—
297306 1998 TR_{10}	16.6	X	112.05591	297.66385	37.68597	9.18224	0.2501042	0.22577087	2.6711039	21	—	—
297307 1998 TQ_{20}	17.4	X	107.78654	310.02477	33.44369	2.27563	0.2052885	0.22596794	2.6695506	21	—	—
297308 1998 TH_{21}	16.9	X	65.81208	359.52545	20.31116	3.77746	0.1367964	0.22389803	2.6859786	21	—	—
297309 1998 UJ_{18}	17.1	X	7.55433	353.18243	11.43264	4.86208	0.1861789	0.30328417	2.1939980	21	12 12.5	19.1
297310 1998 UK_{28}	16.4	X	66.78738	227.41922	198.41210	14.07425	0.3220303	0.22709822	2.6606856	21	1 18.3	18.8
297311 1998 VR_{4}	16.2	X	69.42651	132.92974	232.11729	4.92387	0.1549265	0.22194317	2.7017274	21	—	—
297312 1998 WW_{3}	16.4	X	57.95796	315.97151	65.16970	14.35053	0.2633603	0.22223080	2.6993957	21	—	—
297313 1998 WF_{42}	18.3	X	341.20865	127.11425	231.89081	3.35393	0.2325019	0.29828694	2.2184342	21	10 6.5	19.1
297314 1998 XV_{2}	18.0	X	309.66378	314.01971	78.77117	1.84571	0.1148340	0.29526967	2.2335216	21	9 23.3	19.8
297315 1999 BV_{31}	16.2	X	18.55982	309.09723	102.67082	3.44959	0.0760075	0.21445943	2.7642201	21	—	—
297316 1999 HV_{7}	17.3	X	139.90993	96.36957	47.26098	3.92470	0.1299920	0.27612462	2.3356045	21	7 18.4	20.6
297317 1999 HH_{10}	16.8	X	311.84895	61.99129	209.04305	10.07209	0.2196038	0.26577129	2.3958742	21	3 2.9	20.1
297318 1999 TV_{4}	17.6	X	147.36963	1.72348	14.37734	14.01029	0.3184715	0.24499329	2.5294917	21	3 4.7	22.0
297319 1999 TR_{39}	16.4	X	132.39674	336.47501	78.56610	9.47112	0.2235628	0.24578917	2.5240283	21	3 30.3	20.4
297320 1999 TV_{163}	16.3	X	153.79663	253.95905	127.06693	7.64969	0.1410675	0.24489664	2.5301572	21	2 25.4	20.0
297321 1999 TU_{178}	17.2	X	138.61635	160.89838	242.11834	4.03209	0.2642080	0.24586240	2.5235271	21	3 18.4	21.2
297322 1999 TB_{180}	17.2	X	166.07356	350.99150	337.61542	5.71531	0.2322268	0.24310614	2.5425652	21	1 12.2	21.3
297323 1999 TE_{211}	17.0	X	78.77287	79.17068	227.44235	24.21385	0.0539248	0.41090552	1.7918765	21	12 29.1	19.3
297324 1999 TU_{213}	17.4	X	150.35728	314.48690	36.50375	1.63370	0.2698740	0.24358991	2.5391977	21	1 28.0	21.3
297325 1999 TX_{217}	17.5	X	158.22846	140.29001	212.37457	8.07821	0.3041048	0.24438303	2.5337009	21	2 4.9	22.0
297326 1999 TP_{246}	15.3	X	302.77296	126.90173	180.90446	19.21290	0.1302406	0.16957578	3.2326610	21	5 9.5	19.9
297327 1999 TQ_{290}	16.8	X	95.18184	187.78946	200.53182	13.54430	0.2835635	0.23811598	2.5779650	21	1 11.5	20.0
297328 1999 US_{35}	16.6	X	26.52685	247.61717	225.34491	12.60192	0.1435529	0.23776078	2.5805319	21	—	—
297329 1999 VY_{26}	17.1	X	123.43670	187.23609	232.61141	5.76674	0.2584917	0.24384548	2.5374232	21	3 24.2	21.0
297330 1999 VW_{99}	16.4	X	124.60007	324.18390	57.71156	4.78832	0.0677764	0.24068449	2.5595915	21	1 13.6	19.8
297331 1999 VZ_{132}	16.3	X	54.72834	92.64830	7.55051	14.75093	0.0650869	0.24490701	2.5300858	21	1 20.1	19.6
297332 1999 VH_{147}	15.6	X	99.70488	177.68862	239.12695	14.81836	0.1504947	0.23982655	2.5656921	21	1 31.2	19.1
297333 1999 VE_{168}	17.0	X	122.17708	358.97954	47.28195	5.19669	0.2709950	0.24258114	2.5462323	21	3 12.2	20.7
297334 1999 VN_{175}	17.3	X	144.90901	1.27121	8.46178	4.98389	0.1883917	0.24358201	2.5392526	21	2 7.6	21.0
297335 1999 VH_{190}	16.1	X	114.86312	180.91624	231.55906	12.77682	0.1480382	0.24116368	2.5561997	21	2 14.9	19.8
297336 1999 VR_{206}	17.9	X	148.79449	328.61964	35.87935	4.15395	0.2687719	0.24332694	2.5410269	21	2 12.9	22.0
297337 1999 WH_{13}	16.1	X	207.75389	87.54914	229.04858	2.64805	0.0846395	0.24346954	2.5400346	21	1 26.6	19.7
297338 1999 WR_{15}	17.9	X	68.74577	229.87557	228.73212	5.92653	0.2050232	0.24085172	2.5584065	21	2 18.0	20.5
297339 1999 WY_{25}	17.6	X	64.37573	225.06736	231.77277	3.27474	0.2083121	0.23926655	2.5696939	21	2 8.9	19.9
297340 1999 XY_{39}	16.4	X	28.17755	0.92280	106.63508	5.74752	0.2586436	0.23461901	2.6035180	21	—	—
297341 1999 XR_{102}	15.7	X	149.50164	95.94818	290.41455	3.90599	0.2458171	0.24193743	2.5507468	21	3 6.5	19.9
297342 1999 XM_{103}	14.9	X	180.09407	91.92996	287.07030	11.41912	0.3431996	0.24587499	2.5234410	21	3 20.9	19.9
297343 1999 XU_{140}	16.8	X	68.40253	184.53859	271.74904	4.49651	0.2218211	0.23701005	2.5859783	21	2 18.4	19.3
297344 1999 XK_{146}	17.2	X	232.19388	69.66288	222.32110	1.84175	0.0247973	0.24143561	2.5542800	21	1 24.1	20.7
297345 1999 XY_{151}	16.7	X	101.14764	120.44485	296.93607	4.20040	0.1244244	0.23699898	2.5860588	21	2 5.1	19.7
297346 1999 XP_{179}	16.4	X	97.05866	95.64598	337.29234	5.09415	0.1877150	0.23911172	2.5708031	21	3 1.9	19.5
297347 1999 XK_{196}	15.5	X	143.47812	64.49787	346.26089	7.56871	0.1721949	0.24312931	2.5424036	21	3 24.3	19.4
297348 1999 XR_{244}	16.7	X	131.97281	351.86174	354.11172	1.19379	0.0918422	0.23646292	2.5899657	21	—	—
297349 1999 XR_{245}	16.1	X	23.47719	1.27697	124.66779	7.60253	0.2579629	0.23575963	2.5951139	21	—	—
297350 1999 YX_{12}	16.2	X	13.05530	200.06997	265.24879	12.37616	0.2057087	0.23241337	2.6199639	21	—	—
297351 1999 YP_{16}	17.5	X	81.35966	79.69111	305.15555	3.65380	0.2188007	0.23154922	2.6264784	21	—	—
297352 2000 AO_{19}	16.4	X	32.59403	171.25766	295.78591	2.78985	0.2451869	0.23472064	2.6027664	21	—	—
297353 2000 AV_{24}	16.2	X	50.69581	159.73830	287.28898	12.51041	0.1263314	0.23413333	2.6071172	21	—	—
297354 2000 AB_{147}	16.5	X	78.77247	136.14270	307.45143	4.45511	0.2278782	0.23718342	2.5847179	21	2 21.7	19.2
297355 2000 BM_{2}	16.3	X	107.46738	123.38247	305.91621	11.27393	0.2937254	0.24130687	2.5551884	21	3 20.2	20.1
297356 2000 BG_{46}	16.3	X	265.29017	167.82125	324.92381	2.83437	0.0157869	0.21741681	2.7390963	21	11 30.6	20.1
297357 2000 BQ_{48}	16.6	X	139.84142	144.79232	135.92005	5.57529	0.1223544	0.21993567	2.7181428	21	12 31.9	21.0
297358 2000 CT_{19}	16.6	X	96.83854	269.77007	182.27630	5.10017	0.2919366	0.23978123	2.5660154	21	4 13.1	20.0
297359 2000 CL_{106}	16.8	X	106.12992	232.17484	120.25213	2.50776	0.1337429	0.22780344	2.6551916	21	—	—
297360 2000 CH_{119}	17.0	X	162.05335	292.84907	332.56355	4.51834	0.0798378	0.21958401	2.7210441	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
297361 2000 CE_{131}	17.2	X	87.20823	265.82427	129.72599	1.83796	0.1435661	0.22977004	2.6400194	21	—	—
297362 2000 CT_{140}	16.6	X	187.58143	340.47432	301.40060	3.94879	0.0656089	0.22753988	2.6572415	21	—	—
297363 2000 DG_{11}	16.4	X	68.36735	101.29713	330.53645	12.64494	0.1815765	0.23216890	2.6218028	21	1 15.2	19.2
297364 2000 DS_{16}	16.9	X	58.19927	109.42861	340.16368	28.89379	0.3804095	0.23424771	2.6062684	21	2 20.3	18.5
297365 2000 DO_{46}	16.2	X	7.61220	96.01887	335.00828	14.19547	0.0427592	0.22126775	2.7072226	21	—	—
297366 2000 DP_{49}	16.7	X	305.77792	152.88437	358.48885	1.47483	0.1440967	0.22336879	2.6902195	21	—	—
297367 2000 DV_{49}	16.0	X	233.25597	204.59618	320.29288	7.15374	0.1529280	0.21552512	2.7551005	21	11 9.4	20.2
297368 2000 DH_{90}	17.2	X	334.17900	175.39647	316.17102	2.94755	0.1849855	0.22628208	2.6670794	21	—	—
297369 2000 EY_{35}	17.4	X	304.93243	76.01129	339.31415	3.97921	0.0408822	0.30263725	2.1971234	21	10 24.4	19.6
297370 2000 EO_{175}	15.4	X	42.17445	74.90762	343.94610	28.53037	0.3304315	0.22984841	2.6394193	21	—	—
297371 2000 FC_{51}	16.3	X	38.24796	37.52050	6.42154	2.88976	0.0726518	0.21819871	2.7325488	21	—	—
297372 2000 GJ_{88}	16.2	X	264.72740	331.70568	179.56137	12.42372	0.2577797	0.21589981	2.7519120	21	11 20.5	19.9
297373 2000 GN_{170}	16.2	X	262.25513	189.62450	324.25217	7.18004	0.1543972	0.21575237	2.7531656	21	12 2.9	19.8
297374 2000 HA_{95}	17.6	X	33.32610	47.95517	175.62259	21.71233	0.0466652	0.37669371	1.8987909	21	5 27.9	19.8
297375 2000 JE_{8}	16.6	X	174.99094	57.39210	170.39126	4.50046	0.0102585	0.21077639	2.7963277	21	12 7.7	20.5
297376 2000 JX_{42}	16.3	X	204.59109	359.04383	221.51077	8.29474	0.1062410	0.21233535	2.7826239	21	12 23.1	20.4
297377 2000 KC_{37}	17.8	X	68.32211	339.50890	258.61005	1.59000	0.1214210	0.28953318	2.2629267	21	8 29.1	20.4
297378 2000 KR_{44}	17.2	X	57.29442	154.58430	100.24856	9.49765	0.1410793	0.19564436	2.9387174	21	9 6.2	21.2
297379 2000 OR_{40}	16.3	X	271.64269	134.98162	248.50076	6.50598	0.2286308	0.27647144	2.3336508	21	6 16.2	19.3
297380 2000 OS_{49}	17.3	X	240.52189	20.35082	325.85385	7.80211	0.3063279	0.26793656	2.3829489	21	3 23.0	21.7
297381 2000 PL_{27}	17.5	X	259.24888	332.75195	323.69645	6.38150	0.1853075	0.26726343	2.3869484	21	2 14.9	21.4
297382 2000 QC	15.5	X	312.56147	84.73207	280.94766	8.04545	0.1443496	0.18485290	3.0520048	21	8 1.6	19.3
297383 2000 QO_{1}	17.0	X	257.19785	104.87327	229.12558	2.92322	0.2246264	0.27077629	2.3662591	21	3 27.7	20.6
297384 2000 QB_{13}	17.4	X	236.38379	286.56836	47.87294	0.45535	0.2336246	0.26796057	2.3828066	21	3 11.7	21.4
297385 2000 QW_{16}	17.3	X	231.48404	151.27133	218.19308	1.54214	0.2284545	0.26990141	2.3713698	21	4 19.7	21.1
297386 2000 QW_{17}	16.9	X	263.83211	54.76346	339.98867	6.04639	0.2422281	0.27635211	2.3343225	21	6 21.1	20.3
297387 2000 QC_{52}	17.8	X	237.17761	185.06410	170.45847	2.17763	0.2213804	0.26937569	2.3744541	21	4 8.0	21.5
297388 2000 QM_{61}	15.5	X	311.54076	183.29977	165.31456	18.53691	0.2530701	0.18298265	3.0727656	21	6 23.2	19.7
297389 2000 QE_{81}	16.5	X	345.06630	112.89051	184.24928	4.60237	0.2374577	0.18469187	3.0537784	21	6 19.2	19.5
297390 2000 QR_{90}	17.3	X	289.72588	122.80286	217.32729	4.36369	0.2489430	0.27436266	2.3455933	21	5 6.4	20.1
297391 2000 QT_{90}	17.0	X	265.47836	155.10707	198.73100	6.26462	0.2193345	0.27227855	2.3575474	21	5 2.4	20.5
297392 2000 QG_{108}	15.9	X	258.70219	186.70143	156.31103	12.31257	0.2385135	0.17650128	3.1475368	21	4 19.8	21.1
297393 2000 QK_{109}	16.6	X	289.70681	190.59911	152.19661	1.87230	0.1177026	0.18150148	3.0894602	21	6 4.4	20.9
297394 2000 QZ_{115}	17.5	X	231.24373	128.99308	248.35616	1.11449	0.2311016	0.26969816	2.3725611	21	4 29.2	21.3
297395 2000 QA_{125}	17.3	X	286.95173	357.03766	359.65094	4.17416	0.1660555	0.27592240	2.3367455	21	6 7.3	20.1
297396 2000 QC_{130}	17.1	X	276.24996	196.38332	154.77389	12.28027	0.2854560	0.27306453	2.3530213	21	5 5.5	20.9
297397 2000 QL_{174}	17.1	X	330.70528	357.64094	282.36294	5.00860	0.2368317	0.27506153	2.3416186	21	4 9.3	19.5
297398 2000 QL_{177}	17.0	X	223.23680	189.27669	207.11055	2.82566	0.2052826	0.27086643	2.3657341	21	5 18.4	20.7
297399 2000 QS_{184}	15.8	X	290.62677	342.17676	353.28147	10.30691	0.2495126	0.18149499	3.0895339	21	5 3.8	20.5
297400 2000 QG_{193}	15.4	X	305.11687	248.43196	145.91728	16.00312	0.3156453	0.18531182	3.0469639	21	8 1.8	19.1
297401 2000 QA_{199}	16.0	X	333.18775	205.59015	115.76565	2.90269	0.2037915	0.18470333	3.0536522	21	7 2.3	19.3
297402 2000 QJ_{203}	17.5	X	273.37142	295.09978	34.43560	2.89198	0.2034289	0.27131207	2.3631428	21	4 10.1	20.8
297403 2000 QD_{206}	15.4	X	253.86714	210.18286	176.14632	10.86179	0.2244363	0.17810255	3.1286426	21	6 5.5	20.5
297404 2000 QN_{227}	17.4	X	268.09533	26.14451	307.51058	2.11226	0.2724949	0.27075730	2.3663697	21	4 1.9	21.2
297405 2000 QV_{243}	16.8	X	11.98942	286.23293	331.89983	6.48316	0.0802224	0.27683684	2.3315969	21	6 17.9	19.2
297406 2000 QF_{245}	17.7	X	270.39675	55.86280	286.79456	1.58128	0.1889495	0.27267565	2.3552579	21	4 24.7	21.2
297407 2000 RZ_{21}	15.5	X	330.44844	129.21390	210.97596	8.07120	0.1740285	0.18409145	3.0604149	21	7 24.7	19.2
297408 2000 RU_{36}	17.0	X	215.54471	172.70825	179.99031	21.97219	0.2527494	0.26389215	2.4072345	21	3 17.1	21.0
297409 Mållgan	17.6	X	215.98320	62.71687	312.07723	1.17142	0.2478697	0.26633655	2.3924830	21	4 13.0	21.8
297410 2000 RR_{81}	16.0	X	292.07867	120.17730	206.27891	6.98236	0.2573262	0.17959064	3.1113361	21	4 27.6	20.3
297411 2000 RB_{107}	17.2	X	256.53654	253.89503	57.63969	2.74989	0.2099007	0.26757375	2.3851025	21	3 2.9	21.0
297412 2000 SJ_{1}	15.4	X	261.48443	110.57222	296.35948	24.52953	0.2649279	0.17905352	3.1175552	21	7 4.9	20.4
297413 2000 SE_{17}	15.5	X	315.94310	98.36322	254.70415	9.42197	0.1475877	0.18275575	3.0753085	21	7 19.9	19.4
297414 2000 SR_{18}	15.6	X	293.48423	57.35972	290.58988	11.51367	0.1423084	0.18017452	3.1046106	21	6 12.4	19.9
297415 2000 SH_{26}	15.5	X	281.06887	225.70685	182.50627	13.44942	0.2102198	0.18414863	3.0597813	21	7 31.0	20.0
297416 2000 SJ_{30}	17.3	X	234.46050	234.98260	178.40352	2.81389	0.2156346	0.27311101	2.3527543	21	6 18.9	20.9
297417 2000 SD_{42}	15.6	X	243.07151	224.49824	169.81693	8.00657	0.2082819	0.17724629	3.1387106	21	6 6.4	20.7
297418 2000 SP_{43}	18.6	X	252.60111	224.43520	350.55893	10.34568	0.4667958	1.34824238	0.8115041	21	—	—
297419 2000 SW_{45}	16.3	X	320.81308	99.86046	199.82260	17.93734	0.3657833	0.18316127	3.0707676	21	4 13.8	20.1
297420 2000 SO_{48}	15.4	X	302.18032	120.31380	242.17245	9.34313	0.1747863	0.18364020	3.0654263	21	7 7.4	19.4
297421 2000 SP_{51}	16.0	X	287.32979	140.02341	195.46094	12.73808	0.1620563	0.17892983	3.1189917	21	5 17.8	20.5
297422 2000 SO_{59}	17.7	X	233.66953	36.69891	317.13717	2.29348	0.1969938	0.26715446	2.3875974	21	4 2.7	21.6
297423 2000 SP_{59}	15.4	X	314.94088	20.72546	346.76838	5.97689	0.1417985	0.18370981	3.0646519	21	8 11.6	19.1
297424 2000 SC_{68}	17.4	X	248.55531	14.45782	34.54019	2.83397	0.2284628	0.27356699	2.3501392	21	6 25.8	20.8
297425 2000 SK_{75}	17.3	X	243.25968	263.32571	90.87726	4.10668	0.2195492	0.26773419	2.3841495	21	4 13.3	21.2
297426 2000 SZ_{82}	15.9	X	303.83132	185.46688	179.43469	17.61537	0.2324928	0.18122935	3.0925522	21	7 4.2	20.2
297427 2000 SZ_{89}	15.5	X	309.64566	86.01676	248.87633	11.88342	0.2913571	0.18311349	3.0713018	21	5 25.3	19.5
297428 2000 SB_{92}	15.2	X	266.43653	133.17180	241.86608	11.88353	0.1308670	0.18033682	3.1027476	21	6 14.2	19.8
297429 2000 SH_{94}	17.4	X	256.91826	80.06413	258.49135	4.21756	0.2105624	0.26930711	2.3748572	21	4 2.5	21.2
297430 2000 SU_{96}	16.8	X	275.41827	47.00636	265.86332	6.12415	0.1613396	0.26890438	2.3772278	21	3 22.7	20.3
297431 2000 SO_{98}	15.4	X	281.06796	43.23749	348.20421	8.93390	0.1070903	0.18157297	3.0886492	21	7 30.1	19.7
297432 2000 SD_{99}	16.7	X	173.54928	53.04041	347.25778	5.63743	0.1182014	0.26359046	2.4090709	21	4 4.4	20.4
297433 2000 SK_{109}	16.9	X	284.03078	300.10502	5.28423	4.81256	0.2384097	0.26902179	2.3765361	21	3 17.2	20.2
297434 2000 SA_{158}	15.0	X	283.16145	195.31807	227.68168	20.11331	0.2998197	0.18165946	3.0876688	21	8 3.2	19.8
297435 2000 SB_{164}	17.3	X	234.55269	269.15649	19.49359	18.66272	0.1162396	0.35283685	1.9834447	21	1 2.0	20.4
297436 2000 SS_{171}	15.3	X	239.67833	123.52387	266.27148	25.80432	0.2236489	0.17670112	3.1451632	21	5 27.1	20.6
297437 2000 SK_{173}	15.4	X	236.69815	181.02290	221.30858	23.01671	0.2052950	0.17651619	3.1473595	21	6 8.4	20.7
297438 2000 SJ_{174}	16.4	X	264.42354	105.29770	248.98958	8.79686	0.2778534	0.27087493	2.3656846	21	4 23.5	20.3
297439 2000 SX_{174}	15.6	X	282.29696	92.59022	285.26910	6.87707	0.1947594	0.17922518	3.1155642	21	6 28.5	19.9
297440 2000 SE_{175}	16.6	X	202.38429	208.59179	227.82414	11.30554	0.2156004	0.26907468	2.3762247	21	6 19.4	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
297441 2000 SJ_{188}	17.3	X	235.12706	60.65873	336.72378	0.77036	0.1770137	0.27027511	2.3691834	21	6 1.3	20.9
297442 2000 SF_{191}	12.8	X	288.26666	332.86404	21.91344	21.76341	0.0884714	0.08364936	5.1779870	21	6 22.2	19.8
297443 2000 SC_{197}	16.5	X	265.80987	7.86212	1.09820	7.30808	0.1251525	0.27324519	2.3519840	21	6 1.8	19.8
297444 2000 SE_{207}	15.6	X	321.46823	178.34063	168.38914	11.01386	0.2398989	0.18173274	3.0868386	21	7 8.9	19.2
297445 2000 SQ_{214}	17.6	X	237.42982	154.91645	212.11451	1.39921	0.2241405	0.26876699	2.3780379	21	4 22.1	21.5
297446 2000 SU_{218}	16.4	X	239.66620	326.74378	48.28243	12.37528	0.2218593	0.26863225	2.3788330	21	5 4.9	20.3
297447 2000 SF_{239}	17.8	X	213.86396	31.70172	352.35002	1.15754	0.1838976	0.26689656	2.3891352	21	4 24.4	21.7
297448 2000 SW_{240}	17.2	X	185.01048	178.01611	219.84339	20.61446	0.0770516	0.35945835	1.9590115	21	3 30.4	19.7
297449 2000 SN_{245}	17.6	X	218.56914	85.19400	293.93731	1.55221	0.1972352	0.26803577	2.3823609	21	4 21.5	21.5
297450 2000 SS_{249}	15.6	X	260.43538	268.14824	95.14861	3.96348	0.1788339	0.17686077	3.1432702	21	5 19.2	20.3
297451 2000 SC_{250}	17.0	X	245.15544	233.73930	127.68781	3.56756	0.1364017	0.26917231	2.3756500	21	4 30.2	20.4
297452 2000 SD_{252}	16.3	X	285.44139	52.72640	6.41596	14.91821	0.3445250	0.18181588	3.0858976	21	8 8.2	20.8
297453 2000 SP_{253}	17.1	X	195.06973	319.17713	68.10018	3.59785	0.1746426	0.26502553	2.4003666	21	4 13.5	21.0
297454 2000 SD_{262}	16.8	X	224.78315	12.36840	25.01866	6.52522	0.1176073	0.27076702	2.3663131	21	5 24.6	20.4
297455 2000 SZ_{267}	15.8	X	246.21448	52.06703	328.56324	7.60747	0.1545108	0.17644297	3.1482301	21	5 26.1	20.7
297456 2000 SD_{276}	15.5	X	216.13084	53.28940	35.70496	28.11635	0.2627983	0.17480384	3.1678801	21	7 19.9	21.4
297457 2000 SG_{279}	16.9	X	152.56272	61.58665	16.20813	4.60189	0.2915041	0.26083344	2.4260172	21	5 13.7	21.2
297458 2000 SO_{290}	15.7	X	312.50958	119.22032	199.37816	16.00851	0.2290295	0.18009680	3.1055037	21	5 20.0	19.8
297459 2000 SG_{292}	15.4	X	212.07677	67.26653	32.01004	10.62802	0.2857772	0.17547456	3.1598025	21	7 25.9	21.1
297460 2000 SV_{300}	17.0	X	197.99730	24.94026	354.92674	6.60323	0.1153894	0.26411155	2.4059012	21	4 3.5	20.7
297461 2000 SF_{309}	16.1	X	270.01735	105.71512	295.98486	8.25352	0.2450017	0.17914854	3.1164526	21	7 7.6	20.6
297462 2000 SV_{310}	15.2	X	261.33530	149.76501	262.43148	15.98541	0.1987833	0.17920917	3.1157498	21	7 13.9	20.1
297463 2000 SD_{318}	15.0	X	199.95243	154.98169	267.67766	15.27262	0.1309212	0.17269265	3.1936463	21	6 4.9	20.2
297464 2000 SP_{323}	16.1	X	260.31935	153.64258	193.08631	15.64280	0.0747050	0.17347804	3.1839999	21	5 12.2	20.9
297465 2000 SZ_{327}	15.3	X	295.04547	120.17969	236.59600	10.31261	0.1840486	0.17889663	3.1193775	21	6 19.1	19.5
297466 2000 SV_{329}	15.2	X	294.70761	335.42126	41.18568	16.44255	0.0938769	0.18014756	3.1049203	21	8 3.9	19.7
297467 2000 SQ_{330}	16.0	X	271.32062	339.49649	44.18879	3.75314	0.1191014	0.17872222	3.1214066	21	7 3.4	20.5
297468 2000 SV_{343}	16.8	X	199.49267	173.11673	263.71121	2.59487	0.2149629	0.27010611	2.3701715	21	6 18.0	20.6
297469 2000 SX_{343}	16.1	X	293.58555	93.54194	243.62391	12.46657	0.2970223	0.18119586	3.0929332	21	5 5.6	20.7
297470 2000 SD_{349}	16.0	X	288.30508	273.14930	107.54866	12.91563	0.2733729	0.18029710	3.1032032	21	6 28.1	20.3
297471 2000 TA_{5}	15.7	X	306.99967	323.94226	12.41509	8.44451	0.1385379	0.18032110	3.1029279	21	6 16.3	19.8
297472 2000 TT_{21}	15.2	X	242.52077	237.33821	200.27801	12.23450	0.1196573	0.17975539	3.1094346	21	8 3.1	20.1
297473 2000 TX_{21}	16.9	X	174.00274	32.46863	45.25814	8.42202	0.2035378	0.26527482	2.3988626	21	5 27.3	20.8
297474 2000 TT_{27}	15.3	X	247.15455	206.02589	212.97575	17.02105	0.1969566	0.17796836	3.1302151	21	7 7.5	20.5
297475 2000 TS_{30}	15.5	X	173.85087	273.87575	184.56747	12.50829	0.0985619	0.17360447	3.1824539	21	6 22.9	20.7
297476 2000 TX_{31}	15.5	X	232.44264	30.91884	18.99036	17.02342	0.0972959	0.17792110	3.1307694	21	6 23.4	20.6
297477 2000 TV_{41}	16.5	X	225.07384	321.70229	127.18608	7.37053	0.1995032	0.27529295	2.3403061	21	7 28.1	20.0
297478 2000 TW_{58}	15.7	X	254.46687	273.67688	158.86313	16.66671	0.2340036	0.17926903	3.1150561	21	7 29.2	20.7
297479 2000 TB_{61}	15.5	X	270.63085	358.93705	52.77630	19.54682	0.2589340	0.18018618	3.1044767	21	7 21.6	20.4
297480 2000 TC_{61}	15.3	X	230.88981	283.34991	126.48492	12.93935	0.2721174	0.17514997	3.1637051	21	6 10.9	20.9
297481 2000 TQ_{66}	17.8	X	251.64515	61.58248	334.01492	0.83136	0.1717507	0.27223932	2.3577738	21	6 17.2	21.0
297482 2000 UH_{3}	17.4	X	148.67960	36.35622	30.70745	25.26046	0.1633022	0.35630730	1.9705444	21	4 13.6	19.8
297483 2000 UA_{14}	17.0	X	265.19101	36.85392	294.28734	5.44390	0.1459033	0.26729103	2.3867840	21	4 6.7	20.4
297484 2000 UJ_{15}	17.0	X	205.15980	2.47329	42.45193	3.81091	0.1935590	0.26601996	2.3943809	21	5 13.2	20.9
297485 2000 UB_{25}	17.6	X	244.93103	224.03729	178.22252	5.61269	0.2666855	0.27109206	2.3644212	21	6 10.3	21.5
297486 2000 UL_{28}	16.4	X	161.87433	40.27291	61.32431	5.55120	0.1490385	0.26623277	2.3931047	21	6 14.9	20.2
297487 2000 UA_{33}	16.8	X	90.06219	252.88390	210.03906	5.69090	0.0827984	0.25637705	2.4540493	21	3 11.3	19.7
297488 2000 UL_{33}	15.6	X	307.30159	105.03365	216.52730	8.98099	0.0952926	0.17652932	3.1472035	21	6 4.7	19.9
297489 2000 UL_{57}	16.8	X	265.56048	102.65849	256.90565	4.87950	0.1394341	0.27067036	2.3668764	21	5 18.7	19.9
297490 2000 UK_{69}	15.5	X	287.96123	345.82083	22.97513	11.12370	0.2311467	0.17853324	3.1236090	21	6 17.6	20.0
297491 2000 UT_{93}	15.2	X	291.19212	7.71485	8.86404	9.06792	0.1816148	0.17908113	3.1172346	21	7 12.4	19.5
297492 2000 VR_{13}	15.6	X	225.76208	23.94659	55.41188	16.45812	0.2768027	0.17460603	3.1702722	21	7 10.8	21.3
297493 2000 VQ_{21}	16.2	X	217.76582	357.80726	52.15358	4.60008	0.1900213	0.17205471	3.2015356	21	6 2.9	21.5
297494 2000 VK_{22}	17.0	X	171.35069	208.57017	229.94323	8.13851	0.2150134	0.26436022	2.4043922	21	5 27.6	20.9
297495 2000 VT_{22}	15.3	X	272.34823	153.94157	228.74752	9.56120	0.2410845	0.17737419	3.1372016	21	6 16.3	20.0
297496 2000 WT_{3}	16.2	X	243.42974	84.73484	273.24894	12.36165	0.2544160	0.26691710	2.3890126	21	4 8.7	20.5
297497 2000 WG_{4}	16.3	X	113.87461	195.56976	262.08400	8.52420	0.1186659	0.25948996	2.4343836	21	4 9.8	19.6
297498 2000 WH_{45}	17.8	X	182.44150	239.17512	165.39004	2.49606	0.2347217	0.26237472	2.4165070	21	4 25.2	22.0
297499 2000 WB_{47}	17.1	X	194.21825	269.12974	126.80986	2.82009	0.2032252	0.26266205	2.4147444	21	4 24.0	21.1
297500 2000 WH_{51}	15.2	X	342.67034	293.84299	18.94789	16.06928	0.0710500	0.18058169	3.0999421	21	7 23.5	19.5
297501 2000 WV_{51}	16.9	X	248.75431	118.47435	245.98190	4.00115	0.2317900	0.26730332	2.3867109	21	4 27.7	20.6
297502 2000 WE_{67}	14.8	X	278.77255	150.73742	234.12581	27.23323	0.1860521	0.17590930	3.1545943	21	6 28.6	19.7
297503 2000 WO_{129}	16.3	X	117.67245	90.51775	41.14667	6.96803	0.0674034	0.26394137	2.4069353	21	5 26.8	19.3
297504 2000 WW_{130}	17.7	X	194.39228	191.98645	231.32949	2.61203	0.2320901	0.26527625	2.3988539	21	5 27.5	21.6
297505 2000 WM_{132}	15.5	X	258.46934	92.71058	322.72873	11.01087	0.2132001	0.17752146	3.1354663	21	7 17.7	20.3
297506 2000 WE_{188}	15.8	X	247.73263	316.47505	74.60857	6.33480	0.1951220	0.17442453	3.1724711	21	6 7.1	20.7
297507 2000 WC_{189}	17.5	X	192.54398	24.52401	15.00371	2.56575	0.2136231	0.26374198	2.4081482	21	4 25.5	21.6
297508 2000 WX_{195}	16.6	X	98.08832	74.72311	49.70450	6.54574	0.1323015	0.25592132	2.4569618	21	5 2.2	19.6
297509 2000 XW_{2}	15.4	X	233.39114	127.92912	272.25442	18.56611	0.1715607	0.17334404	3.1856405	21	6 7.0	20.5
297510 2000 XM_{4}	15.6	X	254.96856	105.65108	316.54184	8.60374	0.2448686	0.17653809	3.1470992	21	7 18.1	20.5
297511 2000 XF_{33}	15.1	X	228.52372	55.32631	36.84293	13.90796	0.2695010	0.17263244	3.1943889	21	8 1.4	20.7
297512 2000 YQ_{6}	16.8	X	102.14289	172.19744	296.38621	5.87902	0.1797883	0.25513550	2.4620042	21	4 19.8	20.1
297513 2000 YQ_{55}	17.1	X	181.69517	288.78399	119.06898	10.56534	0.2524211	0.26054042	2.4278358	21	5 2.7	21.5
297514 2000 YB_{89}	15.9	X	226.38958	247.90013	162.03535	1.89828	0.2709566	0.16996956	3.2276662	21	6 6.2	21.4
297515 2000 YW_{117}	15.8	X	346.62324	61.60939	100.99389	7.20333	0.1079391	0.24272353	2.5452364	21	—	—
297516 2001 BN_{1}	16.8	X	213.63127	227.85512	200.13636	4.18745	0.3898875	0.16968679	3.2312510	21	6 13.7	23.0
297517 2001 BO_{40}	16.8	X	343.56576	247.14055	251.48249	2.21667	0.1846807	0.23977352	2.5660704	21	—	—
297518 2001 BQ_{43}	16.2	X	336.88897	236.86479	288.58727	11.00719	0.1861875	0.24027731	2.5624823	21	—	—
297519 2001 BP_{72}	16.7	X	353.73422	340.02678	166.70116	8.50314	0.2018028	0.24152507	2.5536492	21	—	—
297520 2001 BC_{79}	16.4	X	291.79282	290.56409	266.85203	5.95844	0.1881363	0.23823853	2.5770809	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
297521 2001 CE	17.4	X	152.60272	268.39109	140.90955	4.00133	0.2219655	0.25346741	2.4727941	21	4 6.8	21.3
297522 2001 CJ_{15}	15.9	X	351.37453	186.46822	339.67476	9.30209	0.0947027	0.24348869	2.5399013	21	1 6.2	19.0
297523 2001 CD_{40}	16.3	X	313.49876	130.50573	42.60746	5.81289	0.1674641	0.23799865	2.5788122	21	—	—
297524 2001 DC_{35}	16.5	X	346.42265	206.24444	315.16012	4.06429	0.1188428	0.24220537	2.5488652	21	—	—
297525 2001 DU_{45}	15.6	X	25.34696	357.25065	161.05521	15.41251	0.0580243	0.24532262	2.5272274	21	2 16.6	18.5
297526 2001 DT_{70}	16.2	X	178.32155	72.51454	162.11168	13.21943	0.2184054	0.22426657	2.6830351	21	12 10.7	21.0
297527 2001 FP_{7}	16.4	X	153.52964	218.69059	165.79543	14.91423	0.1072819	0.24273187	2.5451781	21	2 23.9	20.2
297528 2001 FG_{20}	16.3	X	240.03435	332.82427	199.78537	13.31974	0.1862555	0.22573637	2.6713760	21	11 27.7	20.2
297529 2001 FX_{21}	16.5	X	296.07223	13.50491	175.20976	14.07089	0.2187624	0.23304768	2.6152078	21	—	—
297530 2001 FH_{31}	18.0	X	341.74303	301.96643	183.71911	28.27378	0.0901722	0.42801355	1.7438041	21	—	—
297531 2001 FL_{85}	16.7	X	272.76416	204.21647	27.82921	3.95186	0.0699308	0.23606852	2.5928496	21	—	—
297532 2001 FH_{115}	17.0	X	347.04306	341.55479	175.62591	8.06661	0.1180242	0.23833060	2.5764172	21	—	—
297533 2001 FF_{156}	16.2	X	345.60681	171.70553	351.10020	8.91363	0.0541560	0.23945428	2.5683506	21	—	—
297534 2001 HO_{38}	16.2	X	96.04028	150.13115	210.37345	10.59811	0.2615974	0.22482732	2.6785720	21	—	—
297535 2001 HN_{55}	17.0	X	73.65516	179.95410	77.08663	8.76615	0.2376545	0.30566786	2.1825768	21	10 24.2	20.1
297536 2001 KK_{4}	16.1	X	96.47955	199.68518	60.21329	13.43717	0.2321058	0.21100596	2.7942992	21	11 5.9	20.6
297537 2001 KF_{64}	16.7	X	179.63119	354.96363	225.56172	8.12586	0.2499960	0.21877381	2.7277579	21	11 22.2	21.3
297538 2001 OL_{39}	17.1	X	5.95311	294.76587	72.30911	5.78123	0.2408877	0.30114768	2.2043626	21	12 23.1	18.9
297539 2001 OY_{51}	18.0	X	18.79033	295.29392	61.44987	2.08201	0.2642594	0.30345754	2.1931623	21	—	—
297540 2001 PQ_{37}	16.1	X	5.01738	307.83865	83.11422	11.66049	0.1723335	0.20500478	2.8485688	21	12 16.3	19.2
297541 2001 PW_{41}	16.9	X	342.90235	53.37796	302.19143	6.31383	0.2214919	0.29643572	2.2276606	21	9 30.2	18.2
297542 2001 PX_{54}	18.0	X	17.95444	156.41673	158.24519	5.87313	0.2030305	0.29924907	2.2136766	21	10 20.7	19.9
297543 2001 QT_{26}	17.4	X	60.12368	115.95427	172.47914	4.30812	0.2290652	0.30117944	2.2042076	21	11 16.1	20.3
297544 2001 QA_{123}	17.5	X	47.51628	201.02159	110.74384	5.32676	0.1739336	0.30267219	2.1969544	21	11 25.5	20.1
297545 2001 QS_{128}	15.8	X	25.49951	56.76616	266.92157	6.84492	0.2091159	0.20171799	2.8794285	21	10 24.3	19.2
297546 2001 QB_{144}	16.5	X	308.20565	236.16308	177.92366	1.84453	0.0714048	0.19966617	2.8991214	21	10 10.7	20.2
297547 2001 QM_{145}	16.8	X	321.47441	177.03771	214.14047	1.21583	0.0759529	0.19792341	2.9161147	21	9 29.2	20.4
297548 2001 QH_{155}	16.2	X	22.44178	36.28083	307.75155	9.47297	0.1409001	0.20252273	2.8717956	21	11 4.0	19.9
297549 2001 QG_{203}	17.8	X	30.11484	220.55712	122.52356	7.02909	0.1817911	0.30382694	2.1913842	21	12 16.5	20.3
297550 2001 QY_{205}	16.8	X	36.66139	346.95489	328.14356	6.69727	0.0253327	0.29988693	2.2105365	21	10 16.5	19.4
297551 2001 QO_{221}	15.6	X	26.75099	126.37305	280.19166	11.38127	0.2658174	0.20969499	2.8059333	21	—	—
297552 2001 QF_{231}	17.6	X	345.95221	84.88112	291.31674	8.17884	0.1462842	0.29999297	2.2100155	21	11 8.9	19.6
297553 2001 QU_{240}	15.7	X	21.88778	334.82372	352.42208	5.90885	0.0910500	0.19884375	2.9071097	21	10 7.7	19.3
297554 2001 QE_{271}	16.0	X	27.03962	11.49074	324.83065	14.48406	0.1440075	0.20423135	2.8557561	21	10 29.5	19.9
297555 2001 QR_{271}	17.2	X	357.49774	332.86404	48.37108	4.34426	0.1892826	0.30291131	2.1957980	21	12 20.6	19.1
297556 2001 QZ_{282}	15.6	X	84.04201	34.32608	260.13216	14.39608	0.1282686	0.20632596	2.8363955	21	11 21.9	20.0
297557 2001 QV_{329}	15.7	X	58.67279	57.11053	256.35363	5.03457	0.0506836	0.20283130	2.8688823	21	11 4.5	19.6
297558 2001 QX_{329}	17.8	X	24.85959	263.26432	76.36101	2.18807	0.1792637	0.30157551	2.2022773	21	12 2.7	19.8
297559 2001 QS_{334}	15.7	X	338.16543	269.19186	87.27992	14.80753	0.1586697	0.19268078	2.9687738	21	9 13.9	19.3
297560 2001 RT_{3}	17.5	X	17.42388	342.56520	333.47287	7.45364	0.1775232	0.29821077	2.2188120	21	10 10.6	19.6
297561 2001 RA_{9}	17.3	X	305.03951	83.91761	333.49240	5.90620	0.1687962	0.29742385	2.2227239	21	10 13.9	18.9
297562 2001 RQ_{26}	17.9	X	320.05192	243.56027	125.45444	2.10870	0.1643865	0.29506613	2.2345486	21	8 30.5	19.5
297563 2001 RQ_{28}	17.7	X	320.57801	204.74086	191.84131	2.53157	0.1493819	0.29839749	2.2178863	21	10 20.1	19.2
297564 2001 RJ_{29}	17.3	X	29.77872	336.69643	357.88319	5.74670	0.1302888	0.30138229	2.2032185	21	11 22.7	19.7
297565 2001 RR_{34}	17.8	X	32.10315	15.63137	292.39530	4.80433	0.1696420	0.29971028	2.2114050	21	10 24.3	20.1
297566 2001 RT_{54}	17.6	X	307.18074	183.25431	164.35115	7.44468	0.1266164	0.29124007	2.2540764	21	7 3.1	20.1
297567 2001 RO_{64}	17.6	X	342.26984	113.44786	226.27242	6.33471	0.1895083	0.29426282	2.2386135	21	8 28.2	19.1
297568 2001 RH_{85}	17.3	X	358.96805	174.96433	195.31801	2.89100	0.1941450	0.29982539	2.2108390	21	12 6.9	19.0
297569 2001 RH_{94}	17.2	X	330.77210	180.42151	190.13837	6.82598	0.1809865	0.29513287	2.2342117	21	9 26.9	18.4
297570 2001 RA_{98}	16.6	X	260.36722	121.95025	290.87006	0.80458	0.2444066	0.18868005	3.0105930	21	7 11.1	21.2
297571 2001 RS_{98}	17.5	X	303.24298	188.25366	159.12789	23.51389	0.0901189	0.39238151	1.8478371	21	7 3.2	19.7
297572 2001 RK_{103}	16.0	X	22.86311	14.08810	337.59442	1.30797	0.0790646	0.20346947	2.8628804	21	11 9.9	19.7
297573 2001 RK_{108}	16.3	X	7.88291	31.68763	352.99724	8.74996	0.1531537	0.20413219	2.8566808	21	12 8.9	19.8
297574 2001 RO_{110}	17.4	X	43.31555	281.53981	3.81719	6.67288	0.1682703	0.29819397	2.2188953	21	10 9.3	19.8
297575 2001 RM_{116}	16.9	X	19.71141	298.12034	3.16077	7.01199	0.1084009	0.29557919	2.2319621	21	9 14.9	18.8
297576 2001 RE_{117}	18.1	X	335.94644	16.74430	345.46960	2.80062	0.1426088	0.29629272	2.2283773	21	9 25.5	19.5
297577 2001 RJ_{122}	15.6	X	71.25738	312.51730	358.89834	14.81240	0.1475262	0.20483235	2.8501673	21	11 27.4	20.1
297578 2001 RH_{143}	17.1	X	303.81803	104.68369	281.85566	5.58108	0.0891715	0.29399333	2.2399813	21	8 31.7	19.5
297579 2001 SX_{2}	17.8	X	282.14951	191.87400	173.73331	6.83690	0.2020919	0.28764310	2.2728289	21	6 8.7	20.7
297580 2001 SN_{7}	17.7	X	313.41674	232.37833	152.51051	3.27915	0.1209776	0.29635203	2.2280800	21	9 16.9	19.4
297581 2001 SW_{10}	16.2	X	325.55264	179.65384	205.02798	15.85378	0.2608018	0.19750350	2.9202465	21	9 6.9	19.1
297582 2001 SY_{12}	16.2	X	19.29832	8.00672	356.41900	9.54456	0.1486319	0.20277090	2.8694520	21	11 28.3	19.9
297583 2001 SP_{16}	17.3	X	317.12739	32.56617	8.86269	6.53387	0.1389498	0.29731206	2.2232811	21	10 18.8	19.0
297584 2001 SY_{31}	17.5	X	8.70879	298.46764	31.08910	3.59170	0.2291120	0.29689185	2.2253784	21	10 27.7	19.0
297585 2001 SM_{68}	17.3	X	247.97322	174.18030	194.66410	22.36857	0.0817372	0.38120251	1.8837888	21	5 12.0	19.6
297586 2001 SM_{77}	17.3	X	6.58518	346.62713	334.11532	5.38757	0.0952510	0.29443155	2.2377582	21	9 16.9	19.3
297587 2001 SN_{78}	16.5	X	313.81603	256.40078	161.63266	2.23509	0.0537792	0.20038812	2.8921539	21	10 25.9	20.1
297588 2001 SF_{81}	17.3	X	339.80336	219.63586	212.23204	3.65932	0.1601370	0.30586247	2.1816509	21	—	—
297589 2001 SG_{83}	17.2	X	19.91566	191.20957	209.82801	4.23570	0.0338199	0.30863833	2.1685502	21	—	—
297590 2001 SX_{84}	16.6	X	347.46454	123.59308	291.38945	1.99951	0.3330703	0.20140934	2.8823694	21	—	—
297591 2001 SL_{90}	17.5	X	0.03932	342.74978	346.87244	8.35758	0.2796708	0.19779471	2.9173796	21	9 19.5	19.8
297592 2001 SQ_{90}	16.0	X	268.33943	135.90613	281.36801	1.09166	0.0882845	0.19358130	2.9595598	21	8 16.4	20.0
297593 2001 SJ_{99}	16.2	X	278.55288	255.32053	186.03459	10.63697	0.1108229	0.19723156	2.9229302	21	9 27.6	20.0
297594 2001 SL_{104}	16.2	X	330.21974	55.08112	333.10848	6.67178	0.0851382	0.19812968	2.9140904	21	10 5.9	19.8
297595 2001 SF_{131}	16.9	X	5.35568	178.72864	191.45352	4.12560	0.1615778	0.30059445	2.2070665	21	12 12.9	18.9
297596 2001 SZ_{147}	16.0	X	280.11330	204.36242	205.47528	9.92672	0.3403050	0.19083258	2.9879113	21	7 13.9	20.6
297597 2001 SK_{156}	17.4	X	8.51031	75.51634	260.91688	3.58545	0.1623313	0.29765505	2.2215728	21	10 25.5	19.2
297598 2001 SJ_{194}	16.2	X	10.14256	152.70652	177.55703	11.30775	0.1021419	0.19781552	2.9171749	21	9 26.3	19.6
297599 2001 SU_{200}	16.8	X	341.04717	207.47171	168.40758	2.05175	0.0868473	0.19863104	2.9091847	21	10 10.0	20.3
297600 2001 SJ_{207}	18.0	X	341.24549	2.74726	356.39197	0.72886	0.1014077	0.29601233	2.2297843	21	10 1.5	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
297601 2001 SC_{215}	16.9	X	358.45834	329.95056	43.88489	4.48717	0.3572612	0.19946496	2.9010707	21	12 5.3	19.1
297602 2001 SX_{217}	17.5	X	131.56468	63.14002	172.48774	6.25516	0.1266120	0.30204714	2.1999842	21	11 12.3	20.7
297603 2001 SW_{219}	17.4	X	341.60169	302.27535	8.97958	7.74544	0.1838848	0.29127542	2.2538940	21	7 9.8	19.1
297604 2001 SU_{220}	16.4	X	293.55862	208.05558	173.54903	11.63008	0.1649575	0.19157993	2.9801357	21	7 21.5	20.5
297605 2001 SW_{223}	16.2	X	315.95927	340.95146	44.26054	2.54993	0.0935941	0.19476008	2.9476059	21	9 12.4	19.9
297606 2001 SV_{226}	15.8	X	39.53758	230.73409	70.48727	3.05721	0.0918099	0.19646709	2.9305075	21	10 2.1	19.7
297607 2001 SQ_{235}	17.9	X	343.06114	184.66518	185.25225	2.74606	0.1861966	0.29612087	2.2292394	21	10 29.8	19.2
297608 2001 SR_{239}	18.1	X	345.40158	201.96168	116.35594	1.51818	0.1952740	0.29212765	2.2495083	21	7 31.2	19.3
297609 2001 SN_{274}	15.7	X	46.04813	113.10341	190.92744	11.83273	0.0305129	0.19683515	2.9268532	21	10 4.7	19.5
297610 2001 SO_{301}	16.3	X	297.72443	91.65665	322.00779	1.82710	0.0699401	0.19669763	2.9282173	21	9 23.7	19.9
297611 2001 SN_{319}	18.0	X	58.85326	279.27563	19.75147	7.49784	0.1363711	0.30009967	2.2094917	21	11 13.4	20.7
297612 2001 SQ_{328}	18.0	X	356.43592	317.33350	355.16708	5.96439	0.2613287	0.29493069	2.2352327	21	8 28.9	18.6
297613 2001 ST_{347}	15.6	X	61.49404	351.38344	307.91268	6.87623	0.0475136	0.19763092	2.9189912	21	10 17.6	19.7
297614 2001 SZ_{348}	17.4	X	255.77757	170.55378	230.74743	7.73307	0.1116954	0.28746676	2.2737583	21	7 6.9	20.3
297615 2001 SY_{354}	17.4	X	273.69510	314.72591	91.16561	6.13178	0.1864794	0.29003067	2.2603383	21	7 29.0	20.0
297616 2001 TS_{3}	17.7	X	335.57717	326.13376	18.36686	2.91449	0.1785944	0.29251245	2.2475351	21	8 24.6	19.0
297617 2001 TZ_{16}	17.3	X	253.94078	95.56367	320.51069	4.53038	0.1579154	0.28864299	2.2675770	21	7 21.1	20.2
297618 2001 TM_{22}	17.6	X	293.79629	38.32766	5.25198	4.59477	0.1292353	0.29288686	2.2456193	21	9 7.7	19.6
297619 2001 TO_{31}	15.6	X	305.52500	86.77940	280.13866	7.94270	0.1104839	0.18785677	3.0193826	21	7 28.3	19.4
297620 2001 TQ_{32}	17.5	X	288.78045	26.27503	345.70683	4.81159	0.2037941	0.28732336	2.2745148	21	6 26.9	20.1
297621 2001 TZ_{32}	15.7	X	273.41532	109.48492	300.01711	6.96591	0.1430932	0.18737894	3.0245135	21	8 4.1	19.7
297622 2001 TB_{40}	15.9	X	332.01189	79.69669	255.81698	22.20332	0.2437371	0.28816201	2.2700995	21	7 11.0	17.7
297623 2001 TV_{50}	17.6	X	334.08388	231.50572	154.51109	3.10983	0.1587661	0.29661436	2.2267661	21	11 3.5	19.0
297624 2001 TQ_{53}	17.5	X	318.85534	327.32051	32.35053	7.25016	0.1484369	0.29184155	2.2509783	21	8 16.9	19.5
297625 2001 TC_{69}	15.9	X	26.87357	122.75994	201.85909	10.07245	0.0557712	0.19652272	2.9299545	21	10 7.9	19.7
297626 2001 TB_{70}	16.6	X	276.27381	196.73707	204.84830	4.75100	0.2110701	0.18955187	3.0013547	21	7 17.9	20.9
297627 2001 TT_{81}	15.5	X	35.40061	38.44192	274.30373	4.52756	0.0562771	0.19734063	2.9218531	21	10 2.6	19.5
297628 2001 TR_{85}	17.4	X	237.31148	134.80620	325.94929	5.03339	0.0938312	0.29254285	2.2473794	21	9 9.2	20.2
297629 2001 TC_{86}	17.0	X	222.59404	102.82679	347.84004	4.90733	0.1603386	0.28836399	2.2690394	21	8 2.2	20.3
297630 2001 TQ_{88}	17.5	X	253.05963	182.75894	212.18472	6.34050	0.1352483	0.28669911	2.2778152	21	6 22.0	20.6
297631 2001 TJ_{89}	17.1	X	204.92434	226.10631	261.24984	3.53135	0.1255588	0.29091655	2.2557472	21	9 1.9	20.4
297632 2001 TX_{90}	17.9	X	1.81873	21.06077	297.00515	2.76203	0.1822095	0.29368032	2.2415727	21	9 11.8	19.5
297633 2001 TP_{91}	16.0	X	220.79182	245.46459	212.90363	8.15184	0.2004576	0.18718405	3.0266125	21	7 31.4	21.1
297634 2001 TL_{95}	15.4	X	314.27817	316.21263	9.83046	9.47725	0.1093500	0.18681428	3.0306050	21	6 17.6	19.4
297635 2001 TJ_{122}	17.1	X	348.83018	29.35856	329.70049	6.93803	0.2040532	0.29531526	2.2332917	21	10 21.9	18.7
297636 2001 TE_{130}	16.0	X	127.98833	264.32265	216.21734	0.30926	0.1347904	0.17809343	3.1287495	21	6 5.9	20.6
297637 2001 TX_{140}	17.8	X	23.09012	200.71605	117.78078	5.38236	0.2468178	0.29881418	2.2158239	21	11 12.6	20.0
297638 2001 TM_{145}	17.0	X	310.58071	288.53140	78.23504	6.26062	0.1623365	0.29166204	2.2519018	21	8 6.9	18.9
297639 2001 TA_{148}	16.4	X	318.66742	293.03784	72.46832	6.12311	0.2605587	0.19284743	2.9670633	21	7 30.1	19.5
297640 2001 TZ_{154}	15.3	X	262.40351	325.87641	73.10851	10.98924	0.1024131	0.18743365	3.0239249	21	7 14.9	19.8
297641 2001 TF_{155}	15.9	X	292.71372	142.35989	219.81535	8.51048	0.0446112	0.18567373	3.0430032	21	7 12.6	20.2
297642 2001 TP_{157}	15.9	X	314.51294	157.14175	206.17994	8.28945	0.1077242	0.18884230	3.0088684	21	8 5.4	19.8
297643 2001 TE_{161}	17.3	X	12.25572	127.53229	211.12252	6.69383	0.0618739	0.29732681	2.2232075	21	10 21.9	19.7
297644 2001 TJ_{176}	13.3	X	240.23830	179.09061	201.10932	12.91334	0.0947739	0.08368012	5.1767180	21	5 31.2	20.5
297645 2001 TP_{181}	17.3	X	324.14067	44.45824	350.91686	6.77479	0.1733333	0.29552577	2.2322310	21	10 21.6	18.9
297646 2001 TF_{190}	16.7	X	167.71275	259.53457	225.94671	21.45875	0.2056069	0.28181755	2.3040436	21	7 17.1	21.0
297647 2001 TK_{199}	16.5	X	294.33349	218.38823	146.92722	8.65550	0.2553480	0.19060617	2.9902769	21	6 18.9	20.6
297648 2001 TO_{201}	17.4	X	321.20349	308.01984	81.06570	6.22832	0.1995678	0.29527638	2.2334878	21	10 9.1	18.8
297649 2001 TQ_{203}	17.5	X	275.09474	332.00972	91.11855	4.94497	0.2344402	0.29263327	2.2469164	21	8 18.6	20.0
297650 2001 TA_{213}	15.4	X	244.07314	176.75554	247.83992	8.23775	0.0427364	0.18800081	3.0178401	21	7 29.9	19.8
297651 2001 TY_{215}	14.9	X	17.29452	5.21054	303.85342	10.53239	0.1367505	0.19225574	2.9731479	21	9 6.8	18.5
297652 2001 TV_{228}	16.5	X	47.87972	116.45679	201.34796	12.07069	0.1347651	0.20020168	2.8939492	21	11 10.2	20.4
297653 2001 TZ_{229}	15.7	X	197.61006	265.61291	203.42912	8.62221	0.0881897	0.18814709	3.0162758	21	7 28.9	20.4
297654 2001 TN_{235}	17.3	X	313.66294	267.54834	126.27650	6.42553	0.1495192	0.29372295	2.2413557	21	10 2.0	19.1
297655 2001 TF_{240}	17.3	X	10.02993	286.23279	8.47444	5.39731	0.1507383	0.29090658	2.2557988	21	8 21.6	19.1
297656 2001 TU_{253}	17.3	X	195.15710	27.44569	48.30821	7.59904	0.0655529	0.28399497	2.2922516	21	6 14.7	20.5
297657 2001 TS_{258}	17.9	X	13.22422	264.65570	49.34105	8.11591	0.1872138	0.29526231	2.2335587	21	10 7.8	19.7
297658 2001 TL_{259}	16.1	X	279.19622	241.11747	162.83386	12.08253	0.0898883	0.19202291	2.9755507	21	8 12.0	20.3
297659 2001 TR_{261}	15.8	X	48.78238	8.88371	206.37508	12.55712	0.0330318	0.18238304	3.0794968	21	6 14.0	20.2
297660 2001 UE_{25}	15.6	X	336.12988	92.13951	239.98862	10.95548	0.2850840	0.19298512	2.9656518	21	7 12.1	18.4
297661 2001 UT_{27}	17.5	X	317.50046	326.17301	45.57350	4.93746	0.1217128	0.29311510	2.2444534	21	9 5.6	19.4
297662 2001 UT_{36}	16.0	X	264.56386	220.01248	168.51047	10.33346	0.2743842	0.18643380	3.0347269	21	6 12.5	21.0
297663 2001 US_{45}	17.5	X	288.50096	338.63994	54.27872	5.20714	0.1158598	0.28984650	2.2612956	21	8 16.1	19.9
297664 2001 UP_{53}	16.1	X	247.37322	282.48054	125.56584	2.44277	0.1882835	0.18542994	3.0456698	21	6 28.2	20.8
297665 2001 UJ_{56}	15.7	X	273.89759	79.86539	345.03749	9.12984	0.0991618	0.19234648	2.9722127	21	9 1.9	19.8
297666 2001 US_{67}	17.7	X	327.45103	267.00565	70.44065	3.33313	0.2026573	0.29089290	2.2558695	21	7 17.2	19.1
297667 2001 UJ_{79}	15.9	X	338.36881	309.93657	40.70796	12.56731	0.1442482	0.19215682	2.9741681	21	9 5.6	19.5
297668 2001 UK_{79}	15.1	X	152.11089	276.96688	215.13618	20.32832	0.0851477	0.18269446	3.0759962	21	7 7.6	20.2
297669 2001 UC_{81}	15.1	X	355.31690	118.28821	214.99490	14.43346	0.1096504	0.19156326	2.9803086	21	8 30.6	19.0
297670 2001 UO_{81}	17.5	X	319.61211	283.79605	80.45998	3.28795	0.1760692	0.29135915	2.2534622	21	8 20.2	19.1
297671 2001 UA_{88}	17.9	X	307.07940	339.33325	43.87458	4.51905	0.0204945	0.29240431	2.2480892	21	9 14.5	20.3
297672 2001 UL_{95}	17.7	X	358.00375	104.31176	235.65822	4.87584	0.1794403	0.29403922	2.2397483	21	10 10.2	19.4
297673 2001 UJ_{108}	17.4	X	288.86274	348.52967	82.53426	2.73259	0.1245323	0.29358263	2.2420699	21	10 13.1	19.4
297674 2001 UD_{114}	15.7	X	10.77385	273.41321	42.66923	13.65752	0.1318107	0.19222974	2.9734159	21	9 17.2	19.4
297675 2001 UJ_{119}	17.7	X	291.28439	356.00182	52.00670	2.47759	0.2069968	0.29093984	2.2556268	21	8 27.2	19.6
297676 2001 UT_{131}	17.4	X	290.82027	348.67958	52.58051	4.61814	0.1181736	0.29063273	2.2572156	21	9 1.9	19.7
297677 2001 UG_{135}	15.8	X	315.41965	261.80638	100.91476	3.80146	0.1115557	0.18921348	3.0049322	21	8 9.3	19.5
297678 2001 UW_{139}	17.0	X	310.96031	107.22290	239.88804	7.52464	0.2297634	0.28783009	2.2718444	21	6 20.5	19.1
297679 2001 UK_{144}	17.8	X	276.75201	258.13215	143.07678	2.82428	0.1514256	0.28889327	2.2662671	21	7 31.3	20.4
297680 2001 US_{144}	15.5	X	338.37726	266.72920	44.66194	11.71062	0.1466707	0.18709673	3.0275542	21	7 4.7	19.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
297681 2001 UF_{148}	16.8	X	281.54091	0.44155	49.38054	2.68373	0.2171969	0.18976710	2.9990850	21	8 5.7	20.8
297682 2001 UK_{159}	15.5	X	285.89293	190.86623	228.43569	12.84746	0.1546573	0.18977177	2.9990357	21	8 27.2	19.7
297683 2001 UD_{171}	15.9	X	334.79972	29.15012	26.47307	12.41134	0.0941037	0.19837053	2.9117312	21	11 18.1	19.5
297684 2001 UC_{173}	17.1	X	264.73855	230.28545	181.70441	5.66810	0.1512373	0.28859969	2.2678038	21	7 28.5	19.9
297685 2001 UU_{174}	18.0	X	258.92236	88.51141	349.92537	1.89268	0.2200269	0.29102115	2.2552067	21	8 19.2	20.8
297686 2001 UD_{183}	16.1	X	48.67024	275.29425	27.40930	11.36391	0.0874847	0.19743147	2.9209568	21	10 15.3	19.9
297687 2001 UL_{204}	17.2	X	336.64581	109.36172	244.69763	4.74512	0.1584213	0.29270267	2.2465613	21	9 9.5	18.9
297688 2001 UO_{206}	17.3	X	19.73655	251.20506	75.87868	6.97724	0.2351447	0.29837477	2.2179989	21	11 16.6	19.3
297689 2001 UC_{207}	17.8	X	13.23724	295.46282	26.74770	4.53115	0.1645157	0.29594424	2.2301263	21	10 13.9	19.4
297690 2001 UZ_{217}	16.2	X	278.04916	205.52884	207.78708	9.05894	0.1056298	0.19017845	2.9947588	21	8 18.4	20.4
297691 2001 UE_{220}	17.2	X	215.93864	102.07219	315.98269	4.53649	0.1368708	0.28210418	2.3024826	21	6 11.5	20.6
297692 2001 UN_{228}	13.5	X	322.44567	131.85311	169.58901	14.54973	0.1121742	0.08250964	5.2255611	21	6 4.4	20.2
297693 2001 UR_{230}	16.6	X	358.16924	198.37830	123.13178	6.97467	0.1774949	0.19321304	2.9633191	21	8 28.9	19.6
297694 2001 UU_{230}	16.0	X	280.82694	219.74104	181.66188	13.58640	0.1008600	0.18991384	2.9975399	21	8 7.7	20.3
297695 2001 VK_{34}	17.3	X	339.41384	299.79504	74.86619	2.73563	0.3166842	0.29478250	2.2359817	21	11 12.9	17.5
297696 2001 VT_{37}	17.1	X	259.95775	200.99491	243.47397	6.74881	0.0737231	0.29098441	2.2553965	21	9 18.5	19.9
297697 2001 VS_{39}	15.7	X	330.65133	305.01912	62.49802	13.96840	0.2303235	0.19132341	2.9827989	21	9 9.6	18.9
297698 2001 VX_{41}	17.3	X	315.78883	97.88758	255.41824	3.74067	0.1640592	0.28765824	2.2727492	21	7 22.4	19.3
297699 2001 VJ_{49}	15.2	X	183.75630	201.80697	245.99766	14.23049	0.2478514	0.18103719	3.0947401	21	6 19.2	20.7
297700 2001 VQ_{54}	17.4	X	255.17102	126.17060	288.09269	5.59353	0.1356713	0.28721755	2.2750733	21	7 22.3	20.3
297701 2001 VF_{72}	15.5	X	69.09698	306.83178	87.78399	16.41469	0.1572619	0.20904099	2.8117827	21	—	—
297702 2001 VT_{74}	18.0	X	295.78611	354.91580	49.63585	2.57495	0.1458607	0.29125604	2.2539940	21	9 10.4	20.1
297703 2001 VD_{79}	17.2	X	299.18097	121.85579	266.71468	2.52212	0.1628441	0.29002568	2.2603642	21	8 16.2	19.2
297704 2001 VL_{82}	15.8	X	13.81228	90.55805	240.72827	11.08825	0.1431118	0.19655844	2.9295995	21	10 3.2	19.4
297705 2001 VN_{82}	16.1	X	292.82894	145.10277	215.27669	8.39670	0.0996305	0.18606043	3.0387854	21	7 2.9	20.4
297706 2001 VJ_{91}	15.8	X	263.18504	311.23119	114.60487	12.90327	0.1869712	0.18754373	3.0227415	21	8 7.9	20.2
297707 2001 VF_{92}	15.9	X	315.81925	196.08805	193.70572	13.17241	0.2084101	0.19150357	2.9809279	21	8 31.5	19.4
297708 2001 VC_{103}	17.4	X	218.91318	116.01542	4.98050	2.90756	0.1051943	0.28909497	2.2652129	21	9 13.9	20.1
297709 2001 VL_{107}	17.2	X	325.91165	78.53967	248.69686	5.95511	0.1483226	0.28653423	2.2786889	21	7 2.7	19.2
297710 2001 VY_{110}	15.5	X	222.35415	159.00276	262.50293	7.95210	0.0736131	0.18144127	3.0901436	21	6 29.2	20.1
297711 2001 VP_{112}	17.0	X	280.64727	119.08387	260.31184	8.58604	0.1506375	0.28577317	2.2827328	21	7 3.9	19.8
297712 2001 VS_{118}	17.0	X	200.57864	89.63289	50.96598	6.63090	0.1270346	0.28819995	2.2699003	21	9 20.2	20.3
297713 2001 VR_{122}	17.1	X	285.81683	333.20672	74.94011	6.86234	0.1705735	0.29053434	2.2577252	21	8 26.6	19.4
297714 2001 VY_{123}	17.0	X	281.71157	94.88467	317.39366	3.99560	0.0532439	0.29021038	2.2594050	21	9 9.8	19.5
297715 2001 VZ_{123}	15.8	X	274.15871	13.50411	15.54418	6.02483	0.1654583	0.18630966	3.0360748	21	7 7.8	20.1
297716 2001 VG_{125}	15.9	X	259.37636	330.29198	66.70275	9.06294	0.2880743	0.18312930	3.0711250	21	6 15.4	20.8
297717 2001 VO_{126}	17.4	X	319.45748	133.47844	240.57607	6.24513	0.1196289	0.29039075	2.2584693	21	9 6.1	19.5
297718 2001 WN_{12}	15.7	X	282.95726	309.08886	87.21832	15.68232	0.1463393	0.18688848	3.0298028	21	8 1.9	20.0
297719 2001 WQ_{12}	16.8	X	300.47845	196.69676	211.98857	11.25056	0.2954316	0.19059145	2.9904309	21	8 13.9	20.7
297720 2001 WS_{15}	16.8	X	238.36753	45.82489	32.19472	7.05583	0.1052195	0.28518261	2.2858831	21	8 11.5	19.9
297721 2001 WT_{16}	16.2	X	312.86317	2.94040	24.11085	5.99523	0.2351007	0.19267469	2.9688364	21	8 23.9	19.5
297722 2001 WB_{20}	17.7	X	248.19467	68.22545	14.99390	3.21059	0.1923322	0.28914328	2.2649606	21	8 17.4	20.6
297723 2001 WJ_{23}	17.8	X	244.48911	208.53169	220.00813	6.26535	0.0503303	0.28920716	2.2646270	21	8 8.2	20.7
297724 2001 WD_{28}	16.5	X	355.65447	145.80217	209.01000	7.67097	0.1625321	0.29381868	2.2408689	21	10 29.7	18.2
297725 2001 WG_{30}	16.6	X	52.39261	21.15407	209.17851	4.96519	0.1136542	0.28278007	2.2988123	21	7 20.7	19.1
297726 2001 WN_{31}	16.0	X	267.44113	203.24836	224.37910	10.18743	0.0404657	0.18898750	3.0073270	21	8 31.5	20.4
297727 2001 WB_{33}	15.4	X	261.97512	326.65105	83.90168	11.34634	0.0924885	0.18594891	3.0400003	21	7 31.9	19.8
297728 2001 WD_{34}	16.1	X	283.96730	316.51475	79.73480	10.83195	0.1308045	0.18738218	3.0244787	21	8 6.0	20.3
297729 2001 WK_{44}	18.4	X	315.77090	302.61059	75.00602	1.97483	0.2274561	0.29195998	2.2503695	21	8 26.1	19.6
297730 2001 WF_{48}	15.5	X	332.76128	268.03640	101.11602	12.23426	0.1387347	0.19186980	2.9771334	21	9 20.4	19.1
297731 2001 WK_{55}	15.9	X	344.73746	127.89357	238.05978	3.52826	0.0997544	0.19349790	2.9604101	21	9 30.0	19.5
297732 2001 WE_{57}	16.4	X	340.15562	129.90385	233.74939	9.37396	0.0842683	0.19214902	2.9742486	21	9 16.8	20.2
297733 2001 WC_{70}	16.3	X	333.00360	295.93648	55.23787	13.01881	0.1702832	0.19096273	2.9865535	21	8 25.1	19.9
297734 2001 WL_{79}	16.5	X	236.83245	246.43047	172.80049	1.90676	0.1030893	0.18338154	3.0683081	21	7 9.7	21.1
297735 2001 WZ_{80}	17.7	X	327.79682	245.28553	95.81837	1.71467	0.2428384	0.28924729	2.2644176	21	7 17.5	18.8
297736 2001 WR_{96}	15.8	X	180.56958	186.66516	235.81166	11.53601	0.0639642	0.17714822	3.1398689	21	5 16.1	20.3
297737 2001 XB_{2}	16.6	X	251.34198	88.84509	357.87035	23.96968	0.2466426	0.28886947	2.2663916	21	8 27.0	20.0
297738 2001 XM_{2}	15.1	X	235.96200	81.32772	331.83107	20.23071	0.2112144	0.18249787	3.0782048	21	6 23.8	20.5
297739 2001 XR_{10}	16.3	X	313.70419	305.27628	58.20040	1.74465	0.1433412	0.18917974	3.0052894	21	8 3.3	20.0
297740 2001 XT_{11}	17.3	X	301.92351	58.48611	278.23598	16.49078	0.0964309	0.38331324	1.8768670	21	6 9.3	18.8
297741 2001 XK_{12}	15.7	X	165.09791	194.07151	287.41244	12.43875	0.0828708	0.17952384	3.1121077	21	7 12.2	20.5
297742 2001 XN_{12}	17.2	X	128.41289	131.34041	14.27836	5.68110	0.1543365	0.27726782	2.3291801	21	7 10.7	20.6
297743 2001 XH_{13}	15.3	X	162.34169	128.72494	306.87026	16.52046	0.1857908	0.17212796	3.2006272	21	5 14.5	20.9
297744 2001 XQ_{13}	15.9	X	164.50974	175.74530	332.76790	11.29310	0.2965568	0.17589094	3.1548138	21	8 17.9	21.6
297745 2001 XW_{13}	17.4	X	308.50407	354.41355	29.23499	3.75645	0.1809106	0.28905078	2.2654438	21	8 27.5	19.1
297746 2001 XC_{15}	15.8	X	318.79115	4.00967	39.41005	13.19045	0.1328469	0.19274839	2.9680796	21	10 10.5	19.3
297747 2001 XY_{35}	17.9	X	234.12908	63.76761	14.68846	4.37846	0.2026629	0.28451270	2.2894700	21	7 24.7	21.4
297748 2001 XU_{37}	15.6	X	162.27062	173.49362	318.38806	9.17926	0.2043923	0.17810979	3.1285578	21	7 26.3	20.8
297749 2001 XO_{44}	15.6	X	195.28033	70.04735	28.41878	9.56949	0.0720025	0.17797772	3.1301054	21	7 18.2	20.5
297750 2001 XL_{60}	16.8	X	259.99725	314.67413	108.79179	6.33835	0.1003190	0.28526986	2.2854170	21	8 19.1	19.5
297751 2001 XL_{63}	15.3	X	249.64223	154.94417	275.70658	11.29436	0.2365950	0.18319910	3.0703449	21	7 21.7	20.2
297752 2001 XJ_{71}	15.1	X	265.28940	164.93170	220.01671	11.48389	0.0892590	0.18200497	3.0837599	21	6 30.0	19.7
297753 2001 XB_{79}	15.8	X	292.09101	296.61969	82.83233	12.61313	0.1180110	0.18584339	3.0411509	21	7 27.2	19.9
297754 2001 XL_{79}	15.5	X	246.76441	323.89169	85.37697	10.65367	0.1256648	0.18360410	3.0658281	21	7 6.0	20.0
297755 2001 XX_{80}	16.9	X	176.37979	257.42043	248.51926	6.41791	0.1190159	0.28374157	2.2936162	21	8 25.4	20.3
297756 2001 XJ_{91}	15.8	X	285.34436	11.83680	58.38604	10.65863	0.1531040	0.19092052	2.9869937	21	9 21.8	19.8
297757 2001 XX_{93}	16.7	X	192.12749	126.38794	35.95861	5.58270	0.0851674	0.29102621	2.2551805	21	10 11.5	19.7
297758 2001 XJ_{95}	17.0	X	337.47010	291.90603	66.00987	7.81828	0.1369867	0.29052120	2.2577932	21	9 26.8	18.9
297759 2001 XN_{110}	15.6	X	249.04967	178.49441	242.92471	8.20605	0.1132505	0.18409128	3.0604168	21	7 23.1	20.3
297760 2001 XR_{127}	15.7	X	306.12186	288.75348	72.27219	11.68636	0.1292669	0.18619047	3.0373703	21	7 21.5	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
297761 2001 XU_{130}	16.9	X	277.55764	202.99045	210.84978	3.21606	0.2289410	0.18756933	3.0224665	21	8 1.7	21.2
297762 2001 XB_{132}	15.8	X	306.32497	280.51809	74.22757	12.88220	0.2430202	0.18698473	3.0287630	21	6 23.3	19.6
297763 2001 XC_{141}	16.2	X	282.30987	326.21201	118.73033	1.78484	0.1139825	0.19215994	2.9741359	21	10 7.4	20.0
297764 2001 XZ_{141}	16.6	X	148.56499	294.94815	237.31988	4.57328	0.0996065	0.28466089	2.2886753	21	8 31.6	20.0
297765 2001 XH_{142}	17.3	X	211.41684	10.68981	89.15282	4.45871	0.1097463	0.28394008	2.2925470	21	8 6.5	20.4
297766 2001 XF_{151}	17.8	X	289.19122	157.35082	229.91944	1.86161	0.1700854	0.28662754	2.2781944	21	7 26.1	20.0
297767 2001 XG_{154}	15.9	X	249.56860	310.86646	88.18924	12.51925	0.1041829	0.18062502	3.0994463	21	6 28.6	20.4
297768 2001 XE_{169}	17.5	X	224.07847	143.04206	260.55682	3.83478	0.1957412	0.27928501	2.3179512	21	5 28.2	21.0
297769 2001 XE_{172}	16.8	X	135.38348	273.24431	257.61393	2.43141	0.0989164	0.28013539	2.3132579	21	8 15.6	19.9
297770 2001 XD_{173}	16.4	X	308.49896	94.90699	260.81676	5.84922	0.1648779	0.28385872	2.2929851	21	7 11.6	18.6
297771 2001 XY_{176}	15.8	X	246.21104	345.66886	104.99844	11.26058	0.1439293	0.18362450	3.0656010	21	8 27.6	20.4
297772 2001 XG_{185}	17.0	X	186.31579	240.55199	239.01011	1.93656	0.1637460	0.28057623	2.3108343	21	8 1.7	20.6
297773 2001 XD_{187}	17.1	X	301.77941	269.19177	110.95388	5.76111	0.1979337	0.28633737	2.2797332	21	8 2.8	19.2
297774 2001 XE_{187}	17.5	X	204.33217	281.46083	153.90505	2.94574	0.1488075	0.27835268	2.3231243	21	6 22.6	21.1
297775 2001 XD_{195}	15.7	X	219.19499	281.88200	122.84342	15.40632	0.2189312	0.17549193	3.1595940	21	5 31.2	21.2
297776 2001 XY_{219}	17.9	X	270.42074	58.04637	2.25697	2.79439	0.1487272	0.28884054	2.2665429	21	8 20.9	20.5
297777 2001 XY_{220}	15.6	X	269.84590	327.55013	62.70520	11.18345	0.0564200	0.18409675	3.0603561	21	7 20.6	20.0
297778 2001 XT_{222}	16.1	X	0.74965	309.84573	44.56697	2.42881	0.1101060	0.19363465	2.9590162	21	10 13.5	19.4
297779 2001 XC_{228}	17.6	X	273.99933	40.25607	358.14835	2.54795	0.1670475	0.28651355	2.2787986	21	7 21.2	20.3
297780 2001 XA_{231}	15.9	X	263.94868	338.13569	16.79869	3.06527	0.2217057	0.18077413	3.0977417	21	5 6.2	20.6
297781 2001 XH_{237}	17.0	X	331.05533	72.57799	276.29039	6.20068	0.1466653	0.28767819	2.2726441	21	8 18.0	18.9
297782 2001 XZ_{241}	16.5	X	290.06646	173.67924	256.29915	3.65058	0.1069930	0.19076265	2.9886415	21	9 27.1	20.4
297783 2001 XB_{246}	15.5	X	260.24099	237.62332	205.73475	12.01978	0.1976641	0.18771133	3.0209420	21	8 20.4	20.2
297784 2001 XT_{249}	17.3	X	313.77189	285.56567	94.15589	7.37352	0.1530968	0.28931518	2.2640633	21	9 8.1	19.3
297785 2001 XB_{250}	17.7	X	233.77111	166.63631	265.83868	4.92703	0.1818890	0.28329690	2.2960156	21	7 16.2	20.9
297786 2001 XO_{262}	16.3	X	264.45356	311.25091	89.41813	1.20082	0.1663940	0.18558259	3.0439994	21	7 10.0	20.7
297787 2001 YJ_{10}	16.5	X	267.64278	110.51747	294.13968	7.41711	0.0935967	0.28306153	2.2972882	21	7 31.8	19.3
297788 2001 YZ_{12}	16.3	X	208.95139	235.63202	250.51854	3.89034	0.1837560	0.18449802	3.0559171	21	8 25.3	21.3
297789 2001 YR_{14}	16.3	X	301.88877	187.52555	181.75486	0.89499	0.1876550	0.18657005	3.0332492	21	7 15.4	19.9
297790 2001 YG_{17}	15.3	X	178.03803	166.07693	290.58873	14.78704	0.0739628	0.17632954	3.1495801	21	6 25.9	20.0
297791 2001 YE_{22}	18.0	X	280.29077	157.82273	267.49677	4.45769	0.2120837	0.28962977	2.2624236	21	8 29.4	20.4
297792 2001 YY_{30}	17.5	X	257.80962	315.74043	76.19532	3.50503	0.1803457	0.28320245	2.2965261	21	6 17.9	20.5
297793 2001 YB_{47}	17.0	X	266.81476	7.62259	52.00826	4.69546	0.1012595	0.28634520	2.2796917	21	8 24.3	19.6
297794 2001 YC_{58}	16.8	X	105.16922	258.97942	288.25917	5.35964	0.1710712	0.27787864	2.3257656	21	8 10.2	20.1
297795 2001 YO_{76}	17.9	X	265.51454	107.57931	331.00162	2.71634	0.1821258	0.28758265	2.2731474	21	9 2.7	20.7
297796 2001 YM_{82}	16.7	X	146.46898	173.64400	311.29702	6.59661	0.0600061	0.27548295	2.3392299	21	6 24.1	19.9
297797 2001 YE_{86}	17.3	X	158.32592	63.64312	56.69597	3.03394	0.1751311	0.27580296	2.3374201	21	7 7.8	20.9
297798 2001 YO_{98}	15.6	X	160.98938	251.04913	248.21741	3.92572	0.0979861	0.18021278	3.1041711	21	7 29.5	20.4
297799 2001 YM_{110}	15.9	X	292.77443	324.15335	88.29483	11.57992	0.2403612	0.18658007	3.0331407	21	8 24.5	19.9
297800 2001 YO_{122}	17.4	X	260.10019	108.10474	356.19109	4.17986	0.1661346	0.29100958	2.2552664	21	10 4.9	19.8
297801 2001 YD_{131}	17.0	X	227.82509	39.70157	54.03051	6.14501	0.0514754	0.28298350	2.2977105	21	8 27.3	19.9
297802 2001 YB_{145}	17.6	X	259.15208	98.96559	330.21233	1.27788	0.1439722	0.28512839	2.2861729	21	8 17.4	20.3
297803 2002 AH_{7}	15.6	X	245.49658	181.21167	211.88107	8.45846	0.0970965	0.17477125	3.1682740	21	6 17.4	20.4
297804 2002 AQ_{27}	15.8	X	224.99266	80.38125	22.49395	7.78310	0.1969667	0.18033575	3.1027599	21	8 15.5	20.9
297805 2002 AQ_{30}	17.7	X	307.91378	200.43113	201.31696	0.79713	0.2149017	0.28922337	2.2645424	21	9 18.4	19.2
297806 2002 AQ_{31}	16.7	X	197.33130	347.82974	320.12428	17.11533	0.0613839	0.35676688	1.9688518	21	—	—
297807 2002 AH_{43}	15.6	X	165.30236	10.77102	112.34480	11.19601	0.0332005	0.17661269	3.1462129	21	7 13.1	20.2
297808 2002 AT_{51}	15.8	X	284.84880	277.93725	131.43727	5.28709	0.2858446	0.18492570	3.0512037	21	7 28.6	19.9
297809 2002 AB_{57}	17.5	X	207.76891	144.23016	287.51524	1.33587	0.1909645	0.27740086	2.3284353	21	6 19.4	21.1
297810 2002 AC_{76}	15.5	X	272.50663	60.50930	295.13385	10.30249	0.0934647	0.17585676	3.1552226	21	6 1.8	20.1
297811 2002 AY_{79}	17.2	X	23.23208	234.53259	315.11370	1.58083	0.1370918	0.26526245	2.3989371	21	3 24.6	19.4
297812 2002 AN_{80}	16.3	X	248.35246	345.15370	49.83887	1.53950	0.2051741	0.17937061	3.1138799	21	6 11.4	21.2
297813 2002 AP_{87}	15.7	X	264.59292	288.13312	140.56528	13.48652	0.1943200	0.18302801	3.0722580	21	8 10.8	20.2
297814 2002 AP_{93}	17.1	X	239.14463	132.58071	295.44075	6.80032	0.0666295	0.28110831	2.3079174	21	7 30.3	20.0
297815 2002 AF_{98}	17.2	X	185.63615	116.54933	348.93387	2.32055	0.1638330	0.27799110	2.3251383	21	7 14.3	20.9
297816 2002 AG_{101}	15.8	X	217.13026	330.21564	95.80671	7.26293	0.1958381	0.17779624	3.1322349	21	6 21.7	21.0
297817 2002 AU_{101}	17.4	X	104.22213	213.17082	305.01942	4.97839	0.1557782	0.27225444	2.3576866	21	6 29.4	20.5
297818 2002 AF_{104}	17.0	X	180.73642	156.82279	300.24483	3.69245	0.0974440	0.27636622	2.3342431	21	6 27.9	20.2
297819 2002 AN_{117}	14.9	X	190.48056	167.31631	317.87197	8.18855	0.1223676	0.17648056	3.1477831	21	8 11.4	19.9
297820 2002 AY_{119}	17.2	X	188.86993	353.44137	112.27713	4.12605	0.1250292	0.27732381	2.3288666	21	7 18.3	20.5
297821 2002 AW_{131}	15.0	X	235.95177	185.32235	281.25384	18.77122	0.1029312	0.18520857	3.0480962	21	8 27.7	19.9
297822 2002 AF_{136}	16.6	X	354.51506	312.59281	257.45096	4.38133	0.1252933	0.26440451	2.4041237	21	2 27.5	19.1
297823 2002 AU_{143}	15.4	X	247.04591	115.71306	281.99961	7.89564	0.0740991	0.17678333	3.1441881	21	6 27.9	19.9
297824 2002 AK_{149}	16.4	X	298.45038	180.92315	111.62238	7.44580	0.1136595	0.26953506	2.3735180	21	4 6.9	19.5
297825 2002 AA_{150}	15.1	X	287.33228	268.02438	110.07291	26.84468	0.2333377	0.18211045	3.0825690	21	6 30.5	19.4
297826 2002 AQ_{151}	15.4	X	207.08975	325.91276	123.31877	11.41098	0.0979540	0.17517340	3.1634231	21	7 15.7	20.2
297827 2002 AE_{158}	15.2	X	234.15850	108.25911	301.17058	14.03019	0.1131341	0.17505800	3.1648131	21	6 24.9	20.2
297828 2002 AS_{163}	17.3	X	172.15962	153.70782	293.87621	3.21389	0.2136373	0.27342567	2.3509489	21	6 8.2	21.1
297829 2002 AW_{167}	15.4	X	250.85655	293.39158	151.58364	16.87508	0.2309136	0.18042668	3.1017173	21	8 10.9	20.3
297830 2002 AK_{180}	17.2	X	9.74480	260.68135	291.06199	3.90227	0.1694505	0.26307913	2.4121915	21	2 24.9	19.5
297831 2002 AB_{183}	17.1	X	170.29346	164.37197	262.43799	5.06425	0.1298812	0.27114200	2.3641309	21	5 6.4	20.5
297832 2002 AJ_{186}	15.8	X	271.29312	332.50909	77.71989	11.72994	0.2951919	0.18393778	3.0621192	21	7 13.4	20.5
297833 2002 AG_{190}	16.5	X	178.77609	64.54257	39.59401	1.14320	0.1389352	0.17601111	3.1533778	21	7 5.5	21.4
297834 2002 AH_{196}	17.4	X	330.35710	294.02793	284.76358	4.33913	0.0770721	0.26264022	2.4148782	21	2 10.6	20.3
297835 2002 AL_{202}	17.7	X	195.60373	320.66661	147.22466	3.94994	0.1567814	0.27892728	2.3199327	21	7 26.7	21.1
297836 2002 AM_{208}	17.0	X	133.29292	212.85740	289.83729	4.81996	0.0563296	0.27427570	2.3460891	21	7 1.6	20.0
297837 2002 BX	16.8	X	264.65209	85.71469	314.31454	22.02073	0.3244160	0.28240023	2.3008732	21	6 22.1	20.7
297838 2002 BT_{14}	15.8	X	186.10598	314.71490	150.28642	14.06611	0.2772328	0.17469969	3.1691391	21	7 11.2	21.6
297839 2002 BE_{17}	15.9	X	188.43045	76.22620	157.49200	28.78817	0.3665914	0.23504702	2.6003564	21	12 13.1	21.3
297840 2002 BE_{19}	16.8	X	239.00501	85.36352	10.42131	7.58096	0.1555579	0.28319532	2.2965646	21	8 29.9	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
297841 2002 BK_{22}	15.7	X	227.39975	105.49897	305.39723	10.06361	0.2220845	0.17630041	3.1499271	21	6 10.5	21.1
297842 2002 BK_{27}	15.2	X	275.70201	0.19194	64.34271	11.35551	0.1082155	0.18401885	3.0612198	21	9 7.5	19.6
297843 2002 BS_{29}	15.4	X	257.77127	97.92231	334.19695	15.29441	0.2043841	0.18360404	3.0658288	21	8 9.1	20.0
297844 2002 CJ_{3}	17.2	X	152.49730	114.59750	17.74879	4.77149	0.1755980	0.27446057	2.3450355	21	7 19.1	20.9
297845 2002 CC_{5}	17.7	X	220.02470	108.89654	325.85349	6.98881	0.2395347	0.27960446	2.3161854	21	7 2.7	21.6
297846 2002 CA_{7}	15.9	X	209.40797	71.38934	34.03881	25.82724	0.2869569	0.18002755	3.1063000	21	8 7.7	21.8
297847 2002 CH_{7}	16.8	X	249.12676	63.62005	11.45483	23.12395	0.2886281	0.28494696	2.2871432	21	8 4.9	20.8
297848 2002 CS_{7}	16.8	X	154.91259	96.45889	0.85006	1.43620	0.1465203	0.27035387	2.3687232	21	6 1.8	20.4
297849 2002 CR_{8}	16.0	X	136.12880	251.42678	262.49656	2.76848	0.0925280	0.17389035	3.1789649	21	7 21.8	20.8
297850 2002 CW_{8}	17.3	X	15.31139	253.17865	289.81192	5.16021	0.1283619	0.26175447	2.4203229	21	2 26.1	19.6
297851 2002 CM_{10}	17.7	X	154.17890	112.64112	351.86542	20.26457	0.0611828	0.37225569	1.9138526	21	5 23.4	20.4
297852 2002 CL_{19}	16.9	X	224.56415	77.68201	348.33590	6.41158	0.1046780	0.27771363	2.3266867	21	7 6.0	20.1
297853 2002 CY_{22}	17.1	X	194.05935	345.08938	131.08352	4.20487	0.1853236	0.27804262	2.3248511	21	8 4.5	20.5
297854 2002 CW_{24}	17.2	X	269.75655	327.15982	338.50330	6.32576	0.1272473	0.26347161	2.4097954	21	3 13.8	20.7
297855 2002 CQ_{25}	17.5	X	226.44640	86.55607	320.65924	18.97945	0.0902210	0.37486521	1.9049604	21	6 8.9	20.2
297856 2002 CF_{27}	17.0	X	140.45590	123.32287	345.60816	5.92527	0.1869447	0.27194364	2.3594826	21	6 4.7	20.8
297857 2002 CU_{27}	15.6	X	230.72576	131.33858	80.84522	5.41233	0.0980309	0.24592904	2.5230712	21	—	—
297858 2002 CS_{35}	15.8	X	230.86758	44.15040	59.65649	6.73805	0.1741387	0.17967911	3.1103146	21	8 24.1	20.7
297859 2002 CB_{53}	17.3	X	34.66027	175.32078	17.38909	1.80426	0.1052103	0.26541936	2.3979916	21	4 20.9	19.6
297860 2002 CY_{55}	16.5	X	194.45984	124.30847	330.71911	6.06413	0.2104668	0.27579363	2.3374728	21	7 8.2	20.3
297861 2002 CP_{58}	16.0	X	205.34554	45.49006	347.00916	23.77491	0.2319425	0.26942597	2.3741587	21	4 15.3	20.5
297862 2002 CY_{68}	18.1	X	178.72717	10.42633	101.64470	3.02461	0.1624840	0.27689086	2.3312936	21	7 16.1	21.5
297863 2002 CF_{73}	17.5	X	126.25844	146.86405	349.96133	1.71056	0.1427328	0.27148381	2.3621461	21	6 24.1	20.9
297864 2002 CN_{75}	15.5	X	242.29687	260.78604	135.84415	25.75518	0.3136765	0.17700504	3.1415620	21	6 5.4	21.3
297865 2002 CA_{77}	16.6	X	30.46881	144.40510	75.32424	2.44760	0.1313711	0.26726779	2.3869224	21	5 27.5	18.5
297866 2002 CJ_{78}	17.5	X	52.28153	91.25977	95.44864	2.22524	0.1443872	0.26601739	2.3943963	21	5 20.6	19.7
297867 2002 CM_{86}	17.5	X	218.39809	331.07673	105.16357	3.53642	0.1405718	0.27789294	2.3256858	21	7 9.1	20.8
297868 2002 CG_{94}	16.8	X	86.22299	163.39231	349.60263	5.16192	0.1674721	0.26648380	2.3916016	21	5 29.2	19.7
297869 2002 CY_{96}	17.3	X	168.46443	102.60678	4.12814	3.75469	0.1840657	0.27343905	2.3508722	21	6 29.7	21.0
297870 2002 CR_{99}	17.1	X	198.56518	111.34007	353.93745	6.06744	0.1823834	0.27699340	2.3307182	21	7 27.2	20.8
297871 2002 CW_{109}	15.5	X	231.28661	96.62588	340.20394	25.12159	0.2311028	0.17673320	3.1447826	21	7 22.9	21.0
297872 2002 CR_{117}	16.9	X	79.01571	196.74520	326.57834	4.38971	0.1233848	0.26583878	2.3954686	21	5 26.1	19.6
297873 2002 CC_{121}	16.7	X	14.48158	306.49254	274.98327	5.11737	0.0772306	0.26744810	2.3858495	21	4 25.0	19.4
297874 2002 CK_{122}	17.6	X	205.63246	263.69597	173.92465	2.53639	0.2240982	0.27740801	2.3283953	21	6 23.9	21.5
297875 2002 CG_{123}	17.1	X	68.23136	2.68234	173.80416	5.03600	0.1554786	0.26739471	2.3861671	21	6 4.7	19.8
297876 2002 CJ_{125}	16.9	X	82.68042	52.81565	142.44095	3.09750	0.0665023	0.27243508	2.3566442	21	7 8.6	19.6
297877 2002 CS_{129}	17.8	X	113.26795	179.23857	298.43667	1.91006	0.1324244	0.26730354	2.3867096	21	5 11.0	20.9
297878 2002 CE_{133}	17.1	X	84.03090	143.30458	329.19243	1.61406	0.1607702	0.26147468	2.4220492	21	3 28.3	19.6
297879 2002 CX_{135}	17.8	X	155.48585	204.01963	251.03491	2.11775	0.1464468	0.27161240	2.3614005	21	5 30.5	21.3
297880 2002 CL_{139}	16.9	X	181.73097	252.43169	184.99469	6.32196	0.1686911	0.27315436	2.3525054	21	6 3.8	20.7
297881 2002 CM_{151}	17.8	X	256.46725	287.68729	117.35117	4.49356	0.2221329	0.28010979	2.3133989	21	6 29.4	21.0
297882 2002 CL_{152}	17.4	X	40.66712	72.78716	108.42985	2.49013	0.1309757	0.26209548	2.4182231	21	4 18.9	19.6
297883 2002 CP_{152}	18.2	X	185.45563	105.62577	334.37158	19.87853	0.0947032	0.37390231	1.9082295	21	6 3.4	21.1
297884 2002 CZ_{157}	16.6	X	93.16119	63.49525	111.35349	4.71177	0.1460162	0.27012330	2.3700710	21	7 6.9	19.5
297885 2002 CD_{159}	17.1	X	172.29347	93.77295	359.10217	4.92331	0.1270040	0.27168628	2.3609724	21	6 12.9	20.7
297886 2002 CL_{162}	15.0	X	174.48723	151.55431	326.48584	26.26703	0.1251221	0.17433478	3.1735598	21	7 25.1	20.3
297887 2002 CW_{166}	16.6	X	20.96539	206.84406	15.05456	7.26073	0.0674126	0.26647724	2.3916409	21	5 7.2	19.1
297888 2002 CK_{173}	17.2	X	122.36132	76.26061	43.22579	3.76376	0.1491023	0.26790707	2.3831238	21	5 27.1	20.4
297889 2002 CS_{176}	16.4	X	193.33424	126.01755	325.24915	4.64922	0.1496609	0.17540387	3.1606515	21	7 3.4	21.6
297890 2002 CX_{178}	15.6	X	134.70328	152.08163	348.61779	4.90661	0.1143068	0.17206069	3.2014614	21	7 6.8	20.5
297891 2002 CD_{179}	17.1	X	27.79909	180.45422	61.61843	2.05874	0.1524510	0.27106274	2.3645918	21	6 29.6	19.0
297892 2002 CF_{191}	17.6	X	105.58914	139.66155	329.87191	6.33085	0.0754502	0.26555496	2.3971752	21	4 8.2	20.6
297893 2002 CE_{193}	16.2	X	241.31637	92.14237	349.99913	4.84971	0.2122852	0.17984554	3.1083954	21	8 2.1	21.2
297894 2002 CH_{202}	17.2	X	165.43953	355.22495	115.52010	4.51309	0.0773330	0.27319197	2.3522895	21	6 28.4	20.3
297895 2002 CP_{208}	17.2	X	178.75494	139.68353	339.09553	4.44116	0.0955392	0.27549005	2.3391897	21	7 26.4	20.4
297896 2002 CC_{215}	17.3	X	78.18243	127.93452	33.30263	1.73075	0.1213171	0.26602824	2.3943312	21	5 22.2	20.0
297897 2002 CM_{218}	17.3	X	108.52818	88.58974	35.59300	2.63620	0.1387204	0.26593700	2.3948788	21	5 15.3	20.5
297898 2002 CW_{236}	16.9	X	140.31109	20.21666	120.93320	4.86566	0.2416803	0.27085345	2.3658096	21	7 21.4	20.8
297899 2002 CK_{239}	16.9	X	169.19253	294.81719	174.47916	5.78735	0.1974907	0.27315335	2.3525112	21	7 3.2	20.8
297900 2002 CV_{241}	15.9	X	255.11864	256.95218	171.13072	16.30058	0.2753265	0.17904271	3.1176806	21	7 19.5	21.1
297901 2002 CB_{265}	16.8	X	9.75766	272.68796	332.86529	4.96388	0.0746481	0.27066837	2.3668880	21	5 23.9	19.4
297902 2002 CR_{267}	16.0	X	226.98115	64.57816	348.05649	9.37378	0.1309995	0.17376689	3.1804704	21	6 18.7	21.1
297903 2002 CY_{271}	16.5	X	227.06897	316.83557	120.10033	2.51761	0.1521952	0.17793440	3.1306134	21	7 17.1	21.3
297904 2002 CU_{275}	14.8	X	230.79090	206.05785	254.64119	14.43673	0.2554388	0.17984498	3.1084019	21	8 4.7	20.2
297905 2002 CT_{280}	17.6	X	28.73656	242.70747	306.49467	2.55395	0.1273641	0.26435818	2.4044046	21	4 3.7	19.9
297906 2002 CA_{286}	16.6	X	332.92999	128.40241	143.20206	6.71254	0.0919934	0.26807993	2.3820992	21	5 1.9	19.3
297907 2002 CM_{294}	15.2	X	132.24597	150.65726	341.09318	17.98650	0.0820261	0.17130170	3.2109110	21	6 20.3	20.3
297908 2002 CU_{295}	17.4	X	338.11925	214.33350	1.97969	1.39829	0.1344655	0.25819747	2.4425008	21	2 12.5	20.2
297909 2002 CU_{298}	17.6	X	193.51176	194.49822	297.14089	1.97132	0.1656240	0.27950210	2.3167509	21	8 24.7	21.0
297910 2002 CJ_{310}	15.8	X	152.76168	157.31127	316.71837	9.09362	0.1482088	0.16980342	3.2297713	21	6 24.1	21.1
297911 2002 CN_{310}	17.5	X	68.72595	262.07266	272.07934	1.06093	0.1200284	0.26707101	2.3880947	21	5 25.9	20.2
297912 2002 CD_{315}	16.2	X	179.34829	235.26035	222.68287	3.84671	0.1524826	0.17312664	3.1883069	21	6 28.1	21.4
297913 2002 DD_{2}	17.0	X	202.96249	38.85059	33.85706	22.32588	0.1070126	0.37547882	1.9028845	21	6 11.9	19.8
297914 2002 DV_{2}	17.5	X	230.18059	9.70941	349.30818	20.70592	0.0692212	0.36583769	1.9361712	21	3 27.2	19.8
297915 2002 DJ_{3}	16.1	X	157.35836	137.36893	26.77646	24.66381	0.2430012	0.27643489	2.3338565	21	9 15.7	20.5
297916 2002 DK_{8}	16.0	X	179.73486	46.75075	50.41193	12.37529	0.2174552	0.17380111	3.1800529	21	6 27.6	21.5
297917 2002 DL_{9}	17.5	X	130.94327	127.95812	359.62894	20.08739	0.0546380	0.37272564	1.9122436	21	5 25.1	20.1
297918 2002 DX_{15}	15.9	X	191.12707	278.96028	160.37519	25.81199	0.2715136	0.17308280	3.1888453	21	6 17.6	22.0
297919 2002 DP_{18}	17.6	X	242.81377	45.68270	343.49967	19.02768	0.1420143	0.37594872	1.9012985	21	5 21.2	20.5
297920 2002 DJ_{20}	17.2	X	206.54500	277.96818	163.39129	2.78429	0.0777867	0.27386400	2.3484397	21	7 6.5	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
297921 2002 EM	17.3	X	118.52859	303.80880	178.45353	5.00488	0.1882039	0.26730341	2.3867103	21	6 1.5	20.7
297922 2002 EE_{12}	16.5	X	14.57913	49.86881	164.61592	14.83350	0.0822924	0.26234789	2.4166718	21	4 21.7	19.3
297923 2002 EP_{15}	17.0	X	102.35989	298.94871	201.88505	10.10683	0.1801664	0.26682824	2.3895430	21	6 6.7	20.3
297924 2002 ES_{15}	16.6	X	12.55090	221.99627	297.28576	5.17798	0.0808569	0.25574578	2.4580859	21	1 25.9	19.5
297925 2002 EB_{43}	16.6	X	71.85769	154.47226	338.16701	6.31643	0.1112444	0.26055381	2.4277526	21	3 28.0	19.2
297926 2002 EK_{45}	16.8	X	121.70803	307.08850	176.01189	4.87843	0.1593411	0.26733161	2.3865425	21	6 2.8	20.2
297927 2002 EG_{69}	16.8	X	135.55192	127.73510	342.49615	3.89916	0.1019703	0.26629329	2.3927422	21	5 24.0	20.2
297928 2002 ER_{75}	15.8	X	192.47665	263.40181	199.22615	12.69140	0.2732828	0.17450614	3.1714820	21	7 11.3	21.7
297929 2002 EL_{80}	17.4	X	224.41942	5.93958	66.09545	1.64772	0.1869471	0.27552110	2.3390139	21	7 6.2	20.8
297930 2002 EC_{93}	17.2	X	49.06150	58.78593	128.06184	3.22486	0.1277667	0.26492997	2.4009438	21	5 13.2	19.6
297931 2002 ER_{95}	16.6	X	245.02397	45.77235	1.97177	8.48831	0.1486510	0.27529649	2.3402860	21	6 29.8	20.0
297932 2002 EK_{105}	17.6	X	164.50790	75.42935	8.87750	21.18067	0.0790792	0.36996990	1.9217274	21	5 5.9	20.2
297933 2002 EO_{126}	16.6	X	347.55676	266.39265	311.56341	6.00335	0.0639171	0.25961865	2.4335790	21	3 8.3	19.4
297934 2002 EO_{127}	17.3	X	20.57110	201.04488	353.60405	6.74394	0.1001707	0.26221574	2.4174837	21	3 27.9	19.6
297935 2002 EB_{130}	15.5	X	173.95236	300.74946	173.63644	27.10803	0.2539452	0.17362066	3.1822560	21	7 12.9	21.5
297936 2002 ER_{131}	17.3	X	296.97522	221.21160	26.00472	1.23342	0.1329865	0.25448060	2.4662263	21	1 30.8	20.6
297937 2002 EE_{133}	17.0	X	59.37063	303.70923	182.35642	5.98103	0.0889234	0.25767791	2.4457830	21	2 24.5	19.8
297938 2002 EY_{148}	17.5	X	69.42781	159.67348	358.71391	20.46391	0.0356986	0.36478338	1.9399001	21	4 2.3	19.3
297939 2002 ED_{151}	17.1	X	33.10920	210.19956	7.34735	5.97569	0.1316712	0.26419007	2.4054244	21	5 27.9	19.4
297940 2002 EW_{152}	16.2	X	222.49573	61.18955	352.01828	1.30344	0.1663812	0.17226867	3.1988842	21	6 12.6	21.4
297941 2002 EA_{160}	15.7	X	244.48581	190.28525	227.56357	5.16116	0.2235863	0.17760069	3.1345337	21	7 3.5	20.8
297942 2002 ET_{161}	17.4	X	232.96316	161.86567	263.08480	4.67012	0.2049816	0.27835857	2.3230915	21	7 3.4	21.0
297943 2002 FQ_{6}	16.6	X	47.78457	152.33852	23.41420	4.65990	0.1165490	0.26087273	2.4257736	21	4 21.2	19.0
297944 2002 FA_{7}	15.6	X	224.37234	89.30435	17.11888	25.16710	0.2507007	0.17849850	3.1240142	21	8 25.1	21.2
297945 2002 FJ_{7}	15.7	X	146.47728	135.27179	5.99431	15.53391	0.2118551	0.17112493	3.2131219	21	7 29.2	21.3
297946 2002 FM_{12}	17.1	X	68.70142	100.84315	87.81741	2.18297	0.1251539	0.26600308	2.3944822	21	6 17.8	19.6
297947 2002 FN_{20}	16.4	X	213.31862	351.57888	95.68804	9.22653	0.2140490	0.27593979	2.3366473	21	7 14.1	20.2
297948 2002 FF_{23}	17.7	X	117.85079	279.19480	189.33621	1.06547	0.1454104	0.26366699	2.4086048	21	5 7.2	20.7
297949 2002 FM_{26}	16.0	X	165.65720	140.68731	9.50018	17.27162	0.1401633	0.17598022	3.1537467	21	8 25.3	21.3
297950 2002 FF_{41}	17.1	X	246.93290	70.68311	178.81082	6.78331	0.0956891	0.24698197	2.5158952	21	—	—
297951 2002 GV_{36}	16.6	X	79.77585	96.21080	41.05761	7.38459	0.1048605	0.26190422	2.4194002	21	4 18.7	19.2
297952 2002 GQ_{52}	16.8	X	67.65707	350.80525	155.29813	2.40799	0.1365464	0.25942570	2.4347856	21	4 16.9	19.2
297953 2002 GC_{63}	16.9	X	52.27197	77.31319	65.27627	3.46630	0.1438976	0.25652535	2.4531034	21	3 16.6	19.3
297954 2002 GA_{79}	16.3	X	225.76241	128.68757	118.96599	13.55231	0.2143267	0.24278332	2.5448186	21	—	—
297955 2002 GS_{110}	16.9	X	4.39699	149.54177	45.99061	5.41552	0.1325681	0.25605260	2.4561219	21	3 2.8	19.4
297956 2002 GC_{115}	16.7	X	204.06330	153.25700	125.39754	5.77100	0.2437861	0.24198035	2.5504451	21	—	—
297957 2002 GT_{121}	17.1	X	197.06693	274.39852	2.06343	5.72099	0.3227772	0.23980379	2.5658545	21	—	—
297958 2002 GF_{126}	16.7	X	216.05817	34.43332	211.56893	11.86907	0.1134030	0.23978712	2.5659734	21	—	—
297959 2002 GA_{147}	15.6	X	173.64813	80.65725	40.26961	14.02934	0.1181674	0.16990038	3.2285423	21	7 24.3	20.9
297960 2002 GG_{161}	16.4	X	122.67475	12.55573	116.06718	7.27283	0.1198689	0.26428514	2.4048476	21	6 7.0	19.7
297961 2002 GM_{168}	16.3	X	332.54555	322.81849	239.34969	6.45614	0.0413684	0.25197047	2.4825783	21	1 28.9	19.5
297962 2002 GE_{179}	16.9	X	256.04779	273.80236	45.12101	6.16563	0.1617772	0.26190442	2.4193990	21	3 17.2	20.6
297963 2002 GL_{185}	17.3	X	82.27030	128.80224	24.07206	2.53466	0.1581963	0.26227654	2.4171100	21	5 22.6	20.1
297964 2002 HK_{6}	17.3	X	186.55124	56.94139	188.40489	4.61344	0.2277854	0.23486065	2.6017319	21	12 28.9	21.7
297965 2002 HH_{11}	16.3	X	230.47609	118.80975	123.03717	12.97645	0.1398370	0.24139978	2.5545328	21	—	—
297966 2002 HJ_{15}	15.2	X	43.79865	137.81797	31.60480	8.92819	0.0549596	0.15636919	3.4122062	21	4 14.5	19.8
297967 2002 HU_{16}	16.5	X	202.20201	242.29967	26.02791	14.55113	0.2988540	0.23826901	2.5768611	21	—	—
297968 2002 JP_{20}	16.9	X	224.74088	79.65877	194.09982	12.15712	0.3140252	0.24205316	2.5499336	21	—	—
297969 2002 JB_{23}	17.3	X	250.82212	41.51030	200.26431	5.96341	0.2442411	0.24331784	2.5410902	21	—	—
297970 2002 JZ_{30}	16.3	X	284.28420	164.60280	56.28242	12.98126	0.1067958	0.24520929	2.5280060	21	—	—
297971 2002 JM_{53}	16.6	X	20.79887	172.63030	27.27011	6.92328	0.1117233	0.25784142	2.4447489	21	4 7.9	18.8
297972 2002 JN_{54}	16.9	X	177.42905	25.37272	230.80908	8.29537	0.3268254	0.23334747	2.6129673	21	12 28.6	21.8
297973 2002 JX_{55}	16.2	X	212.09057	38.39090	230.40966	14.13694	0.1098877	0.24080397	2.5587447	21	—	—
297974 2002 JU_{104}	16.4	X	122.30136	92.01826	234.77512	9.63915	0.2577936	0.23207907	2.6224793	21	—	—
297975 2002 JX_{104}	16.6	X	155.53201	223.88379	59.97302	14.66591	0.2575105	0.23233005	2.6205903	21	—	—
297976 2002 JK_{122}	16.5	X	226.37407	112.57506	122.49268	15.23855	0.1529950	0.23968069	2.5667329	21	—	—
297977 2002 JE_{146}	16.8	X	207.86190	95.41948	172.66296	14.94410	0.1720746	0.23804671	2.5784651	21	—	—
297978 2002 JC_{149}	16.7	X	217.98093	29.83883	246.47053	7.79948	0.1182438	0.24298680	2.5433976	21	—	—
297979 2002 KL_{4}	16.4	X	213.53400	13.48297	233.43607	13.56307	0.1347736	0.23757658	2.5818656	21	—	—
297980 2002 KL_{13}	17.2	X	305.21828	13.24247	225.50943	7.22942	0.0834269	0.25156714	2.4852311	21	2 3.0	20.7
297981 2002 LE	17.5	X	277.85679	74.33863	166.92762	4.95776	0.1017625	0.34880972	1.9986818	21	—	—
297982 2002 LK_{17}	16.2	X	165.59922	218.83841	69.25355	14.57821	0.1660619	0.23460113	2.6036503	21	—	—
297983 2002 LL_{20}	16.1	X	182.14738	241.85297	84.37154	13.26123	0.2905770	0.23662695	2.5887687	21	1 27.0	20.8
297984 2002 LW_{39}	16.8	X	85.97579	98.54306	205.12714	9.09549	0.2956992	0.22366912	2.6878108	21	12 22.0	21.5
297985 2002 LX_{40}	16.5	X	135.64744	162.60308	135.63537	8.39961	0.1989726	0.23005497	2.6378391	21	—	—
297986 2002 LW_{61}	16.4	X	111.70020	111.62226	195.55933	11.62664	0.0452672	0.23031488	2.6358542	21	—	—
297987 2002 MR_{5}	15.8	X	174.29380	279.78211	89.97124	12.74155	0.3274761	0.23834907	2.5762840	21	3 18.7	20.8
297988 2002 MV_{5}	17.0	X	147.87731	100.79772	202.83679	11.61252	0.2090271	0.22952633	2.6418878	21	—	—
297989 2002 MJ_{6}	16.7	X	236.78337	222.11860	343.56013	4.19161	0.1408458	0.23143690	2.6273281	21	—	—
297990 2002 ND_{7}	16.0	X	164.80887	131.36763	206.30328	13.19981	0.1539537	0.23426781	2.6061194	21	1 12.9	20.3
297991 2002 ND_{27}	15.7	X	128.76747	7.37300	325.45958	16.82304	0.1769387	0.22699992	2.6614537	21	—	—
297992 2002 NG_{37}	16.5	X	84.92795	64.82233	270.33145	10.41520	0.2068445	0.22282440	2.6945994	21	—	—
297993 2002 ND_{57}	15.9	X	15.55583	149.91008	319.64689	13.11832	0.0402964	0.23275027	2.6174351	21	—	—
297994 2002 NA_{59}	17.2	X	117.63663	269.34171	76.45485	3.31659	0.2092124	0.22893359	2.6464460	21	—	—
297995 2002 NN_{59}	17.0	X	153.99984	86.72196	217.55458	11.95592	0.1790406	0.22980493	2.6397522	21	—	—
297996 2002 NR_{62}	16.3	X	77.53199	228.59989	108.88528	16.28433	0.1266767	0.22361608	2.6882358	21	—	—
297997 2002 NK_{64}	16.8	X	193.22200	168.50570	102.81804	14.91468	0.1364968	0.23327684	2.6134947	21	—	—
297998 2002 NU_{66}	17.1	X	96.63129	63.77978	307.81761	6.29528	0.1996570	0.22912899	2.6449412	21	—	—
297999 2002 NF_{71}	16.1	X	197.00963	319.00604	261.71664	8.41606	0.0844175	0.22625653	2.6672802	21	12 20.3	20.0
298000 2002 NJ_{74}	17.2	X	182.79011	116.00211	148.86170	4.52118	0.1796431	0.23005315	2.6378530	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
298001 2002 NQ_{75}	16.3	X	225.86201	9.19185	157.67863	13.78149	0.0530631	0.21934216	2.7230439	21	11 22.9	20.3
298002 2002 OT_{4}	17.0	X	103.41392	140.41767	184.82769	7.15541	0.3253763	0.22487887	2.6781626	21	—	—
298003 2002 ON_{14}	16.2	X	140.48594	53.41797	267.68336	11.93099	0.1844212	0.22881189	2.6473843	21	—	—
298004 2002 OC_{15}	15.9	X	98.74381	48.61119	301.63635	24.56979	0.1782274	0.22466265	2.6798807	21	—	—
298005 2002 OU_{27}	16.8	X	79.35410	62.99925	292.28703	5.39284	0.1662033	0.22419408	2.6836134	21	—	—
298006 2002 OA_{30}	17.0	X	133.20479	261.86405	60.37888	4.33599	0.2738959	0.22769391	2.6560430	21	—	—
298007 2002 OA_{31}	16.1	X	92.00003	338.39121	325.21216	7.01896	0.1286562	0.22008479	2.7169148	21	12 13.6	20.3
298008 2002 OH_{32}	16.2	X	65.15777	59.33305	237.89193	9.13123	0.1319002	0.21723961	2.7405856	21	11 6.2	20.0
298009 2002 OR_{35}	16.9	X	95.53425	211.11498	182.64628	9.83309	0.0855155	0.23227214	2.6210258	21	—	—
298010 2002 PG_{2}	16.3	X	106.86225	198.02079	196.31800	12.15070	0.0932017	0.23404690	2.6077590	21	1 8.6	19.9
298011 2002 PT_{2}	16.1	X	120.57217	44.42698	260.70350	12.05786	0.1372096	0.22423677	2.6832728	21	—	—
298012 2002 PY_{7}	17.2	X	96.20824	67.18170	266.43402	5.01469	0.1599683	0.22479200	2.6788526	21	—	—
298013 2002 PJ_{10}	16.2	X	76.44552	94.60675	293.31198	9.14917	0.1022287	0.22774194	2.6556696	21	—	—
298014 2002 PL_{10}	17.0	X	136.21326	92.33605	218.29112	3.45226	0.1858718	0.22733173	2.6588633	21	—	—
298015 2002 PN_{24}	16.3	X	102.39065	81.54955	310.71213	9.58831	0.2153307	0.23104972	2.6302625	21	1 21.7	19.5
298016 2002 PO_{25}	17.2	X	95.35301	36.89182	298.12105	3.75612	0.1264038	0.22445637	2.6815224	21	—	—
298017 2002 PB_{29}	16.4	X	185.03366	15.51497	278.33909	3.73266	0.1542539	0.23262442	2.6183791	21	—	—
298018 2002 PA_{31}	16.4	X	135.78099	298.62607	309.80648	12.42931	0.1781091	0.22052969	2.7132595	21	11 18.3	21.2
298019 2002 PY_{35}	16.0	X	88.38929	227.31663	152.01144	13.73221	0.2115748	0.22674211	2.6634707	21	—	—
298020 2002 PH_{53}	16.8	X	114.28644	12.42663	342.31149	3.41610	0.1810484	0.22840480	2.6505290	21	—	—
298021 2002 PW_{53}	16.3	X	159.07696	295.40387	328.17392	12.58937	0.0602845	0.22363902	2.6880520	21	—	—
298022 2002 PF_{78}	15.9	X	194.77557	277.30455	346.88378	11.62147	0.2519184	0.23214957	2.6219483	21	—	—
298023 2002 PH_{86}	16.1	X	115.77435	324.78907	10.15036	13.44833	0.1961183	0.22634718	2.6665679	21	—	—
298024 2002 PF_{90}	16.5	X	126.65530	70.43904	258.66806	10.99237	0.2286161	0.22727892	2.6592752	21	—	—
298025 2002 PR_{92}	16.0	X	124.69588	59.89559	246.19816	13.66826	0.1312647	0.22394285	2.6856201	21	—	—
298026 2002 PH_{102}	16.0	X	107.39041	106.95716	285.46156	11.39943	0.1521173	0.23214008	2.6220197	21	1 17.3	19.2
298027 2002 PK_{105}	15.9	X	98.56681	85.95962	293.47663	12.16775	0.1222969	0.22855248	2.6493871	21	—	—
298028 2002 PG_{119}	16.9	X	176.05513	58.47151	231.29427	3.01472	0.2619966	0.23124845	2.6287553	21	—	—
298029 2002 PX_{119}	16.3	X	99.24409	39.03582	313.30504	10.85360	0.0933891	0.22583389	2.6706069	21	—	—
298030 2002 PM_{141}	15.6	X	123.60610	37.31323	281.79077	13.94353	0.1951071	0.22448850	2.6812665	21	—	—
298031 2002 PP_{141}	15.4	X	95.57235	76.18375	258.49962	12.55983	0.2472305	0.22158034	2.7046759	21	—	—
298032 2002 PG_{142}	16.2	X	45.45800	22.90823	333.66680	9.47810	0.2061301	0.21748078	2.7385592	21	—	—
298033 2002 PC_{152}	16.0	X	91.74707	270.13396	123.74808	10.30921	0.0746625	0.23192553	2.6236366	21	—	—
298034 2002 PR_{156}	17.0	X	107.19066	207.23924	159.36585	0.30038	0.1762725	0.22917597	2.6445797	21	—	—
298035 2002 PN_{161}	17.2	X	137.42469	197.68251	144.90546	2.95793	0.1539395	0.23076189	2.6324491	21	—	—
298036 2002 PO_{162}	16.9	X	87.91772	52.10614	353.64882	3.99373	0.2551410	0.22968128	2.6406995	21	1 24.8	19.8
298037 2002 PW_{163}	16.3	X	138.55666	229.44360	123.98316	15.52904	0.1269544	0.23295185	2.6159249	21	1 4.3	20.1
298038 2002 PQ_{164}	17.2	X	91.57744	53.40533	323.89029	2.00322	0.2186548	0.22786642	2.6547024	21	—	—
298039 2002 PP_{168}	16.6	X	105.82840	345.87252	330.83989	10.79948	0.0782460	0.22281956	2.6946385	21	—	—
298040 2002 PO_{182}	16.2	X	18.74675	225.65174	127.42800	7.22403	0.0868890	0.21427855	2.7657755	21	11 12.1	19.7
298041 2002 PD_{191}	16.6	X	122.15672	0.41260	331.06156	13.35142	0.1602086	0.22796914	2.6539048	21	—	—
298042 2002 PR_{191}	16.8	X	100.95399	334.19717	333.84301	5.59445	0.1395451	0.22192544	2.7018713	21	12 29.6	21.1
298043 2002 PV_{193}	16.6	X	62.23540	231.69295	188.78086	14.47566	0.1685112	0.22798422	2.6537878	21	—	—
298044 2002 PS_{197}	17.3	X	176.36116	61.70062	203.73944	3.72183	0.1701355	0.22936961	2.6430911	21	—	—
298045 2002 QU_{3}	16.7	X	131.79775	24.03871	288.93820	4.14092	0.1557187	0.22604352	2.6689556	21	—	—
298046 2002 QF_{7}	16.9	X	96.25167	264.27591	80.32060	4.32491	0.2747648	0.22454416	2.6808234	21	—	—
298047 2002 QB_{8}	16.1	X	61.97947	246.72916	130.56344	9.34330	0.0190289	0.22341906	2.6898160	21	—	—
298048 2002 QL_{16}	16.6	X	22.06751	49.96022	317.03893	12.42374	0.2017756	0.21563544	2.7541608	21	12 19.9	20.1
298049 2002 QF_{35}	16.8	X	152.71560	156.14784	148.10092	14.46574	0.1519861	0.22747809	2.6577227	21	—	—
298050 2002 QP_{36}	16.7	X	94.02421	209.27851	159.51181	2.64743	0.2140955	0.22528025	2.6749806	21	—	—
298051 2002 QD_{37}	16.6	X	351.17874	324.84081	150.82902	4.72701	0.1420072	0.22418910	2.6836532	21	—	—
298052 2002 QT_{39}	16.6	X	17.10368	250.43402	164.99812	2.26576	0.2617625	0.21842217	2.7306848	21	—	—
298053 2002 QW_{48}	16.9	X	121.78241	294.55796	28.49995	3.10299	0.0989927	0.22465634	2.6799309	21	—	—
298054 2002 QH_{50}	16.6	X	67.85067	347.00756	347.81570	5.94453	0.0625414	0.21796092	2.7345359	21	12 17.4	20.5
298055 2002 QM_{51}	16.5	X	66.47703	8.09828	338.50074	13.41267	0.0524185	0.22040352	2.7142949	21	12 31.7	20.5
298056 2002 QC_{54}	16.0	X	7.05897	287.27706	153.34780	22.04606	0.0486996	0.22452243	2.6809964	21	—	—
298057 2002 QN_{61}	17.2	X	132.43348	332.68146	310.52788	3.91585	0.1522536	0.22298309	2.6933209	21	12 29.2	21.6
298058 2002 QB_{81}	16.7	X	63.91766	320.91391	20.87085	5.01881	0.1359912	0.21909898	2.7250584	21	12 31.6	20.7
298059 2002 QO_{83}	17.1	X	17.68402	119.98783	283.05514	4.34461	0.0727299	0.22109500	2.7086326	21	—	—
298060 2002 QM_{84}	16.6	X	36.64418	105.93242	292.00352	5.01502	0.0316711	0.22359759	2.6883840	21	—	—
298061 2002 QN_{84}	16.5	X	4.91903	194.83344	214.99292	5.02889	0.0302238	0.22076328	2.7113453	21	12 27.5	20.1
298062 2002 QX_{85}	16.4	X	337.09381	130.60830	316.93419	12.42376	0.0984757	0.22156944	2.7047647	21	—	—
298063 2002 QW_{86}	17.0	X	80.01720	178.79785	178.72683	6.10184	0.0407000	0.22419056	2.6836415	21	—	—
298064 2002 QQ_{87}	16.5	X	296.97619	308.85655	152.76841	10.24600	0.1662170	0.21619866	2.7493755	21	11 20.8	19.7
298065 2002 QP_{96}	16.3	X	188.82345	109.55774	126.39557	15.62498	0.1114890	0.22564719	2.6720798	21	12 28.2	20.5
298066 2002 QR_{96}	16.5	X	38.94678	290.74516	126.11870	12.53531	0.1741044	0.22534774	2.6744465	21	—	—
298067 2002 QM_{98}	16.8	X	70.66291	59.55613	352.01858	3.80152	0.1618323	0.22935796	2.6431806	21	—	—
298068 2002 QG_{105}	17.0	X	344.07800	357.05213	146.25598	2.33880	0.0043994	0.23136153	2.6278987	21	—	—
298069 2002 QJ_{106}	16.2	X	53.66218	44.02547	3.38194	14.79649	0.1510446	0.22501976	2.6770446	21	—	—
298070 2002 QC_{107}	17.4	X	62.33481	107.41081	271.63919	1.88336	0.1907200	0.22319286	2.6916330	21	—	—
298071 2002 QV_{110}	16.6	X	168.70547	231.75386	64.01218	3.09591	0.0188549	0.22978287	2.6399211	21	—	—
298072 2002 QB_{113}	17.3	X	66.70729	185.00482	186.25705	5.22569	0.1576933	0.22298529	2.6933032	21	—	—
298073 2002 QZ_{114}	17.2	X	74.65214	171.07525	220.19950	3.78503	0.1616141	0.22625815	2.6672674	21	—	—
298074 2002 QW_{123}	17.0	X	131.90328	161.99664	172.93329	2.54154	0.2136090	0.22961435	2.6412126	21	—	—
298075 2002 QE_{129}	16.3	X	121.88777	220.98325	138.40784	12.58369	0.2061004	0.23068406	2.6330412	21	1 3.2	20.0
298076 2002 QK_{131}	15.8	X	54.89828	92.56938	336.16281	21.81762	0.0565821	0.23045694	2.6347709	21	—	—
298077 2002 QR_{131}	17.0	X	70.37715	37.59734	359.88402	4.87747	0.0492227	0.22828968	2.6514200	21	—	—
298078 2002 QU_{131}	17.3	X	112.33471	296.94032	11.04963	3.50576	0.1728670	0.22321691	2.6914397	21	—	—
298079 2002 QH_{133}	16.3	X	52.20833	197.01631	198.23215	8.76786	0.1831114	0.22274957	2.6952029	21	—	—
298080 2002 QA_{134}	17.0	X	103.35249	244.22374	94.09387	3.78180	0.0906962	0.22404182	2.6848292	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
298081 2002 QH_{135}	17.2	X	83.25467	264.07261	83.06569	5.98040	0.0698973	0.22234520	2.6984697	21	—	—
298082 2002 QL_{135}	16.4	X	119.09446	293.56821	78.74653	6.43777	0.0670548	0.23068146	2.6330610	21	—	—
298083 2002 QY_{139}	16.4	X	50.27783	138.91725	180.67194	4.13651	0.0997426	0.21544425	2.7557900	21	11 12.7	20.0
298084 2002 QC_{140}	17.0	X	70.57647	178.98308	213.85287	1.23129	0.1351042	0.22630384	2.6669084	21	—	—
298085 2002 QU_{142}	16.7	X	351.30013	207.59749	218.38662	9.13227	0.1052645	0.21846576	2.7303215	21	—	—
298086 2002 QE_{147}	16.7	X	132.05482	344.09159	356.62123	2.43440	0.1569335	0.22894055	2.6463923	21	—	—
298087 2002 RW_{2}	16.3	X	48.80093	23.27557	352.34174	8.57982	0.2348583	0.21868651	2.7284839	21	—	—
298088 2002 RW_{4}	15.8	X	214.72225	14.66770	254.12355	10.07244	0.0323688	0.22990587	2.6389795	21	—	—
298089 2002 RF_{36}	16.6	X	94.17298	161.20755	176.66413	14.94845	0.1277147	0.22262478	2.6962100	21	—	—
298090 2002 RM_{36}	16.1	X	117.17157	13.19032	337.24175	13.79030	0.2279711	0.22801634	2.6535386	21	—	—
298091 2002 RY_{41}	16.2	X	79.04779	29.96198	349.54691	13.52532	0.1464632	0.22480090	2.6787819	21	—	—
298092 2002 RH_{45}	15.7	X	76.32566	356.48021	355.13493	18.60533	0.1140149	0.22115741	2.7081230	21	—	—
298093 2002 RQ_{46}	16.2	X	72.13729	356.18210	3.11407	9.91875	0.1577210	0.22111000	2.7085101	21	—	—
298094 2002 RM_{58}	16.6	X	112.57399	100.48126	194.54842	8.31236	0.2389239	0.22065699	2.7122159	21	12 28.1	21.4
298095 2002 RO_{60}	16.1	X	82.67611	31.18603	9.99633	14.74083	0.2383321	0.22493508	2.6777164	21	1 10.2	19.2
298096 2002 RE_{68}	15.9	X	102.06813	202.83760	181.23424	21.51560	0.1087034	0.22892200	2.6465354	21	—	—
298097 2002 RY_{76}	16.1	X	68.98737	349.37581	339.39993	14.24481	0.1276339	0.21756628	2.7378417	21	12 20.0	20.4
298098 2002 RY_{79}	16.4	X	98.91620	6.68565	345.16733	4.38108	0.1655515	0.22381744	2.6866232	21	—	—
298099 2002 RK_{99}	16.1	X	49.20360	164.31520	191.37727	26.53324	0.1862030	0.21525920	2.7573691	21	—	—
298100 2002 RS_{108}	16.3	X	76.75067	196.50901	172.09501	12.65736	0.1907317	0.22217956	2.6998107	21	—	—
298101 2002 RC_{119}	15.8	X	110.56960	304.59793	11.80993	13.74942	0.2143381	0.22273941	2.6952849	21	—	—
298102 2002 RO_{121}	15.7	X	81.34445	157.47894	228.05850	9.12648	0.1319197	0.22329305	2.6908279	21	—	—
298103 2002 RP_{126}	16.0	X	57.63975	231.22882	128.11703	12.81262	0.1730785	0.22021162	2.7158715	21	—	—
298104 2002 RQ_{127}	16.1	X	43.74016	171.08954	260.15108	13.17609	0.2105361	0.22573379	2.6713964	21	—	—
298105 2002 RS_{127}	15.7	X	81.37647	133.30231	236.08154	11.89700	0.2735120	0.22344636	2.6895969	21	—	—
298106 2002 RR_{133}	16.2	X	77.09176	280.62617	93.07643	7.05212	0.2451020	0.22239913	2.6980335	21	—	—
298107 2002 RR_{139}	16.2	X	78.89191	235.08749	69.11490	11.04520	0.2205277	0.21649580	2.7468592	21	12 9.6	20.6
298108 2002 RV_{140}	15.9	X	86.71547	281.88464	82.86576	7.29499	0.0729735	0.22330666	2.6907185	21	—	—
298109 2002 RZ_{144}	16.4	X	64.27888	356.71273	30.13677	3.61496	0.0938801	0.22302737	2.6929644	21	—	—
298110 2002 RG_{146}	17.4	X	14.42632	47.15093	338.59931	3.24632	0.2132453	0.21455175	2.7634270	21	—	—
298111 2002 RJ_{152}	15.8	X	29.20226	110.60695	327.02248	13.88392	0.0530617	0.22495816	2.6775333	21	—	—
298112 2002 RC_{154}	17.3	X	75.64121	137.81267	182.62992	8.13038	0.1952476	0.21654797	2.7464180	21	12 23.6	21.6
298113 2002 RN_{176}	16.5	X	86.87436	148.57314	221.33411	6.84295	0.0996072	0.22440276	2.6819494	21	—	—
298114 2002 RF_{177}	16.8	X	82.07945	132.70141	189.65539	9.35477	0.2293771	0.21894234	2.7263580	21	—	—
298115 2002 RR_{177}	16.7	X	45.04622	158.53186	224.88486	3.85923	0.1305117	0.21929266	2.7234536	21	—	—
298116 2002 RC_{199}	16.9	X	161.65434	246.06810	38.75008	2.43381	0.1811575	0.22604159	2.6689707	21	—	—
298117 2002 RB_{202}	15.8	X	130.05945	290.93324	357.40344	14.06356	0.1084818	0.22203280	2.7010003	21	—	—
298118 2002 RF_{202}	16.5	X	88.30645	72.79459	302.06040	6.86449	0.1486584	0.22442735	2.6817535	21	—	—
298119 2002 RS_{206}	16.9	X	57.34273	176.57459	186.81800	9.07728	0.1201525	0.21882182	2.7273590	21	—	—
298120 2002 RV_{212}	16.3	X	94.77148	228.71273	157.36130	14.75569	0.2099316	0.22516898	2.6758618	21	1 2.0	19.7
298121 2002 RP_{228}	16.0	X	152.55214	285.48670	31.12314	11.57315	0.0595961	0.22809376	2.6529381	21	—	—
298122 2002 RP_{237}	16.3	X	334.84808	123.12973	3.72393	10.22674	0.0974069	0.22543520	2.6737547	21	—	—
298123 2002 RW_{237}	17.2	X	82.83046	212.97375	148.18384	3.82894	0.1939314	0.22335654	2.6903179	21	—	—
298124 2002 RE_{243}	16.6	X	130.37430	90.02069	228.96885	3.44152	0.0818522	0.22633168	2.6666897	21	—	—
298125 2002 RH_{247}	17.1	X	84.83365	68.45611	339.57578	3.06117	0.1836184	0.22962055	2.6411651	21	1 10.7	19.9
298126 2002 RB_{251}	16.4	X	99.16200	167.45026	155.21064	6.55384	0.0283183	0.22197020	2.7015081	21	—	—
298127 2002 RF_{251}	16.1	X	137.65509	81.24615	154.87794	12.02316	0.0783374	0.21622884	2.7491197	21	11 8.8	20.4
298128 2002 RZ_{251}	17.1	X	263.80261	179.31020	300.60586	1.01756	0.0208498	0.21417308	2.7666834	21	11 11.4	20.9
298129 2002 RR_{253}	17.2	X	347.91700	188.92213	253.37788	3.06879	0.1381100	0.21871757	2.7282255	21	—	—
298130 2002 RD_{255}	16.5	X	69.04397	187.15196	149.15997	9.94935	0.0460734	0.21910099	2.7250417	21	12 19.6	20.4
298131 2002 RZ_{262}	16.2	X	166.21940	65.49156	191.94963	12.51002	0.0892243	0.22101019	2.7093255	21	12 29.9	20.6
298132 2002 RZ_{263}	16.4	X	19.18038	121.21000	322.20871	9.05953	0.0958733	0.22455154	2.6807646	21	—	—
298133 2002 RR_{265}	16.3	X	71.48837	27.81356	0.64400	13.87566	0.0760935	0.22447740	2.6813549	21	—	—
298134 2002 RD_{272}	16.5	X	46.01842	52.06766	332.04455	7.50316	0.1833797	0.22071058	2.7117768	21	—	—
298135 2002 RV_{272}	17.2	X	59.83498	173.55636	174.23695	3.13737	0.0797292	0.21927901	2.7235667	21	12 26.6	21.0
298136 2002 RD_{273}	17.1	X	20.95445	187.58331	209.71590	1.59162	0.0867152	0.21980373	2.7192304	21	—	—
298137 2002 RZ_{277}	17.1	X	67.67923	119.94591	225.83812	6.46621	0.2465328	0.21936063	2.7228910	21	—	—
298138 2002 RH_{280}	16.5	X	48.54389	202.59689	194.57014	6.10230	0.0836412	0.22288880	2.6940804	21	—	—
298139 2002 RN_{290}	16.6	X	162.89261	242.67660	60.31161	6.66752	0.2098290	0.22972639	2.6403538	21	—	—
298140 2002 SL_{1}	16.5	X	170.33600	67.24079	202.19213	11.48259	0.1879794	0.22710513	2.6606317	21	—	—
298141 2002 ST_{4}	16.7	X	40.36384	185.25785	192.62419	10.01867	0.2390314	0.21660276	2.7459548	21	—	—
298142 2002 SX_{20}	15.8	X	117.93670	311.83071	12.75535	14.46471	0.1161506	0.22238613	2.6981386	21	—	—
298143 2002 SN_{25}	16.3	X	43.17583	324.41972	89.12494	3.91047	0.1782567	0.22082141	2.7108694	21	—	—
298144 2002 SQ_{38}	17.2	X	65.32263	313.75656	31.02055	2.35630	0.2951042	0.21810947	2.7332941	21	—	—
298145 2002 SH_{45}	16.0	X	45.25334	245.53251	205.24526	10.96862	0.1561685	0.22481425	2.6786758	21	—	—
298146 2002 SX_{49}	16.3	X	56.40324	215.58212	170.37710	9.75534	0.1845242	0.22021426	2.7158499	21	—	—
298147 2002 SD_{54}	15.8	X	98.58043	51.20978	327.84946	12.85865	0.2148886	0.22691352	2.6621293	21	1 1.1	19.1
298148 2002 SO_{62}	16.8	X	106.52734	207.43335	147.46429	2.60145	0.1030398	0.22402052	2.6849994	21	—	—
298149 2002 SE_{66}	16.6	X	94.48426	249.98059	61.39581	5.05769	0.1276403	0.21975088	2.7196664	21	12 25.5	20.7
298150 2002 SC_{69}	17.3	X	21.99389	105.40087	307.38286	0.83137	0.1449550	0.21864610	2.7288201	21	—	—
298151 2002 SJ_{72}	17.1	X	36.64326	153.87913	229.65224	2.91110	0.0697151	0.21945390	2.7221195	21	—	—
298152 2002 SG_{74}	16.5	X	278.71311	129.32125	17.90316	9.60611	0.0455256	0.21810470	2.7333340	21	—	—
298153 2002 TQ_{2}	16.2	X	60.10867	141.68615	198.83515	12.69114	0.2411096	0.21601935	2.7508967	21	—	—
298154 2002 TG_{18}	17.3	X	32.70105	45.09242	354.95710	2.17913	0.3092863	0.21703150	2.7423373	21	—	—
298155 2002 TV_{22}	16.2	X	85.94966	338.44421	14.29768	9.80771	0.0713181	0.21972277	2.7198983	21	—	—
298156 2002 TW_{24}	16.6	X	356.35658	62.67585	20.73117	2.28675	0.2448644	0.21611297	2.7501022	21	—	—
298157 2002 TA_{26}	16.6	X	50.40144	203.83474	187.52757	4.78235	0.1770485	0.21875851	2.7278852	21	—	—
298158 2002 TU_{50}	15.2	X	9.03216	349.95801	57.62028	15.38455	0.2257156	0.21198914	2.7856528	21	—	—
298159 2002 TZ_{55}	16.5	X	104.01874	338.55504	2.16867	10.35554	0.1631778	0.22163078	2.7042655	21	—	—
298160 2002 TR_{56}	16.2	X	348.23613	63.48732	26.50665	7.94721	0.2221450	0.21606680	2.7504939	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
298161 2002 TP_{62}	16.6	X	131.99748	337.02857	346.06141	6.79408	0.0975145	0.22322272	2.6913930	21	—	—
298162 2002 TO_{67}	17.2	X	69.81913	89.95331	234.15275	6.65319	0.2304895	0.21525514	2.7574038	21	12 25.5	21.5
298163 2002 TN_{101}	16.2	X	80.56326	161.13503	204.00564	15.26935	0.1502626	0.22136955	2.7063926	21	—	—
298164 2002 TA_{102}	16.7	X	75.93378	139.71919	216.19327	5.13153	0.0561782	0.21930332	2.7233654	21	—	—
298165 2002 TN_{103}	16.4	X	60.41064	153.49671	219.68612	4.76862	0.0812087	0.21890787	2.7266442	21	—	—
298166 2002 TF_{110}	16.2	X	72.79909	242.29958	152.85122	13.45059	0.2597054	0.22249594	2.6972508	21	—	—
298167 2002 TK_{119}	16.3	X	31.43645	168.71456	224.63923	13.70736	0.1315389	0.21648871	2.7469192	21	—	—
298168 2002 TU_{123}	16.4	X	80.71587	93.63223	252.97309	7.64481	0.1501960	0.21993253	2.7181687	21	—	—
298169 2002 TU_{141}	15.8	X	22.40617	13.17775	46.38936	20.53255	0.2576180	0.21732051	2.7399054	21	—	—
298170 2002 TS_{145}	16.0	X	205.87684	37.06154	210.69899	12.77244	0.1282723	0.22371937	2.6874083	21	—	—
298171 2002 TO_{154}	16.2	X	60.08590	91.18159	200.35120	14.45833	0.1679926	0.21272427	2.7792312	21	10 30.1	20.0
298172 2002 TV_{154}	15.9	X	47.15132	178.99388	222.06762	13.23182	0.1829803	0.22185122	2.7024738	21	—	—
298173 2002 TM_{161}	16.0	X	336.30340	3.64479	87.39510	14.55930	0.2968119	0.21299526	2.7768735	21	—	—
298174 2002 TM_{163}	16.1	X	12.90733	285.71051	130.90175	14.36219	0.1683095	0.21502072	2.7594075	21	—	—
298175 2002 TQ_{165}	16.9	X	101.75965	84.12469	237.29296	11.62305	0.2874746	0.22240552	2.6979818	21	—	—
298176 2002 TE_{166}	15.9	X	71.23778	135.92600	252.17938	13.48522	0.0845340	0.22420332	2.6835397	21	—	—
298177 2002 TM_{166}	16.1	X	68.63658	61.87041	268.42114	12.66293	0.1683802	0.21715912	2.7412627	21	12 25.6	20.1
298178 2002 TV_{166}	16.0	X	93.74365	81.29472	258.86411	13.35485	0.1442257	0.22121843	2.7076249	21	—	—
298179 2002 TO_{167}	16.1	X	116.61163	59.23788	289.15700	11.33500	0.1701842	0.22525074	2.6752143	21	—	—
298180 2002 TR_{169}	16.1	X	62.10415	288.59748	16.85122	9.24944	0.1550665	0.21126470	2.7920172	21	11 13.5	20.1
298181 2002 TW_{172}	15.9	X	6.01357	14.28484	24.43769	16.50522	0.1989449	0.21440654	2.7646746	21	—	—
298182 2002 TH_{175}	16.2	X	36.92016	39.15314	42.43851	13.89142	0.2415211	0.22280496	2.6947562	21	—	—
298183 2002 TY_{189}	16.3	X	66.56209	59.78203	289.09005	6.52595	0.1246040	0.21717990	2.7410879	21	—	—
298184 2002 TS_{193}	16.0	X	30.79273	37.63712	1.99098	8.46579	0.1415145	0.21783231	2.7356121	21	—	—
298185 2002 TW_{196}	16.3	X	93.15232	306.37952	0.02121	4.80002	0.1535634	0.21720659	2.7408634	21	12 19.9	20.6
298186 2002 TD_{197}	16.2	X	73.95170	145.53744	248.22241	4.93548	0.1484813	0.22410035	2.6843616	21	—	—
298187 2002 TP_{197}	16.5	X	92.14858	348.67192	343.81685	2.91460	0.1929193	0.21927837	2.7235719	21	—	—
298188 2002 TO_{199}	15.7	X	97.28511	32.57860	249.08306	12.19651	0.1484987	0.21406606	2.7676054	21	11 23.5	19.9
298189 2002 TL_{203}	15.7	X	78.74379	241.54042	163.74145	14.73293	0.1202548	0.22522026	2.6754556	21	—	—
298190 2002 TQ_{205}	15.9	X	75.50147	128.68323	244.21451	7.82835	0.1505165	0.21993597	2.7181404	21	—	—
298191 2002 TL_{230}	16.1	X	11.12435	307.67235	93.95814	13.67027	0.2001944	0.21446551	2.7641679	21	—	—
298192 2002 TV_{235}	16.5	X	53.81694	80.67150	321.37764	12.27948	0.2174594	0.21987465	2.7186456	21	—	—
298193 2002 TL_{239}	16.3	X	355.30121	103.33170	289.83420	3.67295	0.1649574	0.21167242	2.7884308	21	12 2.9	19.2
298194 2002 TO_{244}	16.9	X	331.96659	205.18889	225.73424	1.30438	0.0388033	0.21275809	2.7789368	21	12 8.9	20.5
298195 2002 TU_{256}	15.8	X	2.47751	91.47184	35.32372	10.10355	0.2489529	0.22039914	2.7143309	21	—	—
298196 2002 TA_{262}	16.3	X	9.74928	266.12860	188.18971	13.85721	0.1726874	0.21973675	2.7197830	21	—	—
298197 2002 TG_{274}	16.2	X	12.38169	175.09273	226.20516	8.39539	0.2481730	0.21337160	2.7736073	21	—	—
298198 2002 TH_{279}	15.8	X	39.53402	41.00158	355.82146	9.16533	0.1494717	0.21723580	2.7406177	21	—	—
298199 2002 TT_{279}	16.0	X	86.99830	28.88234	292.72375	7.36376	0.2851396	0.21756814	2.7378261	21	—	—
298200 2002 TP_{280}	15.9	X	40.76161	1.11159	353.20311	12.32321	0.1704366	0.21274610	2.7790412	21	12 23.4	19.9
298201 2002 TN_{282}	15.5	X	85.47118	133.90155	227.67658	15.39732	0.2756079	0.22041401	2.7142088	21	—	—
298202 2002 TZ_{292}	15.6	X	64.79371	145.54494	257.77938	8.44148	0.2211128	0.21889131	2.7267817	21	—	—
298203 2002 TC_{296}	15.5	X	37.06799	133.48850	254.15615	14.94925	0.3587639	0.21487983	2.7606136	21	—	—
298204 2002 TJ_{298}	16.6	X	49.18127	50.65790	356.55700	4.79547	0.2364062	0.21905880	2.7253916	21	—	—
298205 2002 TS_{298}	16.4	X	106.49431	310.53466	1.16082	4.47633	0.3078110	0.21909927	2.7250560	21	—	—
298206 2002 TR_{299}	16.3	X	109.37186	42.87572	269.35576	3.26130	0.0651707	0.21578021	2.7529287	21	—	—
298207 2002 TT_{311}	16.0	X	143.45353	263.37518	56.07642	13.58516	0.1886279	0.22477869	2.6789583	21	—	—
298208 2002 TS_{318}	16.8	X	350.61374	209.60309	199.14871	6.21816	0.0080754	0.21634745	2.7481148	21	12 5.7	20.5
298209 2002 TD_{330}	16.6	X	204.49980	0.02161	176.02583	9.44171	0.0989428	0.21159462	2.7891143	21	11 2.2	20.8
298210 2002 TW_{339}	16.3	X	66.04481	195.17463	132.43446	5.31963	0.0686718	0.21388961	2.7691273	21	12 7.3	20.2
298211 2002 TB_{351}	16.4	X	141.75586	118.34194	195.94250	14.40159	0.1524531	0.22707226	2.6608884	21	—	—
298212 2002 TD_{354}	17.0	X	75.15760	102.48619	220.46740	5.16857	0.0482151	0.21674883	2.7447210	21	12 9.8	20.9
298213 2002 TE_{355}	17.1	X	16.33467	185.29302	217.23922	4.30111	0.1626240	0.21716152	2.7412426	21	—	—
298214 2002 TN_{355}	16.7	X	28.36716	163.87716	209.28634	5.38510	0.0319999	0.21637529	2.7478790	21	12 11.8	20.5
298215 2002 TS_{374}	16.1	X	335.05816	115.69723	299.56585	6.60322	0.1768830	0.20907540	2.8114741	21	11 23.3	18.9
298216 2002 TT_{375}	16.0	X	79.66173	296.70053	29.93620	8.00876	0.2282244	0.21568868	2.7537076	21	—	—
298217 2002 TF_{382}	16.0	X	69.20115	321.77566	49.92509	10.26711	0.1505735	0.22063856	2.7123670	21	—	—
298218 2002 TT_{382}	16.3	X	324.49327	65.15642	44.24411	5.32502	0.0561039	0.21572418	2.7534054	21	—	—
298219 2002 TF_{385}	16.3	X	9.40792	274.73409	120.87432	5.41542	0.0786902	0.21377559	2.7701118	21	12 19.9	19.8
298220 2002 UF_{6}	15.7	X	6.35278	354.86084	61.18076	12.29415	0.2309637	0.21434189	2.7652306	21	—	—
298221 2002 UD_{7}	15.8	X	48.08256	323.52190	82.74792	11.82134	0.0952611	0.21978882	2.7193534	21	—	—
298222 2002 UT_{24}	16.2	X	15.87634	214.56567	210.00695	5.80333	0.1026581	0.21680206	2.7442718	21	—	—
298223 2002 UB_{33}	16.5	X	23.86276	143.08516	233.79625	7.04463	0.2392144	0.21228384	2.7830740	21	—	—
298224 2002 UC_{36}	16.0	X	7.86448	342.72045	55.73511	15.90803	0.1041671	0.21140719	2.7907625	21	12 22.3	19.6
298225 2002 UR_{43}	16.6	X	266.68440	316.41831	209.72574	2.73922	0.1480322	0.21345367	2.7728963	21	12 26.3	20.0
298226 2002 UA_{45}	16.6	X	4.69690	247.71813	159.14542	8.14734	0.2278720	0.21274099	2.7790857	21	—	—
298227 2002 UO_{46}	16.1	X	73.62901	337.29489	2.54646	9.11343	0.1656932	0.21607467	2.7504271	21	—	—
298228 2002 UY_{46}	16.5	X	344.42898	339.67415	81.71547	9.12511	0.2047124	0.21146630	2.7902424	21	12 25.2	19.1
298229 2002 UG_{63}	16.9	X	318.07981	225.27536	208.86314	4.82240	0.0381621	0.21424624	2.7660535	21	11 24.7	20.4
298230 2002 UU_{63}	16.2	X	176.78201	271.40403	7.19531	11.37910	0.0539096	0.22429952	2.6827723	21	—	—
298231 2002 UL_{75}	16.7	X	40.90997	337.67677	46.99298	4.11624	0.1085916	0.21548453	2.7554465	21	—	—
298232 2002 UA_{77}	16.8	X	335.32954	291.27610	151.19548	2.57876	0.1964075	0.21111531	2.7933342	21	—	—
298233 2002 UH_{77}	16.4	X	3.00716	351.79431	59.34073	7.13501	0.0346966	0.21298129	2.7769949	21	12 25.5	20.0
298234 2002 UE_{78}	15.9	X	55.78815	150.17671	225.82074	8.85716	0.0857999	0.21678289	2.7444336	21	—	—
298235 2002 VC_{4}	16.4	X	22.28032	152.35352	233.78883	3.50671	0.1185298	0.21294438	2.7773158	21	12 30.7	20.0
298236 2002 VQ_{7}	15.8	X	336.05739	157.52857	294.05111	8.16765	0.2517508	0.21334448	2.7738424	21	—	—
298237 2002 VM_{13}	15.9	X	356.96817	354.31677	49.05379	2.09072	0.1735209	0.20992067	2.8039219	21	12 20.6	19.0
298238 2002 VP_{13}	15.4	X	287.80675	226.43182	232.23929	12.20027	0.0593729	0.20653511	2.8344804	21	11 10.1	19.1
298239 2002 VB_{16}	16.2	X	30.11703	32.02128	32.31972	13.85949	0.1416265	0.21826858	2.7319657	21	—	—
298240 2002 VS_{22}	16.3	X	55.36168	329.55549	44.46832	8.74742	0.2357360	0.21626835	2.7487847	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
298241 2002 VC_{28}	15.8	X	27.54951	156.24522	228.14776	9.44903	0.1723121	0.21210634	2.7846265	21	—	—
298242 2002 VP_{36}	16.5	X	352.07485	242.28305	185.04563	2.44748	0.1714006	0.21250509	2.7811419	21	—	—
298243 2002 VY_{42}	16.1	X	53.38877	309.37230	51.22872	6.47619	0.0780807	0.21339687	2.7733884	21	—	—
298244 2002 VB_{44}	15.3	X	210.07785	220.41557	279.20188	15.82616	0.2824583	0.19712007	2.9240322	21	8 31.0	20.8
298245 2002 VC_{44}	16.0	X	50.47628	154.01620	215.76418	8.50940	0.1687804	0.21444120	2.7643767	21	—	—
298246 2002 VW_{50}	16.4	X	64.64992	274.68208	85.17599	10.07033	0.2266907	0.21762948	2.7373115	21	—	—
298247 2002 VL_{51}	15.7	X	315.66216	13.25001	61.53859	13.16526	0.1005334	0.20865641	2.8152365	21	11 18.2	19.0
298248 2002 VE_{52}	15.9	X	28.34690	305.15391	104.05226	5.75408	0.1271256	0.21693356	2.7431626	21	—	—
298249 2002 VZ_{53}	16.2	X	51.52262	3.60840	8.50344	13.44819	0.1204914	0.21552098	2.7551358	21	—	—
298250 2002 VO_{54}	15.9	X	6.08960	59.36175	359.11589	12.27791	0.1068676	0.21410978	2.7672287	21	—	—
298251 2002 VP_{58}	15.6	X	16.47339	130.03088	224.48280	14.13425	0.2117768	0.20684406	2.8316572	21	11 23.9	18.8
298252 2002 VE_{61}	16.1	X	37.81789	122.04858	257.01450	4.61086	0.0775848	0.21401719	2.7680267	21	—	—
298253 2002 VF_{61}	16.0	X	349.09379	29.52150	14.13687	6.60976	0.0718991	0.20991140	2.8040044	21	11 27.5	19.5
298254 2002 VG_{78}	13.0	X	224.02230	172.07272	227.49907	18.32498	0.1103017	0.08350524	5.1839432	21	6 3.9	20.3
298255 2002 VS_{87}	16.0	X	6.62313	130.95066	281.10869	3.91916	0.1634461	0.21198434	2.7856948	21	—	—
298256 2002 VP_{96}	16.4	X	24.84793	158.28682	271.03820	6.64280	0.2453814	0.21744493	2.7388602	21	—	—
298257 2002 VZ_{96}	16.0	X	324.67012	101.11209	8.67628	12.49965	0.1846940	0.21238503	2.7821900	21	—	—
298258 2002 VT_{102}	15.9	X	52.21123	117.33186	258.63518	3.84612	0.0597635	0.21488166	2.7605979	21	—	—
298259 2002 VW_{117}	15.9	X	10.78729	62.24858	12.05015	32.33853	0.2712518	0.21366142	2.7710986	21	—	—
298260 2002 VS_{123}	15.7	X	81.19611	62.12218	278.65074	7.81097	0.1459295	0.21630904	2.7484400	21	—	—
298261 2002 VA_{143}	16.4	X	18.06316	299.56698	79.06189	10.46376	0.1426365	0.21054028	2.7984180	21	12 17.9	19.8
298262 2002 VD_{144}	16.3	X	61.84401	252.23390	106.27479	1.77989	0.0836045	0.21428302	2.7657369	21	—	—
298263 2002 WN_{15}	16.4	X	8.25585	329.07543	97.30439	9.40727	0.2090177	0.21361069	2.7715373	21	—	—
298264 2002 WH_{16}	15.9	X	50.61926	168.57409	219.42283	13.11398	0.1578794	0.21467159	2.7623986	21	—	—
298265 2002 WS_{16}	16.4	X	27.29342	282.27697	111.36103	8.75000	0.2352932	0.21242850	2.7818104	21	—	—
298266 2002 WU_{18}	16.5	X	86.06168	246.22492	105.19732	10.56012	0.3576168	0.21972964	2.7198416	21	—	—
298267 2002 WL_{20}	16.2	X	349.26205	195.96309	227.53571	3.93601	0.1420125	0.21139781	2.7908451	21	12 30.8	19.4
298268 2002 XG	16.3	X	34.68359	182.49517	209.27932	4.66900	0.1621486	0.21324435	2.7747106	21	—	—
298269 2002 XY	15.2	X	357.36497	165.24370	256.15658	12.75502	0.1641824	0.21226708	2.7832205	21	—	—
298270 2002 XW_{2}	16.1	X	55.83820	270.62401	110.16876	9.53949	0.2015579	0.21581572	2.7526268	21	—	—
298271 2002 XY_{5}	16.0	X	338.86096	34.60850	72.64600	10.16727	0.2391810	0.21334687	2.7738217	21	—	—
298272 2002 XY_{6}	15.8	X	62.53529	96.23315	315.91128	7.41012	0.2914058	0.22174544	2.7033332	21	—	—
298273 2002 XJ_{12}	15.5	X	51.14485	45.84761	310.41099	8.21249	0.1371016	0.21167765	2.7883849	21	—	—
298274 2002 XY_{23}	15.7	X	46.41371	13.92314	9.06805	9.07226	0.1671222	0.21425369	2.7659894	21	—	—
298275 2002 XF_{30}	16.1	X	78.05445	40.16712	340.94924	10.39135	0.2035089	0.21900437	2.7258431	21	—	—
298276 2002 XE_{33}	16.3	X	358.15138	297.76444	141.62808	8.44609	0.2025654	0.21236628	2.7823537	21	—	—
298277 2002 XG_{46}	15.6	X	92.48087	124.42512	252.03017	13.66085	0.1671246	0.22219935	2.6996504	21	—	—
298278 2002 XL_{54}	15.7	X	20.77387	323.36697	90.82861	11.05859	0.2693637	0.21370931	2.7706846	21	—	—
298279 2002 XV_{66}	16.0	X	4.71198	161.43396	256.25559	6.95515	0.2096203	0.21157877	2.7892536	21	—	—
298280 2002 XZ_{83}	16.4	X	5.62615	309.21825	114.28640	12.60996	0.2777567	0.21276181	2.7789044	21	—	—
298281 2002 XD_{94}	16.1	X	16.98416	196.33854	201.72219	5.26536	0.0635677	0.21171567	2.7880510	21	12 30.5	19.8
298282 2002 XL_{98}	16.5	X	18.50932	314.50718	81.52329	5.96157	0.1662363	0.21180502	2.7872668	21	—	—
298283 2002 XW_{100}	16.3	X	205.93135	239.44032	242.81087	2.67353	0.1525649	0.19377129	2.9576249	21	8 20.7	21.1
298284 2002 YC_{13}	15.9	X	30.37774	109.37482	270.27661	7.16878	0.1638660	0.20985314	2.8045234	21	—	—
298285 2002 YD_{31}	15.4	X	172.33625	168.37339	290.76253	9.82511	0.0766605	0.18344470	3.0676039	21	6 22.3	20.1
298286 2003 AG_{3}	15.6	X	103.78643	339.16474	260.95848	10.99118	0.0228168	0.19812949	2.9140923	21	9 19.9	20.0
298287 2003 AF_{22}	15.5	X	221.16126	38.46766	75.44336	9.06051	0.1735927	0.19190648	2.9767541	21	8 28.7	20.3
298288 2003 AC_{68}	16.0	X	332.94689	273.33491	120.31991	3.77964	0.1880837	0.19988942	2.8969623	21	10 20.2	18.9
298289 2003 AF_{70}	15.4	X	71.63516	264.37012	297.30324	10.68326	0.0315313	0.18229008	3.0805436	21	6 27.7	19.6
298290 2003 AZ_{72}	15.7	X	166.15508	155.09544	7.43422	4.61092	0.1697428	0.18943795	3.0025579	21	9 4.5	20.6
298291 2003 AL_{86}	15.7	X	348.41739	330.55498	104.73065	14.76055	0.1672415	0.21061633	2.7977443	21	—	—
298292 2003 AC_{90}	16.1	X	349.88369	317.73132	73.65932	3.37480	0.0158251	0.20400397	2.8578777	21	11 11.1	20.0
298293 2003 BA_{10}	15.2	X	108.92932	272.69300	274.43493	9.99059	0.0901728	0.18420328	3.0591761	21	7 31.2	19.8
298294 2003 BX_{11}	15.4	X	181.08567	161.38732	321.81849	15.81229	0.0396930	0.18464748	3.0542679	21	8 2.9	19.9
298295 2003 BW_{18}	15.2	X	84.34442	240.34503	296.42861	19.31922	0.1356208	0.17757371	3.1348512	21	6 28.8	19.7
298296 2003 BC_{27}	15.7	X	158.19928	207.22169	296.83621	8.06541	0.1707317	0.18290901	3.0735904	21	8 3.9	20.9
298297 2003 BF_{32}	15.5	X	329.44602	221.32297	135.39646	11.63290	0.0979005	0.19050463	2.9913394	21	8 25.8	19.1
298298 2003 BH_{39}	15.6	X	295.91445	276.59796	137.21470	13.66101	0.1392039	0.19504469	2.9447378	21	9 15.7	19.3
298299 2003 BH_{62}	15.6	X	175.63096	150.36952	334.90067	13.42369	0.2730072	0.18311987	3.0712304	21	7 31.2	21.2
298300 2003 BL_{78}	16.2	X	223.07320	114.65016	354.76316	6.59584	0.1769712	0.19139758	2.9820282	21	8 22.2	21.0
298301 2003 BH_{94}	15.6	X	345.94076	307.44814	7.30669	11.84175	0.1272439	0.18524258	3.0477230	21	7 28.5	19.4
298302 2003 CW_{11}	16.2	X	218.16780	143.49904	336.49903	9.33256	0.1761012	0.19046889	2.9917136	21	8 29.0	21.0
298303 2003 CY_{16}	16.0	X	139.06790	57.25538	110.96751	1.36370	0.1923148	0.18269111	3.0760338	21	8 18.6	21.0
298304 2003 CN_{18}	17.4	X	342.31595	76.98676	335.15028	3.19701	0.1538770	0.30629948	2.1795753	21	—	—
298305 2003 DO	17.2	X	119.82039	220.64614	325.31628	6.04816	0.1034230	0.29011014	2.2599254	21	8 20.1	20.2
298306 2003 DG_{1}	16.9	X	100.45431	248.82913	332.29236	7.99686	0.0887115	0.29291224	2.2454896	21	9 11.5	19.9
298307 2003 DZ_{7}	16.8	X	351.06192	273.85763	339.58531	6.61855	0.2026366	0.27735306	2.3287028	21	4 14.6	18.9
298308 2003 DR_{12}	15.7	X	136.12884	164.26855	339.99941	14.29954	0.1238777	0.17877273	3.1208187	21	7 16.3	20.7
298309 2003 DK_{18}	15.5	X	232.44370	339.41875	99.85916	11.13018	0.0397480	0.18587431	3.0408137	21	8 8.4	19.9
298310 2003 EV_{3}	17.3	X	67.29382	32.24816	165.93909	6.23984	0.1534830	0.28269950	2.2992491	21	7 4.1	19.9
298311 2003 EJ_{11}	17.6	X	119.27420	357.92315	191.08278	5.17992	0.1696319	0.28899815	2.2657188	21	8 28.1	20.9
298312 2003 EE_{18}	15.4	X	27.96938	93.46610	117.02002	6.37150	0.1227034	0.17127948	3.2111887	21	5 18.3	19.3
298313 2003 EV_{26}	15.6	X	81.34744	209.07088	347.77697	13.36412	0.1672626	0.17608418	3.1525052	21	7 27.5	20.2
298314 2003 ED_{33}	15.8	X	206.71216	309.77049	166.46076	16.82911	0.1713015	0.18502432	3.0501194	21	8 12.1	20.9
298315 2003 EG_{35}	15.5	X	132.15103	195.82707	335.59331	12.73318	0.2083932	0.17928745	3.1148427	21	8 18.4	20.6
298316 2003 ET_{38}	15.1	X	41.44795	254.35802	303.75411	13.17402	0.1662338	0.17051318	3.2208025	21	5 25.3	19.2
298317 2003 EL_{43}	14.9	X	36.26124	221.97796	2.99047	25.83073	0.1824157	0.17223593	3.1992896	21	6 27.7	19.3
298318 2003 ES_{44}	17.4	X	59.51554	256.20244	314.18923	5.02629	0.1796935	0.28182128	2.3040232	21	7 15.9	19.6
298319 2003 EC_{45}	17.0	X	8.42861	3.25600	234.85319	4.75596	0.1929788	0.27795588	2.3253347	21	5 6.2	18.2
298320 2003 EK_{50}	14.9	X	142.72779	127.32995	20.22858	17.01047	0.1368580	0.17758606	3.1347059	21	7 30.5	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
298321 2003 ED_{56}	15.2	X	284.24232	109.34934	169.82001	26.81500	0.1351464	0.16089757	3.3478788	21	3 10.2	20.0
298322 2003 ER_{61}	16.1	X	117.71425	347.27655	175.54469	7.42947	0.0443453	0.17863517	3.1224206	21	7 6.8	20.6
298323 2003 FG_{30}	15.6	X	128.87379	346.87516	154.25207	11.68827	0.1851565	0.17620419	3.1510737	21	7 6.2	20.8
298324 2003 FY_{32}	16.6	X	311.48499	304.79188	14.12030	12.36826	0.2488140	0.27885603	2.3203278	21	5 1.8	19.3
298325 2003 FB_{38}	16.0	X	149.34372	120.37986	2.65613	8.75432	0.1360428	0.17627960	3.1501750	21	7 1.4	21.1
298326 2003 FB_{41}	15.7	X	97.50759	22.35432	151.71304	11.69497	0.0850162	0.17669127	3.1452801	21	7 2.5	20.4
298327 2003 FK_{46}	15.5	X	165.57673	137.67832	10.32038	13.60286	0.0823880	0.18081707	3.0972512	21	8 20.5	20.4
298328 2003 FY_{47}	18.1	X	29.38320	218.21491	1.27609	5.21036	0.1798281	0.27717787	2.3296840	21	5 26.6	19.8
298329 2003 FV_{50}	16.5	X	343.35491	70.53842	227.67973	5.33288	0.1678990	0.28190302	2.3035779	21	6 20.3	18.3
298330 2003 FR_{59}	18.0	X	25.07259	20.65202	211.26872	4.59693	0.1833867	0.27833944	2.3231980	21	6 9.1	19.6
298331 2003 FZ_{86}	16.9	X	180.97556	214.39651	318.15185	5.48871	0.0726106	0.29482513	2.2357662	21	10 9.5	20.0
298332 2003 FA_{111}	16.7	X	296.18330	150.68225	114.73217	7.34150	0.2435990	0.26738730	2.3862111	21	2 7.0	20.1
298333 2003 FF_{111}	15.8	X	82.90568	192.58537	341.19282	8.68053	0.0423080	0.17300657	3.1897818	21	6 6.4	20.4
298334 2003 FQ_{113}	15.9	X	146.43263	327.76083	188.61471	16.50977	0.2079086	0.18060226	3.0997067	21	8 7.6	21.3
298335 2003 FL_{121}	17.5	X	141.86952	11.54175	181.47308	3.86215	0.0857100	0.29227214	2.2487669	21	9 23.8	20.3
298336 2003 FP_{123}	17.6	X	315.18403	308.37067	323.02663	1.63023	0.1845376	0.27409806	2.3471026	21	3 14.9	20.5
298337 2003 FZ_{130}	15.5	X	199.42590	282.22564	217.70172	15.59590	0.1697740	0.18433353	3.0577348	21	8 30.9	20.8
298338 2003 GG_{2}	16.2	X	207.50133	212.27646	293.75352	4.31621	0.1835704	0.18873579	3.0100003	21	9 16.9	21.1
298339 2003 GK_{9}	17.2	X	278.47156	88.57091	168.07166	4.65300	0.2521868	0.26258049	2.4152444	21	1 9.9	21.2
298340 2003 GN_{12}	16.0	X	138.68443	145.76638	5.83505	5.96774	0.1671382	0.17873115	3.1213027	21	7 29.1	21.0
298341 2003 GK_{31}	17.1	X	353.83504	217.30599	40.19138	8.63329	0.1552728	0.27610270	2.3357280	21	5 7.1	18.8
298342 2003 GM_{52}	17.6	X	50.13391	159.77023	53.70418	2.74917	0.1390902	0.27909565	2.3189996	21	6 25.9	19.7
298343 2003 HV_{6}	16.1	X	105.07059	142.89770	24.87397	2.50511	0.0726858	0.17382157	3.1798033	21	7 2.4	20.7
298344 2003 HF_{10}	17.8	X	346.30900	19.93931	233.68968	1.53343	0.1847866	0.27311616	2.3527247	21	4 10.9	19.8
298345 2003 HK_{21}	15.9	X	132.91770	333.98954	201.45462	5.04851	0.1977542	0.17739098	3.1370037	21	8 20.1	21.1
298346 2003 HH_{31}	17.7	X	350.55654	43.02573	201.12960	2.35779	0.1659697	0.27247709	2.3564020	21	4 8.1	19.6
298347 2003 HD_{42}	16.5	X	249.92496	189.78447	112.34024	9.37513	0.2968572	0.26179411	2.4200786	21	2 10.6	20.8
298348 2003 HT_{43}	15.6	X	239.22160	262.86469	205.62378	14.35056	0.1500668	0.18400421	3.0613822	21	9 3.3	20.4
298349 2003 JW_{10}	17.3	X	122.98694	63.64427	93.58595	6.59926	0.0689116	0.28343595	2.2952646	21	7 10.4	20.2
298350 2003 JY_{14}	18.1	X	349.52975	50.68808	220.04647	2.36497	0.1954351	0.27641482	2.3339695	21	5 15.6	19.9
298351 2003 KU_{9}	17.3	X	301.46371	127.26778	142.65556	6.21796	0.1781415	0.26747682	2.3856787	21	2 26.5	20.3
298352 2003 KC_{11}	16.6	X	286.41783	69.00973	213.87588	5.97229	0.2241132	0.26508892	2.3999839	21	2 18.4	20.3
298353 2003 KU_{16}	15.5	X	170.09404	311.33066	206.19334	15.56486	0.1727440	0.17798146	3.1300615	21	8 26.9	20.9
298354 2003 KW_{32}	17.2	X	267.71654	172.94176	154.48142	4.60253	0.1068627	0.27133528	2.3630081	21	4 13.6	20.4
298355 2003 LD_{4}	16.4	X	325.70682	154.25858	103.48773	13.05919	0.2331459	0.26812855	2.3818113	21	3 10.7	19.4
298356 2003 OE_{26}	16.7	X	96.74597	294.32879	215.55583	5.73017	0.0915046	0.26540046	2.3981054	21	5 29.1	19.6
298357 2003 OL_{32}	17.4	X	95.37633	40.29823	84.68802	1.73642	0.1666554	0.26105036	2.4246730	21	5 4.3	20.4
298358 2003 PQ_{8}	16.7	X	208.02714	78.15359	304.11375	7.99422	0.2681304	0.25857680	2.4401115	21	4 12.9	21.2
298359 2003 QG_{29}	16.7	X	148.95683	263.56374	92.32476	8.47230	0.3001789	0.24459816	2.5322151	21	2 5.5	20.9
298360 2003 QV_{57}	17.5	X	318.40140	107.67209	169.95642	22.66326	0.0594275	0.37135266	1.9169540	21	4 9.6	19.4
298361 2003 QR_{59}	17.2	X	251.31314	323.90617	356.54003	11.47868	0.2877632	0.25721751	2.4487007	21	3 6.1	21.6
298362 2003 QJ_{73}	17.5	X	49.55125	226.89849	338.51176	21.89950	0.0075480	0.37376837	1.9086854	21	5 5.2	20.1
298363 2003 QH_{89}	16.6	X	202.46933	193.43867	101.60339	3.51271	0.1294924	0.24766692	2.5112544	21	—	—
298364 2003 QM_{89}	17.3	X	171.84570	152.92636	228.28340	1.65053	0.1771834	0.25277792	2.4772887	21	3 15.0	21.3
298365 2003 QQ_{92}	16.9	X	199.30856	274.15919	81.92869	6.93041	0.3109919	0.25217913	2.4812087	21	3 14.8	21.6
298366 2003 QX_{95}	17.5	X	165.36582	113.53996	176.66394	7.38253	0.1929613	0.23899114	2.5716677	21	—	—
298367 2003 QB_{103}	17.9	X	243.70126	25.66559	338.04869	19.33519	0.0441181	0.37274009	1.9121941	21	4 17.6	20.4
298368 2003 QL_{105}	17.4	X	235.08645	330.47822	16.03411	21.17366	0.0907800	0.36625827	1.9346887	21	3 25.4	19.8
298369 2003 QW_{109}	17.0	X	209.35903	94.10978	300.39417	17.87238	0.0986932	0.36926985	1.9241554	21	4 18.4	19.9
298370 2003 RK_{2}	16.8	X	62.83158	240.23472	178.04869	30.88357	0.3583504	0.23380728	2.6095404	21	—	—
298371 2003 RY_{7}	17.1	X	9.45064	69.01522	182.20070	21.91586	0.0486940	0.37471612	1.9054657	21	5 29.7	19.3
298372 2003 RW_{17}	17.1	X	207.36325	343.44715	44.80247	3.24189	0.1867993	0.25785534	2.4446609	21	4 25.1	21.2
298373 2003 SX_{2}	16.2	X	73.55551	254.26769	187.05019	27.15465	0.1089609	0.24292425	2.5438342	21	1 19.4	19.8
298374 2003 SZ_{3}	17.0	X	56.15955	256.22159	186.39346	2.61560	0.1185928	0.24029409	2.5623630	21	—	—
298375 2003 SO_{31}	17.2	X	135.70972	329.13988	3.37808	2.97281	0.0972987	0.23680822	2.5874475	21	—	—
298376 2003 SU_{45}	14.5	X	77.72619	337.88332	43.33341	9.16901	0.2755929	0.12470724	3.9677254	21	1 8.8	19.7
298377 2003 SZ_{49}	15.9	X	180.08456	116.95117	306.33502	7.42412	0.2517511	0.25684313	2.4510796	21	5 14.3	20.3
298378 2003 SM_{51}	15.8	X	346.69317	126.57489	35.85055	8.85516	0.1112087	0.24243423	2.5472609	21	—	—
298379 2003 SP_{51}	16.7	X	179.84984	283.29689	131.98280	5.41232	0.1247130	0.25533927	2.4606942	21	5 5.2	20.5
298380 2003 ST_{58}	17.2	X	202.09888	142.82328	217.65021	9.03352	0.1932932	0.25387859	2.4701235	21	3 14.4	21.5
298381 2003 SK_{72}	17.0	X	215.54258	29.48322	348.79781	18.22964	0.0602411	0.36858613	1.9265342	21	4 4.5	19.5
298382 2003 SC_{76}	17.3	X	111.19779	49.56240	355.80620	5.76004	0.2620567	0.24240917	2.5474364	21	2 24.5	20.8
298383 2003 SD_{101}	16.5	X	112.79078	126.06348	227.37466	12.73631	0.1943071	0.23843493	2.5756655	21	—	—
298384 2003 SA_{116}	16.9	X	210.56857	146.08944	236.24918	4.47773	0.0960714	0.25697558	2.4502373	21	4 21.3	20.5
298385 2003 SU_{127}	17.2	X	278.76462	109.45591	191.93475	21.51320	0.0837817	0.36734549	1.9308694	21	3 7.5	19.5
298386 2003 SQ_{134}	17.4	X	178.95873	102.46872	10.51599	20.67846	0.0870529	0.37608391	1.9008429	21	7 29.5	20.2
298387 2003 SV_{148}	17.1	X	102.64448	1.72304	351.92285	2.41032	0.1821462	0.23534553	2.5981572	21	—	—
298388 2003 SS_{149}	16.8	X	107.84772	298.25567	125.01513	7.30996	0.2699257	0.24487523	2.5303046	21	3 17.9	20.3
298389 2003 SM_{166}	16.6	X	228.41361	211.57364	51.10089	4.73181	0.1403677	0.24478098	2.5309541	21	—	—
298390 2003 SV_{171}	16.8	X	359.49695	228.04553	330.06682	6.83580	0.0827659	0.25309219	2.4752376	21	2 28.0	19.5
298391 2003 SJ_{180}	17.2	X	157.31767	126.09155	252.05793	4.58344	0.1678271	0.24745138	2.5127125	21	2 23.8	21.2
298392 2003 ST_{188}	15.6	X	341.80871	86.58125	89.22393	4.50756	0.0884331	0.24464263	2.5319082	21	1 4.2	18.8
298393 2003 SW_{193}	14.9	X	61.26035	87.28730	329.51477	11.00050	0.2662042	0.12441684	3.9738970	21	1 25.6	19.7
298394 2003 SN_{201}	17.5	X	324.92942	84.42689	210.09628	21.52035	0.1583203	0.37447650	1.9062784	21	4 27.1	18.6
298395 2003 SA_{207}	17.1	X	121.68297	280.41231	95.84453	1.40069	0.1251050	0.24156671	2.5533557	21	1 10.2	20.3
298396 2003 SE_{236}	16.1	X	40.49163	300.24926	183.76597	3.59838	0.0770993	0.24605979	2.5221773	21	1 24.2	19.0
298397 2003 SE_{242}	16.9	X	311.09919	260.18872	269.31848	1.88500	0.0333735	0.23652911	2.5894825	21	—	—
298398 2003 SM_{242}	17.5	X	80.78569	62.72241	17.89834	7.80523	0.1613859	0.24129889	2.5552447	21	2 14.2	20.4
298399 2003 SR_{243}	17.7	X	219.02289	108.60336	173.30906	3.19063	0.1540761	0.24543639	2.5264464	21	—	—
298400 2003 SR_{253}	18.3	X	152.27428	176.45023	194.76422	10.92418	0.2923690	0.24541688	2.5265802	21	2 21.2	22.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
298401 2003 SS_{261}	16.9	X	129.23514	112.40305	223.35620	10.64256	0.2125140	0.23725839	2.5841734	21	—	—
298402 2003 SC_{263}	16.3	X	160.40596	261.91560	34.52958	10.00436	0.1738428	0.23867702	2.5739236	21	—	—
298403 2003 SK_{268}	17.6	X	148.13430	28.29707	291.16146	1.89548	0.0417184	0.23564755	2.5959367	21	—	—
298404 2003 SD_{269}	17.3	X	183.28676	120.85848	195.06401	5.27665	0.2535856	0.24439653	2.5336076	21	1 10.6	21.7
298405 2003 SE_{270}	16.9	X	120.52159	244.30592	134.43332	7.95851	0.1971214	0.24066492	2.5597302	21	1 22.3	20.3
298406 2003 SZ_{270}	16.7	X	141.34741	293.19269	62.57843	13.91885	0.2837665	0.24295149	2.5436440	21	1 30.2	20.9
298407 2003 SU_{271}	16.3	X	114.67805	312.80048	91.10102	14.59557	0.1909853	0.24441769	2.5334614	21	2 19.9	19.9
298408 2003 SL_{280}	16.7	X	45.55005	109.07601	337.17079	4.88357	0.0760770	0.23960185	2.5672960	21	—	—
298409 2003 SR_{294}	17.0	X	133.16766	199.94812	189.23069	13.76707	0.2546021	0.24236172	2.5477689	21	2 22.9	21.1
298410 2003 SK_{296}	16.1	X	125.43358	341.25523	337.52175	15.71765	0.2152384	0.23521765	2.5990988	21	—	—
298411 2003 SQ_{296}	16.1	X	202.19022	318.25053	316.94702	14.03202	0.1690064	0.23999202	2.5645127	21	—	—
298412 2003 SB_{304}	16.0	X	135.38073	121.26124	254.30366	12.25406	0.0562705	0.24231988	2.5480622	21	1 13.8	19.6
298413 2003 SH_{307}	15.9	X	174.30116	65.65923	295.72653	12.72672	0.1675254	0.24666326	2.5180619	21	2 17.5	20.0
298414 2003 ST_{307}	16.9	X	214.18782	328.42769	303.71827	4.02866	0.1949426	0.24442517	2.5334097	21	—	—
298415 2003 SF_{322}	16.3	X	53.90560	309.78466	132.16359	9.64568	0.1658022	0.23691864	2.5866434	21	—	—
298416 2003 SO_{322}	16.5	X	190.62313	82.46677	268.50691	4.74632	0.0472924	0.24697542	2.5159397	21	2 16.6	20.0
298417 2003 SK_{325}	15.7	X	73.63509	83.62394	286.41149	3.74238	0.1650342	0.12509741	3.9594709	21	—	—
298418 2003 SW_{331}	16.3	X	165.12994	341.51538	18.45521	10.72043	0.2582299	0.24305528	2.5429199	21	2 22.7	20.7
298419 2003 SP_{346}	17.1	X	290.98594	17.10476	176.83797	8.11238	0.1587497	0.24118602	2.5560418	21	—	—
298420 2003 SO_{361}	14.6	X	66.38537	355.75289	41.84756	5.11682	0.0974850	0.12531686	3.9548473	21	—	—
298421 2003 SR_{380}	17.3	X	49.28476	28.36790	46.59911	2.21387	0.1664114	0.23772172	2.5808146	21	—	—
298422 2003 SV_{406}	16.3	X	175.77347	222.84810	81.87606	12.71260	0.1620686	0.23936592	2.5689827	21	—	—
298423 2003 SB_{407}	16.4	X	209.62141	144.71543	86.78698	13.72204	0.2046737	0.23128652	2.6284668	21	—	—
298424 2003 SG_{423}	17.0	X	50.87928	230.21916	192.12520	14.20666	0.0659443	0.23563473	2.5960309	21	—	—
298425 2003 TU	16.8	X	107.87219	245.68025	231.80041	21.18424	0.0769002	0.36534442	1.9379135	21	4 10.2	18.9
298426 2003 TJ_{12}	17.5	X	71.12193	35.74794	38.44457	6.16708	0.2942067	0.23837208	2.5761182	21	2 8.3	19.7
298427 2003 TW_{15}	16.6	X	94.99945	284.24799	145.75594	6.48369	0.2198378	0.24219479	2.5489395	21	2 28.5	19.5
298428 2003 TR_{51}	16.9	X	80.43973	274.54570	229.83109	19.32831	0.0837331	0.36560440	1.9369947	21	4 7.5	18.7
298429 2003 TN_{53}	16.7	X	240.67598	53.33819	170.34630	7.48237	0.0155367	0.23541096	2.5976757	21	—	—
298430 2003 TF_{57}	16.1	X	135.25977	55.82999	289.50862	12.41706	0.0856861	0.23859102	2.5745421	21	—	—
298431 2003 TO_{58}	16.8	X	114.34897	169.52162	240.78640	6.96812	0.3144012	0.24011682	2.5636240	21	3 9.0	20.6
298432 2003 UY_{1}	16.5	X	191.48365	343.65530	281.81038	2.57510	0.0373994	0.23460719	2.6036054	21	—	—
298433 2003 US_{10}	16.0	X	79.03575	23.81639	24.15828	16.07250	0.1378314	0.23575514	2.5951468	21	—	—
298434 2003 UT_{10}	17.2	X	144.86187	301.34172	64.76070	10.37419	0.2625897	0.24209071	2.5496699	21	2 13.3	21.4
298435 2003 UO_{13}	17.3	X	145.70506	156.08102	324.44531	18.03386	0.0714295	0.37117324	1.9175717	21	6 16.2	19.8
298436 2003 UG_{16}	16.0	X	77.46773	22.04666	41.55794	13.42118	0.2773825	0.23749275	2.5824731	21	2 6.6	18.8
298437 2003 UN_{19}	16.5	X	49.63551	184.84715	219.97447	13.02320	0.1685872	0.23228088	2.6209601	21	—	—
298438 2003 UU_{20}	16.8	X	297.35541	199.42341	55.78738	27.31834	0.0209693	0.35708496	1.9676825	21	2 23.4	19.8
298439 2003 UB_{24}	16.8	X	79.95585	233.76178	205.42954	4.99915	0.1161645	0.24213514	2.5493581	21	1 30.0	19.7
298440 2003 UQ_{28}	16.9	X	74.59506	180.59708	213.64395	2.93116	0.0887467	0.23333285	2.6130765	21	—	—
298441 2003 UW_{31}	17.6	X	90.01743	242.65800	194.94432	12.73867	0.1515182	0.24315195	2.5422458	21	2 15.9	20.7
298442 2003 UQ_{34}	17.3	X	256.87633	43.81396	216.66097	7.67820	0.0503571	0.24420675	2.5349201	21	1 10.5	21.0
298443 2003 UV_{36}	16.0	X	99.71829	116.80221	265.15863	12.96123	0.1780936	0.23681414	2.5874043	21	—	—
298444 2003 UD_{46}	17.1	X	214.35593	263.55225	35.60940	12.10096	0.1178192	0.24344737	2.5401888	21	1 15.7	21.3
298445 2003 US_{53}	17.1	X	70.57624	50.26068	353.13072	8.93972	0.1166732	0.23441902	2.6049985	21	—	—
298446 2003 UQ_{55}	17.0	X	65.89616	57.47241	1.33171	4.77440	0.2322287	0.23445053	2.6047651	21	—	—
298447 2003 UE_{56}	17.2	X	137.90359	232.35070	158.09505	6.23310	0.2221906	0.24437964	2.5337244	21	2 28.0	20.9
298448 2003 UM_{58}	16.6	X	127.37292	75.48417	235.42391	7.31027	0.2310146	0.23512577	2.5997758	21	—	—
298449 2003 US_{64}	16.1	X	131.12259	294.00279	129.82439	13.26644	0.1732218	0.24620057	2.5212158	21	4 3.6	20.0
298450 2003 UH_{68}	16.7	X	38.70408	247.72324	195.39818	10.47451	0.1335270	0.23541034	2.5976803	21	—	—
298451 2003 UF_{73}	16.9	X	188.40220	122.60349	217.53999	10.98178	0.1003163	0.24410210	2.5356445	21	2 2.0	20.9
298452 2003 UF_{76}	17.1	X	145.33248	126.63447	261.69353	10.63063	0.1852337	0.24573768	2.5243809	21	2 23.3	21.2
298453 2003 UA_{78}	16.5	X	75.65420	72.51974	341.37226	3.74209	0.2015959	0.23685249	2.5871250	21	1 2.2	19.0
298454 2003 UG_{84}	17.3	X	169.29716	250.90457	38.17071	12.82802	0.1552447	0.23541411	2.5976525	21	—	—
298455 2003 UC_{89}	16.8	X	339.63919	304.03839	219.40840	16.45973	0.1257464	0.23498511	2.6008132	21	—	—
298456 2003 UV_{95}	15.1	X	61.75974	1.55576	56.02927	2.98403	0.2510372	0.12285246	4.0075610	21	1 24.4	20.0
298457 2003 UF_{109}	16.6	X	118.88885	9.12781	3.05610	9.98783	0.1084005	0.23764665	2.5813581	21	—	—
298458 2003 UX_{119}	17.1	X	148.44061	70.66917	245.67783	3.14413	0.1894483	0.23771352	2.5808740	21	—	—
298459 2003 UY_{126}	17.2	X	335.75167	257.99122	232.13834	2.77830	0.1984882	0.23013314	2.6372418	21	—	—
298460 2003 UF_{128}	16.2	X	161.53514	67.84480	252.29008	8.34818	0.0231851	0.23655373	2.5893029	21	—	—
298461 2003 UV_{128}	18.2	X	84.35035	201.87650	220.49274	3.29579	0.1849070	0.23880808	2.5729818	21	1 25.4	21.1
298462 2003 UJ_{142}	16.2	X	91.82268	210.14326	176.09665	18.27426	0.2076545	0.23694288	2.5864670	21	—	—
298463 2003 UM_{145}	17.2	X	118.85417	324.90931	56.91002	6.92196	0.2585197	0.23925899	2.5697480	21	2 4.9	20.8
298464 2003 UL_{150}	17.1	X	83.57323	68.18057	352.29647	1.78520	0.2892667	0.23748359	2.5825395	21	2 9.8	19.6
298465 2003 UG_{151}	16.5	X	62.66258	52.64878	2.15664	14.52540	0.1206951	0.23492665	2.6012446	21	—	—
298466 2003 UQ_{158}	16.4	X	54.63096	35.00745	40.43090	13.67317	0.1481607	0.23477266	2.6023819	21	—	—
298467 2003 UW_{169}	17.4	X	161.61520	89.28085	261.16000	4.62871	0.2513712	0.24342580	2.5403388	21	2 2.4	21.6
298468 2003 UW_{188}	15.9	X	151.52345	325.01216	12.50769	10.46396	0.1437773	0.23910164	2.5708753	21	—	—
298469 2003 UE_{197}	16.7	X	135.97767	329.33213	68.21797	3.70460	0.1247957	0.24432142	2.5341269	21	2 25.2	20.2
298470 2003 UY_{199}	17.3	X	177.84435	294.97201	58.13323	4.60478	0.1802641	0.24642157	2.5197081	21	2 17.8	21.3
298471 2003 UA_{201}	16.2	X	222.90388	136.17005	182.90718	4.58392	0.0337333	0.24681171	2.5170521	21	2 14.7	19.8
298472 2003 UO_{202}	16.6	X	153.20673	261.31454	125.38911	2.41452	0.0574503	0.24509828	2.5287692	21	2 21.9	20.0
298473 2003 UT_{205}	16.9	X	159.03697	129.99889	239.77132	11.24430	0.2763913	0.24376766	2.5379632	21	2 21.4	21.4
298474 2003 UW_{205}	15.8	X	90.85793	202.68435	240.67015	11.57172	0.2673969	0.23950628	2.5679789	21	3 14.6	19.2
298475 2003 UY_{211}	16.3	X	101.36608	167.15310	218.32212	12.74351	0.1356008	0.23630351	2.5911304	21	—	—
298476 2003 UE_{212}	16.2	X	272.57607	47.97708	207.84143	7.53826	0.1053548	0.24274592	2.5450799	21	1 17.5	20.0
298477 2003 UZ_{215}	17.2	X	152.30919	259.33621	86.91916	4.09379	0.1912424	0.24141294	2.5544399	21	1 16.6	20.9
298478 2003 UR_{218}	16.6	X	87.67685	356.87188	76.86149	6.26809	0.1242063	0.24107774	2.5568072	21	2 9.2	19.6
298479 2003 UH_{225}	16.5	X	80.11013	57.71379	9.42844	5.23744	0.1423231	0.23900906	2.5715391	21	1 21.4	19.3
298480 2003 UN_{227}	16.6	X	143.35462	98.29965	279.26844	3.44008	0.1065311	0.24247267	2.5469916	21	2 3.7	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
298481 2003 UZ_{232}	17.2	X	146.55015	327.11618	30.18362	5.28755	0.2008503	0.24175901	2.5520016	21	1 26.6	21.0
298482 2003 UW_{238}	16.2	X	291.35817	228.99593	7.32255	5.29125	0.1252549	0.24616177	2.5214807	21	1 13.9	19.9
298483 2003 UL_{249}	17.0	X	106.16619	158.26191	291.13185	2.88834	0.0424858	0.24739813	2.5130730	21	3 11.3	20.2
298484 2003 UQ_{261}	15.0	X	103.48755	153.12354	211.97555	7.50221	0.1901203	0.12448427	3.9724618	21	1 7.5	20.7
298485 2003 UT_{261}	16.1	X	238.58034	213.31970	34.75552	12.80154	0.1367080	0.23857305	2.5746713	21	—	—
298486 2003 UK_{264}	16.9	X	62.34414	237.15615	168.60465	6.54372	0.2009853	0.23283374	2.6168095	21	—	—
298487 2003 US_{264}	16.0	X	18.65042	9.94168	85.18233	9.07685	0.1473844	0.23140114	2.6275988	21	—	—
298488 2003 UY_{265}	16.9	X	58.12259	201.65870	221.65896	5.15183	0.2075144	0.23398712	2.6082032	21	—	—
298489 2003 UX_{266}	16.8	X	137.00681	305.22243	58.47633	7.96377	0.2206637	0.24013598	2.5634876	21	1 27.8	20.6
298490 2003 UR_{268}	16.9	X	131.10371	351.96402	36.16101	4.00845	0.1413958	0.24116593	2.5561838	21	2 10.1	20.4
298491 2003 UD_{276}	16.1	X	88.50411	182.91559	236.96798	9.07447	0.1883636	0.23806610	2.5783251	21	1 27.4	19.1
298492 2003 UO_{276}	16.6	X	106.17237	74.65490	338.76679	5.39104	0.2251974	0.24106298	2.5569115	21	2 22.5	19.9
298493 2003 UP_{280}	16.8	X	128.13176	239.30223	101.66357	5.62408	0.2651800	0.23636631	2.5906714	21	—	—
298494 2003 US_{282}	16.1	X	86.08435	270.53965	104.07522	12.61224	0.1930950	0.23180908	2.6245152	21	—	—
298495 2003 UB_{287}	16.9	X	331.32235	296.00318	212.04488	4.26401	0.1296166	0.23206498	2.6225854	21	—	—
298496 2003 UG_{315}	18.4	X	108.91715	225.74930	184.23218	1.88491	0.1701368	0.24400055	2.5363480	21	2 11.9	21.6
298497 2003 UW_{343}	17.0	X	119.46383	186.36593	199.22362	11.26707	0.0708367	0.24400801	2.5362963	21	1 8.6	20.5
298498 2003 UD_{345}	15.0	X	9.87691	260.73196	194.78578	5.28417	0.1382096	0.12378667	3.9873724	21	—	—
298499 2003 UU_{367}	17.7	X	156.86721	289.10877	50.36092	8.10857	0.2550149	0.24209510	2.5496391	21	1 19.9	21.9
298500 2003 US_{373}	16.7	X	49.86015	251.05965	258.71451	5.86505	0.0632429	0.25364356	2.4716491	21	3 11.2	19.6
298501 2003 UC_{415}	17.2	X	86.77607	55.03544	352.39411	5.03850	0.1536775	0.23879417	2.5730816	21	1 6.4	20.0
298502 2003 VD_{2}	17.1	X	150.58248	42.47454	25.49112	21.04517	0.0890091	0.36062943	1.9547682	21	4 7.1	19.1
298503 2003 VT_{2}	15.7	X	108.79525	52.25038	14.77071	32.40195	0.2167399	0.24015271	2.5633686	21	3 23.6	19.4
298504 2003 VD_{7}	17.0	X	24.86843	50.29906	44.15325	4.03700	0.1319213	0.23238746	2.6201587	21	—	—
298505 2003 VG_{9}	16.9	X	115.88640	340.73132	52.64887	3.89354	0.2239187	0.23926069	2.5697359	21	2 10.4	20.3
298506 2003 VK_{9}	15.9	X	345.92832	244.35213	235.98426	12.08339	0.1176296	0.22886836	2.6469489	21	—	—
298507 2003 VD_{11}	17.2	X	145.48341	312.76539	46.99913	4.10014	0.2658109	0.24106968	2.5568641	21	2 4.2	21.3
298508 2003 WU	16.7	X	97.77200	308.63286	72.07206	2.76287	0.1336081	0.23462919	2.6034427	21	—	—
298509 2003 WQ_{6}	16.9	X	134.97958	18.44694	22.70611	4.51074	0.1792165	0.24326122	2.5414845	21	3 7.2	20.5
298510 2003 WU_{9}	16.0	X	194.00729	267.02390	25.22232	14.90274	0.1580787	0.23674854	2.5878822	21	—	—
298511 2003 WO_{13}	17.4	X	116.83231	14.15234	19.49405	3.11989	0.1727061	0.24010206	2.5637291	21	2 3.8	20.8
298512 2003 WL_{17}	15.6	X	307.50474	211.90468	294.17533	13.44607	0.0839712	0.22840081	2.6505599	21	—	—
298513 2003 WF_{19}	16.8	X	99.37753	354.57754	40.53569	15.41563	0.1327175	0.23634026	2.5908618	21	1 7.7	20.2
298514 2003 WX_{19}	15.6	X	51.23756	163.50439	267.23539	13.08515	0.0719123	0.23324084	2.6137637	21	—	—
298515 2003 WB_{28}	16.5	X	37.09538	144.64210	2.09447	3.96267	0.0673458	0.24292697	2.5438152	21	2 21.7	19.4
298516 2003 WN_{28}	16.7	X	82.06151	140.91671	270.41230	3.04138	0.1393877	0.23637814	2.5905850	21	1 1.7	19.5
298517 2003 WE_{32}	16.8	X	119.36076	100.84299	292.65468	2.26913	0.1622500	0.23971579	2.5664824	21	2 3.8	20.3
298518 2003 WY_{32}	17.1	X	27.24129	128.53324	345.45945	2.69000	0.2232865	0.23464150	2.6033516	21	—	—
298519 2003 WB_{33}	15.9	X	128.47041	77.59086	243.69203	9.86725	0.0736260	0.23141532	2.6274915	21	—	—
298520 2003 WH_{35}	16.3	X	66.36740	222.68009	243.86795	12.46428	0.1349905	0.24261573	2.5459903	21	2 11.9	19.4
298521 2003 WC_{38}	15.5	X	14.06190	165.60175	266.99900	21.32104	0.0433587	0.22737460	2.6585291	21	—	—
298522 2003 WE_{40}	16.8	X	50.82446	131.81303	329.20579	3.10030	0.1598503	0.23729571	2.5839025	21	1 16.3	19.1
298523 2003 WX_{40}	16.8	X	101.03900	139.81289	275.01815	4.14845	0.2669855	0.23892674	2.5721298	21	2 22.2	20.1
298524 2003 WL_{41}	16.6	X	115.04302	349.15946	47.39258	7.88919	0.2027797	0.23876205	2.5733124	21	2 12.4	20.1
298525 2003 WF_{51}	17.0	X	161.07139	311.65170	7.62877	9.65228	0.2112062	0.23803356	2.5785601	21	—	—
298526 2003 WM_{66}	15.9	X	202.97881	156.84699	47.30552	6.78212	0.2016942	0.21919747	2.7242420	21	11 24.1	20.2
298527 2003 WQ_{72}	17.7	X	104.85641	343.20525	39.11854	6.28722	0.2874357	0.23638144	2.5905609	21	1 23.5	21.0
298528 2003 WS_{78}	17.1	X	92.74339	52.60708	330.05553	4.22264	0.2128030	0.23477467	2.6023671	21	—	—
298529 2003 WE_{81}	16.8	X	172.80534	23.13852	307.20431	3.87654	0.3247786	0.24199492	2.5503428	21	1 24.8	21.4
298530 2003 WM_{91}	17.3	X	129.55381	238.57159	142.43070	3.45625	0.2224538	0.24038830	2.5616935	21	2 8.2	20.9
298531 2003 WG_{97}	16.8	X	88.01026	254.19941	187.36930	3.59754	0.2714715	0.23953548	2.5677702	21	3 13.6	19.8
298532 2003 WA_{99}	17.2	X	136.75604	44.09552	342.33870	3.82522	0.2975523	0.24250622	2.5467567	21	3 1.9	21.2
298533 2003 WG_{104}	17.0	X	114.27553	333.29694	79.03092	5.61333	0.2593047	0.24061862	2.5600585	21	3 10.7	20.6
298534 2003 WN_{111}	17.2	X	158.11776	339.25337	9.12848	2.37502	0.2106769	0.24072029	2.5593376	21	1 27.0	21.1
298535 2003 WM_{114}	15.9	X	110.76065	4.49219	269.40807	8.16566	0.0184985	0.21961390	2.7207972	21	11 17.3	19.7
298536 2003 WT_{115}	16.0	X	119.91229	111.08240	251.16024	27.51143	0.2167561	0.23582484	2.5946355	21	—	—
298537 2003 WB_{118}	15.6	X	135.78321	64.99714	281.91788	6.66236	0.2139853	0.23561956	2.5961423	21	1 3.7	19.3
298538 2003 WF_{121}	16.7	X	126.95129	354.53121	42.93493	4.83109	0.3164934	0.24088646	2.5581605	21	3 10.9	20.7
298539 2003 WM_{121}	17.2	X	132.99801	37.94652	357.23523	4.97806	0.2813630	0.24108788	2.5567354	21	3 8.2	21.0
298540 2003 WJ_{124}	16.3	X	111.98287	110.40822	274.74401	11.55582	0.2072546	0.23561504	2.5961754	21	1 20.5	19.7
298541 2003 WM_{126}	16.9	X	106.26006	45.97095	20.35284	5.32261	0.3046064	0.23901370	2.5715059	21	3 23.8	20.5
298542 2003 WK_{128}	17.1	X	164.94130	50.66245	287.77665	3.02142	0.1977897	0.24208580	2.5497044	21	1 19.2	21.0
298543 2003 WK_{130}	16.5	X	91.26795	331.83916	54.76472	6.64839	0.2295133	0.23385201	2.6092076	21	—	—
298544 2003 WN_{133}	16.2	X	5.24136	27.85323	81.74119	4.42015	0.1257951	0.23033644	2.6356897	21	—	—
298545 2003 WC_{136}	16.2	X	120.72600	328.20359	65.68912	3.53217	0.1547060	0.23862196	2.5743195	21	2 6.8	19.6
298546 2003 WN_{136}	16.6	X	121.28908	302.57130	69.87083	12.68640	0.2841656	0.23759284	2.5817478	21	1 31.3	20.4
298547 2003 WX_{140}	16.2	X	66.28828	140.33754	255.75492	11.52471	0.1757621	0.22962950	2.6410964	21	—	—
298548 2003 WA_{147}	16.6	X	116.96568	280.52089	76.40683	11.83960	0.1705166	0.23413534	2.6071023	21	—	—
298549 2003 WC_{147}	17.0	X	113.81678	307.49082	107.34346	3.54370	0.1982903	0.24065688	2.5597872	21	3 3.3	20.4
298550 2003 WG_{148}	15.7	X	141.75579	3.53314	4.61455	15.36748	0.1761805	0.24077708	2.5589352	21	2 5.8	19.7
298551 2003 WV_{149}	15.9	X	60.72505	185.56068	232.26218	21.39991	0.0617893	0.23266335	2.6180870	21	—	—
298552 2003 WH_{151}	16.8	X	124.46824	156.83640	211.59586	10.93025	0.1048314	0.23610344	2.5925940	21	—	—
298553 2003 WJ_{159}	16.3	X	161.94798	219.10576	152.11093	11.87105	0.2124335	0.24334152	2.5409254	21	2 26.4	20.2
298554 2003 WJ_{165}	17.1	X	154.78302	284.34253	77.42443	4.15683	0.2551546	0.24150387	2.5537986	21	2 13.6	21.3
298555 2003 WW_{171}	16.3	X	125.97184	232.39950	178.58563	14.42656	0.1819443	0.24265302	2.5457295	21	3 7.6	19.8
298556 2003 WM_{188}	15.1	X	271.72881	241.88477	268.99157	24.00908	0.1826264	0.21707382	2.7419809	21	12 10.6	18.5
298557 2003 XC_{2}	16.9	X	68.93933	345.98746	110.78384	4.43665	0.2381532	0.23788483	2.5796348	21	2 26.5	19.2
298558 2003 XQ_{3}	16.9	X	146.52190	192.44245	178.20322	4.98113	0.2373790	0.24046456	2.5611519	21	2 12.9	21.0
298559 2003 XX_{7}	16.5	X	161.58648	339.86304	8.00179	6.06056	0.3141264	0.24070829	2.5594227	21	2 7.5	20.9
298560 2003 XM_{8}	15.8	X	127.32176	89.84294	328.71038	11.61776	0.2024837	0.24318687	2.5420025	21	3 18.1	19.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
298561 2003 XV_8	15.7	X	162.44742	46.44254	325.13390	13.20981	0.2101282	0.24317563	2.5420808	21	2 24.9	19.9
298562 2003 XR_9	15.8	X	72.71435	128.46289	329.43340	13.41623	0.1483537	0.23748760	2.5825105	21	2 19.8	18.5
298563 2003 XC_{10}	16.5	X	105.12561	57.86356	12.52069	12.52065	0.2511757	0.23939984	2.5687400	21	3 21.2	19.9
298564 2003 XM_{19}	16.4	X	79.13478	50.98141	29.94486	12.69891	0.2749463	0.23523348	2.5989822	21	3 6.9	19.3
298565 2003 XZ_{20}	17.0	X	352.13335	53.12481	50.36248	2.90024	0.1806184	0.22656914	2.6648261	21	—	—
298566 2003 XU_{31}	16.3	X	255.98741	122.41519	71.35609	10.35856	0.0661649	0.22691605	2.6621094	21	—	—
298567 2003 XH_{39}	16.0	X	106.51064	69.44303	6.62050	15.06713	0.1922520	0.23887904	2.5724722	21	3 21.1	19.3
298568 2003 XK_{39}	16.7	X	75.07924	282.96008	133.78712	6.64542	0.2742175	0.23486225	2.6017201	21	1 16.1	18.8
298569 2003 XU_{40}	16.8	X	166.61713	312.42239	58.59367	1.87095	0.1690292	0.24309169	2.5426660	21	2 27.8	20.7
298570 2003 XK_{43}	16.6	X	89.45864	136.66287	295.63336	3.34428	0.1927336	0.23709575	2.5853551	21	2 18.1	19.5
298571 2003 YC_6	15.8	X	40.72048	167.24776	277.45233	14.91566	0.1009708	0.23315979	2.6143694	21	—	—
298572 2003 YV_7	16.5	X	48.70557	160.74775	282.05146	5.21371	0.2721333	0.23062319	2.6335045	21	—	—
298573 2003 YA_8	16.9	X	200.55653	47.52370	280.23024	16.86339	0.0628309	0.35100377	1.9903442	21	1 10.6	19.1
298574 2003 YX_9	16.6	X	72.02724	291.94452	90.63907	9.49860	0.2308675	0.22882960	2.6472477	21	—	—
298575 2003 YL_{11}	16.9	X	125.67856	28.56191	12.29925	5.05424	0.3144517	0.24048237	2.5610254	21	3 12.6	20.8
298576 2003 YX_{11}	16.2	X	331.03702	169.28756	312.62069	13.87915	0.0641415	0.22418644	2.6836744	21	—	—
298577 2003 YB_{12}	16.6	X	33.66756	133.99186	317.02245	11.94722	0.2240933	0.22994790	2.6386579	21	—	—
298578 2003 YC_{20}	16.3	X	56.96125	342.97335	79.47143	5.76786	0.1376143	0.22830919	2.6512689	21	—	—
298579 2003 YV_{21}	16.0	X	239.72943	244.30342	299.14172	10.62746	0.0242586	0.21722606	2.7406995	21	12 31.8	19.8
298580 2003 YA_{25}	16.2	X	93.11279	327.29922	83.14449	4.08810	0.1425924	0.23483106	2.6019505	21	1 19.7	19.2
298581 2003 YE_{27}	15.7	X	340.39270	179.50046	288.17185	13.09422	0.1396072	0.22208056	2.7006130	21	—	—
298582 2003 YG_{29}	16.3	X	17.10577	337.91600	99.15278	12.85862	0.1636282	0.22488668	2.6781007	21	—	—
298583 2003 YS_{32}	16.6	X	55.73586	356.35322	117.34093	6.90477	0.1681421	0.23814386	2.5777638	21	2 14.8	19.1
298584 2003 YZ_{33}	16.4	X	41.19764	246.14721	218.97701	11.21218	0.1487134	0.23460461	2.6036245	21	1 1.5	19.2
298585 2003 YF_{35}	16.5	X	92.02356	227.68223	226.61897	10.37497	0.1517337	0.24052389	2.5607306	21	3 13.5	19.8
298586 2003 YF_{43}	16.9	X	7.62639	331.60123	106.21741	5.16625	0.2271727	0.22343454	2.6896917	21	—	—
298587 2003 YG_{47}	16.5	X	68.21430	298.44057	96.93895	6.74054	0.2370998	0.22857861	2.6491852	21	—	—
298588 2003 YF_{56}	16.0	X	39.03535	159.37442	257.19033	13.61667	0.0946373	0.22736362	2.6586147	21	—	—
298589 2003 YL_{56}	16.2	X	311.61220	265.03544	229.10076	3.61411	0.2459559	0.22205219	2.7008430	21	—	—
298590 2003 YC_{62}	16.7	X	33.28725	316.36345	114.92687	3.18742	0.1973158	0.22700505	2.6614136	21	—	—
298591 2003 YE_{64}	15.9	X	35.20453	178.52162	281.45254	14.62207	0.0977805	0.23014236	2.6371713	21	—	—
298592 2003 YS_{64}	16.4	X	88.68052	150.12321	270.48494	12.34613	0.2254870	0.23468213	2.6030512	21	2 3.2	19.5
298593 2003 YA_{71}	15.6	X	328.67382	151.38060	266.44287	19.58187	0.1205761	0.21739660	2.7392660	21	11 16.5	18.9
298594 2003 YZ_{88}	16.3	X	146.01238	140.84180	230.86983	4.77412	0.2909295	0.23880802	2.5729822	21	2 17.9	20.5
298595 2003 YC_{105}	15.9	X	29.33351	306.12131	169.44908	5.06431	0.2992017	0.22797793	2.6538366	21	—	—
298596 2003 YM_{114}	16.2	X	37.38864	179.68777	266.85044	4.46323	0.1206885	0.22843660	2.6502830	21	—	—
298597 2003 YT_{120}	16.9	X	27.52552	75.25606	14.77954	3.66747	0.0718926	0.22785918	2.6547586	21	—	—
298598 2003 YP_{123}	16.3	X	137.05188	88.93764	256.12983	11.34424	0.2025006	0.23542408	2.5975792	21	—	—
298599 2003 YN_{124}	16.8	X	17.47393	37.18465	325.29355	3.98051	0.0903452	0.21343030	2.7730988	21	11 18.8	20.3
298600 2003 YM_{129}	16.3	X	52.17686	83.43552	329.93762	11.61849	0.2997537	0.22728451	2.6592316	21	—	—
298601 2003 YM_{131}	16.0	X	107.05976	310.48045	50.71304	14.08722	0.1224909	0.22956523	2.6415893	21	—	—
298602 2003 YY_{131}	15.9	X	107.83676	96.97197	309.00301	16.26078	0.1896952	0.23591176	2.5939981	21	2 8.3	19.2
298603 2003 YC_{132}	16.7	X	355.02766	93.71180	31.14271	7.55833	0.2295493	0.22620819	2.6676602	21	—	—
298604 2003 YG_{133}	16.3	X	98.37006	6.83788	51.41943	5.43237	0.2347023	0.23411728	2.6072364	21	2 23.7	19.6
298605 2003 YB_{135}	15.9	X	68.76315	331.77219	78.71913	14.02714	0.2198740	0.22903436	2.6456697	21	—	—
298606 2003 YO_{137}	16.6	X	67.36746	126.76608	309.03142	4.86902	0.1994577	0.23209922	2.6223275	21	1 18.5	18.9
298607 2003 YZ_{137}	15.9	X	46.29129	286.20626	111.35197	13.46900	0.1662865	0.22259676	2.6964362	21	—	—
298608 2003 YH_{143}	16.2	X	306.83188	159.01012	315.74961	13.11405	0.1219396	0.21968616	2.7202005	21	12 29.7	19.4
298609 2003 YH_{144}	16.6	X	39.46116	295.53789	114.18716	4.82771	0.1717265	0.22538485	2.6741529	21	—	—
298610 2003 YY_{146}	15.9	X	127.42717	80.36894	301.54226	12.98188	0.1120381	0.23951664	2.5679048	21	1 23.1	19.3
298611 2003 YK_{151}	15.6	X	68.05240	356.14306	53.99679	15.41475	0.1757690	0.22875692	2.6478084	21	—	—
298612 2003 YA_{154}	16.0	X	121.26241	58.14648	341.86868	14.77289	0.2714588	0.23693599	2.5865171	21	3 1.9	19.7
298613 2003 YH_{169}	17.1	X	98.34535	70.75218	351.28994	3.96086	0.3200787	0.23701643	2.5859319	21	3 10.5	20.3
298614 2003 YD_{179}	13.3	X	320.83581	355.70253	311.35395	7.05410	0.0600134	0.08014706	5.3277557	21	6 12.2	20.1
298615 2004 AE_8	17.1	X	133.40985	281.07947	129.26978	13.94224	0.3473448	0.24340346	2.5404942	21	4 6.9	21.6
298616 2004 AG_9	15.9	X	123.28316	170.41423	214.08238	13.12856	0.1776452	0.23793035	2.5793057	21	1 26.9	19.7
298617 2004 AH_{12}	15.9	X	222.84362	107.42756	102.51993	11.01049	0.0283435	0.21898767	2.7259818	21	—	—
298618 2004 AO_{13}	17.1	X	332.35376	165.60228	326.14080	1.79662	0.1285705	0.22348000	2.6893269	21	—	—
298619 2004 AW_{15}	16.6	X	320.01265	91.25965	318.09487	3.41095	0.0671934	0.21014402	2.8019348	21	10 22.1	20.2
298620 2004 AS_{19}	16.7	X	55.88428	336.53736	47.06511	2.36637	0.0686540	0.22099215	2.7094729	21	—	—
298621 2004 AF_{26}	16.6	X	73.24689	240.01883	215.61431	11.06192	0.1706982	0.23785342	2.5798619	21	2 16.3	19.6
298622 2004 BA_1	16.6	X	62.61717	222.89399	137.85160	6.95314	0.0370819	0.21721488	2.7407936	21	—	—
298623 2004 BZ_2	17.0	X	88.36407	56.10315	338.85212	4.23084	0.3491160	0.23189402	2.6238743	21	1 26.3	19.7
298624 2004 BH_{10}	15.7	X	189.53835	243.74613	336.13308	11.83485	0.2114447	0.20961499	2.8066472	21	11 27.2	20.6
298625 2004 BC_{13}	16.4	X	289.94951	5.38152	118.67875	5.98915	0.1093992	0.21481059	2.7612068	21	12 12.9	19.6
298626 2004 BD_{14}	16.3	X	329.07667	147.17507	328.85884	6.71943	0.0337472	0.21940375	2.7225342	21	—	—
298627 2004 BB_{15}	16.5	X	335.08840	159.10466	309.10508	8.06399	0.1052322	0.22050277	2.7134804	21	—	—
298628 2004 BA_{19}	15.4	X	104.37543	120.59357	277.75831	12.83152	0.1567869	0.23643695	2.5901554	21	1 19.4	18.6
298629 2004 BV_{19}	16.7	X	57.82192	93.12404	340.24393	4.40585	0.2044767	0.23035927	2.6355156	21	—	—
298630 2004 BF_{27}	17.5	X	34.10934	39.87920	67.75582	14.07042	0.2056240	0.22967763	2.6407275	21	—	—
298631 2004 BO_{27}	16.1	X	80.70631	315.13185	73.68898	5.04846	0.1508812	0.22738101	2.6584791	21	—	—
298632 2004 BG_{36}	16.3	X	95.88089	306.90696	81.94243	3.80244	0.2975033	0.23069814	2.6329341	21	1 21.0	19.3
298633 2004 BD_{37}	16.8	X	326.71092	118.49120	335.28635	1.55651	0.1664383	0.21718120	2.7410770	21	—	—
298634 2004 BS_{37}	16.4	X	45.77335	104.47079	343.70122	3.38384	0.2387493	0.22873632	2.6479674	21	—	—
298635 2004 BM_{41}	16.1	X	211.46710	226.95725	301.09203	10.78776	0.0277741	0.20992247	2.8039058	21	10 31.9	20.3
298636 2004 BD_{42}	16.5	X	339.19136	137.33698	339.27707	8.73812	0.2368812	0.22076057	2.7113674	21	—	—
298637 2004 BY_{53}	16.5	X	324.10609	347.26703	101.20051	6.46288	0.0594074	0.21520129	2.7578637	21	12 21.1	20.0
298638 2004 BA_{54}	16.3	X	82.48142	288.62371	116.02109	13.78057	0.1535361	0.22865102	2.6486259	21	—	—
298639 2004 BZ_{54}	16.5	X	4.89073	130.87634	292.92182	4.00914	0.1520247	0.21896526	2.7261677	21	—	—
298640 2004 BQ_{77}	16.6	X	337.42980	99.12703	320.23279	3.21924	0.0911788	0.21370121	2.7707546	21	12 2.9	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
298641 2004 BV_{78}	17.0	X	336.84443	21.05856	71.93758	2.50344	0.0318912	0.21776304	2.7361922	21	—	—
298642 2004 BT_{83}	14.7	X	21.89701	239.25161	339.05223	25.77287	0.2250267	0.17832939	3.1259889	21	5 8.7	18.6
298643 2004 BA_{88}	15.8	X	352.37410	340.73853	141.20130	16.42737	0.2545692	0.22169486	2.7037444	21	—	—
298644 2004 BG_{90}	16.3	X	120.76459	145.03725	255.66862	5.56693	0.3254250	0.23766056	2.5812573	21	3 5.5	20.4
298645 2004 BT_{90}	16.0	X	262.84750	266.36174	284.12370	2.20136	0.1280896	0.21723243	2.7406460	21	—	—
298646 2004 BH_{94}	16.2	X	332.81869	315.51768	177.94574	9.73471	0.1836130	0.22048268	2.7136452	21	—	—
298647 2004 BG_{102}	15.2	X	43.09430	269.81152	330.52561	14.79241	0.1848053	0.18549902	3.0449135	21	8 1.5	18.9
298648 2004 BX_{105}	16.2	X	26.60384	334.05434	79.30111	6.21117	0.1098134	0.22047170	2.7137353	21	—	—
298649 2004 BA_{107}	16.8	X	350.92774	34.03447	83.74662	3.20573	0.1610571	0.22380742	2.6867034	21	—	—
298650 2004 BZ_{110}	16.1	X	251.93587	342.70461	189.97432	8.12023	0.1697831	0.21375276	2.7703091	21	12 11.8	20.0
298651 2004 BJ_{113}	16.3	X	85.27894	35.67062	30.58731	12.72963	0.1615540	0.23253201	2.6190727	21	2 6.4	19.6
298652 2004 BV_{118}	16.1	X	24.56833	27.87422	58.43065	14.30406	0.2684817	0.22551748	2.6731043	21	—	—
298653 2004 BJ_{148}	16.5	X	290.99076	57.66038	93.86848	3.83181	0.0047616	0.21835565	2.7312393	21	—	—
298654 2004 BO_{158}	16.7	X	93.41006	25.90899	348.19595	4.57080	0.3505683	0.22951799	2.6419519	21	1 7.1	19.5
298655 2004 CS_{2}	16.0	X	261.61811	334.21796	189.60196	8.58965	0.0833527	0.21345918	2.7728486	21	12 25.2	19.7
298656 2004 CW_{10}	16.1	X	349.28832	131.85580	308.11174	5.63847	0.0308991	0.21583890	2.7524297	21	—	—
298657 2004 CV_{13}	15.5	X	40.53990	259.87018	327.06803	13.05237	0.1474242	0.18599172	3.0395338	21	7 3.3	19.4
298658 2004 CB_{19}	16.5	X	281.88928	231.47426	299.83488	4.03750	0.0956722	0.22000926	2.7175366	21	—	—
298659 2004 CL_{23}	17.1	X	39.70271	21.88760	15.23439	2.78778	0.1615387	0.22066917	2.7121161	21	—	—
298660 2004 CT_{28}	16.9	X	356.98456	326.01085	108.48633	3.96070	0.0863735	0.21852227	2.7298508	21	—	—
298661 2004 CW_{32}	16.6	X	50.45520	39.59564	320.58662	5.39111	0.0743524	0.21519135	2.7579486	21	12 29.5	20.4
298662 2004 CB_{42}	16.0	X	258.16965	160.24415	345.89002	11.47798	0.1805531	0.21168567	2.7883144	21	11 9.5	20.0
298663 2004 CT_{42}	16.3	X	259.66263	161.92289	355.72752	4.60952	0.0960175	0.21146109	2.7902883	21	12 12.5	19.9
298664 2004 CL_{56}	16.2	X	241.51784	24.12687	139.88995	4.99391	0.0430988	0.20965372	2.8063015	21	12 5.7	20.0
298665 2004 CW_{57}	16.1	X	343.96116	9.92008	85.65227	8.97776	0.1538030	0.21971938	2.7199264	21	—	—
298666 2004 CE_{59}	16.3	X	252.80775	143.56145	21.87611	8.02012	0.1579126	0.21295227	2.7772471	21	12 3.5	20.1
298667 2004 CZ_{61}	16.3	X	66.84404	279.58960	117.20599	11.87207	0.2087067	0.22495626	2.6775484	21	—	—
298668 2004 CW_{65}	15.9	X	40.96739	356.88973	80.22004	6.80998	0.1186625	0.22626526	2.6672115	21	—	—
298669 2004 CD_{77}	15.9	X	0.57315	131.68232	326.96045	6.92734	0.1696200	0.22071941	2.7117046	21	—	—
298670 2004 CS_{82}	16.5	X	229.86056	281.90551	279.74092	2.85769	0.1105959	0.21365564	2.7711486	21	12 28.6	20.4
298671 2004 CA_{91}	16.5	X	48.04853	174.92495	197.86121	4.28528	0.0869502	0.21418187	2.7666077	21	—	—
298672 2004 CW_{100}	15.6	X	58.90450	203.49645	355.24396	16.93969	0.1890424	0.18334309	3.0687371	21	7 1.1	19.9
298673 2004 CF_{103}	16.7	X	320.83066	289.48768	190.70841	8.70346	0.2059306	0.21740960	2.7391569	21	—	—
298674 2004 CJ_{107}	16.3	X	3.72548	61.91679	348.15501	5.74169	0.0966191	0.21320967	2.7750115	21	—	—
298675 2004 CX_{109}	17.0	X	354.74726	114.23661	10.15158	7.99755	0.2597218	0.22258929	2.6964966	21	—	—
298676 2004 CU_{116}	16.1	X	301.07887	328.66344	147.84984	13.71983	0.1076979	0.21501096	2.7594910	21	12 21.4	19.6
298677 2004 CD_{122}	16.4	X	359.83606	77.74535	356.67782	4.84892	0.0060688	0.21526272	2.7573390	21	—	—
298678 2004 CK_{125}	16.4	X	345.87111	110.46807	258.47423	0.99968	0.0812962	0.20328910	2.8645737	21	10 8.1	19.9
298679 2004 DP_{15}	16.8	X	325.82413	118.38226	340.41757	8.54550	0.1340812	0.21561997	2.7542925	21	—	—
298680 2004 DJ_{25}	18.1	X	112.91704	251.99545	184.63216	6.73910	0.2688135	0.34952992	1.9959354	21	3 25.8	20.1
298681 2004 DL_{27}	16.5	X	43.56874	320.17010	93.53855	4.12167	0.0877989	0.21984396	2.7188987	21	—	—
298682 2004 DV_{30}	15.8	X	94.83457	242.93507	146.91924	15.23852	0.1797776	0.22619188	2.6677883	21	1 2.4	19.2
298683 2004 DK_{32}	16.2	X	21.79824	172.05260	274.61671	4.49058	0.1897043	0.22297940	2.6933506	21	—	—
298684 2004 DT_{35}	16.2	X	345.89398	235.29059	231.69789	4.22950	0.0690867	0.21806517	2.7336643	21	—	—
298685 2004 DA_{39}	16.3	X	208.27731	66.56749	133.74796	4.45984	0.0356546	0.21053094	2.7985008	21	12 11.1	20.3
298686 2004 DW_{41}	16.4	X	335.33066	286.57681	191.73942	5.61641	0.2373249	0.21880264	2.7275183	21	—	—
298687 2004 DS_{44}	16.1	X	19.57061	268.58747	163.10181	13.42387	0.1886208	0.22049810	2.7135186	21	—	—
298688 2004 DQ_{46}	16.0	X	10.74759	15.81155	216.76491	4.68903	0.1780875	0.18039081	3.1021285	21	5 16.5	19.1
298689 2004 DO_{61}	16.8	X	343.07756	136.46995	318.44651	3.18755	0.1993765	0.21811995	2.7332066	21	—	—
298690 2004 DX_{64}	16.4	X	340.35129	241.03573	192.18206	1.28366	0.0449793	0.21080928	2.7960369	21	12 23.1	19.8
298691 2004 DY_{67}	16.4	X	155.29659	210.32175	68.65654	4.10043	0.0674234	0.21640187	2.7476540	21	—	—
298692 2004 DL_{70}	16.4	X	292.85948	308.50297	171.28131	4.98809	0.1103321	0.21096869	2.7946282	21	12 10.8	19.9
298693 2004 EC_{6}	15.2	X	39.25461	170.64475	141.03844	14.69152	0.0958636	0.19767116	2.9185951	21	10 19.9	19.3
298694 2004 EL_{12}	16.2	X	263.09817	154.58045	351.53599	3.05371	0.0390764	0.20908345	2.8114020	21	12 10.0	20.1
298695 2004 EV_{13}	15.8	X	152.20962	162.15613	58.91757	7.03722	0.0508528	0.20205294	2.8762454	21	11 1.3	20.1
298696 2004 EM_{14}	15.8	X	174.02774	180.04946	38.45979	9.00369	0.0980021	0.20397347	2.8581625	21	11 18.1	20.2
298697 2004 EC_{18}	15.2	X	121.25958	132.99483	57.80669	16.04536	0.0479170	0.19090252	2.9871814	21	8 25.4	19.9
298698 2004 EH_{39}	16.0	X	336.26474	91.99696	352.50632	10.47206	0.1134431	0.21221765	2.7836527	21	—	—
298699 2004 EG_{48}	16.3	X	338.36533	300.62544	153.12764	9.96847	0.1736052	0.21514474	2.7583470	21	—	—
298700 2004 EX_{50}	16.0	X	41.43480	253.98334	355.96717	8.51281	0.0824047	0.18870822	3.0102934	21	7 28.2	20.0
298701 2004 EW_{54}	15.7	X	263.84480	250.14141	263.59021	11.40432	0.1068353	0.21062764	2.7976442	21	12 11.9	19.4
298702 2004 EL_{55}	15.3	X	34.50869	230.14250	327.01223	15.29502	0.1523403	0.17829851	3.1263499	21	5 4.5	19.4
298703 2004 EP_{55}	16.2	X	337.03921	260.63934	208.45760	15.70740	0.2125511	0.21667110	2.7453774	21	—	—
298704 2004 EQ_{66}	16.5	X	322.18674	121.59817	353.53427	7.87583	0.2613349	0.21527699	2.7572172	21	—	—
298705 2004 EY_{66}	15.4	X	321.07655	255.81793	15.74102	24.93526	0.2770779	0.17247716	3.1963058	21	3 28.5	19.4
298706 2004 EU_{89}	15.4	X	325.73352	260.80780	17.65363	26.02980	0.1516600	0.17738386	3.1370876	21	4 21.9	19.5
298707 2004 EV_{90}	16.1	X	166.68280	320.10311	169.87367	9.83340	0.0357610	0.18817118	3.0160183	21	7 22.3	20.6
298708 2004 EJ_{92}	16.3	X	42.96726	94.30162	345.72195	5.23085	0.2141553	0.22388654	2.6860704	21	—	—
298709 2004 ES_{100}	16.6	X	31.63745	249.44651	175.48812	9.45770	0.3067188	0.22117884	2.7079481	21	—	—
298710 2004 FZ_{12}	16.1	X	312.79748	152.96200	343.73475	12.76942	0.1521302	0.21505019	2.7591554	21	—	—
298711 2004 FU_{13}	15.6	X	109.07079	49.86793	163.54167	10.95922	0.0420899	0.19203307	2.9754457	21	8 30.5	19.9
298712 2004 FR_{14}	15.0	X	340.60117	250.94394	3.75096	25.11028	0.2666279	0.17383553	3.1796332	21	4 2.0	18.6
298713 2004 FC_{24}	15.9	X	31.74615	61.24369	200.02336	6.29116	0.1677242	0.18601297	3.0393023	21	8 3.1	19.6
298714 2004 FJ_{25}	15.8	X	26.84407	350.91804	225.79544	14.19426	0.1313621	0.17913559	3.1166029	21	5 23.3	19.5
298715 2004 FT_{35}	16.3	X	347.67542	66.98509	45.76184	4.60621	0.1811883	0.21724625	2.7405297	21	—	—
298716 2004 FS_{49}	16.5	X	22.51060	245.88563	342.00586	3.50391	0.2256063	0.17842055	3.1249241	21	6 6.1	19.6
298717 2004 FV_{57}	16.9	X	192.25654	320.66640	232.05739	0.96458	0.0118832	0.20354088	2.8622108	21	11 13.3	20.7
298718 2004 FM_{58}	16.7	X	199.88100	93.39186	57.36615	2.66269	0.1550840	0.19905798	2.9050236	21	9 21.5	21.4
298719 2004 FF_{62}	15.4	X	327.72227	42.69729	17.13621	15.10952	0.1312929	0.20459053	2.8524127	21	11 11.2	18.9
298720 2004 FY_{69}	15.5	X	305.27496	282.76662	16.98154	16.61013	0.2437905	0.17518072	3.1633349	21	4 11.2	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
298721 2004 FY_{72}	16.3	X	21.70096	86.27067	182.36241	4.96490	0.1427375	0.18629716	3.0362106	21	7 24.3	20.0
298722 2004 FT_{73}	18.4	X	94.72959	291.28852	353.00507	3.27490	0.1849076	0.31343207	2.1463824	21	12 11.0	21.7
298723 2004 FS_{93}	16.2	X	212.14485	142.35887	27.63423	8.46026	0.2198119	0.20312972	2.8660719	21	10 20.2	20.9
298724 2004 FH_{99}	16.5	X	352.66978	322.84671	304.19169	0.26203	0.0788484	0.18196321	3.0842316	21	6 1.9	20.4
298725 2004 FC_{102}	15.4	X	313.13332	259.71564	3.45782	25.59909	0.2450048	0.17043386	3.2218016	21	3 13.6	19.8
298726 2004 FH_{107}	16.1	X	72.85752	352.78613	205.92084	5.63975	0.1966473	0.18274476	3.0754318	21	7 18.3	20.4
298727 2004 FO_{108}	16.4	X	274.49465	316.82608	197.85260	7.54355	0.1600068	0.21006614	2.8026273	21	12 20.6	20.0
298728 2004 FP_{112}	15.9	X	330.21762	74.14622	190.48553	9.88439	0.0892168	0.17742316	3.1366243	21	4 26.5	19.9
298729 2004 FJ_{134}	15.7	X	20.19543	278.50736	316.75101	10.54377	0.1928981	0.17888388	3.1195258	21	6 8.9	19.2
298730 2004 FA_{140}	14.8	X	85.63789	177.84839	9.14703	30.95870	0.2227127	0.18240319	3.0792700	21	8 9.3	20.0
298731 2004 FN_{145}	16.2	X	60.08636	238.23069	34.70241	2.36790	0.0089078	0.19595395	2.9356213	21	9 10.9	20.3
298732 2004 FB_{148}	15.3	X	1.97429	286.67125	322.60941	15.40773	0.1897743	0.17900466	3.1181224	21	5 16.2	19.0
298733 2004 FF_{155}	16.4	X	60.89619	102.41128	118.41480	2.08445	0.0731127	0.18599406	3.0395083	21	7 13.5	20.5
298734 2004 GB_{5}	16.0	X	2.66224	132.05613	146.16114	4.47354	0.1420937	0.18104614	3.0946381	21	7 3.2	19.6
298735 2004 GB_{9}	16.0	X	41.69800	53.60287	218.02199	9.76844	0.0574531	0.18762718	3.0218452	21	8 16.5	20.2
298736 2004 GU_{14}	15.2	X	100.31334	190.68206	27.82939	17.25913	0.1251590	0.18757771	3.0223765	21	9 13.7	19.9
298737 2004 GQ_{35}	17.2	X	84.24367	342.11829	263.50476	5.83416	0.2618681	0.30321481	2.1943325	21	10 15.7	20.5
298738 2004 GD_{36}	15.7	X	351.87225	344.55351	252.67135	7.18349	0.1736458	0.17322071	3.1871525	21	4 13.5	19.5
298739 2004 GH_{41}	15.4	X	339.80070	283.64330	349.65059	17.04476	0.1483677	0.17673799	3.1447258	21	5 7.5	19.5
298740 2004 GT_{42}	16.0	X	59.53135	202.43475	25.67299	9.37436	0.0920712	0.18421231	3.0590761	21	7 27.1	20.2
298741 2004 GZ_{45}	16.4	X	62.08118	20.07857	186.64996	4.21899	0.1538731	0.18154946	3.0889159	21	7 8.0	20.4
298742 2004 GK_{54}	16.8	X	293.81201	168.23401	200.44561	2.78252	0.0306253	0.18710114	3.0275065	21	7 25.6	20.9
298743 2004 GM_{56}	15.9	X	304.55889	127.95209	212.27869	10.91569	0.0812799	0.18379907	3.0636596	21	6 25.8	20.1
298744 2004 GM_{62}	16.3	X	31.03515	172.27677	160.46328	2.23866	0.0919428	0.19652252	2.9299564	21	10 30.0	20.1
298745 2004 GL_{66}	15.8	X	196.89075	264.99546	206.70163	9.22935	0.1142274	0.19014757	2.9950830	21	7 30.1	20.7
298746 2004 GU_{66}	16.5	X	74.76411	10.01122	204.53748	3.45116	0.0417003	0.18526106	3.0475204	21	7 18.6	20.7
298747 2004 GU_{76}	17.1	X	56.83289	208.43599	100.39879	8.03559	0.3024849	0.30618857	2.1801016	21	12 16.9	20.3
298748 2004 GU_{78}	15.5	X	33.54442	123.61736	189.20905	10.21601	0.1240054	0.19312921	2.9641766	21	10 11.7	19.3
298749 2004 GA_{79}	15.7	X	49.32511	36.16705	175.98087	12.00274	0.1052236	0.18088726	3.0964499	21	6 19.9	19.9
298750 2004 GY_{82}	16.1	X	79.72943	9.37567	199.82626	9.82263	0.0747003	0.18627537	3.0364474	21	7 21.6	20.5
298751 2004 HC_{9}	17.6	X	79.54867	196.12334	104.12923	3.83779	0.1852324	0.31023823	2.1610883	21	12 16.9	20.7
298752 2004 HA_{17}	15.6	X	242.94885	127.95120	26.11085	15.41567	0.0862346	0.20325013	2.8649397	21	11 13.6	19.7
298753 2004 HU_{27}	15.7	X	47.22336	131.86058	107.23371	4.50955	0.1276358	0.18206088	3.0831285	21	7 25.9	19.5
298754 2004 HA_{42}	16.1	X	118.65625	289.87736	207.20583	8.46626	0.0484168	0.17916241	3.1162918	21	6 6.8	20.6
298755 2004 HB_{42}	15.9	X	318.16332	124.52046	205.37155	8.12806	0.0982043	0.18201063	3.0836959	21	6 29.9	20.0
298756 2004 HD_{45}	15.8	X	34.71003	60.50335	211.30668	15.48822	0.1650925	0.18444644	3.0564869	21	8 18.7	19.8
298757 2004 HW_{47}	15.5	X	164.98555	224.48964	291.07012	9.10302	0.0498949	0.18933290	3.0036685	21	8 20.6	20.0
298758 2004 HT_{56}	15.5	X	35.50120	53.66339	171.58361	30.36948	0.1087987	0.17789286	3.1311008	21	6 17.9	20.1
298759 2004 HP_{57}	16.4	X	307.85029	149.05471	138.14163	1.46545	0.1122851	0.17205353	3.2015502	21	4 20.4	20.7
298760 2004 HU_{67}	16.2	X	108.76732	324.91146	207.27309	3.76648	0.0448546	0.18466943	3.0540258	21	7 8.0	20.5
298761 2004 HL_{71}	16.5	X	53.57480	189.62584	18.32079	4.08517	0.1203611	0.18041106	3.1018963	21	6 22.6	20.5
298762 2004 HT_{77}	18.6	X	93.27007	259.48711	40.42285	2.23395	0.0857367	0.31459369	2.1410955	21	12 24.1	21.2
298763 2004 JD_{29}	15.3	X	332.37231	78.26940	220.92472	14.11750	0.1674277	0.17680146	3.1439731	21	6 4.4	19.2
298764 2004 JU_{33}	15.2	X	30.31015	42.27664	221.03620	17.04009	0.1030537	0.18104643	3.0946348	21	7 22.9	19.5
298765 2004 KC_{15}	15.5	X	14.77561	284.12011	3.54469	9.36436	0.0303041	0.18326090	3.0696546	21	8 4.3	19.7
298766 2004 LW_{16}	18.0	X	51.73167	237.12549	58.99267	3.83714	0.2360536	0.30156813	2.2023132	21	11 16.9	20.8
298767 2004 NS_{3}	17.2	X	27.92049	273.63000	23.08093	8.33309	0.2762412	0.29436362	2.2381024	21	10 20.9	19.3
298768 2004 NO_{4}	16.1	X	7.06146	291.37389	33.05574	28.06540	0.2384000	0.29048451	2.2579833	21	10 20.2	17.8
298769 2004 NE_{6}	17.6	X	29.73934	131.31732	165.36943	3.16154	0.2327179	0.29469800	2.2364091	21	10 17.5	19.6
298770 2004 NL_{10}	17.0	X	355.99129	195.77304	129.62800	7.92403	0.1814046	0.29155396	2.2524583	21	9 14.9	18.5
298771 2004 NE_{18}	17.8	X	339.43842	89.96665	216.36262	3.58443	0.2254649	0.28851776	2.2682331	21	6 17.1	19.1
298772 2004 OU_{3}	17.7	X	349.33596	180.83532	154.43651	6.06320	0.1974340	0.29175442	2.2514264	21	9 14.1	18.8
298773 2004 OK_{5}	17.2	X	42.49694	326.90975	314.76497	4.75502	0.1683107	0.29464036	2.2367008	21	9 30.5	19.7
298774 2004 PH_{1}	17.2	X	302.47590	274.68769	77.14600	5.80445	0.2108992	0.28534570	2.2850121	21	6 16.5	19.3
298775 2004 PH_{8}	17.8	X	298.07843	163.74868	176.54300	1.76795	0.2494564	0.28297275	2.2977687	21	5 17.1	20.3
298776 2004 PL_{8}	17.5	X	341.59160	40.43551	309.08067	0.73481	0.2391677	0.29089780	2.2558441	21	9 17.9	18.3
298777 2004 PQ_{17}	17.6	X	319.09238	310.47250	14.61556	2.61238	0.2212368	0.28553657	2.2839936	21	6 2.0	19.7
298778 2004 PC_{19}	17.5	X	305.66628	1.11450	326.35746	5.84768	0.2745096	0.28274550	2.2989997	21	5 1.8	20.4
298779 2004 PW_{20}	17.5	X	279.50108	95.93498	293.06558	5.70088	0.1118604	0.28785607	2.2717077	21	7 23.9	20.1
298780 2004 PP_{38}	17.6	X	333.57287	163.81342	144.04676	5.10611	0.1783948	0.28553334	2.2840109	21	6 13.2	19.5
298781 2004 PU_{43}	17.4	X	4.91333	322.32987	306.93140	7.82985	0.1358532	0.28525508	2.2854960	21	6 23.1	19.3
298782 2004 PX_{44}	17.1	X	359.54025	289.86322	352.00770	6.10371	0.1246698	0.28571873	2.2830227	21	7 3.2	19.1
298783 2004 PD_{45}	17.4	X	293.98455	328.33972	15.15295	3.86845	0.1757214	0.28260839	2.2997432	21	5 26.9	20.0
298784 2004 PU_{46}	17.7	X	297.23533	122.05817	214.97368	2.26926	0.2480690	0.28255344	2.3000414	21	5 11.2	20.5
298785 2004 PU_{47}	18.2	X	359.37866	125.73133	165.74622	5.19767	0.1970834	0.28918061	2.2647657	21	7 18.6	19.5
298786 2004 PS_{50}	18.0	X	355.01170	278.53016	24.26250	3.81111	0.1937414	0.28849279	2.2683639	21	7 30.7	19.3
298787 2004 PO_{81}	17.7	X	21.22072	166.02341	139.40263	3.49776	0.1758662	0.29276149	2.2462603	21	10 5.5	19.6
298788 2004 PO_{87}	17.4	X	338.74140	309.07674	2.09008	8.39864	0.2443497	0.28517906	2.2859021	21	6 21.2	19.0
298789 2004 PS_{98}	17.0	X	340.05769	305.32925	20.94791	6.74585	0.2143802	0.28826266	2.2695711	21	8 1.7	18.4
298790 2004 PC_{99}	17.4	X	296.30407	282.93052	54.69660	6.75102	0.2106072	0.28213362	2.3023225	21	5 16.7	19.9
298791 2004 PZ_{101}	16.7	X	302.84157	13.75919	313.47979	3.45258	0.2980227	0.27951162	2.3166983	21	4 25.2	19.8
298792 2004 PJ_{106}	16.7	X	358.20884	8.02861	279.36423	6.54826	0.1202737	0.28617865	2.2805760	21	7 8.5	18.5
298793 2004 QE_{3}	17.2	X	203.88170	18.27817	169.19299	6.62191	0.0611539	0.30312472	2.1947673	21	12 4.2	19.9
298794 2004 QH_{3}	17.2	X	49.28674	245.39008	21.77583	8.64448	0.1863857	0.29252842	2.2474533	21	9 27.1	19.6
298795 2004 QG_{6}	17.6	X	39.98508	297.33487	304.06062	7.00853	0.1430126	0.28748094	2.2736835	21	7 22.6	19.7
298796 2004 QY_{8}	17.1	X	339.15795	229.35762	83.88632	6.94066	0.1589410	0.28338106	2.2955610	21	7 8.0	18.8
298797 2004 QX_{9}	17.3	X	309.27450	229.54530	66.99588	4.87314	0.2444123	0.28031845	2.3122507	21	4 3.3	20.2
298798 2004 QA_{14}	16.6	X	325.80786	160.50529	184.54991	26.54794	0.2520815	0.28782785	2.2718562	21	7 13.4	19.2
298799 2004 QC_{19}	17.3	X	268.08831	122.63149	205.87130	2.78563	0.2109484	0.27588339	2.3369657	21	4 1.4	20.8
298800 2004 QT_{21}	17.4	X	40.40866	312.29689	304.50739	7.69864	0.2049997	0.28967399	2.2621933	21	8 25.9	19.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
298801 2004 QD_{22}	16.1	X	251.99281	189.95491	201.16583	22.94319	0.2483827	0.28186935	2.3037613	21	6 3.1	20.1
298802 2004 QR_{26}	17.4	X	315.51049	353.93421	22.07855	5.92605	0.1408411	0.28937062	2.2637741	21	9 5.6	19.2
298803 2004 RJ_{8}	17.1	X	295.54894	14.70678	338.50361	6.08311	0.1434556	0.28000251	2.3139898	21	6 19.7	19.8
298804 2004 RZ_{13}	17.7	X	330.13851	36.72418	302.22979	1.97423	0.1556235	0.28777258	2.2721471	21	7 31.9	19.4
298805 2004 RZ_{14}	17.7	X	13.00213	137.98969	172.33566	1.97369	0.2080384	0.29157812	2.2523338	21	9 30.6	19.3
298806 2004 RV_{25}	17.1	X	324.73080	178.73738	159.05544	6.92086	0.1385312	0.28483009	2.2877688	21	7 18.9	19.2
298807 2004 RS_{31}	17.0	X	241.52977	73.61845	1.99430	8.41018	0.1814438	0.28556608	2.2838363	21	8 1.9	20.3
298808 2004 RV_{33}	17.0	X	302.55031	335.67919	17.79994	6.05038	0.1889666	0.28462119	2.2888881	21	6 23.4	19.5
298809 2004 RF_{36}	17.3	X	235.93085	239.18239	70.87147	3.20655	0.2284680	0.26881190	2.3777730	21	2 11.0	21.3
298810 2004 RJ_{47}	17.1	X	291.35895	24.79849	346.20823	6.83192	0.1345272	0.28458407	2.2890871	21	7 13.3	19.7
298811 2004 RR_{51}	17.0	X	271.54464	4.84213	8.97753	7.08431	0.1426286	0.28162600	2.3050882	21	6 14.3	20.1
298812 2004 RZ_{56}	17.7	X	333.00496	55.98618	259.45943	2.37868	0.1622135	0.28497865	2.2869737	21	6 26.8	19.3
298813 2004 RS_{57}	17.2	X	231.07602	1.94286	42.87864	3.48781	0.2177336	0.27766264	2.3269716	21	6 3.8	21.0
298814 2004 RO_{60}	17.7	X	32.89363	105.27869	192.08022	2.13612	0.1824285	0.29232600	2.2484907	21	10 13.4	19.7
298815 2004 RX_{60}	17.3	X	280.91612	338.57019	20.66786	6.65532	0.2761815	0.28064945	2.3104323	21	5 16.4	20.5
298816 2004 RM_{62}	17.6	X	359.99833	143.44627	177.81881	2.87818	0.1824322	0.28961862	2.2624816	21	9 13.7	18.8
298817 2004 RP_{63}	17.6	X	331.24858	185.45270	163.25714	2.78630	0.2245454	0.28803781	2.2707521	21	8 13.4	18.9
298818 2004 RU_{64}	17.7	X	269.33567	33.06827	335.38216	2.92079	0.2158649	0.27993224	2.3143770	21	5 24.6	21.1
298819 2004 RN_{66}	17.2	X	258.49679	174.34263	176.05020	3.80571	0.1637511	0.27602207	2.3361829	21	4 26.3	20.4
298820 2004 RT_{71}	17.3	X	275.91393	318.38017	60.43039	3.59035	0.1699335	0.28197437	2.3031892	21	6 23.8	20.2
298821 2004 RS_{73}	17.2	X	5.39025	285.91371	20.38402	4.48082	0.1306193	0.28781823	2.2719068	21	8 28.4	19.0
298822 2004 RM_{74}	16.9	X	286.86513	27.88076	4.45062	5.80968	0.1132928	0.28558451	2.2837380	21	8 12.2	19.4
298823 2004 RA_{79}	17.2	X	257.02033	346.65903	343.02284	2.67397	0.2745746	0.27321733	2.3521439	21	3 19.1	21.0
298824 2004 RB_{80}	17.4	X	33.38363	292.39185	336.06550	1.57534	0.3737766	0.29091589	2.2557506	21	10 5.0	19.5
298825 2004 RD_{100}	17.5	X	304.74015	85.86468	226.02447	3.12546	0.1778733	0.27979771	2.3151188	21	4 27.1	20.0
298826 2004 RY_{102}	17.9	X	242.36298	85.57361	323.68052	7.12581	0.1511131	0.28160953	2.3051781	21	6 28.3	21.2
298827 2004 RO_{125}	17.6	X	204.24802	348.30195	186.90838	5.14219	0.0640401	0.29841325	2.2178082	21	11 16.5	20.3
298828 2004 RZ_{143}	17.3	X	230.87434	224.97706	151.01382	6.44989	0.1844468	0.27347209	2.3506829	21	5 1.9	21.0
298829 2004 RH_{147}	17.6	X	261.20678	240.87131	172.13910	4.94572	0.1501633	0.28424113	2.2909280	21	7 25.5	20.4
298830 2004 RF_{156}	17.6	X	307.83664	149.56830	230.50448	3.89032	0.2166739	0.28753739	2.2733859	21	8 9.1	19.5
298831 2004 RN_{160}	17.4	X	249.29914	11.84767	323.60567	4.86890	0.1508471	0.27217976	2.3581178	21	3 26.5	21.1
298832 2004 RA_{164}	17.3	X	280.60373	187.01000	204.42156	4.68783	0.2204280	0.28285627	2.2983995	21	7 9.7	20.1
298833 2004 RD_{164}	17.7	X	288.36679	101.29768	296.78445	3.64358	0.2157963	0.28716917	2.2753289	21	8 2.3	20.1
298834 2004 RT_{164}	17.1	X	235.15021	356.63888	47.27517	4.02444	0.2717310	0.27402376	2.3475268	21	6 2.6	21.1
298835 2004 RN_{178}	17.5	X	327.61924	97.46971	236.41795	4.61474	0.1874902	0.28576968	2.2827514	21	7 11.7	19.3
298836 2004 RQ_{179}	17.0	X	299.08469	164.17508	228.18769	6.23689	0.1014370	0.28795417	2.2711918	21	8 29.7	19.5
298837 2004 RO_{181}	17.0	X	300.89126	152.55092	202.08759	6.13672	0.2056144	0.28364337	2.2941455	21	6 19.2	19.5
298838 2004 RP_{186}	17.0	X	7.88164	325.10177	314.62360	6.09726	0.1054258	0.28371753	2.2937457	21	7 16.8	18.9
298839 2004 RP_{187}	17.0	X	249.06940	120.26981	253.45250	5.14299	0.1159832	0.27716771	2.3297409	21	5 21.0	20.2
298840 2004 RX_{187}	16.7	X	303.64333	60.12557	277.42938	6.10613	0.1479934	0.28129837	2.3068777	21	6 8.0	19.1
298841 2004 RM_{188}	16.9	X	299.44989	88.59168	280.92573	6.00540	0.1450666	0.28432582	2.2904730	21	7 20.6	19.2
298842 2004 RL_{189}	16.2	X	221.36085	262.70470	203.83496	21.27047	0.1766051	0.28385148	2.2930241	21	8 13.5	20.2
298843 2004 RX_{189}	16.8	X	239.53032	147.00089	242.47034	5.86204	0.1132032	0.27702112	2.3305627	21	6 1.2	20.0
298844 2004 RL_{191}	16.8	X	290.25058	310.51417	355.53329	24.52634	0.2097298	0.27477131	2.3432671	21	3 23.6	20.2
298845 2004 RM_{192}	16.5	X	321.28378	134.38697	220.14368	3.88722	0.1795768	0.28616090	2.2806704	21	8 2.4	18.4
298846 2004 RK_{196}	16.7	X	318.45767	37.54008	270.45580	6.17493	0.1190425	0.27912585	2.3188323	21	5 23.4	19.2
298847 2004 RD_{197}	17.2	X	297.79946	86.58700	291.98907	6.87381	0.2311458	0.28443095	2.2899086	21	7 16.5	19.2
298848 2004 RQ_{205}	17.4	X	264.19199	227.69345	116.59395	5.78814	0.2122564	0.27561327	2.3384924	21	4 21.1	20.9
298849 2004 RX_{214}	16.9	X	258.61824	177.24867	226.57351	10.59119	0.2375625	0.28148767	2.3058433	21	6 27.1	20.3
298850 2004 RX_{232}	17.9	X	317.40780	262.31228	25.63896	2.88625	0.2664134	0.27754195	2.3276462	21	3 28.4	20.4
298851 2004 RZ_{232}	17.3	X	115.29970	164.23261	20.71972	5.23508	0.0338752	0.28095233	2.3087715	21	8 6.7	20.2
298852 2004 RK_{235}	17.4	X	216.66078	135.56642	289.28801	2.34014	0.2057206	0.27817219	2.3241291	21	6 17.9	21.0
298853 2004 RZ_{235}	16.8	X	355.67424	91.84526	223.37069	3.44069	0.1262251	0.28608024	2.2810990	21	8 17.6	18.7
298854 2004 RF_{236}	16.8	X	10.25626	317.62435	343.74657	6.09644	0.1232380	0.28622781	2.2803149	21	8 27.9	18.6
298855 2004 RA_{237}	17.2	X	351.31163	307.83170	332.29474	5.87605	0.1695272	0.28281237	2.2986373	21	6 6.8	19.0
298856 2004 RT_{246}	16.9	X	235.47715	194.01377	212.37803	11.70711	0.1554741	0.27991799	2.3144556	21	6 15.3	20.4
298857 2004 RN_{250}	17.9	X	244.42277	68.68685	346.83380	4.91689	0.2196240	0.27989724	2.3145699	21	7 1.7	21.4
298858 2004 RO_{250}	17.1	X	264.47392	111.87395	256.84487	3.96261	0.2475506	0.27693835	2.3310270	21	5 16.5	20.4
298859 2004 RX_{250}	17.2	X	272.62928	270.03609	109.27060	1.40680	0.2202047	0.28027148	2.3125091	21	6 12.8	20.3
298860 2004 RP_{287}	17.5	X	253.80227	19.68286	14.02414	2.46237	0.2236893	0.27843674	2.3226567	21	6 10.7	20.9
298861 2004 RM_{292}	17.0	X	262.97701	26.89815	325.31316	6.00639	0.1439239	0.27551034	2.3390748	21	5 2.3	20.4
298862 2004 RW_{301}	17.2	X	346.22463	90.14825	147.27117	3.43340	0.1398676	0.27421194	2.3464527	21	3 25.1	19.5
298863 2004 RF_{306}	16.7	X	344.90297	306.50463	28.23847	8.09552	0.1953612	0.28688110	2.2768518	21	9 3.7	18.2
298864 2004 RW_{312}	17.6	X	270.98410	22.85457	326.00973	2.42129	0.1115219	0.27753183	2.3277028	21	5 13.6	20.7
298865 2004 RJ_{319}	17.6	X	304.98760	68.45116	320.09684	6.89681	0.1992697	0.28817086	2.2700531	21	8 21.9	19.5
298866 2004 RA_{326}	16.5	X	271.68563	93.69416	265.06580	7.49005	0.1868580	0.27589422	2.3369046	21	5 17.9	19.7
298867 2004 RH_{328}	14.4	X	9.64424	113.88481	313.21513	7.73692	0.1604880	0.12551074	3.9507734	21	—	—
298868 2004 RJ_{328}	17.3	X	294.91604	60.56880	298.97667	4.11701	0.1391730	0.28166117	2.3048963	21	6 29.3	19.7
298869 2004 RN_{333}	17.0	X	292.18868	242.67692	123.29452	6.01331	0.1890888	0.28333430	2.2958135	21	6 25.5	19.4
298870 2004 RQ_{334}	17.1	X	239.50220	308.94814	74.73721	4.94726	0.1331794	0.27804909	2.3248150	21	5 22.5	20.4
298871 2004 RR_{334}	17.7	X	322.19663	276.92496	90.36349	5.27167	0.1778542	0.28902573	2.2655747	21	9 1.8	19.4
298872 2004 RG_{337}	18.4	X	218.73115	90.57166	321.09369	0.79242	0.1829736	0.27505535	2.3416536	21	6 3.6	22.1
298873 2004 SE_{10}	17.3	X	292.33527	244.82817	79.53972	6.29511	0.1907724	0.28026314	2.3125550	21	4 28.1	20.2
298874 2004 SP_{15}	17.1	X	306.77675	261.75608	100.86116	5.96678	0.1349694	0.28493430	2.2872110	21	7 26.2	19.1
298875 2004 SB_{17}	17.0	X	299.62719	249.49032	78.26558	9.35763	0.1264491	0.27973088	2.3154875	21	5 22.9	19.7
298876 2004 SW_{23}	16.9	X	15.01341	286.41507	19.22552	9.20085	0.1741934	0.28752669	2.2734423	21	9 23.1	18.7
298877 Michaelreynolds	18.1	X	298.81049	64.10201	301.82901	1.89369	0.2420576	0.28351583	2.2948335	21	6 26.5	20.3
298878 2004 SJ_{29}	16.8	X	336.48007	317.44381	357.61122	6.23745	0.1489530	0.28373283	2.2936632	21	7 7.1	18.7
298879 2004 SJ_{32}	17.3	X	260.13089	319.55040	48.41765	3.62347	0.2165822	0.27713626	2.3299172	21	5 14.7	20.8
298880 2004 SE_{33}	17.3	X	263.15441	253.79518	121.35982	3.34102	0.2575909	0.27821059	2.3239152	21	5 23.8	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
298881 2004 SS_{34}	17.2	X	43.19304	350.66699	236.88749	5.43518	0.1782537	0.28346790	2.2950921	21	7 10.9	19.3
298882 2004 SJ_{39}	16.6	X	309.51248	279.81526	27.17835	8.27390	0.2299063	0.27824051	2.3237486	21	4 18.5	19.1
298883 2004 SN_{39}	16.3	X	317.23422	281.49123	30.68634	6.76929	0.1532539	0.27845613	2.3225489	21	5 21.2	18.7
298884 2004 SC_{46}	17.2	X	286.53563	164.72276	223.78148	5.04941	0.2528509	0.28348331	2.2950090	21	7 8.4	19.9
298885 2004 SF_{46}	17.5	X	291.56837	93.23405	285.42221	2.27531	0.2225140	0.28318493	2.2966208	21	7 7.7	19.8
298886 2004 SU_{46}	17.1	X	312.03420	49.38158	288.37119	6.54368	0.1325173	0.28121088	2.3073561	21	6 26.1	19.2
298887 2004 SN_{48}	17.4	X	261.28425	56.96531	329.24673	4.78872	0.2484553	0.27765555	2.3270112	21	6 5.3	20.8
298888 2004 SD_{61}	17.2	X	267.32605	242.90015	123.53137	6.68988	0.2136136	0.27747255	2.3280343	21	5 22.7	20.6
298889 2004 TB_{8}	13.8	X	33.71139	333.79436	87.44721	14.27405	0.2594514	0.12547815	3.9514574	21	—	—
298890 2004 TA_{14}	17.0	X	270.32614	270.71494	96.13967	7.18800	0.1594832	0.27755307	2.3275840	21	6 1.9	20.1
298891 2004 TP_{18}	17.7	X	268.56435	242.34963	108.63105	3.28008	0.1897204	0.27649248	2.3335324	21	5 5.4	21.1
298892 2004 TX_{19}	17.5	X	306.69217	327.45911	24.81620	7.66432	0.1358447	0.28157002	2.3053937	21	7 10.1	20.0
298893 2004 TR_{31}	16.3	X	92.77411	164.62793	354.87063	6.29411	0.0806684	0.27199215	2.3592021	21	6 2.3	19.3
298894 2004 TZ_{34}	17.4	X	283.64225	332.58074	27.76110	5.53675	0.1614169	0.28023526	2.3127083	21	6 8.4	20.2
298895 2004 TD_{43}	17.7	X	197.78720	100.46983	322.25101	2.17185	0.1059509	0.27272642	2.3549657	21	5 30.5	21.1
298896 2004 TL_{45}	16.7	X	323.64490	295.11284	11.02795	2.51638	0.2244510	0.27939325	2.3173526	21	5 11.0	18.8
298897 2004 TX_{46}	17.6	X	333.10115	255.35265	27.10855	5.53866	0.1340473	0.27507032	2.3415686	21	5 7.7	19.8
298898 2004 TR_{48}	17.8	X	307.16575	302.14757	47.49076	2.05522	0.2528832	0.28246437	2.3005249	21	6 13.3	20.2
298899 2004 TR_{50}	18.0	X	182.02472	107.91530	339.27745	2.45564	0.1622849	0.27162218	2.3613439	21	6 16.0	21.6
298900 2004 TR_{56}	16.9	X	184.49931	254.86664	215.36387	4.33396	0.1236490	0.27896651	2.3197152	21	7 18.6	20.3
298901 2004 TU_{57}	17.1	X	171.23348	135.29956	357.89189	2.20390	0.1468323	0.28022502	2.3127647	21	8 6.5	20.5
298902 2004 TU_{63}	17.0	X	311.70497	136.73544	200.46697	5.83117	0.1534717	0.28099695	2.3085271	21	6 20.7	19.4
298903 2004 TV_{66}	17.8	X	257.65212	253.10753	121.76301	2.97758	0.2290293	0.27681576	2.3317152	21	5 20.9	21.3
298904 2004 TZ_{67}	17.0	X	238.08655	310.85885	91.26133	6.93049	0.2019575	0.27677541	2.3319418	21	6 8.8	20.5
298905 2004 TL_{71}	17.8	X	228.04629	144.80926	243.84420	1.61864	0.2032822	0.27409192	2.3471377	21	5 12.2	21.5
298906 2004 TB_{73}	16.9	X	331.15462	190.12346	24.10155	7.14804	0.0901016	0.26146300	2.4221213	21	2 8.3	19.9
298907 2004 TT_{75}	16.8	X	232.78165	198.18132	228.07932	7.33344	0.1689508	0.27789470	2.3256760	21	7 7.3	20.3
298908 2004 TR_{79}	17.1	X	242.66213	242.42292	196.84935	7.97762	0.1812457	0.28122238	2.3072933	21	8 2.6	20.6
298909 2004 TF_{83}	17.6	X	263.17603	185.77017	225.13129	2.56090	0.1619521	0.28267052	2.2994062	21	7 23.6	20.6
298910 2004 TN_{84}	17.3	X	313.03408	291.53804	10.42177	7.36729	0.1361591	0.27728371	2.3290911	21	4 30.8	19.9
298911 2004 TU_{89}	17.2	X	317.86406	256.06194	54.34304	5.56475	0.1394874	0.27965338	2.3159153	21	5 22.9	19.6
298912 2004 TF_{99}	18.1	X	224.24517	358.20557	50.82175	2.84701	0.1959213	0.27540159	2.3396906	21	6 4.5	21.9
298913 2004 TJ_{101}	17.4	X	319.53383	185.65022	64.44887	2.24712	0.1514283	0.26817302	2.3815479	21	2 27.7	20.1
298914 2004 TU_{102}	16.6	X	297.45316	284.19853	17.97614	7.21595	0.1844902	0.27313322	2.3526268	21	4 3.7	19.7
298915 2004 TD_{103}	17.3	X	267.38978	164.94725	221.94087	1.62655	0.1685338	0.27905228	2.3192399	21	6 24.3	20.4
298916 2004 TT_{103}	17.5	X	285.97934	220.90979	181.72745	5.84776	0.0978035	0.28569157	2.2831675	21	8 25.4	19.9
298917 2004 TO_{107}	17.4	X	293.65412	160.52517	188.59270	5.87672	0.1544743	0.28048474	2.3113367	21	6 9.1	20.1
298918 2004 TB_{114}	17.2	X	235.65153	21.57323	24.20447	3.25704	0.1645561	0.27545558	2.3393848	21	6 13.9	20.8
298919 2004 TB_{116}	16.8	X	243.71448	231.10968	137.91510	7.08938	0.1262834	0.27534327	2.3400209	21	5 10.4	20.2
298920 2004 TS_{117}	17.4	X	314.73399	162.46432	160.96931	5.34539	0.1803274	0.28044388	2.3115613	21	5 31.9	19.8
298921 2004 TM_{126}	17.1	X	254.97713	359.11281	45.78983	7.36149	0.1302012	0.28119696	2.3074323	21	7 10.7	20.2
298922 2004 TR_{126}	17.4	X	317.04117	196.46469	109.99778	5.45800	0.2382403	0.28039732	2.3118171	21	4 30.5	19.8
298923 2004 TK_{136}	17.3	X	269.95374	355.53418	338.90558	6.48305	0.1269210	0.27401341	2.3475860	21	4 18.4	20.5
298924 2004 TG_{148}	17.4	X	102.10934	223.13360	358.91647	5.32950	0.0833033	0.28580080	2.2825857	21	9 15.7	20.2
298925 2004 TD_{151}	17.1	X	44.07518	39.44924	201.31708	23.53434	0.1959708	0.28155105	2.3054973	21	7 31.4	20.1
298926 2004 TH_{151}	17.2	X	357.18515	238.81108	11.55277	6.84480	0.1165326	0.27463114	2.3440643	21	5 4.7	19.5
298927 2004 TJ_{158}	17.4	X	227.42328	153.96391	277.12853	2.18508	0.1381001	0.27745415	2.3281372	21	7 12.1	20.7
298928 2004 TK_{158}	17.7	X	277.63491	14.75525	13.12884	4.68349	0.2449514	0.28085191	2.3093219	21	6 27.7	20.7
298929 2004 TQ_{160}	17.5	X	268.17298	138.95895	254.84241	0.98157	0.2341741	0.28000731	2.3139633	21	6 25.7	20.4
298930 2004 TK_{162}	17.0	X	319.81325	89.35918	206.23544	6.19752	0.1154183	0.27410418	2.3470676	21	5 9.3	19.4
298931 2004 TK_{168}	17.4	X	289.90674	183.80913	176.39393	4.30423	0.1607937	0.28068164	2.3102557	21	6 18.4	20.1
298932 2004 TG_{176}	16.6	X	313.08525	116.05395	218.84547	5.69348	0.2511281	0.28025488	2.3126004	21	6 1.8	18.9
298933 2004 TR_{188}	17.1	X	314.53933	317.34011	268.76682	0.37152	0.1365215	0.26329662	2.4108630	21	1 22.0	20.2
298934 2004 TZ_{190}	17.4	X	223.23550	300.21280	187.98805	4.19124	0.1031710	0.28835687	2.2690767	21	9 28.9	20.3
298935 2004 TW_{205}	16.6	X	304.87916	250.51041	46.69106	13.96016	0.1582922	0.27067869	2.3668278	21	4 14.9	19.6
298936 2004 TU_{215}	18.1	X	257.27519	96.02113	326.07408	2.24724	0.1683717	0.28255209	2.3000487	21	7 31.9	21.1
298937 2004 TU_{231}	17.2	X	358.75121	252.89184	8.30115	5.86488	0.1626123	0.27568980	2.3380597	21	5 22.8	19.2
298938 2004 TO_{234}	17.6	X	172.94213	243.76168	201.94121	2.99160	0.1287232	0.27152771	2.3618915	21	6 4.7	21.2
298939 2004 TU_{235}	17.5	X	205.11949	53.04968	46.16789	5.08599	0.1580379	0.27791686	2.3255523	21	7 26.6	21.0
298940 2004 TQ_{237}	16.8	X	307.96289	255.91670	55.49474	4.57846	0.1822276	0.27656248	2.3331386	21	5 1.7	19.4
298941 2004 TW_{240}	17.1	X	344.07445	30.39950	290.61612	6.03247	0.1392401	0.28360583	2.2943479	21	8 2.1	19.0
298942 2004 TY_{253}	17.2	X	346.56025	242.81763	28.46853	2.41021	0.1917655	0.27885673	2.3203240	21	5 8.9	18.8
298943 2004 TJ_{274}	17.4	X	154.17734	69.71954	16.06837	2.80091	0.1552955	0.26681234	2.3896379	21	5 17.1	20.9
298944 2004 TL_{275}	17.4	X	168.38291	207.64135	248.14515	1.26344	0.1719322	0.27024463	2.3693615	21	6 14.6	21.2
298945 2004 TY_{286}	17.6	X	282.97857	154.71263	167.43042	3.51229	0.1509973	0.27487946	2.3426524	21	4 18.2	20.6
298946 2004 TZ_{293}	17.2	X	184.93779	216.77047	213.53747	6.49870	0.0472959	0.27140287	2.3626158	21	5 26.9	20.3
298947 2004 TD_{295}	17.1	X	221.57316	64.96555	337.04062	1.82525	0.2155131	0.27257215	2.3558541	21	5 22.7	21.0
298948 2004 TN_{295}	17.3	X	271.61297	14.08306	15.88246	2.67278	0.1449586	0.27887577	2.3202184	21	7 8.7	20.1
298949 2004 TL_{307}	17.0	X	161.43307	103.51385	317.83157	6.64416	0.1832744	0.26667432	2.3904624	21	4 21.6	20.9
298950 2004 TM_{314}	17.2	X	354.77108	23.50593	237.85206	3.88610	0.1344520	0.27663532	2.3327290	21	5 18.1	19.0
298951 2004 TF_{316}	17.4	X	315.28364	245.75553	33.37807	2.65819	0.1981585	0.27470101	2.3436668	21	3 24.9	20.2
298952 2004 TN_{319}	17.4	X	170.98556	266.66548	179.82344	1.02006	0.1505736	0.27127424	2.3633625	21	6 4.3	21.1
298953 2004 TG_{328}	16.6	X	342.23252	195.63083	117.51719	8.89332	0.1392302	0.28309068	2.2971305	21	7 16.3	18.2
298954 2004 TL_{335}	17.4	X	202.81439	45.26725	15.93157	1.51724	0.1793739	0.27239587	2.3568704	21	6 1.2	21.2
298955 2004 TN_{349}	17.1	X	161.61881	217.19824	200.76219	6.19035	0.0705421	0.26525186	2.3990010	21	4 12.4	20.4
298956 2004 TX_{353}	17.4	X	272.78659	87.21810	238.43665	1.63452	0.0583944	0.26837555	2.3803496	21	4 22.4	20.4
298957 2004 TW_{355}	16.5	X	255.31129	271.94221	99.21118	7.16111	0.2024392	0.27627693	2.3347459	21	5 17.5	20.0
298958 2004 TN_{367}	17.2	X	213.07294	16.18822	31.37257	6.22176	0.1281236	0.27179220	2.3603590	21	5 25.3	20.8
298959 2004 UV_{6}	16.8	X	130.83956	151.58070	265.55017	5.48641	0.1026118	0.26075792	2.4264855	21	3 6.1	20.2
298960 2004 VH_{3}	17.1	X	214.58004	322.70454	74.26317	3.47760	0.2155410	0.27134070	2.3629766	21	5 11.3	21.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
298961 2004 VY_6	17.0	X	207.48661	280.01905	165.34168	3.42461	0.2077586	0.27455347	2.3445064	21	7 6.0	20.7
298962 2004 VV_{14}	16.9	X	187.09566	308.83343	140.72223	5.26924	0.1907915	0.27116580	2.3639926	21	6 24.0	20.8
298963 2004 VM_{15}	16.9	X	156.00219	234.25604	236.05915	8.97606	0.0345626	0.27136536	2.3628335	21	6 13.4	20.0
298964 2004 VK_{16}	17.5	X	243.28654	127.62804	278.44136	1.76384	0.1890224	0.27672326	2.3322348	21	6 20.3	20.9
298965 2004 VL_{17}	17.9	X	199.11220	11.28802	60.65243	3.19675	0.1987418	0.27260939	2.3556396	21	6 11.5	21.7
298966 2004 VN_{17}	16.9	X	234.49184	347.79912	67.03158	3.49235	0.1852993	0.27608158	2.3358472	21	6 23.3	20.5
298967 2004 VA_{19}	16.8	X	171.02193	356.85052	57.41487	7.29109	0.0804739	0.26523404	2.3991084	21	4 21.2	20.1
298968 2004 VS_{27}	17.6	X	231.15731	116.11523	274.92958	1.15154	0.2095630	0.27260291	2.3556769	21	5 17.7	21.2
298969 2004 VL_{28}	17.7	X	220.18229	183.67508	225.69596	1.49110	0.1896747	0.27267644	2.3552534	21	6 1.9	21.4
298970 2004 VN_{40}	17.5	X	248.67124	157.72228	202.22014	3.32374	0.1024634	0.27080134	2.3661132	21	5 4.2	20.8
298971 2004 VB_{42}	17.3	X	188.67194	358.55161	59.14197	2.97288	0.1645730	0.26904231	2.3764152	21	5 14.9	21.1
298972 2004 VS_{69}	16.9	X	100.48383	119.07945	341.42077	1.76033	0.0990456	0.25860039	2.4399631	21	3 26.7	20.0
298973 2004 VN_{72}	17.4	X	129.10225	114.38211	354.72802	1.15417	0.1233090	0.26499204	2.4005689	21	5 18.0	20.6
298974 2004 VV_{73}	17.0	X	228.77206	312.54710	113.13183	9.80764	0.1583197	0.27634441	2.3343659	21	7 4.4	20.5
298975 2004 VU_{81}	17.5	X	217.68289	0.04402	58.37170	4.44422	0.1270842	0.27404881	2.3473838	21	6 14.7	21.0
298976 2004 VB_{90}	18.0	X	249.31373	81.22082	332.65393	1.95495	0.1846248	0.27770342	2.3267438	21	7 8.4	21.2
298977 2004 VF_{112}	17.3	X	233.97483	4.94274	59.61520	3.17720	0.1563163	0.27635430	2.3343102	21	7 9.1	20.6
298978 2004 WM	17.0	X	256.85343	218.10900	182.90797	4.84740	0.1366536	0.27806821	2.3247084	21	7 5.0	20.0
298979 2004 WL_1	17.8	X	164.13938	40.32556	35.53692	1.22185	0.1920934	0.26636822	2.3922934	21	5 16.4	21.4
298980 2004 WD_5	17.1	X	179.65009	356.16606	70.35031	3.08439	0.1663656	0.26815130	2.3816765	21	5 18.1	20.7
298981 2004 WW_{10}	17.2	X	218.85710	95.48969	12.68367	6.66341	0.0649627	0.28077985	2.3097170	21	9 2.0	20.2
298982 2004 WA_{11}	17.4	X	158.80930	248.32421	196.60963	0.68062	0.1531315	0.26612116	2.3937738	21	5 21.3	21.0
298983 2004 WM_{11}	17.2	X	280.41532	297.71828	88.64891	6.45785	0.2379595	0.28059151	2.3107504	21	6 30.1	20.0
298984 2004 XM_6	16.0	X	300.66991	152.85979	222.50532	24.33156	0.1907533	0.28080023	2.3096052	21	7 15.5	19.1
298985 2004 XZ_8	17.1	X	213.53983	133.16306	308.53446	3.83098	0.2072646	0.27383634	2.3485979	21	7 7.4	20.7
298986 2004 XD_{13}	16.6	X	114.30506	33.98182	99.44012	3.15828	0.1566482	0.26290114	2.4132801	21	6 7.5	19.8
298987 2004 XB_{19}	15.1	X	68.81230	308.26171	92.30160	4.47118	0.2549876	0.12664919	3.9270622	21	1 14.4	20.0
298988 2004 XX_{19}	17.3	X	208.85997	5.96864	49.48661	2.98878	0.2008773	0.27011836	2.3700999	21	5 29.7	21.1
298989 2004 XZ_{19}	17.2	X	155.59161	22.05033	79.00416	3.33487	0.1732607	0.26626748	2.3928968	21	6 9.4	20.8
298990 2004 XY_{23}	17.4	X	271.77581	12.15451	16.48824	3.23606	0.2001808	0.27782452	2.3260676	21	6 28.0	20.4
298991 2004 XN_{24}	17.1	X	199.44376	347.83432	103.27708	3.27796	0.1253082	0.27360364	2.3499293	21	7 9.8	20.5
298992 2004 XJ_{26}	17.5	X	220.09201	79.98808	329.30616	2.88142	0.2343069	0.27044102	2.3682143	21	5 29.9	21.4
298993 2004 XO_{27}	16.9	X	184.76973	112.26552	303.07408	6.37587	0.1013232	0.26602220	2.3943675	21	5 4.5	20.6
298994 2004 XE_{28}	17.1	X	104.12613	145.67394	305.45030	0.58574	0.1585442	0.25635294	2.4542032	21	3 28.8	20.0
298995 2004 XH_{28}	17.2	X	223.88166	137.15529	290.76552	4.23653	0.1983507	0.27312570	2.3526700	21	6 29.3	20.8
298996 2004 XC_{29}	17.2	X	189.50979	117.50622	318.44288	5.17082	0.1836861	0.26751097	2.3854756	21	6 8.1	21.1
298997 2004 XD_{32}	16.9	X	105.99742	290.65770	188.34302	0.96287	0.1271087	0.26126033	2.4233738	21	5 3.9	20.0
298998 2004 XG_{53}	17.7	X	50.51903	299.76730	204.79426	0.33543	0.1298566	0.25446055	2.4663559	21	3 13.1	20.1
298999 2004 XE_{64}	17.2	X	114.98871	89.99057	349.85829	2.11861	0.1631491	0.25716634	2.4490255	21	3 28.3	20.2
299000 2004 XF_{79}	17.3	X	238.73361	116.25932	296.45440	2.19527	0.2291370	0.27451324	2.3447355	21	6 20.9	20.9
299001 2004 XH_{80}	16.7	X	190.81418	17.29481	69.04319	3.71222	0.1414769	0.26978891	2.3720289	21	6 23.8	20.4
299002 2004 XN_{87}	17.7	X	199.00349	12.84690	91.35737	3.36014	0.1949247	0.27461126	2.3441775	21	7 24.3	21.5
299003 2004 XP_{87}	15.3	X	40.25597	218.55037	193.11159	2.51502	0.2140579	0.12408625	3.9809520	21	—	—
299004 2004 XD_{88}	17.2	X	154.82502	90.45453	344.23723	3.18532	0.1256934	0.26124936	2.4234416	21	4 30.6	20.7
299005 2004 XJ_{92}	17.0	X	227.66398	354.71179	49.01185	5.75448	0.1875820	0.27210433	2.3585536	21	6 1.1	20.7
299006 2004 XW_{96}	15.8	X	246.04531	300.81155	289.74587	16.36346	0.1627005	0.23796926	2.5790246	21	—	—
299007 2004 XA_{100}	17.9	X	249.78903	11.30646	28.32403	1.54541	0.1915160	0.27241658	2.3567509	21	6 18.3	21.2
299008 2004 XQ_{104}	17.4	X	139.90518	335.91825	115.60207	1.55345	0.1884902	0.26239522	2.4163811	21	5 14.1	21.1
299009 2004 XD_{106}	17.0	X	192.69498	48.60931	31.75503	5.73023	0.2076392	0.27027202	2.3692015	21	6 16.4	20.9
299010 2004 XT_{111}	17.7	X	171.74654	196.97233	236.77209	4.56640	0.2035248	0.26790723	2.3831228	21	5 21.1	21.5
299011 2004 XO_{129}	16.9	X	114.59961	6.98564	72.26780	5.41455	0.0560803	0.25647338	2.4534348	21	3 14.4	20.0
299012 2004 XH_{135}	14.6	X	50.82037	16.30534	44.24440	9.25662	0.3105852	0.12502882	3.9609191	21	1 17.5	19.0
299013 2004 XC_{136}	17.6	X	236.39037	31.19948	7.14961	4.84382	0.2467656	0.27323723	2.3520297	21	5 28.6	21.4
299014 2004 XT_{143}	17.0	X	217.03481	93.01285	286.19587	4.93298	0.1175047	0.26634092	2.3924569	21	4 21.4	20.6
299015 2004 YB_4	17.1	X	217.28991	295.71398	90.78810	3.85023	0.1758587	0.26478212	2.4018374	21	5 2.7	20.9
299016 2004 YC_4	17.5	X	128.65120	23.27533	86.01974	3.13562	0.1454625	0.26041597	2.4286092	21	5 21.4	20.9
299017 2004 YX_6	17.5	X	218.06403	241.30011	170.03248	1.41809	0.1725152	0.27228866	2.3574890	21	6 3.5	21.2
299018 2004 YK_{21}	17.7	X	171.97523	153.83472	268.53192	0.41697	0.1709888	0.26082714	2.4260563	21	5 5.7	21.6
299019 2004 YD_{24}	17.3	X	166.72842	99.10705	290.92137	6.09916	0.2000375	0.25758030	2.4464008	21	3 19.7	21.3
299020 Chennaoui	16.7	X	338.97194	240.75261	281.72218	6.57984	0.1407435	0.24160015	2.5531201	21	—	—
299021 2005 AW_3	16.9	X	166.23409	1.78393	61.67578	2.97896	0.1776981	0.26144997	2.4222018	21	5 2.5	20.7
299022 2005 AP_{12}	16.3	X	331.15525	149.09130	38.73240	3.99172	0.1687176	0.24360529	2.5390909	21	—	—
299023 2005 AO_{15}	16.5	X	121.13984	37.29603	83.30132	4.49417	0.1340292	0.25957345	2.4338615	21	5 26.6	19.7
299024 2005 AU_{15}	16.2	X	327.85570	255.62961	281.40363	6.41329	0.1277445	0.24341816	2.5403920	21	—	—
299025 2005 AK_{16}	16.4	X	308.88219	266.54821	287.07987	6.28978	0.1473922	0.24200083	2.5503012	21	—	—
299026 2005 AL_{17}	16.8	X	163.22642	299.66768	124.44409	3.75310	0.1551369	0.26015112	2.4302573	21	4 30.4	20.5
299027 2005 AO_{18}	16.8	X	158.88169	16.94546	57.98657	2.63214	0.1238977	0.26120906	2.4236909	21	5 6.6	20.1
299028 2005 AS_{26}	17.2	X	109.82654	21.34613	99.60392	2.30326	0.1461918	0.25726594	2.4483933	21	5 15.1	20.5
299029 2005 AU_{27}	16.1	X	189.02016	121.85486	114.78110	13.99652	0.1331034	0.22979762	2.6398081	21	12 27.8	20.2
299030 2005 AJ_{31}	16.6	X	65.03710	11.05849	123.04639	3.24978	0.1278278	0.25323869	2.4742829	21	3 26.1	19.2
299031 2005 AQ_{37}	16.9	X	4.53900	166.28541	313.38158	14.18043	0.0846753	0.23989999	2.5651685	21	—	—
299032 2005 AT_{37}	15.7	X	170.68384	131.12989	107.07861	13.79593	0.1642713	0.22403838	2.6848566	21	12 10.9	20.2
299033 2005 AH_{40}	16.8	X	96.44828	90.25946	357.51503	2.31163	0.1875908	0.25214352	2.4814423	21	3 19.1	19.6
299034 2005 AN_{41}	17.8	X	232.64199	232.22309	183.27878	1.01728	0.1732228	0.27077199	2.3662841	21	6 23.4	21.4
299035 2005 AT_{51}	16.5	X	99.96546	354.70343	151.87771	9.74751	0.1506854	0.25949024	2.4343818	21	6 8.4	19.9
299036 2005 AV_{52}	17.0	X	88.67912	164.06655	323.39077	5.82420	0.0925425	0.25490141	2.4635113	21	4 12.9	20.1
299037 2005 AU_{55}	17.1	X	185.75882	182.88717	229.14980	1.51434	0.1629947	0.26258638	2.4152083	21	5 5.1	21.0
299038 2005 AJ_{58}	17.2	X	127.66571	90.73927	352.16336	2.10264	0.1700257	0.25678475	2.4514511	21	4 17.1	20.5
299039 2005 AW_{61}	17.2	X	180.57323	56.67748	14.52682	2.61003	0.2095166	0.26305831	2.4123188	21	5 25.3	21.3
299040 2005 AC_{66}	18.0	X	158.97139	170.86055	279.04267	1.73566	0.1715243	0.26246214	2.4159704	21	5 28.9	21.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
299041 2005 AR_{66}	16.3	X	64.00342	14.06032	129.29518	5.53797	0.0775262	0.25356983	2.4721282	21	4 1.2	19.1
299042 2005 AA_{80}	16.6	X	271.93381	273.77040	336.87848	6.04037	0.1190582	0.24267079	2.5456052	21	1 12.1	20.4
299043 2005 BL	16.3	X	198.01774	70.46652	320.33815	5.44297	0.1403224	0.26024546	2.4296699	21	4 16.9	20.1
299044 2005 BC_{4}	16.2	X	294.28443	57.35280	167.74297	3.63641	0.1586945	0.24318772	2.5419966	21	—	—
299045 2005 BG_{10}	17.3	X	89.31690	204.21604	277.86334	1.71321	0.1588150	0.25398628	2.4694252	21	4 19.6	20.2
299046 2005 BP_{13}	17.0	X	179.74795	172.98602	279.53143	1.33118	0.1336722	0.26435591	2.4044183	21	6 20.9	20.6
299047 2005 BU_{18}	17.4	X	189.14446	301.89978	126.12916	2.98059	0.1297930	0.26374099	2.4081542	21	5 29.6	21.0
299048 2005 BH_{42}	17.0	X	313.44426	265.97939	313.63119	1.90043	0.0379659	0.24676807	2.5173489	21	1 30.3	20.2
299049 2005 BL_{49}	18.0	X	112.36993	165.32647	272.89127	0.20807	0.2024732	0.25239961	2.4797635	21	3 29.4	21.2
299050 2005 BS_{49}	16.8	X	359.11464	177.47356	320.43275	12.96923	0.1003733	0.23966858	2.5668194	21	—	—
299051 2005 CB_{3}	17.4	X	201.67379	95.86075	331.02561	2.13288	0.2016095	0.26609772	2.3939144	21	6 7.2	21.2
299052 2005 CT_{4}	16.6	X	339.69887	87.98798	113.74034	3.89322	0.1733728	0.24651856	2.5190472	21	1 22.3	19.5
299053 2005 CP_{5}	16.7	X	311.78969	162.86986	11.07018	4.35814	0.0809235	0.23702816	2.5858466	21	—	—
299054 2005 CJ_{8}	17.6	X	140.61005	16.27198	99.73057	2.69921	0.1611045	0.26190939	2.4193684	21	6 13.5	21.3
299055 2005 CK_{8}	16.7	X	197.58962	69.11860	350.77353	2.40811	0.1682787	0.26436310	2.4043748	21	5 25.8	20.6
299056 2005 CE_{13}	17.2	X	70.33099	86.89073	51.97814	1.90815	0.1320447	0.25212988	2.4815318	21	4 10.7	19.8
299057 2005 CE_{15}	17.2	X	131.29755	341.68004	114.64389	3.34250	0.1469607	0.25703435	2.4498638	21	5 8.2	20.6
299058 2005 CW_{16}	17.5	X	102.10595	131.33088	327.02284	1.26565	0.1336529	0.25232353	2.4802619	21	4 1.3	20.6
299059 2005 CP_{20}	16.9	X	84.63017	67.38215	79.22407	3.13815	0.1382957	0.25488652	2.4636072	21	5 15.3	19.9
299060 2005 CH_{29}	16.7	X	202.32680	299.45912	353.30208	5.67479	0.1315222	0.23738975	2.5832201	21	—	—
299061 2005 CE_{31}	13.9	X	189.49967	83.42749	12.43661	4.59920	0.0336981	0.08169729	5.2601437	21	7 7.7	21.0
299062 2005 CC_{34}	13.4	X	289.80154	16.40470	338.10560	8.49314	0.0659520	0.08375429	5.1736615	21	6 28.9	20.2
299063 2005 CK_{36}	16.2	X	237.56389	234.03623	326.00663	14.33347	0.0515990	0.22909960	2.6451674	21	—	—
299064 2005 CG_{48}	16.6	X	7.97875	191.19917	346.37081	3.98301	0.0963429	0.24548971	2.5260805	21	2 15.0	19.2
299065 2005 CM_{49}	16.3	X	325.99865	247.54068	318.99102	3.25510	0.0509760	0.24405862	2.5359457	21	1 28.6	19.4
299066 2005 CB_{50}	16.0	X	196.78645	276.56086	321.16072	11.65713	0.1353960	0.22616427	2.6680055	21	—	—
299067 2005 CL_{53}	17.5	X	138.18696	356.96625	90.65367	3.66048	0.1759844	0.25678269	2.4514642	21	5 7.0	21.1
299068 2005 CH_{60}	16.2	X	264.96181	356.34349	145.22395	13.84031	0.1060952	0.22589333	2.6701384	21	12 4.1	19.9
299069 2005 CD_{66}	16.8	X	203.33527	7.26100	183.83024	2.59216	0.1181117	0.22038794	2.7144229	21	11 17.3	20.8
299070 2005 CS_{66}	17.7	X	65.09099	322.44776	129.11513	1.27507	0.1013627	0.24348828	2.5399042	21	1 22.5	20.5
299071 2005 CW_{76}	16.6	X	52.72530	315.19212	129.85711	15.53473	0.0345198	0.24102789	2.5571597	21	—	—
299072 2005 DF_{3}	16.0	X	50.57709	324.71962	279.47519	4.36943	0.1333967	0.19067564	2.9895506	21	8 6.6	19.8
299073 2005 EK_{1}	17.2	X	213.39486	240.17339	161.56250	27.05271	0.0925040	0.37912116	1.8906771	21	5 20.6	20.3
299074 2005 EO_{9}	16.9	X	146.87890	127.55383	333.37824	9.82210	0.2114108	0.25855310	2.4402607	21	6 1.9	21.0
299075 2005 EX_{10}	17.2	X	309.83231	334.46742	199.10685	4.09460	0.1234583	0.23382114	2.6094373	21	—	—
299076 2005 EJ_{11}	16.5	X	123.19463	70.37546	32.03850	4.68880	0.1504499	0.25575899	2.4580013	21	5 5.7	20.0
299077 2005 EB_{12}	16.9	X	312.82227	24.67935	136.24572	9.22144	0.1190746	0.23378929	2.6096743	21	—	—
299078 2005 ES_{14}	16.4	X	193.74637	46.09380	160.49808	14.81675	0.1346018	0.21878904	2.7276313	21	11 27.1	20.9
299079 2005 EQ_{25}	16.5	X	339.06408	303.40056	159.53091	14.69779	0.1357950	0.22933559	2.6433524	21	—	—
299080 2005 EG_{27}	16.9	X	265.25218	196.06388	355.29480	6.21827	0.1990518	0.22778732	2.6553168	21	—	—
299081 2005 EK_{39}	17.2	X	74.53250	174.98561	154.71376	2.08934	0.0450756	0.22051192	2.7134053	21	12 17.6	20.9
299082 2005 EV_{41}	17.2	X	223.99708	76.08354	308.66646	1.74789	0.2448137	0.26412191	2.4058383	21	5 1.7	21.3
299083 2005 EV_{46}	15.9	X	324.78156	33.68241	170.59227	14.57617	0.0333225	0.24307457	2.5427853	21	1 24.6	19.5
299084 2005 EF_{47}	16.5	X	262.33401	30.05882	174.65575	4.19167	0.0870530	0.22964856	2.6409503	21	—	—
299085 2005 EY_{51}	16.0	X	6.52206	80.68586	11.00843	21.69300	0.1175002	0.22829165	2.6514048	21	—	—
299086 2005 EJ_{60}	16.6	X	285.51060	350.92779	194.42918	8.31463	0.1338767	0.23098899	2.6307235	21	—	—
299087 2005 EN_{61}	16.9	X	38.11999	188.83199	289.91445	4.86432	0.1904148	0.24200989	2.5502376	21	1 13.5	19.1
299088 2005 ET_{64}	15.8	X	156.88144	260.12835	333.04434	14.58767	0.0738274	0.21739505	2.7392791	21	11 17.2	20.2
299089 2005 EZ_{64}	16.6	X	15.47236	15.50961	118.58155	5.21756	0.1202332	0.23926422	2.5697106	21	—	—
299090 2005 EB_{65}	15.7	X	163.02312	212.90237	14.15448	13.18173	0.0694072	0.21543971	2.7558287	21	11 17.0	20.0
299091 2005 ES_{67}	15.8	X	87.20887	27.47681	1.77501	13.42398	0.0421758	0.23157269	2.6263010	21	—	—
299092 2005 EV_{69}	17.5	X	333.79062	96.17379	187.11351	21.30556	0.0890888	0.37588891	1.9015002	21	5 11.1	19.3
299093 2005 EJ_{77}	17.6	X	14.29673	148.59835	323.93058	2.15835	0.0763841	0.23505395	2.6003053	21	—	—
299094 2005 EY_{79}	15.9	X	205.33239	223.93331	359.85587	12.68973	0.1117064	0.22210605	2.7004063	21	12 30.8	20.1
299095 2005 EW_{81}	17.0	X	27.70857	269.20121	171.79880	8.62015	0.0515452	0.23261836	2.6184245	21	—	—
299096 2005 ET_{82}	16.9	X	49.86119	144.81799	334.35626	6.30061	0.1473841	0.24296042	2.5435817	21	2 7.8	19.2
299097 2005 EP_{88}	16.4	X	40.15219	67.72987	313.59486	5.42097	0.0490277	0.22384091	2.6864354	21	—	—
299098 2005 EJ_{90}	16.4	X	227.66476	63.82986	174.37886	12.35055	0.0470913	0.23069056	2.6329918	21	—	—
299099 2005 EQ_{93}	15.7	X	188.51987	134.24923	79.62052	13.87826	0.0813283	0.21703720	2.7422892	21	12 2.3	19.6
299100 2005 EC_{98}	16.3	X	312.85982	8.34013	191.23320	8.25524	0.0430961	0.23949994	2.5680242	21	1 3.5	19.9
299101 2005 EW_{108}	17.0	X	338.54005	168.72976	336.85733	11.16546	0.1932368	0.23487194	2.6016485	21	—	—
299102 2005 EX_{108}	15.8	X	173.15040	265.85082	321.64518	11.09750	0.1407724	0.21783462	2.7355928	21	11 27.0	20.4
299103 2005 EZ_{111}	16.2	X	273.85928	41.34368	143.35597	8.26656	0.1050871	0.22938404	2.6429803	21	—	—
299104 2005 ED_{116}	17.3	X	205.71853	110.70150	153.82302	3.09882	0.0255380	0.23003062	2.6380252	21	—	—
299105 2005 EV_{118}	16.0	X	334.60007	175.40485	327.81467	13.54342	0.0234467	0.23244916	2.6196950	21	—	—
299106 2005 ED_{129}	17.3	X	47.16435	257.38371	190.21866	3.13206	0.1664064	0.23821045	2.5772834	21	—	—
299107 2005 EY_{129}	16.4	X	181.65740	317.47574	318.08601	14.20339	0.1442190	0.23206785	2.6225638	21	—	—
299108 2005 EU_{130}	17.4	X	120.94401	104.64397	5.84515	4.61737	0.1798267	0.25456640	2.4656722	21	5 16.9	20.9
299109 2005 EY_{136}	15.8	X	142.53348	239.75494	22.65304	11.41958	0.1810833	0.21441165	2.7646307	21	12 10.8	20.6
299110 2005 EU_{137}	15.6	X	154.98071	319.90532	25.52909	14.91593	0.1268033	0.23566459	2.5958116	21	1 15.4	19.7
299111 2005 EZ_{137}	16.4	X	100.29226	118.45804	183.73909	8.74815	0.1579250	0.21335909	2.7737157	21	12 21.4	21.0
299112 2005 EQ_{142}	16.6	X	302.60729	168.75263	23.46170	13.61039	0.2018784	0.23257129	2.6187778	21	—	—
299113 2005 EN_{149}	16.6	X	80.37168	286.80303	40.17182	7.01259	0.0597054	0.21719678	2.7409458	21	12 21.9	20.6
299114 2005 ER_{149}	16.2	X	307.20174	164.61896	20.76632	13.77344	0.1081652	0.23249097	2.6193809	21	—	—
299115 2005 EP_{156}	16.6	X	328.65478	165.41675	6.67655	12.17712	0.1127396	0.23886826	2.5725496	21	—	—
299116 2005 EH_{157}	17.1	X	120.56272	104.49860	167.80528	1.53051	0.0399211	0.21697593	2.7428055	21	11 29.4	21.0
299117 2005 EX_{160}	16.5	X	32.64315	164.44762	176.70855	5.19079	0.0054619	0.21209056	2.7847646	21	11 3.7	20.2
299118 2005 EG_{162}	16.3	X	238.64344	216.08771	329.83724	8.24199	0.2702031	0.22086160	2.7105405	21	11 28.0	20.5
299119 2005 EL_{182}	17.8	X	192.45543	303.97699	182.09394	21.64134	0.0351127	0.38589689	1.8684803	21	8 29.1	19.9
299120 2005 EW_{184}	16.6	X	274.54279	339.09895	218.26367	3.85662	0.1248389	0.22837706	2.6507437	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
299121 2005 ES_{188}	17.6	X	330.24839	272.14082	8.96359	20.67357	0.0531100	0.37182496	1.9153304	21	4 24.3	19.6
299122 2005 EC_{192}	17.0	X	208.91011	259.44040	330.69688	4.29840	0.1087480	0.22465566	2.6799363	21	—	—
299123 2005 EM_{197}	16.4	X	252.67160	297.96861	254.20198	1.16507	0.0728143	0.22461536	2.6802569	21	—	—
299124 2005 EL_{198}	17.0	X	164.41024	269.90133	343.62944	2.73394	0.1510835	0.21732002	2.7399095	21	12 21.4	21.5
299125 2005 ER_{199}	16.7	X	210.03253	221.16025	356.97737	3.59225	0.0375646	0.22286130	2.6943020	21	—	—
299126 2005 ED_{207}	16.9	X	243.65930	239.67257	347.77467	8.38414	0.0889681	0.22799492	2.6537048	21	—	—
299127 2005 EF_{213}	16.6	X	117.16965	138.03803	171.50307	5.53989	0.0648643	0.22203867	2.7009527	21	—	—
299128 2005 ET_{214}	16.0	X	105.72223	282.21669	331.73023	11.56060	0.1872862	0.21130889	2.7916279	21	10 27.2	20.7
299129 2005 EA_{217}	16.3	X	177.13418	184.67187	20.75251	12.22214	0.2549521	0.21591811	2.7517565	21	10 31.2	21.3
299130 2005 ED_{217}	15.7	X	183.54547	295.04063	15.80274	14.60581	0.1274815	0.23667312	2.5884320	21	—	—
299131 2005 EM_{217}	17.1	X	352.77534	67.63532	69.32352	4.24270	0.1540587	0.23572888	2.5953395	21	—	—
299132 2005 EH_{221}	17.4	X	43.44615	212.07282	1.95999	19.26276	0.0783533	0.37443622	1.9064152	21	5 20.9	19.4
299133 2005 ER_{221}	15.8	X	277.38701	332.54970	224.32134	13.64531	0.0431428	0.23216415	2.6218385	21	—	—
299134 Moggicecchi	17.1	X	51.87490	158.82142	314.87707	2.43192	0.0959155	0.24372582	2.5382537	21	1 30.8	19.8
299135 2005 ES_{237}	16.6	X	17.98585	77.57947	12.15279	6.58765	0.0601848	0.23138604	2.6277131	21	—	—
299136 2005 EY_{237}	16.6	X	181.69116	262.15896	3.95037	16.39220	0.0419120	0.22611060	2.6684277	21	—	—
299137 2005 EV_{239}	16.8	X	86.10320	1.31877	89.04530	1.92408	0.1392313	0.24404239	2.5360581	21	3 1.7	19.6
299138 2005 EA_{240}	17.2	X	121.51803	22.43579	8.07810	5.26611	0.1223608	0.23873721	2.5734909	21	1 30.2	20.6
299139 2005 EW_{241}	16.0	X	330.98819	23.18623	123.71629	11.76927	0.0764061	0.23404038	2.6078075	21	—	—
299140 2005 EH_{243}	17.8	X	294.13314	310.89980	8.70733	20.21924	0.0455384	0.37661735	1.8990475	21	4 27.5	19.8
299141 2005 EN_{246}	16.8	X	70.45389	355.32752	9.34051	6.21975	0.0447124	0.22452879	2.6809458	21	—	—
299142 2005 EN_{247}	16.5	X	294.93138	137.15390	3.61695	7.73059	0.0626138	0.22503039	2.6769603	21	—	—
299143 2005 ED_{260}	16.8	X	181.56866	51.84150	163.55997	3.56981	0.0292112	0.21509936	2.7587349	21	11 29.9	20.7
299144 2005 EG_{264}	16.7	X	102.38162	278.74876	354.34256	8.28658	0.1204480	0.21171899	2.7880218	21	11 13.0	21.0
299145 2005 EE_{266}	16.9	X	108.62192	97.05320	343.33420	3.31540	0.1304531	0.24376495	2.5379820	21	3 17.6	20.0
299146 2005 EU_{266}	15.6	X	64.21200	87.08460	11.56834	22.33619	0.0419682	0.23706627	2.5855694	21	2 7.9	19.3
299147 2005 EH_{270}	17.3	X	175.08679	71.75226	24.80253	22.36621	0.0223351	0.37735854	1.8965600	21	6 10.2	19.8
299148 2005 EK_{273}	16.6	X	240.01238	348.48941	196.15495	4.94647	0.0625924	0.22149866	2.7053408	21	12 28.1	20.3
299149 2005 EA_{276}	16.3	X	291.33539	194.02867	318.65800	13.38731	0.1836691	0.22784989	2.6548307	21	—	—
299150 2005 EM_{279}	16.1	X	239.18671	225.20021	305.91674	12.02173	0.1968488	0.22282027	2.6946327	21	11 19.1	20.2
299151 2005 EB_{284}	15.9	X	149.72936	252.13442	13.70381	13.68744	0.1733509	0.22089786	2.7102439	21	12 22.9	20.6
299152 2005 EG_{290}	16.2	X	94.65034	262.18023	27.08049	12.69000	0.0798989	0.21139828	2.7908410	21	11 20.6	20.4
299153 2005 EX_{298}	16.9	X	102.14222	52.44857	357.07302	3.19769	0.2683547	0.24573570	2.5243945	21	2 18.4	19.9
299154 2005 EQ_{323}	16.4	X	264.85457	340.68473	194.62651	11.63768	0.1302846	0.22260403	2.6963775	21	—	—
299155 2005 EK_{330}	16.4	X	252.10491	157.77040	45.20938	5.66482	0.0837182	0.22706126	2.6609743	21	—	—
299156 2005 FD_{4}	15.9	X	240.93887	78.76847	148.08279	14.00572	0.1312641	0.22676853	2.6632638	21	—	—
299157 2005 FO_{11}	16.5	X	164.79918	110.73633	91.95956	10.30096	0.1638148	0.21042854	2.7994086	21	10 26.2	21.2
299158 2005 GD_{6}	16.5	X	4.20492	258.99887	191.15501	13.72701	0.0646520	0.22485326	2.6783660	21	—	—
299159 2005 GF_{7}	16.7	X	137.18007	197.08041	68.97803	5.38983	0.0797729	0.21438958	2.7648204	21	12 10.5	20.9
299160 2005 GK_{12}	16.5	X	187.06496	155.36358	69.33274	2.34090	0.1661913	0.21688333	2.7435861	21	12 6.9	20.9
299161 2005 GL_{12}	15.7	X	173.61033	253.49625	32.60336	14.04922	0.1436891	0.22387578	2.6861564	21	—	—
299162 2005 GM_{12}	15.6	X	204.31478	164.00612	32.94246	9.84074	0.0715703	0.21667390	2.7453537	21	11 27.3	19.6
299163 2005 GF_{15}	17.2	X	45.20507	74.00756	23.50687	2.48863	0.1742131	0.23869013	2.5738293	21	—	—
299164 2005 GD_{19}	16.9	X	275.01580	181.89428	18.44497	2.24519	0.1329694	0.22929585	2.6436579	21	—	—
299165 2005 GT_{20}	16.2	X	102.27389	124.11112	213.71811	5.77597	0.0737193	0.21797105	2.7344512	21	—	—
299166 2005 GC_{28}	16.0	X	190.99123	54.53549	206.27948	14.06462	0.0375831	0.22321906	2.6914224	21	—	—
299167 2005 GL_{36}	16.7	X	351.18822	56.61667	27.60073	3.82349	0.0442519	0.22205291	2.7008372	21	—	—
299168 2005 GJ_{37}	16.6	X	3.11193	287.77878	207.83588	12.38268	0.0993520	0.23214046	2.6220169	21	—	—
299169 2005 GR_{37}	16.6	X	324.00976	228.18963	291.43949	5.01438	0.2594664	0.23204824	2.6227115	21	—	—
299170 2005 GX_{40}	16.5	X	46.73891	287.28963	53.08735	4.23921	0.1006042	0.21107740	2.7936686	21	12 2.4	20.1
299171 2005 GC_{47}	16.5	X	20.54374	131.91808	2.12440	2.26488	0.0779267	0.23764784	2.5813494	21	1 9.8	19.4
299172 2005 GR_{49}	16.7	X	61.88500	255.54616	200.23372	14.49541	0.1607556	0.23791962	2.5793833	21	1 25.6	19.7
299173 2005 GH_{56}	16.7	X	134.34838	49.76459	196.53335	8.87261	0.0793195	0.21324455	2.7747089	21	11 14.9	20.9
299174 2005 GK_{58}	16.0	X	145.10214	190.14008	31.44995	16.73392	0.0918682	0.20903023	2.8118792	21	10 25.5	20.2
299175 2005 GT_{60}	15.8	X	117.61698	48.55205	227.18216	12.62438	0.1431667	0.21078100	2.7962870	21	12 5.1	20.3
299176 2005 GM_{71}	16.0	X	85.35056	260.39721	18.26147	8.69454	0.1226030	0.20926104	2.8098111	21	11 2.8	20.1
299177 2005 GW_{74}	15.9	X	254.31639	350.34232	187.95772	14.82338	0.0284054	0.22052416	2.7133049	21	—	—
299178 2005 GC_{76}	17.2	X	81.99572	358.56439	193.40912	22.05243	0.0372692	0.37573430	1.9020218	21	6 24.7	19.7
299179 2005 GG_{77}	16.6	X	236.06655	310.04964	214.83672	8.16693	0.1376694	0.21753501	2.7381040	21	11 18.2	20.5
299180 2005 GB_{81}	17.2	X	55.93460	112.15680	14.02667	3.11565	0.1372910	0.23996518	2.5647039	21	3 1.5	19.7
299181 2005 GW_{92}	16.9	X	129.49859	185.56361	108.84020	2.10687	0.0605519	0.21660434	2.7459415	21	—	—
299182 2005 GW_{97}	15.9	X	75.94954	15.34965	50.96587	14.01813	0.1984457	0.23390601	2.6088060	21	1 24.4	18.9
299183 2005 GN_{105}	17.4	X	328.29072	23.28869	113.46044	2.57192	0.0614732	0.22684065	2.6626993	21	—	—
299184 2005 GY_{105}	16.5	X	96.01191	321.05437	47.73023	6.85071	0.0434239	0.22524221	2.6752818	21	—	—
299185 2005 GV_{109}	15.8	X	62.57082	126.00830	210.45111	7.48804	0.2163609	0.21037841	2.7998533	21	12 30.4	20.2
299186 2005 GH_{115}	16.9	X	64.18530	81.21656	25.35727	4.45871	0.1644812	0.23924084	2.5698780	21	2 20.9	19.5
299187 2005 GU_{118}	15.6	X	106.58962	11.08561	24.71899	22.56061	0.0479429	0.23377574	2.6097751	21	1 9.1	19.5
299188 2005 GO_{127}	16.6	X	14.58379	301.30467	214.48197	13.49196	0.1118787	0.23791272	2.5794331	21	1 22.3	19.8
299189 2005 GT_{127}	17.5	X	101.82519	334.47169	202.15581	21.96248	0.0166080	0.37752525	1.8960017	21	6 27.0	20.0
299190 2005 GB_{134}	16.0	X	61.10821	140.90867	189.82333	9.24266	0.2356584	0.20937957	2.8087506	21	12 24.6	20.4
299191 2005 GZ_{136}	16.0	X	281.83272	304.06742	186.96839	12.80129	0.1056270	0.21753568	2.7380984	21	12 11.0	19.6
299192 2005 GV_{141}	16.5	X	16.49124	326.78245	187.40972	6.27963	0.0473693	0.24261027	2.5460285	21	1 29.2	19.6
299193 2005 GA_{146}	16.3	X	115.10379	86.55162	213.38606	8.48766	0.1411710	0.21495800	2.7599442	21	12 30.7	20.9
299194 2005 GG_{146}	16.8	X	153.16627	323.90581	263.83952	1.71043	0.1472148	0.21095737	2.7947282	21	11 10.1	21.4
299195 2005 GP_{148}	16.4	X	331.41098	128.30377	37.97948	12.00212	0.1172837	0.23234637	2.6204676	21	—	—
299196 2005 GP_{163}	17.0	X	282.29886	309.38768	193.91248	2.17318	0.0617734	0.22023547	2.7156755	21	—	—
299197 2005 GJ_{165}	16.5	X	203.65886	356.15035	187.96496	3.54881	0.1354895	0.21443749	2.7644086	21	11 6.9	20.7
299198 2005 GQ_{172}	16.3	X	182.97436	47.77643	37.28390	12.54298	0.3413710	0.25970412	2.4330451	21	6 13.6	21.1
299199 2005 GN_{206}	16.3	X	306.94236	101.99342	33.26197	3.17163	0.0641930	0.22187090	2.7023140	21	—	—
299200 2005 GB_{219}	16.4	X	131.54805	94.66040	191.95381	3.57528	0.0619331	0.21755271	2.7379555	21	12 29.5	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
299201 2005 GN_{222}	16.5	X	105.96969	164.62481	171.98589	5.61159	0.0785308	0.22063197	2.7124209	21	—	—
299202 2005 HR_{1}	16.5	X	143.60030	80.26406	149.79688	13.52745	0.1656329	0.21004774	2.8027910	21	11 8.9	21.3
299203 2005 HY_{2}	16.1	X	18.03596	229.11151	214.79591	16.01242	0.1536331	0.22749525	2.6575890	21	—	—
299204 2005 HV_{6}	16.1	X	98.05817	124.40243	195.75764	12.82169	0.2204381	0.21664027	2.7456379	21	—	—
299205 2005 HN_{9}	16.5	X	264.45325	346.92640	193.98211	3.64208	0.0581599	0.22274967	2.6952021	21	—	—
299206 2005 JO_{11}	17.1	X	19.12782	283.42247	211.71596	2.28470	0.1439313	0.23633761	2.5908812	21	1 3.3	19.8
299207 2005 JO_{23}	17.4	X	68.75193	7.69330	208.39929	21.35632	0.0761210	0.37850840	1.8927171	21	7 16.3	19.8
299208 2005 JG_{36}	16.2	X	185.84880	4.54283	212.96674	13.33677	0.1030747	0.21194478	2.7860414	21	12 1.3	20.6
299209 2005 JN_{36}	16.7	X	95.25160	116.57264	147.95533	15.84615	0.2370241	0.20238679	2.8730815	21	11 12.2	21.7
299210 2005 JO_{37}	16.4	X	70.93444	238.16727	193.60932	21.49151	0.0670453	0.23583431	2.5945660	21	1 1.6	20.1
299211 2005 JH_{43}	16.4	X	168.75022	178.74774	67.84434	4.66890	0.0443743	0.21485321	2.7608416	21	12 21.6	20.5
299212 2005 JN_{48}	16.7	X	121.45594	118.22814	170.72899	5.76129	0.0563896	0.21207856	2.7848697	21	12 20.6	20.9
299213 2005 JN_{50}	16.6	X	60.96492	187.95265	188.20585	4.54586	0.0198968	0.21891386	2.7265944	21	—	—
299214 2005 JO_{50}	16.5	X	76.84797	250.21703	75.94006	5.36771	0.0700157	0.21214417	2.7842955	21	12 17.2	20.4
299215 2005 JQ_{52}	16.6	X	11.97456	168.01181	218.27859	3.65729	0.0771704	0.21259875	2.7803251	21	12 11.2	20.2
299216 2005 JY_{62}	16.8	X	348.76886	165.84699	222.14991	1.15551	0.0677491	0.20706356	2.8296557	21	11 7.4	20.3
299217 2005 JV_{71}	15.7	X	142.57958	348.33534	262.53816	15.17921	0.1593324	0.21309865	2.7759752	21	11 28.4	20.3
299218 2005 JR_{74}	16.7	X	295.24365	3.60341	113.89629	2.03251	0.0196064	0.21453617	2.7635608	21	12 19.6	20.4
299219 2005 JP_{75}	16.3	X	202.25881	204.61858	29.51119	5.28424	0.1235514	0.21880195	2.7275241	21	—	—
299220 2005 JA_{78}	15.8	X	83.54268	174.90221	94.17407	7.36844	0.0218737	0.20427785	2.8553227	21	10 11.7	19.9
299221 2005 JJ_{79}	16.4	X	68.32457	94.43866	266.87849	1.67033	0.0879976	0.21549913	2.7553220	21	—	—
299222 2005 JZ_{86}	17.1	X	192.78098	135.26328	136.14867	1.47337	0.0316557	0.22740922	2.6582593	21	—	—
299223 2005 JD_{93}	16.3	X	265.54414	177.39678	356.34256	11.48784	0.1057345	0.22214754	2.7000702	21	—	—
299224 2005 JG_{93}	16.6	X	308.32262	202.61037	333.28761	3.22498	0.2035757	0.22910916	2.6450938	21	—	—
299225 2005 JL_{97}	16.2	X	357.63073	307.41424	68.37735	13.41036	0.0917191	0.20642616	2.8354776	21	11 9.1	19.7
299226 2005 JE_{110}	16.5	X	31.89695	353.60694	39.72482	6.02986	0.0930103	0.21878021	2.7277047	21	—	—
299227 2005 JQ_{113}	16.9	X	19.23081	285.65004	208.61412	7.24745	0.1356664	0.23433101	2.6056507	21	1 2.9	19.8
299228 2005 JH_{119}	16.4	X	136.54591	128.54312	138.20304	5.14452	0.0190227	0.21138158	2.7909879	21	12 9.7	20.4
299229 2005 JB_{123}	16.1	X	76.42524	210.43221	231.32053	7.43873	0.1995569	0.23417117	2.6068363	21	2 8.8	19.0
299230 2005 JR_{130}	16.3	X	118.62953	208.11448	63.68321	4.94421	0.0632827	0.21079386	2.7961733	21	11 26.8	20.4
299231 2005 JT_{130}	16.6	X	54.71777	259.99583	119.28023	1.95913	0.0963469	0.21798864	2.7343041	21	—	—
299232 2005 JJ_{132}	15.9	X	232.16744	198.54374	2.97110	13.30797	0.1395509	0.21877156	2.7277767	21	12 29.3	20.0
299233 2005 JO_{150}	16.9	X	289.00827	340.13556	168.95222	5.14618	0.0924036	0.21978778	2.7193620	21	—	—
299234 2005 KP	16.5	X	95.58794	81.37794	212.35653	11.89662	0.1044225	0.20721041	2.8283187	21	12 2.0	20.8
299235 2005 LH_{14}	15.7	X	35.67739	121.03473	139.83245	9.27634	0.0182770	0.18560965	3.0437036	21	7 23.9	20.0
299236 2005 LM_{29}	15.9	X	66.28342	86.76055	241.94989	5.08597	0.0393609	0.20890257	2.8130246	21	12 3.4	19.6
299237 2005 LT_{43}	16.6	X	101.36362	237.30481	60.82559	3.79833	0.0801262	0.20976728	2.8052886	21	12 10.9	20.8
299238 2005 LP_{48}	14.7	X	270.87660	79.57544	278.27638	24.66725	0.3284114	0.17469494	3.1691964	21	5 1.2	20.3
299239 2005 MZ_{7}	15.4	X	288.98315	76.79079	277.27624	14.73616	0.2681392	0.17771012	3.1332468	21	5 25.9	20.1
299240 2005 MU_{15}	15.6	X	326.55580	41.59322	254.92629	8.36478	0.1950602	0.18456478	3.0551802	21	5 16.2	19.1
299241 2005 ME_{20}	15.6	X	0.74657	36.59445	268.28027	13.03133	0.0939152	0.18524394	3.0477081	21	7 31.9	19.6
299242 2005 ME_{22}	15.7	X	298.91316	218.11358	125.53861	11.80386	0.1047274	0.17988761	3.1079108	21	6 20.7	20.0
299243 2005 MP_{22}	16.0	X	309.69859	258.20619	121.38633	4.48886	0.1877799	0.18509870	3.0493022	21	8 12.0	19.6
299244 2005 MY_{28}	15.7	X	308.74891	79.94258	256.81003	9.05409	0.0898171	0.18072089	3.0983500	21	6 26.6	19.7
299245 2005 MB_{29}	15.9	X	289.22749	94.99098	262.64384	9.01868	0.1145019	0.17993878	3.1073215	21	6 23.2	20.2
299246 2005 MR_{37}	16.0	X	302.41077	64.66631	297.40398	7.45632	0.0750537	0.18325883	3.0696777	21	7 23.3	20.1
299247 2005 MR_{38}	15.8	X	106.63613	252.37072	303.10042	9.87858	0.0449725	0.18415792	3.0596785	21	8 4.2	20.0
299248 2005 MW_{39}	15.5	X	328.50465	172.18465	125.89707	18.19060	0.1862246	0.17891618	3.1191503	21	5 29.6	19.5
299249 2005 MO_{42}	15.4	X	292.62881	71.83681	266.00425	10.23865	0.1494567	0.17769283	3.1334501	21	5 27.6	19.6
299250 2005 MZ_{46}	15.6	X	68.66682	292.21967	307.09009	7.67496	0.1819270	0.18877763	3.0095556	21	8 31.3	19.9
299251 2005 MN_{50}	15.9	X	322.05834	2.78385	291.64926	8.26895	0.1192486	0.17724541	3.1387210	21	5 16.2	20.0
299252 2005 MV_{53}	14.9	X	303.88326	249.39153	54.09536	25.05557	0.3359176	0.17474307	3.1686146	21	4 13.3	19.7
299253 2005 NO_{5}	16.3	X	290.66931	218.49369	134.48342	2.01248	0.0970552	0.17987428	3.1080644	21	6 21.9	20.6
299254 2005 NU_{7}	15.5	X	229.55283	102.68875	290.84182	11.34236	0.2061146	0.17349828	3.1837522	21	5 22.3	20.9
299255 2005 NN_{8}	16.1	X	262.05840	70.11343	289.33496	8.05295	0.0954402	0.17567555	3.1573920	21	5 24.4	20.8
299256 2005 NS_{11}	15.0	X	267.36133	232.83465	88.90202	17.24150	0.1959842	0.17702706	3.1413014	21	4 12.2	20.2
299257 2005 NG_{24}	15.7	X	237.21439	137.99329	263.74771	8.14917	0.1174259	0.17817650	3.1277769	21	6 17.0	20.3
299258 2005 NK_{36}	16.3	X	346.48913	187.83641	137.77023	12.37621	0.1173056	0.18466234	3.0541041	21	8 9.3	19.9
299259 2005 NZ_{42}	16.4	X	326.64816	96.86583	207.55429	2.94470	0.1764644	0.18053447	3.1004825	21	5 31.3	20.0
299260 2005 NE_{43}	15.7	X	0.74908	62.90580	233.56703	4.02160	0.1078813	0.18427836	3.0583451	21	7 23.8	19.5
299261 2005 NM_{48}	15.7	X	324.48549	250.59079	107.54698	11.91412	0.1932951	0.18596396	3.0398363	21	8 9.9	19.1
299262 2005 NT_{51}	15.8	X	314.23675	142.45106	229.12873	3.93500	0.1912312	0.18624187	3.0368115	21	8 6.3	19.3
299263 2005 NF_{58}	15.5	X	320.83165	80.42534	271.39419	8.47993	0.1143363	0.18531442	3.0469353	21	7 30.6	19.3
299264 2005 NT_{58}	16.4	X	333.24135	216.62545	122.96421	2.93218	0.0925843	0.18587347	3.0408228	21	8 7.7	20.1
299265 2005 NJ_{60}	15.8	X	159.84526	240.74571	315.33852	5.03432	0.0676131	0.19552054	2.9399580	21	10 5.7	20.2
299266 2005 NS_{61}	15.7	X	175.40145	145.11440	313.46926	13.55209	0.0605172	0.17793439	3.1306135	21	6 25.8	20.5
299267 2005 NZ_{63}	16.0	X	285.77263	154.06830	204.61714	4.53062	0.1414947	0.18000707	3.1065357	21	6 16.1	20.2
299268 2005 NS_{75}	16.8	X	298.47657	66.97460	258.03862	0.24823	0.1624850	0.17869197	3.1217589	21	5 17.2	20.8
299269 2005 NR_{78}	16.4	X	313.29674	107.02091	287.40933	1.39398	0.1370186	0.18975420	2.9992208	21	9 13.4	19.8
299270 2005 NW_{82}	15.7	X	330.19978	5.15694	338.28184	12.53616	0.1183787	0.18629524	3.0362314	21	8 8.7	19.4
299271 2005 NU_{85}	15.3	X	121.64857	204.56640	292.15859	9.03356	0.0592490	0.17863102	3.1224689	21	6 10.8	19.9
299272 2005 NE_{99}	16.6	X	38.98345	77.47648	180.25805	4.61516	0.1545836	0.18592700	3.0402391	21	8 9.6	20.3
299273 2005 NQ_{100}	15.5	X	239.01552	307.74720	122.96723	18.77590	0.1885638	0.18204410	3.0833179	21	7 17.9	20.3
299274 2005 NO_{122}	16.5	X	352.19966	178.57585	136.87597	1.25345	0.2234094	0.18507190	3.0495966	21	8 4.4	19.1
299275 2005 NT_{122}	15.4	X	284.92243	268.99388	42.16606	25.26149	0.3100437	0.17305983	3.1891274	21	4 5.7	20.6
299276 2005 NF_{123}	15.7	X	291.30711	67.62566	237.52414	12.73548	0.2730799	0.17310052	3.1886276	21	3 25.7	20.8
299277 2005 NN_{123}	15.5	X	315.32047	63.81823	289.77344	8.49294	0.1165850	0.18358896	3.0659966	21	7 25.3	19.2
299278 2005 OD	15.2	X	294.22812	280.37101	83.18154	17.85382	0.1685511	0.18222610	3.0812646	21	6 29.1	19.3
299279 2005 OY_{2}	14.7	X	284.04470	67.94837	273.28832	24.97232	0.2854440	0.17422919	3.1748419	21	4 28.3	19.9
299280 2005 OJ_{5}	16.0	X	307.76735	214.68653	165.88236	4.18945	0.1445210	0.18431055	3.0579890	21	8 15.1	19.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
299281 2005 ON_{16}	16.1	X	17.03341	129.18622	161.83282	3.65517	0.1947468	0.18510750	3.0492056	21	8 22.3	19.4
299282 2005 OX_{16}	15.4	X	261.13175	145.37187	247.66282	8.16100	0.0695597	0.17962337	3.1109581	21	7 8.3	19.9
299283 2005 OD_{18}	15.4	X	319.09547	156.31624	176.94167	8.26136	0.0927399	0.17890509	3.1192792	21	7 6.5	19.5
299284 2005 OK_{27}	14.8	X	269.81947	263.80431	124.50400	18.67274	0.1703658	0.17639620	3.1487866	21	6 30.8	19.5
299285 2005 OL_{31}	15.5	X	286.09917	285.94154	76.62567	16.82829	0.2541317	0.17759990	3.1345430	21	6 5.2	19.8
299286 2005 PO_{7}	16.1	X	314.74830	216.71740	104.18844	2.69240	0.1648722	0.17836485	3.1255746	21	6 4.6	20.1
299287 2005 PB_{10}	15.7	X	8.86234	123.12294	145.54106	8.41183	0.2180618	0.18148804	3.0896127	21	7 4.4	18.9
299288 2005 PJ_{11}	16.5	X	34.10489	147.17229	141.67703	1.34450	0.1334068	0.18670686	3.0317673	21	9 11.2	20.3
299289 2005 PV_{11}	15.5	X	338.75416	137.40853	141.27677	10.33376	0.0366470	0.17431717	3.1737736	21	6 1.9	20.0
299290 2005 PQ_{14}	15.8	X	11.76546	302.24348	350.73232	6.98369	0.1459718	0.18328317	3.0694059	21	8 12.5	19.4
299291 2005 PK_{17}	15.8	X	219.73067	92.05570	319.26452	25.04080	0.1371143	0.17510401	3.1642587	21	6 10.4	21.2
299292 2005 PZ_{18}	15.3	X	288.91560	187.65626	131.91696	10.11519	0.0744941	0.17361235	3.1823576	21	5 14.7	19.9
299293 2005 QJ	15.4	X	305.60751	168.89982	166.61743	9.72088	0.0951004	0.17807915	3.1289166	21	6 20.5	19.7
299294 2005 QR_{1}	16.3	X	278.38508	207.22612	159.19850	11.55131	0.2367034	0.17670430	3.1451255	21	6 5.2	21.1
299295 2005 QT_{1}	15.9	X	332.99257	152.60223	174.40694	5.64709	0.1009921	0.18174526	3.0866969	21	7 19.1	19.8
299296 2005 QF_{6}	15.4	X	340.82480	338.85444	334.70984	18.09691	0.0759577	0.17894570	3.1188072	21	7 21.3	19.6
299297 2005 QV_{13}	15.7	X	259.05946	203.95145	161.19853	5.75401	0.1803048	0.17198884	3.2023530	21	5 20.8	20.7
299298 2005 QN_{29}	15.5	X	269.74268	117.95313	252.67572	7.95547	0.0994121	0.17582429	3.1556110	21	6 17.2	19.9
299299 2005 QL_{31}	15.3	X	279.29404	93.55190	269.25284	13.79955	0.2690386	0.17658689	3.1465193	21	5 26.1	20.0
299300 2005 QN_{34}	15.9	X	313.13677	321.59060	336.31926	5.73776	0.0161152	0.17129599	3.2109824	21	5 21.9	20.5
299301 2005 QX_{37}	14.4	X	336.60101	294.21943	353.35685	25.27284	0.2303389	0.17515353	3.1636623	21	5 5.7	18.6
299302 2005 QD_{41}	15.6	X	268.57733	27.51230	334.42319	19.14461	0.1725235	0.17271660	3.1933510	21	5 20.9	20.8
299303 2005 QO_{47}	15.8	X	340.66574	345.16728	7.86531	7.35287	0.1082535	0.18362348	3.0656124	21	9 7.9	19.4
299304 2005 QX_{48}	15.4	X	263.29457	336.03075	14.38945	9.47503	0.1140095	0.17038912	3.2223656	21	5 11.1	20.2
299305 2005 QL_{49}	16.0	X	285.35088	194.08764	143.26078	8.81989	0.1870761	0.17264219	3.1942685	21	5 15.8	20.7
299306 2005 QQ_{49}	15.1	X	300.23492	198.95516	157.19024	23.29943	0.1431853	0.17691909	3.1425793	21	7 3.2	19.7
299307 2005 QL_{50}	16.0	X	269.41858	8.00212	11.76236	9.12289	0.1030173	0.17435868	3.1732698	21	6 28.6	20.7
299308 2005 QM_{50}	15.6	X	266.21195	18.89596	4.35647	17.66520	0.0736810	0.17452420	3.1712631	21	7 5.4	20.5
299309 2005 QZ_{52}	15.6	X	299.10887	8.19575	323.24558	4.56431	0.1145471	0.17558724	3.1584506	21	6 2.2	19.9
299310 2005 QF_{63}	15.8	X	263.73517	270.27312	81.92103	1.49552	0.1390874	0.17130056	3.2109252	21	5 13.4	20.6
299311 2005 QF_{72}	16.3	X	283.94205	221.09664	145.90363	1.91104	0.1948088	0.17637551	3.1490329	21	6 16.6	20.6
299312 2005 QN_{84}	15.7	X	232.77827	11.98250	347.13573	7.08882	0.0252243	0.16836117	3.2481901	21	4 26.5	20.4
299313 2005 QZ_{84}	15.8	X	327.92957	134.14937	179.58701	9.67451	0.0775735	0.17619339	3.1512025	21	6 26.2	20.0
299314 2005 QH_{90}	15.3	X	225.59886	63.15982	315.51328	14.65714	0.1096027	0.17131745	3.2107142	21	5 2.7	20.6
299315 2005 QU_{94}	15.6	X	280.11709	205.18604	145.34567	7.02882	0.2116678	0.17495725	3.1660280	21	5 21.8	20.3
299316 2005 QY_{94}	15.9	X	274.11028	333.96930	347.95097	4.24663	0.2045215	0.17129065	3.2110491	21	4 8.5	20.8
299317 2005 QM_{96}	15.9	X	302.45349	326.51982	357.41965	7.04419	0.1628491	0.17550664	3.1594175	21	5 19.4	20.2
299318 2005 QX_{99}	16.1	X	221.72329	72.83736	324.07117	9.40719	0.1190799	0.17028779	3.2236438	21	5 24.2	21.3
299319 2005 QP_{103}	15.8	X	256.51152	230.48274	188.66170	9.56734	0.0758634	0.17907108	3.1173513	21	8 2.9	20.5
299320 2005 QB_{104}	16.0	X	233.50496	90.22833	326.71817	8.33858	0.0841138	0.17525504	3.1624405	21	7 6.5	20.7
299321 2005 QU_{108}	16.1	X	289.87339	71.04087	293.34947	3.52466	0.0350916	0.17654899	3.1469696	21	7 14.7	20.5
299322 2005 QB_{112}	15.3	X	268.46952	198.94062	171.33134	17.60829	0.2182714	0.17316213	3.1878713	21	6 2.2	20.5
299323 2005 QX_{118}	16.4	X	288.27008	228.44571	147.81925	3.26002	0.0150007	0.18011882	3.1052506	21	7 30.5	20.7
299324 2005 QM_{136}	15.9	X	114.15915	182.24854	5.17373	14.57195	0.0155305	0.17697920	3.1418677	21	8 5.8	20.6
299325 2005 QR_{141}	15.7	X	337.67590	126.48973	127.94735	5.80430	0.0659811	0.16855809	3.2456596	21	4 28.6	20.0
299326 2005 QV_{153}	15.3	X	243.88518	16.75894	39.48382	11.17698	0.0661220	0.17613384	3.1519127	21	7 21.1	20.0
299327 2005 QG_{160}	15.0	X	288.22635	318.43279	4.89265	27.32252	0.2214731	0.17242333	3.1969710	21	4 14.9	20.0
299328 2005 QL_{166}	15.8	X	5.92487	74.57007	244.68309	8.33094	0.0734201	0.18616576	3.0376392	21	8 27.9	19.8
299329 2005 QE_{172}	15.2	X	305.93241	103.28226	193.43506	11.93446	0.1720315	0.16978625	3.2299890	21	4 21.8	19.5
299330 2005 QE_{174}	15.6	X	291.41128	96.18082	244.95643	3.40636	0.1692263	0.17474842	3.1685499	21	5 27.8	19.8
299331 2005 QN_{174}	15.4	X	299.73525	144.32349	180.57079	27.64020	0.2046110	0.17480015	3.1679247	21	5 15.5	20.2
299332 2005 QK_{183}	15.6	X	281.07462	76.57039	247.48379	6.29507	0.0924847	0.16902053	3.2397369	21	5 3.9	20.3
299333 2005 QF_{187}	16.0	X	261.80497	189.64180	198.87146	8.30412	0.0951338	0.17657557	3.1466538	21	6 30.2	20.7
299334 2005 QY_{187}	15.8	X	317.84031	54.70688	232.19398	5.13436	0.1781228	0.17256990	3.1951606	21	4 23.1	19.9
299335 2005 RL_{1}	15.6	X	312.18258	223.85655	119.25730	10.46548	0.1052430	0.18125999	3.0922036	21	7 8.4	19.5
299336 2005 RG_{7}	15.3	X	277.77430	101.29860	240.69270	5.11536	0.1594854	0.17204089	3.2017070	21	5 13.5	20.0
299337 2005 RZ_{19}	15.7	X	253.56606	255.22263	166.96977	13.55438	0.2900295	0.17467983	3.1693793	21	7 10.1	21.0
299338 2005 RN_{42}	15.8	X	289.34226	207.14273	125.76421	4.79123	0.2117171	0.17277374	3.1926469	21	5 10.5	20.3
299339 2005 RZ_{43}	15.1	X	291.89039	124.54324	228.25764	15.28537	0.1341982	0.17512812	3.1639683	21	6 16.9	19.5
299340 2005 SP_{16}	15.9	X	195.30364	270.90400	197.13252	8.82216	0.0391430	0.17459955	3.1703506	21	7 27.0	20.7
299341 2005 SK_{18}	16.0	X	102.60100	179.18566	8.50808	9.18336	0.0221284	0.17342093	3.1846989	21	7 20.1	20.6
299342 2005 SS_{101}	17.6	X	217.58456	221.33435	308.99367	3.63087	0.0779609	0.31388274	2.1443274	21	11 26.2	20.1
299343 2005 SH_{124}	15.8	X	259.65213	341.01319	14.72285	10.59961	0.0740788	0.16865721	3.2443879	21	5 18.3	20.6
299344 2005 SX_{141}	16.1	X	190.60285	5.51839	99.58641	2.72994	0.1553403	0.17001375	3.2271068	21	7 17.3	21.2
299345 2005 SE_{153}	15.6	X	215.89542	324.01106	34.09886	10.38153	0.0799006	0.15827735	3.3847261	21	4 8.4	20.7
299346 2005 SG_{177}	17.9	X	86.95383	310.76101	336.16093	4.08609	0.2384975	0.31755983	2.1277422	21	12 11.2	21.3
299347 2005 SO_{177}	15.9	X	295.36905	33.26704	217.45253	9.95679	0.0318143	0.15548810	3.4250844	21	2 28.5	20.9
299348 2005 SU_{179}	15.3	X	219.00304	103.08924	2.29845	15.59847	0.2054562	0.17459240	3.1704373	21	8 15.1	20.7
299349 2005 SG_{196}	16.1	X	147.06094	356.66891	120.00115	0.91980	0.1437601	0.16616053	3.2768065	21	6 21.1	21.3
299350 2005 SK_{196}	16.0	X	349.49525	246.91468	16.34875	8.28730	0.1596163	0.17094163	3.2154184	21	5 16.3	19.7
299351 2005 ST_{209}	15.5	X	255.90979	69.23174	254.98591	6.80551	0.2701618	0.16629886	3.2749891	21	3 18.3	21.0
299352 2005 SQ_{225}	16.2	X	180.32671	199.83130	214.10820	14.48905	0.1220016	0.15950312	3.3673630	21	5 8.1	21.5
299353 2005 SR_{235}	14.9	X	139.82044	201.59577	216.27668	15.81058	0.0810336	0.15373820	3.4510257	21	3 28.3	20.1
299354 2005 SM_{242}	15.8	X	241.70779	177.40494	213.14291	15.13991	0.0649164	0.16896270	3.2404761	21	6 13.3	20.8
299355 2005 SX_{249}	15.3	X	289.93283	186.29033	156.43357	10.63557	0.0667406	0.17345053	3.1843366	21	6 13.3	19.9
299356 2005 SG_{251}	15.7	X	287.16467	295.38123	11.15435	6.92747	0.2116908	0.17089641	3.2159856	21	4 3.9	20.5
299357 2005 SB_{252}	15.6	X	206.41953	69.87480	359.46560	16.44586	0.1096376	0.17124641	3.2116020	21	6 19.8	20.9
299358 2005 SP_{255}	15.5	X	320.61635	123.48570	170.10702	11.72702	0.1103272	0.17179199	3.2047989	21	5 18.9	19.8
299359 2005 SG_{259}	15.2	X	275.03622	318.47407	37.30007	17.11597	0.1808156	0.17215701	3.2002672	21	5 21.7	20.0
299360 2005 SR_{267}	15.5	X	250.84051	93.65418	313.89039	13.89015	0.2071688	0.17415456	3.1757489	21	6 30.8	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
299361 2005 TT_{21}	15.5	X	14.57733	269.41188	24.51649	10.86407	0.0653570	0.17703816	3.1411701	21	8 15.7	19.7
299362 Marthacole	17.9	X	67.70428	279.56224	65.26631	3.81000	0.1752697	0.32018067	2.1161152	21	—	—
299363 2005 TV_{47}	15.7	X	182.14408	257.79170	199.31195	21.25961	0.0366296	0.16938572	3.2350787	21	6 27.9	20.8
299364 2005 TD_{83}	15.3	X	254.18006	170.45482	230.18585	11.27305	0.1122180	0.17097843	3.2149570	21	7 3.4	20.2
299365 2005 TE_{99}	15.7	X	252.25609	186.26818	213.72945	11.70295	0.1864532	0.17334077	3.1856807	21	6 22.7	20.8
299366 2005 TZ_{190}	15.4	X	65.28789	219.81786	26.97336	13.26712	0.0248534	0.17621814	3.1509074	21	8 21.4	20.0
299367 2005 UA_{41}	18.0	X	59.13687	78.94219	219.56777	4.71777	0.0209470	0.30477325	2.1868458	21	10 28.7	20.4
299368 2005 UL_{84}	15.7	X	142.97534	16.47807	46.60465	6.69776	0.0800458	0.15432223	3.4423133	21	4 10.9	20.8
299369 2005 UJ_{168}	18.3	X	88.66431	55.01017	275.52536	0.42935	0.0954221	0.31998198	2.1169911	21	—	—
299370 2005 UT_{193}	15.7	X	236.65540	139.66429	164.89547	2.10508	0.0278755	0.15272437	3.4662815	21	2 28.6	20.7
299371 2005 UD_{217}	15.0	X	283.16214	324.77501	31.56649	15.08858	0.0695735	0.17194380	3.2029122	21	6 19.0	19.7
299372 2005 UA_{225}	15.5	X	158.56703	112.43466	238.29152	8.63950	0.1203977	0.14703494	3.5551316	21	2 1.7	21.1
299373 2005 UV_{241}	17.7	X	108.55897	344.62931	284.63394	3.79053	0.1229401	0.30926781	2.1656066	21	12 1.3	20.8
299374 2005 UB_{261}	17.4	X	125.77160	321.76572	213.90878	4.70117	0.0358027	0.29316379	2.2442049	21	8 4.3	20.1
299375 2005 UL_{268}	18.0	X	68.47088	208.05107	131.23405	1.43648	0.1714242	0.31850375	2.1235363	21	—	—
299376 2005 UG_{371}	17.5	X	122.33962	346.86181	239.31039	3.93364	0.1040579	0.30283145	2.1961840	21	10 17.5	20.5
299377 2005 UT_{388}	18.2	X	121.09390	314.51482	7.48832	4.14927	0.1157747	0.32683763	2.0872831	21	—	—
299378 2005 UL_{425}	14.9	X	228.02617	301.04745	36.27212	11.89115	0.0596961	0.15443672	3.4406118	21	3 30.8	20.0
299379 2005 UR_{500}	14.9	X	100.93072	34.80162	73.38461	11.30046	0.0511883	0.15423518	3.4436084	21	4 16.8	19.9
299380 2005 UT_{508}	18.1	X	87.96340	48.62589	271.23003	2.99113	0.0945873	0.31600848	2.1347002	21	—	—
299381 2005 UP_{515}	15.2	X	53.11359	308.10259	181.00353	18.59231	0.2496833	0.14595652	3.5726218	21	4 2.5	19.3
299382 2005 VF_{3}	17.5	X	67.38111	139.58502	158.87635	3.63740	0.1814654	0.31093638	2.1578522	21	12 2.6	20.4
299383 2005 VC_{73}	17.6	X	289.96629	201.47930	205.13906	4.84929	0.1109828	0.30072440	2.2064306	21	9 6.3	19.7
299384 2005 VM_{135}	17.3	X	42.71140	38.09227	276.13689	3.81879	0.1560268	0.30590464	2.1814504	21	11 18.4	19.8
299385 2005 WA_{14}	18.3	X	242.88183	44.62615	72.24675	1.96736	0.0541366	0.30356007	2.1926684	21	10 20.1	20.8
299386 2005 WP_{20}	18.2	X	351.68701	93.79831	327.11992	2.08602	0.1122476	0.31375639	2.1449030	21	—	—
299387 2005 WH_{28}	17.6	X	109.02783	340.44487	260.91493	6.38695	0.0936968	0.30194847	2.2004634	21	10 20.7	20.7
299388 2005 WO_{87}	17.1	X	103.54408	272.67086	272.41317	5.75724	0.1205170	0.28485512	2.2876348	21	7 30.2	20.1
299389 2005 WM_{88}	16.8	X	226.03482	201.18355	265.94325	5.68105	0.1061980	0.29335664	2.2432212	21	8 30.9	19.9
299390 2005 WU_{88}	15.9	X	28.46107	357.82151	56.86759	11.23418	0.1020351	0.19304604	2.9650279	21	—	—
299391 2005 WE_{130}	17.7	X	69.62417	74.21547	238.49039	2.47431	0.1703676	0.31237649	2.1512150	21	12 21.9	20.8
299392 2005 WY_{140}	17.7	X	247.59181	173.86815	276.95620	6.29378	0.1166882	0.29504672	2.2346466	21	9 3.2	20.5
299393 2005 WY_{142}	17.3	X	278.24857	325.66852	110.94688	6.73533	0.0941961	0.30280607	2.1963068	21	10 11.8	19.6
299394 2005 WT_{152}	17.6	X	98.79035	8.21956	304.54464	1.44171	0.1340799	0.31524453	2.1381476	21	—	—
299395 2005 WN_{163}	17.7	X	250.69084	154.78442	288.31944	2.56069	0.0825104	0.29824912	2.2186218	21	9 4.5	20.2
299396 2005 XD_{33}	17.7	X	216.37614	52.25762	102.24394	1.66024	0.0417677	0.30416964	2.1897379	21	11 7.4	20.2
299397 2005 XP_{42}	17.2	X	39.66089	173.92686	78.30001	5.51994	0.1332874	0.29091275	2.2557669	21	8 9.0	19.3
299398 2005 XV_{68}	17.8	X	128.84813	289.03218	284.99575	2.77939	0.0950584	0.29900505	2.2148808	21	10 6.9	20.8
299399 2005 XN_{90}	18.3	X	293.32975	111.36381	321.29584	2.57381	0.1076199	0.30195628	2.2004255	21	10 24.8	20.2
299400 2005 XR_{110}	17.5	X	180.15462	70.50147	345.13763	3.99127	0.0243665	0.26826182	2.3810224	21	4 27.4	20.5
299401 2005 YH_{3}	18.2	X	247.63357	120.59232	354.42911	0.38683	0.0777780	0.29876482	2.2160680	21	10 18.7	20.7
299402 2005 YJ_{3}	17.6	X	343.07320	300.41163	101.72853	3.57756	0.1332634	0.30535123	2.1840853	21	12 17.7	19.3
299403 2005 YL_{15}	17.0	X	41.69702	70.88436	114.95348	6.85866	0.1448503	0.27137094	2.3628011	21	4 30.5	19.2
299404 2005 YV_{15}	17.0	X	21.32410	94.27375	117.90905	5.78853	0.1686959	0.27170422	2.3608685	21	4 29.0	18.9
299405 2005 YK_{23}	17.5	X	352.86894	349.79747	280.37102	5.88927	0.0912796	0.28124128	2.3071899	21	5 30.9	19.7
299406 2005 YN_{34}	18.1	X	161.35867	279.56150	220.47576	1.59067	0.1508316	0.28614587	2.2807502	21	8 4.7	21.4
299407 2005 YA_{36}	16.6	X	340.76993	162.42048	113.79196	9.31627	0.1646935	0.27943421	2.3171261	21	5 12.9	18.8
299408 2005 YC_{47}	17.6	X	315.15203	80.39098	307.13925	6.66481	0.0833606	0.29606624	2.2295136	21	9 23.1	19.8
299409 2005 YO_{52}	17.9	X	238.88284	231.83068	222.56825	2.21922	0.0430563	0.29319162	2.2440629	21	9 10.3	20.6
299410 2005 YZ_{53}	17.5	X	264.90152	177.33780	280.95545	3.90130	0.0808434	0.29985301	2.2107032	21	10 18.0	19.9
299411 2005 YN_{58}	15.6	X	52.28564	175.26240	230.60331	2.47361	0.1234434	0.12629649	3.9343699	21	—	—
299412 2005 YO_{59}	17.4	X	52.73249	290.96766	284.60866	7.15876	0.1281483	0.27831268	2.3233469	21	7 2.3	19.7
299413 2005 YD_{84}	17.3	X	7.31771	234.98295	125.97932	6.82908	0.2246437	0.30420053	2.1895897	21	12 15.1	19.3
299414 2005 YG_{84}	17.3	X	164.53940	263.03073	278.03051	5.73482	0.1213331	0.29241009	2.2480596	21	9 29.6	20.7
299415 2005 YC_{88}	17.5	X	17.74702	209.88547	112.35569	7.67231	0.1103755	0.29535916	2.2330704	21	10 17.9	19.8
299416 2005 YW_{90}	17.7	X	25.58773	338.37637	225.87652	1.45192	0.1486729	0.27121352	2.3637153	21	4 21.7	19.6
299417 2005 YG_{91}	17.6	X	307.26805	110.78544	260.27787	3.20452	0.2265256	0.29459420	2.2369345	21	7 23.2	19.5
299418 2005 YE_{93}	17.6	X	73.69620	331.00449	211.15315	3.19640	0.1677067	0.27628601	2.3346948	21	6 23.1	20.3
299419 2005 YS_{102}	18.1	X	42.58495	228.77927	144.32737	1.49202	0.1807684	0.31354438	2.1458698	21	—	—
299420 2005 YW_{105}	17.4	X	26.90525	124.89287	115.09362	2.85046	0.1083052	0.28142316	2.3061957	21	6 19.3	19.4
299421 2005 YM_{109}	15.5	X	19.69116	228.36486	211.66028	1.58101	0.0869938	0.12521879	3.9569119	21	—	—
299422 2005 YL_{161}	17.7	X	255.80854	301.87029	134.95286	6.22876	0.0542002	0.29428984	2.2384765	21	9 10.2	20.3
299423 2005 YE_{170}	17.2	X	319.10312	153.00035	251.10765	4.83781	0.1053786	0.30121375	2.2040403	21	10 29.6	19.1
299424 2005 YQ_{176}	17.4	X	325.53998	292.28603	292.77137	1.32022	0.1273469	0.26576964	2.3958841	21	2 4.9	20.4
299425 2005 YT_{177}	15.6	X	2.29845	258.19743	192.32218	0.05895	0.1510716	0.12416093	3.9793556	21	—	—
299426 2005 YX_{250}	17.5	X	351.22268	68.94902	277.11355	5.92324	0.1539206	0.29670861	2.2262945	21	9 30.2	19.4
299427 2005 YN_{271}	17.8	X	129.23266	261.05098	259.76444	4.40875	0.1299296	0.28301246	2.2975538	21	7 28.1	21.0
299428 2005 YO_{290}	17.6	X	189.39048	7.99957	130.42087	3.98103	0.0991584	0.28846980	2.2684845	21	9 4.2	20.6
299429 2006 AO_{6}	17.3	X	206.93572	183.22221	336.90070	5.63056	0.0710519	0.29850496	2.2173539	21	10 25.5	20.1
299430 2006 AL_{14}	17.3	X	13.28465	313.22368	270.63850	1.68388	0.1561136	0.27125242	2.3634892	21	4 25.6	19.3
299431 2006 AQ_{20}	17.9	X	246.33769	116.89472	353.99255	5.67063	0.1729080	0.29757586	2.2219669	21	9 24.9	20.4
299432 2006 AC_{37}	17.1	X	293.56200	189.14779	112.80474	9.62674	0.2007630	0.27411933	2.3469812	21	3 31.8	20.4
299433 2006 AS_{39}	18.5	X	203.01340	180.82050	296.99022	2.64036	0.0996284	0.29089181	2.2558751	21	8 20.9	21.6
299434 2006 AT_{46}	15.0	X	20.30801	206.50567	214.70542	2.07739	0.2215140	0.12484454	3.9648157	21	—	—
299435 2006 AL_{53}	17.3	X	66.95936	295.98371	274.55322	4.03095	0.1037676	0.28049628	2.3112734	21	7 13.8	19.9
299436 2006 AF_{54}	17.5	X	103.36876	348.49504	186.74460	2.68216	0.1604712	0.28026282	2.3125567	21	7 21.9	20.7
299437 2006 AY_{57}	17.7	X	190.52299	253.65006	257.18648	2.32452	0.1462766	0.29169525	2.2517308	21	9 17.3	21.0
299438 2006 AN_{59}	18.5	X	330.68288	18.08544	11.59189	1.20727	0.1719407	0.30013869	2.2093002	21	11 1.3	19.9
299439 2006 AW_{62}	18.6	X	341.15382	26.88326	10.82564	2.04841	0.1802092	0.30502275	2.1856531	21	12 12.5	19.9
299440 2006 AJ_{78}	16.6	X	23.75735	33.15525	162.46253	12.60224	0.1208612	0.26418612	2.4054485	21	4 8.7	19.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
299441 2006 AQ_{78}	18.1	X	55.63843	224.28085	320.48087	2.56023	0.1133847	0.27424547	2.3462615	21	5 17.0	20.4
299442 2006 BZ_{6}	17.8	X	49.91429	253.14732	301.42340	1.28121	0.1552205	0.27275137	2.3548220	21	5 28.8	19.8
299443 2006 BK_{10}	15.5	X	47.24729	84.68885	336.28495	2.02327	0.1742893	0.12644559	3.9312765	21	—	—
299444 2006 BB_{11}	14.9	X	28.87258	60.26610	12.43015	2.80330	0.1939183	0.12456614	3.9707211	21	—	—
299445 2006 BA_{18}	17.2	X	290.27948	321.24598	107.24386	7.55131	0.1688954	0.29796832	2.2200154	21	10 8.9	19.2
299446 2006 BG_{37}	17.2	X	322.36443	172.93090	119.91506	4.51857	0.1951317	0.27640449	2.3340276	21	4 26.9	19.6
299447 2006 BY_{41}	13.3	X	274.50763	198.83908	163.20005	24.45732	0.0426802	0.08417017	5.1566056	21	6 23.5	20.5
299448 2006 BE_{45}	16.9	X	324.30770	342.53150	327.71036	7.23906	0.1238017	0.27669154	2.3324130	21	6 5.5	19.3
299449 2006 BN_{45}	17.6	X	76.63074	18.37016	150.58856	7.48750	0.1013235	0.27210713	2.3585374	21	5 29.5	20.4
299450 2006 BT_{46}	16.9	X	353.28762	256.53953	309.03276	3.04741	0.0853496	0.26359555	2.4090399	21	2 25.9	19.4
299451 2006 BC_{47}	17.0	X	172.98931	146.06018	319.35180	5.21087	0.1112234	0.28137801	2.3064424	21	7 1.2	20.3
299452 2006 BZ_{51}	17.9	X	179.75807	126.67899	326.68555	2.80202	0.0700884	0.28103274	2.3083311	21	6 21.3	21.0
299453 2006 BS_{55}	17.6	X	308.27559	92.31834	314.46521	6.54796	0.1239609	0.29663989	2.2266384	21	10 7.0	19.6
299454 2006 BG_{56}	17.5	X	335.72389	202.89728	354.61455	1.26403	0.1386873	0.25998229	2.4313093	21	1 13.1	20.4
299455 2006 BA_{60}	17.8	X	247.90968	139.63528	348.50389	3.31582	0.1123667	0.29662977	2.2266890	21	10 30.7	20.4
299456 2006 BT_{62}	16.8	X	98.82274	39.02722	128.96293	7.23692	0.0332396	0.27769891	2.3267690	21	6 17.3	19.6
299457 2006 BE_{70}	17.6	X	149.27793	105.65495	43.41585	3.41015	0.1647152	0.28349314	2.2949559	21	8 7.1	21.0
299458 2006 BK_{71}	16.8	X	344.50089	238.65251	60.09460	5.53391	0.1947552	0.27984776	2.3148428	21	6 21.2	18.4
299459 2006 BX_{80}	17.2	X	305.76565	157.94331	81.15721	3.45789	0.1371090	0.25844628	2.4409330	21	1 29.9	20.4
299460 2006 BQ_{81}	17.0	X	309.87799	210.46940	59.31455	3.46364	0.1437970	0.26437399	2.4043087	21	3 15.8	20.0
299461 2006 BZ_{87}	17.7	X	346.72570	201.59216	33.62824	1.64034	0.1420419	0.26758630	2.3850279	21	3 22.9	20.0
299462 2006 BC_{94}	17.8	X	55.87502	274.41320	267.23214	1.28969	0.1154799	0.27019886	2.3696291	21	5 13.9	20.2
299463 2006 BD_{94}	16.9	X	109.74289	231.88086	313.56228	4.97796	0.0949875	0.28034858	2.3120851	21	8 5.6	19.7
299464 2006 BS_{102}	17.6	X	344.52319	318.16285	277.39702	1.44149	0.1435591	0.26678332	2.3898112	21	3 17.9	19.9
299465 2006 BL_{103}	14.0	X	267.95203	206.59046	156.95938	17.52491	0.0381286	0.08419267	5.1556866	21	6 18.3	21.1
299466 2006 BG_{106}	17.7	X	283.49194	309.41890	105.20819	3.02195	0.1433335	0.29507206	2.2345187	21	9 4.7	19.8
299467 2006 BD_{115}	17.1	X	331.92897	47.44241	211.95901	2.05192	0.1694589	0.26772421	2.3842088	21	3 27.2	19.4
299468 2006 BH_{115}	17.3	X	45.46501	75.54812	157.68878	7.11194	0.0703754	0.27797833	2.3252095	21	7 7.3	19.9
299469 2006 BO_{115}	17.5	X	359.76067	65.56547	180.56300	3.23927	0.1434182	0.27065882	2.3669437	21	5 4.8	19.6
299470 2006 BM_{119}	17.4	X	0.51674	323.86808	237.16437	1.75482	0.1360522	0.26338593	2.4103179	21	2 25.4	19.6
299471 2006 BZ_{119}	17.1	X	299.65286	94.83688	302.01974	5.78838	0.0979139	0.29113513	2.2546180	21	9 8.2	19.4
299472 2006 BF_{132}	16.8	X	192.58593	320.58615	159.26194	6.34658	0.0448732	0.28392675	2.2926188	21	8 14.2	19.6
299473 2006 BO_{132}	14.0	X	10.62752	328.68342	291.02585	1.02137	0.0612055	0.08119764	5.2817004	21	6 22.0	20.7
299474 2006 BY_{136}	16.9	X	328.57921	242.67980	326.60835	8.53386	0.1488628	0.25996731	2.4314027	21	1 18.6	19.9
299475 2006 BQ_{140}	17.2	X	234.50458	283.95975	153.79926	8.34381	0.0802316	0.28495079	2.2871227	21	8 5.1	20.0
299476 2006 BP_{143}	17.1	X	298.98606	128.83924	157.55977	2.50872	0.2128070	0.26599377	2.3945380	21	3 12.2	20.3
299477 2006 BU_{147}	17.6	X	119.29929	282.25844	245.02734	5.10346	0.1014875	0.28036453	2.3119974	21	7 22.2	20.8
299478 2006 BC_{148}	17.9	X	195.88298	188.85362	306.92122	4.27449	0.0980486	0.28922977	2.2645090	21	9 5.6	20.9
299479 2006 BX_{160}	14.0	X	13.30916	73.64999	184.43691	6.13626	0.1036977	0.08247701	5.2269392	21	6 24.9	20.5
299480 2006 BB_{165}	17.4	X	179.21326	1.74784	154.46813	2.95405	0.0970680	0.28824874	2.2696442	21	9 16.5	20.4
299481 2006 BZ_{170}	17.2	X	317.03292	226.41543	139.38263	6.28634	0.1301554	0.29185860	2.2508906	21	8 21.9	19.1
299482 2006 BX_{171}	17.4	X	284.11997	45.16743	244.98439	1.59130	0.1843855	0.26914401	2.3758166	21	3 2.6	20.8
299483 2006 BP_{182}	17.9	X	346.06888	124.45327	95.66039	2.00971	0.1510060	0.26359977	2.4090142	21	2 27.5	20.2
299484 2006 BX_{182}	14.5	X	44.95554	267.78031	143.41276	11.80504	0.2815260	0.12389909	3.9849600	21	—	—
299485 2006 BM_{184}	17.4	X	127.15627	130.58914	74.21059	2.40323	0.0897661	0.28931502	2.2640641	21	9 24.2	20.3
299486 2006 BP_{185}	18.0	X	332.71069	28.10319	240.23004	1.63211	0.0561695	0.27211349	2.3585007	21	4 27.8	20.5
299487 2006 BU_{188}	16.7	X	3.31196	173.48880	78.50523	5.22193	0.1263239	0.27110287	2.3643584	21	5 22.6	18.8
299488 2006 BD_{192}	17.1	X	36.57520	21.45019	171.58825	5.01048	0.1607157	0.26922583	2.3753352	21	5 1.1	19.0
299489 2006 BD_{194}	17.3	X	27.54378	80.15939	165.08078	5.47286	0.0851893	0.27747694	2.3280097	21	6 26.6	19.7
299490 2006 BR_{195}	17.6	X	343.32519	90.40953	179.01714	3.79279	0.1403012	0.27246967	2.3564448	21	5 8.5	19.7
299491 2006 BY_{198}	12.9	X	1.35048	290.00504	344.49052	28.99372	0.0554727	0.08264865	5.2196999	21	7 2.9	19.9
299492 2006 BQ_{201}	17.3	X	357.54723	117.47142	98.18996	2.68372	0.1288041	0.26622340	2.3931609	21	3 16.6	19.7
299493 2006 BA_{202}	17.3	X	323.57930	248.99812	18.56969	2.23128	0.2026035	0.26824063	2.3811477	21	3 20.8	19.9
299494 2006 BJ_{212}	17.5	X	207.84357	316.69219	139.22312	4.91529	0.0673593	0.28333095	2.2958317	21	7 29.6	20.5
299495 2006 BC_{224}	16.7	X	59.59506	3.33472	154.86739	6.44372	0.0525447	0.26875686	2.3780976	21	4 10.0	19.4
299496 2006 BY_{226}	17.9	X	166.26497	322.30923	159.16845	4.76672	0.0937017	0.28081083	2.3095471	21	7 14.3	21.3
299497 2006 BF_{227}	18.1	X	117.83469	171.96040	325.18706	0.82505	0.1176953	0.27437381	2.3455297	21	6 11.2	21.2
299498 2006 BH_{227}	18.5	X	205.24148	335.43611	134.56349	1.04849	0.1468720	0.28617492	2.2805959	21	8 9.7	21.8
299499 2006 BV_{227}	17.6	X	25.07931	224.65676	2.98389	1.01052	0.1360111	0.27045584	2.3681278	21	5 28.7	19.5
299500 2006 BX_{232}	17.7	X	288.63028	335.46629	87.22796	4.50422	0.1415378	0.29656948	2.2269907	21	9 28.8	19.7
299501 2006 BA_{237}	17.2	X	278.16929	264.34237	43.96165	2.64408	0.1841984	0.27124016	2.3635605	21	3 21.3	20.5
299502 2006 BO_{242}	17.0	X	39.43977	132.93498	61.26864	2.38402	0.1150503	0.27043026	2.3682771	21	5 3.2	19.2
299503 2006 BV_{245}	17.2	X	250.52443	227.05803	59.06440	1.20848	0.1986730	0.25916654	2.4364084	21	1 26.6	21.0
299504 2006 BC_{264}	17.7	X	37.02572	141.28280	70.10847	2.25808	0.1286688	0.27054242	2.3676225	21	5 26.8	19.6
299505 2006 BB_{269}	17.0	X	32.37414	178.01877	7.52598	11.95189	0.1815090	0.26643788	2.3918764	21	4 6.9	18.7
299506 2006 CH_{3}	17.2	X	309.37059	161.74168	148.19402	6.72705	0.2297430	0.27793095	2.3254738	21	4 25.6	20.0
299507 2006 CN_{5}	17.0	X	106.05431	57.04098	145.95845	7.11564	0.0399029	0.28597344	2.2816669	21	8 18.8	19.7
299508 2006 CK_{6}	17.5	X	346.94713	58.18765	184.66905	2.16663	0.1637904	0.26835727	2.3804577	21	3 31.1	19.6
299509 2006 CJ_{10}	17.3	X	63.54014	224.82201	332.57158	8.31489	0.0791029	0.27838491	2.3229450	21	6 14.1	20.1
299510 2006 CV_{12}	16.7	X	8.84486	307.82937	315.31615	6.61125	0.0918244	0.27798886	2.3251508	21	6 20.5	19.0
299511 2006 CQ_{17}	12.5	X	338.54641	299.19889	331.73223	27.75804	0.0589266	0.08152799	5.2674233	21	5 15.7	19.6
299512 2006 CA_{21}	17.6	X	324.02530	123.49555	146.76155	6.72630	0.1071853	0.27201722	2.3590571	21	4 12.3	20.3
299513 2006 CY_{25}	17.2	X	40.32637	122.34072	105.03611	2.98276	0.0986042	0.27738813	2.3285066	21	6 23.7	19.6
299514 2006 CT_{27}	18.2	X	314.00639	35.55682	323.83190	2.92974	0.1297828	0.28945935	2.2633115	21	8 4.7	19.9
299515 2006 CD_{46}	17.5	X	3.34307	270.38010	4.60468	1.75233	0.2059019	0.27819784	2.3239862	21	6 29.9	18.8
299516 2006 CW_{49}	17.2	X	239.69936	123.94835	295.13937	5.82307	0.0865331	0.28651616	2.2787847	21	7 16.3	19.9
299517 2006 CO_{57}	16.7	X	67.87326	23.42601	137.40760	8.96089	0.0165582	0.26871226	2.3783608	21	4 23.9	19.7
299518 2006 CX_{63}	17.6	X	50.42676	327.56599	277.63962	1.98228	0.0710500	0.28984945	2.2612803	21	8 3.6	20.1
299519 2006 CQ_{66}	17.5	X	274.20436	69.61218	196.28968	1.01697	0.1569827	0.25964150	2.4334363	21	1 25.6	21.3
299520 2006 CA_{68}	17.4	X	83.17961	182.30520	329.30133	1.10334	0.1135664	0.26991387	2.3712968	21	5 14.0	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
299521 2006 DL_1	17.0	X	244.61468	124.86515	0.59754	6.03970	0.1199965	0.29645575	2.2275603	21	10 20.4	19.7
299522 2006 DY_1	16.8	X	260.33072	313.91323	345.09887	6.79109	0.1006204	0.26396578	2.4067868	21	2 26.9	20.0
299523 2006 DF_2	13.1	X	315.53055	336.99446	338.22381	23.45615	0.1297916	0.08297716	5.2059140	21	6 4.5	20.0
299524 2006 DW_4	13.7	X	340.82739	140.10814	154.12782	10.05418	0.0748209	0.08180454	5.2555451	21	6 22.6	20.4
299525 2006 DQ_{15}	17.3	X	298.86685	250.76866	45.81956	2.75870	0.2154938	0.26885939	2.3774930	21	3 25.6	20.5
299526 2006 DD_{17}	17.4	X	7.04185	234.06407	16.21974	4.62476	0.0670760	0.27397876	2.3477839	21	5 26.6	19.8
299527 2006 DZ_{20}	16.8	X	57.13937	338.02762	169.96012	9.55777	0.1229533	0.26452302	2.4034056	21	3 29.5	19.1
299528 2006 DF_{21}	17.7	X	290.49301	61.92946	315.77542	4.73819	0.1202588	0.28791647	2.2713900	21	7 23.7	20.2
299529 2006 DS_{21}	17.3	X	279.29879	38.04821	358.42140	5.98606	0.1610016	0.28718388	2.2752512	21	7 28.7	19.9
299530 2006 DB_{26}	16.7	X	145.03221	172.02454	351.68355	24.75682	0.1192118	0.28463218	2.2888292	21	8 27.0	20.2
299531 2006 DF_{31}	16.3	X	82.18733	231.19729	339.61775	10.21550	0.0529968	0.27894626	2.3198275	21	7 31.8	19.2
299532 2006 DS_{31}	17.5	X	295.34573	255.26608	341.43898	2.41379	0.1541373	0.25481884	2.4640435	21	1 13.0	21.0
299533 2006 DD_{32}	17.4	X	137.65918	297.82753	203.83896	0.83095	0.1199603	0.27769603	2.3267851	21	7 11.3	20.7
299534 2006 DV_{33}	17.0	X	206.04283	199.24309	152.09044	3.16330	0.0993883	0.26056120	2.4277067	21	3 8.3	20.4
299535 2006 DC_{41}	16.5	X	132.33051	357.89174	186.25993	12.02830	0.1442801	0.28280138	2.2986969	21	9 1.2	20.1
299536 2006 DO_{47}	18.1	X	291.53877	311.68666	312.37504	1.21663	0.1985549	0.25975633	2.4327191	21	2 5.9	21.4
299537 2006 DC_{50}	13.4	X	268.48518	211.67535	150.34067	22.35061	0.0108115	0.08242317	5.2292149	21	6 21.5	20.6
299538 2006 DN_{50}	16.2	X	27.15913	183.79353	17.82694	12.10731	0.0652016	0.26583596	2.3954856	21	4 17.9	18.7
299539 2006 DD_{54}	17.2	X	276.80269	273.83911	4.77316	4.61460	0.1890806	0.25774281	2.4453724	21	2 12.0	20.9
299540 2006 DK_{58}	17.6	X	122.55556	346.28420	177.87859	4.60522	0.1429643	0.27769337	2.3267999	21	7 26.4	20.9
299541 2006 DP_{63}	17.5	X	78.66347	153.86448	12.98846	1.56480	0.1198626	0.27037863	2.3685786	21	5 30.7	20.1
299542 2006 DC_{79}	17.5	X	3.52266	31.75612	191.42530	2.49823	0.1409201	0.26555976	2.3971463	21	4 6.1	19.3
299543 2006 DE_{80}	16.7	X	244.21030	327.66539	342.57677	10.63994	0.2736136	0.25769313	2.4456867	21	2 17.5	20.9
299544 2006 DL_{80}	17.1	X	304.26208	325.31030	339.47271	7.18459	0.1164825	0.26990592	2.3713434	21	4 24.3	20.2
299545 2006 DZ_{84}	17.2	X	323.17116	343.69519	276.98027	1.43087	0.1018868	0.26488890	2.4011920	21	3 26.3	20.1
299546 2006 DD_{96}	17.9	X	226.62103	81.35927	1.12280	2.55298	0.1859589	0.28325831	2.2962241	21	7 23.2	21.4
299547 2006 DQ_{99}	13.4	X	276.33449	342.44724	3.24078	11.20715	0.1094490	0.08173397	5.2585699	21	5 25.1	20.5
299548 2006 DS_{118}	17.0	X	50.52742	20.28548	175.42187	6.66059	0.0575446	0.26962753	2.3729754	21	5 20.6	19.7
299549 2006 DT_{118}	16.8	X	91.14658	120.15025	68.30371	4.84848	0.1178506	0.27518162	2.3409372	21	7 20.4	19.7
299550 2006 DN_{120}	17.0	X	231.66015	324.64403	141.06515	6.43507	0.0960337	0.28904400	2.2654792	21	9 10.9	19.9
299551 2006 DH_{127}	13.7	X	4.95759	58.78570	202.90635	3.73180	0.0728451	0.08277110	5.2145506	21	6 17.0	20.2
299552 2006 DN_{127}	13.9	X	18.53875	251.81972	350.11736	4.08458	0.0758199	0.08414936	5.1574556	21	6 12.0	20.4
299553 2006 DP_{132}	17.2	X	277.14610	208.21281	73.42646	3.34936	0.2027643	0.25921270	2.4361192	21	2 14.5	21.0
299554 2006 DG_{138}	17.4	X	298.46427	229.88200	90.44375	3.67554	0.1288394	0.27219967	2.3580028	21	5 10.4	20.1
299555 2006 DX_{141}	17.5	X	296.70111	15.65022	29.46979	3.51218	0.1449387	0.29051098	2.2578462	21	9 13.2	19.4
299556 2006 DD_{146}	17.6	X	271.81547	133.57869	154.00928	2.68987	0.1952429	0.25885715	2.4383494	21	2 16.0	21.2
299557 2006 DS_{148}	17.7	X	116.84548	321.93123	193.28748	2.92594	0.1361990	0.27527542	2.3404054	21	7 7.3	20.9
299558 2006 DY_{151}	16.7	X	69.92249	230.94666	345.25041	4.79312	0.0884698	0.27542525	2.3395566	21	7 25.8	19.4
299559 2006 DB_{156}	17.3	X	272.90357	146.05782	140.58623	2.88308	0.2051182	0.25902799	2.4372771	21	2 15.2	20.8
299560 2006 DQ_{156}	17.0	X	323.07705	89.58885	157.04378	6.88843	0.0717170	0.26316308	2.4116785	21	3 13.3	19.9
299561 2006 DY_{171}	17.4	X	21.41199	196.25326	33.10706	2.96725	0.1395588	0.26908675	2.3761536	21	5 23.6	19.5
299562 2006 DQ_{175}	17.4	X	313.72342	314.50962	9.69775	6.46989	0.1448468	0.27563920	2.3383458	21	6 4.4	20.0
299563 2006 DS_{190}	17.3	X	217.19637	54.63893	18.42869	8.99900	0.1706352	0.28005650	2.3136923	21	7 2.1	21.0
299564 2006 DX_{192}	16.8	X	172.82799	319.20915	169.28408	6.32546	0.0986575	0.28002725	2.3138535	21	7 30.9	20.2
299565 2006 DD_{193}	16.5	X	249.90153	297.03068	10.44176	6.96029	0.1265291	0.25779293	2.4450555	21	2 27.1	20.1
299566 2006 DG_{193}	16.4	X	353.12399	235.43709	11.93650	5.98402	0.0728347	0.26654570	2.3912313	21	4 27.8	18.9
299567 2006 DU_{203}	16.7	X	63.82008	197.44365	46.23084	7.39863	0.0790540	0.28073652	2.3099546	21	8 27.9	19.5
299568 2006 DG_{208}	17.3	X	177.77966	80.82647	190.73451	10.77832	0.2620084	0.23528449	2.5986064	21	—	—
299569 2006 DM_{211}	17.3	X	320.02960	209.14034	20.11342	2.45399	0.1288520	0.25660515	2.4525948	21	2 5.8	20.2
299570 2006 DV_{214}	17.5	X	254.36048	82.03089	338.74542	6.34213	0.0908678	0.28774497	2.2722924	21	8 8.4	20.2
299571 2006 ES_1	17.6	X	296.50572	45.32834	25.26346	3.81531	0.1139388	0.29525765	2.2335822	21	10 26.5	19.5
299572 2006 EZ_{30}	12.6	X	284.57375	336.26150	7.14031	17.85062	0.0801713	0.08035679	5.3184817	21	6 3.9	19.8
299573 2006 ED_{40}	17.2	X	264.31311	341.97943	315.78306	3.89228	0.1632892	0.25939060	2.4350052	21	2 23.5	21.0
299574 2006 EY_{45}	17.5	X	298.63269	316.88824	318.05261	1.62646	0.1681807	0.26256549	2.4153364	21	3 2.7	20.7
299575 2006 EE_{58}	13.5	X	242.41943	49.33933	341.97771	8.58381	0.0270903	0.08175499	5.2576685	21	6 21.6	20.6
299576 2006 EO_{63}	17.3	X	337.37733	53.58087	219.79093	5.80588	0.0990747	0.26767463	2.3845032	21	5 8.5	19.6
299577 2006 FK_8	16.9	X	241.25144	237.24679	195.41851	6.96654	0.0973465	0.28028929	2.3124111	21	8 2.9	20.1
299578 2006 FX_{30}	16.7	X	23.77085	72.51728	165.31096	6.00141	0.0891470	0.27161213	2.3614021	21	6 9.4	19.1
299579 2006 FD_{39}	16.7	X	319.40080	224.90861	25.26442	7.00984	0.0924962	0.26062036	2.4273393	21	3 11.9	19.6
299580 2006 FO_{40}	17.5	X	293.09974	343.19497	253.83981	1.96722	0.1117765	0.25590941	2.4570380	21	1 15.0	21.0
299581 2006 FU_{42}	17.5	X	198.22182	62.37070	190.42719	13.45795	0.2484963	0.23513490	2.5997085	21	—	—
299582 2006 GQ_2	18.0	X	197.39813	64.54697	13.89090	25.83533	0.4657607	0.67243423	1.2903361	21	5 31.4	20.5
299583 2006 GK_{11}	16.8	X	359.82023	307.42960	180.88813	9.90206	0.0219167	0.24609676	2.5219247	21	—	—
299584 2006 GY_{12}	17.7	X	197.06177	139.59836	124.78393	3.49787	0.1779715	0.23774811	2.5806236	21	—	—
299585 2006 GA_{14}	17.1	X	16.43195	53.83769	175.00830	6.26850	0.0766102	0.26570169	2.3962926	21	5 13.9	19.7
299586 2006 GW_{18}	17.2	X	135.28015	52.23729	46.70309	6.78651	0.0822912	0.26576141	2.3959335	21	5 6.9	20.2
299587 2006 GT_{19}	17.7	X	199.65263	119.76471	160.41327	4.43984	0.1605508	0.24032067	2.5621741	21	—	—
299588 2006 GJ_{25}	17.6	X	194.00092	109.33608	180.98587	1.77696	0.2111356	0.24015648	2.5633418	21	—	—
299589 2006 GD_{41}	17.0	X	133.71315	113.72626	152.89621	13.73907	0.3437825	0.22527409	2.6750294	21	12 14.9	22.3
299590 2006 HA_{11}	16.6	X	173.90482	162.10463	101.26213	5.49820	0.2431639	0.23177112	2.6248017	21	—	—
299591 2006 HC_{13}	16.8	X	179.15988	121.08538	145.71605	5.10767	0.1768210	0.23392406	2.6086719	21	—	—
299592 2006 HT_{28}	17.1	X	181.38345	307.31532	98.90119	5.92982	0.1173023	0.26225893	2.4172182	21	4 24.7	20.8
299593 2006 HX_{29}	16.4	X	319.98307	26.72508	209.35882	13.43225	0.1457911	0.25803383	2.4435334	21	2 6.3	19.8
299594 2006 HL_{34}	17.6	X	160.92937	103.05814	48.59994	4.17870	0.1607140	0.27930294	2.3178520	21	8 22.3	21.2
299595 2006 HF_{35}	16.7	X	155.98847	267.90597	52.66741	6.82743	0.2842756	0.23379357	2.6096424	21	—	—
299596 2006 HR_{36}	16.3	X	150.49468	115.79640	211.64279	27.24275	0.2730400	0.23318373	2.6141904	21	—	—
299597 2006 HH_{42}	16.0	X	262.34852	253.02055	289.58720	7.14722	0.2748459	0.23704714	2.5857085	21	12 28.1	18.9
299598 2006 HB_{45}	17.5	X	293.15480	224.20259	56.83429	2.22210	0.1723282	0.25862988	2.4397776	21	3 5.8	20.9
299599 2006 HO_{50}	16.7	X	321.61619	47.15606	211.58143	5.88072	0.1264226	0.26081603	2.4261251	21	3 16.9	19.8
299600 2006 HM_{67}	16.6	X	169.85116	98.07554	215.30515	11.28713	0.2169872	0.23719112	2.5846621	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
299601 2006 HL_{69}	16.5	X	170.07569	117.28716	196.84530	2.73901	0.1987122	0.23673934	2.5879493	21	—	—
299602 2006 HC_{71}	16.7	X	65.99066	144.63567	188.49906	8.83381	0.2343823	0.22123337	2.7075031	21	—	—
299603 2006 HR_{73}	17.0	X	156.53625	91.93995	207.37820	11.89843	0.1781336	0.23282933	2.6168425	21	—	—
299604 2006 HL_{74}	16.6	X	184.46708	338.98603	79.17290	7.07314	0.1239624	0.26355549	2.4092841	21	5 12.5	20.2
299605 2006 HO_{76}	16.1	X	128.31894	178.14024	100.19224	13.85958	0.2096928	0.22378614	2.6868737	21	12 21.4	20.8
299606 2006 HS_{77}	17.4	X	168.30595	297.06567	159.19124	1.62808	0.0842715	0.27256727	2.3558822	21	6 12.2	20.7
299607 2006 HQ_{81}	17.5	X	241.56873	278.75726	350.98380	1.47398	0.1543845	0.24456491	2.5324446	21	1 2.8	21.6
299608 2006 HL_{83}	16.7	X	182.97253	253.43180	79.41097	8.19464	0.1752736	0.24270363	2.5453755	21	1 28.8	20.8
299609 2006 HJ_{87}	17.5	X	195.55233	101.11093	199.16499	4.15258	0.2360340	0.24278731	2.5447906	21	1 1.6	21.9
299610 2006 HP_{88}	16.6	X	200.71626	105.48804	142.09119	5.17249	0.1482167	0.23357202	2.6112924	21	—	—
299611 2006 HZ_{89}	16.5	X	122.62995	157.51083	119.10328	15.30707	0.2446431	0.22300592	2.6931370	21	12 17.0	21.3
299612 2006 HE_{92}	16.7	X	198.30917	104.90558	148.02520	4.47123	0.1229254	0.23416321	2.6068954	21	—	—
299613 2006 HY_{93}	16.5	X	106.33565	152.20443	169.03130	11.75609	0.0803608	0.22860147	2.6490086	21	—	—
299614 2006 HB_{98}	17.3	X	252.26888	233.45803	4.75562	1.99352	0.0622383	0.24255213	2.5464354	21	—	—
299615 2006 HE_{110}	15.5	X	235.04859	297.57456	270.84352	28.38829	0.1404345	0.23939331	2.5687867	21	—	—
299616 2006 JE_{4}	16.0	X	4.31045	226.12171	211.71614	12.70598	0.0504720	0.23524045	2.5989308	21	—	—
299617 2006 JX_{6}	17.6	X	187.11481	63.84574	206.35657	7.11288	0.1566169	0.23488683	2.6015386	21	—	—
299618 2006 JR_{12}	16.9	X	355.68394	63.78824	118.87472	4.99356	0.1496145	0.25240990	2.4796961	21	1 23.6	19.6
299619 2006 JG_{17}	17.3	X	215.29686	62.09286	207.30201	4.61793	0.1783896	0.23923057	2.5699515	21	—	—
299620 2006 JS_{25}	17.4	X	333.28142	43.91022	206.76420	0.75851	0.1410853	0.25943897	2.4347026	21	3 23.2	20.1
299621 2006 JW_{31}	17.1	X	178.66754	127.68478	172.17387	4.46091	0.2382089	0.23565940	2.5958497	21	—	—
299622 2006 JS_{32}	16.6	X	78.07156	202.59315	139.40013	10.60930	0.0647171	0.22786796	2.6546903	21	—	—
299623 2006 JH_{34}	17.3	X	140.05211	259.41841	197.59349	3.01335	0.1292371	0.26327206	2.4110129	21	5 15.9	20.8
299624 2006 JS_{35}	17.3	X	168.41534	156.50015	148.81009	3.38029	0.2056282	0.23464526	2.6033238	21	—	—
299625 2006 JT_{43}	17.0	X	172.16884	164.21249	133.17925	5.01281	0.1970710	0.23570697	2.5955004	21	—	—
299626 2006 JH_{50}	16.7	X	72.93527	87.08889	36.68584	8.07563	0.0516495	0.25649737	2.4532818	21	3 15.9	19.7
299627 2006 JK_{54}	16.5	X	201.73373	188.32368	67.56890	13.34139	0.2134606	0.23503966	2.6004107	21	—	—
299628 2006 JB_{56}	16.4	X	190.93160	146.31140	114.10630	13.76837	0.1509342	0.23373425	2.6100839	21	—	—
299629 2006 JD_{61}	17.5	X	161.33310	78.20399	205.95559	2.72283	0.2110731	0.23230610	2.6207704	21	—	—
299630 2006 JF_{68}	16.5	X	199.22586	45.87748	241.28046	10.56671	0.0604641	0.23945949	2.5683134	21	—	—
299631 2006 JP_{68}	17.2	X	169.08099	203.32679	215.06671	5.57077	0.1126419	0.26317845	2.4115846	21	4 24.6	20.8
299632 2006 KU_{2}	17.2	X	136.23979	69.70128	203.29980	5.33176	0.2195838	0.22450334	2.6811484	21	12 21.1	21.9
299633 2006 KK_{3}	17.3	X	194.74634	93.56646	207.01758	11.42839	0.2724464	0.24099924	2.5573624	21	1 2.0	22.0
299634 2006 KC_{8}	16.3	X	94.35117	109.63236	234.34407	11.77284	0.2931368	0.22539766	2.6740516	21	—	—
299635 2006 KH_{16}	16.1	X	284.16855	53.26895	151.83880	15.14563	0.1407641	0.24126450	2.5554875	21	—	—
299636 2006 KR_{18}	16.6	X	262.98143	142.97976	107.38426	9.37281	0.0940035	0.24673246	2.5175910	21	1 2.5	20.3
299637 2006 KX_{28}	17.3	X	165.25911	204.16526	67.92683	2.23798	0.1972023	0.23008744	2.6375909	21	—	—
299638 2006 KC_{30}	16.6	X	210.39493	136.03431	157.45598	8.03779	0.1618125	0.24171423	2.5523168	21	1 3.5	20.9
299639 2006 KW_{35}	16.6	X	74.41524	91.90216	168.84004	12.92826	0.2217763	0.21085769	2.7956089	21	10 16.3	20.8
299640 2006 KW_{36}	16.8	X	11.74956	98.71103	100.95660	3.42761	0.1359762	0.25740623	2.4475036	21	3 21.4	19.0
299641 2006 KR_{52}	15.6	X	140.03421	54.46771	221.60046	12.02066	0.1215979	0.22610652	2.6684597	21	12 26.6	19.9
299642 2006 KP_{60}	16.1	X	125.24094	245.96618	88.31111	15.42238	0.1101852	0.23263879	2.6182712	21	—	—
299643 2006 KE_{61}	17.0	X	197.11248	50.84618	217.52931	11.44212	0.1800447	0.23440732	2.6050853	21	—	—
299644 2006 KG_{65}	16.2	X	154.26599	145.37521	138.44180	11.92964	0.2315702	0.23066749	2.6331673	21	—	—
299645 2006 KO_{73}	16.0	X	138.66732	250.51694	111.30535	13.40550	0.3193993	0.23522146	2.5990707	21	2 6.6	20.2
299646 2006 KG_{84}	16.2	X	135.48101	73.57100	222.76362	14.67185	0.1254662	0.22835357	2.6509254	21	—	—
299647 2006 KR_{84}	17.8	X	205.80629	105.60091	200.65272	4.27305	0.1328577	0.24543481	2.5264572	21	1 12.9	21.8
299648 2006 KC_{89}	16.7	X	170.30343	164.24595	110.41080	15.16204	0.2407169	0.22970613	2.6405090	21	—	—
299649 2006 KT_{93}	16.3	X	157.99740	140.21617	223.53716	12.46407	0.2914597	0.24103489	2.5571102	21	2 15.1	20.9
299650 2006 KG_{97}	16.1	X	132.09979	26.31923	252.63097	11.97317	0.1393434	0.21899696	2.7259046	21	12 22.4	20.4
299651 2006 KO_{103}	16.2	X	178.23087	342.72893	259.83786	8.56724	0.1658593	0.22758796	2.6568673	21	12 21.5	20.6
299652 2006 KE_{116}	16.4	X	90.06573	90.19235	229.93750	13.59147	0.2046036	0.22294947	2.6935916	21	—	—
299653 2006 KG_{121}	16.3	X	247.84697	237.56748	2.07276	12.22332	0.1263489	0.24100722	2.5573059	21	—	—
299654 2006 LV_{1}	16.4	X	114.37028	134.47167	124.91520	18.67651	0.2546977	0.21462200	2.7628241	21	11 24.6	21.5
299655 2006 MG	16.9	X	96.56963	188.08227	150.14337	5.56307	0.2176991	0.22704923	2.6610683	21	—	—
299656 2006 MP_{3}	16.0	X	269.16215	106.86776	125.04192	15.23324	0.1764040	0.24188398	2.5511225	21	—	—
299657 2006 ME_{7}	16.3	X	73.13050	231.38647	120.48454	14.84210	0.1314625	0.21882946	2.7272955	21	—	—
299658 2006 OV	16.0	X	297.86897	116.92192	233.41680	10.07917	0.0601366	0.19286421	2.9668912	21	7 2.3	20.1
299659 2006 OR_{18}	16.0	X	137.61626	301.82121	333.27994	10.93728	0.1462295	0.22005888	2.7171281	21	12 24.3	20.5
299660 2006 OK_{20}	16.3	X	65.97007	268.55598	45.94851	8.28578	0.2297553	0.21116194	2.7929229	21	12 9.3	20.6
299661 2006 OX_{20}	16.0	X	307.78867	139.99298	319.82057	2.73071	0.0547829	0.21010766	2.8022581	21	12 10.8	19.6
299662 2006 OE_{21}	16.6	X	284.71491	205.27220	217.10335	1.29239	0.1047506	0.19509294	2.9442522	21	9 11.7	20.5
299663 2006 OO_{21}	15.6	X	17.79857	301.28728	48.59240	15.62770	0.1611457	0.20533798	2.8454865	21	11 11.6	19.0
299664 2006 PS_{4}	16.0	X	48.11846	259.17145	96.87534	8.64907	0.2368243	0.21103939	2.7940040	21	—	—
299665 2006 PE_{7}	15.5	X	331.37539	80.30530	331.66678	14.10466	0.1658710	0.20671730	2.8328147	21	11 5.1	18.8
299666 2006 PY_{11}	16.5	X	50.61117	61.06674	284.53061	3.31534	0.0839014	0.21059220	2.7979580	21	12 11.5	20.4
299667 2006 PC_{40}	16.0	X	48.55734	237.62797	138.02743	7.31504	0.3214610	0.21271622	2.7793014	21	—	—
299668 2006 QV_{1}	16.4	X	117.66737	281.19107	56.59864	2.35417	0.0814246	0.22177735	2.7030740	21	—	—
299669 2006 QW_{6}	16.0	X	355.71893	90.59858	341.90419	8.15450	0.1590725	0.21209226	2.7847498	21	—	—
299670 2006 QU_{7}	15.9	X	37.18841	250.99408	159.58832	11.23472	0.3018550	0.21401143	2.7680764	21	—	—
299671 2006 QQ_{13}	16.1	X	126.15183	343.43989	313.92779	5.59567	0.0568243	0.21964899	2.7205074	21	—	—
299672 2006 QG_{15}	16.0	X	73.25975	51.54932	309.35983	11.77512	0.0852396	0.21793800	2.7347276	21	—	—
299673 2006 QG_{16}	16.4	X	107.72519	306.04880	338.67738	7.25684	0.2065490	0.21407029	2.7675690	21	12 10.0	21.1
299674 2006 QM_{21}	16.1	X	171.06289	97.29610	185.56646	6.31434	0.0491117	0.22244959	2.6976254	21	—	—
299675 2006 QT_{27}	16.3	X	20.92406	347.74115	347.90165	17.45296	0.1415723	0.20264152	2.8706732	21	10 17.6	20.0
299676 2006 QE_{32}	16.1	X	26.93902	85.99793	303.50812	6.24094	0.2313184	0.21082831	2.7958686	21	—	—
299677 2006 QQ_{42}	15.7	X	333.75637	303.78870	78.25532	3.38325	0.1125907	0.20011625	2.8947728	21	10 7.5	19.0
299678 2006 QG_{46}	16.4	X	39.45163	217.63812	138.93268	8.80392	0.2345774	0.21032058	2.8003665	21	—	—
299679 2006 QN_{61}	16.3	X	43.08716	175.07653	196.37686	5.61596	0.0639915	0.21240539	2.7820122	21	12 31.3	20.2
299680 2006 QB_{67}	16.5	X	79.80815	309.09667	324.11460	1.08748	0.0302260	0.20231778	2.8737348	21	10 8.8	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
299681 2006 QN_{74}	16.3	X	278.00093	244.50698	152.56556	12.81001	0.2380447	0.19049897	2.9913986	21	7 10.8	20.7
299682 2006 QQ_{79}	16.0	X	68.35484	212.63957	174.56171	11.80847	0.1862301	0.21806399	2.7336741	21	—	—
299683 2006 QW_{81}	16.2	X	147.03250	304.65254	5.96492	6.21824	0.0517392	0.21935435	2.7229430	21	—	—
299684 2006 QB_{90}	16.5	X	8.57654	67.76096	340.25414	7.19503	0.1207108	0.21087966	2.7954147	21	—	—
299685 2006 QQ_{93}	16.2	X	126.67592	101.81035	180.24012	9.04231	0.0811998	0.21569160	2.7536827	21	12 19.5	20.5
299686 2006 QP_{94}	16.9	X	84.84594	173.40447	142.03393	12.96146	0.2049343	0.21233442	2.7826320	21	12 26.9	21.5
299687 2006 QB_{96}	16.0	X	351.15762	294.83907	78.77142	9.03463	0.2231171	0.20140225	2.8824371	21	11 3.3	18.7
299688 2006 QN_{100}	16.6	X	17.99565	179.74638	182.97222	7.49935	0.1108002	0.20580854	2.8411476	21	11 23.5	20.2
299689 2006 QY_{100}	15.1	X	267.54233	20.19299	316.02127	16.35536	0.2102419	0.18095666	3.0956582	21	4 10.3	20.3
299690 2006 QT_{104}	16.5	X	308.76442	267.45886	168.84994	4.59067	0.0483310	0.21097061	2.7946113	21	11 14.1	20.0
299691 2006 QX_{106}	16.5	X	5.27871	200.78854	203.29026	2.77337	0.1715904	0.20913781	2.8109148	21	—	—
299692 2006 QE_{107}	15.9	X	20.62818	84.27197	270.19043	1.98402	0.1551537	0.20492346	2.8493224	21	11 20.9	19.4
299693 2006 QZ_{110}	15.2	X	186.72774	264.63806	228.84450	21.06249	0.2021126	0.17760146	3.1345247	21	8 8.2	20.9
299694 2006 QU_{120}	16.2	X	49.96847	95.88133	273.27388	7.69941	0.1669735	0.21242372	2.7818521	21	—	—
299695 2006 QB_{137}	16.3	X	135.59851	27.65828	257.30292	3.92755	0.1384016	0.21596912	2.7513232	21	—	—
299696 2006 QJ_{139}	15.9	X	73.32979	209.74459	161.06240	14.26641	0.0795230	0.21960221	2.7208938	21	—	—
299697 2006 QK_{139}	16.2	X	357.35987	210.21394	205.66797	4.53771	0.0748628	0.21341231	2.7732546	21	12 27.6	19.7
299698 2006 QC_{145}	16.4	X	292.79563	257.78101	166.11126	6.49021	0.2114002	0.19654706	2.9297126	21	9 10.2	20.0
299699 2006 QG_{148}	15.9	X	126.60926	244.50116	16.80212	5.16157	0.0703603	0.20695133	2.8306787	21	11 21.4	20.2
299700 2006 QA_{149}	15.7	X	340.13145	244.88437	149.52459	6.43914	0.0581717	0.20231382	2.8737723	21	11 4.2	19.4
299701 2006 QW_{151}	16.6	X	286.72826	88.73706	339.51969	1.39108	0.0471670	0.20120135	2.8843555	21	10 1.1	20.5
299702 2006 QG_{156}	16.8	X	15.54555	90.86381	294.93491	2.72393	0.1030068	0.20898212	2.8123106	21	12 17.9	20.3
299703 2006 QH_{156}	16.3	X	34.80499	189.33838	180.51874	4.41983	0.0876881	0.21018222	2.8015953	21	12 22.2	20.0
299704 2006 QS_{156}	16.8	X	312.91399	199.41646	167.31389	10.25767	0.0933467	0.19403245	2.9549704	21	8 10.8	20.6
299705 2006 QS_{161}	16.3	X	71.27646	356.30301	0.12336	1.73221	0.1106802	0.21262964	2.7800558	21	—	—
299706 2006 QW_{163}	16.7	X	133.77382	146.08246	159.93864	4.05907	0.0303197	0.21794460	2.7346724	21	—	—
299707 2006 QF_{164}	16.1	X	41.18089	104.12402	224.50557	13.83546	0.1675124	0.20552515	2.8437586	21	11 19.9	19.8
299708 2006 QB_{165}	16.5	X	68.63317	138.03208	197.94498	4.63447	0.0863945	0.21089644	2.7952664	21	12 21.6	20.6
299709 2006 QH_{166}	16.0	X	314.63258	352.69468	343.49712	17.14238	0.1820740	0.18814278	3.0163218	21	6 23.2	20.1
299710 2006 QT_{169}	16.4	X	356.74458	180.35154	163.59232	8.72980	0.1672999	0.19926258	2.9030346	21	9 27.4	19.4
299711 2006 QS_{176}	14.8	X	289.66021	84.19497	170.29924	32.50479	0.0708755	0.16926806	3.2365777	21	2 21.2	19.6
299712 2006 QQ_{182}	16.2	X	171.84434	87.58282	158.71840	3.36618	0.0623502	0.21394043	2.7686887	21	12 23.6	20.2
299713 2006 QO_{183}	15.3	X	319.85802	83.61465	254.32307	10.35027	0.1106105	0.18873553	3.0100031	21	7 11.1	19.2
299714 2006 QQ_{184}	16.7	X	354.00971	300.35283	46.38046	2.63729	0.0650043	0.19669970	2.9281967	21	9 21.5	20.4
299715 2006 QG_{187}	15.3	X	356.82335	235.20887	97.91085	12.66013	0.0815405	0.19045284	2.9918817	21	9 12.3	19.2
299716 2006 RN_{6}	15.9	X	228.91291	217.79856	197.13136	13.02900	0.0874737	0.18247735	3.0784356	21	6 26.3	20.7
299717 2006 RF_{7}	15.9	X	194.51001	240.06214	190.91702	9.13492	0.0849168	0.17823246	3.1271221	21	6 11.0	20.8
299718 2006 RH_{15}	16.4	X	30.66096	74.60989	296.90928	8.22599	0.2022443	0.21003439	2.8029098	21	—	—
299719 2006 RU_{15}	15.8	X	256.42942	112.21953	276.94748	8.99761	0.1310554	0.18569288	3.0427940	21	6 20.8	20.3
299720 2006 RL_{19}	16.1	X	297.27467	38.68482	327.34233	6.11153	0.2483505	0.18819190	3.0157969	21	6 24.9	20.2
299721 2006 RH_{21}	16.7	X	24.05386	265.63208	8.12008	4.86676	0.2108025	0.19254544	2.9701649	21	8 16.6	19.8
299722 2006 RP_{26}	16.7	X	292.56719	295.51600	145.57020	2.83005	0.1064705	0.19790293	2.9163159	21	10 19.4	20.4
299723 2006 RB_{27}	16.0	X	338.83866	158.46744	184.23039	14.30740	0.1187555	0.19113469	2.9847619	21	8 16.9	19.7
299724 2006 RG_{33}	16.3	X	28.81525	142.72083	181.80550	1.63291	0.0727973	0.20140231	2.8824365	21	10 14.0	19.8
299725 2006 RY_{33}	16.0	X	257.14951	58.38992	341.71093	7.96364	0.1643772	0.18676856	3.0310996	21	7 2.2	20.7
299726 2006 RN_{38}	16.3	X	343.45282	217.76324	171.08727	3.91785	0.1653503	0.20274017	2.8697420	21	11 3.8	19.2
299727 2006 RX_{41}	16.9	X	65.29183	337.38228	352.81460	1.53386	0.0751697	0.20579227	2.8412973	21	12 8.0	20.9
299728 2006 RT_{48}	15.7	X	73.23070	213.66907	8.32632	8.21698	0.0759698	0.18541398	3.0458446	21	8 4.3	20.0
299729 2006 RA_{49}	15.8	X	92.69052	176.83773	10.47132	5.77563	0.0996957	0.18140601	3.0905440	21	7 17.1	20.2
299730 2006 RZ_{51}	16.2	X	167.67681	283.04856	194.02531	9.67687	0.0673345	0.18086577	3.0966952	21	7 7.8	21.0
299731 2006 RC_{52}	15.7	X	107.21220	142.51490	21.22746	10.75103	0.1548789	0.17725420	3.1386172	21	7 11.7	20.6
299732 2006 RN_{54}	16.6	X	263.66609	12.21064	50.34709	2.68722	0.0672042	0.18868578	3.0105321	21	8 21.7	20.8
299733 2006 RE_{56}	16.9	X	240.25362	311.89882	180.17524	1.87371	0.0126038	0.19930809	2.9025927	21	10 27.6	20.9
299734 2006 RJ_{58}	16.5	X	334.05397	52.79633	282.81432	0.28137	0.0568398	0.18923655	3.0046879	21	8 5.8	20.2
299735 2006 RC_{59}	15.9	X	322.57070	340.54896	4.60767	13.26479	0.1043388	0.18876655	3.0096733	21	8 2.2	19.9
299736 2006 RV_{63}	15.2	X	242.27303	28.47373	8.17517	9.98216	0.0467613	0.18117113	3.0932146	21	6 24.1	19.9
299737 2006 RT_{68}	16.2	X	15.44302	19.36782	12.87585	6.16076	0.0213113	0.20881183	2.8138394	21	12 15.4	20.0
299738 2006 RA_{70}	16.6	X	354.72002	127.91450	185.74004	9.37506	0.0428331	0.19029788	2.9935056	21	8 5.0	20.6
299739 2006 RB_{71}	16.9	X	256.87743	58.25483	5.62140	1.29687	0.0862408	0.18988230	2.9978719	21	8 11.2	21.2
299740 2006 RA_{73}	17.0	X	318.06859	40.89816	4.33625	1.63413	0.0642240	0.19871460	2.9083691	21	10 13.5	20.5
299741 2006 RX_{75}	16.5	X	18.15695	282.44563	7.77567	9.02674	0.0915382	0.19088295	2.9873857	21	8 17.5	20.3
299742 2006 RO_{79}	16.6	X	308.90326	29.05969	27.64634	2.09149	0.0636763	0.19905667	2.9050362	21	10 15.6	20.2
299743 2006 RY_{80}	16.0	X	21.21006	93.55050	180.38825	20.80078	0.0324968	0.18787458	3.0191917	21	7 20.3	20.5
299744 2006 RB_{83}	16.7	X	283.43104	122.96859	258.30734	1.24348	0.0977677	0.18757762	3.0223774	21	7 18.8	20.7
299745 2006 RJ_{84}	16.6	X	234.18086	297.34961	187.38789	8.58795	0.0578994	0.19687460	2.9264622	21	10 4.2	20.6
299746 2006 RS_{84}	16.5	X	257.31816	59.00463	357.43488	1.52524	0.1351521	0.18725745	3.0258216	21	7 26.4	20.7
299747 2006 RY_{86}	16.1	X	265.31048	124.47836	14.00481	6.96366	0.2076710	0.20314450	2.8659328	21	11 6.5	19.9
299748 2006 RP_{93}	15.8	X	202.95798	265.86309	202.46908	16.29652	0.1312959	0.18433500	3.0577186	21	7 29.6	21.0
299749 2006 RB_{94}	15.7	X	196.45714	83.95565	345.69191	4.56341	0.1189621	0.17742706	3.1365784	21	6 9.7	20.7
299750 2006 RU_{94}	16.9	X	308.81238	100.49101	249.89293	2.32620	0.0939972	0.18608072	3.0385646	21	7 14.4	20.9
299751 2006 RX_{96}	16.7	X	17.14765	30.80603	346.05698	1.37166	0.0786075	0.20315294	2.8658534	21	12 4.1	20.3
299752 2006 RM_{100}	16.1	X	48.43010	347.15087	3.38846	18.52514	0.0928568	0.20935813	2.8089424	21	12 13.9	20.3
299753 2006 RR_{100}	16.2	X	53.50376	327.60115	29.72513	9.28192	0.1606456	0.21068426	2.7971429	21	—	—
299754 2006 RX_{104}	16.5	X	258.29629	8.11325	42.68127	1.53283	0.1626271	0.18542767	3.0456946	21	7 16.6	20.9
299755 Ericmontellese	16.8	X	290.59514	176.27113	191.86566	8.39041	0.0356259	0.18621067	3.0371507	21	7 18.8	21.1
299756 Kerryaileen	16.5	X	41.61253	215.25781	13.94560	0.88205	0.1016941	0.18250014	3.0781793	21	6 30.2	20.3
299757 2006 RR_{120}	16.6	X	282.55139	270.57454	181.21204	7.34732	0.2051443	0.19883286	2.9072159	21	10 3.3	20.0
299758 2006 RZ_{120}	16.7	X	11.13692	129.99964	228.56772	1.05581	0.0675490	0.19969693	2.8988236	21	10 31.6	20.5
299759 2006 RE_{122}	16.1	X	112.55818	68.99002	174.94461	4.79207	0.0510333	0.20164460	2.8801271	21	10 15.4	20.1
299760 2006 SS_{4}	14.9	X	342.02934	323.15751	34.38289	17.68506	0.2128943	0.19142781	2.9817143	21	9 22.8	18.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
299761 2006 SM_{6}	16.1	X	49.70878	145.03408	223.62138	3.64046	0.0818254	0.21216544	2.7841093	21	—	—
299762 2006 SR_{8}	15.7	X	212.06617	65.80468	356.88832	20.64006	0.2274297	0.17757459	3.1348409	21	6 9.2	21.4
299763 2006 SE_{12}	15.4	X	311.92049	5.46627	17.30471	16.13063	0.2514348	0.18982276	2.9984987	21	8 18.8	19.0
299764 2006 SX_{13}	16.4	X	226.56949	68.30619	355.93692	2.39824	0.0825369	0.18453865	3.0554686	21	7 7.2	20.9
299765 2006 SC_{15}	15.2	X	204.17542	196.62564	197.00365	13.01801	0.1243473	0.17548800	3.1596412	21	5 6.2	20.2
299766 2006 SX_{20}	16.0	X	348.10174	173.57151	221.88693	5.03574	0.0830686	0.20411563	2.8568353	21	11 16.5	19.4
299767 2006 SK_{21}	16.3	X	64.67295	171.47507	145.24304	2.80495	0.0889076	0.20576762	2.8415242	21	11 23.5	20.2
299768 2006 SO_{24}	15.1	X	164.99341	221.19903	250.16152	8.42320	0.0130187	0.18334778	3.0686848	21	6 26.5	19.4
299769 2006 SH_{30}	16.6	X	27.81695	188.52378	219.39769	5.32109	0.0286543	0.21751325	2.7382866	21	—	—
299770 2006 SW_{31}	16.8	X	283.88196	249.36719	193.39649	7.46455	0.1731112	0.19603583	2.9348039	21	9 27.0	20.5
299771 2006 SC_{32}	16.5	X	355.57171	80.81439	195.46458	9.53347	0.0760280	0.18392614	3.0622483	21	6 18.9	20.5
299772 2006 SZ_{38}	16.4	X	353.14589	173.89520	205.94584	8.56773	0.1039583	0.20083643	2.8878484	21	11 4.9	19.7
299773 2006 SD_{39}	15.8	X	5.51989	336.12796	10.96002	11.15846	0.0893039	0.19932121	2.9024653	21	10 9.4	19.4
299774 2006 SF_{40}	16.5	X	338.91440	311.50176	57.04066	2.88362	0.1326364	0.19707575	2.9244706	21	9 26.7	19.7
299775 2006 ST_{45}	16.0	X	355.55535	47.80884	23.99639	9.13397	0.1454434	0.20892635	2.8128111	21	—	—
299776 2006 SK_{57}	15.2	X	271.78278	166.53870	209.50221	12.82714	0.1730353	0.18395763	3.0618989	21	6 15.9	19.8
299777 2006 SN_{63}	17.2	X	319.02772	103.25276	280.84481	0.96844	0.0948703	0.19608501	2.9343131	21	9 14.0	20.6
299778 2006 SO_{64}	16.4	X	86.53212	164.11083	158.77956	5.27763	0.0427459	0.21023729	2.8011061	21	12 21.1	20.5
299779 2006 SN_{65}	17.0	X	32.40382	210.39880	215.65192	8.22113	0.1985390	0.21824189	2.7321884	21	—	—
299780 2006 SK_{72}	16.4	X	286.06692	261.63230	89.68983	2.05745	0.1245292	0.18205109	3.0832391	21	6 9.4	20.6
299781 2006 SE_{73}	15.9	X	303.60180	127.85037	188.74576	9.82304	0.0651009	0.17840500	3.1251056	21	5 29.2	20.2
299782 2006 SG_{74}	16.1	X	251.03591	221.92084	186.27303	10.89177	0.1124750	0.18344050	3.0676507	21	7 9.5	20.8
299783 2006 SV_{74}	16.3	X	341.02845	152.07552	182.23364	9.48516	0.0916822	0.18904098	3.0067599	21	8 10.9	20.2
299784 2006 SD_{75}	16.8	X	321.18396	194.62444	124.10640	2.49365	0.2118098	0.18559094	3.0439081	21	6 4.8	20.5
299785 2006 SC_{77}	16.4	X	230.49259	268.82729	211.87659	1.87989	0.0120627	0.19852494	2.9102212	21	9 30.1	20.5
299786 2006 SU_{81}	17.3	X	313.02579	269.04903	160.05783	0.67602	0.1499277	0.19942070	2.9014999	21	10 31.2	20.6
299787 2006 SE_{83}	16.6	X	295.28086	239.80294	180.98604	9.90329	0.1084085	0.19508241	2.9443582	21	9 25.1	20.2
299788 2006 SZ_{83}	16.4	X	227.54484	267.87878	183.72374	10.08828	0.0814564	0.18789579	3.0189646	21	8 9.6	21.0
299789 2006 SE_{87}	16.3	X	173.64458	272.36326	195.87784	16.27839	0.0807435	0.18027454	3.1034621	21	7 2.9	21.4
299790 2006 SV_{89}	16.1	X	216.82290	253.24700	208.48837	8.68546	0.1189735	0.18500995	3.0502773	21	8 6.5	20.9
299791 2006 SL_{93}	16.2	X	213.73966	50.06507	344.16856	0.46573	0.1636902	0.17455857	3.1708468	21	5 12.9	21.4
299792 2006 SY_{93}	16.3	X	54.21997	240.55233	55.23884	1.83266	0.0107661	0.19376638	2.9576749	21	10 2.4	20.4
299793 2006 SR_{94}	16.6	X	344.89945	220.90803	154.73385	2.17362	0.1016765	0.19588013	2.9363589	21	10 15.9	20.0
299794 2006 SC_{95}	16.3	X	356.30839	204.39724	135.41146	1.11855	0.1077189	0.19265793	2.9690086	21	9 15.9	19.7
299795 2006 SE_{95}	16.5	X	27.25516	59.81735	200.03130	10.09482	0.0751313	0.18320470	3.0702823	21	7 14.3	20.7
299796 2006 SY_{96}	17.2	X	251.34029	32.22009	19.81969	1.68024	0.2003923	0.18350262	3.0669582	21	7 6.1	21.8
299797 2006 SA_{97}	15.7	X	348.60256	301.63811	21.72723	11.53881	0.1254944	0.18919614	3.0051157	21	8 15.8	19.4
299798 2006 SD_{99}	16.6	X	348.48933	143.88414	198.32541	3.90743	0.1900784	0.19305759	2.9649097	21	9 4.5	19.5
299799 2006 SA_{102}	16.6	X	334.24860	165.50855	200.06565	4.44078	0.1089259	0.19640301	2.9311449	21	9 12.4	20.2
299800 2006 SP_{106}	15.7	X	88.13737	340.18412	193.55054	12.06639	0.0745431	0.17841604	3.1249767	21	6 18.7	20.3
299801 2006 SD_{108}	16.2	X	58.63251	156.65695	208.50931	5.76714	0.0311596	0.21149086	2.7900264	21	—	—
299802 2006 SV_{108}	16.7	X	206.48018	93.40759	32.44003	2.74203	0.0672761	0.18897503	3.0074593	21	9 2.7	21.2
299803 2006 SF_{109}	16.3	X	294.43133	30.04096	32.61379	8.60633	0.0399785	0.19457093	2.9495159	21	10 6.7	20.2
299804 2006 SF_{114}	15.9	X	31.68700	217.19323	179.92966	6.09084	0.0173738	0.21199516	2.7856000	21	—	—
299805 2006 ST_{118}	15.8	X	324.66366	308.62948	358.77028	6.42204	0.1273983	0.18247398	3.0784735	21	6 6.0	19.7
299806 2006 SQ_{120}	16.0	X	262.73021	295.65880	114.94269	7.49466	0.2094106	0.18603365	3.0390771	21	7 14.9	20.7
299807 2006 SS_{120}	15.9	X	347.37746	307.24202	67.26178	8.87685	0.1010484	0.19743030	2.9209683	21	10 21.4	19.5
299808 2006 SZ_{120}	16.7	X	274.05203	232.09816	171.33280	9.70856	0.2855671	0.18645189	3.0345306	21	7 7.6	21.3
299809 2006 SS_{125}	15.5	X	343.17709	192.62165	131.00219	12.63180	0.1042576	0.18993331	2.9973350	21	8 1.6	19.1
299810 2006 SD_{129}	15.6	X	270.99592	237.72499	169.45762	9.01225	0.1105888	0.18757697	3.0223844	21	8 1.9	20.0
299811 2006 SH_{129}	15.5	X	199.31983	238.43590	175.52933	9.36380	0.0922247	0.17683724	3.1435489	21	5 27.0	20.4
299812 2006 SA_{132}	15.5	X	176.26549	122.04847	296.83221	9.77455	0.1040630	0.17394671	3.1782781	21	5 5.2	20.7
299813 2006 SG_{132}	15.8	X	252.28190	186.33892	260.05084	7.96781	0.0694525	0.19258335	2.9697750	21	9 1.3	20.2
299814 2006 SC_{134}	15.7	X	306.23290	183.24872	169.37246	13.10432	0.1084478	0.18526081	3.0475231	21	7 10.6	19.9
299815 2006 SM_{143}	16.2	X	87.32941	295.64068	259.14840	1.36844	0.0582446	0.18294764	3.0731577	21	7 12.5	20.5
299816 2006 SA_{150}	16.6	X	186.97226	129.93641	333.96856	1.52205	0.2329972	0.17819839	3.1275207	21	7 11.7	22.0
299817 2006 SQ_{154}	15.4	X	317.11160	8.32889	291.67514	8.28290	0.1081847	0.18316656	3.0707085	21	5 17.3	19.4
299818 2006 SP_{156}	16.4	X	293.21150	258.67565	192.56499	1.60654	0.0333172	0.20479212	2.8505406	21	11 11.1	20.3
299819 2006 SJ_{157}	16.7	X	333.17678	7.29807	1.84805	7.48015	0.0934555	0.19559684	2.9391934	21	9 17.9	20.2
299820 2006 SO_{157}	16.5	X	216.51731	113.09191	8.53641	15.73204	0.1656909	0.19085609	2.9876659	21	9 4.4	21.3
299821 2006 SW_{158}	16.2	X	202.51035	284.89797	177.69619	11.26047	0.0647454	0.18731141	3.0252404	21	7 27.7	20.8
299822 2006 SB_{161}	16.4	X	19.00974	303.24278	45.86237	6.73981	0.1043982	0.19896451	2.9059332	21	11 4.2	19.9
299823 2006 SF_{161}	16.4	X	19.18562	271.51160	34.03964	11.05535	0.0186463	0.18948167	3.0020960	21	9 4.4	20.6
299824 2006 SY_{162}	15.9	X	226.14368	30.03724	28.91697	16.43824	0.1003801	0.18048177	3.1010861	21	6 28.0	20.9
299825 2006 SR_{166}	17.2	X	317.80089	205.86045	207.02024	6.11297	0.2092225	0.19770901	2.9182226	21	10 10.9	20.2
299826 2006 SC_{168}	15.5	X	126.69178	170.69610	330.47183	4.51310	0.0948976	0.18054548	3.1003565	21	6 26.5	20.1
299827 2006 ST_{170}	16.0	X	29.35371	216.08029	339.20004	1.75958	0.0840513	0.17416939	3.1755686	21	4 25.2	20.1
299828 2006 SM_{173}	15.6	X	174.18913	213.97797	358.72912	14.93848	0.0852943	0.20528385	2.8459867	21	11 7.6	20.2
299829 2006 SF_{176}	16.2	X	19.41764	41.43928	354.86244	6.73774	0.0712932	0.21058128	2.7980547	21	—	—
299830 2006 SX_{178}	16.9	X	2.08208	270.70374	22.56333	6.76729	0.2778861	0.19171024	2.9787852	21	7 31.6	19.4
299831 2006 SF_{183}	16.9	X	236.12054	24.50271	42.31817	0.45814	0.1270459	0.18459333	3.0548652	21	7 16.4	21.4
299832 2006 SB_{188}	16.1	X	228.15964	238.17272	171.85214	6.64764	0.0097452	0.18336861	3.0684524	21	6 27.6	20.5
299833 2006 SE_{191}	16.7	X	344.57763	6.96772	16.86931	8.10365	0.0835443	0.20012642	2.8946747	21	10 24.6	20.1
299834 2006 SH_{195}	15.5	X	96.55540	308.18796	203.99927	14.15139	0.1781426	0.17339902	3.1849671	21	6 16.1	20.4
299835 2006 ST_{195}	16.6	X	222.69593	177.80206	295.76046	0.26256	0.0331955	0.19346002	2.9607965	21	9 8.5	20.8
299836 2006 SH_{196}	16.4	X	216.01916	188.70181	260.90774	0.20784	0.1211984	0.18578389	3.0418002	21	7 24.2	21.2
299837 2006 SX_{199}	16.8	X	340.50871	310.72790	21.54395	2.06148	0.0337401	0.18957904	3.0010679	21	8 12.7	20.8
299838 2006 SO_{200}	16.4	X	200.98102	209.61130	206.90846	9.74094	0.1065052	0.17597828	3.1537699	21	5 30.6	21.4
299839 2006 SY_{200}	16.5	X	220.24257	54.16309	15.53471	2.77850	0.1050721	0.18110502	3.0939673	21	7 5.3	21.1
299840 2006 SO_{203}	16.6	X	273.48444	203.39437	175.41676	1.75419	0.0920203	0.18644134	3.0346451	21	7 3.3	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
299841 2006 SQ_{203}	16.6	X	234.74992	46.94870	51.21541	3.43293	0.1734434	0.18798904	3.0179662	21	8 19.9	21.3
299842 2006 SL_{204}	16.0	X	270.79215	242.40196	177.98198	9.35221	0.1000275	0.19045061	2.9919050	21	8 20.3	20.2
299843 2006 SK_{216}	16.1	X	106.37549	14.88044	178.70350	11.32490	0.0599852	0.18564230	3.0433467	21	8 1.9	20.7
299844 2006 SW_{220}	16.2	X	287.65620	262.38927	196.49699	1.68991	0.0248443	0.20607295	2.8387167	21	11 14.5	19.9
299845 2006 SX_{221}	16.4	X	308.44210	270.67499	182.20260	1.93870	0.0437323	0.20667758	2.8331777	21	12 3.3	19.9
299846 2006 SE_{227}	16.0	X	244.73549	84.85157	342.54699	9.74192	0.0844299	0.18787797	3.0191554	21	8 3.2	20.5
299847 2006 SK_{228}	16.3	X	315.08194	223.85536	204.82079	10.51223	0.0985853	0.20138103	2.8826396	21	11 8.2	19.8
299848 2006 SC_{238}	16.6	X	332.94721	341.56211	38.01452	2.37931	0.1119667	0.19650751	2.9301056	21	10 1.1	20.1
299849 2006 SD_{240}	16.0	X	276.04694	355.41580	17.21958	12.13448	0.1364931	0.18520989	3.0480816	21	6 21.8	20.5
299850 2006 ST_{244}	16.2	X	285.35321	255.71199	123.09318	3.00822	0.0481263	0.18766653	3.0214228	21	7 25.8	20.1
299851 2006 SP_{245}	16.7	X	253.37722	337.36980	76.06320	2.66199	0.0963776	0.18678131	3.0309616	21	7 23.1	21.1
299852 2006 SC_{254}	16.8	X	114.76482	213.75703	30.21111	2.31972	0.0424820	0.19872885	2.9082301	21	10 16.1	20.9
299853 2006 ST_{254}	16.4	X	298.67629	262.63080	169.35785	1.87736	0.0598135	0.19836902	2.9117460	21	10 21.4	20.2
299854 2006 SM_{256}	16.0	X	354.84908	98.49600	211.30040	7.33265	0.0852675	0.18812544	3.0165072	21	7 30.9	19.9
299855 2006 SW_{258}	16.6	X	75.10216	321.60881	354.42561	1.58682	0.0580914	0.20388202	2.8590172	21	11 29.6	20.7
299856 2006 SU_{259}	16.6	X	192.47739	299.93198	194.58657	4.99148	0.2720008	0.18403076	3.0610877	21	8 18.7	22.1
299857 2006 SW_{261}	15.9	X	228.12242	189.15646	200.87627	9.44418	0.0743052	0.17620059	3.1511166	21	5 28.4	20.7
299858 2006 SP_{262}	15.8	X	142.85492	317.77087	205.78315	13.56990	0.1250717	0.18114683	3.0934912	21	8 8.4	20.9
299859 2006 SX_{262}	16.5	X	345.28211	107.05849	204.92480	8.38337	0.1299101	0.18529775	3.0471181	21	7 16.7	20.2
299860 2006 SK_{267}	15.8	X	203.17872	115.40770	307.23476	3.84271	0.1517552	0.17611224	3.1521704	21	6 6.8	20.9
299861 2006 SK_{268}	15.9	X	70.03158	342.34311	297.95612	4.30709	0.1004327	0.19576557	2.9375043	21	10 12.9	20.2
299862 2006 SC_{269}	16.8	X	235.82472	155.74391	284.55214	4.38898	0.2090824	0.18343436	3.0677191	21	7 24.4	21.8
299863 2006 SP_{273}	15.7	X	277.06144	191.92943	224.44331	9.13413	0.0735816	0.18718711	3.0265795	21	8 24.9	20.0
299864 2006 ST_{273}	16.1	X	229.86354	185.92179	218.94119	8.44249	0.0856136	0.17588294	3.1549095	21	6 15.9	20.9
299865 2006 SX_{273}	16.5	X	229.80004	68.70013	49.15334	7.12378	0.2298868	0.18437871	3.0572354	21	9 4.7	21.5
299866 2006 SF_{275}	15.8	X	247.50554	187.11424	189.07070	8.71601	0.0729725	0.17877620	3.1207783	21	6 2.2	20.5
299867 2006 SN_{282}	16.2	X	278.82273	204.45398	159.52361	11.59671	0.1818352	0.18644309	3.0346261	21	6 9.4	20.7
299868 2006 SR_{289}	15.7	X	302.86653	219.32941	142.85726	13.97638	0.0983417	0.18710283	3.0274884	21	7 20.4	19.7
299869 2006 SA_{290}	15.1	X	284.26385	221.16797	142.41423	28.49171	0.1300553	0.18478702	3.0527301	21	6 25.8	19.8
299870 2006 SY_{292}	16.1	X	263.59817	67.24744	345.68238	8.26890	0.1257375	0.18907710	3.0063769	21	8 1.6	20.4
299871 2006 SL_{293}	15.8	X	124.62471	199.76357	324.34435	5.57817	0.0254069	0.18615113	3.0377982	21	7 16.4	20.0
299872 2006 SB_{294}	16.2	X	306.38894	154.56825	194.82231	11.18282	0.1674852	0.18810472	3.0167287	21	6 27.9	20.2
299873 2006 SM_{297}	16.3	X	316.82024	355.99836	356.32029	1.29800	0.1112182	0.18986390	2.9980655	21	7 27.9	19.9
299874 2006 SU_{297}	15.9	X	336.57991	285.94567	27.54189	10.74041	0.1360337	0.18746246	3.0236151	21	7 5.9	19.6
299875 2006 SV_{297}	15.8	X	280.09977	299.26611	51.27565	8.59606	0.1528663	0.18202109	3.0835777	21	5 26.9	20.1
299876 2006 SR_{302}	17.1	X	327.42224	57.42267	337.45991	5.44534	0.2268006	0.19710127	2.9242181	21	10 2.8	20.0
299877 2006 SB_{304}	16.5	X	291.33289	351.42098	51.90435	3.35266	0.0528489	0.19157723	2.9801637	21	9 5.3	20.4
299878 2006 SH_{312}	16.1	X	299.46878	329.95050	27.73748	4.43443	0.1470103	0.18376280	3.0640627	21	7 3.2	20.2
299879 2006 SU_{313}	16.5	X	10.71855	205.56256	77.11685	1.86391	0.0797296	0.18633562	3.0357928	21	7 22.1	20.3
299880 2006 SP_{314}	16.1	X	259.84602	191.26906	155.76611	3.23967	0.0630403	0.17694455	3.1422779	21	5 12.4	20.6
299881 2006 SQ_{319}	16.5	X	339.42795	222.51226	117.72724	3.93202	0.1416985	0.19094377	2.9867512	21	8 17.3	19.7
299882 2006 SV_{325}	15.7	X	161.89800	272.38009	191.98077	9.83988	0.2078288	0.17422242	3.1749241	21	6 21.9	21.2
299883 2006 SL_{332}	16.3	X	314.77835	313.73021	23.41400	10.55479	0.0627215	0.18234933	3.0798762	21	7 11.7	20.6
299884 2006 SP_{332}	15.7	X	219.45135	217.03450	222.76040	10.92066	0.0466520	0.18164626	3.0878184	21	7 18.7	20.4
299885 2006 SE_{333}	15.9	X	93.20944	6.89853	178.97468	10.99166	0.0195289	0.18261538	3.0768842	21	7 2.1	20.4
299886 2006 SG_{333}	16.3	X	44.65194	281.76278	70.32458	3.03342	0.0837502	0.20536821	2.8452072	21	12 11.0	20.2
299887 2006 ST_{335}	16.0	X	325.36899	116.14696	170.84528	11.88702	0.0333795	0.17816098	3.1279586	21	5 25.6	20.5
299888 2006 SL_{339}	16.0	X	311.47751	225.76530	130.12855	4.51470	0.0932849	0.18843576	3.0131945	21	7 26.2	19.7
299889 2006 SC_{341}	15.7	X	129.43784	329.86501	172.00604	10.03174	0.0587951	0.18028591	3.1033317	21	6 26.4	20.4
299890 2006 SD_{341}	16.2	X	233.02027	221.41507	175.19441	9.47059	0.1106240	0.18036727	3.1023984	21	6 7.8	21.1
299891 2006 SN_{345}	16.4	X	174.52564	163.13257	321.63064	3.39606	0.0519499	0.18325136	3.0697610	21	7 26.8	20.8
299892 2006 SF_{346}	16.1	X	214.47874	188.69375	279.21178	3.73430	0.1366447	0.18542817	3.0456891	21	8 12.2	21.0
299893 2006 SP_{348}	16.3	X	356.39862	349.92905	340.65690	0.34475	0.1034447	0.19163904	2.9795229	21	9 2.9	19.9
299894 2006 SZ_{351}	15.8	X	311.46660	106.47150	325.01869	5.04634	0.0501335	0.20134764	2.8829582	21	11 6.5	19.6
299895 2006 SN_{352}	16.0	X	356.75673	320.65376	344.46512	8.63851	0.0476910	0.18699423	3.0286604	21	8 1.2	20.0
299896 2006 SP_{360}	16.4	X	306.09031	156.68390	201.73755	9.31292	0.1039527	0.18454668	3.0553800	21	7 17.8	20.5
299897 2006 SE_{369}	16.0	X	232.53428	70.75868	349.33034	3.87458	0.1712662	0.18214298	3.0822020	21	6 30.5	20.9
299898 2006 SB_{373}	16.3	X	308.73531	147.20782	196.34363	4.45216	0.2824438	0.18363183	3.0655194	21	6 6.5	20.1
299899 2006 SH_{373}	16.4	X	348.10227	232.24192	132.18481	3.30370	0.0892639	0.19755231	2.9197655	21	10 6.9	19.9
299900 2006 SJ_{373}	16.1	X	336.02626	163.18425	151.97342	5.21404	0.0454655	0.18696314	3.0289961	21	7 12.5	20.2
299901 2006 SJ_{374}	16.2	X	238.55723	48.38354	50.46541	12.88921	0.1285640	0.18934654	3.0035241	21	9 4.1	20.9
299902 2006 SR_{374}	16.3	X	326.03746	165.37909	151.23134	11.47841	0.0806827	0.18336525	3.0684898	21	6 27.3	20.4
299903 2006 SJ_{375}	16.2	X	67.52459	232.38527	82.03099	3.13271	0.0581769	0.20395642	2.8583218	21	11 19.3	20.2
299904 2006 SJ_{377}	15.4	X	311.59585	218.64307	134.74747	10.19269	0.0862681	0.18642393	3.0348341	21	7 23.5	19.4
299905 2006 SM_{380}	15.5	X	290.66036	151.82408	166.13945	16.07689	0.0855276	0.17541958	3.1604627	21	5 13.4	20.2
299906 2006 SO_{380}	15.8	X	181.79319	318.81219	164.75258	16.14900	0.0671193	0.18145467	3.0899915	21	7 31.2	20.6
299907 2006 SX_{382}	16.2	X	359.69632	121.01122	173.50537	10.46271	0.0206357	0.18646581	3.0343795	21	7 18.3	20.5
299908 2006 ST_{390}	16.9	X	29.68294	109.06793	229.09945	1.20648	0.0722043	0.20118242	2.8845365	21	11 1.3	20.7
299909 2006 SZ_{391}	15.7	X	289.27381	232.77546	188.43647	13.17419	0.2431890	0.18799408	3.0179122	21	8 23.3	19.9
299910 2006 SB_{394}	15.5	X	158.80619	210.65182	235.91238	8.89838	0.1075430	0.17213996	3.2004786	21	5 24.9	20.5
299911 2006 SV_{397}	15.1	X	72.00107	304.14540	229.79233	15.54868	0.1498563	0.17161291	3.2070280	21	6 8.9	19.5
299912 2006 SK_{398}	16.3	X	38.75609	137.24168	193.04396	5.71851	0.0957356	0.20248983	2.8721067	21	11 8.3	20.1
299913 2006 SZ_{400}	15.5	X	67.03055	326.13095	231.89765	12.16229	0.1565261	0.17689130	3.1429085	21	7 2.8	19.9
299914 2006 SW_{404}	16.0	X	305.47227	142.25502	181.63778	5.55250	0.1482251	0.17922985	3.1155101	21	5 28.7	20.1
299915 2006 SD_{405}	16.3	X	316.01566	148.21350	196.71701	2.26583	0.1658623	0.18329524	3.0692712	21	7 8.4	19.9
299916 2006 SG_{406}	16.3	X	7.16280	25.30353	31.63886	6.54348	0.0667822	0.21032185	2.8003552	21	—	—
299917 2006 SR_{407}	16.6	X	270.90904	77.48288	347.07655	9.73858	0.0961915	0.19298766	2.9656258	21	8 29.6	20.6
299918 2006 SQ_{409}	16.6	X	238.88259	79.27147	342.83340	5.01626	0.1302200	0.18416463	3.0596041	21	7 13.9	21.3
299919 2006 TZ	15.6	X	306.44373	141.93339	203.35825	8.68429	0.0896888	0.18215540	3.0820619	21	7 3.8	19.9
299920 2006 TZ_2	16.3	X	57.65093	246.83793	47.97227	2.89000	0.0396220	0.19818964	2.9135026	21	10 10.3	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
299921 2006 TM_4	16.1	X	320.68355	99.69462	348.90505	14.70067	0.1201567	0.20536829	2.8452065	21	12 10.9	19.8
299922 2006 TY_6	16.1	X	228.05546	211.84564	214.63866	8.83343	0.0824426	0.18194971	3.0843842	21	7 9.8	20.8
299923 2006 TP_8	17.5	X	279.45287	16.39992	59.00188	1.01074	0.3100133	0.18812418	3.0165207	21	8 21.4	21.7
299924 2006 TW_8	16.5	X	237.21420	219.26164	192.76078	0.60344	0.1730964	0.18125551	3.0922545	21	6 24.6	21.5
299925 2006 TW_{10}	16.1	X	228.12315	9.18815	32.93936	11.54850	0.0929034	0.17760929	3.1344326	21	6 8.3	21.0
299926 2006 TE_{11}	15.5	X	219.59395	198.57531	232.87792	8.74236	0.0588372	0.17916879	3.1162178	21	7 8.6	20.2
299927 2006 TC_{15}	16.0	X	198.88341	173.22274	255.12645	2.09285	0.0859451	0.17803758	3.1294037	21	6 11.9	20.8
299928 2006 TQ_{18}	15.7	X	30.36968	79.53088	196.45277	8.65719	0.0931419	0.18742992	3.0239651	21	8 11.1	19.7
299929 2006 TG_{21}	16.3	X	255.76460	216.64479	172.81199	1.65389	0.1823118	0.18056746	3.1001049	21	6 14.5	21.1
299930 2006 TZ_{23}	16.1	X	305.94063	158.07691	204.29775	8.84120	0.0525442	0.18457118	3.0551096	21	7 29.1	20.4
299931 2006 TH_{27}	16.8	X	234.40540	36.29664	32.42855	0.18088	0.2036276	0.18125581	3.0922511	21	7 9.8	21.7
299932 2006 TF_{33}	15.6	X	10.19995	32.25782	212.95980	8.08444	0.0551851	0.17592297	3.1544309	21	5 31.9	19.8
299933 2006 TJ_{34}	15.5	X	330.45390	94.97505	225.67930	11.00962	0.0349823	0.18164931	3.0877838	21	7 10.7	19.9
299934 2006 TH_{35}	16.1	X	175.38800	225.79508	237.33456	4.22070	0.1473160	0.17555575	3.1588283	21	6 30.7	21.2
299935 2006 TH_{38}	16.4	X	272.86892	312.63141	58.09298	1.73050	0.1904310	0.18131450	3.0915839	21	6 8.4	20.9
299936 2006 TU_{38}	16.9	X	252.46709	223.27655	184.87897	1.24096	0.1864699	0.18179987	3.0860787	21	7 3.6	21.7
299937 2006 TU_{39}	16.4	X	243.06792	17.74724	30.60252	2.05177	0.0711508	0.18047506	3.1011629	21	7 7.2	20.8
299938 2006 TP_{40}	16.6	X	181.79473	98.14540	3.69179	0.54310	0.1502244	0.17666873	3.1455476	21	7 5.4	21.5
299939 2006 TP_{42}	16.4	X	328.20624	105.83928	217.07525	2.02717	0.0332113	0.18056469	3.1001366	21	7 12.6	20.6
299940 2006 TG_{43}	16.6	X	311.72499	268.76084	65.34763	0.61995	0.2367783	0.18389787	3.0625622	21	6 5.6	20.1
299941 2006 TK_{43}	16.2	X	292.45006	106.51239	221.33826	9.92957	0.1011857	0.17640418	3.1486916	21	5 22.8	20.6
299942 2006 TB_{48}	15.1	X	316.30506	141.82098	216.99385	15.33362	0.0844755	0.18577301	3.0419189	21	8 2.1	19.4
299943 2006 TX_{50}	15.9	X	277.03274	275.30725	57.52201	4.78302	0.0456165	0.17262772	3.1944471	21	5 17.2	20.2
299944 2006 TD_{52}	15.4	X	204.97097	206.32359	217.65937	9.81616	0.0771901	0.17432039	3.1737344	21	6 13.3	20.3
299945 2006 TU_{53}	16.1	X	211.28621	255.67712	139.79512	2.10635	0.1907693	0.17223299	3.1993259	21	5 12.2	21.4
299946 2006 TR_{54}	15.3	X	292.66811	326.07107	22.99885	13.74395	0.0914422	0.18091213	3.0961661	21	6 19.2	19.8
299947 2006 TC_{55}	15.6	X	281.22920	227.62711	147.56749	6.06937	0.2618733	0.18393587	3.0621404	21	6 14.5	20.2
299948 2006 TT_{56}	15.4	X	303.54358	152.25393	213.43518	8.64175	0.0953455	0.18603591	3.0390525	21	7 24.5	19.6
299949 2006 TD_{59}	15.7	X	28.97371	10.29988	263.63193	5.79847	0.0543786	0.18351129	3.0668617	21	8 2.9	19.9
299950 2006 TQ_{59}	15.6	X	342.92041	42.35224	237.15981	8.92775	0.0866751	0.17655756	3.1468678	21	6 3.4	19.6
299951 2006 TM_{60}	15.9	X	317.97854	313.20360	37.57435	6.58103	0.1757990	0.18578553	3.0417823	21	7 20.6	19.5
299952 2006 TS_{60}	16.7	X	253.00509	264.11830	114.81463	2.71202	0.0862239	0.17812427	3.1283882	21	6 9.7	21.2
299953 2006 TP_{63}	15.2	X	281.83480	358.65987	12.32640	13.23993	0.0407203	0.18364771	3.0653427	21	7 15.1	19.7
299954 2006 TX_{65}	16.0	X	243.68209	214.46250	210.76858	12.23229	0.0717202	0.18521154	3.0480636	21	7 25.7	20.6
299955 2006 TC_{68}	15.6	X	255.27273	39.81922	318.75427	8.86176	0.0670758	0.17767232	3.1336912	21	5 17.4	20.3
299956 2006 TD_{71}	15.7	X	233.45260	195.36432	223.29911	8.68612	0.0338742	0.18304050	3.0721182	21	7 11.2	20.2
299957 2006 TB_{72}	15.9	X	301.02887	71.63306	305.52716	8.79269	0.1146558	0.18781877	3.0197898	21	8 4.6	19.6
299958 2006 TB_{73}	15.0	X	285.09106	124.61139	240.12276	14.86610	0.0687026	0.18231355	3.0802792	21	7 1.7	19.4
299959 2006 TM_{76}	15.6	X	311.94131	94.13272	295.27399	9.20272	0.1898801	0.19053789	2.9909913	21	8 25.5	19.1
299960 2006 TY_{77}	16.1	X	242.82923	61.75955	343.62519	5.90425	0.0825214	0.18284275	3.0743328	21	7 2.2	20.7
299961 2006 TU_{78}	15.3	X	295.56331	351.25065	20.36328	10.61951	0.1223828	0.18574332	3.0422431	21	7 22.6	19.5
299962 2006 TV_{78}	15.6	X	336.18706	317.57557	13.54485	5.50981	0.0629352	0.18590754	3.0404513	21	8 4.6	19.5
299963 2006 TH_{79}	15.8	X	316.85706	114.92012	217.07100	14.99712	0.1364837	0.18157125	3.0886687	21	6 24.9	20.0
299964 2006 TQ_{79}	15.8	X	256.60319	105.22219	248.02838	9.27902	0.1042965	0.17560564	3.1582299	21	5 9.7	20.5
299965 2006 TK_{81}	16.1	X	153.87494	183.87528	11.86477	9.20241	0.0615157	0.19120061	2.9840760	21	10 1.1	20.6
299966 2006 TS_{82}	15.4	X	77.39698	196.64849	13.38401	11.36404	0.0347979	0.18050677	3.1007997	21	7 19.0	19.9
299967 2006 TS_{90}	16.0	X	155.12383	127.09914	338.23013	2.39306	0.0764342	0.17219955	3.1997402	21	6 11.1	20.8
299968 2006 TV_{90}	15.7	X	274.03977	307.34454	39.77382	13.16873	0.1362416	0.17643487	3.1483265	21	5 16.9	20.2
299969 2006 TL_{93}	15.9	X	3.16665	248.37097	21.75347	11.17248	0.0416990	0.17903730	3.1177434	21	6 22.3	20.3
299970 2006 TG_{95}	16.3	X	190.07198	255.70810	187.44822	4.92699	0.1106835	0.17803647	3.1294167	21	6 20.6	21.3
299971 2006 TS_{95}	16.3	X	315.06995	324.83602	23.00989	5.99272	0.2279992	0.18736678	3.0246444	21	7 2.1	19.9
299972 2006 TP_{96}	15.4	X	194.28658	149.28481	297.33755	8.60178	0.0740153	0.17827130	3.1266680	21	6 30.6	20.1
299973 2006 TG_{100}	16.3	X	301.07055	12.85273	350.25716	3.74376	0.1702429	0.18584656	3.0411164	21	7 9.4	20.2
299974 2006 TQ_{102}	16.3	X	296.10796	353.99383	16.90110	2.80066	0.0574309	0.18468669	3.0538356	21	7 29.6	20.4
299975 2006 TF_{110}	16.0	X	159.01246	274.64071	237.03928	8.55021	0.1389949	0.18111598	3.0938425	21	8 10.6	21.1
299976 2006 TT_{111}	16.3	X	268.71237	186.93732	152.70223	11.05462	0.2171251	0.17832972	3.1259850	21	4 27.2	21.3
299977 2006 TA_{112}	15.9	X	220.38916	342.11489	83.54430	11.43849	0.0862071	0.18041339	3.1018696	21	7 1.4	20.6
299978 2006 TH_{112}	15.7	X	78.04335	93.60580	83.49353	12.84607	0.0735291	0.17445298	3.1721262	21	6 10.2	20.0
299979 2006 TT_{119}	15.6	X	291.55956	96.93665	190.66534	24.60477	0.3250148	0.17308380	3.1888329	21	2 28.6	20.8
299980 2006 TD_{121}	15.8	X	30.58024	144.45757	138.17506	12.84348	0.2003791	0.18860975	3.0113412	21	9 9.0	19.3
299981 2006 TM_{121}	16.3	X	335.80617	79.30042	195.63070	9.32454	0.0346676	0.17392577	3.1785332	21	5 23.3	20.7
299982 2006 TC_{124}	15.8	X	40.72883	222.70847	60.61329	7.61284	0.1936321	0.19126735	2.9833817	21	9 27.4	19.6
299983 2006 TW_{125}	16.5	X	353.02414	277.06279	31.08283	3.09862	0.3192622	0.18888157	3.0084513	21	7 25.6	18.5
299984 2006 TC_{126}	17.5	X	281.87725	5.66643	15.93718	1.25286	0.2038328	0.18351412	3.0668301	21	7 1.4	21.8
299985 2006 UQ_8	15.5	X	201.58864	219.04059	230.26944	15.40089	0.2254447	0.17573463	3.1566843	21	7 3.1	21.1
299986 2006 UN_9	15.8	X	169.30818	275.64221	212.89621	9.06108	0.1781428	0.17658632	3.1465262	21	7 24.3	21.2
299987 2006 UW_{11}	16.1	X	281.58853	267.88881	81.08195	2.84987	0.0781955	0.17898472	3.1183540	21	6 7.5	20.3
299988 2006 UT_{13}	16.5	X	229.08913	271.89683	134.67548	2.05330	0.1378031	0.17713889	3.1399792	21	6 13.0	21.5
299989 2006 UF_{14}	16.8	X	284.45787	352.31231	64.54353	4.82622	0.2520721	0.18757958	3.0223564	21	8 14.2	20.8
299990 2006 UE_{15}	15.4	X	295.41990	154.20399	206.88502	9.20097	0.0719101	0.18141768	3.0904115	21	7 10.9	19.8
299991 2006 UV_{15}	15.6	X	342.72063	248.89235	64.20913	10.74769	0.0415266	0.18062117	3.0994903	21	7 21.8	19.9
299992 2006 UY_{15}	15.9	X	205.26065	273.69038	164.24738	3.16196	0.1007831	0.17641686	3.1485408	21	6 29.7	20.8
299993 2006 US_{19}	16.3	X	275.98776	47.28009	15.49827	9.95380	0.0972175	0.18989161	2.9977739	21	9 5.1	20.4
299994 2006 UK_{20}	17.4	X	208.77425	144.90407	289.31574	1.86782	0.2404237	0.17809072	3.1287812	21	6 22.7	22.8
299995 2006 UJ_{24}	16.7	X	241.91045	57.45401	335.38432	2.04277	0.1001305	0.17941804	3.1133311	21	6 12.6	21.4
299996 2006 UL_{26}	16.4	X	217.55490	84.39456	347.19566	1.02802	0.1751744	0.17940283	3.1135070	21	6 30.0	21.4
299997 2006 UE_{27}	16.3	X	151.72827	267.32733	224.16668	1.74926	0.0315731	0.18002825	3.1062920	21	7 7.3	20.7
299998 2006 UU_{28}	16.1	X	339.08227	89.53244	212.43693	9.90610	0.1221096	0.18343301	3.0677341	21	6 23.7	20.0
299999 2006 UE_{30}	16.0	X	79.52070	47.19509	214.90841	9.70487	0.0686701	0.19324916	2.9629499	21	9 27.1	20.2
300000 2006 UW_{30}	16.8	X	293.71542	304.96506	31.17083	1.40251	0.1773740	0.18129414	3.0918153	21	5 22.6	21.1