Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
300001 2006 UA_{35}	16.6	X	36.04670	354.06482	214.28620	1.77338	0.0102086	0.17344266	3.1844329	21	5 17.7	20.9
300002 2006 US_{35}	16.0	X	350.73547	132.62433	229.38754	8.37582	0.0456115	0.19298674	2.9656352	21	10 2.0	20.1
300003 2006 UK_{37}	16.6	X	245.79798	74.87533	331.32726	0.61777	0.1761401	0.18041799	3.1018169	21	6 25.6	21.2
300004 2006 UC_{40}	16.6	X	12.75364	75.09564	232.03664	2.18303	0.2299273	0.19146828	2.9812942	21	9 9.7	19.6
300005 2006 UQ_{40}	15.5	X	333.60826	71.42761	227.52081	9.84763	0.0979702	0.17886041	3.1197986	21	6 13.4	19.5
300006 2006 UY_{42}	15.7	X	164.44203	84.67687	50.67779	8.56593	0.0660322	0.17946909	3.1127407	21	7 31.1	20.5
300007 2006 UU_{47}	15.5	X	342.91615	341.04009	268.92490	8.41473	0.1735604	0.18011520	3.1052922	21	4 12.1	19.3
300008 2006 UC_{50}	15.4	X	94.85913	221.71440	3.88140	10.54351	0.0701599	0.18832226	3.0144051	21	9 4.3	19.7
300009 2006 UA_{53}	16.2	X	347.01174	250.63847	70.09564	1.87358	0.1793957	0.18736084	3.0247083	21	8 2.3	19.4
300010 2006 UA_{54}	16.0	X	326.14001	114.00005	224.51072	8.77085	0.1005364	0.18291004	3.0735788	21	7 22.1	20.0
300011 2006 UC_{68}	15.7	X	208.46701	7.85287	74.19332	10.47499	0.1788796	0.17902004	3.1179438	21	7 4.4	20.9
300012 2006 UN_{68}	16.5	X	9.80243	208.80374	115.82730	3.80628	0.2776460	0.19557581	2.9394040	21	10 9.5	19.2
300013 2006 UG_{72}	16.6	X	35.28967	73.40663	292.13624	1.02937	0.2499998	0.20972338	2.8056801	21	—	—
300014 2006 UG_{73}	16.1	X	247.59438	71.15322	6.10085	10.57247	0.0585213	0.18720043	3.0264360	21	8 23.9	20.5
300015 2006 UQ_{73}	15.8	X	211.20970	94.77111	353.74173	7.13224	0.0903781	0.18228824	3.0805644	21	7 21.8	20.5
300016 2006 UO_{74}	16.5	X	199.66950	178.09394	264.35295	3.79357	0.1171061	0.17892543	3.1190428	21	6 29.0	21.3
300017 2006 UU_{78}	15.5	X	347.32840	72.38391	234.80502	8.42237	0.0738498	0.18432267	3.0578549	21	7 15.9	19.5
300018 2006 UZ_{79}	16.4	X	198.38725	232.04823	196.31146	10.05119	0.0532259	0.17703016	3.1412648	21	6 12.7	21.2
300019 2006 UU_{84}	16.6	X	241.72729	52.39722	55.24933	2.67345	0.0573618	0.18847930	3.0127305	21	9 22.1	20.9
300020 2006 UM_{85}	16.0	X	262.63636	354.49225	51.39875	6.18235	0.1482356	0.18141303	3.0904643	21	7 18.0	20.5
300021 2006 UV_{86}	16.3	X	224.00954	168.46766	237.77679	4.01795	0.1862050	0.17560473	3.1582408	21	6 4.5	21.5
300022 2006 UE_{89}	15.8	X	120.38611	186.90181	39.58455	8.90440	0.0560786	0.18997648	2.9968809	21	10 3.8	20.2
300023 2006 UD_{91}	16.3	X	284.79664	301.72744	62.72499	1.76057	0.1882266	0.18132044	3.0915163	21	6 15.1	20.4
300024 2006 UZ_{91}	16.6	X	312.76071	235.06222	135.36277	1.36340	0.2413785	0.18960278	3.0008175	21	7 26.9	19.8
300025 2006 UL_{92}	16.4	X	144.94335	308.91890	190.34911	4.51955	0.0873692	0.17828443	3.1265144	21	7 12.4	21.2
300026 2006 UO_{97}	16.5	X	248.49300	229.54002	177.79846	3.74603	0.2151792	0.18139038	3.0907216	21	6 25.6	21.3
300027 2006 UK_{98}	15.8	X	186.85978	323.12702	203.65108	12.91612	0.0847701	0.19077623	2.9884997	21	9 28.4	20.4
300028 2006 UT_{98}	15.6	X	217.08586	244.44421	190.71530	8.21935	0.1281322	0.17916581	3.1162524	21	7 5.9	20.6
300029 2006 UM_{100}	15.9	X	282.24025	198.12996	197.71066	12.52064	0.0800207	0.18534297	3.0466224	21	8 4.5	20.3
300030 2006 UX_{101}	16.0	X	358.12913	131.01060	193.88897	10.27601	0.0539312	0.18745394	3.0237068	21	8 24.5	20.0
300031 2006 UC_{107}	16.5	X	285.68434	209.69799	136.38562	2.65330	0.1796058	0.17992879	3.1074365	21	5 25.7	21.0
300032 2006 UA_{109}	16.0	X	15.22747	115.11287	200.65498	9.01935	0.2215334	0.19165734	2.9793333	21	9 26.0	19.1
300033 2006 UG_{109}	16.2	X	270.81236	304.84290	69.63471	11.24757	0.0892960	0.17935660	3.1140421	21	6 24.6	20.7
300034 2006 UN_{113}	16.5	X	216.58519	267.42424	209.26382	7.71389	0.0670838	0.18896277	3.0075894	21	8 29.8	21.1
300035 2006 UN_{123}	16.5	X	349.22588	97.39033	154.17245	1.07073	0.1056795	0.17531671	3.1616989	21	5 6.2	20.2
300036 2006 UV_{123}	16.5	X	157.05508	291.91780	201.41584	10.97661	0.0722376	0.18088758	3.0964463	21	7 15.8	21.3
300037 2006 UL_{131}	15.8	X	310.61072	92.71863	226.84900	6.16509	0.0644565	0.17926429	3.1151110	21	6 10.6	20.0
300038 2006 UF_{132}	15.7	X	37.09046	304.03314	318.53717	4.10699	0.1280863	0.18658565	3.0330801	21	8 10.7	19.4
300039 2006 UT_{132}	16.9	X	341.74371	153.91552	208.45857	1.57266	0.1196693	0.19222045	2.9735118	21	9 20.9	20.4
300040 2006 UY_{133}	16.2	X	284.06520	223.82864	173.48194	1.06084	0.1947379	0.18619712	3.0372980	21	7 25.7	20.1
300041 2006 UR_{135}	16.1	X	337.69770	98.04871	206.90005	8.22351	0.2123925	0.18466228	3.0541047	21	6 16.8	19.4
300042 2006 UY_{135}	15.9	X	87.42746	9.15886	205.17248	9.71667	0.1431345	0.18204720	3.0832829	21	8 15.6	20.5
300043 2006 UT_{137}	15.6	X	328.38097	309.88868	26.56871	9.28681	0.1438471	0.18476808	3.0529387	21	7 24.4	19.4
300044 2006 UU_{137}	15.7	X	242.42555	33.21503	6.01508	5.33725	0.1528392	0.17818280	3.1277031	21	6 15.6	20.5
300045 2006 UQ_{139}	17.0	X	314.20014	279.38069	93.63821	3.05774	0.0926209	0.18582565	3.0413444	21	8 23.6	20.9
300046 2006 UQ_{140}	16.1	X	289.00484	24.20698	5.97972	4.73989	0.1660519	0.18527450	3.0473730	21	7 29.4	20.1
300047 2006 UB_{141}	16.4	X	300.91708	7.30459	1.07742	3.92982	0.1672839	0.18467951	3.0539148	21	7 17.0	20.2
300048 2006 UC_{141}	16.1	X	223.44453	181.67702	220.85578	9.42227	0.0727259	0.17392156	3.1785845	21	6 7.3	20.9
300049 2006 UB_{142}	16.3	X	330.72870	278.50754	26.30836	9.63256	0.1023814	0.17871093	3.1215381	21	6 15.4	20.3
300050 2006 UX_{166}	15.7	X	24.88800	85.36765	191.90041	11.04729	0.1120468	0.18658332	3.0331054	21	8 5.8	19.6
300051 2006 UU_{169}	16.5	X	259.12075	320.90938	137.71692	3.86119	0.0527645	0.19342687	2.9611348	21	10 3.8	20.5
300052 2006 UW_{169}	16.5	X	269.76735	232.16509	155.58542	4.18151	0.1392278	0.18347284	3.0672902	21	7 3.3	21.0
300053 2006 UG_{172}	15.4	X	267.79128	21.88014	39.24240	10.53165	0.0578319	0.18505249	3.0498098	21	8 30.5	19.8
300054 2006 UH_{173}	16.6	X	258.63367	232.23791	119.50571	2.37436	0.1871343	0.17435188	3.1733523	21	5 2.7	21.5
300055 2006 UQ_{178}	16.3	X	346.41366	300.58186	140.41772	7.21902	0.1602683	0.20557069	2.8433387	21	—	—
300056 2006 US_{181}	15.3	X	227.42856	282.42708	109.48343	10.53955	0.0921725	0.17511217	3.1641604	21	5 29.7	20.2
300057 2006 UF_{183}	15.5	X	347.78961	71.03839	256.00410	12.60857	0.1201439	0.19309202	2.9645572	21	8 8.4	19.2
300058 2006 US_{184}	15.5	X	330.39007	75.80147	266.28357	8.48844	0.0508716	0.18684227	3.0303023	21	8 6.3	19.6
300059 2006 UV_{186}	15.7	X	305.29617	13.46917	331.88971	16.27707	0.1005374	0.18573915	3.0422886	21	7 5.1	19.9
300060 2006 UO_{187}	17.0	X	278.14577	99.23264	280.79358	9.79552	0.3524830	0.18563804	3.0433932	21	6 5.0	21.7
300061 2006 UA_{189}	16.0	X	348.50430	41.64633	328.48960	9.07314	0.1169596	0.19643526	2.9308240	21	10 9.8	19.6
300062 2006 UR_{189}	15.3	X	297.59384	20.04804	318.54865	10.33374	0.1268321	0.18224952	3.0810006	21	6 7.3	19.6
300063 2006 UH_{193}	16.6	X	71.74983	291.05104	62.00706	0.65675	0.0836830	0.21287588	2.7779115	21	—	—
300064 2006 UJ_{194}	16.5	X	274.14890	306.86119	52.45652	1.19775	0.1846741	0.18078623	3.0976034	21	5 27.3	20.9
300065 2006 UJ_{196}	15.8	X	233.72433	206.02429	220.90092	12.35003	0.1115891	0.18111569	3.0938458	21	7 12.6	20.7
300066 2006 UM_{200}	17.7	X	302.16151	123.88361	223.09351	20.31909	0.0901045	0.38369537	1.8756207	21	6 25.2	19.7
300067 2006 UB_{201}	15.5	X	246.09105	197.36212	231.36385	16.38245	0.2148427	0.18198388	3.0839982	21	7 15.5	20.6
300068 2006 UF_{204}	15.4	X	7.38378	8.15002	302.61182	9.44478	0.1082113	0.18820744	3.0156310	21	8 22.5	19.2
300069 2006 UP_{204}	15.2	X	355.06327	308.67843	17.24863	9.99969	0.1044818	0.18771912	3.0208584	21	8 29.3	18.9
300070 2006 UA_{206}	15.3	X	80.64024	343.27406	209.86228	9.08577	0.0269597	0.17924724	3.1153085	21	6 26.4	19.7
300071 2006 UU_{206}	16.4	X	183.72718	312.48437	170.24925	1.43316	0.1309988	0.18151726	3.0892811	21	8 1.6	21.4
300072 2006 UV_{206}	15.8	X	170.09773	245.75674	209.49649	15.24741	0.0802757	0.17600822	3.1534122	21	6 14.5	20.8
300073 2006 UD_{207}	16.4	X	328.97435	259.94128	59.98231	3.84325	0.1805751	0.18573750	3.0423066	21	6 24.9	20.0
300074 2006 UQ_{207}	15.3	X	214.25107	73.50697	300.43570	12.19865	0.1669147	0.17229422	3.1985679	21	4 13.6	20.8
300075 2006 UV_{208}	15.9	X	266.29694	136.42066	209.99908	8.92979	0.0870478	0.17517972	3.1633470	21	5 16.1	20.4
300076 2006 UC_{211}	16.2	X	209.95198	58.05134	0.49763	4.55241	0.1896504	0.17454571	3.1710026	21	6 6.2	21.5
300077 2006 UC_{214}	15.9	X	264.70941	352.02678	37.42596	10.94092	0.0587116	0.17929483	3.1147572	21	7 12.5	20.5
300078 2006 UV_{214}	15.4	X	356.16810	273.88638	25.44544	10.91456	0.1182341	0.18296604	3.0729516	21	7 24.6	19.3
300079 2006 UF_{215}	16.7	X	295.10304	314.87638	26.40342	9.37891	0.0895085	0.18029883	3.1031834	21	6 12.6	21.1
300080 2006 UR_{215}	15.8	X	235.08309	90.57232	343.94188	9.24976	0.0972517	0.18216916	3.0819067	21	7 30.3	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
300081 2006 UB_{217}	16.1	X	312.36217	225.79415	158.16612	13.86856	0.2800544	0.18901965	3.0069860	21	8 6.4	19.4
300082 Moyocoanno	15.6	X	176.43715	122.73723	353.33189	9.82106	0.0660681	0.17889135	3.1194389	21	7 20.2	20.4
300083 2006 UO_{218}	15.4	X	176.75030	238.55916	199.21349	15.44236	0.1015668	0.17501984	3.1652731	21	6 1.6	20.5
300084 2006 UF_{223}	15.3	X	155.56182	246.32255	232.15561	12.54052	0.2622294	0.17413092	3.1760362	21	7 3.9	21.0
300085 2006 UF_{226}	15.5	X	220.55007	90.27607	5.05669	15.27900	0.0656304	0.18649934	3.0340159	21	8 16.3	20.1
300086 2006 UK_{227}	16.2	X	294.35231	328.35765	92.12833	3.15185	0.1229487	0.19310021	2.9644733	21	9 22.8	20.0
300087 2006 UX_{228}	16.0	X	279.17215	244.13455	196.31288	9.93347	0.2285806	0.18860229	3.0114205	21	9 6.2	20.1
300088 2006 UB_{232}	15.9	X	29.77338	239.86133	48.41985	2.54017	0.0825780	0.18383729	3.0632349	21	8 29.2	19.8
300089 2006 UV_{232}	15.5	X	6.84686	21.40043	273.32191	8.46003	0.0671357	0.18480598	3.0525213	21	7 29.4	19.4
300090 2006 UQ_{234}	15.7	X	239.18582	122.75492	284.39720	3.80566	0.1647690	0.17277367	3.1926478	21	6 21.4	20.7
300091 2006 UT_{237}	16.0	X	205.44862	224.93792	200.75367	10.84991	0.1035087	0.17754595	3.1351780	21	6 14.8	21.1
300092 2006 UB_{239}	16.0	X	150.43920	141.25385	17.36983	7.14457	0.0807538	0.18241843	3.0790985	21	8 14.9	20.7
300093 2006 UE_{244}	16.6	X	280.44560	172.18275	219.26626	1.03386	0.0868171	0.18620573	3.0372044	21	7 29.6	20.7
300094 2006 UC_{248}	16.0	X	297.97388	75.43761	217.59436	11.39508	0.2102912	0.17556498	3.1587175	21	3 28.5	20.5
300095 2006 UL_{252}	16.9	X	212.53676	71.84219	46.61181	2.20471	0.1626883	0.18423755	3.0587968	21	8 23.4	21.9
300096 2006 UB_{255}	15.9	X	282.16985	317.00993	59.80801	2.90828	0.1505654	0.18262615	3.0767632	21	7 3.6	20.2
300097 2006 UM_{256}	16.7	X	7.72491	146.38701	193.19806	5.86876	0.0931410	0.19524155	2.9427581	21	10 3.2	20.1
300098 2006 UB_{260}	16.1	X	124.48236	276.98239	204.20419	3.37605	0.1189121	0.17071426	3.2182728	21	6 1.9	21.0
300099 2006 UU_{264}	16.0	X	333.70698	66.79373	199.73523	10.17185	0.1103680	0.17696109	3.1420820	21	5 1.5	19.9
300100 2006 UY_{264}	16.3	X	181.85125	66.19957	21.88450	1.13328	0.0951483	0.17776031	3.1326570	21	6 18.5	21.1
300101 2006 UV_{265}	15.8	X	261.35125	65.09465	303.19608	3.61107	0.1602485	0.17895234	3.1187301	21	5 26.9	20.4
300102 2006 UU_{269}	18.0	X	297.05740	116.06213	231.36302	18.87828	0.1043839	0.38244202	1.8797163	21	6 15.5	19.7
300103 2006 UW_{269}	15.6	X	198.05962	87.36482	21.96949	10.59831	0.0389453	0.18103467	3.0947688	21	8 7.8	20.3
300104 2006 UP_{273}	16.1	X	200.23293	44.59051	37.74538	6.92196	0.1549682	0.17514479	3.1637675	21	6 28.4	21.3
300105 2006 UX_{279}	16.3	X	345.01379	220.34410	69.52283	2.29730	0.1540936	0.18034876	3.1026106	21	6 15.8	19.6
300106 2006 UV_{282}	15.8	X	289.05854	93.43803	229.22459	7.96747	0.0451142	0.17472868	3.1687885	21	5 19.8	20.1
300107 2006 UY_{285}	15.2	X	333.67048	88.77390	217.77398	8.99747	0.0465418	0.17898872	3.1183075	21	6 27.3	19.4
300108 2006 UO_{286}	16.1	X	27.78612	49.14958	222.88201	3.71290	0.1011041	0.18341479	3.0679373	21	8 3.7	20.1
300109 2006 UW_{321}	15.6	X	269.31780	254.06294	133.23573	19.47969	0.2974637	0.18314416	3.0709589	21	6 15.1	20.7
300110 2006 UX_{321}	15.5	X	241.78214	298.45374	108.16226	19.92521	0.2573515	0.18100615	3.0950939	21	6 16.9	20.7
300111 2006 UN_{329}	15.4	X	292.85086	348.53573	10.94236	13.14936	0.1288735	0.18102373	3.0948935	21	6 29.3	19.8
300112 2006 UL_{330}	16.1	X	28.21602	67.94158	159.51343	12.35330	0.1135147	0.17650764	3.1474612	21	6 9.3	20.2
300113 2006 UV_{331}	16.9	X	264.76829	222.86222	182.33834	8.88624	0.0362780	0.18843277	3.0132264	21	8 1.8	21.3
300114 2006 UL_{335}	15.3	X	268.98944	250.91775	121.19482	10.71159	0.1096408	0.17929887	3.1147105	21	6 17.6	19.8
300115 2006 UG_{337}	16.1	X	275.96175	254.99249	104.00956	15.55023	0.3337476	0.18084293	3.0969559	21	5 15.9	21.3
300116 2006 UO_{345}	15.6	X	42.23489	355.93746	244.69221	8.11324	0.0228524	0.17493755	3.1662656	21	7 6.2	20.0
300117 2006 UQ_{346}	16.8	X	239.66394	247.87528	180.17245	11.54748	0.3242473	0.17991540	3.1075908	21	7 3.0	22.4
300118 2006 UH_{359}	16.4	X	321.98250	159.94489	192.27777	9.20188	0.1042465	0.18717961	3.0266604	21	8 2.9	20.4
300119 2006 UK_{360}	15.9	X	332.05518	15.41902	331.39782	10.91425	0.1141682	0.18817267	3.0160024	21	8 15.1	19.4
300120 2006 VO_{2}	15.9	X	199.89642	80.23309	328.43509	3.88311	0.1808846	0.17240987	3.1971373	21	5 16.7	21.2
300121 2006 VN_{4}	15.6	X	273.90893	298.91238	47.76340	13.41634	0.2226620	0.17756028	3.1350093	21	5 7.0	20.2
300122 2006 VW_{7}	15.4	X	292.17588	123.84593	237.64449	12.33579	0.2605047	0.18324188	3.0698670	21	6 9.8	19.7
300123 2006 VE_{12}	15.5	X	142.08481	300.89605	224.96617	8.90719	0.0112433	0.17993350	3.1073823	21	8 3.9	20.1
300124 2006 VG_{14}	16.0	X	207.73478	79.60219	340.38223	8.60232	0.0791868	0.17497804	3.1657772	21	6 10.5	20.9
300125 2006 VS_{20}	16.2	X	261.30279	80.56659	314.45761	0.64533	0.1092510	0.18015712	3.1048105	21	7 6.8	20.5
300126 2006 VC_{25}	15.6	X	248.66447	348.10617	65.59659	11.65450	0.0266978	0.18030548	3.1031071	21	7 28.9	20.1
300127 2006 VF_{32}	16.1	X	49.14167	8.51468	194.78361	0.80893	0.1216690	0.17418318	3.1754009	21	6 10.0	20.1
300128 Panditjasraj	16.6	X	331.25413	299.52327	39.14757	0.92086	0.0589389	0.18561621	3.0436318	21	8 5.8	20.4
300129 2006 VZ_{37}	16.9	X	249.92002	154.03091	234.53013	4.00274	0.1902362	0.17852916	3.1236565	21	6 6.7	21.7
300130 2006 VH_{48}	16.8	X	292.54926	124.37399	207.50347	7.11211	0.1990747	0.17929754	3.1147258	21	5 13.6	21.2
300131 2006 VU_{50}	15.2	X	296.13479	299.40278	64.63149	19.00973	0.2209109	0.18154463	3.0889707	21	6 23.2	19.5
300132 2006 VY_{50}	15.5	X	297.71919	65.23386	256.54869	25.64450	0.2593177	0.17553743	3.1590480	21	4 24.2	20.4
300133 2006 VF_{51}	16.6	X	270.34520	59.69068	1.09579	0.73186	0.2444182	0.18313690	3.0710400	21	7 31.9	21.1
300134 2006 VJ_{52}	15.4	X	283.93939	78.38460	254.04498	15.82232	0.1419012	0.17549545	3.1595518	21	5 10.1	20.0
300135 2006 VX_{54}	16.5	X	279.65187	342.89571	76.08838	1.83859	0.1410459	0.18627366	3.0364660	21	8 26.4	20.5
300136 2006 VY_{55}	15.7	X	233.88615	359.06517	63.69811	11.95211	0.2139638	0.17863462	3.1224270	21	7 1.1	20.9
300137 2006 VG_{56}	16.6	X	255.83813	235.25075	142.90789	1.61888	0.1812589	0.17728046	3.1383073	21	5 31.9	21.4
300138 2006 VS_{58}	16.0	X	231.61528	349.20196	102.65530	4.73859	0.0617781	0.18234859	3.0798846	21	8 20.2	20.5
300139 2006 VU_{58}	16.1	X	83.74839	220.58390	350.22840	2.87645	0.0507599	0.18372237	3.0645122	21	7 28.4	20.3
300140 2006 VB_{61}	16.2	X	307.56095	135.97709	258.13037	0.96990	0.0816040	0.18738716	3.0244251	21	9 10.1	20.1
300141 2006 VV_{61}	16.2	X	235.86674	5.91279	15.09163	1.02517	0.2108644	0.17390524	3.1787834	21	5 13.7	21.5
300142 2006 VW_{61}	15.6	X	49.71009	218.94847	58.18558	10.34212	0.0267190	0.18388967	3.0626532	21	9 8.9	20.0
300143 2006 VY_{61}	16.0	X	288.68943	325.12725	27.97612	0.80937	0.1884006	0.17942329	3.1132703	21	6 5.5	20.1
300144 2006 VW_{62}	16.5	X	214.72829	54.08919	50.10334	0.04547	0.1377059	0.17942163	3.1132896	21	8 8.7	21.3
300145 2006 VO_{63}	16.4	X	234.16812	7.03173	58.18829	2.73559	0.2355135	0.17821918	3.1272775	21	7 2.9	21.6
300146 2006 VJ_{67}	15.8	X	208.35637	190.56271	249.93284	5.45263	0.0631817	0.17571407	3.1569305	21	7 7.8	20.5
300147 2006 VE_{68}	16.4	X	257.15354	308.81883	70.39936	2.37462	0.1938886	0.17671943	3.1449460	21	6 1.9	21.3
300148 2006 VX_{73}	15.2	X	212.02689	209.13948	244.12223	10.86862	0.0787433	0.17788605	3.1311807	21	7 24.3	20.1
300149 2006 VU_{80}	16.2	X	321.48648	217.49029	106.50642	3.14721	0.1785103	0.18013031	3.1051185	21	6 17.6	19.8
300150 2006 VN_{81}	16.0	X	181.72666	250.86009	208.73062	4.59622	0.1834453	0.17236895	3.1976433	21	7 1.9	21.4
300151 2006 VR_{84}	15.6	X	243.97490	73.34333	7.52205	11.92053	0.1543531	0.18316434	3.0707333	21	8 12.9	20.4
300152 2006 VO_{85}	16.6	X	275.33133	38.96137	46.28980	4.89250	0.2092005	0.18936006	3.0033812	21	9 14.9	20.6
300153 2006 VP_{85}	16.1	X	223.66220	46.85307	33.97108	1.73534	0.1478904	0.17973999	3.1096123	21	7 19.4	20.9
300154 2006 VW_{89}	16.1	X	226.84026	343.02959	51.55921	5.53970	0.1368100	0.17277998	3.1925701	21	5 26.8	21.0
300155 2006 VZ_{91}	15.9	X	127.52391	126.78321	27.50547	9.54387	0.0277165	0.17664346	3.1458475	21	7 7.9	20.5
300156 2006 VP_{96}	16.0	X	234.63004	193.60465	224.70056	3.70862	0.1642769	0.17588210	3.1549195	21	6 30.3	21.0
300157 2006 VW_{96}	15.9	X	245.43285	150.01326	235.07877	4.24947	0.1819222	0.17383911	3.1795895	21	5 30.0	20.9
300158 2006 VB_{97}	16.9	X	288.44100	33.84647	5.37177	1.80750	0.1428306	0.18860917	3.0113473	21	8 12.3	20.9
300159 2006 VW_{121}	16.0	X	259.63601	59.67150	26.63426	10.52929	0.0842912	0.18877057	3.0096306	21	9 16.2	20.2
300160 2006 VV_{126}	15.3	X	300.86495	87.40760	250.38158	14.31747	0.1070133	0.17886689	3.1197234	21	6 14.3	19.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
300161 2006 VU_{131}	15.5	X	245.78408	137.62632	234.59147	11.23189	0.1147023	0.17332195	3.1859112	21	5 21.2	20.3
300162 2006 VG_{135}	15.6	X	222.52874	142.51178	252.95930	4.55916	0.0644980	0.17206913	3.2013568	21	5 28.9	20.3
300163 2006 VW_{139}	16.2	X	315.47080	280.45002	83.18240	3.23886	0.2014748	0.18497544	3.0506567	21	7 29.2	19.6
300164 2006 VE_{140}	16.7	X	246.15935	209.71827	185.01264	1.30196	0.1878106	0.17670654	3.1450989	21	6 10.8	21.6
300165 2006 VW_{140}	16.6	X	254.85561	236.57935	192.87248	1.96450	0.1832060	0.18143817	3.0901789	21	8 1.7	21.3
300166 2006 VQ_{142}	15.5	X	303.67042	263.85845	77.68655	6.37276	0.1455233	0.18047470	3.1011671	21	6 17.7	19.4
300167 2006 VM_{143}	15.5	X	343.05146	5.58125	239.35601	4.50786	0.0620533	0.17134849	3.2103265	21	4 20.8	19.7
300168 2006 VA_{144}	16.0	X	304.01452	15.13586	354.91504	11.13637	0.2294309	0.18699530	3.0286488	21	7 16.2	19.9
300169 2006 VC_{146}	15.5	X	313.65287	38.95498	338.84675	9.69360	0.1646745	0.18881485	3.0091600	21	8 20.7	19.0
300170 2006 VB_{151}	15.2	X	153.11674	184.67043	268.22136	10.91075	0.0902888	0.16990500	3.2284838	21	5 25.1	20.2
300171 2006 VS_{151}	15.2	X	288.50313	292.95290	34.98822	20.28063	0.1703430	0.17613037	3.1519541	21	5 4.8	19.8
300172 2006 VS_{168}	16.0	X	355.63660	256.67152	69.06872	14.68604	0.1553836	0.18878817	3.0094435	21	9 4.4	19.7
300173 2006 WT	17.2	X	247.67244	154.09493	233.25936	20.90595	0.0457334	0.37731339	1.8967113	21	6 12.1	19.2
300174 2006 WM_{11}	14.8	X	264.49051	91.92145	259.93961	20.62072	0.1182197	0.17210754	3.2008804	21	5 15.2	19.7
300175 2006 WV_{20}	15.9	X	155.63653	266.57469	210.62558	6.83259	0.1037319	0.17130124	3.2109167	21	6 27.5	20.9
300176 2006 WG_{26}	15.5	X	230.73740	137.79155	257.19771	8.46093	0.0719070	0.17320691	3.1873217	21	6 5.9	20.1
300177 2006 WD_{33}	15.9	X	245.04388	271.95135	76.43832	10.04562	0.0899235	0.16949833	3.2336456	21	4 27.2	20.8
300178 2006 WV_{36}	15.7	X	305.36119	206.39711	89.06695	9.68928	0.0639442	0.16993707	3.2280776	21	5 7.1	20.2
300179 2006 WY_{36}	15.9	X	184.45906	346.14637	82.68296	12.92868	0.0644566	0.17076707	3.2176092	21	5 29.7	20.7
300180 2006 WX_{42}	15.9	X	193.18200	237.12913	211.51637	10.73307	0.1169902	0.17409046	3.1765283	21	6 29.2	21.1
300181 2006 WK_{45}	16.2	X	168.32471	258.75975	199.28228	8.87842	0.0546641	0.17554258	3.1589862	21	6 15.8	21.0
300182 2006 WJ_{53}	15.5	X	270.72863	235.23686	146.53739	17.22739	0.2338161	0.18068739	3.0987329	21	6 16.5	20.4
300183 2006 WZ_{58}	15.5	X	285.86179	280.49747	34.02832	11.72384	0.1499559	0.17121290	3.2120211	21	4 20.9	20.1
300184 2006 WK_{61}	15.5	X	235.62077	323.92136	90.99163	11.65474	0.1495353	0.17700345	3.1415807	21	6 28.7	20.3
300185 2006 WB_{62}	16.2	X	244.09807	235.91245	156.61672	16.94568	0.2505936	0.17744585	3.1363569	21	6 3.5	21.7
300186 2006 WG_{64}	15.8	X	323.97999	305.61012	37.13655	10.76560	0.0523169	0.18140707	3.0905320	21	8 4.8	20.1
300187 2006 WK_{65}	16.2	X	299.27772	343.62936	34.53562	11.64173	0.1397512	0.18411504	3.0601535	21	8 4.6	20.3
300188 2006 WD_{70}	16.1	X	142.73131	112.94518	10.39685	4.40957	0.1353562	0.17465423	3.1696889	21	6 24.5	21.2
300189 2006 WU_{71}	16.5	X	139.62857	191.79818	13.83450	2.06575	0.0126095	0.18836765	3.0139208	21	9 24.6	20.6
300190 2006 WV_{75}	15.5	X	326.38477	222.05846	68.73476	6.23849	0.1496190	0.17415359	3.1757607	21	5 16.8	19.3
300191 2006 WQ_{86}	16.0	X	253.07824	137.46712	255.90943	8.45675	0.2161353	0.17762871	3.1342041	21	6 12.9	21.0
300192 2006 WW_{87}	15.8	X	290.03681	239.97122	84.16032	11.16282	0.2272251	0.17620215	3.1510980	21	4 30.4	20.4
300193 2006 WH_{92}	16.1	X	284.45101	183.23806	163.62038	1.73352	0.1245406	0.17700040	3.1416169	21	6 2.0	20.5
300194 2006 WC_{95}	15.7	X	268.52763	128.29954	225.98216	10.19374	0.1535357	0.17602503	3.1532114	21	5 19.4	20.3
300195 2006 WO_{96}	15.2	X	333.63276	241.91492	57.70803	10.18945	0.0530240	0.17522163	3.1628426	21	6 17.9	19.4
300196 2006 WZ_{96}	16.8	X	215.58953	188.24504	246.85196	0.80918	0.1957394	0.17632791	3.1495995	21	7 1.3	22.0
300197 2006 WX_{99}	15.7	X	298.91548	294.92453	84.35048	9.31701	0.1383166	0.18694722	3.0291681	21	8 3.2	19.7
300198 2006 WH_{100}	16.3	X	259.40549	280.59042	151.32017	6.02444	0.1830224	0.18525571	3.0475790	21	8 10.2	20.8
300199 2006 WK_{100}	15.9	X	294.95620	251.15283	111.23326	6.96315	0.1738973	0.18385309	3.0630594	21	6 28.3	19.9
300200 2006 WS_{100}	15.5	X	256.51346	114.52273	253.12026	8.05003	0.0999318	0.17545379	3.1600519	21	5 28.7	20.0
300201 2006 WG_{101}	16.0	X	319.06838	117.38470	260.81343	9.44959	0.1315602	0.18817709	3.0159551	21	8 28.1	19.8
300202 2006 WE_{109}	16.3	X	292.44805	170.51575	189.30338	0.33215	0.1765868	0.17930102	3.1146856	21	6 21.1	20.5
300203 2006 WE_{111}	15.9	X	297.59980	121.58049	226.86905	4.20522	0.1707831	0.17880346	3.1204611	21	6 14.3	20.1
300204 2006 WR_{117}	15.6	X	282.02932	305.02081	70.97127	11.83563	0.2002557	0.18029843	3.1031880	21	6 24.4	20.1
300205 2006 WH_{125}	16.7	X	146.08603	22.20855	113.49493	0.72302	0.1331854	0.17519263	3.1631915	21	7 12.8	21.7
300206 2006 WW_{126}	16.2	X	345.86546	141.36327	190.69300	8.24303	0.2599670	0.18862130	3.0112182	21	8 10.1	19.0
300207 2006 WB_{137}	15.5	X	299.06593	266.81156	73.34985	13.39217	0.0387566	0.18037339	3.1023282	21	6 24.5	19.9
300208 2006 WF_{139}	15.9	X	256.57420	262.85236	83.99457	6.39124	0.2013829	0.17197937	3.2024706	21	4 25.0	21.0
300209 2006 WT_{151}	15.4	X	342.09305	260.23635	51.36447	16.88194	0.2589791	0.18333750	3.0687995	21	7 1.0	18.6
300210 2006 WB_{152}	16.4	X	91.05204	291.38622	231.53931	4.34031	0.1130759	0.16947584	3.2339317	21	6 14.6	21.1
300211 2006 WP_{152}	15.8	X	255.60493	249.10639	141.37115	7.12726	0.2565127	0.17903552	3.1177640	21	6 8.6	20.9
300212 2006 WZ_{153}	16.7	X	212.36916	17.72751	47.68539	0.51964	0.1783376	0.17722639	3.1389456	21	6 17.6	21.8
300213 2006 WC_{156}	15.4	X	342.69291	233.32710	79.28106	13.23002	0.0455267	0.18017632	3.1045899	21	7 20.3	19.6
300214 2006 WH_{174}	16.4	X	220.82728	349.53001	98.62128	2.60826	0.1422883	0.17775946	3.1326670	21	7 25.9	21.2
300215 2006 WC_{180}	16.3	X	304.59775	268.50369	81.07277	5.92285	0.2280666	0.18219018	3.0816696	21	6 16.7	20.0
300216 2006 WK_{180}	16.2	X	348.16429	229.78320	87.51037	3.56559	0.0970867	0.18126499	3.0921467	21	8 2.0	20.0
300217 2006 WK_{182}	15.6	X	287.09563	279.92850	73.47521	11.45503	0.1068949	0.17660465	3.1463084	21	6 15.8	19.8
300218 2006 WG_{187}	15.7	X	308.95683	263.28235	99.50009	11.45026	0.1108683	0.18311023	3.0713382	21	7 30.4	19.6
300219 2006 WN_{187}	15.4	X	314.10781	241.35566	113.86546	9.01646	0.1416933	0.18354535	3.0664822	21	7 23.2	19.2
300220 2006 WT_{191}	15.7	X	316.51887	260.79110	72.19276	6.28480	0.1814188	0.18064757	3.0991883	21	6 20.8	19.4
300221 Brucebills	15.7	X	220.13120	121.29397	285.10912	10.36704	0.1727597	0.17787409	3.1313210	21	6 1.3	20.9
300222 2006 XF_{6}	15.9	X	300.15743	289.17659	98.95872	11.42649	0.2474370	0.18565130	3.0432483	21	7 29.8	19.7
300223 2006 XK_{32}	16.2	X	221.16882	22.41223	40.24819	2.23892	0.0786915	0.17316242	3.1878676	21	6 29.4	20.9
300224 2006 XJ_{43}	15.3	X	284.34658	94.35868	254.75498	8.24809	0.0874748	0.17458610	3.1705135	21	6 10.0	19.7
300225 2006 XN_{44}	15.3	X	234.82796	113.25507	274.56690	12.04682	0.0723936	0.17016705	3.2251685	21	6 1.4	20.2
300226 Francocanepari	15.8	X	242.31801	110.97560	310.05622	10.74991	0.2314501	0.17621035	3.1510002	21	7 6.3	20.9
300227 2006 XA_{52}	15.1	X	254.86014	322.86572	78.75892	18.94903	0.1864480	0.17779475	3.1322524	21	6 27.3	19.9
300228 2006 XN_{54}	16.2	X	298.84898	101.49413	293.49929	7.49549	0.2738555	0.18581784	3.0414296	21	7 30.6	20.0
300229 2006 XF_{73}	16.1	X	219.13541	62.71352	348.00409	4.37853	0.1343126	0.17135585	3.2102345	21	6 8.0	21.2
300230 2006 YZ	15.5	X	309.55212	55.50662	266.89231	4.94413	0.1373570	0.17349467	3.1837964	21	6 2.5	19.7
300231 2006 YV_{3}	16.4	X	230.01254	203.27054	209.50046	4.28706	0.1680362	0.17578274	3.1561083	21	6 19.0	21.4
300232 2006 YL_{5}	16.0	X	232.99774	90.37267	298.16555	3.40613	0.1646458	0.17252561	3.1957074	21	5 23.1	21.2
300233 2006 YX_{8}	15.5	X	263.48823	302.03608	87.96632	11.22181	0.2423791	0.17732105	3.1378284	21	6 16.3	20.2
300234 2006 YH_{16}	16.7	X	299.48672	78.40806	297.53725	4.01254	0.2925879	0.18459786	3.0548152	21	7 3.9	20.7
300235 2006 YT_{17}	15.1	X	185.35828	218.16709	240.90027	14.67856	0.0818625	0.17856356	3.1232553	21	7 3.6	20.1
300236 2006 YM_{39}	15.7	X	278.67489	246.54787	96.26975	11.01171	0.2275590	0.17720668	3.1391783	21	5 10.1	20.5
300237 2006 YD_{45}	15.1	X	240.31990	325.02755	110.92585	16.53619	0.2104238	0.17732772	3.1377497	21	7 23.8	20.2
300238 2007 CM_{16}	16.2	X	143.04708	209.45276	294.64334	2.94675	0.1020021	0.16785779	3.2546807	21	7 18.0	21.1
300239 2007 CO_{25}	17.3	X	138.65200	81.31321	359.46934	19.93720	0.1005926	0.35850484	1.9624836	21	4 3.2	19.5
300240 2007 CP_{26}	17.6	X	127.24146	75.82064	3.00428	20.88041	0.1326692	0.35536947	1.9740098	21	3 25.2	19.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
300241 2007 CQ_{60}	16.9	X	38.45196	163.75814	354.21135	18.38572	0.0698139	0.35078661	1.9911656	21	2 21.1	18.6
300242 2007 DZ_{70}	14.1	X	17.96670	86.02230	157.62246	9.36327	0.1648772	0.08284775	5.2113338	21	6 18.7	20.3
300243 2007 DE_{117}	17.5	X	355.40613	188.60331	19.52658	20.19910	0.0414447	0.35228227	1.9855258	21	3 5.2	19.7
300244 2007 EY_{8}	14.0	X	28.69193	69.38898	175.17281	18.50849	0.1097656	0.08453593	5.1417209	21	7 1.1	20.6
300245 2007 EC_{20}	18.1	X	54.99300	122.66240	170.92049	4.06536	0.1855531	0.30799341	2.1715763	21	11 12.4	20.7
300246 2007 EE_{96}	18.1	X	67.06433	58.81306	184.25930	2.99424	0.1504754	0.29586221	2.2305385	21	9 9.3	20.7
300247 2007 EX_{111}	17.9	X	106.42366	211.76693	28.54135	5.66969	0.1258577	0.30385489	2.1912498	21	10 21.6	21.0
300248 2007 ED_{165}	17.7	X	166.29625	279.52282	293.73345	1.82414	0.1884606	0.31128959	2.1562196	21	11 14.7	20.9
300249 2007 EE_{218}	13.9	X	338.03530	98.25064	182.84304	8.48679	0.0557736	0.08168030	5.2608733	21	6 5.4	20.6
300250 2007 EF_{222}	13.0	X	313.67849	323.77939	1.83870	8.39435	0.0402389	0.08461355	5.1385758	21	6 27.3	19.8
300251 2007 FX_{26}	18.6	X	107.14240	86.40490	186.40263	1.62966	0.0715770	0.31157497	2.1549028	21	12 2.7	21.2
300252 2007 FN_{32}	17.6	X	94.97101	208.45073	40.94840	5.85534	0.1385645	0.30123061	2.2039580	21	10 22.7	20.7
300253 2007 GP_{7}	18.3	X	132.17416	45.52575	191.75733	5.02490	0.0817533	0.30934650	2.1652394	21	11 14.7	21.1
300254 2007 GH_{36}	18.2	X	26.55566	190.91891	108.38645	3.55760	0.1417612	0.29646368	2.2275206	21	9 30.9	20.3
300255 2007 GT_{47}	18.1	X	106.34138	57.22981	198.23259	1.93991	0.1397532	0.30260148	2.1972966	21	11 11.7	21.3
300256 2007 GV_{60}	17.7	X	46.55412	332.47068	279.63201	2.25642	0.2175364	0.29117276	2.2544238	21	9 2.2	20.0
300257 2007 GV_{75}	17.5	X	53.26224	53.92781	204.26873	7.86836	0.1268402	0.29251696	2.2475120	21	9 4.6	20.0
300258 2007 HT_{4}	17.7	X	315.51410	146.55266	152.94485	3.61216	0.2343132	0.27892113	2.3199668	21	4 17.4	20.1
300259 2007 HJ_{16}	17.7	X	359.17336	316.03181	310.80885	1.32619	0.2198594	0.28298274	2.2977146	21	5 31.1	18.9
300260 2007 HJ_{24}	17.6	X	357.94814	278.69733	61.21796	8.00944	0.0531843	0.29856546	2.2170543	21	10 4.2	19.9
300261 2007 HS_{25}	17.5	X	348.78328	241.86151	42.39798	3.41214	0.1694685	0.28538495	2.2848025	21	6 8.2	19.1
300262 2007 HQ_{31}	18.1	X	129.33333	216.69291	20.14681	3.60261	0.0954781	0.30591043	2.1814228	21	11 8.9	21.1
300263 2007 HS_{32}	17.7	X	43.47820	241.09069	9.39253	4.98873	0.1371069	0.29119073	2.2543310	21	8 13.9	20.0
300264 2007 HO_{35}	17.4	X	97.04532	45.53302	210.05254	6.84392	0.1607473	0.30003524	2.2098080	21	11 3.6	20.4
300265 2007 HF_{81}	17.9	X	20.57697	311.55253	34.73176	2.28968	0.1753614	0.30455598	2.1878857	21	12 5.5	20.0
300266 2007 HW_{88}	17.7	X	301.41804	129.73584	191.89279	5.54893	0.1282642	0.28271141	2.2991845	21	5 16.1	20.2
300267 2007 JR_{2}	17.7	X	71.97370	189.14320	63.41113	1.63008	0.1900959	0.29480880	2.2358487	21	10 6.1	20.5
300268 2007 JK_{5}	17.3	X	340.78084	334.01694	35.28611	8.62563	0.2022595	0.30273137	2.1966680	21	10 25.8	18.2
300269 2007 JE_{11}	17.0	X	319.36963	22.47917	233.13995	5.17868	0.1146656	0.27455215	2.3445139	21	3 8.1	19.8
300270 2007 JZ_{16}	17.5	X	341.70258	228.26311	73.17479	7.32809	0.1381817	0.28516176	2.2859945	21	6 25.1	19.2
300271 2007 JO_{26}	17.5	X	28.73691	23.96828	201.38877	7.69163	0.1082749	0.28230041	2.3014155	21	5 30.9	19.7
300272 2007 JK_{28}	17.8	X	17.44751	87.37238	219.37788	4.81137	0.1381116	0.29376330	2.2411505	21	9 20.4	19.9
300273 2007 JJ_{32}	17.4	X	303.48636	73.32271	187.11821	2.77370	0.2152245	0.27095515	2.3652176	21	2 9.5	20.7
300274 2007 JB_{40}	17.4	X	289.73210	121.24193	199.21826	6.34109	0.2496321	0.27535253	2.3399684	21	4 9.4	20.5
300275 2007 KR_{6}	18.3	X	31.56123	19.52326	216.75910	1.84956	0.1766795	0.28483419	2.2877469	21	7 1.0	20.0
300276 2007 KG_{8}	16.9	X	197.01738	110.21510	206.73375	22.47845	0.2773015	0.25629371	2.4545813	21	1 17.3	21.7
300277 2007 LR	17.3	X	267.23467	264.75160	105.03308	22.23557	0.2689377	0.27944764	2.3170519	21	5 25.6	21.2
300278 2007 LA_{21}	17.7	X	124.17341	46.12378	167.38160	4.67632	0.0802225	0.29894866	2.2151594	21	10 2.5	20.7
300279 2007 LU_{29}	16.6	X	246.22702	177.62769	132.49540	7.35236	0.1276664	0.26188311	2.4195303	21	2 25.1	20.1
300280 2007 MU_{2}	16.8	X	253.83499	215.27979	123.71717	7.46659	0.1236302	0.26813725	2.3817597	21	4 13.4	20.3
300281 2007 ME_{5}	16.9	X	261.73197	160.77512	200.77300	11.53014	0.3137530	0.27500954	2.3419137	21	4 29.9	20.7
300282 2007 MF_{11}	16.7	X	235.77170	284.59287	117.41567	7.20864	0.1129765	0.27521401	2.3407536	21	6 14.7	20.1
300283 2007 ML_{23}	17.6	X	262.75758	110.16741	196.65338	0.68488	0.1894203	0.26433047	2.4045726	21	3 3.0	21.3
300284 2007 NX_{2}	17.5	X	291.20205	230.62263	82.50229	3.72509	0.2211564	0.27170957	2.3608375	21	4 7.4	20.6
300285 2007 OU_{3}	16.7	X	283.30256	83.91470	221.51931	7.55267	0.2326922	0.26521361	2.3992317	21	3 14.5	20.5
300286 2007 OV_{4}	16.6	X	181.21996	271.52682	99.02765	7.55546	0.2333869	0.25451445	2.4660077	21	3 16.9	20.9
300287 2007 OA_{5}	16.3	X	225.45215	275.93786	21.48520	6.38523	0.1325561	0.25348624	2.4726717	21	1 22.0	20.2
300288 2007 OX_{5}	17.1	X	204.86622	260.33431	96.64046	7.32014	0.2171398	0.25706139	2.4496920	21	3 18.7	21.3
300289 2007 OM_{10}	17.3	X	158.49539	279.44081	159.81035	3.35723	0.0983204	0.26538553	2.3981953	21	5 10.7	20.7
300290 2007 PL_{1}	16.7	X	221.07971	2.19484	258.46650	4.79261	0.0851944	0.24401059	2.5362784	21	—	—
300291 2007 PN_{3}	17.2	X	237.27591	261.40158	100.56899	3.07808	0.2039062	0.26485192	2.4014155	21	4 18.4	21.0
300292 2007 PK_{6}	16.8	X	286.60201	352.31052	305.40176	5.98407	0.1086820	0.26508641	2.3999990	21	3 23.3	20.1
300293 2007 PN_{6}	16.6	X	213.94000	213.18895	141.25694	11.25953	0.2466502	0.25857109	2.4401475	21	3 21.8	20.9
300294 2007 PZ_{7}	15.6	X	63.50017	230.88133	114.95786	35.70452	0.3071892	0.22619988	2.6677255	21	—	—
300295 2007 PW_{8}	17.2	X	254.16065	71.39240	241.22255	3.54035	0.2069934	0.26129715	2.4231461	21	2 27.9	21.1
300296 2007 PD_{10}	17.0	X	211.82184	258.45429	120.37105	3.03922	0.2128352	0.26189557	2.4194535	21	4 17.6	21.0
300297 2007 PG_{10}	16.5	X	237.35876	193.79809	145.35717	7.39192	0.1454520	0.26174096	2.4204062	21	3 24.9	20.2
300298 2007 PV_{11}	16.9	X	252.14289	198.26583	94.51669	4.49225	0.1773993	0.25784247	2.4447423	21	2 6.9	20.7
300299 2007 PB_{12}	16.4	X	211.82908	197.17768	110.26600	6.34937	0.1338805	0.25116712	2.4878691	21	1 20.2	20.2
300300 TAM	17.1	X	184.94942	17.64858	0.60767	1.02188	0.1892230	0.25762554	2.4461145	21	3 23.9	21.1
300301 2007 PH_{15}	16.8	X	252.67221	207.86786	105.82115	2.37007	0.1968464	0.26066868	2.4270393	21	3 3.4	20.7
300302 2007 PC_{16}	17.0	X	295.63089	219.26113	71.85536	3.50033	0.1929313	0.26597051	2.3946776	21	3 18.9	20.2
300303 2007 PM_{18}	17.0	X	239.45814	37.51552	314.86405	4.81597	0.1779177	0.26426076	2.4049955	21	4 6.1	20.7
300304 2007 PY_{18}	16.8	X	289.87785	158.92253	136.32967	6.30304	0.1953196	0.26623242	2.3931069	21	3 17.4	20.1
300305 2007 PE_{19}	17.4	X	293.32066	60.34747	256.60882	1.11561	0.2012669	0.27022558	2.3694729	21	4 15.7	20.6
300306 2007 PA_{20}	17.3	X	252.02239	22.10902	302.23789	1.26421	0.1840875	0.26205767	2.4184557	21	3 15.1	21.2
300307 2007 PF_{21}	16.4	X	215.61474	9.10604	341.26833	6.57091	0.1568582	0.25697071	2.4502682	21	3 15.4	20.4
300308 2007 PP_{22}	16.6	X	223.12307	328.10060	1.38822	6.65965	0.2348388	0.25662831	2.4524472	21	2 25.8	20.7
300309 2007 PQ_{23}	16.9	X	276.03710	101.96232	272.09139	5.58622	0.1379827	0.27445103	2.3450898	21	6 22.4	19.8
300310 2007 PL_{26}	16.4	X	200.86664	351.35291	9.86122	13.11070	0.2122613	0.25799242	2.4437949	21	3 18.8	20.4
300311 2007 PE_{27}	17.4	X	175.58682	163.35740	210.40780	5.82902	0.1332231	0.25231683	2.4803058	21	3 5.5	21.3
300312 2007 PR_{28}	16.5	X	79.12326	288.12780	221.89182	5.87239	0.1427509	0.25920460	2.4361700	21	5 11.9	19.2
300313 2007 PA_{31}	16.5	X	251.77983	142.26110	164.59261	5.33013	0.1219970	0.26132187	2.4229933	21	2 25.6	19.9
300314 2007 PL_{32}	17.1	X	211.81440	244.63469	110.63444	2.46261	0.2049626	0.25771601	2.4455420	21	3 19.7	21.1
300315 2007 PE_{35}	17.2	X	279.61923	358.96394	0.75975	1.02565	0.1990000	0.27164437	2.3612153	21	5 28.1	20.1
300316 2007 PA_{36}	17.1	X	277.28034	43.23126	281.64928	5.80069	0.1307791	0.26699182	2.3885669	21	4 14.5	20.5
300317 2007 PT_{36}	16.8	X	321.93978	359.05053	262.52763	3.81132	0.2108157	0.26828381	2.3808922	21	3 5.9	19.8
300318 2007 PN_{44}	17.0	X	180.71016	27.52967	5.52737	3.86347	0.2162546	0.25731580	2.4480770	21	4 8.0	21.0
300319 2007 PE_{45}	17.2	X	298.92600	152.78311	144.26287	4.85076	0.1019735	0.26525927	2.3989563	21	4 14.1	20.2
300320 2007 PW_{49}	17.0	X	312.58249	70.38386	160.40675	11.16853	0.2337135	0.25839661	2.4412458	21	1 12.4	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
300321 2007 PK_{50}	17.6	X	219.91476	38.18649	338.20106	2.00841	0.2174917	0.26275369	2.4141829	21	4 18.9	21.6
300322 2007 QH_{1}	17.0	X	304.49721	120.79015	166.84725	6.24997	0.0851809	0.26688616	2.3891973	21	4 10.9	19.9
300323 2007 QW_{2}	16.1	X	219.66431	91.12026	222.90179	9.80614	0.2815342	0.25555598	2.4593029	21	1 31.2	20.7
300324 2007 QZ_{2}	16.6	X	234.58678	327.33889	42.08433	6.99624	0.2042659	0.26317897	2.4115814	21	4 24.6	20.6
300325 2007 QL_{4}	16.7	X	221.68810	163.74609	205.44554	9.24591	0.2892143	0.26155059	2.4215805	21	4 9.9	21.0
300326 2007 QX_{5}	16.8	X	306.79706	102.57653	191.74715	4.47779	0.1023450	0.26790934	2.3831103	21	4 19.7	19.5
300327 2007 QL_{6}	17.2	X	200.43222	124.91681	251.37216	1.16658	0.2158498	0.25848153	2.4407111	21	4 3.4	21.4
300328 2007 QT_{6}	17.1	X	223.14611	9.14416	20.84114	2.53051	0.2171436	0.26436411	2.4043686	21	5 8.9	21.0
300329 2007 QF_{9}	17.7	X	160.92782	128.22130	173.58280	5.49231	0.2926923	0.24169050	2.5524838	21	—	—
300330 2007 RG_{7}	17.2	X	183.43559	226.17246	177.14810	7.26052	0.2464721	0.25609088	2.4558772	21	4 25.9	21.5
300331 2007 RP_{7}	17.4	X	287.18037	38.62191	274.78641	2.79620	0.1703474	0.26627914	2.3928269	21	4 7.1	20.5
300332 2007 RL_{11}	17.2	X	135.92859	344.75524	9.36766	2.75110	0.3254945	0.23904489	2.5712822	21	1 25.6	21.3
300333 2007 RG_{15}	16.3	X	283.55904	316.19988	187.91726	13.95000	0.0630227	0.22628127	2.6670857	21	—	—
300334 Antonalexander	16.3	X	274.17565	8.25605	277.44050	8.23964	0.2405561	0.26172950	2.4204768	21	2 9.1	20.3
300335 2007 RK_{20}	17.0	X	238.91339	134.01375	195.25318	11.41483	0.1974655	0.25804342	2.4434729	21	3 7.6	21.0
300336 2007 RN_{23}	16.7	X	244.74107	85.71047	227.77132	5.19501	0.1276600	0.25707724	2.4495913	21	2 24.9	20.6
300337 2007 RZ_{27}	16.3	X	242.45026	183.97798	111.75396	9.30065	0.1240004	0.25458475	2.4655536	21	2 4.5	20.1
300338 2007 RJ_{31}	16.4	X	282.59777	55.96361	237.44614	6.16790	0.1511520	0.26228803	2.4170394	21	3 7.8	19.8
300339 2007 RW_{31}	16.0	X	247.89208	279.19498	53.89232	8.35899	0.1777395	0.26136249	2.4227422	21	3 27.2	19.8
300340 2007 RF_{32}	16.2	X	222.62686	318.58676	9.13781	14.83884	0.1634534	0.25538075	2.4604277	21	2 28.1	20.2
300341 2007 RT_{34}	17.2	X	195.90851	173.54980	210.33580	1.62484	0.1894536	0.25830537	2.4418207	21	4 9.2	21.1
300342 2007 RZ_{37}	16.9	X	132.68392	186.42236	135.19836	3.46898	0.1924771	0.23496986	2.6009257	21	—	—
300343 2007 RF_{41}	16.8	X	256.89160	39.82754	11.67758	6.74211	0.0897060	0.27533433	2.3400716	21	7 30.3	19.8
300344 2007 RJ_{42}	16.8	X	224.73587	343.66276	285.53532	5.40646	0.1737715	0.24517449	2.5282452	21	—	—
300345 2007 RG_{45}	16.5	X	89.80451	202.13801	299.65207	5.09597	0.0594630	0.25986955	2.4320124	21	4 29.8	19.5
300346 2007 RR_{47}	17.9	X	146.72342	12.68321	19.65418	1.44840	0.1660205	0.24712571	2.5149195	21	3 5.4	21.7
300347 2007 RV_{48}	17.3	X	80.40829	178.82467	191.29787	1.90284	0.0594944	0.23041272	2.6351080	21	—	—
300348 2007 RP_{49}	16.6	X	200.94684	24.51059	194.16245	6.06996	0.0717600	0.22529810	2.6748393	21	12 23.2	20.4
300349 2007 RR_{50}	16.6	X	61.59148	190.70133	215.86237	8.87369	0.0820689	0.23409544	2.6073985	21	—	—
300350 2007 RB_{52}	16.7	X	91.00802	54.27619	344.85664	14.58119	0.1421094	0.23753208	2.5821881	21	1 2.4	20.0
300351 2007 RH_{52}	17.2	X	116.90840	154.46125	211.11427	8.35858	0.1735739	0.23769332	2.5810202	21	—	—
300352 2007 RH_{55}	17.3	X	64.89760	127.77950	301.83750	3.87557	0.1328196	0.23773825	2.5806949	21	—	—
300353 2007 RG_{57}	16.5	X	113.95560	357.47255	337.76250	8.21688	0.0921647	0.23189233	2.6238870	21	—	—
300354 2007 RV_{57}	17.5	X	80.19131	202.50996	186.87117	1.84440	0.1376203	0.23044512	2.6348610	21	—	—
300355 2007 RP_{65}	17.8	X	240.99754	308.92590	339.11861	0.58295	0.1779733	0.25383360	2.4704154	21	1 22.0	21.8
300356 2007 RU_{68}	17.2	X	79.85680	45.75118	91.16311	2.54653	0.1402979	0.25676768	2.4515597	21	4 24.8	20.0
300357 2007 RM_{69}	17.3	X	179.38268	301.89226	98.68950	2.47877	0.1772527	0.25706921	2.4496423	21	4 16.6	21.1
300358 2007 RL_{76}	17.7	X	230.66023	136.81483	173.12998	1.60651	0.1933098	0.25484955	2.4638455	21	2 7.5	21.7
300359 2007 RY_{76}	17.3	X	200.30893	197.77516	166.76776	5.96264	0.1137964	0.25678539	2.4514470	21	3 19.9	20.9
300360 2007 RV_{86}	17.1	X	188.85112	49.77195	357.22095	3.69741	0.1455326	0.25919949	2.4362020	21	4 30.3	20.9
300361 2007 RO_{87}	17.3	X	267.48450	354.73091	341.69323	0.78930	0.2000122	0.26458609	2.4030237	21	4 13.2	20.9
300362 2007 RX_{89}	17.1	X	47.34948	79.05855	0.62135	4.35017	0.1927664	0.23501697	2.6005781	21	—	—
300363 2007 RM_{91}	16.7	X	320.62628	343.39469	184.97958	13.63313	0.0994597	0.23833806	2.5763634	21	—	—
300364 2007 RZ_{91}	17.7	X	153.58521	346.47557	296.08708	0.44438	0.1824698	0.23276030	2.6173599	21	—	—
300365 2007 RJ_{102}	16.7	X	153.26047	217.46100	206.04489	7.16918	0.1725633	0.25487812	2.4636614	21	4 19.9	20.4
300366 2007 RO_{108}	17.6	X	245.84105	346.76986	336.48159	2.22516	0.2018198	0.25812849	2.4429360	21	3 7.9	21.4
300367 2007 RA_{109}	17.5	X	270.68237	324.72873	341.03596	1.74456	0.1756943	0.26007695	2.4307193	21	3 11.2	21.1
300368 2007 RN_{120}	16.0	X	182.06041	220.79421	195.06414	22.97291	0.2047915	0.26046863	2.4282819	21	5 9.4	20.2
300369 2007 RO_{122}	17.8	X	160.77509	60.62476	43.61191	1.87461	0.1457678	0.26688402	2.3892101	21	6 17.3	21.3
300370 2007 RE_{126}	17.1	X	196.30175	0.96786	2.43317	2.42698	0.0612399	0.25498263	2.4629881	21	3 12.9	20.5
300371 2007 RS_{130}	17.5	X	152.99154	313.44697	18.66975	4.74587	0.2345803	0.23970218	2.5665795	21	1 5.2	21.6
300372 2007 RS_{134}	17.3	X	168.68494	132.25609	218.28980	3.30082	0.1578795	0.24706679	2.5153193	21	2 1.3	21.2
300373 2007 RH_{140}	17.0	X	266.33912	293.13967	3.18820	5.40696	0.1948291	0.25929761	2.4355873	21	2 23.2	20.8
300374 2007 RB_{141}	17.4	X	122.18334	222.44961	152.77406	3.69457	0.1560255	0.24113722	2.5563867	21	1 13.7	20.8
300375 2007 RR_{142}	16.0	X	127.60521	161.72398	238.39149	6.19973	0.1920154	0.23946622	2.5682653	21	2 23.4	19.8
300376 2007 RB_{145}	15.8	X	126.58490	321.52855	346.13086	13.45089	0.1145064	0.23008188	2.6376334	21	—	—
300377 2007 RM_{145}	16.2	X	129.93474	348.31107	0.62951	15.15940	0.1395222	0.23641562	2.5903112	21	—	—
300378 2007 RD_{146}	16.3	X	179.77748	36.91251	13.18752	8.04222	0.1921722	0.25794455	2.4440972	21	4 26.5	20.2
300379 2007 RX_{148}	16.5	X	163.10322	11.98934	41.57363	6.93540	0.1319983	0.25482488	2.4640045	21	4 15.1	20.2
300380 2007 RQ_{150}	16.0	X	128.26606	295.85613	47.00432	30.84352	0.3024091	0.23210427	2.6222894	21	—	—
300381 2007 RV_{150}	17.0	X	185.63649	315.89214	63.87201	5.79593	0.2099968	0.25568340	2.4584858	21	3 29.9	21.1
300382 2007 RQ_{156}	17.7	X	206.63731	108.07973	293.35147	0.59872	0.1834385	0.26279980	2.4139005	21	5 10.5	21.5
300383 2007 RB_{158}	17.4	X	289.56819	243.74359	41.48417	2.46115	0.1727906	0.26213553	2.4179768	21	3 6.5	20.9
300384 2007 RP_{158}	17.1	X	214.21380	316.30621	9.15663	6.57191	0.1279293	0.25248988	2.4791724	21	2 15.2	20.9
300385 2007 RO_{164}	17.5	X	180.33449	88.51500	324.93603	6.57118	0.0962965	0.26078491	2.4263181	21	4 26.7	21.1
300386 2007 RK_{174}	17.1	X	175.43183	267.90493	111.30076	3.30379	0.1574467	0.25091116	2.4895608	21	3 17.2	20.9
300387 2007 RY_{195}	16.0	X	252.62625	49.72825	240.86430	13.92081	0.1408677	0.25705461	2.4497351	21	1 31.5	20.1
300388 2007 RT_{196}	17.7	X	324.64676	311.14565	343.74036	3.18984	0.0806346	0.27154086	2.3618152	21	5 20.1	20.3
300389 2007 RL_{202}	17.1	X	223.38853	61.16811	195.83322	8.42859	0.1320793	0.23920041	2.5701676	21	—	—
300390 2007 RK_{208}	17.6	X	201.20981	8.93320	52.54134	3.09442	0.1719747	0.26317198	2.4116241	21	5 31.6	21.4
300391 2007 RB_{216}	16.8	X	313.41225	333.16245	196.68852	7.26005	0.1382101	0.23675142	2.5878612	21	—	—
300392 2007 RY_{217}	17.0	X	76.81418	206.56474	183.35338	2.84186	0.1621848	0.22924421	2.6440549	21	—	—
300393 2007 RS_{222}	16.4	X	159.89086	280.13692	347.09773	4.00132	0.2275120	0.23103733	2.6303565	21	—	—
300394 2007 RN_{226}	16.8	X	216.27764	179.89732	43.92916	2.61750	0.0294216	0.22987034	2.6392514	21	—	—
300395 2007 RG_{231}	16.9	X	357.22830	126.63064	3.91863	11.84380	0.1308086	0.23734678	2.5835319	21	—	—
300396 2007 RL_{240}	17.2	X	141.61316	326.92748	9.55198	4.55919	0.0615610	0.23536774	2.5979937	21	—	—
300397 2007 RA_{242}	16.2	X	108.92271	21.70043	35.55633	14.55215	0.1488268	0.23911228	2.5707990	21	2 27.6	19.8
300398 2007 RK_{253}	16.5	X	42.54173	237.63204	187.68923	4.66803	0.1399196	0.22771251	2.6558984	21	—	—
300399 2007 RW_{256}	16.8	X	182.59680	70.42571	13.06123	6.14353	0.0924250	0.26627559	2.3928482	21	6 10.7	20.3
300400 2007 RV_{258}	16.3	X	171.63714	289.19962	356.98636	8.81364	0.1724588	0.23586807	2.5943184	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
300401 2007 RM_{259}	16.1	X	282.82943	14.16981	154.08479	6.00891	0.0197647	0.23131212	2.6282729	21	—	—
300402 2007 RF_{260}	16.3	X	58.69054	326.99695	47.14832	8.05234	0.1083588	0.22217923	2.6998134	21	—	—
300403 2007 RM_{262}	17.3	X	254.91011	128.71108	192.03018	5.58026	0.1435308	0.26274851	2.4142146	21	3 16.2	21.0
300404 2007 RH_{271}	15.6	X	238.83743	218.78691	229.23551	8.64423	0.0722450	0.19530310	2.9421397	21	8 18.2	20.0
300405 2007 RD_{277}	16.4	X	96.61705	71.90474	263.07316	10.64332	0.1210617	0.23030149	2.6359564	21	—	—
300406 2007 RF_{281}	16.0	X	157.84711	50.06956	251.95389	13.64507	0.1149288	0.23366634	2.6105897	21	—	—
300407 2007 RN_{284}	17.9	X	117.04565	226.75731	161.34356	0.95136	0.1444234	0.23956786	2.5675388	21	1 22.5	21.2
300408 2007 RW_{284}	17.7	X	4.14104	265.56322	176.13246	4.05720	0.0478433	0.22868168	2.6483891	21	—	—
300409 2007 RG_{287}	17.5	X	45.48102	64.08645	7.32926	1.50079	0.0367349	0.23520530	2.5991897	21	—	—
300410 2007 RO_{287}	16.9	X	91.83338	148.51574	201.69553	1.48793	0.0992615	0.22956428	2.6415967	21	—	—
300411 2007 RK_{288}	16.7	X	122.49592	240.57949	157.59169	13.85456	0.1905506	0.24284137	2.5444129	21	2 16.7	20.1
300412 2007 RQ_{290}	16.3	X	317.27721	249.19678	217.01624	5.23358	0.0767422	0.21726201	2.7403972	21	—	—
300413 2007 RY_{295}	16.6	X	153.45915	189.12597	53.63351	4.06595	0.1557223	0.21873918	2.7280459	21	11 29.1	21.1
300414 2007 RC_{296}	16.9	X	160.12603	239.07045	5.89315	1.35340	0.0126734	0.22150573	2.7052832	21	12 12.2	20.4
300415 2007 RW_{296}	16.7	X	29.26989	43.47346	282.57153	1.00341	0.0715934	0.20516999	2.8470395	21	10 16.2	20.3
300416 2007 RN_{298}	16.5	X	57.58990	319.26772	153.25895	5.25507	0.2507633	0.24136006	2.5548130	21	2 24.7	18.5
300417 2007 RK_{314}	16.9	X	321.30560	214.35322	56.46163	3.28061	0.1841165	0.26460749	2.4028941	21	3 26.8	19.7
300418 2007 RQ_{318}	16.9	X	199.45774	261.51383	14.29296	3.16429	0.1527196	0.24060202	2.5601763	21	—	—
300419 2007 RO_{321}	15.7	X	253.89853	248.33646	2.37636	12.49345	0.1467184	0.24137448	2.5547112	21	—	—
300420 2007 SN_{5}	17.1	X	172.53168	159.21666	173.91918	8.00355	0.2154861	0.24362565	2.5389494	21	1 19.5	21.3
300421 2007 SD_{15}	16.5	X	103.62556	346.67660	49.10377	6.08471	0.0505904	0.24064116	2.5598987	21	—	—
300422 2007 SH_{16}	17.0	X	164.01000	64.46233	5.47159	6.23632	0.1195795	0.26033392	2.4291195	21	5 3.2	20.7
300423 2007 SH_{19}	17.2	X	78.83390	89.17629	310.47436	1.26713	0.2151715	0.22886464	2.6469775	21	—	—
300424 2007 SG_{20}	16.1	X	157.54404	294.71024	8.55457	14.79555	0.0776159	0.23018250	2.6368647	21	—	—
300425 2007 TA_{4}	16.4	X	347.93167	75.26311	349.92666	6.84298	0.0693021	0.22101976	2.7092473	21	12 28.2	19.8
300426 2007 TM_{5}	16.2	X	170.67656	244.06673	83.50885	14.87307	0.2008220	0.24192491	2.5508348	21	1 12.2	20.3
300427 2007 TW_{8}	17.6	X	54.36840	247.04260	212.89667	3.53050	0.1617585	0.23703381	2.5858055	21	1 20.4	20.1
300428 2007 TX_{11}	16.5	X	34.93337	59.83909	24.08507	5.48732	0.2374938	0.22996767	2.6385066	21	—	—
300429 2007 TN_{12}	17.0	X	212.98294	334.03834	35.33475	5.15495	0.1724967	0.25535959	2.4605636	21	4 7.5	20.8
300430 2007 TC_{16}	16.4	X	94.28123	205.93152	154.70189	6.16369	0.3397900	0.22954930	2.6417116	21	—	—
300431 2007 TP_{16}	16.4	X	9.03613	315.03794	170.17664	13.44146	0.0657513	0.23861517	2.5743683	21	—	—
300432 2007 TT_{17}	15.8	X	128.41532	270.37071	19.11878	12.86434	0.1095203	0.22359107	2.6884362	21	—	—
300433 2007 TX_{21}	15.6	X	45.89457	207.43082	232.84571	9.43263	0.1634032	0.22992465	2.6388358	21	—	—
300434 2007 TR_{28}	17.9	X	152.14794	104.08068	213.22077	2.25062	0.2444957	0.23624293	2.5915733	21	—	—
300435 2007 TT_{32}	17.6	X	240.49094	50.75477	271.89844	0.34732	0.1992289	0.25790056	2.4443751	21	3 2.8	21.6
300436 2007 TF_{34}	17.9	X	161.00108	191.97406	175.46711	0.80800	0.1946470	0.24412865	2.5354607	21	2 18.9	21.8
300437 2007 TM_{34}	16.6	X	111.29270	284.99536	38.18908	6.58646	0.1508636	0.22648584	2.6654795	21	—	—
300438 2007 TX_{38}	16.6	X	29.33742	47.50506	47.34628	3.55476	0.1662798	0.23004600	2.6379077	21	—	—
300439 2007 TH_{39}	16.8	X	42.21130	187.19191	199.14920	4.69191	0.0653812	0.22193757	2.7017729	21	—	—
300440 2007 TG_{42}	17.7	X	258.06578	90.55131	193.03567	2.28295	0.1791985	0.25521796	2.4614738	21	1 30.6	21.6
300441 2007 TO_{43}	16.2	X	42.24985	187.42962	214.02188	13.66069	0.0911085	0.22383728	2.6864645	21	—	—
300442 2007 TQ_{43}	16.6	X	104.61087	272.04250	78.65418	2.53118	0.1064336	0.22777234	2.6554333	21	—	—
300443 2007 TR_{47}	16.9	X	41.68429	17.13229	358.29058	5.08674	0.1030743	0.22207383	2.7006676	21	—	—
300444 2007 TQ_{50}	17.7	X	132.86479	341.77863	328.46340	1.58986	0.2035163	0.23107026	2.6301066	21	—	—
300445 2007 TP_{53}	16.9	X	91.74896	313.35553	40.22667	2.24430	0.1133357	0.22775044	2.6556035	21	—	—
300446 2007 TK_{54}	16.8	X	351.32399	316.99798	204.54921	9.16435	0.1418018	0.23643815	2.5901466	21	—	—
300447 2007 TV_{54}	15.8	X	11.16071	214.40859	220.09596	13.76317	0.0793987	0.22452344	2.6809883	21	—	—
300448 2007 TO_{55}	17.1	X	144.18411	279.56293	11.05303	3.71976	0.2536657	0.22888482	2.6468219	21	—	—
300449 2007 TW_{59}	17.1	X	105.61320	23.15963	21.25554	3.61230	0.1138978	0.24348578	2.5399216	21	1 24.1	20.3
300450 2007 TJ_{63}	16.6	X	159.54253	121.14626	205.35090	6.30552	0.1132982	0.23536967	2.5979794	21	—	—
300451 2007 TA_{68}	16.8	X	164.12891	170.80086	175.69903	7.27181	0.1710441	0.24274174	2.5451092	21	1 24.5	20.8
300452 2007 TY_{70}	16.5	X	199.20703	344.98800	54.53652	5.33793	0.1519314	0.25770847	2.4455897	21	5 2.6	20.3
300453 2007 TF_{74}	16.0	X	53.62057	58.72452	29.69129	13.66110	0.2435873	0.23136899	2.6278422	21	1 14.1	18.4
300454 2007 TM_{74}	16.3	X	81.88690	269.96549	134.52219	7.48434	0.1928022	0.23285376	2.6166595	21	—	—
300455 2007 TM_{77}	17.3	X	122.09233	6.39202	355.65578	3.83062	0.2130497	0.23608711	2.5927135	21	1 7.3	20.7
300456 2007 TQ_{77}	17.4	X	134.25057	15.36106	4.23052	5.57282	0.2623920	0.24100438	2.5573260	21	2 17.6	21.2
300457 2007 TE_{79}	17.0	X	161.49153	305.71255	18.57501	5.63409	0.1272154	0.23667998	2.5883820	21	—	—
300458 2007 TW_{81}	17.0	X	253.65660	68.57777	151.20632	2.19086	0.0218101	0.22984970	2.6394094	21	—	—
300459 2007 TB_{83}	16.7	X	251.13278	36.74314	187.95113	3.72886	0.1453569	0.23745652	2.5827358	21	—	—
300460 2007 TC_{86}	16.5	X	189.55937	142.29575	162.84441	3.64689	0.2131510	0.24018374	2.5631478	21	1 2.1	20.8
300461 2007 TH_{86}	16.1	X	107.40099	313.13329	22.41825	13.66409	0.2718157	0.22883248	2.6472255	21	—	—
300462 2007 TK_{86}	16.4	X	322.47185	348.25662	105.41394	3.35544	0.0455904	0.21879575	2.7275756	21	12 26.2	19.8
300463 2007 TL_{86}	17.3	X	68.56239	267.81833	105.97300	2.80563	0.1052726	0.22568859	2.6717530	21	—	—
300464 2007 TG_{87}	17.2	X	96.61669	200.98633	180.55002	5.74348	0.0470979	0.23202251	2.6229054	21	—	—
300465 2007 TN_{94}	15.9	X	314.42259	284.73860	183.39773	8.98413	0.1213868	0.22044796	2.7139301	21	12 31.7	19.1
300466 2007 TC_{97}	17.8	X	161.44573	107.12333	183.24120	2.78980	0.1059061	0.23294122	2.6160045	21	—	—
300467 2007 TW_{98}	17.0	X	302.15600	112.97426	40.69127	4.84253	0.0718136	0.22869932	2.6482530	21	—	—
300468 2007 TP_{107}	16.6	X	45.46217	195.16005	182.16847	6.28835	0.0599025	0.22278894	2.6948853	21	—	—
300469 2007 TQ_{107}	16.7	X	32.54988	334.30115	207.52202	5.69734	0.0795523	0.25539674	2.4603250	21	3 31.7	19.3
300470 2007 TN_{112}	17.2	X	129.73495	38.79709	305.17673	9.37329	0.2047758	0.23733642	2.5836070	21	—	—
300471 2007 TR_{113}	16.6	X	126.40846	194.51784	112.46325	7.02646	0.2673437	0.23098204	2.6307762	21	—	—
300472 2007 TE_{114}	15.6	X	157.36032	288.88025	10.32199	13.01616	0.1673008	0.23269893	2.6178201	21	—	—
300473 2007 TK_{114}	16.3	X	154.25629	303.25007	14.99337	11.58140	0.1947745	0.23609453	2.5926592	21	—	—
300474 2007 TW_{114}	16.6	X	55.52318	176.70027	199.19254	11.28049	0.1046300	0.22258613	2.6965221	21	—	—
300475 2007 TO_{116}	17.4	X	267.52215	116.48943	175.00178	6.17390	0.0991096	0.25815543	2.4427660	21	2 24.9	21.0
300476 2007 TG_{117}	16.9	X	173.76985	248.73396	68.32749	6.55621	0.1507459	0.23810414	2.5780505	21	—	—
300477 2007 TV_{119}	15.8	X	277.93172	221.83769	228.24266	14.29707	0.1117002	0.20607523	2.8386958	21	10 5.9	19.6
300478 2007 TT_{120}	16.5	X	158.46527	109.49093	221.89286	8.37849	0.1403277	0.23658863	2.5890482	21	—	—
300479 2007 TG_{123}	16.1	X	118.24717	306.81857	37.67788	13.81590	0.1809565	0.23236765	2.6203076	21	—	—
300480 2007 TH_{125}	17.1	X	158.30046	191.65798	101.37062	2.96238	0.1248646	0.23028981	2.6360455	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
300481 2007 TA_{126}	16.9	X	64.37239	125.88576	205.62578	5.56720	0.0264344	0.21645737	2.7471843	21	12 4.5	20.6
300482 2007 TB_{126}	16.5	X	70.55548	349.04407	32.17850	3.83543	0.0959544	0.22751191	2.6574593	21	—	—
300483 2007 TC_{127}	17.1	X	110.72328	157.34066	170.11728	2.09106	0.2058667	0.22836193	2.6508607	21	—	—
300484 2007 TV_{127}	16.8	X	50.01708	323.72603	76.00129	3.23359	0.0841607	0.22625259	2.6673111	21	—	—
300485 2007 TK_{129}	16.6	X	66.90374	344.99090	35.30387	2.93456	0.0890826	0.22537777	2.6742089	21	—	—
300486 2007 TK_{130}	17.5	X	62.74133	69.62630	340.55938	3.52156	0.2492004	0.22978029	2.6399409	21	—	—
300487 2007 TT_{131}	17.5	X	160.26473	145.57073	197.39193	1.13789	0.0991859	0.23876554	2.5732873	21	1 10.9	21.1
300488 2007 TZ_{132}	16.6	X	158.01509	214.36968	46.69852	5.42698	0.0665383	0.22086454	2.7105165	21	12 27.8	20.6
300489 2007 TJ_{133}	17.2	X	109.08786	249.91561	52.11104	3.05052	0.0832114	0.21966220	2.7203983	21	12 25.9	21.2
300490 2007 TZ_{134}	16.9	X	312.99857	298.59640	334.92789	5.59636	0.1052556	0.26268227	2.4146204	21	3 27.9	19.7
300491 2007 TQ_{142}	16.2	X	90.83646	351.18556	14.87105	10.60144	0.0862685	0.22991063	2.6389431	21	—	—
300492 2007 TE_{143}	16.6	X	114.25859	229.71682	142.65698	8.40682	0.2009765	0.23458592	2.6037629	21	1 8.0	19.9
300493 2007 TF_{145}	17.3	X	124.42988	357.91766	6.00194	3.60270	0.1845446	0.23741459	2.5830399	21	1 8.1	20.7
300494 2007 TK_{153}	16.6	X	204.82118	278.16528	9.11341	16.10304	0.1044294	0.24003364	2.5642162	21	—	—
300495 2007 TE_{155}	16.3	X	105.89586	154.66409	218.33442	13.39850	0.0768018	0.23481084	2.6020999	21	—	—
300496 2007 TL_{155}	16.5	X	185.14138	286.82018	10.58156	17.56434	0.3100554	0.24182162	2.5515611	21	—	—
300497 2007 TW_{157}	16.9	X	66.96911	91.10012	350.14413	3.61117	0.1602799	0.23786218	2.5797985	21	1 19.7	19.4
300498 2007 TM_{158}	16.2	X	54.92691	56.59210	340.09449	5.37997	0.0572941	0.22807116	2.6531133	21	—	—
300499 2007 TU_{158}	16.2	X	349.40988	145.07462	264.23442	5.15121	0.0768990	0.21644781	2.7472652	21	12 8.6	19.5
300500 2007 TO_{160}	17.7	X	92.10817	63.79110	331.24982	3.30845	0.3094487	0.23325354	2.6136688	21	1 24.8	20.6
300501 2007 TN_{161}	16.7	X	67.97006	195.77507	173.78221	3.70508	0.1073691	0.22775937	2.6555341	21	—	—
300502 2007 TW_{161}	17.3	X	97.62533	341.51283	44.91389	4.38172	0.1166106	0.23584897	2.5944585	21	—	—
300503 2007 TB_{165}	17.2	X	57.84780	232.91499	178.92692	2.12709	0.1891513	0.23080502	2.6321212	21	—	—
300504 2007 TW_{165}	16.8	X	62.11503	16.73189	56.16773	2.90165	0.3137380	0.23036472	2.6354740	21	1 18.8	18.4
300505 2007 TJ_{172}	16.6	X	127.37819	233.36151	143.11000	6.18485	0.1164630	0.23990620	2.5651242	21	1 16.3	19.9
300506 2007 TH_{173}	16.8	X	10.53811	232.41332	197.64858	5.33253	0.0577785	0.22666052	2.6641098	21	—	—
300507 2007 TJ_{174}	16.9	X	15.46434	230.80666	210.63902	2.07668	0.0723490	0.22779503	2.6552569	21	—	—
300508 2007 TV_{175}	16.7	X	65.64919	264.15210	124.74004	3.16589	0.1080518	0.22831268	2.6512420	21	—	—
300509 2007 TG_{178}	15.9	X	143.60497	274.39595	14.23241	13.10729	0.1775617	0.22675862	2.6633414	21	—	—
300510 2007 TZ_{182}	16.5	X	150.83879	156.62935	201.72883	4.94078	0.1364795	0.23886296	2.5725876	21	1 22.7	20.3
300511 2007 TP_{183}	16.8	X	144.03584	71.26438	276.21558	3.51278	0.1689483	0.23639886	2.5904336	21	1 7.5	20.4
300512 2007 TH_{186}	16.8	X	75.88058	244.42553	169.50021	7.55205	0.1757047	0.23494773	2.6010890	21	—	—
300513 2007 TJ_{186}	15.9	X	285.33036	303.15841	170.61453	8.75387	0.1632142	0.21513538	2.7584270	21	11 16.9	19.2
300514 2007 TU_{187}	16.6	X	67.57730	108.01260	48.00334	6.75558	0.0853093	0.25427888	2.4675305	21	4 24.3	19.4
300515 2007 TF_{190}	17.6	X	279.47671	323.71469	339.23814	1.85855	0.2167544	0.26348333	2.4097239	21	3 11.9	21.2
300516 2007 TG_{193}	16.7	X	181.72092	59.88030	222.90189	12.53008	0.1735303	0.23104673	2.6302851	21	—	—
300517 2007 TH_{196}	16.9	X	187.65681	1.63639	195.75219	3.97938	0.0386625	0.21215128	2.7842333	21	11 13.5	20.7
300518 2007 TD_{205}	16.7	X	347.36566	220.58828	164.12965	3.61005	0.1015139	0.21064930	2.7974524	21	11 4.3	19.9
300519 2007 TK_{210}	16.0	X	257.86443	5.87554	215.35571	14.19110	0.1721624	0.23615861	2.5921901	21	—	—
300520 2007 TW_{212}	16.7	X	330.69206	141.95437	296.77877	3.79173	0.0771705	0.21708296	2.7419039	21	12 18.8	20.0
300521 2007 TA_{213}	17.0	X	34.21168	72.75589	317.20614	3.91495	0.1244028	0.22135166	2.7065384	21	—	—
300522 2007 TV_{213}	16.1	X	138.64061	258.56302	25.72806	13.23086	0.1501029	0.22395875	2.6854930	21	—	—
300523 2007 TH_{214}	16.4	X	14.27677	179.85784	306.12753	2.41256	0.1161891	0.23330024	2.6133200	21	—	—
300524 2007 TX_{214}	16.7	X	56.22293	90.62207	10.71504	5.67125	0.0936579	0.23731920	2.5837320	21	1 24.4	19.7
300525 2007 TZ_{214}	16.6	X	73.53395	173.91367	244.44021	5.97613	0.0881040	0.23346970	2.6120553	21	—	—
300526 2007 TS_{215}	16.3	X	118.39798	280.18283	14.07891	6.57100	0.0554008	0.21893121	2.7264503	21	12 24.9	20.3
300527 2007 TA_{221}	16.6	X	185.23187	213.46930	162.21872	7.87844	0.1689427	0.25783531	2.4447875	21	3 21.3	20.4
300528 2007 TY_{222}	17.0	X	17.88158	309.69221	172.87677	5.66557	0.1651606	0.23403977	2.6078120	21	—	—
300529 2007 TH_{225}	16.4	X	146.91657	285.36094	23.34143	12.28345	0.1747744	0.23135454	2.6279516	21	—	—
300530 2007 TB_{226}	16.8	X	163.31278	95.76292	201.03395	6.04965	0.1144065	0.23177290	2.6247883	21	—	—
300531 2007 TN_{226}	16.2	X	265.38956	187.11796	47.91899	5.71036	0.1545718	0.23820122	2.5773500	21	—	—
300532 2007 TA_{228}	17.3	X	50.97421	152.54462	237.01269	1.46691	0.0867815	0.22508505	2.6765269	21	—	—
300533 2007 TO_{230}	16.7	X	73.19721	167.58576	190.29668	5.89665	0.0386455	0.22249800	2.6972341	21	—	—
300534 2007 TB_{237}	16.8	X	317.82944	68.83681	60.28026	4.62112	0.1571964	0.22361970	2.6882068	21	—	—
300535 2007 TC_{238}	17.1	X	189.74590	131.10119	177.90703	14.48231	0.0953813	0.24446840	2.5331111	21	—	—
300536 2007 TZ_{238}	17.1	X	213.08733	105.33520	153.41527	3.14606	0.1181700	0.23458497	2.6037698	21	—	—
300537 2007 TZ_{243}	16.5	X	37.03880	163.85656	275.00677	4.28793	0.0197063	0.23251058	2.6192336	21	—	—
300538 2007 TQ_{244}	16.6	X	76.99486	56.21529	332.27990	10.36115	0.1487606	0.23120467	2.6290871	21	—	—
300539 2007 TP_{246}	16.0	X	34.07272	189.48284	261.91877	12.97896	0.2142828	0.23043849	2.6349115	21	—	—
300540 2007 TD_{253}	17.9	X	106.49691	242.78539	194.38703	6.38508	0.1833373	0.24467098	2.5317126	21	3 18.1	21.1
300541 2007 TW_{255}	16.8	X	4.81917	107.08937	300.17290	2.98662	0.0584887	0.21965460	2.7204610	21	12 27.4	20.2
300542 2007 TQ_{257}	17.4	X	148.12135	314.85772	35.90484	8.31753	0.2599401	0.23985804	2.5654676	21	1 27.5	21.6
300543 2007 TU_{260}	16.7	X	9.60387	259.63692	176.11681	3.16325	0.1626391	0.22354380	2.6888153	21	—	—
300544 2007 TL_{261}	16.2	X	55.49497	312.21608	28.50189	4.79490	0.0758787	0.21640149	2.7476572	21	12 11.0	20.1
300545 2007 TK_{262}	17.1	X	194.53231	248.33576	36.45289	3.42724	0.0967857	0.23309967	2.6148189	21	—	—
300546 2007 TB_{263}	16.2	X	344.57316	116.43261	38.67603	9.74994	0.0783976	0.23391482	2.6087406	21	—	—
300547 2007 TD_{263}	16.3	X	130.90667	232.80354	40.97274	5.45303	0.1151790	0.21885046	2.7271210	21	12 14.7	20.5
300548 2007 TN_{266}	16.8	X	326.44588	60.54111	165.79353	6.55683	0.0335153	0.25537905	2.4604387	21	2 24.1	20.0
300549 2007 TS_{266}	15.9	X	265.97932	209.80919	24.26784	7.64404	0.2110427	0.24059860	2.5602005	21	—	—
300550 2007 TJ_{270}	16.8	X	347.87879	287.79294	222.06830	12.29119	0.1203477	0.23378818	2.6096825	21	—	—
300551 2007 TL_{271}	17.1	X	74.18552	143.98609	246.78428	1.53389	0.1207044	0.23019525	2.6367674	21	—	—
300552 2007 TP_{272}	16.8	X	42.93854	293.41812	128.87396	3.66466	0.0755347	0.22878926	2.6475589	21	—	—
300553 2007 TT_{272}	17.4	X	95.62555	240.56654	156.00887	4.23793	0.1594719	0.23490196	2.6014268	21	1 6.6	20.3
300554 2007 TC_{276}	17.0	X	142.75187	351.86710	277.56856	2.19371	0.1091827	0.22448127	2.6813241	21	12 22.2	20.9
300555 2007 TA_{293}	17.0	X	301.18965	98.17445	51.07307	2.78175	0.1430331	0.22657790	2.6647574	21	—	—
300556 2007 TN_{296}	16.5	X	113.06322	221.62661	60.14309	12.67235	0.1805850	0.21816800	2.7328052	21	12 9.9	21.0
300557 2007 TC_{298}	16.9	X	154.37350	342.12403	352.95214	3.64333	0.0240614	0.23710810	2.5852654	21	—	—
300558 2007 TB_{299}	17.0	X	96.15292	165.37013	221.35905	3.10228	0.0758487	0.23467656	2.6030924	21	—	—
300559 2007 TT_{302}	17.0	X	150.23438	311.23954	25.70983	2.36221	0.0804957	0.23548985	2.5970955	21	—	—
300560 2007 TQ_{319}	17.3	X	329.36664	266.67657	199.34242	5.27282	0.1021771	0.21966283	2.7203931	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
300561 2007 TH_{320}	17.4	X	119.93194	146.87574	247.30212	1.73042	0.0867148	0.24227068	2.5484071	21	1 24.6	20.8
300562 2007 TS_{326}	16.4	X	35.07367	175.23731	260.10466	3.88403	0.1087161	0.22941221	2.6427639	21	—	—
300563 2007 TF_{327}	16.6	X	54.91872	34.52102	318.40156	4.63096	0.0675820	0.21925902	2.7237322	21	12 25.7	20.3
300564 2007 TO_{327}	17.0	X	135.02490	28.22797	308.45877	4.41865	0.1318526	0.23332413	2.6131416	21	—	—
300565 2007 TG_{331}	16.7	X	330.18860	286.31202	234.65927	11.58996	0.2018691	0.22909419	2.6452091	21	—	—
300566 2007 TU_{331}	16.9	X	63.92943	31.30054	294.22499	2.48808	0.0948994	0.21528417	2.7571558	21	12 5.0	20.7
300567 2007 TU_{333}	16.5	X	87.92025	348.64248	7.52793	2.62123	0.0629607	0.22480669	2.6787359	21	—	—
300568 2007 TS_{336}	17.1	X	271.80447	343.66560	329.97847	4.65392	0.1140545	0.26167019	2.4208426	21	3 27.7	20.4
300569 2007 TP_{337}	16.9	X	173.24325	291.56987	116.42562	2.35195	0.1383341	0.25699910	2.4500878	21	4 18.5	20.5
300570 2007 TA_{338}	17.1	X	144.86092	230.15740	104.60459	4.49983	0.2647609	0.23736014	2.5834349	21	1 3.7	21.1
300571 2007 TH_{342}	16.4	X	32.44643	213.77353	222.28013	6.36336	0.0578788	0.22592966	2.6698522	21	—	—
300572 2007 TG_{344}	17.0	X	66.48515	276.28819	145.33097	4.80157	0.1569231	0.23289593	2.6163437	21	—	—
300573 2007 TX_{353}	16.4	X	65.30430	120.93895	235.58391	5.07615	0.0339401	0.22265140	2.6959951	21	—	—
300574 2007 TM_{360}	16.1	X	146.12550	99.48347	203.46553	14.18678	0.0554309	0.22462506	2.6801797	21	—	—
300575 2007 TG_{361}	16.2	X	143.98752	289.60582	51.41916	11.33205	0.2032408	0.23466768	2.6031580	21	1 4.5	20.2
300576 2007 TB_{363}	16.7	X	116.83098	292.88612	57.55612	12.91449	0.1783852	0.22990452	2.6389898	21	—	—
300577 2007 TA_{367}	16.4	X	212.78202	267.83748	25.50063	11.75735	0.1887047	0.24036567	2.5618542	21	1 8.1	20.9
300578 2007 TF_{367}	17.1	X	319.82522	325.21536	355.09184	6.75931	0.1223297	0.27613440	2.3355493	21	6 13.8	19.7
300579 2007 TG_{368}	16.6	X	121.06187	357.23290	40.48987	5.06689	0.1374278	0.23805217	2.5784257	21	2 10.7	20.1
300580 2007 TA_{371}	16.6	X	7.52670	257.56745	148.07135	5.65451	0.1207433	0.21810848	2.7333024	21	—	—
300581 2007 TD_{372}	16.7	X	243.99446	18.11303	184.55036	14.93470	0.2077777	0.23038315	2.6353335	21	—	—
300582 2007 TT_{373}	16.2	X	112.04376	280.95281	34.87405	12.79043	0.2029672	0.22576004	2.6711893	21	—	—
300583 2007 TM_{385}	16.5	X	315.46990	117.75404	21.21068	7.98182	0.1948846	0.22559506	2.6724915	21	—	—
300584 2007 TC_{386}	16.1	X	151.61071	249.84020	69.23226	13.95221	0.2025931	0.23636803	2.5906589	21	—	—
300585 2007 TL_{388}	16.9	X	130.95032	68.94853	32.45710	6.42851	0.1264052	0.25599648	2.4564809	21	5 10.1	20.3
300586 2007 TW_{388}	16.9	X	89.12184	337.62975	91.81876	2.96818	0.0681318	0.24173219	2.5521903	21	1 26.9	19.8
300587 2007 TJ_{393}	16.5	X	349.70256	298.56695	200.37650	12.57664	0.1808818	0.23194244	2.6235091	21	—	—
300588 2007 TD_{398}	16.7	X	96.35819	39.88053	259.22682	5.59165	0.0296792	0.21604634	2.7506676	21	12 2.8	20.4
300589 2007 TQ_{398}	16.5	X	68.19201	341.51792	76.54585	5.09779	0.1863581	0.23307795	2.6149813	21	—	—
300590 2007 TE_{404}	17.2	X	72.91439	190.59259	274.75284	1.60989	0.1302592	0.24087019	2.5582757	21	2 26.7	19.9
300591 2007 TA_{405}	16.8	X	38.52908	358.93604	26.51056	6.35607	0.0384684	0.21984789	2.7188663	21	—	—
300592 2007 TM_{411}	16.3	X	176.44871	167.34585	180.30285	13.60956	0.1846195	0.24220456	2.5488709	21	2 6.3	20.5
300593 2007 TF_{412}	15.8	X	29.91814	171.93400	238.76527	10.91301	0.0654788	0.22522461	2.6754212	21	—	—
300594 2007 TN_{418}	16.9	X	275.54089	262.61799	211.71051	2.73099	0.0461574	0.21306831	2.7762388	21	11 16.8	20.5
300595 2007 TK_{419}	16.7	X	241.66189	68.06136	205.55400	8.26157	0.0436006	0.24199462	2.5503448	21	1 10.2	20.4
300596 2007 TN_{419}	16.5	X	178.47652	231.02840	76.45175	4.84082	0.0543567	0.23069064	2.6329912	21	—	—
300597 2007 TD_{421}	16.1	X	79.61740	226.95681	141.86693	14.84635	0.1184835	0.22824245	2.6517858	21	—	—
300598 2007 TA_{426}	17.1	X	143.98605	58.26230	220.60509	11.98775	0.2341097	0.22704502	2.6611012	21	—	—
300599 2007 TW_{430}	15.7	X	350.06278	305.66226	78.09831	7.27758	0.0736836	0.20226284	2.8742551	21	11 5.3	19.2
300600 2007 TX_{430}	15.8	X	282.81670	326.98007	83.13631	12.07062	0.0815195	0.19286913	2.9668408	21	9 2.5	20.0
300601 2007 TO_{432}	16.8	X	257.72519	19.18432	161.43238	2.47363	0.0509967	0.22397078	2.6853969	21	—	—
300602 2007 TE_{434}	17.5	X	59.96103	39.28413	358.06415	2.91363	0.1848739	0.22698460	2.6615734	21	—	—
300603 2007 TB_{435}	15.8	X	207.41246	347.91324	288.94585	14.42385	0.1176256	0.23498308	2.6008281	21	—	—
300604 2007 TJ_{436}	17.2	X	241.04636	261.15362	35.41354	9.31039	0.2567798	0.25367661	2.4714345	21	2 2.0	21.7
300605 2007 TF_{438}	17.0	X	8.61254	122.13673	331.06602	1.07706	0.0496503	0.23097906	2.6307988	21	—	—
300606 2007 TO_{439}	17.2	X	232.18056	58.04006	228.27466	5.04030	0.1046933	0.24206788	2.5498303	21	1 14.3	21.2
300607 2007 TA_{441}	17.1	X	134.81520	272.87073	81.80092	9.63971	0.1820136	0.23826266	2.5769069	21	1 7.9	20.7
300608 2007 TT_{441}	16.8	X	194.10040	294.20706	33.79149	10.29018	0.0982852	0.24360482	2.5390941	21	1 31.5	20.8
300609 2007 TE_{445}	16.6	X	7.82076	267.11350	154.66674	5.30050	0.1404190	0.22193524	2.7017917	21	—	—
300610 2007 TP_{448}	16.9	X	202.04258	235.53730	81.19805	2.61585	0.0808923	0.24044035	2.5613238	21	1 22.4	20.7
300611 2007 TB_{452}	16.7	X	104.11433	17.48632	334.39035	2.40421	0.1322749	0.22731418	2.6590002	21	—	—
300612 2007 UJ_{1}	16.2	X	17.73628	26.93430	31.74606	14.88449	0.0227158	0.22487129	2.6782229	21	—	—
300613 2007 UP_{5}	16.9	X	16.66474	239.36734	196.09972	4.58450	0.1658251	0.22582839	2.6706503	21	—	—
300614 2007 UL_{9}	16.1	X	145.96080	226.27574	72.78624	9.91809	0.1077502	0.22929882	2.6436351	21	—	—
300615 2007 UJ_{11}	16.4	X	155.59249	219.42008	137.00337	10.66360	0.2589755	0.24117594	2.5561131	21	2 6.8	20.4
300616 2007 UU_{11}	16.5	X	351.50409	196.69775	197.97977	14.62813	0.2112091	0.21329510	2.7742705	21	12 4.4	19.5
300617 2007 UV_{11}	16.4	X	81.74320	310.02711	67.92825	9.25703	0.1832170	0.22903005	2.6457029	21	—	—
300618 2007 UA_{16}	17.1	X	46.39826	168.80744	170.52954	2.77641	0.0418339	0.21690305	2.7434198	21	11 24.2	20.7
300619 2007 UL_{20}	17.0	X	61.13821	226.88556	154.22929	2.01581	0.0815447	0.22741076	2.6582473	21	—	—
300620 2007 US_{22}	16.6	X	158.68660	270.70216	49.41256	12.54714	0.2225365	0.23605488	2.5929495	21	—	—
300621 2007 UL_{26}	16.5	X	120.76539	313.39420	68.42725	4.54462	0.1403587	0.23663516	2.5887088	21	1 20.3	19.9
300622 2007 UW_{28}	16.4	X	343.89569	210.06664	228.28508	8.74713	0.1877546	0.21674556	2.7447486	21	—	—
300623 2007 UG_{33}	15.8	X	167.88057	29.88894	273.94207	12.79572	0.0764218	0.23342569	2.6123836	21	—	—
300624 2007 UR_{33}	15.9	X	78.69562	5.95262	17.27415	18.23312	0.1831128	0.22912364	2.6449824	21	—	—
300625 2007 UW_{36}	16.7	X	119.12035	157.65477	167.66125	9.21072	0.1613065	0.23050418	2.6344109	21	—	—
300626 2007 UR_{37}	16.3	X	359.22511	251.90857	187.05299	21.53181	0.0524559	0.22521813	2.6754724	21	—	—
300627 2007 UE_{38}	15.9	X	176.81463	264.77936	35.25584	14.86931	0.1369926	0.23340848	2.6125120	21	—	—
300628 2007 UX_{39}	16.5	X	114.66636	325.24835	69.52849	15.53867	0.0434910	0.23770557	2.5809315	21	1 14.7	20.1
300629 2007 UE_{41}	17.1	X	135.19268	48.03712	339.87754	0.87071	0.0789893	0.24150740	2.5537737	21	2 4.6	20.6
300630 2007 UJ_{42}	16.8	X	153.71265	343.38480	305.77380	3.73858	0.0831337	0.22552317	2.6730594	21	—	—
300631 2007 UM_{43}	17.2	X	107.15232	177.67919	168.78856	2.30038	0.0596015	0.22867240	2.6484608	21	—	—
300632 2007 UB_{47}	16.5	X	120.00879	189.61405	199.59804	7.87680	0.1015769	0.23692760	2.5865782	21	1 20.1	20.0
300633 2007 UO_{47}	15.9	X	133.18032	304.08107	60.57937	14.91199	0.1651046	0.23502166	2.6005435	21	1 18.7	19.8
300634 2007 UT_{47}	16.4	X	130.75845	166.58762	203.99089	7.67300	0.1323804	0.23546963	2.5972442	21	1 14.9	20.1
300635 2007 UN_{54}	16.8	X	347.20160	66.49956	42.19334	1.92506	0.1057583	0.22417763	2.6837447	21	—	—
300636 2007 UT_{55}	16.6	X	50.94365	295.02193	48.97129	5.82150	0.0673371	0.21548388	2.7554521	21	12 8.1	20.3
300637 2007 UZ_{55}	16.8	X	145.81385	281.47371	50.61144	4.33023	0.0682688	0.23189962	2.6238320	21	—	—
300638 2007 UA_{59}	17.2	X	340.79575	207.51284	230.40880	2.57706	0.1755547	0.21739306	2.7392958	21	—	—
300639 2007 UG_{59}	16.9	X	49.13435	78.72884	36.08070	5.30632	0.1752176	0.23650251	2.5896767	21	2 5.1	19.3
300640 2007 UU_{59}	16.6	X	90.83729	150.40152	225.85948	13.23268	0.1331965	0.22967995	2.6407097	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
300641 2007 UM_{60}	17.1	X	350.76071	24.61510	42.72232	3.18484	0.0789371	0.21741528	2.7391092	21	—	—
300642 2007 UQ_{60}	15.5	X	86.50512	312.11113	226.82264	8.31748	0.0379466	0.18584380	3.0411464	21	6 17.7	19.7
300643 2007 UQ_{65}	16.9	X	31.01143	287.12483	169.60412	1.77041	0.0708529	0.23374962	2.6099695	21	—	—
300644 2007 UK_{75}	16.7	X	103.72180	89.11690	255.58559	5.33320	0.1151320	0.22663994	2.6642711	21	—	—
300645 2007 UQ_{76}	17.2	X	42.68468	137.68628	281.35976	1.37527	0.0670433	0.22698322	2.6615843	21	—	—
300646 2007 UV_{81}	17.3	X	160.71781	122.50312	191.97642	10.76865	0.1823247	0.23749429	2.5824619	21	—	—
300647 2007 UE_{82}	16.5	X	358.64893	144.14958	230.33705	8.52989	0.1526515	0.21152895	2.7896914	21	11 12.5	19.3
300648 2007 UH_{83}	16.5	X	179.50146	339.92958	234.64639	3.33779	0.0439817	0.21319246	2.7751609	21	11 24.5	20.3
300649 2007 UJ_{84}	17.3	X	23.14020	304.49610	56.07830	2.83576	0.0856557	0.21251826	2.7810270	21	11 24.7	20.7
300650 2007 UW_{84}	16.6	X	2.43381	288.75439	224.31968	2.22804	0.1768859	0.23299271	2.6156191	21	—	—
300651 2007 UC_{85}	16.9	X	180.13962	102.61663	224.44372	5.31721	0.1532384	0.23892810	2.5721200	21	1 15.6	21.1
300652 2007 UY_{87}	17.0	X	56.96423	203.13419	240.34938	4.37708	0.2300355	0.23175170	2.6249484	21	1 9.2	19.1
300653 2007 UZ_{88}	17.0	X	287.06002	22.93298	90.16280	0.53681	0.0207078	0.21427033	2.7658462	21	12 3.3	20.5
300654 2007 UV_{99}	16.7	X	325.51031	148.84173	261.27709	1.61433	0.0544867	0.20826146	2.8187947	21	11 1.6	20.4
300655 2007 UA_{102}	16.8	X	15.76045	150.02823	194.16039	1.52967	0.0842337	0.20645049	2.8352548	21	10 22.8	20.4
300656 2007 UX_{107}	17.6	X	108.05030	121.06892	226.39586	3.23136	0.2091055	0.23213537	2.6220553	21	—	—
300657 2007 UL_{108}	16.8	X	1.75495	50.35263	23.67375	0.96546	0.0947234	0.22126779	2.7072223	21	—	—
300658 2007 UQ_{118}	16.4	X	33.29307	130.37020	248.03042	1.94992	0.0930341	0.21868951	2.7284589	21	—	—
300659 2007 UV_{122}	16.7	X	4.09877	77.48755	57.35505	2.77142	0.0573510	0.23070647	2.6328707	21	—	—
300660 2007 UW_{123}	16.1	X	49.57526	339.74134	128.02561	11.10312	0.1151024	0.23701151	2.5859676	21	1 20.9	18.8
300661 2007 UQ_{125}	17.3	X	120.58904	356.45809	313.41174	1.27114	0.0642710	0.22624695	2.6673555	21	—	—
300662 2007 UR_{125}	17.2	X	61.52603	80.98072	348.53982	5.57489	0.2666343	0.23082446	2.6319734	21	1 5.2	19.3
300663 2007 UL_{129}	16.2	X	53.79041	58.12411	265.28289	4.91971	0.0211539	0.20839455	2.8175944	21	11 7.4	20.1
300664 2007 UO_{129}	16.9	X	299.40726	173.26560	222.86412	1.50218	0.0607783	0.19989304	2.8969273	21	9 4.4	20.5
300665 2007 UM_{130}	16.6	X	78.39246	311.62191	68.04322	15.32487	0.1816747	0.22921306	2.6442944	21	—	—
300666 2007 UV_{137}	16.7	X	16.21830	36.88218	14.55623	8.79975	0.0617816	0.22036527	2.7146090	21	—	—
300667 2007 UX_{138}	16.3	X	78.22878	307.77996	25.30835	8.82206	0.1182432	0.21869611	2.7284040	21	—	—
300668 2007 UP_{140}	17.0	X	4.82862	88.70878	309.05222	5.31463	0.0412244	0.21503454	2.7592893	21	12 12.1	20.5
300669 2007 VM_{5}	16.4	X	350.85733	24.21523	78.75379	13.92124	0.1405932	0.22378764	2.6868617	21	—	—
300670 2007 VQ_{5}	16.4	X	143.73842	334.23048	22.94137	6.06191	0.1354041	0.23762435	2.5815196	21	1 16.4	20.1
300671 2007 VE_{7}	16.1	X	336.14775	190.39883	218.92167	11.28573	0.0511130	0.21061297	2.7977741	21	11 17.4	19.6
300672 2007 VH_{11}	16.5	X	43.14224	217.22367	201.09738	9.04179	0.1695820	0.22562364	2.6722658	21	—	—
300673 2007 VZ_{11}	16.1	X	356.23713	313.63671	103.36757	12.42626	0.0380236	0.21662337	2.7457807	21	12 25.4	19.6
300674 2007 VL_{12}	16.5	X	253.70907	318.75623	251.38606	3.50446	0.0623185	0.23132160	2.6282011	21	—	—
300675 2007 VJ_{13}	16.6	X	266.48796	292.60211	217.79757	7.22500	0.0787893	0.21947330	2.7219590	21	12 17.2	20.1
300676 2007 VR_{19}	16.9	X	160.33748	176.09520	162.24686	4.86833	0.2383671	0.23838020	2.5760598	21	1 18.4	21.0
300677 2007 VB_{20}	16.8	X	317.83173	148.81327	268.78102	2.55853	0.0830759	0.21017637	2.8016473	21	10 29.6	20.2
300678 2007 VA_{23}	16.3	X	241.02764	319.17685	220.77168	8.78058	0.1734735	0.22051669	2.7133662	21	12 7.9	20.1
300679 2007 VJ_{25}	16.2	X	292.94746	264.44298	205.59560	12.55013	0.1734834	0.21033484	2.8002399	21	11 20.9	19.5
300680 2007 VL_{26}	16.8	X	5.65025	119.72372	21.28345	4.23313	0.1415933	0.23348400	2.6119486	21	—	—
300681 2007 VQ_{27}	17.1	X	185.63390	239.22652	15.34970	5.77073	0.0643411	0.22765043	2.6563812	21	—	—
300682 2007 VH_{29}	17.2	X	164.32277	262.67155	46.55582	3.76738	0.2028603	0.23414469	2.6070328	21	—	—
300683 2007 VU_{30}	16.3	X	229.37245	158.10277	340.15421	5.76915	0.0107739	0.20935481	2.8089721	21	10 20.7	20.3
300684 2007 VV_{30}	16.6	X	85.48396	47.92847	282.79200	5.54824	0.0131471	0.21969521	2.7201258	21	12 28.0	20.3
300685 2007 VO_{31}	15.8	X	318.92044	235.68006	240.50244	13.03079	0.1563239	0.21981149	2.7191664	21	—	—
300686 2007 VB_{39}	16.5	X	207.59984	77.59981	223.71332	4.96719	0.0517858	0.25110982	2.4882476	21	1 5.0	20.1
300687 2007 VY_{43}	16.4	X	73.69734	101.35129	297.01099	5.12187	0.0661730	0.22968302	2.6406862	21	—	—
300688 2007 VK_{44}	16.2	X	253.93796	239.14154	308.57803	5.30928	0.0793196	0.22196127	2.7015805	21	—	—
300689 2007 VE_{47}	16.7	X	47.84578	92.09754	309.26912	3.67417	0.1043012	0.22495674	2.6775446	21	—	—
300690 2007 VV_{47}	16.0	X	180.80820	300.55547	265.15510	7.72950	0.0863609	0.21107162	2.7937197	21	11 10.9	20.4
300691 2007 VF_{50}	16.8	X	23.17933	40.59127	317.19760	3.73034	0.0590689	0.21179973	2.7873133	21	11 16.5	20.4
300692 2007 VD_{53}	16.5	X	92.04943	189.31686	101.30161	5.26156	0.0772170	0.21178016	2.7874849	21	11 22.9	20.5
300693 2007 VN_{54}	16.4	X	242.18741	335.05019	177.46558	4.37179	0.0109969	0.21214020	2.7843301	21	11 27.3	20.2
300694 2007 VA_{55}	16.9	X	120.25846	226.04626	188.13465	4.84355	0.2209006	0.24074649	2.5591519	21	3 10.8	20.5
300695 2007 VQ_{61}	16.9	X	83.55790	123.44369	299.60408	1.43024	0.1226010	0.23412261	2.6071968	21	1 18.5	19.7
300696 2007 VZ_{61}	16.5	X	89.70393	159.70190	255.55698	3.11176	0.1943428	0.23429288	2.6059334	21	1 27.4	19.3
300697 2007 VE_{63}	15.9	X	242.96359	291.69590	236.53715	6.23331	0.0441647	0.21321578	2.7749585	21	12 12.6	19.6
300698 2007 VZ_{65}	16.8	X	78.32871	355.58119	7.42024	4.80396	0.0336718	0.22355221	2.6887479	21	—	—
300699 2007 VY_{67}	16.8	X	308.66177	221.87723	213.50897	3.67706	0.0488848	0.21179322	2.7873704	21	11 11.9	20.5
300700 2007 VG_{72}	16.5	X	21.04535	344.69452	65.02651	3.14760	0.0772531	0.21869367	2.7284243	21	—	—
300701 2007 VJ_{89}	16.2	X	332.83543	263.06515	189.33762	8.45284	0.0760824	0.21934525	2.7230183	21	—	—
300702 2007 VZ_{90}	16.1	X	108.51174	91.25636	257.81210	6.21376	0.2076313	0.22960733	2.6412664	21	—	—
300703 2007 VG_{94}	16.8	X	308.10762	104.64772	36.32563	9.20985	0.2063977	0.21919766	2.7242404	21	—	—
300704 2007 VP_{94}	17.0	X	112.12791	59.01931	345.06960	1.99644	0.1281352	0.23763399	2.5814497	21	2 4.3	20.4
300705 2007 VP_{99}	16.4	X	58.48109	321.43592	13.74778	6.44795	0.0953216	0.21362165	2.7714425	21	12 9.6	20.4
300706 2007 VM_{100}	15.1	X	144.72406	199.70462	260.08145	8.43498	0.0660283	0.17948930	3.1125070	21	5 22.3	19.7
300707 2007 VY_{101}	16.0	X	75.96778	331.27851	75.15692	15.32016	0.2576587	0.22751602	2.6574273	21	1 3.1	18.5
300708 2007 VX_{102}	17.4	X	203.44469	140.75122	149.14033	2.48229	0.2480099	0.24320209	2.5418964	21	—	—
300709 2007 VU_{108}	16.2	X	110.71508	181.08622	54.89052	11.26088	0.0654052	0.20249207	2.8720856	21	10 8.7	20.5
300710 2007 VJ_{110}	16.4	X	13.94571	145.33484	248.76454	5.07789	0.0616299	0.21500837	2.7595132	21	12 22.2	19.8
300711 2007 VN_{113}	16.5	X	324.80063	244.83104	185.54996	2.43419	0.0572539	0.21134974	2.7912682	21	11 28.2	20.0
300712 2007 VV_{114}	16.2	X	202.46271	329.97675	186.18201	2.64378	0.0554624	0.20199869	2.8767604	21	10 7.1	20.3
300713 2007 VQ_{115}	16.0	X	243.65269	188.72884	224.51153	10.14747	0.0894583	0.19133021	2.9827283	21	7 9.8	20.5
300714 2007 VJ_{117}	16.8	X	65.70814	45.14921	6.32568	2.85442	0.0890242	0.22688916	2.6623198	21	—	—
300715 2007 VO_{117}	16.4	X	103.06003	244.82781	123.50682	3.63694	0.2109339	0.23009209	2.6375554	21	—	—
300716 2007 VP_{117}	16.8	X	132.90430	93.67187	242.56297	11.55790	0.2282621	0.23402135	2.6079488	21	—	—
300717 2007 VC_{120}	16.9	X	49.68339	235.58968	149.27299	2.47081	0.0921171	0.22596290	2.6695903	21	—	—
300718 2007 VH_{120}	17.4	X	0.02096	318.52398	166.11842	1.55149	0.1514651	0.23224733	2.6212125	21	—	—
300719 2007 VG_{121}	17.1	X	325.16596	138.46869	321.65884	3.94470	0.0871369	0.21784905	2.7354720	21	—	—
300720 2007 VS_{121}	16.8	X	15.08880	93.71178	1.10906	3.81487	0.1044029	0.22694921	2.6618501	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
300721 2007 VW_{124}	16.5	X	136.37372	280.34299	269.96150	1.45223	0.0901844	0.19449181	2.9503158	21	9 5.9	20.9
300722 2007 VC_{125}	16.2	X	161.03256	188.05382	11.62793	1.43173	0.0611478	0.20223277	2.8745400	21	10 14.4	20.3
300723 2007 VD_{125}	16.8	X	145.59585	107.48634	240.28958	3.22214	0.3032298	0.23813321	2.5778407	21	1 22.6	21.0
300724 2007 VP_{125}	16.5	X	5.25042	258.98558	214.39098	12.11994	0.1207690	0.22929820	2.6436398	21	—	—
300725 2007 VP_{132}	16.8	X	188.16379	239.67548	32.58786	11.84672	0.1768999	0.23225540	2.6211518	21	—	—
300726 2007 VW_{132}	17.9	X	347.86890	245.27615	249.46240	1.39629	0.0762343	0.23144495	2.6272672	21	—	—
300727 2007 VW_{133}	16.4	X	94.73019	38.48392	5.76545	13.18698	0.1569988	0.23452116	2.6042421	21	1 19.8	19.7
300728 2007 VV_{137}	15.8	X	269.22444	151.82867	304.43760	11.39159	0.1412736	0.20388612	2.8589788	21	9 24.2	19.8
300729 2007 VK_{141}	16.9	X	11.56374	81.67368	6.77449	1.80974	0.1083217	0.22479811	2.6788041	21	—	—
300730 2007 VF_{142}	16.4	X	262.65025	293.21169	154.89865	2.54611	0.0303364	0.20296004	2.8676690	21	9 28.4	20.3
300731 2007 VR_{142}	16.6	X	26.58196	161.35811	199.30704	4.06757	0.0860518	0.21232220	2.7827388	21	11 30.3	20.2
300732 2007 VP_{144}	16.7	X	36.19610	272.80039	142.65095	2.54248	0.0712741	0.22313810	2.6920734	21	—	—
300733 2007 VE_{145}	16.3	X	352.46516	273.62285	113.82388	3.99397	0.0319390	0.20863226	2.8154538	21	11 11.8	20.1
300734 2007 VH_{147}	16.2	X	85.23226	196.21827	105.74056	4.63444	0.0774028	0.20988928	2.8042015	21	11 28.5	20.2
300735 2007 VL_{147}	16.3	X	53.33002	170.82116	109.15920	3.57371	0.0274928	0.19731605	2.9220957	21	9 14.6	20.2
300736 2007 VX_{148}	17.5	X	135.85969	122.57599	328.16987	2.14834	0.1841601	0.25361933	2.4718066	21	5 7.8	21.1
300737 2007 VY_{148}	17.4	X	198.71920	296.57232	316.21388	2.52622	0.0989423	0.23255903	2.6188698	21	—	—
300738 2007 VP_{155}	16.8	X	111.39614	312.70780	19.06134	5.98213	0.0543289	0.22414213	2.6840281	21	—	—
300739 2007 VZ_{157}	16.8	X	112.33280	181.03057	143.17619	3.50461	0.1152006	0.22357176	2.6885911	21	—	—
300740 2007 VT_{161}	16.4	X	115.36075	286.02690	22.97441	4.20012	0.1044980	0.21998761	2.7177150	21	—	—
300741 2007 VJ_{165}	16.0	X	107.96308	302.22881	236.09732	5.00073	0.0626355	0.18751355	3.0230658	21	7 16.8	20.3
300742 2007 VN_{167}	16.4	X	329.97044	135.20043	290.84047	3.26738	0.0496450	0.21059151	2.7979642	21	11 29.1	20.0
300743 2007 VS_{171}	16.5	X	44.84221	61.41185	20.50398	5.81960	0.1191214	0.23028132	2.6361103	21	—	—
300744 2007 VO_{180}	16.5	X	117.56522	152.82417	184.70441	4.57796	0.0168034	0.22811218	2.6527953	21	—	—
300745 2007 VU_{189}	16.2	X	283.04353	122.58789	26.71913	6.38596	0.0929442	0.21940363	2.7225352	21	—	—
300746 2007 VR_{190}	16.7	X	86.03123	116.51740	228.42722	12.32745	0.1800078	0.22331103	2.6906834	21	—	—
300747 2007 VV_{191}	16.7	X	357.66077	97.21523	306.20983	0.66230	0.2093950	0.20903232	2.8118604	21	12 26.3	19.5
300748 2007 VD_{192}	17.3	X	80.13433	140.43393	287.88429	0.79090	0.1883576	0.22948720	2.6421881	21	1 30.5	20.1
300749 2007 VP_{192}	16.2	X	64.69395	314.72291	89.88116	11.21835	0.2393605	0.22383279	2.6865004	21	—	—
300750 2007 VC_{201}	15.9	X	64.56397	345.73362	217.66547	0.58078	0.1975373	0.18752396	3.0229540	21	7 14.6	19.9
300751 2007 VL_{209}	16.9	X	114.15406	333.43198	329.03237	4.38286	0.0987804	0.21993850	2.7181195	21	—	—
300752 2007 VX_{211}	16.9	X	151.32904	70.02536	187.26800	4.75555	0.0812783	0.21622258	2.7491727	21	12 15.2	21.0
300753 2007 VL_{215}	16.1	X	107.38400	91.69320	248.56445	16.54920	0.1288758	0.22519515	2.6756544	21	—	—
300754 2007 VL_{221}	17.7	X	166.55548	253.94617	40.21100	5.89558	0.2349544	0.23329754	2.6133401	21	—	—
300755 2007 VY_{221}	16.6	X	340.01962	346.68880	96.28350	1.34850	0.0410896	0.21471323	2.7620414	21	—	—
300756 2007 VR_{224}	16.4	X	285.20638	48.92704	186.23530	4.89920	0.1712460	0.24269081	2.5454652	21	—	—
300757 2007 VK_{229}	16.5	X	83.87505	80.09587	249.78814	5.34016	0.0755497	0.21792648	2.7348240	21	12 31.2	20.5
300758 2007 VZ_{229}	16.9	X	332.20248	187.50015	233.46312	3.35399	0.0522697	0.21256696	2.7806023	21	11 26.7	20.3
300759 2007 VC_{234}	17.1	X	115.77083	10.02391	270.33837	3.02196	0.0328610	0.21333694	2.7739077	21	12 2.3	20.8
300760 2007 VP_{235}	16.8	X	70.33880	193.91662	226.65878	3.21314	0.1230887	0.23028911	2.6360508	21	—	—
300761 2007 VE_{237}	16.9	X	148.51447	302.77715	54.84029	4.61891	0.1534844	0.23813486	2.5778288	21	1 23.9	20.7
300762 2007 VR_{238}	16.3	X	25.14867	328.07701	62.88396	9.92028	0.1475289	0.21682254	2.7440990	21	—	—
300763 2007 VN_{240}	17.0	X	118.41485	199.88163	183.63666	8.95096	0.1696081	0.23658074	2.5891057	21	1 21.1	20.6
300764 2007 VV_{242}	17.0	X	87.81100	214.00618	80.29314	5.35327	0.0488461	0.21389337	2.7690949	21	11 19.4	20.9
300765 2007 VL_{244}	16.6	X	25.89331	116.68029	257.54248	5.21881	0.0565709	0.21578911	2.7528531	21	12 12.8	20.0
300766 2007 VX_{244}	16.3	X	282.90605	78.80090	3.46136	1.28023	0.0995608	0.20498283	2.8487722	21	10 7.5	19.9
300767 2007 VU_{247}	15.7	X	44.88350	350.00218	207.88271	16.89903	0.0630307	0.18178175	3.0862838	21	5 21.1	19.9
300768 2007 VE_{251}	16.5	X	66.43214	284.15370	151.41498	5.26720	0.1125671	0.23353758	2.6115492	21	1 6.2	19.3
300769 2007 VT_{251}	16.3	X	42.82733	134.65361	278.12627	10.30135	0.0466422	0.22587408	2.6702902	21	—	—
300770 2007 VW_{251}	16.7	X	105.27381	22.74389	20.94513	9.82444	0.0753191	0.23693366	2.5865341	21	1 20.2	20.1
300771 2007 VN_{257}	15.8	X	174.50155	270.62480	37.73345	10.01955	0.1753352	0.23363993	2.6107863	21	—	—
300772 2007 VO_{257}	17.6	X	42.82237	59.13857	352.89150	3.59599	0.2583477	0.22484307	2.6784469	21	—	—
300773 2007 VV_{258}	15.8	X	151.57985	114.22293	81.78572	14.06815	0.1194899	0.20241451	2.8728191	21	10 8.4	20.6
300774 2007 VH_{261}	17.2	X	215.50002	259.00575	317.70406	2.76800	0.0284181	0.22061803	2.7125352	21	—	—
300775 2007 VN_{261}	16.7	X	340.80012	139.46183	5.53600	3.95756	0.0408011	0.23014256	2.6371697	21	—	—
300776 2007 VA_{269}	16.4	X	70.44709	289.66568	91.89885	7.87619	0.2547921	0.22548601	2.6733530	21	—	—
300777 2007 VU_{276}	16.7	X	326.14427	285.45665	272.24329	6.22143	0.0751145	0.23982434	2.5657079	21	1 13.8	20.1
300778 2007 VT_{279}	16.9	X	60.77442	292.06838	40.21665	3.73924	0.1946679	0.21692479	2.7432366	21	12 22.9	20.8
300779 2007 VM_{285}	16.7	X	16.11696	126.75406	202.33105	1.43386	0.0737356	0.20218028	2.8750375	21	10 1.3	20.4
300780 2007 VY_{285}	16.6	X	349.27299	52.03674	89.53443	3.81718	0.0297476	0.22909916	2.6451708	21	—	—
300781 2007 VW_{286}	16.5	X	12.70631	285.76013	175.22680	12.86882	0.2381359	0.22694266	2.6619014	21	—	—
300782 2007 VX_{286}	15.8	X	7.39445	341.86344	121.13598	12.82020	0.1522881	0.22685838	2.6625606	21	—	—
300783 2007 VF_{287}	16.2	X	27.25761	308.83296	189.29146	13.35937	0.1255221	0.23544820	2.5974018	21	1 21.1	19.3
300784 2007 VL_{299}	16.9	X	60.89132	262.03702	187.65948	12.45475	0.2308583	0.23358619	2.6111868	21	1 24.9	19.5
300785 2007 VN_{303}	15.6	X	80.32517	124.27629	289.85385	12.69405	0.1945937	0.23370545	2.6102984	21	1 10.9	18.2
300786 2007 VF_{309}	16.5	X	325.14433	87.47092	340.90236	5.70398	0.0340529	0.21256782	2.7805948	21	11 24.7	20.2
300787 2007 VA_{312}	16.0	X	289.03750	55.53526	69.11899	4.63597	0.0448192	0.21317443	2.7753173	21	12 17.9	19.6
300788 2007 VG_{315}	16.4	X	9.05026	358.78423	57.97510	5.87130	0.0309193	0.21713334	2.7414798	21	—	—
300789 2007 VN_{315}	16.6	X	68.12563	95.48940	242.77394	5.28471	0.0108341	0.21271155	2.7793420	21	12 14.2	20.3
300790 2007 VF_{318}	16.9	X	59.42531	26.09652	296.24894	4.87134	0.0464205	0.21285314	2.7781094	21	11 17.4	20.7
300791 2007 VF_{321}	16.1	X	110.09454	233.62150	76.52888	10.20541	0.0978339	0.21879525	2.7275798	21	—	—
300792 2007 VN_{321}	16.4	X	314.42523	284.79299	142.31400	4.28403	0.0825884	0.20830040	2.8184434	21	11 8.1	19.8
300793 2007 VX_{321}	16.0	X	112.67137	334.66376	359.65406	13.61364	0.2665017	0.22942400	2.6426734	21	—	—
300794 2007 VU_{323}	17.0	X	81.09559	211.32106	167.94561	3.58981	0.2701093	0.22795056	2.6540490	21	—	—
300795 2007 VM_{331}	16.6	X	146.92558	277.39757	60.04998	5.86019	0.2221840	0.23346874	2.6120624	21	1 5.3	20.6
300796 2007 VR_{331}	17.0	X	355.68244	304.25010	106.59776	4.96622	0.0924063	0.21388226	2.7691908	21	12 20.9	20.4
300797 2007 VT_{331}	16.1	X	350.03850	287.24311	109.93706	4.71801	0.0956045	0.21020949	2.8013530	21	11 24.6	19.4
300798 2007 VV_{331}	16.0	X	83.14181	235.54448	314.77033	2.11677	0.1037096	0.17663158	3.1459886	21	7 8.3	20.3
300799 2007 VZ_{331}	15.1	X	45.28606	134.28336	93.16075	17.45711	0.0066402	0.17797571	3.1301289	21	6 22.7	19.5
300800 2007 VB_{332}	16.8	X	134.00447	36.55935	333.15853	4.14984	0.3019203	0.23694537	2.5864489	21	2 8.9	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
300801 2007 VC_{332}	17.1	X	17.02840	68.30828	23.93419	7.98161	0.2251950	0.22387979	2.6861244	21	—	—
300802 2007 WJ	16.9	X	141.86676	12.02779	1.20630	1.36751	0.1851348	0.23897125	2.5718104	21	2 7.8	20.6
300803 2007 WK_{1}	16.4	X	300.25806	106.48019	7.24583	4.58548	0.0797555	0.21559742	2.7544846	21	12 17.4	19.8
300804 2007 WB_{2}	16.7	X	343.41903	50.36555	30.41504	5.24067	0.0930139	0.21744645	2.7388474	21	—	—
300805 2007 WY_{5}	16.6	X	57.27409	22.17355	4.63511	8.23912	0.0815260	0.22409430	2.6844100	21	—	—
300806 2007 WU_{6}	16.7	X	82.87459	16.44832	36.49113	9.22087	0.1374593	0.23302653	2.6153660	21	1 7.2	19.8
300807 2007 WW_{6}	16.6	X	97.92265	298.22848	38.49239	7.49298	0.2300343	0.22541432	2.6739198	21	—	—
300808 2007 WM_{12}	16.3	X	47.89290	297.89675	98.83932	10.94051	0.1185809	0.22348698	2.6892710	21	—	—
300809 2007 WJ_{13}	16.6	X	220.38917	309.29699	174.84699	6.99039	0.1493294	0.19886147	2.9069370	21	9 7.4	21.1
300810 2007 WZ_{14}	16.3	X	64.04002	293.35438	81.13007	5.91927	0.0651247	0.22091658	2.7100908	21	—	—
300811 2007 WN_{21}	16.8	X	25.68767	77.43007	17.44133	8.61595	0.0627359	0.22989321	2.6390763	21	—	—
300812 2007 WE_{22}	16.3	X	226.93854	238.16661	29.16065	13.87024	0.0346360	0.23451996	2.6042510	21	—	—
300813 2007 WA_{24}	16.1	X	112.18165	233.02837	67.47339	11.76827	0.0875046	0.21908974	2.7251350	21	12 27.1	20.2
300814 2007 WG_{24}	16.8	X	19.06062	216.19710	190.44064	4.58686	0.1145593	0.21977233	2.7194894	21	—	—
300815 2007 WD_{36}	16.4	X	246.11826	148.07587	12.76406	4.04400	0.0408769	0.21191225	2.7863265	21	12 6.9	20.2
300816 2007 WF_{36}	16.4	X	345.20413	116.61010	302.51933	5.67407	0.0333716	0.21331573	2.7740916	21	12 11.7	20.1
300817 2007 WY_{43}	16.8	X	46.62565	347.59361	344.48625	3.96936	0.2101691	0.21247484	2.7814059	21	12 7.7	20.7
300818 2007 WJ_{44}	16.5	X	204.57787	110.23066	13.09453	1.03389	0.1321378	0.18545935	3.0453477	21	8 23.1	21.4
300819 2007 WD_{46}	16.6	X	119.60994	8.88101	284.65403	7.11199	0.2131883	0.22082536	2.7108371	21	12 31.6	21.3
300820 2007 WV_{52}	16.8	X	220.55098	208.76663	17.01839	2.74311	0.0419464	0.22254177	2.6968804	21	—	—
300821 2007 WH_{55}	16.6	X	124.82592	89.52615	270.46885	1.93157	0.2199080	0.23444544	2.6048028	21	1 8.5	20.0
300822 2007 WE_{56}	15.7	X	308.77090	9.31758	103.83448	10.37690	0.1142490	0.21028020	2.8007250	21	12 26.9	18.9
300823 2007 WJ_{61}	16.2	X	83.06188	61.23870	335.56221	8.33711	0.0698718	0.22953073	2.6418541	21	—	—
300824 2007 XR_{3}	16.4	X	83.37400	133.88772	271.54697	11.03073	0.2931703	0.22927850	2.6437912	21	1 19.7	19.1
300825 2007 XL_{9}	15.9	X	332.47671	268.01857	69.16945	5.72888	0.0220490	0.18875690	3.0097759	21	8 9.7	20.0
300826 2007 XJ_{13}	15.4	X	256.39386	132.73417	268.87818	9.02354	0.1062661	0.19054335	2.9909341	21	7 9.0	19.7
300827 2007 XT_{17}	16.2	X	30.02989	114.69775	287.58391	4.85690	0.0369848	0.21750632	2.7383448	21	—	—
300828 2007 XE_{20}	16.3	X	44.74710	168.57822	263.53176	3.60840	0.0805155	0.22628441	2.6670611	21	—	—
300829 2007 XQ_{20}	16.6	X	78.03825	328.07737	71.72494	3.59022	0.1348613	0.22742407	2.6581435	21	—	—
300830 2007 XK_{22}	16.8	X	7.31687	25.09896	40.95676	2.53337	0.2355222	0.21769443	2.7367671	21	—	—
300831 2007 XE_{25}	16.5	X	25.80384	286.72894	100.10299	6.53707	0.1427065	0.21668346	2.7452730	21	—	—
300832 2007 XV_{28}	16.5	X	149.77369	356.71789	277.58793	2.97533	0.0273498	0.21495147	2.7600002	21	—	—
300833 2007 XJ_{30}	16.6	X	350.80372	61.16722	85.61531	12.85044	0.1502451	0.22755962	2.6570879	21	—	—
300834 2007 XS_{32}	15.4	X	340.64453	53.81341	335.65552	14.29696	0.1472757	0.19560590	2.9391026	21	10 19.4	19.0
300835 2007 XQ_{33}	15.8	X	59.71077	314.00764	72.14937	19.97400	0.1681552	0.22206179	2.7007652	21	—	—
300836 2007 XX_{34}	16.7	X	58.16760	185.44623	267.87687	10.92452	0.1515615	0.23301363	2.6154625	21	1 17.7	19.4
300837 2007 XA_{35}	16.3	X	107.02390	84.73298	288.92099	6.19120	0.2079519	0.23156925	2.6263270	21	1 2.2	19.5
300838 2007 XL_{36}	15.6	X	73.40170	65.61093	284.22082	12.73341	0.0921515	0.21640910	2.7475928	21	—	—
300839 2007 XZ_{38}	16.4	X	27.66783	70.05793	336.91710	4.21142	0.1612866	0.21678288	2.7444336	21	—	—
300840 2007 XT_{42}	15.9	X	156.98471	241.84068	271.99070	8.56145	0.0217270	0.19073241	2.9889573	21	8 8.5	20.2
300841 2007 XW_{47}	15.9	X	134.94754	190.23806	308.54887	2.80307	0.1307657	0.17878784	3.1206428	21	7 5.5	20.6
300842 2007 XA_{50}	16.1	X	113.81084	228.70676	285.01418	6.17340	0.1258432	0.17593515	3.1542854	21	7 1.2	20.8
300843 2007 XP_{53}	16.6	X	340.32334	47.31749	0.94402	2.14974	0.1444247	0.20403255	2.8576108	21	11 22.3	19.6
300844 2007 XT_{54}	16.2	X	41.00478	250.75435	84.25490	6.00362	0.1465270	0.20881300	2.8138289	21	11 25.5	19.8
300845 2007 YH_{3}	16.4	X	126.33333	51.41353	240.78314	2.55320	0.0293299	0.21420891	2.7663749	21	12 29.1	20.3
300846 2007 YU_{9}	15.4	X	285.76573	243.67921	75.87509	10.58878	0.0757597	0.17454692	3.1709879	21	5 9.3	19.9
300847 2007 YV_{13}	16.1	X	326.82497	318.67846	74.18230	9.03782	0.1570521	0.19975701	2.8982423	21	10 11.0	19.4
300848 2007 YX_{14}	15.8	X	343.49038	96.47226	54.51873	15.28331	0.1050104	0.22363025	2.6881223	21	—	—
300849 2007 YP_{17}	15.8	X	20.21305	60.86298	264.36113	10.37837	0.1410852	0.20212968	2.8755173	21	10 5.3	19.4
300850 2007 YX_{18}	15.7	X	352.15279	16.11706	261.07106	6.02133	0.0339168	0.18107914	3.0942621	21	6 16.4	19.7
300851 2007 YD_{25}	16.7	X	81.05800	147.87785	202.20204	6.46594	0.0782747	0.21886055	2.7270372	21	—	—
300852 2007 YR_{30}	16.3	X	337.96935	113.57849	328.40434	2.57551	0.0636253	0.21370070	2.7707590	21	—	—
300853 2007 YR_{31}	16.0	X	329.42432	132.87611	312.58122	3.06849	0.0741629	0.20919760	2.8103792	21	12 23.7	19.3
300854 2007 YV_{31}	15.6	X	156.23795	198.21096	274.33134	7.93686	0.0479557	0.17785733	3.1315177	21	6 19.8	20.2
300855 2007 YZ_{33}	16.4	X	160.50395	187.58914	313.48349	5.20488	0.1104893	0.18705625	3.0279909	21	8 2.0	21.2
300856 2007 YP_{36}	15.6	X	42.28004	199.11897	99.00121	11.21130	0.0824941	0.19320603	2.9633908	21	10 4.8	19.7
300857 2007 YW_{37}	15.6	X	309.67724	252.07048	93.46841	12.16978	0.1403743	0.18738783	3.0244179	21	7 2.9	19.4
300858 2007 YD_{43}	15.4	X	202.95082	141.86180	308.48356	15.09124	0.2525559	0.18258669	3.0772065	21	7 8.7	20.8
300859 2007 YP_{45}	15.8	X	310.95435	63.76941	293.65813	6.99266	0.1199991	0.18562289	3.0435588	21	7 23.6	19.7
300860 2007 YW_{46}	16.1	X	293.74314	260.73656	118.66874	5.57198	0.0422161	0.18460916	3.0546905	21	8 8.2	20.2
300861 2007 YJ_{51}	16.4	X	173.77041	112.51708	109.74220	3.20441	0.0102300	0.20339330	2.8635952	21	11 28.1	20.4
300862 2007 YS_{68}	15.7	X	319.68278	166.06262	109.71782	4.37855	0.1414094	0.16703442	3.2653675	21	4 20.3	19.9
300863 2007 YA_{69}	16.9	X	283.14237	183.54836	320.04420	3.52851	0.0711115	0.21101909	2.7941833	21	12 31.0	20.5
300864 2007 YM_{69}	16.5	X	253.42155	329.26188	130.13451	3.21936	0.0425390	0.19502368	2.9449493	21	9 29.0	20.6
300865 2007 YR_{71}	15.4	X	266.58795	214.24790	166.71968	18.70100	0.1661143	0.17821534	3.1273224	21	6 18.7	20.4
300866 2007 YC_{72}	15.2	X	115.36596	251.16316	261.32787	7.90211	0.0281514	0.17510486	3.1642485	21	6 19.4	19.6
300867 2008 AR_{4}	16.3	X	313.30468	108.76373	11.41788	7.65407	0.1804889	0.21080899	2.7960395	21	—	—
300868 2008 AN_{11}	15.9	X	246.30230	275.33642	142.11559	6.34385	0.1234059	0.18557841	3.0440452	21	7 15.6	20.4
300869 2008 AA_{13}	15.9	X	259.55888	125.49537	284.98391	13.04818	0.0750717	0.18613220	3.0380042	21	7 27.2	20.2
300870 2008 AS_{24}	15.9	X	141.66978	155.27977	352.28936	5.39099	0.0659357	0.17674533	3.1446386	21	7 19.7	20.6
300871 2008 AT_{27}	15.9	X	123.94014	57.16273	128.50557	3.78196	0.0680106	0.17641499	3.1485631	21	8 15.7	20.4
300872 2008 AV_{29}	16.4	X	334.65262	80.96814	16.04621	4.78192	0.1330518	0.21336775	2.7736407	21	—	—
300873 2008 AD_{32}	16.4	X	210.58621	305.36042	128.17419	4.67129	0.1521384	0.18218586	3.0817183	21	6 27.1	21.3
300874 2008 AV_{54}	16.5	X	346.73240	269.33599	116.48702	4.17508	0.0844962	0.19948495	2.9008769	21	11 2.5	20.0
300875 2008 AM_{65}	16.3	X	79.42270	316.21551	228.29523	3.95841	0.1071979	0.17183833	3.2042226	21	6 26.2	20.7
300876 2008 AT_{74}	16.3	X	302.41988	110.85400	262.27574	4.96759	0.1197047	0.18792823	3.0186171	21	7 30.7	20.2
300877 2008 AO_{78}	15.4	X	350.90716	339.22897	318.71050	10.16398	0.0422867	0.17964414	3.1107183	21	7 13.3	19.6
300878 2008 AX_{78}	16.0	X	248.28720	106.96741	292.37985	11.10711	0.0642936	0.18089205	3.0963952	21	7 3.1	20.5
300879 2008 AE_{87}	15.3	X	261.24929	283.32810	107.16802	17.08025	0.1371500	0.18624575	3.0367693	21	6 27.6	19.7
300880 2008 AM_{92}	15.5	X	262.91016	43.37246	326.70923	9.87782	0.0368038	0.17878239	3.1207063	21	6 16.9	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
300881 2008 AO_{96}	15.9	X	257.07823	99.36838	327.20843	12.07713	0.0293078	0.18644768	3.0345763	21	8 22.3	20.2
300882 2008 AU_{96}	16.1	X	259.00960	322.20466	21.96185	5.82455	0.1608518	0.17242550	3.1969441	21	4 25.2	21.1
300883 2008 AT_{116}	16.6	X	283.39609	215.57605	177.92846	1.81373	0.0896227	0.18556411	3.0442015	21	8 4.7	20.6
300884 2008 AJ_{118}	15.8	X	166.32121	202.51079	346.41339	8.70228	0.0274906	0.19234767	2.9722005	21	10 3.9	20.0
300885 2008 AJ_{136}	15.4	X	66.53295	199.09874	21.62907	13.15425	0.0116983	0.17695367	3.1421699	21	7 15.0	20.0
300886 2008 AT_{136}	16.2	X	146.74512	312.54451	160.77493	7.66822	0.1390853	0.17445523	3.1720990	21	6 16.8	21.3
300887 2008 AH_{137}	15.1	X	234.62964	231.24519	172.34420	16.07598	0.0882377	0.17682960	3.1436396	21	6 19.9	20.1
300888 2008 AM_{137}	15.9	X	173.90341	26.29546	123.23324	11.45789	0.0579219	0.18241762	3.0791075	21	8 27.9	20.5
300889 2008 BL_{5}	15.6	X	219.03261	16.70763	59.03440	9.93116	0.0536565	0.18152797	3.0891596	21	7 16.7	20.2
300890 2008 BC_{12}	15.9	X	273.64257	95.69573	307.06837	9.79877	0.0739183	0.18635483	3.0355841	21	8 5.9	20.0
300891 2008 BO_{13}	15.5	X	313.43224	23.04404	292.93178	10.74502	0.0081526	0.17633967	3.1494596	21	6 17.0	19.9
300892 Taichung	16.4	X	127.35676	22.83721	145.88192	1.29005	0.1035569	0.17890562	3.1192730	21	8 1.2	21.1
300893 2008 BY_{16}	15.6	X	157.74155	204.47075	311.28424	8.01410	0.0752329	0.18288837	3.0738216	21	8 15.3	20.1
300894 2008 BB_{18}	15.9	X	196.74376	122.01574	323.20152	13.95487	0.1955842	0.17836562	3.1255656	21	6 29.3	21.3
300895 2008 BW_{23}	15.9	X	298.11995	43.71922	356.94836	9.83060	0.0963269	0.18959809	3.0008669	21	9 5.4	19.7
300896 2008 BF_{24}	15.3	X	155.50735	156.62799	333.24100	15.64552	0.0505911	0.17832504	3.1260397	21	7 14.6	20.1
300897 2008 BQ_{24}	15.3	X	300.26543	56.79312	298.90494	20.75599	0.0828730	0.18147272	3.0897866	21	7 12.4	19.5
300898 2008 BC_{25}	15.7	X	223.82177	301.60840	128.76519	10.39762	0.0667521	0.18293198	3.0733330	21	7 12.7	20.3
300899 2008 BX_{30}	16.0	X	197.96306	127.35243	315.18243	5.83424	0.1469201	0.17768871	3.1334985	21	6 27.0	21.0
300900 2008 BX_{32}	16.4	X	173.29149	117.02006	333.96593	6.54380	0.1280096	0.17176879	3.2050875	21	6 13.8	21.6
300901 2008 BH_{33}	15.7	X	220.69807	105.87968	338.57020	15.15132	0.1949827	0.18094482	3.0957932	21	7 21.1	20.9
300902 2008 BE_{34}	16.1	X	297.35996	88.41935	349.45962	11.26541	0.1241880	0.19604828	2.9346796	21	10 14.7	19.8
300903 2008 BX_{38}	15.2	X	64.15520	143.93884	357.89121	9.61816	0.1244627	0.15335493	3.4567732	21	4 13.5	19.8
300904 2008 BL_{39}	15.6	X	55.92616	245.98597	344.33786	9.38344	0.0266241	0.17853753	3.1235589	21	7 14.8	20.0
300905 2008 BZ_{40}	16.0	X	253.94545	247.68802	182.26220	10.61520	0.0720287	0.18770690	3.0209896	21	8 14.6	20.3
300906 2008 BQ_{41}	15.5	X	176.00278	143.65811	334.56454	12.57951	0.1450465	0.17952081	3.1121428	21	7 22.8	20.6
300907 2008 BJ_{42}	15.1	X	138.37007	105.94453	15.59387	8.21115	0.0436780	0.17133179	3.2105351	21	6 8.9	19.9
300908 2008 BV_{43}	16.3	X	240.79912	296.50995	168.87300	7.15833	0.1172579	0.19095776	2.9866053	21	9 9.2	20.7
300909 Kenthompson	15.7	X	212.79063	251.89088	168.85409	9.64449	0.0835479	0.17574264	3.1565884	21	6 17.8	20.6
300910 2008 BF_{48}	15.9	X	33.72803	284.20657	8.73792	10.17608	0.0337183	0.18594383	3.0400556	21	9 6.3	20.0
300911 2008 BG_{48}	16.0	X	244.00834	295.41253	83.95181	3.18668	0.0961494	0.17575810	3.1564033	21	5 29.9	20.6
300912 2008 BC_{50}	16.2	X	133.33873	217.42979	329.95386	8.16981	0.0697522	0.18352915	3.0666627	21	8 28.2	20.7
300913 2008 CL	16.4	X	94.08008	39.55203	18.31976	13.75028	0.2611062	0.23231673	2.6206905	21	2 25.2	19.8
300914 2008 CS_{3}	15.9	X	300.30568	72.84548	338.39674	17.13322	0.1841503	0.19144810	2.9815037	21	9 7.3	19.5
300915 2008 CQ_{10}	16.0	X	190.61597	310.12934	163.44791	11.29705	0.2450949	0.18124424	3.0923827	21	7 24.3	21.6
300916 2008 CM_{16}	16.3	X	237.18332	290.66473	159.68849	6.04072	0.1356574	0.18418536	3.0593745	21	8 14.3	20.8
300917 2008 CO_{16}	16.2	X	105.83602	245.37969	307.95112	1.55156	0.0105038	0.17602195	3.1532483	21	7 27.4	20.5
300918 2008 CU_{16}	16.2	X	232.05715	285.95888	155.84620	5.54295	0.1371269	0.18159574	3.0883911	21	7 28.9	20.9
300919 2008 CX_{16}	16.8	X	206.77495	308.31542	145.12818	3.46518	0.1855292	0.17957095	3.1115635	21	7 16.1	21.8
300920 2008 CA_{28}	15.8	X	189.67474	95.67056	357.87287	6.18825	0.0330446	0.17664161	3.1458695	21	7 5.5	20.4
300921 2008 CC_{29}	15.5	X	186.43256	150.81989	327.35438	9.68674	0.0301472	0.18093463	3.0959094	21	8 2.6	20.0
300922 2008 CU_{36}	15.6	X	129.89985	254.76114	163.71526	9.92901	0.0538262	0.15566171	3.4225372	21	3 18.5	20.5
300923 2008 CA_{54}	15.6	X	267.36716	223.63591	152.47941	11.27900	0.0975797	0.17854456	3.1234769	21	6 22.1	20.3
300924 2008 CR_{54}	16.5	X	216.69989	198.51663	245.54686	4.07442	0.1081485	0.18256598	3.0774392	21	7 18.1	21.2
300925 2008 CO_{68}	15.4	X	177.31005	320.25041	122.78014	13.49736	0.0713974	0.17030715	3.2233995	21	6 9.5	20.4
300926 2008 CJ_{69}	16.8	X	353.83979	87.12377	356.88695	14.25857	0.2866361	0.21360722	2.7715674	21	—	—
300927 2008 CE_{71}	16.0	X	338.83946	228.49205	225.61925	7.26943	0.1996989	0.21029697	2.8005761	21	—	—
300928 Uderzo	16.2	X	304.31342	170.72621	205.03302	0.95499	0.0462492	0.18344274	3.0676257	21	8 16.4	20.2
300929 2008 CU_{73}	15.4	X	194.01830	104.36921	349.41856	15.64078	0.0565397	0.17637715	3.1490133	21	7 13.1	20.3
300930 2008 CQ_{77}	15.7	X	198.05150	120.61392	349.56053	9.17941	0.0593542	0.18100879	3.0950638	21	8 6.0	20.3
300931 2008 CS_{97}	15.9	X	290.13807	253.27789	101.20228	3.25087	0.1107693	0.17597158	3.1538500	21	6 21.1	20.2
300932 Kyslyuk	15.5	X	16.63716	294.02118	151.32797	13.06066	0.1834331	0.21479212	2.7613651	21	—	—
300933 2008 CG_{118}	15.6	X	281.65688	218.47548	172.86888	10.67776	0.1135369	0.18353078	3.0666446	21	7 25.5	19.9
300934 2008 CS_{119}	15.8	X	83.47797	209.50726	355.52189	4.24929	0.0437262	0.17483417	3.1675137	21	7 19.6	20.2
300935 2008 CH_{125}	15.4	X	21.23185	280.19611	295.08844	12.65858	0.1260026	0.16963943	3.2318524	21	5 7.7	19.5
300936 2008 CE_{129}	15.6	X	222.41889	86.42974	313.63122	7.65589	0.0245966	0.17097879	3.2149525	21	6 6.2	20.3
300937 2008 CR_{131}	16.6	X	195.05880	305.97987	145.09895	5.49272	0.1548012	0.17717510	3.1395514	21	7 3.9	21.8
300938 2008 CF_{135}	16.3	X	248.25964	66.67940	301.29445	4.16409	0.1369681	0.17304143	3.1893534	21	5 15.1	21.3
300939 2008 CD_{138}	16.0	X	97.38610	41.00571	123.07584	5.40619	0.0304616	0.16826353	3.2494465	21	6 12.6	20.6
300940 2008 CQ_{140}	16.4	X	180.00876	296.69117	165.03528	3.70550	0.1636406	0.17452329	3.1712742	21	7 3.3	21.7
300941 2008 CE_{155}	15.5	X	291.47787	284.90283	133.46619	16.79725	0.1931314	0.19114828	2.9846206	21	9 5.9	19.3
300942 2008 CM_{168}	16.4	X	307.00045	83.07338	322.89577	1.11797	0.0653999	0.20260245	2.8710423	21	9 28.5	20.0
300943 2008 CT_{175}	15.8	X	275.52051	314.14703	114.39958	11.62293	0.0835765	0.18896992	3.0075136	21	9 14.7	20.0
300944 2008 CC_{176}	15.5	X	155.09097	123.76641	352.20429	17.26658	0.0921836	0.17310577	3.1885631	21	6 26.8	20.7
300945 2008 CM_{177}	15.8	X	200.51113	83.82850	343.16116	12.45992	0.1467836	0.17434689	3.1734129	21	6 8.9	21.1
300946 2008 CC_{179}	15.6	X	139.55736	155.25259	22.77137	12.19103	0.0819180	0.17984217	3.1084343	21	8 29.8	20.4
300947 2008 CP_{183}	15.5	X	259.14428	280.12970	111.97575	11.12011	0.0872075	0.17695100	3.1422016	21	7 3.4	20.1
300948 2008 CV_{184}	15.2	X	166.77907	238.73074	245.62101	25.30288	0.2652711	0.17670244	3.1451475	21	7 13.7	21.1
300949 2008 CM_{185}	15.6	X	286.57924	72.96510	324.39347	7.15701	0.0814130	0.18718742	3.0265762	21	8 15.9	19.5
300950 2008 CJ_{193}	16.4	X	267.53232	245.09589	169.15757	11.39090	0.1391257	0.18397256	3.0617332	21	8 2.1	20.9
300951 2008 CK_{193}	16.0	X	233.16588	254.87723	179.41965	6.41335	0.1314978	0.17825088	3.1269067	21	7 20.7	20.9
300952 2008 CS_{194}	16.1	X	221.76591	236.94031	196.40834	5.00670	0.1666257	0.17591354	3.1545436	21	7 5.9	21.2
300953 2008 CS_{203}	15.8	X	20.42771	80.92298	174.56847	4.67342	0.0947597	0.17123238	3.2117775	21	6 30.9	19.9
300954 2008 CY_{209}	16.0	X	254.39931	263.59617	167.83989	10.77513	0.1286324	0.18581446	3.0414665	21	8 9.9	20.5
300955 2008 DR_{1}	15.9	X	211.92832	98.51974	318.48355	8.73641	0.0829374	0.17609177	3.1524147	21	6 11.5	20.8
300956 2008 DA_{7}	16.5	X	298.70783	230.60583	147.70254	5.22112	0.1032763	0.18585597	3.0410137	21	8 4.3	20.3
300957 2008 DN_{11}	16.1	X	279.86678	74.17819	328.94623	8.65488	0.0925566	0.18619915	3.0372760	21	8 13.2	20.3
300958 2008 DH_{13}	15.7	X	216.42674	100.24726	359.37654	10.95512	0.1307452	0.18053569	3.1004686	21	8 8.9	20.6
300959 2008 DF_{24}	15.3	X	82.80367	167.30571	333.59422	14.68497	0.0644097	0.16049100	3.3535305	21	4 23.9	20.3
300960 2008 DR_{29}	15.8	X	262.70401	54.25418	339.21356	14.62520	0.1459067	0.17865876	3.1221457	21	7 4.0	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
300961 2008 DQ_{33}	15.4	X	130.68041	130.10452	21.74696	9.62861	0.0304520	0.17397766	3.1779012	21	7 9.2	20.1
300962 2008 DU_{33}	15.1	X	150.69241	118.80855	12.08511	12.40572	0.0389295	0.17380635	3.1799891	21	7 7.9	19.9
300963 2008 DH_{48}	15.7	X	159.21400	116.54833	1.29559	10.84172	0.1326792	0.17145568	3.2089883	21	7 5.0	21.0
300964 2008 DP_{51}	16.2	X	22.83623	79.03612	352.98880	10.98164	0.1522905	0.21631371	2.7484005	21	—	—
300965 2008 DM_{52}	16.0	X	220.09402	285.92493	194.71239	17.06627	0.2112096	0.18334656	3.0686984	21	8 24.9	21.2
300966 2008 DH_{71}	16.0	X	164.16350	120.85618	0.98515	14.79274	0.0932293	0.17525631	3.1624253	21	7 15.8	21.1
300967 2008 DQ_{83}	16.3	X	162.11671	287.99717	201.48402	12.94116	0.2694232	0.17343160	3.1845682	21	7 20.8	22.2
300968 2008 EN_{3}	15.1	X	278.30360	259.36602	19.30854	10.23124	0.1272465	0.15458952	3.4383443	21	3 8.3	20.2
300969 2008 EJ_{19}	15.9	X	221.29460	99.68886	345.65305	11.76300	0.0865518	0.18388045	3.0627556	21	7 30.6	20.6
300970 2008 EQ_{29}	15.3	X	254.94627	252.36533	187.86920	16.97740	0.2122648	0.18041936	3.1018012	21	8 8.8	20.3
300971 2008 EQ_{38}	15.3	X	171.33942	61.61407	35.79226	10.22343	0.0640113	0.16886296	3.2417520	21	6 17.8	20.3
300972 2008 EY_{45}	15.3	X	232.62111	209.57404	209.39368	17.50751	0.2123764	0.17326536	3.1866049	21	6 23.9	20.8
300973 2008 EW_{50}	15.8	X	164.59039	322.85346	188.46953	11.86367	0.1700125	0.17800485	3.1297873	21	8 16.4	21.1
300974 2008 EH_{83}	15.5	X	199.38431	262.93003	180.83590	16.42166	0.1925381	0.17721366	3.1390959	21	6 27.5	21.0
300975 2008 EM_{83}	15.7	X	213.61903	252.65779	193.79773	12.93712	0.1449747	0.17911657	3.1168234	21	7 14.1	20.9
300976 2008 ER_{85}	15.6	X	253.19296	61.67473	3.25649	7.72987	0.1308558	0.18031179	3.1030347	21	8 3.9	20.3
300977 2008 EE_{91}	15.5	X	150.25683	276.09028	200.20031	25.13304	0.2449740	0.17217710	3.2000183	21	6 25.9	21.4
300978 2008 ED_{98}	15.2	X	157.25330	302.84458	172.12743	26.99628	0.3185036	0.17645444	3.1480938	21	7 4.2	21.4
300979 2008 EZ_{103}	15.1	X	189.13100	89.15962	23.70046	21.14350	0.2355336	0.17376832	3.1804529	21	7 31.3	21.0
300980 2008 ED_{108}	15.3	X	155.61501	295.19306	190.37651	28.03671	0.1230891	0.17379912	3.1800772	21	7 6.2	20.9
300981 2008 EU_{130}	16.6	X	191.69368	9.96597	88.68070	4.02669	0.2399655	0.17593028	3.1543435	21	7 8.8	22.0
300982 2008 EJ_{133}	15.6	X	294.17274	175.32050	194.16638	10.84136	0.1170572	0.17874688	3.1211195	21	7 13.3	20.0
300983 2008 EK_{138}	15.9	X	186.54546	272.86020	189.62797	17.71239	0.1875462	0.17523398	3.1626939	21	7 7.9	21.5
300984 2008 ES_{163}	15.8	X	190.94556	128.34601	357.33825	4.80013	0.1005204	0.17791423	3.1308500	21	8 14.6	20.6
300985 2008 FB_{1}	15.6	X	136.17398	325.98705	160.02116	7.07845	0.0280976	0.16807657	3.2518558	21	6 12.3	20.4
300986 2008 FL_{1}	14.7	X	277.52808	351.10273	151.75467	7.85909	0.0808866	0.12641344	3.9319430	21	12 4.4	20.2
300987 2008 FT_{8}	15.8	X	278.44305	247.34005	147.94940	9.43842	0.1196919	0.18160120	3.0883291	21	7 26.3	20.0
300988 2008 FW_{11}	16.0	X	218.35388	71.14491	347.55710	4.63874	0.1305911	0.17509141	3.1644105	21	6 17.6	21.0
300989 2008 FK_{16}	15.9	X	224.45572	238.40037	164.82626	4.74908	0.1632162	0.17161042	3.2070590	21	6 3.4	21.1
300990 2008 FN_{29}	15.9	X	187.65827	289.90297	172.82585	11.13083	0.0688649	0.17567061	3.1574511	21	7 11.9	20.9
300991 2008 FF_{41}	14.0	X	339.88571	210.32480	76.88427	6.24819	0.2092586	0.08256470	5.2232376	21	6 3.1	20.0
300992 2008 FB_{62}	16.1	X	203.25536	140.62641	344.80745	9.96617	0.1384317	0.18197459	3.0841031	21	8 24.9	20.9
300993 2008 FP_{117}	13.0	X	326.36251	267.77380	32.63109	15.29134	0.1573348	0.08132271	5.2762839	21	5 30.2	19.5
300994 2008 FS_{134}	14.7	X	307.18238	274.56018	216.60352	7.90899	0.1263349	0.12445283	3.9731307	21	12 22.5	19.8
300995 2008 GJ_{20}	15.1	X	17.20258	195.28718	81.07034	24.06125	0.0974225	0.18543042	3.0456644	21	7 26.3	19.2
300996 2008 GG_{21}	15.4	X	157.28824	108.97087	16.85620	18.61790	0.1297864	0.16943307	3.2344759	21	7 15.5	20.9
300997 2008 GM_{23}	15.7	X	296.42554	277.63378	159.96103	8.41350	0.1796682	0.18935978	3.0033842	21	10 10.6	19.3
300998 2008 GF_{34}	15.6	X	204.51754	253.91170	194.66810	16.44299	0.1516445	0.17297336	3.1901901	21	7 7.7	21.0
300999 2008 GP_{49}	13.5	X	295.72121	121.46787	195.25897	13.26177	0.0084521	0.08254528	5.2240569	21	5 31.1	20.5
301000 2008 GG_{69}	13.9	X	175.41835	302.04570	149.91460	5.76326	0.0322147	0.08366310	5.1774202	21	6 17.9	20.9
301001 2008 GE_{92}	15.5	X	235.41306	70.84388	30.69165	17.24382	0.2278521	0.18063194	3.0993671	21	8 26.3	20.8
301002 2008 GQ_{98}	13.3	X	51.92187	17.00161	198.26916	12.79934	0.1349185	0.08277946	5.2141995	21	7 1.1	20.0
301003 2008 GU_{98}	16.0	X	23.23329	68.88970	28.92043	13.86764	0.1363159	0.22415647	2.6839136	21	—	—
301004 2008 GH_{117}	15.5	X	220.28864	263.50461	194.78573	15.40304	0.2278727	0.17454046	3.1710661	21	7 27.9	21.0
301005 2008 GL_{117}	13.3	X	18.93690	48.90449	202.80096	22.35358	0.0512839	0.08429144	5.1516584	21	6 21.3	20.2
301006 2008 GH_{120}	15.1	X	249.24867	246.72921	178.02071	26.43199	0.2147083	0.17809329	3.1287510	21	7 15.9	20.5
301007 2008 GM_{140}	13.7	X	294.76245	123.75812	218.10086	19.10740	0.0903798	0.08288888	5.2096099	21	6 15.2	20.6
301008 2008 GK_{141}	14.0	X	303.26986	107.57896	224.83546	9.45752	0.0596244	0.08280707	5.2130407	21	6 19.4	20.8
301009 2008 GS_{141}	13.9	X	15.65380	129.52636	128.88967	5.16342	0.0787993	0.08214790	5.2408904	21	6 27.8	20.4
301010 2008 HB_{61}	13.2	X	320.35834	104.59047	201.70074	27.11208	0.0638862	0.08028000	5.3218724	21	6 9.3	20.3
301011 2008 JO	18.4	X	70.72875	194.83462	276.87064	5.36737	0.5456641	0.53183634	1.5087503	21	—	—
301012 2008 JL_{17}	13.7	X	334.67422	162.51760	137.74092	6.68326	0.0760854	0.08202895	5.2459557	21	6 21.2	20.3
301013 2008 JJ_{18}	13.1	X	299.77579	199.67458	145.68307	7.87976	0.0528494	0.08194928	5.2493549	21	7 1.2	20.0
301014 2008 KX_{20}	16.2	X	277.23408	329.51929	77.18804	15.12132	0.2087227	0.24208819	2.5496877	21	7 31.8	19.7
301015 2008 PW_{16}	16.9	X	202.27884	196.39865	170.80994	23.62572	0.0748722	0.35567085	1.9728945	21	3 11.7	19.1
301016 2008 QJ_{32}	17.2	X	323.82822	71.91122	310.04471	7.12423	0.1935180	0.30218693	2.1993057	21	9 25.5	18.6
301017 2008 RF_{107}	18.4	X	42.45113	172.00086	158.73583	2.11686	0.1382864	0.30959586	2.1640766	21	12 10.1	21.0
301018 2008 RN_{126}	13.4	X	301.97246	325.43763	149.71542	5.22295	0.0367196	0.08464485	5.1373090	21	11 29.7	20.2
301019 2008 RX_{129}	19.1	X	24.66392	344.30801	44.61206	1.81253	0.1971001	0.31557441	2.1366573	21	—	—
301020 2008 RW_{146}	16.3	X	342.59351	270.40107	243.38756	8.46966	0.1724421	0.24285144	2.5443426	21	—	—
301021 Sofiarodriguez	17.4	X	18.69086	302.09119	341.44754	7.07126	0.1260723	0.29551352	2.2322927	21	8 17.7	19.2
301022 2008 SZ_{28}	18.3	X	87.95984	42.81050	224.82473	4.07293	0.1555086	0.30953574	2.1643568	21	11 10.4	21.3
301023 2008 SN_{67}	18.1	X	44.25506	111.51086	228.79063	0.50344	0.1949389	0.31273378	2.1495762	21	—	—
301024 2008 SH_{74}	17.8	X	357.82015	31.92971	316.28584	3.96603	0.1816244	0.30447848	2.1882569	21	10 26.1	19.4
301025 2008 SW_{91}	17.6	X	273.25662	114.95528	357.11045	3.88911	0.0758632	0.30945136	2.1647502	21	11 24.8	19.7
301026 2008 SH_{104}	17.7	X	286.18876	212.81641	211.35054	1.67288	0.0731341	0.30025067	2.2087508	21	10 4.4	19.7
301027 2008 SN_{128}	17.9	X	16.93432	357.82683	284.06105	2.02824	0.1568112	0.29398095	2.2400442	21	8 12.9	19.7
301028 2008 SP_{194}	18.1	X	322.65806	219.02397	202.21594	3.38922	0.1421962	0.30704993	2.1760225	21	12 7.7	19.6
301029 2008 SW_{205}	17.5	X	66.71739	199.87852	62.56639	7.69903	0.1849682	0.29944925	2.2126899	21	10 15.7	20.3
301030 2008 SO_{224}	17.2	X	24.99132	223.51427	339.82040	1.93432	0.1470208	0.27606865	2.3359201	21	4 17.3	18.9
301031 2008 SA_{243}	17.5	X	243.08488	27.23881	56.22559	3.98021	0.0712994	0.29353630	2.2423058	21	8 30.2	20.2
301032 2008 SC_{258}	17.7	X	55.40422	315.92410	46.14710	2.68324	0.1553169	0.31467313	2.1407352	21	—	—
301033 2008 SB_{266}	17.7	X	87.35391	6.54878	204.06496	5.29131	0.0558949	0.28862216	2.2676861	21	8 4.0	20.4
301034 2008 SG_{266}	18.0	X	289.06327	296.26708	98.80803	0.58650	0.0697473	0.29638392	2.2279202	21	8 26.2	20.1
301035 2008 SH_{268}	17.5	X	309.14898	165.73111	249.02465	4.25011	0.1161444	0.30317279	2.1945353	21	10 26.7	19.3
301036 2008 SG_{283}	17.4	X	190.52732	130.80066	18.09924	5.96503	0.0716745	0.29588466	2.2304257	21	9 22.8	20.4
301037 2008 SN_{291}	12.9	X	56.30820	47.18972	286.21725	12.12816	0.0825417	0.08268575	5.2181386	21	11 9.3	19.8
301038 2008 SM_{297}	17.5	X	267.67442	278.33618	168.92372	5.14919	0.1068848	0.30039096	2.2080631	21	10 4.9	19.6
301039 2008 SQ_{305}	17.8	X	158.18642	119.39895	61.53266	5.12802	0.0667287	0.29295204	2.2452861	21	9 29.1	20.8
301040 2008 TX_{20}	18.4	X	89.82985	102.68972	200.47440	0.46972	0.0786456	0.31131046	2.1561232	21	12 23.2	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
301041 2008 TY_{32}	17.9	X	142.03069	33.13979	183.26973	5.05813	0.0698837	0.30430235	2.1891012	21	10 28.2	20.7
301042 2008 TX_{38}	18.5	X	47.88755	43.76124	235.78656	5.02139	0.1641833	0.30014332	2.2092775	21	10 6.4	20.9
301043 2008 TG_{56}	18.5	X	73.14886	67.86787	210.83838	1.95509	0.1915649	0.30775521	2.1726967	21	11 12.9	21.2
301044 2008 TQ_{65}	17.1	X	171.14542	248.51556	229.69897	4.32359	0.1459186	0.28666904	2.2779745	21	7 15.7	20.5
301045 2008 TY_{98}	17.8	X	11.92393	50.32815	193.16752	6.31963	0.0934426	0.28459927	2.2890057	21	5 26.3	19.9
301046 2008 TZ_{112}	17.6	X	311.10615	15.30981	40.83282	6.49839	0.0619423	0.30467879	2.1872977	21	11 5.9	19.6
301047 2008 TJ_{124}	17.9	X	29.45619	21.94006	294.80638	3.06257	0.1687371	0.30637603	2.1792122	21	11 4.3	20.0
301048 2008 TB_{162}	17.6	X	54.29614	205.16898	19.48725	5.59384	0.1152773	0.28457069	2.2891589	21	7 18.7	20.0
301049 2008 TP_{168}	17.8	X	1.98731	225.04003	43.39008	0.71894	0.1809402	0.28487990	2.2875022	21	6 13.4	19.3
301050 2008 TV_{177}	17.4	X	303.18766	282.01019	119.57689	6.71148	0.1548035	0.29913169	2.2142557	21	9 22.5	19.3
301051 2008 TP_{180}	17.2	X	154.70471	356.42168	24.49916	21.35089	0.1004716	0.34501407	2.0133140	21	2 15.9	20.1
301052 2008 TY_{187}	17.7	X	182.04655	222.54810	315.66252	3.29919	0.1229406	0.30331715	2.1938389	21	10 17.1	20.8
301053 2008 UX_{1}	17.6	X	16.04042	132.14694	227.95368	3.66298	0.1251740	0.30615767	2.1802483	21	12 10.8	19.9
301054 2008 UT_{13}	17.5	X	0.21462	63.77185	223.13691	6.11115	0.1394164	0.29370056	2.2414697	21	7 11.0	19.3
301055 2008 US_{26}	18.0	X	188.74683	334.52440	161.75491	0.80167	0.0879398	0.29215665	2.2493595	21	8 31.3	21.1
301056 2008 UR_{46}	18.0	X	334.82762	102.45946	285.01909	2.09126	0.1038682	0.30178216	2.2012718	21	11 3.7	19.7
301057 2008 UH_{50}	17.7	X	99.33124	314.77306	216.95250	2.18657	0.1425930	0.28156539	2.3054190	21	7 9.8	20.6
301058 2008 UX_{61}	17.6	X	87.98999	291.90083	16.94089	5.10489	0.1487544	0.31299327	2.1483880	21	—	—
301059 2008 UC_{72}	16.6	X	309.60555	283.70018	348.22427	6.10868	0.1241491	0.27127404	2.3633637	21	3 17.9	19.3
301060 2008 UU_{80}	18.1	X	108.57867	206.06794	75.49378	2.08216	0.1522543	0.31529600	2.1379149	21	12 19.7	21.2
301061 Egelsbach	18.1	X	277.67145	43.70886	30.06895	2.92328	0.1048871	0.29870604	2.2163587	21	9 30.7	20.3
301062 2008 UA_{103}	17.8	X	23.73368	41.24471	221.71648	6.31068	0.1074992	0.29005942	2.2601889	21	7 18.6	20.0
301063 2008 UE_{126}	17.6	X	277.70013	123.94148	280.77085	4.23046	0.1179724	0.29141545	2.2531719	21	8 11.9	20.2
301064 2008 UG_{126}	16.8	X	62.78378	358.76983	265.81280	6.37398	0.0873129	0.29254313	2.2473780	21	9 20.3	19.6
301065 2008 UB_{127}	17.0	X	105.55222	224.22255	232.18559	5.27218	0.0696268	0.26333689	2.4106172	21	3 21.0	20.0
301066 2008 UR_{140}	17.6	X	2.51198	211.83005	80.90082	1.14286	0.1937837	0.29154115	2.2525242	21	7 31.8	18.8
301067 2008 UC_{143}	18.6	X	91.34029	126.09373	154.69721	1.31586	0.1265590	0.30665527	2.1778891	21	11 28.6	21.6
301068 2008 UH_{151}	18.1	X	278.53926	186.69660	204.87058	0.93157	0.1427854	0.29054829	2.2576529	21	7 21.0	20.6
301069 2008 UA_{163}	17.6	X	0.69434	303.26903	334.27599	2.84818	0.0935017	0.28732583	2.2745017	21	6 27.7	19.6
301070 2008 UJ_{170}	17.1	X	163.42962	153.76626	329.19057	4.95284	0.0604076	0.28706563	2.2758759	21	7 13.4	20.1
301071 2008 UZ_{170}	18.3	X	349.14684	315.12172	357.79877	2.56685	0.1829597	0.29300861	2.2449971	21	8 1.9	19.6
301072 2008 UZ_{190}	17.8	X	121.31390	64.94510	136.83749	2.76546	0.1008739	0.29423020	2.2387790	21	9 13.9	20.6
301073 2008 UU_{200}	17.4	X	288.82332	261.84000	161.72552	0.18981	0.0775615	0.29993121	2.2103189	21	10 7.7	19.5
301074 2008 UL_{208}	17.6	X	128.66092	283.13429	231.10259	5.56989	0.0765396	0.28367736	2.2939622	21	7 12.9	20.7
301075 2008 US_{208}	16.8	X	26.72383	297.25234	237.65001	5.75876	0.1046369	0.26585799	2.3953532	21	3 6.9	19.4
301076 2008 UK_{225}	17.4	X	70.55613	199.97040	359.62006	4.82349	0.1196748	0.27787140	2.3258060	21	7 6.9	20.0
301077 2008 UG_{238}	17.6	X	260.42835	34.19881	302.86737	2.69691	0.1131092	0.27728925	2.3290601	21	4 13.4	20.9
301078 2008 UF_{247}	17.3	X	349.87077	201.39186	65.19099	2.55870	0.1940089	0.27810390	2.3245095	21	5 9.3	18.8
301079 2008 UV_{254}	17.6	X	44.71144	48.70197	228.23297	7.70070	0.1421721	0.29525246	2.2336084	21	9 21.7	20.2
301080 2008 UK_{257}	18.0	X	291.74014	180.85329	249.28395	3.56066	0.1109031	0.29993713	2.2102899	21	10 17.0	20.0
301081 2008 UD_{265}	17.4	X	78.64352	349.34840	258.36327	6.36119	0.1437684	0.29624759	2.2286036	21	9 27.1	20.4
301082 2008 UZ_{266}	17.4	X	42.82248	280.89426	259.57323	4.21339	0.1527148	0.26934732	2.3746209	21	4 19.8	19.5
301083 2008 UV_{287}	18.6	X	161.66028	152.46269	89.83552	2.96632	0.0342124	0.31238152	2.1511919	21	12 28.7	21.1
301084 2008 UG_{293}	17.9	X	23.77320	197.92529	19.78463	7.66462	0.0616960	0.27585017	2.3371533	21	5 4.9	20.5
301085 2008 UG_{313}	17.6	X	352.85170	347.16231	354.73944	6.63433	0.1535540	0.29929618	2.2134443	21	9 30.4	19.2
301086 2008 UQ_{315}	17.9	X	329.96078	248.11258	66.63548	2.88022	0.2408170	0.28791209	2.2714130	21	6 4.7	19.7
301087 2008 UQ_{338}	17.8	X	62.70823	216.85351	42.71468	6.99561	0.0448846	0.29073792	2.2566711	21	9 13.4	20.5
301088 2008 UW_{339}	17.4	X	60.09596	294.13702	209.00475	5.87907	0.0526617	0.26554719	2.3972219	21	3 16.7	20.3
301089 2008 UE_{340}	18.0	X	150.51401	273.69603	220.66162	2.57536	0.1122052	0.28055425	2.3109550	21	7 14.9	21.4
301090 2008 US_{341}	17.9	X	216.37286	240.68139	233.16020	3.71970	0.0976788	0.29270439	2.2465524	21	8 30.5	21.0
301091 2008 UX_{344}	17.2	X	301.43567	7.22015	212.68250	2.25188	0.1279448	0.25712420	2.4492930	21	—	—
301092 2008 UG_{345}	17.8	X	44.45176	263.69386	48.59057	5.61597	0.2200510	0.30492629	2.1861140	21	11 27.7	20.5
301093 2008 UU_{348}	17.1	X	19.41617	54.25413	206.24402	6.58280	0.0875286	0.28184584	2.3038894	21	7 5.0	19.4
301094 2008 UA_{355}	17.9	X	324.79426	271.20371	77.01745	3.31673	0.1913015	0.29245610	2.2478238	21	8 1.5	19.4
301095 2008 UQ_{355}	17.4	X	270.74338	313.43709	344.00393	4.59380	0.2234606	0.26926862	2.3750835	21	2 24.0	21.2
301096 2008 UF_{358}	16.2	X	182.03650	355.41852	260.02087	13.44896	0.1429919	0.23718150	2.5847319	21	—	—
301097 2008 UN_{360}	17.7	X	27.53479	25.60992	227.28080	3.05542	0.1237074	0.28356182	2.2945854	21	7 12.7	19.8
301098 2008 UC_{361}	17.9	X	254.06948	255.25696	185.85088	6.96259	0.0935436	0.29357652	2.2421010	21	9 4.0	20.4
301099 2008 UA_{366}	17.6	X	35.45850	214.77965	141.06785	2.81083	0.0907640	0.30990893	2.1626189	21	12 27.9	20.0
301100 2008 UF_{369}	17.4	X	189.20647	97.79229	70.49615	6.03989	0.1050861	0.29708815	2.2243980	21	10 16.7	20.4
301101 2008 UB_{370}	16.0	X	45.88299	161.51903	274.02719	12.32730	0.1513895	0.24227592	2.5483704	21	—	—
301102 2008 VF_{23}	17.5	X	113.85384	322.90271	215.76185	4.71124	0.0983099	0.28106767	2.3081399	21	7 30.8	20.6
301103 2008 VB_{30}	17.1	X	346.16233	255.02777	27.11223	6.66664	0.1441585	0.28383265	2.2931254	21	5 31.1	19.1
301104 2008 VV_{48}	17.0	X	326.24473	353.01687	236.79946	4.27210	0.1541177	0.26059075	2.4275232	21	2 7.5	20.0
301105 2008 VB_{67}	17.7	X	275.31097	251.03920	219.93106	5.90481	0.0743615	0.30313069	2.1947385	21	11 26.9	19.8
301106 2008 VW_{69}	16.9	X	32.42467	257.26452	336.44812	8.25916	0.1414824	0.28032620	2.3122081	21	6 24.6	19.1
301107 2008 VG_{70}	17.8	X	327.06672	267.72150	67.51850	9.01490	0.1765259	0.28910735	2.2651482	21	7 17.1	19.6
301108 2008 VE_{71}	17.3	X	359.67329	233.01257	44.16867	4.97173	0.1406940	0.28267304	2.2993926	21	6 24.2	19.2
301109 2008 VQ_{71}	16.7	X	115.48318	101.12957	304.23982	12.24339	0.1203349	0.24541966	2.5265612	21	2 5.7	19.8
301110 2008 VQ_{77}	17.2	X	73.25243	304.71095	11.97662	4.62211	0.1811208	0.30911457	2.1663223	21	12 31.6	20.4
301111 2008 WC_{1}	17.6	X	96.56524	257.72824	238.73167	2.37384	0.1646538	0.26818064	2.3815028	21	5 20.8	20.5
301112 2008 WT_{1}	17.5	X	48.86726	243.40574	88.34232	4.41524	0.1914236	0.31035265	2.1605571	21	12 26.5	20.2
301113 2008 WP_{23}	17.6	X	315.78157	2.85240	33.53891	4.70474	0.1208905	0.29907452	2.2145378	21	10 11.5	19.4
301114 2008 WN_{25}	17.5	X	344.81773	50.02067	217.06728	1.14059	0.0943249	0.27962311	2.3160824	21	5 11.4	19.7
301115 2008 WM_{42}	17.6	X	26.72594	263.93543	289.53190	2.51914	0.1474615	0.26481856	2.4016171	21	4 6.4	19.5
301116 2008 WJ_{48}	17.4	X	284.77829	224.06096	70.77298	2.18320	0.1828668	0.26987989	2.3714958	21	3 11.5	20.7
301117 2008 WK_{48}	17.8	X	193.88760	190.91565	254.04025	1.70683	0.0991298	0.27906044	2.3191946	21	6 25.9	20.9
301118 2008 WG_{50}	17.9	X	171.13865	46.07334	69.10228	5.22861	0.0823569	0.28063775	2.3104965	21	7 12.1	21.1
301119 2008 WX_{56}	18.3	X	350.50681	97.12746	240.92113	2.33382	0.2345153	0.29828386	2.2184495	21	9 24.8	19.1
301120 2008 WC_{59}	17.3	X	42.89223	156.52063	51.21143	7.77015	0.0460703	0.27585006	2.3371540	21	5 22.1	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
301121 2008 WE_{59}	17.8	X	196.75816	49.62285	123.86005	3.62607	0.0461902	0.30093657	2.2053934	21	11 7.4	20.5
301122 2008 WQ_{64}	17.6	X	356.39916	346.93618	280.51001	2.76586	0.1540525	0.28441132	2.2900139	21	5 29.5	19.2
301123 2008 WT_{68}	17.5	X	313.76475	290.82574	80.98399	7.05106	0.1165119	0.29269830	2.2465836	21	8 30.7	19.6
301124 2008 WN_{70}	17.6	X	280.44228	196.72873	241.28016	4.20765	0.1719092	0.29619312	2.2288768	21	9 27.1	19.7
301125 2008 WP_{76}	17.4	X	55.85186	327.28836	215.97550	6.40618	0.1793323	0.26814607	2.3817075	21	5 27.8	19.6
301126 2008 WZ_{89}	16.9	X	105.91178	171.17454	293.08469	5.71086	0.0982840	0.25834125	2.4415945	21	4 5.5	20.2
301127 2008 WT_{91}	15.6	X	1.66205	312.82909	302.24894	3.54816	0.0927730	0.18109313	3.0941027	21	5 30.4	19.4
301128 2008 WV_{96}	17.8	X	218.03194	101.76278	329.16692	1.38921	0.1537775	0.28143503	2.3061309	21	6 30.6	21.2
301129 2008 WY_{105}	17.7	X	5.36925	76.27789	288.35467	5.40929	0.1318402	0.30412122	2.1899704	21	11 29.6	19.8
301130 2008 WJ_{110}	18.1	X	353.72836	277.06931	64.44809	5.88123	0.2274243	0.29854040	2.2171784	21	10 15.2	19.3
301131 2008 WQ_{116}	18.1	X	347.54068	131.65525	196.52079	0.81807	0.1500090	0.29099923	2.2553199	21	8 24.1	19.4
301132 2008 WX_{127}	17.8	X	84.28641	229.39289	65.83325	4.43127	0.1650285	0.30591732	2.1813901	21	12 12.6	20.7
301133 2008 WC_{134}	16.8	X	290.84542	247.37121	88.00155	6.25363	0.2034847	0.27655513	2.3331800	21	5 9.5	19.7
301134 2008 WZ_{134}	17.5	X	169.36096	356.04976	119.58149	2.34516	0.1610883	0.27839022	2.3229154	21	7 11.5	21.1
301135 2008 XR_{9}	17.7	X	287.61188	315.58090	108.07286	6.53675	0.1317386	0.29636533	2.2280133	21	10 1.1	19.9
301136 2008 XT_{9}	17.7	X	185.17480	26.44200	59.65515	6.33541	0.0586754	0.27266905	2.3552960	21	6 17.5	20.8
301137 2008 XS_{20}	16.6	X	151.72350	341.43566	98.13769	6.63473	0.0771430	0.26607430	2.3940549	21	5 2.8	19.9
301138 2008 XJ_{37}	16.9	X	335.79926	324.79884	273.60725	5.37932	0.1066352	0.26497290	2.4006844	21	3 11.1	19.7
301139 2008 XM_{38}	17.2	X	287.91603	215.07476	34.74208	2.93303	0.1487633	0.25703283	2.4498734	21	1 22.1	20.7
301140 2008 XV_{47}	17.3	X	210.03668	79.36495	278.15806	4.01531	0.0711812	0.26063119	2.4272721	21	3 17.8	20.7
301141 2008 XZ_{47}	17.9	X	196.89997	235.63674	145.86128	1.37468	0.1790192	0.26569768	2.3963166	21	4 7.1	21.6
301142 2008 XF_{48}	17.0	X	304.03151	337.61332	220.74769	1.61865	0.1378325	0.24067328	2.5596709	21	—	—
301143 2008 XJ_{48}	16.7	X	264.40411	217.87471	114.31495	5.15668	0.2482115	0.26920006	2.3754868	21	4 2.7	20.5
301144 2008 XY_{49}	16.5	X	211.03156	182.55356	112.28049	4.75758	0.0767146	0.24094218	2.5577661	21	1 4.3	20.3
301145 2008 XA_{53}	17.8	X	138.51298	249.99721	212.03695	0.87259	0.1435155	0.26611783	2.3937938	21	5 21.8	21.2
301146 2008 XN_{53}	17.5	X	18.18277	172.37245	205.80352	6.07893	0.1233239	0.30726407	2.1750114	21	—	—
301147 2008 XR_{53}	17.8	X	280.90045	316.55561	103.57757	3.43174	0.1318662	0.29342500	2.2428728	21	9 11.1	20.1
301148 2008 XW_{55}	16.0	X	63.33734	285.89790	13.02575	1.93645	0.0617565	0.20473265	2.8510926	21	10 25.7	19.8
301149 2008 XG_{56}	17.5	X	132.40758	61.30182	70.71794	2.81024	0.1141699	0.27385613	2.3484847	21	6 21.5	20.7
301150 2008 YB_{7}	16.9	X	93.62541	176.98577	324.29667	4.48072	0.0514063	0.26051887	2.4279697	21	5 3.5	20.0
301151 2008 YG_{7}	17.2	X	133.32146	280.36404	175.84036	1.39126	0.1376150	0.26418384	2.4054623	21	5 7.9	20.4
301152 2008 YT_{7}	17.0	X	157.15529	94.23697	325.42067	2.57840	0.1599575	0.26481143	2.4016602	21	4 15.8	20.7
301153 2008 YO_{9}	17.1	X	171.19135	3.13489	110.81278	6.50041	0.1465878	0.27287015	2.3541386	21	7 10.9	20.7
301154 2008 YD_{16}	16.4	X	99.24186	4.78212	284.35081	9.24409	0.2236412	0.21834573	2.7313221	21	12 10.3	21.0
301155 2008 YO_{17}	17.4	X	244.95670	286.35483	109.02823	6.07309	0.2092295	0.27774870	2.3264909	21	6 6.3	20.8
301156 2008 YA_{19}	17.0	X	245.68451	45.80341	309.90469	3.75398	0.0992821	0.26589222	2.3951476	21	4 23.4	20.5
301157 2008 YL_{19}	18.1	X	164.28705	131.75121	323.06514	0.96963	0.1486823	0.26914120	2.3758331	21	6 8.4	21.6
301158 2008 YT_{21}	16.2	X	118.03047	168.11404	123.28553	11.21492	0.1560563	0.21949261	2.7217994	21	12 25.9	20.6
301159 2008 YJ_{23}	17.1	X	40.37603	300.91974	77.90500	4.78756	0.2162801	0.31154621	2.1550354	21	—	—
301160 2008 YX_{29}	17.2	X	144.14268	146.52478	312.87600	3.07277	0.1269561	0.26559914	2.3969093	21	5 22.1	20.7
301161 2008 YO_{33}	17.2	X	124.32473	323.67854	142.00583	5.64022	0.1879294	0.26315851	2.4117064	21	5 17.8	20.7
301162 2008 YS_{34}	17.6	X	246.38600	113.84534	245.06558	1.90353	0.2601374	0.27196253	2.3593734	21	4 16.5	21.4
301163 2008 YZ_{36}	17.2	X	263.96003	243.68889	98.68194	3.44613	0.2079278	0.26838150	2.3803144	21	4 18.2	20.7
301164 2008 YF_{41}	16.9	X	132.29032	90.69176	6.00245	6.70409	0.0962578	0.26212629	2.4180336	21	4 30.1	20.2
301165 2008 YC_{50}	17.4	X	264.18818	40.81128	333.75647	4.70994	0.1684238	0.27522702	2.3406798	21	6 2.3	20.7
301166 2008 YQ_{53}	16.5	X	4.27567	126.44104	310.50477	21.53069	0.0325328	0.22828211	2.6514786	21	—	—
301167 2008 YR_{65}	15.2	X	73.71751	222.63203	343.38903	9.60371	0.1468465	0.18014978	3.1048948	21	7 25.2	19.5
301168 2008 YT_{65}	15.8	X	13.25184	315.21057	351.37832	10.36199	0.0520148	0.18921775	3.0048869	21	8 27.4	19.7
301169 2008 YQ_{67}	16.2	X	234.92641	113.07790	99.00092	16.02055	0.0938230	0.22799050	2.6537391	21	—	—
301170 2008 YT_{70}	16.7	X	124.02661	87.15426	318.58027	5.90062	0.1523155	0.25226459	2.4806483	21	2 21.3	20.0
301171 2008 YM_{78}	16.9	X	59.33766	324.91778	196.66693	2.33545	0.1211957	0.25672337	2.4518418	21	4 22.7	19.4
301172 2008 YD_{89}	16.8	X	157.02291	319.72471	309.58978	1.87682	0.0474603	0.22759460	2.6568156	21	—	—
301173 2008 YK_{97}	16.1	X	116.27185	187.44800	88.89295	4.38590	0.0557534	0.21651667	2.7466827	21	11 30.5	20.1
301174 2008 YF_{103}	17.0	X	294.77821	346.88626	236.11893	0.85875	0.0066215	0.24567040	2.5248417	21	1 15.2	20.4
301175 2008 YZ_{103}	17.6	X	226.50385	332.53248	4.42852	0.74363	0.0768576	0.25694484	2.4504327	21	3 12.4	21.1
301176 2008 YX_{104}	17.6	X	141.90441	268.56062	179.10066	1.06884	0.1566575	0.26348857	2.4096920	21	5 7.9	21.0
301177 2008 YZ_{104}	16.9	X	186.56420	126.08562	287.41651	4.45547	0.1037382	0.26621393	2.3932177	21	5 5.0	20.5
301178 2008 YK_{117}	17.5	X	238.22432	299.12340	101.42955	3.34818	0.1636218	0.27653511	2.3332926	21	6 10.1	20.9
301179 2008 YA_{128}	17.1	X	229.77422	49.48279	307.81599	5.53931	0.1619464	0.26278757	2.4139754	21	4 3.6	21.0
301180 2008 YE_{129}	17.2	X	201.59307	161.66493	78.42124	4.58230	0.1072830	0.22888168	2.6468461	21	—	—
301181 2008 YZ_{133}	17.0	X	246.45918	25.51430	274.11185	4.25702	0.1056151	0.26143275	2.4223082	21	2 10.8	20.6
301182 2008 YF_{138}	17.7	X	183.98099	267.01996	172.61814	1.13515	0.1534466	0.27212341	2.3584433	21	6 8.1	21.2
301183 2008 YH_{143}	17.7	X	186.94300	298.13869	131.43672	5.23510	0.1620193	0.27018491	2.3697107	21	5 29.8	21.4
301184 2008 YW_{145}	18.2	X	183.80660	127.40532	288.47895	0.59635	0.1770232	0.26661143	2.3908383	21	5 8.1	21.9
301185 2008 YY_{145}	17.3	X	187.25791	87.56680	305.22295	1.65057	0.1866752	0.26262866	2.4149490	21	4 11.7	21.2
301186 2008 YJ_{146}	16.8	X	100.08234	28.26275	192.11302	1.59563	0.0900932	0.19795900	2.9157652	21	9 3.9	20.9
301187 2008 YR_{147}	16.5	X	220.17195	331.19721	309.88731	7.99503	0.1646233	0.24317006	2.5421196	21	—	—
301188 2008 YH_{152}	16.4	X	174.70879	297.55528	269.70661	3.10600	0.0353020	0.21371608	2.7706261	21	11 9.7	20.4
301189 2008 YS_{152}	16.6	X	349.18975	261.34968	221.36009	2.82967	0.1070080	0.23523940	2.5989385	21	—	—
301190 2008 YS_{159}	17.4	X	220.23955	213.74932	155.47947	1.40384	0.1860635	0.26461881	2.4028256	21	4 12.3	21.3
301191 2008 YR_{161}	16.9	X	172.16801	142.17256	112.65130	2.70341	0.0244107	0.22798602	2.6537738	21	—	—
301192 2008 YZ_{165}	16.4	X	286.86820	111.55925	76.27605	13.71480	0.1228544	0.22693444	2.6619656	21	—	—
301193 2008 YW_{166}	16.3	X	356.84962	12.87163	242.03792	5.57404	0.0844121	0.27241340	2.3567693	21	5 15.7	18.8
301194 2008 YH_{167}	16.7	X	332.98274	276.33304	246.69306	5.47566	0.1564086	0.24303033	2.5430939	21	—	—
301195 2008 YM_{167}	17.1	X	136.33207	312.67294	161.48879	2.60997	0.1700984	0.26767438	2.3845047	21	6 7.5	20.6
301196 2008 YO_{168}	16.2	X	267.21222	86.98408	90.74171	11.51767	0.1309222	0.22451108	2.6810868	21	—	—
301197 2008 YR_{169}	16.9	X	233.67805	249.71798	117.61401	6.72098	0.1286162	0.26370717	2.4083601	21	4 28.2	20.5
301198 2008 YR_{171}	17.4	X	120.20892	129.16029	15.58329	3.99617	0.1389825	0.26772236	2.3842198	21	6 27.8	20.7
301199 2008 YA_{172}	15.9	X	17.42581	232.51484	156.27821	7.06489	0.0766291	0.21308804	2.7760674	21	12 22.0	19.5
301200 2009 AH	16.2	X	278.90695	183.64915	286.60347	8.59546	0.1214784	0.21741329	2.7391258	21	11 3.5	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
301201 2009 AO_{11}	16.7	X	107.12873	144.33511	307.79050	5.74469	0.1161550	0.25627018	2.4547315	21	3 24.9	19.9
301202 2009 AZ_{22}	18.2	X	185.78484	84.78243	34.00270	1.84275	0.1340280	0.27827738	2.3235434	21	8 2.2	21.7
301203 2009 AB_{24}	16.6	X	146.06056	221.64008	124.69498	16.07875	0.1519944	0.24225560	2.5485129	21	1 5.3	20.4
301204 2009 AU_{27}	17.1	X	131.78597	324.03343	348.68501	2.13924	0.0888997	0.22827760	2.6515136	21	—	—
301205 2009 AC_{30}	17.9	X	289.04192	153.09997	247.68128	1.88473	0.1176091	0.28839486	2.2688775	21	8 24.9	20.1
301206 2009 AC_{31}	17.5	X	159.22808	75.96715	203.73797	0.79395	0.0834786	0.22779667	2.6552442	21	—	—
301207 2009 AQ_{34}	17.3	X	231.60806	33.66642	17.40480	0.48723	0.1487280	0.27883711	2.3204328	21	6 18.4	20.5
301208 2009 AL_{41}	17.0	X	187.28693	83.28994	193.03129	0.73941	0.0731457	0.23216819	2.6218081	21	—	—
301209 2009 AU_{42}	16.6	X	126.46334	17.38267	313.34972	14.83143	0.2020154	0.23220339	2.6215432	21	—	—
301210 2009 AB_{44}	16.8	X	225.75759	269.06815	214.35403	1.27605	0.0175676	0.20560381	2.8430332	21	9 27.8	20.7
301211 2009 AC_{44}	17.1	X	44.10075	141.01621	251.82184	1.54761	0.0593180	0.22641196	2.6660593	21	—	—
301212 2009 AG_{44}	16.8	X	206.74554	68.17891	152.89390	5.46186	0.0994489	0.22031711	2.7150046	21	12 28.6	20.8
301213 2009 AP_{45}	16.2	X	351.79731	14.38064	295.24102	1.84448	0.0343161	0.18565220	3.0432385	21	7 28.6	20.2
301214 2009 AU_{45}	17.7	X	235.70055	43.39563	337.60215	3.77742	0.2148912	0.27078088	2.3662323	21	5 7.4	21.5
301215 2009 AL_{46}	16.2	X	87.90667	2.54492	311.89520	5.36955	0.0826455	0.21601741	2.7509131	21	12 17.6	20.2
301216 2009 AK_{48}	17.4	X	165.23974	234.93651	201.45183	1.93587	0.0730158	0.26702030	2.3883971	21	5 12.0	20.7
301217 2009 AQ_{49}	17.2	X	22.09806	339.16804	155.64104	6.53043	0.1228439	0.24383424	2.5375012	21	1 7.3	19.9
301218 2009 AP_{50}	16.5	X	140.32432	34.95051	4.77044	15.08791	0.1325294	0.25183197	2.4834884	21	3 6.8	20.1
301219 2009 BP_{2}	17.4	X	153.56763	92.27297	51.58850	4.05400	0.1279160	0.27402971	2.3474928	21	8 2.9	20.9
301220 2009 BK_{4}	17.0	X	162.63561	267.52004	158.39696	7.37202	0.2124117	0.26483167	2.4015378	21	5 5.9	21.0
301221 2009 BL_{5}	16.5	X	145.32799	229.62897	243.92405	6.83774	0.0978814	0.26671393	2.3902257	21	6 9.9	19.8
301222 2009 BK_{6}	16.8	X	94.25247	299.06082	199.99867	4.47163	0.0862164	0.26161196	2.4212018	21	5 9.7	19.7
301223 2009 BZ_{6}	17.4	X	147.47944	224.51486	220.42861	4.48850	0.1591672	0.26318280	2.4115580	21	5 10.4	20.9
301224 2009 BX_{8}	17.6	X	160.46237	191.56929	251.93329	0.51318	0.1589907	0.26654040	2.3912631	21	5 21.2	21.2
301225 2009 BD_{9}	17.7	X	144.57859	258.31455	196.97381	1.83675	0.1339229	0.26524124	2.3990650	21	5 18.8	21.0
301226 2009 BW_{12}	16.5	X	109.32637	181.69759	275.64118	6.15052	0.0614280	0.25615956	2.4554382	21	3 25.9	19.8
301227 2009 BL_{13}	16.3	X	58.50486	300.37649	140.77150	10.33999	0.0873890	0.24122120	2.5557934	21	—	—
301228 2009 BN_{13}	16.5	X	154.88949	303.69401	149.17638	8.60788	0.1619059	0.26414350	2.4057072	21	5 30.2	20.3
301229 2009 BS_{13}	16.6	X	116.71197	11.43338	37.75450	5.05358	0.0821075	0.24681977	2.5169973	21	2 10.1	19.8
301230 2009 BC_{19}	17.7	X	223.75585	14.40780	6.83541	1.17220	0.1874715	0.27004512	2.3705284	21	4 29.5	21.4
301231 2009 BS_{19}	17.1	X	85.98364	306.99003	327.82122	3.12904	0.0647268	0.21073913	2.7966573	21	10 23.2	21.0
301232 2009 BY_{24}	17.4	X	176.26032	6.09500	109.46735	3.53758	0.1239075	0.27217872	2.3581238	21	7 18.2	20.8
301233 2009 BK_{25}	17.3	X	92.42066	113.34824	51.64782	1.69891	0.1352617	0.26226406	2.4171867	21	6 20.3	20.3
301234 2009 BY_{26}	17.3	X	272.62122	44.15337	333.98132	5.35116	0.1818129	0.27872588	2.3210501	21	6 16.6	20.3
301235 2009 BE_{34}	17.3	X	256.98238	215.29455	1.84788	3.15405	0.0595191	0.23237533	2.6202498	21	—	—
301236 2009 BJ_{37}	16.9	X	172.81515	270.30289	338.08922	4.34224	0.0679694	0.22035503	2.7146931	21	12 28.4	20.9
301237 2009 BM_{40}	17.1	X	216.20865	295.27818	111.05255	5.91399	0.2335530	0.27131248	2.3631404	21	5 24.7	21.1
301238 2009 BD_{42}	15.2	X	329.78697	301.71376	317.57938	26.41289	0.2727524	0.17204790	3.2016201	21	3 9.5	19.5
301239 2009 BH_{42}	16.8	X	171.26409	257.49714	131.77984	7.30941	0.1222540	0.25485004	2.4638423	21	3 24.4	20.5
301240 2009 BE_{43}	17.1	X	201.64015	64.91717	327.96989	5.63964	0.1578180	0.26301075	2.4126096	21	4 22.9	21.0
301241 2009 BO_{43}	17.0	X	60.26701	107.11245	340.26930	4.22400	0.1045396	0.24162860	2.5529197	21	1 10.2	19.7
301242 2009 BS_{43}	16.8	X	243.12481	297.59188	162.09471	2.28228	0.0201681	0.20265636	2.8705331	21	9 19.3	20.7
301243 2009 BF_{45}	17.5	X	161.59921	297.33969	146.62465	1.49568	0.1499916	0.26338149	2.4103450	21	5 23.1	21.2
301244 2009 BJ_{45}	16.5	X	274.68309	286.81823	144.94032	2.61976	0.0480403	0.20350947	2.8625053	21	9 20.6	20.4
301245 2009 BS_{45}	17.2	X	192.26400	24.76862	172.44009	4.48365	0.0091759	0.21291247	2.7775932	21	11 21.8	21.1
301246 2009 BW_{45}	17.0	X	146.29207	13.44286	227.78613	2.30372	0.0416118	0.21154977	2.7895084	21	11 19.5	21.0
301247 2009 BR_{46}	17.6	X	195.56080	243.96577	180.58978	2.10690	0.1991669	0.26858934	2.3790863	21	5 30.4	21.4
301248 2009 BR_{47}	17.0	X	122.90688	312.34362	305.53347	2.99996	0.0553812	0.21312372	2.7757575	21	11 13.4	21.0
301249 2009 BT_{48}	17.3	X	20.23674	317.81101	132.77837	3.22087	0.0760422	0.23147801	2.6270170	21	—	—
301250 2009 BP_{49}	16.7	X	198.76071	288.83470	314.09164	6.62380	0.0851911	0.22488774	2.6780923	21	—	—
301251 2009 BZ_{49}	16.4	X	331.51173	255.56670	16.21911	0.93650	0.1813771	0.17946718	3.1127627	21	4 24.3	20.2
301252 2009 BO_{50}	17.0	X	133.31861	55.78914	357.08483	2.19043	0.1915954	0.25451548	2.4660010	21	3 18.8	20.4
301253 2009 BR_{52}	17.1	X	39.50422	83.34193	106.34814	2.73774	0.0884982	0.25731890	2.4480574	21	4 26.8	19.6
301254 2009 BW_{52}	16.7	X	119.60683	220.49439	125.56826	13.57273	0.1793774	0.23411350	2.6072644	21	—	—
301255 2009 BH_{55}	17.6	X	199.27145	49.43557	330.92899	3.87908	0.2033817	0.26208526	2.4182860	21	4 6.1	21.5
301256 2009 BW_{65}	16.3	X	102.21572	9.42222	311.19676	4.06732	0.1090116	0.21939032	2.7226454	21	—	—
301257 2009 BN_{69}	17.4	X	120.71593	136.24663	329.76979	3.03239	0.1459892	0.26171624	2.4205586	21	5 5.9	20.8
301258 2009 BP_{69}	16.4	X	248.09079	264.05840	324.58947	5.11097	0.0383078	0.23569545	2.5955849	21	—	—
301259 2009 BK_{70}	16.4	X	284.98355	154.35864	332.16342	8.70126	0.1050908	0.22112701	2.7083712	21	12 9.2	19.9
301260 2009 BH_{71}	15.8	X	277.83744	175.32332	353.52592	13.59206	0.1801496	0.22374887	2.6871721	21	—	—
301261 2009 BS_{71}	17.4	X	158.44941	95.10033	308.37445	4.87064	0.1823475	0.25661944	2.4525037	21	3 28.6	21.2
301262 2009 BZ_{76}	15.9	X	236.37429	21.50700	125.28072	9.15410	0.1621865	0.21130967	2.7916211	21	10 26.5	20.1
301263 Anitaheward	17.1	X	192.79802	308.52550	97.44855	9.15069	0.2195872	0.26771900	2.3842397	21	5 7.2	21.2
301264 2009 BO_{77}	16.4	X	108.83622	96.99546	11.75063	6.68081	0.0871392	0.25770594	2.4456057	21	4 16.3	19.4
301265 2009 BG_{79}	16.1	X	295.71767	196.44938	3.50841	13.98718	0.0902991	0.23642924	2.5902117	21	—	—
301266 2009 BN_{79}	16.9	X	128.82241	128.48619	350.01204	3.54958	0.1172530	0.26532902	2.3985359	21	5 29.3	20.2
301267 2009 BZ_{81}	16.5	X	60.77765	74.74573	321.69748	14.92968	0.0350813	0.23353897	2.6115387	21	—	—
301268 2009 BK_{83}	17.0	X	179.61616	254.62590	58.30027	2.12285	0.1038820	0.23751625	2.5823028	21	—	—
301269 2009 BT_{83}	17.6	X	66.86673	122.07139	302.63495	0.76319	0.0859911	0.24021183	2.5629480	21	—	—
301270 2009 BX_{83}	17.4	X	218.93219	238.70996	131.56675	5.10815	0.1953901	0.26442669	2.4039893	21	4 14.0	21.4
301271 2009 BB_{84}	17.7	X	223.80506	73.98654	332.24689	0.80929	0.1856124	0.27321687	2.3521465	21	6 1.2	21.4
301272 2009 BR_{84}	17.4	X	186.13412	302.79519	138.99180	2.60672	0.1582696	0.27110223	2.3643621	21	6 13.2	21.1
301273 2009 BJ_{86}	18.2	X	166.40831	285.66099	121.91662	2.22631	0.1763604	0.26010420	2.4305495	21	4 13.1	22.0
301274 2009 BH_{89}	17.3	X	77.51334	197.44157	147.99228	2.65798	0.0858660	0.22358352	2.6884968	21	—	—
301275 2009 BG_{90}	17.9	X	175.63285	163.29179	251.39408	0.42324	0.1791768	0.26349672	2.4096423	21	4 29.4	21.6
301276 2009 BJ_{90}	16.9	X	130.49567	10.59632	293.01375	1.58452	0.0390133	0.22428978	2.6828500	21	—	—
301277 2009 BW_{90}	17.1	X	67.79146	70.77329	318.30219	4.19682	0.0858009	0.23149031	2.6269240	21	—	—
301278 2009 BF_{91}	18.0	X	199.81041	296.74162	123.52343	1.31040	0.1972160	0.27014360	2.3699522	21	5 28.5	21.7
301279 2009 BH_{94}	16.7	X	148.47414	277.89261	146.42222	6.85232	0.0959664	0.25634230	2.4542711	21	4 11.2	20.2
301280 2009 BS_{94}	17.0	X	50.24188	115.82566	312.33785	3.47210	0.0929459	0.23505267	2.6003148	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
301281 2009 BM_{98}	17.0	X	197.30771	24.52982	327.37648	7.08174	0.1217478	0.25499125	2.4629326	21	2 27.9	20.7
301282 2009 BT_{104}	17.6	X	33.25760	351.37972	129.52593	1.58494	0.0802331	0.24083485	2.5585260	21	1 10.6	20.4
301283 2009 BA_{105}	17.3	X	308.99596	12.61535	169.66781	4.62274	0.0223449	0.23517237	2.5994323	21	—	—
301284 2009 BF_{105}	15.6	X	347.66251	352.47934	307.48698	8.35700	0.1271118	0.18863379	3.0110853	21	7 7.3	19.0
301285 2009 BZ_{107}	16.0	X	13.66393	130.49953	144.66152	12.47787	0.0959307	0.18577714	3.0418739	21	7 16.4	19.8
301286 2009 BA_{108}	16.3	X	60.29897	299.81243	357.80076	6.50461	0.0487066	0.20274232	2.8697217	21	10 16.6	20.2
301287 2009 BD_{108}	16.6	X	47.59746	268.08740	132.25016	6.64342	0.0230327	0.22388007	2.6861222	21	—	—
301288 2009 BA_{110}	15.5	X	30.20799	310.34726	311.65546	20.82523	0.1865318	0.18838149	3.0137731	21	8 5.7	18.7
301289 2009 BR_{112}	15.6	X	332.24518	140.67520	165.61100	12.23389	0.0824860	0.17947212	3.1127056	21	6 22.9	19.9
301290 2009 BG_{113}	15.7	X	276.49375	137.33998	173.73052	13.95774	0.1599451	0.17245077	3.1966318	21	4 6.2	20.4
301291 2009 BW_{113}	17.0	X	160.05936	257.16794	46.17620	2.01752	0.0712020	0.23384427	2.6092652	21	—	—
301292 2009 BK_{120}	16.5	X	37.39743	324.41898	320.13994	1.75446	0.0930835	0.20016934	2.8942609	21	9 5.6	20.1
301293 2009 BS_{123}	15.8	X	69.76652	54.82538	164.48729	10.96758	0.0935292	0.18483700	3.0521798	21	7 25.3	20.0
301294 2009 BW_{123}	15.8	X	111.85890	350.68820	154.03804	12.00885	0.0539205	0.18294514	3.0731857	21	6 9.9	20.4
301295 2009 BY_{123}	16.5	X	170.97426	301.36620	310.27726	4.13373	0.0330926	0.21893158	2.7264473	21	—	—
301296 2009 BJ_{124}	16.4	X	157.89865	294.25430	317.72894	7.70217	0.0977617	0.21441286	2.7646203	21	12 14.5	20.7
301297 2009 BV_{124}	15.8	X	351.91456	118.80950	149.01365	10.17898	0.0090555	0.18278903	3.0749351	21	6 6.3	20.2
301298 2009 BP_{125}	15.6	X	12.15985	282.42409	320.13079	12.64878	0.0887665	0.18111788	3.0938209	21	5 28.9	19.7
301299 2009 BP_{127}	16.5	X	80.41462	38.54383	319.25303	5.43322	0.0323729	0.22455656	2.6807247	21	—	—
301300 2009 BC_{129}	16.7	X	1.65751	222.71700	150.61222	4.93710	0.0849948	0.21193672	2.7861121	21	11 11.4	20.2
301301 2009 BL_{130}	15.3	X	335.52225	270.61515	359.61524	10.01552	0.0459825	0.17750897	3.1356134	21	5 10.9	19.7
301302 2009 BX_{130}	17.2	X	250.66496	39.17853	29.07980	4.48208	0.1599434	0.27853296	2.3221218	21	8 3.9	20.4
301303 2009 BL_{131}	16.1	X	351.89931	296.68347	23.98335	6.88273	0.0485658	0.19245754	2.9710692	21	8 15.8	20.0
301304 2009 BH_{133}	16.8	X	181.23026	114.19934	134.12546	3.54742	0.1796733	0.22043388	2.7140457	21	12 29.1	21.2
301305 2009 BU_{133}	17.3	X	225.32528	233.36584	311.08319	1.08594	0.0178564	0.21980047	2.7192573	21	12 15.8	20.9
301306 2009 BF_{134}	17.5	X	213.86222	248.15371	135.65968	4.54291	0.1305448	0.26455916	2.4031867	21	4 28.0	21.1
301307 2009 BQ_{134}	17.1	X	281.45304	350.70603	189.91918	0.23575	0.0333829	0.23066254	2.6332050	21	—	—
301308 2009 BB_{140}	17.5	X	181.29259	107.15651	314.58617	3.28867	0.2106854	0.26658862	2.3909747	21	5 13.2	21.5
301309 2009 BR_{142}	17.6	X	106.64508	242.53898	136.82691	5.03509	0.0485787	0.23825595	2.5769553	21	—	—
301310 2009 BT_{142}	16.5	X	302.50071	41.86625	102.90853	3.35903	0.0249131	0.22641171	2.6660613	21	—	—
301311 2009 BM_{146}	17.3	X	48.31396	155.53991	286.21748	2.49110	0.0847743	0.23424225	2.6063090	21	—	—
301312 2009 BC_{147}	17.3	X	181.95330	110.99725	304.75376	3.79260	0.1710687	0.26102634	2.4248218	21	5 5.2	21.3
301313 2009 BP_{148}	16.5	X	136.67791	12.41445	257.15858	2.34270	0.0510108	0.21353685	2.7721762	21	12 13.7	20.4
301314 2009 BO_{149}	17.4	X	172.90744	182.74408	240.54780	1.32155	0.1646075	0.25953356	2.4341109	21	5 7.6	21.1
301315 2009 BS_{149}	17.4	X	215.12954	220.49094	202.79259	1.07908	0.1729539	0.27054688	2.3675965	21	6 16.3	20.9
301316 2009 BR_{150}	16.5	X	64.29772	91.09470	274.69107	6.87221	0.0550237	0.22489349	2.6780466	21	—	—
301317 2009 BO_{153}	17.1	X	325.15988	37.63930	74.42060	0.75247	0.0280492	0.22616220	2.6680218	21	—	—
301318 2009 BK_{155}	15.5	X	318.27910	172.53163	128.31756	25.22297	0.2128826	0.18400272	3.0613987	21	5 16.3	19.9
301319 2009 BR_{157}	15.6	X	331.13796	323.23265	341.26162	9.95442	0.0803870	0.18376854	3.0639989	21	6 18.7	19.7
301320 2009 BM_{158}	17.4	X	94.60265	267.10377	180.79977	1.08417	0.0850363	0.24653891	2.5189085	21	3 1.1	20.4
301321 2009 BP_{162}	15.3	X	10.20663	237.50860	354.34900	15.19851	0.1271660	0.17017240	3.2251009	21	5 8.3	19.4
301322 2009 BL_{167}	17.1	X	330.59064	266.22446	219.44554	3.61855	0.0527560	0.22600132	2.6692878	21	—	—
301323 2009 BC_{168}	15.9	X	346.71453	18.50659	289.72292	9.12572	0.0689627	0.19077350	2.9885281	21	7 18.3	19.6
301324 2009 BQ_{169}	16.8	X	11.27837	334.99052	129.59721	4.01760	0.0520038	0.23378823	2.6096822	21	—	—
301325 2009 BV_{171}	17.3	X	137.72689	290.95665	126.46838	5.33426	0.1446884	0.25246282	2.4793496	21	3 26.6	20.9
301326 2009 BB_{173}	17.5	X	280.56666	222.00783	160.52817	4.94981	0.1340340	0.27985160	2.3148216	21	7 11.5	20.3
301327 2009 BP_{173}	16.2	X	260.34110	84.43308	65.22923	9.12412	0.1313691	0.21750804	2.7383303	21	11 29.7	19.8
301328 2009 BG_{176}	16.1	X	110.79081	187.15241	323.30135	4.27157	0.0729374	0.18059114	3.0998339	21	6 16.9	20.5
301329 2009 BL_{176}	16.3	X	340.53090	331.43563	342.07754	9.50787	0.0352084	0.18851654	3.0123336	21	7 20.3	20.4
301330 2009 BR_{178}	16.4	X	69.29350	39.93910	218.33236	1.27738	0.1468729	0.19291421	2.9663786	21	9 22.4	20.6
301331 2009 BV_{178}	15.7	X	53.12102	235.85891	333.98316	3.74886	0.1039012	0.17645576	3.1480780	21	6 22.3	19.8
301332 2009 BC_{179}	16.6	X	335.82015	328.51452	185.75997	13.14545	0.1814767	0.22849880	2.6498021	21	—	—
301333 2009 BX_{180}	16.2	X	10.58569	251.33107	338.50650	2.52947	0.0429879	0.17655177	3.1469367	21	5 10.8	20.4
301334 2009 BY_{181}	17.7	X	133.83746	62.78785	18.98922	4.58637	0.1174660	0.25471251	2.4647291	21	4 16.8	20.9
301335 2009 BK_{183}	18.0	X	159.04400	265.70868	156.82161	2.52761	0.2225722	0.25899891	2.4374596	21	4 27.9	21.9
301336 2009 BL_{183}	16.8	X	36.64490	181.34689	145.36713	2.66605	0.0729345	0.20437285	2.8544378	21	10 29.0	20.5
301337 2009 BA_{185}	16.2	X	271.75922	347.04635	180.77804	10.33280	0.1056999	0.22371752	2.6874232	21	—	—
301338 2009 BR_{186}	15.7	X	29.37300	301.34944	258.56401	6.45489	0.1707302	0.17403685	3.1771806	21	5 6.7	19.2
301339 2009 BD_{187}	15.4	X	38.75626	345.72244	251.71443	8.38190	0.1646667	0.18424123	3.0587560	21	7 13.4	19.1
301340 2009 BP_{187}	16.0	X	305.39176	204.53857	282.07824	8.07410	0.1150885	0.22013144	2.7165310	21	—	—
301341 2009 BC_{188}	17.1	X	224.33444	242.23753	191.60350	5.38332	0.2081434	0.27645194	2.3337605	21	7 6.1	20.8
301342 2009 BK_{188}	16.4	X	87.91998	162.30139	139.77001	4.80546	0.0875671	0.21411709	2.7671656	21	12 3.6	20.4
301343 2009 BM_{188}	16.1	X	204.86034	181.87499	31.98911	10.25211	0.0755777	0.21632380	2.7483151	21	12 19.0	20.2
301344 2009 BC_{189}	16.6	X	222.60848	165.56545	0.93665	5.65804	0.1206438	0.21436001	2.7650747	21	11 4.3	20.6
301345 2009 CU_{3}	17.2	X	16.73080	293.97560	178.63431	8.82891	0.1178451	0.23867724	2.5739220	21	—	—
301346 2009 CS_{7}	17.6	X	274.33839	258.79508	147.92178	6.09486	0.1909994	0.28605675	2.2812239	21	7 28.5	20.2
301347 2009 CB_{8}	18.0	X	199.61077	226.00860	195.68337	1.88110	0.1781298	0.27214783	2.3583022	21	5 30.5	21.7
301348 2009 CE_{9}	17.1	X	164.88449	311.78156	141.66818	7.25862	0.0821059	0.26747537	2.3856873	21	6 5.5	20.5
301349 2009 CO_{10}	16.0	X	134.77811	37.38156	306.48590	13.21564	0.1379894	0.23296180	2.6158504	21	—	—
301350 2009 CE_{12}	16.8	X	54.02250	61.48271	322.24970	5.66510	0.0872333	0.22207056	2.7006940	21	—	—
301351 2009 CR_{14}	16.4	X	41.56332	268.35389	19.73608	1.17505	0.0424565	0.19615409	2.9336242	21	9 9.9	20.3
301352 2009 CL_{16}	16.8	X	101.40757	141.36737	173.58093	6.65686	0.0535190	0.21997267	2.7178380	21	12 30.8	20.9
301353 2009 CP_{22}	17.4	X	77.04639	282.11473	162.21947	5.68977	0.0705933	0.24510905	2.5286952	21	1 27.1	20.3
301354 2009 CG_{28}	16.9	X	51.24718	28.91310	342.91572	5.55724	0.0238392	0.22005591	2.7171526	21	—	—
301355 2009 CQ_{28}	16.8	X	341.31320	75.12706	354.54298	4.40655	0.0607794	0.21850221	2.7300179	21	12 22.7	20.2
301356 2009 CM_{31}	17.4	X	349.95499	333.34981	94.04189	3.05361	0.0496549	0.21782885	2.7356411	21	12 31.1	20.9
301357 2009 CV_{31}	17.3	X	160.08871	289.15631	130.87317	2.77523	0.1637273	0.25738742	2.4476229	21	4 22.5	21.1
301358 2009 CC_{37}	17.4	X	140.90764	280.45477	171.11460	1.76165	0.1605265	0.26349833	2.4096325	21	5 12.7	20.9
301359 2009 CA_{39}	16.6	X	357.16267	273.55318	164.26627	7.45318	0.1222221	0.22329075	2.6908463	21	—	—
301360 2009 CE_{39}	16.0	X	235.73088	73.06441	150.27126	15.21064	0.0877940	0.22536696	2.6742944	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
301361 2009 CJ_{39}	16.7	X	65.72501	277.95141	140.06886	5.57133	0.0680955	0.23453465	2.6041422	21	—	—
301362 2009 CD_{43}	16.1	X	329.81493	130.13578	347.70793	11.10831	0.1304231	0.22759889	2.6567822	21	—	—
301363 2009 CS_{43}	16.4	X	75.82593	59.56971	143.19780	3.93762	0.1093927	0.18286027	3.0741365	21	7 15.3	20.5
301364 2009 CA_{44}	15.9	X	31.17755	16.06152	174.45205	5.25710	0.1012555	0.17022668	3.2244153	21	4 25.3	20.0
301365 2009 CS_{44}	15.5	X	54.72030	30.31841	170.12787	13.97290	0.0187593	0.17711094	3.1403095	21	6 3.4	20.1
301366 2009 CX_{44}	16.8	X	235.73478	68.84569	152.99442	14.94824	0.1571685	0.22373630	2.6872727	21	—	—
301367 2009 CP_{49}	15.2	X	9.44350	232.02395	353.07503	26.71607	0.1894478	0.17135060	3.2103001	21	4 18.8	19.2
301368 2009 CX_{49}	15.9	X	173.84203	200.17929	336.76700	13.83598	0.0935213	0.20433542	2.8547863	21	9 25.4	20.4
301369 2009 CF_{51}	16.6	X	108.07917	267.31419	131.56729	8.71438	0.1425152	0.24285614	2.5443098	21	1 23.4	19.8
301370 2009 CX_{52}	16.2	X	35.50378	269.87879	11.49773	1.74904	0.0781998	0.19411827	2.9540994	21	8 28.1	19.9
301371 2009 CC_{54}	16.6	X	21.06979	308.22074	165.14966	8.26189	0.1074833	0.23560976	2.5962143	21	—	—
301372 2009 CW_{54}	17.4	X	15.81453	12.21054	106.62806	1.80632	0.1210616	0.23753709	2.5821517	21	—	—
301373 2009 CK_{55}	17.0	X	111.25758	256.75267	140.44944	14.13026	0.2481607	0.24555661	2.5256217	21	2 10.4	20.2
301374 2009 CE_{56}	16.7	X	142.88703	36.36821	50.18534	5.00140	0.0856847	0.25758229	2.4463882	21	4 30.9	20.0
301375 2009 CJ_{59}	16.0	X	116.34210	144.59181	141.38127	6.62837	0.0263270	0.21115359	2.7929966	21	12 10.0	20.0
301376 2009 CJ_{62}	16.5	X	234.75640	340.08512	181.85887	6.80721	0.0066553	0.21189473	2.7864801	21	11 30.6	20.4
301377 2009 CP_{62}	15.6	X	295.42241	341.62856	345.16453	10.88680	0.1074404	0.18189950	3.0849518	21	5 20.2	20.0
301378 2009 CZ_{62}	15.4	X	6.30784	249.81639	22.80039	9.20396	0.0196232	0.17596487	3.1539301	21	6 30.7	19.9
301379 2009 CJ_{63}	16.2	X	195.52726	181.27558	21.83580	7.32797	0.0624057	0.21224959	2.7833735	21	11 25.4	20.3
301380 2009 CW_{64}	16.4	X	208.59372	234.54023	7.76453	3.10984	0.0355127	0.22342697	2.6897525	21	—	—
301381 2009 DR_{2}	16.4	X	5.92041	98.55410	10.61436	12.99876	0.0432771	0.22944176	2.6425370	21	—	—
301382 2009 DX_{3}	16.0	X	300.04289	1.64900	124.44186	9.73118	0.0886685	0.22103816	2.7090970	21	—	—
301383 2009 DL_{7}	16.2	X	192.30115	217.43944	356.34122	5.27482	0.0107409	0.21308017	2.7761357	21	12 10.7	20.2
301384 2009 DV_{7}	16.5	X	267.49572	316.20347	178.70361	8.55093	0.1525992	0.21401118	2.7680785	21	11 18.7	20.1
301385 2009 DR_{11}	16.9	X	339.06840	164.40137	349.39157	1.69019	0.0331832	0.23416591	2.6068754	21	—	—
301386 2009 DO_{14}	16.3	X	211.17494	310.99224	298.29384	4.06227	0.0297481	0.22351499	2.6890463	21	—	—
301387 2009 DL_{19}	17.0	X	278.32964	317.66119	179.67054	3.31278	0.0373022	0.21391198	2.7689343	21	12 20.6	20.7
301388 2009 DP_{19}	16.5	X	25.78121	79.06336	51.20049	6.82353	0.1622950	0.24213119	2.5493858	21	1 6.5	18.9
301389 2009 DR_{19}	16.2	X	332.82543	168.41640	51.94412	9.65563	0.1026290	0.24711708	2.5149781	21	2 22.1	19.4
301390 2009 DA_{20}	16.5	X	144.21788	213.96307	152.41779	16.10242	0.1626257	0.24244659	2.5471743	21	1 28.2	20.2
301391 2009 DP_{24}	16.3	X	204.93792	16.76359	116.76611	3.19666	0.0163306	0.19696799	2.9255371	21	9 15.6	20.3
301392 2009 DT_{25}	16.8	X	335.59511	31.21741	101.85148	2.49392	0.1489943	0.23054979	2.6340634	21	—	—
301393 2009 DB_{29}	16.5	X	54.43920	127.45335	155.34861	2.33158	0.0762625	0.19580312	2.9371287	21	9 25.5	20.3
301394 Bensheim	16.0	X	136.20847	334.02446	174.29345	5.26832	0.1311268	0.18577908	3.0418527	21	7 17.6	20.7
301395 2009 DL_{31}	16.5	X	179.98111	325.56383	174.06346	5.58340	0.1357455	0.19182115	2.9776368	21	8 18.4	21.3
301396 2009 DO_{31}	16.5	X	116.08845	85.60117	228.56400	1.45619	0.0756511	0.21529577	2.7570568	21	—	—
301397 2009 DP_{31}	16.8	X	5.87351	164.62423	330.33442	3.88577	0.1723876	0.23489363	2.6014884	21	—	—
301398 2009 DF_{32}	16.0	X	71.37375	165.09795	85.16010	3.23850	0.0497839	0.18995386	2.9971188	21	9 2.4	20.2
301399 2009 DR_{32}	16.3	X	30.83130	250.24869	153.16537	5.28702	0.0812582	0.21760972	2.7374773	21	—	—
301400 2009 DV_{32}	16.4	X	73.52482	255.95926	52.84585	2.74373	0.0532330	0.20365851	2.8611086	21	11 18.4	20.4
301401 2009 DD_{33}	16.0	X	308.76603	344.39430	64.48009	2.69179	0.0218556	0.19933336	2.9023474	21	10 9.8	19.9
301402 2009 DC_{35}	15.8	X	357.89594	167.70511	172.26606	12.40720	0.0747061	0.19198546	2.9759376	21	9 17.2	19.4
301403 2009 DE_{35}	16.6	X	318.84874	234.86149	181.13100	1.88245	0.0564544	0.20362437	2.8614284	21	10 30.6	20.3
301404 2009 DK_{35}	15.9	X	14.00133	265.77543	7.53231	9.12261	0.0571136	0.18149400	3.0895451	21	7 15.3	20.1
301405 2009 DE_{37}	17.2	X	48.65365	212.86360	235.82601	1.58538	0.0660210	0.23818131	2.5774936	21	—	—
301406 2009 DT_{39}	17.5	X	257.16472	255.79596	158.28059	6.82209	0.0933832	0.27639357	2.3340891	21	7 30.3	20.5
301407 2009 DD_{41}	15.7	X	80.57366	54.00344	156.48071	10.89487	0.0474848	0.18728527	3.0255219	21	7 21.6	20.0
301408 2009 DU_{41}	15.3	X	10.76499	277.28693	344.14980	11.41751	0.0547385	0.18307056	3.0717819	21	6 22.9	19.5
301409 2009 DB_{42}	15.7	X	142.20721	358.14423	164.60506	10.70193	0.0544163	0.18946944	3.0022252	21	8 5.3	20.1
301410 2009 DC_{42}	17.2	X	192.90833	140.26930	329.55563	5.85741	0.2217778	0.27397646	2.3477971	21	7 25.8	21.0
301411 2009 DQ_{45}	16.6	X	75.05198	91.15809	338.99976	13.98394	0.1072873	0.23911073	2.5708102	21	1 15.0	19.7
301412 2009 DF_{46}	16.3	X	78.54775	120.28568	7.25201	13.53775	0.0967953	0.25425314	2.4676970	21	3 31.8	19.1
301413 2009 DN_{46}	16.5	X	287.26644	337.18270	138.47951	4.60681	0.0500857	0.21406347	2.7676277	21	12 4.6	20.0
301414 2009 DR_{46}	16.4	X	68.16544	298.07276	206.51810	6.67524	0.1775885	0.25526093	2.4611976	21	4 21.9	18.9
301415 2009 DV_{48}	17.2	X	81.58488	167.16808	9.85875	5.31491	0.1285401	0.26344640	2.4099491	21	6 21.1	20.2
301416 2009 DR_{49}	16.1	X	308.27318	164.61975	173.43745	11.09805	0.0249464	0.18267171	3.0762516	21	7 5.6	20.5
301417 2009 DS_{49}	16.9	X	302.83558	103.17553	16.22289	3.45509	0.1521589	0.21696667	2.7428835	21	12 24.5	19.8
301418 2009 DX_{50}	16.6	X	332.72533	83.68865	5.25431	4.48269	0.0324558	0.21409002	2.7673989	21	—	—
301419 2009 DY_{50}	16.9	X	98.68887	256.20543	148.80436	1.20938	0.0951202	0.23296554	2.6158224	21	1 13.5	20.2
301420 2009 DC_{51}	16.4	X	47.93068	182.72552	22.27049	5.12599	0.0764862	0.17494010	3.1662349	21	6 3.9	20.7
301421 2009 DC_{55}	15.8	X	347.74587	295.05286	2.70747	4.99244	0.1290295	0.18429575	3.0581527	21	7 4.1	19.5
301422 2009 DO_{56}	16.5	X	147.55002	193.00303	21.00106	5.79251	0.0729340	0.20203699	2.8763967	21	10 17.5	20.8
301423 2009 DZ_{56}	17.1	X	34.74789	351.70578	95.36542	3.21901	0.0582726	0.23077246	2.6323688	21	—	—
301424 2009 DG_{57}	15.8	X	61.74581	29.94945	144.00038	5.43059	0.1185679	0.17468183	3.1693551	21	5 22.4	20.0
301425 2009 DT_{57}	16.4	X	56.76456	329.48054	15.15483	4.48841	0.0833654	0.21177731	2.7875100	21	12 17.8	20.3
301426 2009 DX_{58}	16.1	X	29.12341	230.48698	89.93380	3.26794	0.0565163	0.19930708	2.9026025	21	10 8.3	19.9
301427 2009 DZ_{59}	16.2	X	64.79323	289.16330	44.70559	4.96718	0.0786697	0.21008930	2.8024213	21	12 13.1	20.0
301428 2009 DA_{61}	16.8	X	71.91389	230.06529	90.83513	5.20800	0.0028026	0.20894603	2.8126345	21	11 26.2	20.6
301429 2009 DQ_{61}	17.4	X	34.08518	66.52300	20.03002	5.08416	0.1635756	0.23281153	2.6169759	21	—	—
301430 2009 DX_{61}	16.7	X	76.76633	298.10481	132.27371	4.13208	0.1359581	0.23787449	2.5797095	21	1 17.9	19.3
301431 2009 DL_{63}	16.7	X	352.79975	87.92933	349.50309	6.07722	0.0992940	0.22320096	2.6915679	21	—	—
301432 2009 DO_{63}	15.7	X	32.22167	123.21238	135.65828	10.53153	0.0409702	0.18484152	3.0521300	21	7 18.8	19.8
301433 2009 DP_{69}	16.4	X	65.80360	209.98458	164.33121	5.93285	0.0274028	0.22204190	2.7009264	21	—	—
301434 2009 DK_{72}	17.3	X	145.79652	84.26933	1.55667	5.78162	0.1322379	0.25939979	2.4349477	21	5 5.5	21.0
301435 2009 DE_{73}	17.8	X	201.20328	260.06533	163.78649	3.74982	0.1998166	0.26646524	2.3917127	21	6 3.8	21.8
301436 2009 DL_{74}	16.8	X	334.48280	336.96824	139.11645	4.01770	0.1384194	0.22663943	2.6642751	21	—	—
301437 2009 DO_{74}	17.1	X	34.93919	65.28408	37.69626	2.00167	0.0946604	0.23670919	2.5881690	21	—	—
301438 2009 DF_{77}	15.2	X	357.37410	274.22346	336.11570	24.42869	0.2420531	0.17283419	3.1919024	21	4 25.5	19.1
301439 2009 DD_{78}	16.3	X	81.14941	345.03617	347.73637	5.01962	0.0699134	0.21825622	2.7320688	21	—	—
301440 2009 DY_{79}	16.2	X	257.09018	337.82748	128.52589	3.00121	0.0172688	0.20319225	2.8654838	21	10 17.2	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
301441 2009 DD_{80}	15.9	X	343.21660	77.02610	159.25379	13.41358	0.0678115	0.16876826	3.2429645	21	4 14.3	20.3
301442 2009 DB_{81}	16.1	X	204.14735	77.30350	183.97078	6.61475	0.0152172	0.22340595	2.6899212	21	—	—
301443 2009 DD_{82}	16.6	X	3.15810	335.50751	58.87848	4.52833	0.0976985	0.20927324	2.8097020	21	12 9.9	20.1
301444 2009 DM_{82}	15.9	X	9.60205	110.92925	160.09165	5.55821	0.0699556	0.18060125	3.0997182	21	7 3.5	20.0
301445 2009 DT_{82}	16.5	X	53.10818	270.72858	95.87028	2.89139	0.0357066	0.21301005	2.7767449	21	—	—
301446 2009 DX_{82}	16.3	X	19.95001	269.55684	142.19422	5.36571	0.1255862	0.21778462	2.7360115	21	—	—
301447 2009 DH_{83}	16.3	X	55.35433	231.04721	176.59534	5.33870	0.0625916	0.22312777	2.6921565	21	—	—
301448 2009 DA_{88}	17.0	X	30.53153	107.65425	318.70991	1.87818	0.0612823	0.22223942	2.6993259	21	—	—
301449 2009 DB_{92}	17.2	X	96.96117	270.87386	182.69221	12.40387	0.2944639	0.24948508	2.4990388	21	4 15.6	20.5
301450 2009 DZ_{94}	16.5	X	354.19616	273.12528	145.69101	6.87413	0.0552883	0.21269884	2.7794528	21	12 25.3	20.1
301451 2009 DN_{98}	17.5	X	41.77013	13.01890	76.22041	3.68399	0.1671177	0.23501020	2.6006280	21	—	—
301452 2009 DK_{102}	15.9	X	349.28902	335.69465	91.44161	6.61294	0.0138258	0.21369962	2.7707683	21	12 26.3	19.5
301453 2009 DG_{112}	16.4	X	78.78993	177.23492	107.40131	3.11840	0.0396073	0.20315257	2.8658569	21	10 25.3	20.3
301454 2009 DM_{112}	17.2	X	46.64287	97.61229	342.95992	11.18811	0.1623418	0.23626477	2.5914136	21	—	—
301455 2009 DW_{112}	16.0	X	350.95603	88.17547	155.54500	19.11035	0.1164815	0.17300870	3.1897557	21	5 3.3	20.3
301456 2009 DY_{112}	16.7	X	128.34500	152.36222	131.79907	4.64841	0.0360870	0.21468047	2.7623223	21	12 22.1	20.6
301457 2009 DW_{113}	17.2	X	109.51290	346.60186	6.10349	2.16137	0.0670099	0.22644358	2.6658111	21	—	—
301458 2009 DE_{115}	16.7	X	109.24508	291.81521	349.20752	3.98850	0.0392447	0.21096596	2.7946523	21	11 24.8	20.7
301459 2009 DB_{116}	17.2	X	325.04462	147.13172	304.06476	1.08921	0.0417325	0.21848029	2.7302005	21	12 26.6	20.6
301460 2009 DB_{117}	16.2	X	147.82587	260.21702	356.77931	6.29723	0.0045109	0.21259996	2.7803146	21	12 9.9	20.2
301461 2009 DX_{117}	16.7	X	166.61524	326.95232	328.59396	4.88585	0.0535349	0.22467268	2.6798010	21	—	—
301462 2009 DL_{118}	16.3	X	252.14266	36.86546	342.90539	1.67079	0.0495833	0.18386742	3.0629003	21	6 13.9	20.7
301463 2009 DX_{120}	17.0	X	261.87214	358.23871	166.24088	3.85952	0.0420728	0.21652056	2.7466498	21	—	—
301464 2009 DY_{120}	16.7	X	278.30652	350.76096	122.41110	0.54430	0.0237610	0.20916326	2.8106868	21	11 20.8	20.5
301465 2009 DC_{122}	16.6	X	125.60775	28.06045	4.55924	11.65798	0.1717109	0.23853543	2.5749420	21	2 16.4	20.3
301466 2009 DG_{124}	16.6	X	250.01728	299.39008	202.05882	11.26898	0.1724224	0.21202616	2.7853285	21	10 31.1	20.5
301467 2009 DV_{125}	15.9	X	112.43450	336.33305	177.17642	4.21091	0.1121136	0.17988813	3.1079048	21	6 27.5	20.5
301468 2009 DA_{126}	16.4	X	145.41162	213.15781	172.54383	3.71307	0.2574309	0.23992131	2.5650165	21	3 4.9	20.6
301469 2009 DD_{126}	17.0	X	302.75145	269.57303	187.75350	3.67092	0.0998258	0.21081783	2.7959613	21	11 27.9	20.3
301470 2009 DN_{126}	17.2	X	37.19086	241.55984	183.44634	7.28799	0.1931060	0.22846516	2.6500622	21	—	—
301471 2009 DQ_{126}	16.6	X	145.38560	95.86928	184.15723	3.99783	0.0721616	0.21366430	2.7710737	21	—	—
301472 2009 DW_{126}	16.2	X	77.31475	323.52620	209.46663	4.18124	0.0611685	0.17662542	3.1460617	21	6 2.2	20.5
301473 2009 DQ_{127}	16.7	X	348.47270	98.46010	6.80871	10.98664	0.1546124	0.22445197	2.6815575	21	—	—
301474 2009 DD_{128}	16.3	X	111.12782	14.47623	314.15651	5.03832	0.0697981	0.22064208	2.7123381	21	—	—
301475 2009 DO_{128}	15.3	X	49.14277	172.08362	33.84759	17.93686	0.1699473	0.17653532	3.1471322	21	6 17.8	19.5
301476 2009 DR_{128}	16.3	X	280.39631	153.44289	15.26253	11.79657	0.1203708	0.22331391	2.6906602	21	—	—
301477 2009 DT_{128}	16.0	X	56.97003	314.57624	130.31773	18.11509	0.1529629	0.23677807	2.5876671	21	1 4.9	18.8
301478 2009 DL_{131}	17.3	X	306.93301	325.36281	136.37600	2.89724	0.0405702	0.21547188	2.7555544	21	12 14.4	20.7
301479 2009 DF_{132}	16.2	X	48.25750	69.41925	168.94909	10.07444	0.0286286	0.18664028	3.0324883	21	7 12.0	20.5
301480 2009 DH_{133}	16.4	X	273.72710	304.92562	186.69933	3.69312	0.0371774	0.21233221	2.7826513	21	12 7.4	20.1
301481 2009 DZ_{133}	16.4	X	338.14297	68.96658	230.34062	1.04663	0.0772177	0.18112996	3.0936833	21	6 22.8	20.4
301482 2009 DL_{134}	16.9	X	20.36698	53.10720	24.63541	3.19127	0.0835179	0.22305008	2.6927816	21	—	—
301483 2009 DB_{135}	16.0	X	75.23060	326.98203	21.00774	6.61267	0.0525826	0.21235550	2.7824479	21	—	—
301484 2009 DV_{136}	15.8	X	3.47689	113.13175	194.30466	10.63918	0.0439934	0.18479242	3.0526706	21	8 8.5	20.0
301485 2009 DU_{137}	16.5	X	150.03671	82.15933	172.62746	2.01040	0.0463200	0.21006923	2.8025998	21	12 10.1	20.6
301486 2009 DB_{139}	16.5	X	19.99513	247.62411	6.87706	26.25827	0.1001098	0.17945715	3.1128787	21	7 3.0	21.0
301487 2009 DW_{139}	16.6	X	259.23658	305.78341	226.96759	4.27376	0.0971443	0.22131856	2.7068083	21	—	—
301488 2009 DO_{140}	16.4	X	237.36337	172.96313	73.03158	4.84199	0.0504714	0.22853391	2.6495307	21	—	—
301489 2009 DW_{141}	16.6	X	254.74146	135.44821	48.35438	3.19928	0.1137000	0.21907449	2.7252615	21	—	—
301490 2009 DE_{142}	15.3	X	75.44760	248.70483	264.04952	10.29771	0.0545036	0.17115218	3.2127807	21	5 1.7	19.8
301491 2009 EP_{3}	16.5	X	131.77859	251.36439	188.23610	6.03624	0.1117815	0.25474911	2.4644930	21	4 11.7	19.8
301492 2009 EH_{4}	16.0	X	49.11694	48.79463	7.81648	14.21236	0.0768857	0.22639237	2.6662131	21	—	—
301493 2009 ES_{4}	16.6	X	246.87997	352.22456	170.89247	4.44247	0.1463083	0.21335137	2.7737827	21	11 27.3	20.4
301494 2009 EG_{14}	16.6	X	66.45170	77.36970	155.44366	11.01612	0.0766797	0.18834856	3.0141245	21	8 5.5	20.7
301495 2009 EK_{15}	16.8	X	220.42448	344.16067	160.81499	10.29624	0.0409795	0.20487438	2.8497775	21	10 18.7	20.9
301496 2009 EC_{18}	16.2	X	153.12226	47.48466	212.44227	2.72767	0.0441399	0.21357190	2.7718728	21	12 20.2	20.3
301497 2009 EB_{19}	16.6	X	340.00839	105.47637	339.97611	6.07750	0.0756160	0.22276153	2.6951064	21	—	—
301498 2009 ET_{19}	16.5	X	313.51432	304.71287	182.87215	12.63623	0.2490751	0.22440330	2.6819452	21	—	—
301499 2009 EX_{21}	16.2	X	291.66900	358.12858	174.80607	11.56747	0.0337303	0.22644249	2.6658197	21	—	—
301500 2009 EL_{22}	16.4	X	310.26885	50.73105	344.89551	1.26795	0.0825986	0.19774657	2.9178530	21	9 17.6	20.0
301501 2009 EQ_{22}	16.1	X	69.89498	171.12761	40.57542	7.34274	0.0951760	0.17677981	3.1442297	21	7 18.7	20.5
301502 2009 EY_{22}	15.4	X	349.97891	309.65841	351.92792	9.18963	0.0822294	0.18387995	3.0627612	21	7 16.6	19.3
301503 2009 EP_{23}	15.3	X	316.43171	279.03824	103.68884	13.39593	0.0079520	0.19604694	2.9346930	21	9 22.5	19.6
301504 2009 ED_{26}	15.7	X	1.53132	271.12062	338.48231	8.93286	0.0931122	0.17398043	3.1778675	21	5 21.1	19.8
301505 2009 EE_{26}	16.1	X	352.49818	304.44413	302.54329	3.67684	0.0890982	0.17145562	3.2089890	21	5 4.9	20.3
301506 2009 ES_{28}	15.8	X	318.02368	178.79346	93.98983	2.68804	0.1097210	0.16996496	3.2277245	21	4 17.4	20.0
301507 2009 EX_{28}	17.1	X	0.30679	82.78109	29.89183	5.61523	0.0426672	0.22714330	2.6603336	21	—	—
301508 2009 EC_{30}	15.6	X	229.75384	220.04533	189.31946	14.34483	0.0613227	0.17819854	3.1275190	21	6 23.2	20.5
301509 2009 EW_{30}	16.3	X	72.74878	140.77164	76.20725	2.24375	0.0630747	0.18434169	3.0576446	21	7 23.5	20.5
301510 2009 FY_{2}	15.6	X	55.09015	92.22038	148.26353	10.90383	0.0431246	0.18253116	3.0778305	21	7 26.2	19.8
301511 Hubinon	15.9	X	283.89163	293.95676	75.43943	10.41366	0.0400543	0.18464118	3.0543374	21	7 13.3	20.2
301512 2009 FY_{6}	15.6	X	42.40291	148.94468	159.75757	11.30205	0.1359344	0.19553097	2.9398534	21	10 23.8	19.6
301513 2009 FU_{7}	16.0	X	288.59080	284.99690	38.80406	8.23520	0.1496140	0.17366158	3.1817561	21	5 4.8	20.6
301514 2009 FQ_{8}	16.2	X	352.53144	230.19580	62.48891	4.69403	0.0768914	0.18127376	3.0920471	21	7 6.7	20.0
301515 2009 FL_{10}	16.8	X	67.41970	189.48264	180.88030	4.27549	0.0502707	0.21902500	2.7256720	21	—	—
301516 2009 FF_{11}	16.9	X	126.03186	188.72959	141.13205	2.52576	0.0823329	0.22410141	2.6843532	21	—	—
301517 2009 FU_{13}	16.8	X	305.17764	308.59353	190.69571	3.56949	0.1562864	0.22250049	2.6972140	21	—	—
301518 2009 FC_{18}	16.2	X	342.37850	289.84098	143.93131	4.96441	0.0561276	0.21487289	2.7606730	21	12 28.2	19.7
301519 2009 FF_{18}	15.4	X	39.67299	202.55354	16.69407	21.11007	0.1657296	0.17406327	3.1768591	21	6 19.8	19.7
301520 2009 FR_{19}	15.8	X	358.63041	83.07592	180.91078	9.83968	0.0762537	0.17820230	3.1274750	21	6 8.4	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
301521 2009 FK_{22}	14.9	X	350.06825	73.47474	203.46126	10.80414	0.1179786	0.17465360	3.1696965	21	6 9.9	18.9
301522 2009 FX_{23}	16.1	X	45.69709	155.02399	65.27104	1.98981	0.0799215	0.17652920	3.1472048	21	6 21.9	20.2
301523 2009 FZ_{23}	16.0	X	92.17719	24.51321	170.26537	11.17761	0.0374057	0.18412987	3.0599891	21	7 14.4	20.5
301524 2009 FR_{26}	17.5	X	38.26639	47.83857	67.54203	3.21346	0.1598872	0.23815320	2.5776964	21	1 11.3	19.9
301525 2009 FP_{27}	16.6	X	64.54650	131.09510	161.75623	2.28832	0.0430517	0.20241091	2.8728532	21	10 17.5	20.5
301526 2009 FV_{28}	16.9	X	59.56672	328.82723	55.69945	6.82504	0.0299054	0.21908775	2.7251515	21	—	—
301527 2009 FY_{35}	16.7	X	15.28649	292.57510	156.89957	12.11315	0.1314358	0.22707949	2.6608319	21	—	—
301528 2009 FK_{37}	16.8	X	34.73025	312.94432	147.43860	5.61549	0.2406994	0.23508851	2.6000505	21	—	—
301529 2009 FH_{38}	17.2	X	21.11891	302.37950	189.21627	7.12813	0.1473486	0.23886441	2.5725772	21	—	—
301530 2009 FW_{38}	16.2	X	354.42695	35.55775	18.31876	4.35490	0.0631163	0.21224066	2.7834515	21	12 19.6	19.8
301531 2009 FE_{39}	16.1	X	337.57294	104.37755	148.70732	5.95327	0.1424014	0.17173051	3.2055636	21	4 18.1	20.0
301532 2009 FN_{40}	15.2	X	306.61890	317.06028	50.55798	11.21414	0.0332460	0.19298830	2.9656193	21	8 16.6	19.4
301533 2009 FY_{40}	17.4	X	42.81151	85.40119	30.10976	5.22358	0.1813295	0.23972719	2.5664010	21	1 21.9	19.7
301534 2009 FD_{44}	15.7	X	28.02529	232.85727	13.20045	11.23152	0.1240203	0.17629387	3.1500049	21	7 4.9	19.8
301535 2009 FE_{47}	16.7	X	27.05195	311.07065	83.50060	3.07664	0.0367514	0.21108992	2.7935582	21	—	—
301536 2009 FO_{47}	15.0	X	63.50434	351.22474	198.74587	28.72508	0.1452799	0.17242075	3.1970029	21	6 15.3	19.8
301537 2009 FA_{48}	15.8	X	120.88237	344.04739	157.27868	6.44436	0.1339494	0.17455273	3.1709176	21	6 24.3	20.7
301538 2009 FK_{50}	16.1	X	23.12930	268.41498	131.37065	6.46964	0.0505636	0.21350020	2.7724935	21	—	—
301539 2009 FR_{53}	16.3	X	306.40066	331.97666	31.25863	16.67560	0.0062148	0.18686721	3.0300327	21	8 16.4	20.8
301540 2009 FK_{54}	14.7	X	265.77872	308.56667	23.28513	27.07907	0.0889911	0.16954428	3.2330614	21	4 22.6	19.5
301541 2009 FS_{60}	15.9	X	182.61341	124.82164	347.21925	9.84283	0.0254744	0.18617032	3.0375895	21	7 22.6	20.4
301542 2009 FL_{62}	15.9	X	78.06856	335.82182	201.30353	13.13406	0.1716126	0.17538702	3.1608539	21	6 23.9	20.5
301543 2009 FY_{64}	15.5	X	116.93453	326.45567	142.78268	5.81245	0.1342202	0.17110960	3.2133137	21	5 13.3	20.4
301544 2009 FY_{65}	15.9	X	313.63595	279.55702	36.08348	9.67442	0.0726279	0.17499239	3.1656042	21	6 7.3	20.2
301545 2009 FT_{71}	16.2	X	326.64830	272.23427	142.29894	2.74250	0.0563258	0.20365647	2.8611277	21	11 9.6	19.9
301546 2009 FX_{71}	15.5	X	352.95468	247.14265	23.92688	17.63497	0.1011268	0.17245340	3.1965994	21	6 3.1	19.8
301547 2009 FQ_{73}	16.5	X	71.47689	35.88587	205.70714	9.11196	0.0391475	0.18350069	3.0669798	21	8 15.6	20.9
301548 2009 FA_{74}	17.1	X	32.31005	292.72814	161.57133	3.93272	0.1417088	0.23013532	2.6372251	21	—	—
301549 2009 FV_{75}	16.0	X	29.28894	312.82647	55.87936	4.37860	0.1051645	0.20982129	2.8048072	21	12 15.6	19.6
301550 2009 FY_{76}	15.8	X	253.94040	204.62191	173.07894	9.71524	0.0981991	0.17518428	3.1632921	21	6 8.7	20.6
301551 2009 GD_{2}	16.1	X	341.48468	132.15758	42.01548	12.52899	0.1352321	0.23072218	2.6327512	21	—	—
301552 2009 GA_{3}	16.1	X	29.77817	332.81045	80.12743	5.39209	0.0854381	0.21758587	2.7376773	21	—	—
301553 Ninaglebova	15.7	X	8.61693	92.51343	198.66161	10.87951	0.0754718	0.18115378	3.0934121	21	7 26.6	19.8
301554 2009 GG_{4}	16.0	X	26.85218	27.24111	182.76490	10.38922	0.0836193	0.16969046	3.2312044	21	5 13.7	20.2
301555 2009 HY	15.3	X	16.07277	246.41770	32.41537	16.53564	0.1450040	0.17767980	3.1336033	21	8 5.7	19.3
301556 2009 HS_{1}	16.5	X	12.69608	78.05948	37.03366	13.15797	0.1258096	0.22815098	2.6524945	21	—	—
301557 2009 HX_{2}	16.4	X	46.27731	276.37931	198.73519	13.96958	0.0931530	0.23546920	2.5972473	21	1 21.8	19.7
301558 2009 HL_{3}	15.9	X	248.41732	258.53902	160.97663	10.45391	0.0850934	0.18792793	3.0186203	21	7 24.7	20.5
301559 2009 HL_{9}	15.5	X	78.80093	100.99213	108.90504	11.88621	0.0933245	0.17773489	3.1329558	21	7 26.8	19.8
301560 2009 HZ_{14}	15.8	X	44.72726	153.71421	89.88190	6.49835	0.0909737	0.18100710	3.0950831	21	7 23.5	19.9
301561 2009 HU_{16}	16.2	X	328.14337	187.14082	105.84986	3.33644	0.1018775	0.17402907	3.1772754	21	5 28.4	20.2
301562 2009 HO_{19}	16.4	X	123.36070	79.80531	100.19305	1.98690	0.1327018	0.18317442	3.0706207	21	8 14.4	21.0
301563 2009 HK_{25}	14.6	X	83.12182	21.06257	59.58927	18.84273	0.0200989	0.14676840	3.5594345	21	2 22.6	19.9
301564 2009 HL_{32}	15.4	X	346.09274	91.80424	186.33660	13.29278	0.0635791	0.17191761	3.2032375	21	6 8.8	19.8
301565 2009 HE_{33}	16.0	X	191.55014	252.60072	214.78695	10.43048	0.1726360	0.18533932	3.0466624	21	7 18.0	21.2
301566 Melissajane	16.4	X	325.83361	106.89151	51.89895	12.81893	0.2296338	0.22835682	2.6509003	21	—	—
301567 2009 HT_{36}	15.9	X	103.90662	104.18086	109.34762	0.70966	0.0881831	0.18522692	3.0478948	21	8 30.3	20.3
301568 2009 HU_{39}	15.1	X	180.24874	164.46506	192.30445	17.99924	0.0855364	0.14708825	3.5542726	21	2 27.2	20.7
301569 2009 HY_{69}	16.2	X	347.53263	110.87293	219.15929	13.05949	0.0603549	0.18229302	3.0805104	21	8 12.9	20.5
301570 2009 HA_{81}	16.1	X	123.58258	324.48126	178.01768	10.47074	0.1659595	0.17773436	3.1329619	21	6 30.9	21.2
301571 2009 HJ_{82}	15.4	X	64.34471	14.08961	202.56314	18.00374	0.1525907	0.17469448	3.1692021	21	7 20.3	20.0
301572 2009 HF_{96}	15.7	X	54.92713	149.88900	73.62095	18.25103	0.1524308	0.17452861	3.1712097	21	7 21.6	20.0
301573 2009 HP_{99}	16.0	X	139.53446	307.60527	199.07199	4.58437	0.0953262	0.17945415	3.1129135	21	7 16.3	20.7
301574 2009 JV_{15}	16.0	X	100.54110	312.08327	230.50128	5.75248	0.0649643	0.17548422	3.1596866	21	7 13.3	20.6
301575 2009 KP_{3}	15.5	X	308.80864	249.89071	134.40519	11.80116	0.1003994	0.18268477	3.0761050	21	8 29.6	19.4
301576 2009 KR_{9}	16.1	X	106.21506	114.09503	87.32805	8.78679	0.0947956	0.17976725	3.1092979	21	8 21.0	20.8
301577 2009 KT_{17}	15.3	X	239.97775	184.43746	124.13499	11.02789	0.0685300	0.15173832	3.4812820	21	3 8.9	20.6
301578 2009 RE_{2}	16.7	X	189.80662	171.28135	149.12198	6.83652	0.1325777	0.20827192	2.8187003	21	1 20.9	21.2
301579 2009 UC_{87}	13.2	X	0.86163	298.84454	99.14184	5.20391	0.1079452	0.08331848	5.1916867	21	11 16.6	19.5
301580 2009 UT_{94}	12.9	X	305.38413	177.74015	287.55683	10.57240	0.0374881	0.08356944	5.1812879	21	11 20.3	19.8
301581 2009 XU_{9}	16.5	X	126.88065	8.87716	115.14811	23.72501	0.0663982	0.37534318	1.9033429	21	5 31.5	19.0
301582 2010 AO_{105}	16.9	X	170.12006	251.63690	66.48792	11.82930	0.1464106	0.24301636	2.5431914	21	—	—
301583 2010 BR_{2}	15.7	X	52.90407	276.16397	294.51375	21.33456	0.3021923	0.27910636	2.3189403	21	7 25.3	17.9
301584 2010 BN_{15}	16.8	X	127.17983	152.30437	140.04431	14.10055	0.2676235	0.22104808	2.7090159	21	—	—
301585 2010 BV_{38}	16.5	X	152.87652	141.56873	165.50267	11.80376	0.1895563	0.23242397	2.6198843	21	—	—
301586 2010 BG_{50}	15.9	X	359.63133	117.34257	148.18390	10.75476	0.1264188	0.18713045	3.0271905	21	6 11.4	19.6
301587 2010 CB_{10}	15.9	X	340.92009	254.35708	21.54672	8.92105	0.2864233	0.17940231	3.1135131	21	5 1.0	19.0
301588 2010 CP_{16}	15.4	X	328.15009	170.64674	124.95363	14.22184	0.2006937	0.18108600	3.0941840	21	5 22.6	19.3
301589 2010 CS_{28}	18.1	X	102.70072	214.21535	4.96253	3.65874	0.0907567	0.29636214	2.2280293	21	9 14.4	20.7
301590 2010 CB_{29}	17.7	X	21.07954	214.90047	28.07674	3.40666	0.1300511	0.28053710	2.3110491	21	6 13.5	19.7
301591 2010 CW_{33}	17.7	X	82.44324	289.71647	316.64135	5.23977	0.1076015	0.29988395	2.2105512	21	9 26.4	20.5
301592 2010 CG_{47}	16.5	X	166.75872	74.86510	168.00407	17.16215	0.0821219	0.21991761	2.7182916	21	12 15.4	20.9
301593 2010 CH_{58}	16.1	X	195.48949	262.83702	319.96700	13.73857	0.2415892	0.22984056	2.6394793	21	12 7.7	20.7
301594 2010 CC_{63}	17.3	X	27.96122	274.93041	354.42073	3.32801	0.2223317	0.28729839	2.2746466	21	8 28.1	18.9
301595 2010 CX_{76}	16.9	X	330.11164	317.94404	286.32735	1.72065	0.1609862	0.26739593	2.3861598	21	3 3.7	19.6
301596 2010 CN_{79}	17.7	X	313.60298	276.52675	344.67879	2.19465	0.0987287	0.27060395	2.3672637	21	3 13.3	20.5
301597 2010 CV_{82}	17.1	X	293.63268	113.15448	160.39064	7.30094	0.1064870	0.26546784	2.3976996	21	3 3.4	20.2
301598 2010 CH_{103}	17.2	X	306.16613	168.10241	160.77228	6.62325	0.1299703	0.28486633	2.2875748	21	6 3.4	19.8
301599 2010 CQ_{103}	17.4	X	270.12181	156.58226	138.26041	2.87201	0.1738852	0.26485818	2.4013776	21	2 25.1	20.8
301600 2010 CP_{126}	17.9	X	352.22557	138.63056	82.98475	1.93253	0.1463074	0.27231523	2.3573357	21	3 11.7	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
301601 2010 CH_{129}	17.3	X	104.95175	274.37033	159.33541	23.26836	0.0726967	0.35562240	1.9730737	21	1 28.1	19.3
301602 2010 CO_{139}	17.9	X	100.21028	252.89563	322.73795	2.49015	0.1801584	0.29222057	2.2490314	21	9 14.8	21.0
301603 2010 CP_{146}	17.0	X	19.33946	265.41993	339.73363	5.60717	0.0729526	0.28376994	2.2934633	21	6 9.8	19.4
301604 2010 CM_{151}	17.3	X	346.38875	195.93434	75.23940	5.43811	0.2111262	0.27765344	2.3270230	21	5 7.5	18.9
301605 2010 CJ_{152}	17.4	X	320.67873	176.14978	103.72021	3.02777	0.1821659	0.27371045	2.3493180	21	4 6.9	19.9
301606 2010 CK_{153}	16.5	X	15.97951	26.16145	158.75606	8.83312	0.1592683	0.26737079	2.3863094	21	3 1.2	18.4
301607 2010 CP_{153}	17.0	X	54.11310	282.44151	353.55190	9.84686	0.1668286	0.29441480	2.2378430	21	10 8.8	19.7
301608 2010 CG_{185}	16.2	X	325.67643	256.23569	322.94762	10.17276	0.1752248	0.26435824	2.4044042	21	1 22.8	19.2
301609 2010 CX_{217}	16.3	X	344.21804	156.10385	163.55473	15.14684	0.1593017	0.19141920	2.9818037	21	7 24.7	19.9
301610 2010 DH_{7}	18.2	X	15.70973	191.85601	70.51506	2.16375	0.2117732	0.28512018	2.2862168	21	7 12.9	19.5
301611 2010 DS_{20}	16.9	X	101.07667	214.20211	168.44379	12.55736	0.1122266	0.23627670	2.5913264	21	—	—
301612 2010 DN_{34}	16.7	X	14.19723	171.94732	14.39014	19.59565	0.0613316	0.35388462	1.9795277	21	2 27.3	18.8
301613 2010 DQ_{37}	17.4	X	239.59829	296.52656	339.33685	4.67443	0.1836941	0.25499486	2.4629094	21	1 6.5	21.4
301614 2010 DT_{38}	17.8	X	91.01723	90.97062	145.69793	4.75022	0.1404404	0.29637717	2.2279540	21	10 1.6	20.8
301615 2010 DS_{48}	16.1	X	251.22718	180.45842	74.31421	14.42622	0.1456739	0.24177573	2.5518839	21	—	—
301616 2010 DT_{52}	16.3	X	76.45743	81.42299	165.99217	17.42005	0.1481181	0.19668680	2.9283248	21	9 19.4	20.4
301617 2010 DA_{58}	15.3	X	295.33695	88.11892	212.49418	20.75411	0.1403344	0.17248138	3.1962537	21	4 15.5	19.9
301618 2010 DJ_{74}	17.0	X	337.63334	65.73003	168.44201	6.01085	0.0931953	0.26865470	2.3787005	21	3 12.8	19.6
301619 2010 DJ_{75}	17.4	X	47.81386	148.31002	166.28828	3.30051	0.1486494	0.30502607	2.1856372	21	11 25.9	19.9
301620 2010 DY_{75}	18.4	X	113.22910	272.32799	312.94320	0.39130	0.1298649	0.29862355	2.2167668	21	10 8.3	21.5
301621 2010 DQ_{76}	16.7	X	327.99485	240.80810	12.93773	11.76997	0.2561946	0.26895706	2.3769174	21	3 2.9	19.5
301622 2010 DZ_{77}	17.6	X	122.78828	17.06494	168.19947	5.66446	0.0985554	0.29205436	2.2498846	21	8 21.6	20.7
301623 2010 DA_{78}	16.6	X	355.21899	256.92262	343.93604	7.28906	0.0793374	0.27308739	2.3528900	21	4 18.4	19.1
301624 2010 EJ_{2}	15.4	X	22.60059	45.42007	177.17870	27.19554	0.0560116	0.17697082	3.1419670	21	5 22.9	20.1
301625 2010 EC_{21}	17.3	X	349.30214	212.95398	63.85479	3.66540	0.2143484	0.27826475	2.3236137	21	5 22.9	18.8
301626 2010 ER_{27}	15.7	X	317.84639	95.83708	213.77733	14.75820	0.1428560	0.17768009	3.1335999	21	5 28.9	19.8
301627 2010 EP_{28}	16.0	X	329.13164	95.11482	154.78293	17.97258	0.1338314	0.16930967	3.2360473	21	4 3.9	20.3
301628 2010 ED_{29}	16.9	X	157.25363	253.56014	176.86457	11.78485	0.0146491	0.27397197	2.3478227	21	4 19.9	19.9
301629 2010 EQ_{29}	17.7	X	347.96151	255.44703	347.68748	1.93529	0.1800529	0.27036403	2.3686639	21	3 30.0	19.7
301630 2010 ET_{29}	16.5	X	307.95891	177.97475	69.02705	7.46123	0.1535106	0.26316255	2.4116817	21	2 10.8	19.8
301631 2010 EN_{38}	15.7	X	71.12880	281.51767	1.74798	19.80044	0.1990395	0.21111169	2.7933662	21	10 27.6	20.1
301632 2010 EO_{38}	16.9	X	248.05022	307.25194	8.71232	19.78141	0.0593744	0.35733117	1.9667785	21	3 3.8	19.4
301633 2010 EF_{39}	16.8	X	330.95316	20.62161	181.40666	5.21743	0.1015359	0.25759095	2.4463334	21	1 17.5	19.8
301634 2010 ES_{39}	17.5	X	48.32522	222.82713	350.93353	3.75069	0.1300914	0.28062409	2.3105715	21	6 21.5	19.8
301635 2010 EG_{40}	17.4	X	6.04116	45.77797	183.39689	2.15377	0.1737235	0.27253955	2.3560420	21	4 17.7	19.0
301636 2010 EG_{41}	16.9	X	316.52320	90.86493	171.86986	6.07140	0.1077534	0.26741361	2.3860546	21	3 19.2	19.5
301637 2010 EX_{43}	17.4	X	40.95110	111.72196	126.47005	3.57914	0.1054124	0.28394803	2.2925042	21	7 12.8	19.7
301638 Kressin	16.1	X	92.00024	110.52566	182.27769	11.39491	0.3044753	0.21518815	2.7579760	21	12 14.4	21.1
301639 2010 EE_{69}	17.1	X	162.63000	225.85752	44.49784	4.19196	0.2433489	0.22835240	2.6509345	21	—	—
301640 2010 EO_{77}	17.1	X	91.09551	275.03434	336.56765	6.99676	0.0797949	0.29947661	2.2125552	21	10 10.6	20.0
301641 2010 EV_{82}	15.9	X	85.94450	252.54648	16.68737	8.39825	0.2418178	0.21016911	2.8017118	21	11 4.5	20.4
301642 2010 EN_{85}	17.5	X	335.66850	214.89505	38.93467	2.00028	0.1609222	0.26861941	2.3789088	21	3 27.9	19.7
301643 2010 ES_{87}	16.5	X	175.16524	66.01981	201.61839	12.61793	0.1828578	0.22738535	2.6584453	21	—	—
301644 2010 EJ_{89}	17.6	X	273.90937	175.71921	110.04161	2.94798	0.1888126	0.26076539	2.4264392	21	2 16.9	21.1
301645 2010 EB_{97}	17.2	X	357.27140	264.80076	25.08887	5.50897	0.1202072	0.28642211	2.2792836	21	7 12.3	19.2
301646 2010 EO_{100}	17.0	X	302.31850	280.14108	348.20187	9.60698	0.2271598	0.26765300	2.3846317	21	2 19.9	20.3
301647 2010 EL_{105}	17.3	X	357.17372	15.06197	196.08530	6.27671	0.1190630	0.26521856	2.3992017	21	3 7.4	19.7
301648 2010 ES_{106}	17.6	X	0.49052	82.70241	165.14441	4.12305	0.1482962	0.27452013	2.3446963	21	5 8.9	19.5
301649 2010 EL_{107}	18.1	X	160.98502	1.94480	189.79137	5.13746	0.0634225	0.30079888	2.2060664	21	10 16.2	20.8
301650 2010 EU_{107}	16.1	X	121.80233	264.62533	16.89760	13.91868	0.1267346	0.22035381	2.7147031	21	12 14.7	20.6
301651 2010 EQ_{109}	18.1	X	55.48463	78.28114	178.83629	2.50816	0.1354398	0.29233318	2.2484538	21	9 10.4	20.6
301652 2010 EU_{109}	17.6	X	12.24349	279.67541	1.89065	2.53104	0.1280968	0.28686617	2.2769308	21	7 30.9	19.4
301653 2010 EP_{120}	17.2	X	111.73873	283.16201	171.13595	25.04942	0.0825043	0.35954136	1.9587100	21	3 16.7	18.9
301654 2010 EV_{121}	17.5	X	332.09834	271.05510	314.54160	1.70521	0.1731893	0.26179615	2.4200660	21	2 8.7	20.2
301655 2010 EC_{127}	17.2	X	95.62269	112.95216	96.36735	6.59328	0.0993132	0.28916505	2.2648469	21	8 24.9	20.1
301656 2010 EW_{128}	18.2	X	120.84915	7.76268	201.95826	2.88615	0.1087991	0.29397463	2.2400763	21	9 23.4	21.1
301657 2010 EA_{129}	17.1	X	3.43105	13.57286	189.42060	4.62752	0.2003328	0.26381593	2.4076981	21	2 25.2	19.0
301658 2010 ET_{129}	16.7	X	53.60874	274.71312	357.50302	9.14340	0.2122414	0.20129326	2.8834774	21	9 30.2	20.6
301659 2010 EN_{130}	17.7	X	58.42858	18.69613	175.94365	6.83602	0.0411333	0.27530459	2.3402401	21	5 28.8	20.4
301660 2010 EO_{130}	17.3	X	61.35825	54.54649	187.82778	6.82779	0.0826138	0.28664834	2.2780841	21	8 16.9	19.9
301661 2010 ES_{130}	17.1	X	103.20377	18.69810	190.76365	6.50934	0.0515014	0.28966196	2.2622559	21	8 24.1	19.9
301662 2010 EO_{131}	17.8	X	350.01216	335.90813	253.81145	1.89874	0.1284379	0.26766831	2.3845407	21	3 20.8	20.2
301663 2010 EY_{132}	16.6	X	255.11458	328.58815	355.40093	6.86393	0.1309744	0.26519383	2.3993509	21	3 21.7	20.1
301664 2010 ET_{133}	16.9	X	153.96117	303.10100	347.23332	7.34960	0.1508669	0.23036817	2.6354477	21	—	—
301665 2010 EZ_{133}	16.3	X	172.18373	280.13371	357.45005	11.37595	0.2100027	0.23279975	2.6170642	21	—	—
301666 2010 EZ_{135}	17.0	X	220.33455	105.00628	135.71477	4.81105	0.0482094	0.23855860	2.5747753	21	—	—
301667 2010 EV_{137}	16.5	X	181.58654	272.75662	21.88588	7.44840	0.1834869	0.23621559	2.5917733	21	—	—
301668 2010 ED_{138}	17.2	X	315.61114	242.85213	26.19740	2.62274	0.1429105	0.26646685	2.3917031	21	3 21.5	20.0
301669 2010 EG_{138}	16.9	X	187.89977	127.01503	136.21978	1.61370	0.1378761	0.23454612	2.6040573	21	—	—
301670 2010 EP_{138}	17.6	X	325.69017	108.31907	129.82557	2.32981	0.1678040	0.26175485	2.4203205	21	2 17.8	20.3
301671 2010 FQ_{12}	17.1	X	178.71862	27.21213	241.78906	0.79479	0.1722478	0.23369775	2.6103557	21	—	—
301672 2010 FS_{12}	16.9	X	336.76681	32.80470	200.17376	6.46021	0.1427706	0.26357740	2.4091505	21	2 28.7	19.6
301673 2010 FB_{13}	17.6	X	319.56510	262.56145	21.08580	1.42613	0.1752945	0.26796479	2.3827816	21	4 10.9	20.2
301674 2010 FE_{13}	16.2	X	225.20343	9.73846	200.28105	6.11543	0.1992771	0.23095322	2.6309950	21	12 25.1	20.0
301675 2010 FG_{15}	17.8	X	108.81722	182.70658	33.56839	7.37144	0.0717906	0.29185725	2.2508975	21	9 18.2	20.7
301676 2010 FB_{16}	17.8	X	63.23838	200.30664	353.94107	4.37266	0.1584392	0.27824213	2.3237396	21	6 22.9	20.3
301677 2010 FC_{30}	17.8	X	122.36818	157.59358	25.82620	4.22718	0.0816576	0.28892589	2.2660965	21	8 19.5	20.7
301678 2010 FO_{47}	17.2	X	205.81941	193.35463	72.81685	2.13930	0.1517898	0.23950582	2.5679821	21	—	—
301679 2010 FA_{48}	17.2	X	354.22353	144.56104	153.78053	3.22125	0.1716777	0.28278276	2.2987978	21	7 17.4	18.7
301680 2010 FS_{54}	17.5	X	79.59213	358.36413	192.52928	6.76073	0.0586881	0.28050036	2.3112509	21	6 25.9	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
301681 2010 FY_{55}	18.0	X	323.40674	119.90310	109.05973	2.99450	0.1685891	0.25899769	2.4374672	21	2 2.9	21.1
301682 2010 FX_{56}	17.4	X	30.20018	139.99096	137.19614	3.24570	0.2064038	0.28624468	2.2802253	21	9 11.7	19.4
301683 2010 FX_{82}	17.0	X	291.58403	220.69545	83.51097	2.78653	0.1908655	0.26971303	2.3724738	21	3 30.9	20.1
301684 2010 FM_{83}	16.6	X	202.23952	169.12964	85.46641	4.72954	0.1277786	0.23320200	2.6140539	21	—	—
301685 2010 FA_{84}	16.3	X	128.73665	274.53409	8.21474	14.27644	0.1755157	0.22357135	2.6885944	21	12 26.2	21.0
301686 2010 FQ_{84}	17.3	X	103.14260	73.50931	126.33024	3.14952	0.1051769	0.28797064	2.2711052	21	8 19.7	20.2
301687 2010 FE_{86}	16.2	X	319.50387	274.76963	1.37504	9.71305	0.2957933	0.17706282	3.1408785	21	3 24.3	20.3
301688 2010 FD_{88}	16.9	X	343.84782	117.05728	173.16557	5.59734	0.1165895	0.27676284	2.3320125	21	6 13.9	19.2
301689 2010 FV_{88}	16.5	X	71.95204	55.78985	167.58390	9.52190	0.2167020	0.19524925	2.9426807	21	8 21.7	20.7
301690 2010 FE_{89}	17.3	X	267.78354	122.99494	180.98839	3.18113	0.1345241	0.26575929	2.3959463	21	3 9.2	20.6
301691 2010 FT_{91}	17.1	X	331.00606	10.23212	199.46267	10.63997	0.1378650	0.25472240	2.4646653	21	1 21.1	20.4
301692 2010 FY_{91}	16.6	X	219.32216	97.70738	223.00900	6.28498	0.1259878	0.25564953	2.4587029	21	2 9.1	20.5
301693 2010 FK_{92}	16.5	X	205.71651	230.52458	353.74016	9.74713	0.1846439	0.22902885	2.6457121	21	12 24.5	20.7
301694 2010 FL_{92}	17.6	X	151.10487	92.13505	159.86409	3.98459	0.1412182	0.31070601	2.1589187	21	12 22.4	20.6
301695 2010 FP_{95}	17.0	X	349.16158	331.27246	336.29328	2.66275	0.1691301	0.28225900	2.3016407	21	7 22.3	18.6
301696 2010 FN_{101}	17.1	X	64.43639	332.75873	236.12041	5.08413	0.0877010	0.27998624	2.3140794	21	7 4.1	19.8
301697 2010 GQ_{7}	17.0	X	175.38183	57.37688	189.84123	10.47555	0.1270450	0.22326661	2.6910402	21	12 25.7	21.3
301698 2010 GY_{24}	15.3	X	161.95236	194.96308	106.32583	15.99290	0.2524000	0.22862654	2.6488150	21	—	—
301699 2010 GV_{25}	17.2	X	15.06205	44.67745	183.76242	6.33489	0.0895064	0.27266766	2.3553040	21	5 9.9	19.5
301700 2010 GH_{26}	16.6	X	211.70666	152.94521	94.64253	4.39859	0.1716187	0.23351623	2.6117083	21	—	—
301701 2010 GJ_{26}	17.0	X	277.68651	233.82628	50.54829	7.49234	0.0951386	0.25691486	2.4506234	21	3 4.9	20.5
301702 2010 GU_{27}	17.1	X	341.21580	118.71648	119.39747	5.46497	0.0932311	0.26192404	2.4192782	21	3 28.1	19.8
301703 2010 GV_{27}	16.0	X	329.30073	75.21984	207.73688	14.08621	0.1429628	0.17943873	3.1130918	21	5 12.0	19.9
301704 2010 GW_{28}	16.8	X	164.52149	141.56245	125.67661	14.27954	0.2346146	0.22363890	2.6880530	21	—	—
301705 2010 GZ_{28}	17.8	X	55.99152	350.79495	200.35909	1.81540	0.1310291	0.27306917	2.3529946	21	5 31.7	20.1
301706 2010 GB_{29}	17.3	X	50.66619	317.06748	224.22418	5.69031	0.0431027	0.26842118	2.3800799	21	4 25.9	20.1
301707 2010 GQ_{29}	16.9	X	30.69919	148.31014	69.53745	4.93319	0.1699664	0.27254890	2.3559881	21	5 28.1	18.5
301708 2010 GB_{31}	17.3	X	310.57016	60.55022	175.70769	6.63233	0.0777522	0.25955968	2.4339476	21	2 7.4	20.4
301709 2010 GW_{31}	16.6	X	96.07087	98.14191	192.68851	10.66099	0.2004251	0.21030754	2.8004822	21	12 7.7	21.3
301710 2010 GU_{32}	16.8	X	171.91168	83.68437	172.96829	7.50693	0.2271642	0.22508882	2.6764970	21	12 29.0	21.5
301711 2010 GW_{66}	17.5	X	61.60505	349.11620	213.13455	2.17896	0.1063711	0.27724618	2.3293013	21	6 23.1	20.0
301712 2010 GZ_{71}	14.9	X	141.51555	108.55308	9.68050	23.69241	0.0860969	0.17304710	3.1892838	21	6 8.5	20.2
301713 2010 GD_{97}	17.0	X	186.93407	73.22332	147.13413	5.86244	0.0505695	0.22147955	2.7054964	21	12 11.6	21.0
301714 2010 GF_{97}	17.0	X	225.19659	93.59237	193.31230	11.43507	0.1829472	0.24207734	2.5497638	21	1 7.3	21.4
301715 2010 GD_{99}	16.8	X	199.80460	222.71670	60.34098	5.04902	0.1127947	0.24087628	2.5582326	21	—	—
301716 2010 GK_{100}	16.9	X	343.68835	203.53658	72.67273	3.02133	0.1068132	0.27115209	2.3640722	21	5 23.1	19.2
301717 2010 GK_{103}	16.7	X	210.65148	82.26594	184.27335	11.30249	0.1784927	0.23501937	2.6005604	21	—	—
301718 2010 GE_{104}	17.1	X	148.75730	75.90645	189.69376	8.91506	0.1153574	0.22372540	2.6873601	21	12 22.9	21.4
301719 2010 GO_{104}	17.5	X	344.36716	195.51157	25.39746	5.34137	0.0633958	0.26327080	2.4110206	21	3 11.4	20.2
301720 2010 GB_{105}	17.2	X	20.64018	65.12549	186.98952	2.53190	0.0934668	0.27774503	2.3265114	21	6 25.3	19.3
301721 2010 GR_{107}	17.4	X	286.82855	349.27605	248.08436	2.59036	0.1301776	0.25160720	2.4849673	21	1 7.2	20.8
301722 2010 GQ_{113}	18.2	X	318.15463	258.34511	332.20166	0.97278	0.1332662	0.25689180	2.4507700	21	2 3.5	21.4
301723 2010 GZ_{113}	17.6	X	118.41851	344.49503	212.14622	6.67934	0.0858025	0.28911065	2.2651310	21	8 28.9	20.7
301724 2010 GL_{114}	17.2	X	272.50599	176.09682	34.55019	2.78947	0.1264687	0.24160901	2.5530577	21	—	—
301725 2010 GZ_{114}	17.1	X	288.54073	272.42216	26.10598	6.76628	0.1351087	0.26292688	2.4131226	21	3 28.1	20.2
301726 2010 GB_{116}	16.4	X	166.93320	169.37180	77.09155	10.72935	0.0921848	0.22245460	2.6975849	21	12 18.3	20.5
301727 2010 GK_{119}	16.9	X	216.87076	65.70614	218.90976	12.37852	0.1633515	0.24196561	2.5505487	21	—	—
301728 2010 GB_{120}	16.6	X	179.79672	128.42419	193.61508	14.43540	0.1994410	0.23904483	2.5712826	21	1 11.2	21.1
301729 2010 GR_{120}	16.7	X	120.10674	82.26669	187.50967	9.46433	0.1807520	0.21418341	2.7665944	21	12 3.4	21.4
301730 2010 GU_{126}	17.1	X	42.96800	141.21389	297.55494	0.95793	0.0447473	0.24178138	2.5518442	21	—	—
301731 2010 GT_{127}	16.7	X	177.05231	140.39081	148.34916	5.16235	0.0961468	0.23299215	2.6156232	21	—	—
301732 2010 GF_{131}	17.0	X	203.85991	332.13636	55.49560	7.76533	0.1394037	0.26596827	2.3946911	21	4 22.5	20.7
301733 2010 GA_{137}	16.7	X	162.95037	143.25577	178.89298	3.14164	0.1434755	0.24665073	2.5181472	21	—	—
301734 2010 GL_{141}	16.5	X	169.90917	160.75582	150.01172	10.41575	0.2052887	0.23780889	2.5801839	21	—	—
301735 2010 GJ_{144}	17.4	X	177.12131	175.98081	139.01585	1.15042	0.1535949	0.24014815	2.5634010	21	—	—
301736 2010 GV_{144}	17.7	X	11.99429	234.48726	27.87393	2.34292	0.0883634	0.28080629	2.3095719	21	6 25.0	19.8
301737 2010 GK_{156}	17.4	X	147.24794	29.02376	171.72997	4.45023	0.0833181	0.29736847	2.2229999	21	10 12.1	20.4
301738 2010 GH_{157}	17.5	X	116.06914	99.56705	68.49815	5.08547	0.1287209	0.28174895	2.3044176	21	7 25.1	20.6
301739 2010 GV_{157}	16.4	X	12.70995	56.83504	174.40388	8.00821	0.2308432	0.18147062	3.0898104	21	5 21.2	19.4
301740 2010 GZ_{157}	16.2	X	142.63135	188.65766	49.86573	10.13782	0.1093720	0.21438144	2.7648905	21	11 13.5	20.3
301741 2010 GE_{160}	16.2	X	245.01925	320.24213	299.45937	9.02381	0.1311229	0.24552617	2.5258304	21	—	—
301742 2010 GS_{160}	16.2	X	263.35928	13.74802	180.41888	15.26191	0.1128735	0.23605765	2.5929292	21	—	—
301743 2010 GU_{161}	15.9	X	86.22745	209.07015	83.72978	10.15547	0.1464198	0.21304422	2.7764480	21	11 26.8	20.1
301744 2010 HV_{64}	15.4	X	215.75690	278.79348	123.63083	11.06165	0.0187974	0.16851304	3.2462381	21	6 4.2	20.2
301745 2010 HN_{79}	17.2	X	15.29458	189.77854	64.12149	2.56650	0.0917118	0.27619639	2.3351998	21	6 17.9	19.3
301746 2010 HQ_{79}	16.8	X	159.77558	324.82237	278.35668	2.27316	0.0902890	0.22125705	2.7073099	21	12 7.1	20.9
301747 2010 HK_{80}	16.7	X	255.08982	343.57527	216.71872	6.35206	0.1451475	0.23565239	2.5959011	21	—	—
301748 2010 HQ_{103}	17.7	X	309.31685	238.27277	45.27196	3.00128	0.1789964	0.26650057	2.3915013	21	3 27.3	20.5
301749 2010 HT_{103}	15.8	X	46.51957	265.20654	55.72972	15.70016	0.1658260	0.20610119	2.8384574	21	11 16.9	19.5
301750 2010 HM_{105}	15.7	X	286.79852	180.42116	142.78019	10.44421	0.2820950	0.17758295	3.1347425	21	4 18.2	20.5
301751 2010 HF_{107}	17.1	X	203.34180	227.44118	51.50714	4.02760	0.1102045	0.23859071	2.5745443	21	—	—
301752 2010 JL	15.7	X	151.94893	181.87595	71.43258	15.36062	0.0895596	0.22036310	2.7146268	21	12 10.9	19.9
301753 2010 JZ	13.8	X	331.99601	154.04163	154.79810	10.85657	0.0616527	0.08253870	5.2243343	21	6 28.5	20.5
301754 2010 JQ_{29}	16.5	X	138.60337	85.86888	169.07354	13.14993	0.1762927	0.21448227	2.7640238	21	12 2.4	21.3
301755 2010 JL_{30}	17.4	X	187.79232	101.76950	213.53086	8.51883	0.0621337	0.24101815	2.5572286	21	1 2.4	21.2
301756 2010 JU_{30}	16.3	X	274.55502	98.29188	221.52445	8.55517	0.1330655	0.26593454	2.3948935	21	4 5.4	19.8
301757 2010 JW_{30}	16.2	X	166.35919	334.57996	219.56244	11.70780	0.2320070	0.21411509	2.7671829	21	10 10.9	21.1
301758 2010 JA_{34}	16.4	X	227.34316	90.08856	167.97629	4.15093	0.1757307	0.23640167	2.5904131	21	—	—
301759 2010 JL_{35}	16.9	X	253.03418	278.05832	50.85731	2.89332	0.1923575	0.26426145	2.4049913	21	3 22.8	20.6
301760 2010 JP_{42}	12.9	X	352.37447	283.50458	4.76540	18.97124	0.1213932	0.08340698	5.1880138	21	7 1.7	19.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
301761 2010 JL_{43}	16.0	X	64.90351	268.28553	62.82902	15.71218	0.2080468	0.21094681	2.7948215	21	12 25.4	20.3
301762 2010 JM_{43}	16.8	X	182.83040	68.22547	218.53062	12.04109	0.1634054	0.23106508	2.6301459	21	—	—
301763 2010 JB_{44}	16.4	X	241.01935	353.14716	241.40396	4.78715	0.0915012	0.23645782	2.5900030	21	—	—
301764 2010 JQ_{44}	17.4	X	226.28364	328.16886	250.24852	1.11678	0.0769916	0.23021954	2.6365819	21	—	—
301765 2010 JQ_{45}	16.5	X	100.46812	112.22116	212.97245	11.87032	0.1262917	0.22019234	2.7160301	21	—	—
301766 2010 JU_{48}	15.9	X	276.84003	155.13888	151.36358	12.67376	0.0422128	0.17351990	3.1834877	21	4 18.5	20.6
301767 2010 JX_{73}	16.5	X	70.82003	250.88201	60.57782	4.46952	0.1030700	0.21171947	2.7880176	21	11 26.4	20.4
301768 2010 JD_{79}	16.2	X	338.21459	274.45669	110.32763	7.04650	0.1375161	0.20569213	2.8422194	21	10 21.8	19.4
301769 2010 JZ_{81}	15.6	X	306.03407	114.58103	180.16520	10.82402	0.1403550	0.17646195	3.1480044	21	4 24.3	19.9
301770 2010 JK_{87}	16.3	X	229.82113	19.77866	236.70260	14.53106	0.1001249	0.23687235	2.5869804	21	—	—
301771 2010 JD_{117}	15.9	X	103.53173	91.79369	215.85637	13.93999	0.1130255	0.21682895	2.7440448	21	12 27.0	20.3
301772 2010 JK_{120}	16.4	X	65.46483	167.29683	145.04394	8.37505	0.2785451	0.20453918	2.8528901	21	12 12.4	20.9
301773 2010 JC_{121}	16.1	X	72.23965	221.71499	107.86706	10.50223	0.1615576	0.21244145	2.7816974	21	12 27.1	20.3
301774 2010 JD_{121}	15.4	X	75.00745	204.02705	88.88964	16.50191	0.1262870	0.20608820	2.8385767	21	11 15.4	19.7
301775 2010 JW_{121}	16.3	X	98.39540	234.92445	96.94524	12.24237	0.1271226	0.22266776	2.6958630	21	—	—
301776 2010 JQ_{122}	16.8	X	218.91801	28.36709	156.72183	6.45680	0.0840557	0.21933292	2.7231204	21	12 1.2	20.8
301777 2010 JG_{147}	16.5	X	338.97706	112.85961	184.14510	6.74493	0.2454024	0.18336970	3.0684402	21	6 4.8	19.8
301778 2010 JK_{148}	16.7	X	111.55116	357.28048	102.63179	6.28958	0.0854450	0.26257758	2.4152622	21	4 11.6	19.8
301779 2010 JL_{149}	16.1	X	240.13997	56.26522	178.94402	14.26897	0.1199628	0.23722799	2.5843942	21	—	—
301780 2010 JK_{153}	15.9	X	302.98941	296.67031	232.92231	13.76951	0.0772752	0.23635708	2.5907388	21	—	—
301781 2010 JZ_{159}	17.1	X	158.60719	142.22931	133.37636	4.30100	0.0701350	0.22613048	2.6682713	21	—	—
301782 2010 JP_{165}	16.7	X	69.23786	253.60423	73.23957	5.34976	0.0678655	0.21536066	2.7565030	21	12 9.5	20.6
301783 2010 JB_{167}	16.7	X	349.36303	138.94239	203.38034	10.71835	0.1089706	0.19774200	2.9178980	21	9 4.6	20.2
301784 2010 JS_{170}	16.5	X	57.17862	116.76335	166.06882	6.03776	0.0519132	0.20126079	2.8837876	21	9 26.4	20.3
301785 2010 KV_{8}	16.6	X	329.42556	355.48567	155.37100	5.49006	0.0684713	0.23848087	2.5753348	21	—	—
301786 2010 KD_{9}	16.6	X	354.60050	67.55972	210.67050	7.46250	0.1080448	0.27466758	2.3438570	21	6 16.3	18.9
301787 2010 KE_{62}	16.1	X	216.09204	11.31230	248.65994	9.02622	0.1699319	0.23785478	2.5798520	21	—	—
301788 2010 KF_{127}	16.5	X	299.90395	236.13223	335.59831	3.53586	0.1836765	0.24590278	2.5232508	21	—	—
301789 2010 KG_{128}	17.1	X	14.58600	27.51185	233.67883	5.85271	0.0983588	0.27302592	2.3532431	21	6 28.1	19.3
301790 2010 LO_{1}	16.2	X	281.00385	243.90380	331.92110	3.39978	0.1779025	0.24188204	2.5511362	21	—	—
301791 2010 LQ_{14}	16.8	X	104.11989	175.67516	186.68330	8.15467	0.0628933	0.23073529	2.6326515	21	—	—
301792 2010 LX_{14}	17.3	X	61.16626	25.38364	186.59604	6.70769	0.0608022	0.27392822	2.3480727	21	6 29.3	20.1
301793 2010 LA_{15}	16.6	X	236.37561	126.26754	108.58863	9.56796	0.0615497	0.23398737	2.6082013	21	—	—
301794 Antoninkapustin	15.6	X	327.82596	68.18176	223.12535	25.04390	0.1449131	0.17466522	3.1695559	21	5 19.9	19.6
301795 2010 LG_{107}	16.6	X	302.44936	64.13140	130.46273	6.44042	0.0966992	0.24149105	2.5538890	21	—	—
301796 2010 OW_{41}	15.1	X	233.82557	285.39269	17.90901	14.23318	0.1490651	0.16239227	3.3273039	21	2 21.5	20.6
301797 2010 OL_{83}	15.9	X	307.60514	115.50209	171.45954	11.18836	0.1861614	0.17580415	3.1558520	21	4 9.8	20.1
301798 2010 OT_{84}	17.3	X	200.28038	69.11600	174.02507	3.88326	0.1536451	0.23006718	2.6377458	21	—	—
301799 2010 RW_{70}	17.6	X	335.07716	231.04944	140.33053	3.87693	0.1665655	0.26743130	2.3859494	21	10 5.8	19.4
301800 2011 BL_{60}	16.0	X	33.09994	211.95866	28.28482	14.77608	0.0298499	0.22367337	2.6877768	21	6 23.6	19.8
301801 2011 BT_{79}	17.1	X	255.92516	33.89152	199.18895	4.74732	0.1777919	0.27527748	2.3403938	21	—	—
301802 2011 BS_{100}	16.8	X	143.23717	235.25152	285.00499	2.05004	0.0799755	0.22975779	2.6401133	21	8 7.5	20.6
301803 2011 MM_{2}	15.5	X	282.93689	134.82528	171.34060	11.96801	0.0462695	0.17667008	3.1455316	21	4 23.4	20.0
301804 2011 MT_{5}	17.2	X	272.10355	181.26749	127.94227	8.06299	0.2739840	0.27355285	2.3502202	21	3 8.9	21.0
301805 2011 MX_{6}	17.3	X	301.57650	222.00685	109.24821	8.50085	0.1662592	0.28669434	2.2778405	21	5 24.9	20.0
301806 2011 MP_{8}	17.0	X	231.34858	9.13760	295.15495	4.03337	0.2075079	0.26229016	2.4170264	21	1 31.1	21.0
301807 2011 NQ_{2}	16.1	X	64.75680	190.91004	150.09936	13.77453	0.0659560	0.22223622	2.6993518	21	12 23.6	20.1
301808 2011 OO_{10}	16.4	X	12.16673	137.92594	169.84859	7.97485	0.3112267	0.20132973	2.8831292	21	9 25.1	18.7
301809 2011 OG_{12}	17.4	X	171.16538	71.73671	287.04709	4.61251	0.1023400	0.25745442	2.4471982	21	2 7.8	20.8
301810 2011 OW_{14}	17.3	X	228.56556	77.31433	244.45649	0.49936	0.2092377	0.26197456	2.4189671	21	2 18.9	21.3
301811 2011 OE_{20}	17.8	X	22.33997	347.81337	323.57567	4.51774	0.1843120	0.30309578	2.1949070	21	10 16.0	19.8
301812 2011 OW_{24}	16.4	X	122.99329	179.79912	148.10368	16.73500	0.2418453	0.23482262	2.6020128	21	—	—
301813 2011 OA_{25}	17.1	X	248.29617	196.98833	148.22885	7.94744	0.2616872	0.27180248	2.3602995	21	4 4.0	21.1
301814 2011 PJ_{3}	15.2	X	274.40407	215.72656	114.82324	18.41431	0.1902882	0.17737600	3.1371803	21	4 29.8	20.3
301815 2011 PF_{4}	16.8	X	315.46901	347.01787	317.76435	6.18072	0.1810839	0.28432616	2.2904712	21	4 29.4	19.4
301816 2011 PO_{4}	16.4	X	219.30981	125.27008	178.90735	6.39948	0.1448475	0.25817892	2.4426179	21	1 20.7	20.3
301817 2011 PB_{6}	17.8	X	146.23428	164.76286	163.16106	10.24728	0.2096092	0.23803126	2.5785767	21	—	—
301818 2011 PC_{6}	16.3	X	283.24167	185.59844	163.46874	12.98155	0.2402120	0.17994027	3.1073044	21	5 20.5	21.1
301819 2011 PE_{6}	16.0	X	309.42161	319.79433	329.81812	9.49916	0.1805197	0.17586365	3.1551402	21	4 10.0	20.4
301820 2011 PK_{8}	17.1	X	272.74500	293.93879	326.39988	5.87964	0.1714471	0.25812485	2.4429590	21	1 17.6	20.8
301821 2011 PP_{8}	16.2	X	338.12798	142.37567	169.43811	12.02577	0.1307413	0.18718876	3.0265617	21	7 4.8	20.1
301822 2011 PB_{9}	17.8	X	45.82257	1.66794	255.65834	2.23312	0.1407994	0.29356444	2.2421625	21	8 26.2	20.0
301823 2011 PC_{9}	17.6	X	67.32314	215.51927	206.38349	3.53006	0.1712812	0.23544069	2.5974570	21	—	—
301824 2011 PE_{9}	16.3	X	272.30665	250.58121	170.19674	10.60311	0.1315681	0.19228049	2.9728927	21	8 18.4	20.4
301825 2011 PK_{9}	17.7	X	175.09887	106.86927	198.57765	1.54026	0.1748869	0.24125040	2.5555871	21	—	—
301826 2011 PS_{9}	16.8	X	265.94744	35.95904	282.54107	1.62794	0.1983733	0.26975835	2.3722081	21	3 18.7	20.3
301827 2011 QY_{1}	16.4	X	98.78973	305.05787	328.74187	4.18265	0.1300810	0.21171056	2.7880959	21	11 12.4	20.6
301828 2011 QM_{7}	15.9	X	209.74635	253.08080	166.65367	8.23739	0.0835515	0.18250179	3.0781608	21	6 13.3	20.7
301829 2011 QG_{8}	16.9	X	168.69700	103.20747	153.06723	17.04149	0.1791193	0.23440194	2.6051251	21	12 30.2	21.5
301830 2011 QF_{12}	17.9	X	164.18338	262.13953	138.80109	2.74387	0.1681890	0.25713870	2.4492009	21	4 2.3	21.7
301831 2011 QH_{14}	17.3	X	306.57484	162.91665	184.38123	6.14791	0.2172892	0.28803370	2.2707737	21	6 15.6	19.6
301832 2011 QT_{16}	17.4	X	235.85857	129.46067	291.24074	2.17365	0.2084596	0.28204464	2.3028067	21	6 30.5	20.9
301833 2011 QY_{24}	17.2	X	180.03635	60.94557	271.62673	2.05701	0.0558206	0.24678360	2.5172433	21	1 14.5	20.8
301834 2011 QT_{33}	15.8	X	291.57187	5.65231	330.57105	10.66817	0.1304505	0.18071325	3.0984373	21	5 24.6	20.3
301835 2011 QY_{49}	15.3	X	67.29632	325.44237	358.57443	16.65182	0.2798210	0.21436091	2.7650670	21	12 29.9	20.0
301836 2011 RQ_{1}	16.4	X	314.89391	337.58515	191.67841	5.98740	0.0577777	0.23844975	2.5755588	21	—	—
301837 5581 *P–L*	16.6	X	112.48661	329.01655	39.98863	4.81430	0.2307058	0.23200650	2.6230261	21	1 7.5	19.9
301838 6226 *P–L*	15.5	X	229.77124	59.54152	354.81357	21.38769	0.2285113	0.17449825	3.1715775	21	6 15.2	21.2
301839 1488 *T–2*	18.0	X	312.10304	192.86491	186.18148	0.48245	0.2151555	0.28659639	2.2783594	21	8 19.4	19.6
301840 4212 *T–3*	15.9	X	244.20127	357.18926	46.35520	12.52281	0.2078927	0.17417283	3.1755267	21	6 16.6	21.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
301841 4260 T–3	16.3	X	153.71945	273.67490	39.95471	13.56962	0.1935328	0.23207610	2.6225016	21	—	—
301842 1980 FG_4	14.2	X	352.59906	94.45129	354.62213	30.01156	0.4033869	0.21160744	2.7890015	21	—	—
301843 1981 DZ_2	15.6	X	169.37193	311.68193	200.49405	20.45676	0.2865710	0.17995106	3.1071803	21	8 19.9	21.5
301844 1990 UA	19.6	X	245.44896	202.59239	104.26813	0.92852	0.5261876	0.46838325	1.6421084	21	1 23.0	22.8
301845 1992 SS_4	16.5	X	125.50489	275.71709	21.08716	8.86593	0.1554345	0.21272867	2.7791930	21	—	—
301846 1993 OV_1	17.0	X	301.54087	324.46906	310.43382	11.25511	0.4369714	0.27548513	2.3392175	21	2 1.9	21.1
301847 1994 AE_5	17.7	X	230.87951	59.34413	334.22941	1.53513	0.2193314	0.26854801	2.3793304	21	5 20.1	21.5
301848 1994 PQ_3	16.3	X	323.80301	174.49494	153.91530	3.62097	0.2462666	0.18053412	3.1004866	21	6 17.8	19.7
301849 1994 SC_7	17.6	X	249.03996	60.05249	13.30346	4.32990	0.1173838	0.28866938	2.2674388	21	8 15.7	20.3
301850 1994 TE_8	16.5	X	238.85980	23.49580	58.65747	1.93439	0.1635660	0.17610527	3.1522536	21	8 3.9	21.5
301851 1994 UF_8	17.0	X	157.64784	22.55761	323.25273	2.21387	0.0403251	0.23313394	2.6145626	21	1 6.2	20.4
301852 1994 WP_4	16.7	X	10.75031	312.82796	143.83478	6.37641	0.0504556	0.22692529	2.6620372	21	—	—
301853 1994 WU_4	16.4	X	57.42975	319.08789	96.90553	10.00506	0.1211857	0.22794905	2.6540608	21	—	—
301854 1995 BS_{14}	17.1	X	87.36027	276.77792	306.32034	5.08679	0.1941876	0.27680029	2.3318021	21	9 9.9	20.4
301855 1995 CY_1	16.2	X	120.11594	250.38745	281.31672	22.79771	0.2380716	0.27417323	2.3466736	21	8 4.2	20.2
301856 1995 ES_4	16.9	X	2.44294	285.09176	147.26259	4.16622	0.0731489	0.21574207	2.7532532	21	—	—
301857 1995 MV_2	17.0	X	72.77232	36.99531	147.84857	6.55836	0.1950048	0.26772668	2.3841941	21	6 30.5	19.8
301858 1995 QX_{15}	16.4	X	269.86338	173.89093	256.74621	8.36590	0.0177391	0.18994605	2.9972010	21	9 10.6	20.8
301859 1995 SV_{10}	15.5	X	339.92312	358.43853	12.07271	10.27211	0.1201498	0.18856163	3.0118534	21	9 29.5	19.0
301860 1995 SW_{35}	17.3	X	213.10166	27.00316	313.77209	0.48364	0.0272556	0.25059005	2.4916871	21	3 3.3	20.6
301861 1995 SG_{50}	16.5	X	346.54812	147.77222	225.32366	2.62663	0.0466198	0.18951689	3.0017240	21	10 11.8	20.5
301862 1995 SO_{62}	16.8	X	264.14091	276.51330	151.85448	2.88797	0.0591019	0.18620280	3.0372363	21	8 29.6	21.0
301863 1995 SP_{69}	16.7	X	234.93659	106.93115	348.97612	6.16927	0.0832484	0.18677205	3.0310618	21	8 26.5	21.0
301864 1995 SK_{80}	15.6	X	110.65827	143.84670	230.44616	1.17397	0.2134020	0.12619992	3.9363769	21	1 28.4	21.3
301865 1995 SM_{80}	16.3	X	1.54824	277.71309	17.21726	11.45467	0.0968529	0.18373017	3.0644254	21	7 28.3	20.3
301866 1995 TR_8	16.0	X	232.39212	99.65790	17.14875	18.32025	0.0826007	0.18670377	3.0318008	21	9 22.7	20.5
301867 1995 UR_{17}	16.5	X	261.53417	156.85705	274.04273	2.30277	0.0941094	0.18575995	3.0420615	21	8 23.3	20.9
301868 1995 UW_{50}	15.4	X	111.70216	154.51723	213.66063	4.91324	0.2834154	0.12690184	3.9218481	21	1 29.2	21.3
301869 1995 VZ_2	16.6	X	291.20763	342.13965	48.17523	2.45971	0.2419338	0.18426338	3.0585108	21	7 19.7	20.6
301870 1995 WE_{10}	15.8	X	75.95778	76.60559	329.84834	1.85951	0.2127535	0.12306358	4.0029762	21	1 26.1	20.8
301871 1995 WH_{20}	16.3	X	349.96175	119.31365	211.93782	10.06937	0.0822595	0.18290860	3.0735949	21	8 19.4	20.4
301872 1995 WV_{21}	16.9	X	260.56478	170.44090	110.60521	4.67786	0.1818943	0.24589664	2.5232928	21	2 1.1	20.9
301873 1995 WX_{24}	16.1	X	286.48532	137.65959	253.18572	9.82203	0.0780781	0.18214563	3.0821720	21	8 3.8	20.5
301874 1995 WV_{38}	16.5	X	270.76153	53.23317	29.43062	9.62198	0.1255887	0.18535890	3.0464478	21	9 19.0	20.7
301875 1996 BN_{12}	16.8	X	120.38316	336.25258	68.39852	4.37784	0.2334659	0.23787236	2.5797249	21	3 3.9	20.5
301876 1996 EA_7	16.2	X	78.38032	87.88763	350.95699	14.91208	0.1138794	0.23351447	2.6117214	21	2 4.9	19.4
301877 1996 JZ_9	17.2	X	181.34453	310.29740	218.21298	8.38790	0.1101541	0.28831168	2.2693138	21	10 2.4	20.6
301878 1996 VU_{39}	17.8	X	281.40448	260.53512	69.62097	3.62123	0.2040795	0.26495451	2.4007955	21	4 21.0	21.1
301879 1997 HK_{13}	15.0	X	220.44175	281.09293	213.04088	16.97863	0.2400084	0.18086884	3.0966602	21	9 7.1	20.4
301880 1997 HT_{15}	15.8	X	230.52660	86.28633	34.30828	21.81818	0.1962331	0.18061771	3.0995298	21	9 19.1	21.0
301881 1997 TV_{21}	16.6	X	359.02310	53.11910	26.91633	6.44584	0.1130661	0.21233197	2.7826535	21	—	—
301882 1998 BN_{36}	17.7	X	55.46452	224.94557	315.00921	1.57573	0.1445763	0.26312172	2.4119312	21	5 15.3	20.2
301883 1998 EQ_9	16.3	X	356.85811	80.23944	138.83543	5.00454	0.2126982	0.25760662	2.4462342	21	3 10.8	18.3
301884 1998 KB_3	15.0	X	311.26252	90.87678	225.18765	22.14632	0.1659550	0.17472178	3.1688719	21	5 23.7	19.2
301885 1998 QV_2	16.1	X	180.10014	311.06591	313.60996	17.28185	0.3360752	0.23370656	2.6102901	21	—	—
301886 1998 QY_4	16.7	X	154.59657	355.24021	315.64359	15.47979	0.3075808	0.23264256	2.6182429	21	—	—
301887 1998 QX_{23}	16.6	X	124.24164	79.71005	272.00954	2.97651	0.3240643	0.23119676	2.6291471	21	1 11.8	20.4
301888 1998 QC_{28}	17.0	X	113.88265	32.84427	354.61679	6.17536	0.2016436	0.23232821	2.6206041	21	1 29.6	20.4
301889 1998 QH_{85}	16.0	X	138.19931	85.24873	246.62909	11.31152	0.1818136	0.23119381	2.6291695	21	—	—
301890 1998 QO_{94}	15.7	X	153.68486	339.87422	337.06013	15.57588	0.2267246	0.23222839	2.6213550	21	—	—
301891 1998 QP_{95}	16.6	X	127.13640	101.17054	263.68847	6.54278	0.2423650	0.23250684	2.6192617	21	1 19.4	20.3
301892 1998 QL_{98}	15.1	X	155.27308	307.21069	10.14905	31.50064	0.2768065	0.23117352	2.6293233	21	—	—
301893 1998 RR_{12}	16.7	X	119.38351	198.32719	187.43527	3.43447	0.2106624	0.23212669	2.6221206	21	2 1.7	20.3
301894 1998 RX_{28}	17.4	X	133.94796	183.76880	156.74694	9.12362	0.3678981	0.23147752	2.6270207	21	1 11.7	21.7
301895 1998 RH_{42}	16.2	X	105.18422	70.50035	338.81308	11.80676	0.1930201	0.23343957	2.6122801	21	2 13.9	19.6
301896 1998 SH_5	16.9	X	109.60608	222.46821	182.57766	5.01934	0.1666887	0.23398279	2.6082353	21	2 7.0	20.2
301897 1998 SE_{12}	16.1	X	79.66670	6.17222	21.71928	19.07185	0.3303520	0.22614330	2.6681704	21	—	—
301898 1998 SP_{34}	16.3	X	149.04182	304.64704	14.93424	13.64576	0.2975371	0.23109129	2.6299470	21	—	—
301899 1998 SA_{46}	17.0	X	94.96987	356.17491	15.81966	7.03295	0.1839381	0.22707177	2.6608922	21	—	—
301900 1998 SM_{89}	17.0	X	130.83102	29.44911	315.58015	5.02606	0.1823630	0.23051912	2.6342970	21	—	—
301901 1998 UP_{14}	16.5	X	323.24505	85.94815	47.83838	10.05258	0.0470692	0.22362588	2.6881573	21	—	—
301902 1998 UG_{19}	16.3	X	114.62652	349.45035	30.69250	16.14884	0.2577719	0.23068941	2.6330005	21	2 3.6	20.2
301903 1998 UR_{50}	16.5	X	29.97203	78.25875	40.29355	5.63983	0.0414657	0.23003453	2.6379954	21	1 7.4	19.8
301904 1998 WN_{32}	16.5	X	39.55986	32.66866	54.94440	8.57412	0.2204750	0.22523462	2.6753418	21	—	—
301905 1998 WR_{41}	15.9	X	73.75501	143.77104	247.52772	12.36936	0.2039963	0.22461986	2.6802210	21	—	—
301906 1998 XV_5	16.9	X	119.35142	265.27487	73.82867	7.99696	0.2171766	0.22558239	2.6725916	21	—	—
301907 1998 XB_9	16.1	X	27.98971	108.32005	318.89835	13.54500	0.4783211	0.22162847	2.7042843	21	—	—
301908 1998 XM_{14}	16.7	X	52.91128	243.55243	153.00469	2.46886	0.2387826	0.22222764	2.6994213	21	—	—
301909 1998 XK_{15}	17.1	X	90.12166	166.42337	234.26911	6.84741	0.2988709	0.22732253	2.6589351	21	1 26.0	20.1
301910 1998 YM_8	15.3	X	347.12500	94.46953	333.20425	29.00504	0.4047083	0.21590370	2.7518790	21	—	—
301911 1998 YW_{19}	17.5	X	56.15507	317.23786	95.78124	5.52311	0.3338616	0.22224645	2.6992689	21	—	—
301912 1999 BU_{31}	18.1	X	229.65984	83.77785	34.58913	0.93883	0.0679295	0.29107626	2.2549220	21	9 29.2	20.8
301913 1999 FC_{73}	16.4	X	38.15574	307.88508	26.83267	3.78952	0.1837526	0.19920416	2.9036021	21	11 23.8	20.1
301914 1999 JT_{110}	17.0	X	354.58631	186.53320	88.63127	7.70994	0.2213461	0.27037145	2.3686205	21	6 4.4	18.6
301915 1999 LY_2	16.9	X	293.67306	151.84678	117.57494	7.40202	0.1107214	0.26180508	2.4200110	21	2 28.1	20.1
301916 1999 RL_{185}	17.9	X	232.27934	56.54703	285.36087	1.26504	0.2306992	0.25464578	2.4651597	21	3 17.9	21.9
301917 1999 SK_2	16.4	X	1.00913	234.39455	355.40333	4.65425	0.4533784	0.26301538	2.4125813	21	2 15.8	17.6
301918 1999 TJ_{64}	15.9	X	276.66947	355.70021	1.79428	8.43065	0.1011658	0.17078208	3.2174207	21	6 7.9	20.6
301919 1999 TX_{194}	16.6	X	148.54456	167.55082	237.36108	4.30436	0.1658402	0.24655129	2.5188242	21	3 20.8	20.4
301920 1999 VJ_{100}	17.8	X	161.24961	358.79281	39.35086	2.61205	0.2632777	0.24750942	2.5123196	21	4 2.6	22.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
301921 1999 VA_{137}	16.4	X	293.51472	2.80427	229.58062	5.22236	0.0475496	0.24190200	2.5509958	21	1 19.5	19.9
301922 1999 VH_{159}	15.9	X	163.72640	36.03543	352.19485	3.62529	0.0971764	0.24723721	2.5141633	21	3 11.3	19.4
301923 1999 VV_{187}	15.2	X	254.44072	42.94029	60.43990	21.84601	0.1950332	0.17264451	3.1942399	21	9 23.9	20.3
301924 1999 VM_{209}	17.1	X	95.90303	19.85547	68.67366	8.07895	0.1473121	0.24324846	2.5415734	21	3 19.1	20.3
301925 1999 XZ_{69}	15.7	X	340.04406	111.20434	81.58323	8.97106	0.4396257	0.23400142	2.6080969	21	—	—
301926 1999 XZ_{84}	16.1	X	97.83189	169.12260	268.64540	12.45451	0.2406508	0.23978103	2.5660169	21	3 10.6	19.7
301927 1999 XH_{104}	15.8	X	139.50684	325.24191	75.31777	13.63711	0.2588590	0.24373751	2.5381725	21	3 25.3	20.1
301928 1999 XF_{161}	16.5	X	132.69777	64.74635	9.35569	5.86498	0.2289593	0.24375130	2.5380768	21	4 18.1	20.3
301929 1999 XP_{189}	16.1	X	133.61123	103.89981	281.15249	13.33098	0.1296812	0.23984705	2.5655459	21	2 2.3	19.8
301930 1999 XC_{253}	16.7	X	42.98409	45.21079	80.43998	6.07313	0.0679748	0.24063319	2.5599552	21	2 3.3	19.7
301931 1999 YP_{10}	16.3	X	229.75953	195.13519	129.86497	3.15108	0.1374936	0.24658855	2.5185705	21	2 28.5	20.1
301932 2000 AL_{1}	15.3	X	12.55064	230.88784	283.63746	28.40101	0.2814727	0.23549439	2.5970621	21	1 1.8	17.4
301933 2000 AU_{32}	17.1	X	144.26169	331.02800	61.79967	2.23122	0.0154814	0.23752275	2.5822556	21	2 15.1	20.4
301934 2000 AE_{48}	15.6	X	178.74058	244.90700	138.50582	2.53699	0.2542124	0.24451645	2.5327792	21	3 29.4	19.9
301935 2000 AG_{66}	15.9	X	30.40891	81.99635	90.85463	5.64226	0.2447912	0.23663343	2.5887214	21	3 27.8	17.8
301936 2000 AH_{97}	15.2	X	30.16249	103.93612	326.20188	27.58764	0.3896866	0.22914970	2.6447818	21	—	—
301937 2000 AN_{123}	15.8	X	123.15156	113.20040	277.37554	8.13187	0.2141670	0.23695561	2.5863744	21	2 9.9	19.5
301938 2000 AD_{133}	15.9	X	71.52750	110.71483	15.20572	5.22057	0.2125743	0.23894044	2.5720315	21	4 8.3	18.5
301939 2000 AE_{135}	16.4	X	105.67911	23.54982	49.86182	5.39758	0.2118026	0.24026853	2.5625448	21	3 20.4	19.7
301940 2000 AA_{214}	16.1	X	77.25217	331.30152	109.50687	15.13208	0.1322034	0.23587347	2.5942789	21	2 3.9	19.1
301941 2000 AS_{221}	17.0	X	173.23004	258.55081	92.04880	4.51651	0.1611619	0.23753568	2.5821620	21	2 9.7	21.0
301942 2000 AP_{234}	16.6	X	133.00402	152.09237	270.33983	5.25631	0.1588480	0.24339239	2.5405713	21	3 25.2	20.4
301943 2000 AK_{235}	17.0	X	101.66113	193.99748	250.59721	0.84005	0.1811351	0.23993682	2.5649060	21	3 22.3	20.2
301944 2000 AS_{254}	13.1	X	295.07618	356.21340	105.19443	27.08832	0.1371253	0.08268508	5.2181665	21	11 5.9	20.0
301945 2000 BC_{15}	16.1	X	64.78716	105.18537	359.21528	14.92924	0.1698050	0.23495148	2.6010613	21	2 23.6	18.9
301946 2000 BK_{15}	16.8	X	101.56879	67.81729	15.61963	5.37501	0.2148734	0.23959737	2.5673280	21	3 26.9	20.2
301947 2000 CU_{10}	16.4	X	100.00180	170.10894	288.13619	5.83355	0.2518053	0.24077391	2.5589577	21	4 15.4	20.0
301948 2000 CZ_{20}	15.7	X	251.54222	265.69596	304.91611	10.88997	0.1114232	0.22431076	2.6826827	21	—	—
301949 2000 CM_{34}	16.4	X	156.83700	91.05172	297.87793	1.63317	0.1677703	0.24239289	2.5475505	21	3 10.8	20.3
301950 2000 CE_{45}	16.2	X	54.12660	231.18230	261.43640	3.16162	0.2395863	0.23612869	2.5924091	21	3 17.5	18.3
301951 2000 CZ_{79}	17.3	X	103.12567	264.38148	157.70892	2.24678	0.1738053	0.23396706	2.6083522	21	2 22.8	20.6
301952 2000 CT_{124}	16.1	X	146.61047	60.04447	348.24746	4.28202	0.2866317	0.24168877	2.5524960	21	4 3.6	20.5
301953 2000 CL_{130}	16.5	X	14.21477	302.81004	142.88101	10.75938	0.0741533	0.22576027	2.6711875	21	—	—
301954 2000 CB_{135}	17.1	X	15.42753	185.34997	320.80111	3.51587	0.0228001	0.23264518	2.6182232	21	1 23.0	20.5
301955 2000 DW_{9}	17.1	X	91.38661	337.34677	329.83217	5.43242	0.1894192	0.30770583	2.1729292	21	—	—
301956 2000 DR_{26}	16.9	X	57.29365	136.86075	333.56597	4.82713	0.1807571	0.23442623	2.6049452	21	2 14.5	19.4
301957 2000 DK_{30}	16.1	X	264.79071	37.57172	161.83286	13.15970	0.0705086	0.22381111	2.6866739	21	—	—
301958 2000 DQ_{49}	16.4	X	87.91929	68.27643	332.23602	11.82685	0.2721821	0.23124033	2.6288168	21	1 21.7	19.3
301959 2000 DA_{68}	17.2	X	47.48571	328.45004	151.02737	4.74969	0.2450698	0.23339979	2.6125769	21	2 11.7	19.1
301960 2000 DP_{76}	17.0	X	304.22004	202.97359	320.15534	4.05367	0.1953971	0.22333479	2.6904925	21	—	—
301961 2000 DF_{116}	16.1	X	357.21778	249.00816	246.64706	5.57388	0.1559982	0.22924757	2.6440290	21	—	—
301962 2000 ET_{26}	15.5	X	74.21684	74.47227	5.80001	26.43281	0.4376679	0.23405772	2.6076786	21	3 23.0	18.1
301963 2000 EF_{34}	16.3	X	344.59212	26.29415	130.13793	4.89740	0.1831876	0.22873473	2.6479796	21	—	—
301964 2000 EJ_{37}	13.4	X	13.69736	115.73974	178.37759	10.06932	0.7060593	0.09904610	4.6264137	21	11 9.1	17.7
301965 2000 EN_{172}	16.3	X	32.04956	85.60601	58.31333	28.01770	0.3732277	0.23196104	2.6233688	21	3 10.1	18.6
301966 2000 EJ_{198}	16.9	X	301.20495	332.02209	204.50632	8.59616	0.2555452	0.22362271	2.6881827	21	—	—
301967 2000 FS_{1}	16.6	X	72.58950	189.95975	195.06087	4.63105	0.1198655	0.21962553	2.7207012	21	—	—
301968 2000 FX_{2}	14.6	X	48.89438	80.47115	19.88725	24.73604	0.4112756	0.23338365	2.6126973	21	2 26.4	16.5
301969 2000 FP_{9}	17.8	X	11.04672	250.17104	15.70040	3.15643	0.2195361	0.28627348	2.2800724	21	7 6.8	18.9
301970 2000 GE_{27}	16.0	X	342.53831	127.69660	21.87440	13.64544	0.1973036	0.22546575	2.6735132	21	—	—
301971 2000 GS_{29}	16.4	X	342.61251	308.70003	199.74378	12.40589	0.1192111	0.22460444	2.6803437	21	—	—
301972 2000 GE_{142}	16.3	X	15.68641	87.03560	72.43393	13.86693	0.2077235	0.22994976	2.6386436	21	1 31.6	19.0
301973 2000 GV_{170}	17.5	X	132.12450	272.20705	354.95079	3.54896	0.1427670	0.30266474	2.1969904	21	12 21.8	20.9
301974 2000 GU_{171}	16.6	X	357.12490	46.62784	109.99093	12.59027	0.2302539	0.22930022	2.6436243	21	—	—
301975 2000 HL	16.3	X	313.43413	85.80861	6.67120	12.59456	0.0817348	0.21566346	2.7539222	21	12 7.6	19.9
301976 2000 HX_{17}	16.6	X	96.32539	64.04527	223.43671	2.99282	0.1359752	0.20597095	2.8396538	21	11 27.7	20.9
301977 2000 HY_{39}	16.4	X	15.38537	319.00352	141.39307	2.45273	0.0298302	0.22067947	2.7120317	21	—	—
301978 2000 HE_{81}	16.2	X	69.76392	231.17417	85.62608	7.76647	0.1196963	0.20489774	2.8495609	21	12 3.2	20.2
301979 2000 JC_{2}	18.4	X	330.18105	291.47381	39.63390	4.86186	0.2494155	0.28615951	2.2806778	21	7 4.4	19.9
301980 2000 JO_{8}	16.5	X	344.00502	73.96372	225.88546	20.66798	0.2148593	0.28413972	2.2914730	21	6 16.8	18.4
301981 2000 JB_{20}	17.4	X	76.64208	298.84829	294.02549	2.57579	0.2385795	0.29060350	2.2573669	21	9 18.5	20.5
301982 2000 KT_{4}	16.5	X	2.39334	67.95277	234.81217	21.10547	0.2754026	0.28487694	2.2875180	21	8 12.6	18.5
301983 2000 KW_{40}	16.4	X	355.00875	74.93231	69.23599	2.95763	0.1875743	0.22336312	2.6902651	21	—	—
301984 2000 KC_{43}	15.5	X	83.23502	243.85991	53.22160	15.60065	0.1427663	0.20470295	2.8513683	21	11 25.0	19.7
301985 2000 KH_{66}	17.2	X	355.43531	204.66529	127.58444	7.42988	0.2266795	0.28799455	2.2709795	21	10 1.3	18.6
301986 2000 LF_{7}	17.2	X	329.15766	211.24062	138.52199	6.63508	0.2030568	0.28751555	2.2735010	21	8 12.6	18.7
301987 2000 NS	17.5	X	324.99201	34.13252	254.58783	1.77448	0.2263856	0.27709507	2.3301480	21	4 16.3	19.6
301988 2000 NN_{10}	15.5	X	313.38160	118.47159	249.35042	21.13252	0.2909691	0.28097423	2.3086516	21	7 11.2	17.9
301989 2000 OL_{61}	17.0	X	196.49088	20.46333	97.94791	4.90399	0.0633080	0.28231502	2.3013361	21	8 18.3	20.0
301990 2000 OA_{62}	17.4	X	138.89640	31.27212	159.73525	4.89149	0.0870620	0.28699478	2.2762505	21	9 17.9	20.4
301991 2000 PM_{1}	17.3	X	273.41258	277.72851	68.36436	6.52460	0.3468890	0.27255680	2.3559426	21	4 18.6	21.1
301992 2000 QH_{14}	16.9	X	359.57630	330.69591	326.70793	6.20270	0.1227931	0.28053305	2.3110714	21	7 29.7	18.8
301993 2000 QB_{41}	17.3	X	288.00335	108.69887	257.27655	1.67001	0.2196621	0.27710053	2.3301174	21	6 14.0	20.2
301994 2000 QJ_{53}	16.1	X	332.58340	186.35472	150.45262	8.46984	0.2130585	0.18565168	3.0432441	21	7 21.6	19.4
301995 2000 QW_{85}	16.8	X	304.19897	4.33867	316.50604	5.65035	0.2536643	0.27530554	2.3402347	21	4 24.3	19.9
301996 2000 QU_{86}	16.5	X	269.18372	109.08367	267.54685	4.06312	0.1859615	0.27541564	2.3396110	21	6 9.7	19.6
301997 2000 QC_{117}	17.7	X	266.89089	213.05196	130.95361	2.99804	0.2295757	0.27150544	2.3620207	21	4 20.5	21.2
301998 2000 QW_{147}	16.8	X	330.69622	91.91663	177.79038	16.70151	0.4610458	0.18065600	3.0990919	21	3 3.7	20.8
301999 2000 QC_{157}	16.4	X	268.51031	132.31213	250.55731	5.95520	0.1395053	0.27638940	2.3341125	21	6 24.3	19.5
302000 2000 QD_{163}	17.1	X	303.33509	100.01543	269.69273	5.33132	0.1742828	0.27925410	2.3181223	21	7 22.2	19.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
302001 2000 QB_{166}	15.7	X	325.10440	31.03917	304.30556	9.15650	0.1694530	0.18424043	3.0587649	21	7 11.7	19.2
302002 2000 QU_{185}	17.1	X	209.65778	346.94635	25.28436	4.01234	0.2461262	0.26706029	2.3881587	21	4 5.9	21.3
302003 2000 QV_{223}	15.6	X	7.78822	0.34598	334.56591	10.95036	0.1291927	0.18858841	3.0115683	21	9 25.4	19.2
302004 2000 QV_{226}	16.7	X	308.44612	114.74184	251.59867	8.84036	0.1536101	0.28015751	2.3131362	21	7 27.9	19.1
302005 2000 RF_{8}	17.1	X	278.53974	144.30120	179.28414	23.41914	0.2636965	0.27154934	2.3617661	21	4 1.9	20.7
302006 2000 RM_{34}	17.1	X	301.62008	3.73372	330.61561	9.62676	0.2374765	0.27441746	2.3452810	21	5 11.7	20.2
302007 2000 RA_{83}	15.4	X	9.90946	15.66066	303.46161	9.15751	0.1248553	0.18724204	3.0259876	21	9 6.9	19.1
302008 2000 RT_{84}	16.1	X	313.84549	208.60693	172.51836	12.32280	0.1950364	0.18601526	3.0392773	21	8 18.0	19.7
302009 2000 RA_{98}	14.9	X	316.51288	102.21338	257.49043	16.12905	0.2510751	0.18391822	3.0623362	21	7 13.5	18.6
302010 2000 SH_{8}	18.7	X	134.77612	86.25874	1.86369	56.37540	0.4893837	0.44934782	1.6881627	21	4 3.8	22.3
302011 2000 SN_{15}	15.9	X	315.83976	21.92868	301.54632	7.70389	0.2412912	0.18211255	3.0825452	21	5 27.1	19.7
302012 2000 SM_{16}	16.3	X	301.37784	157.77888	227.90129	4.15247	0.2204049	0.18357625	3.0661381	21	7 30.2	20.1
302013 2000 SA_{18}	16.5	X	315.32370	39.10212	259.21318	6.07585	0.1084278	0.27174120	2.3606543	21	5 5.2	19.3
302014 2000 SU_{27}	15.6	X	322.66164	57.98349	320.64141	10.27809	0.1024458	0.18611998	3.0381372	21	9 8.2	19.4
302015 2000 SS_{31}	15.9	X	336.66802	170.40940	186.93535	9.61774	0.1456622	0.18624692	3.0367566	21	9 1.7	19.5
302016 2000 SE_{42}	16.1	X	319.88828	306.61529	60.75758	6.44727	0.2675152	0.18429495	3.0581616	21	8 3.5	19.4
302017 2000 SS_{82}	17.1	X	280.15900	194.11727	149.23484	5.75350	0.2089815	0.27157797	2.3616001	21	5 7.1	20.3
302018 2000 SV_{92}	15.7	X	314.38529	160.34671	240.07665	10.17400	0.1812276	0.18722531	3.0261678	21	9 13.7	19.3
302019 2000 SR_{95}	16.0	X	290.75722	31.38842	347.45959	17.12604	0.2168260	0.18183089	3.0857278	21	7 11.7	20.5
302020 2000 SN_{96}	16.1	X	336.66274	32.21609	301.81159	9.52848	0.2027603	0.18491729	3.0512962	21	7 28.0	19.1
302021 2000 SW_{102}	17.4	X	255.00828	35.01570	357.29844	3.97371	0.2044269	0.27310883	2.3527668	21	6 12.3	20.9
302022 2000 SA_{131}	16.6	X	304.23671	106.31265	226.20270	11.67368	0.1842035	0.27528487	2.3403518	21	5 26.8	19.1
302023 2000 SD_{133}	15.5	X	262.01458	175.99434	241.56898	11.39521	0.2124447	0.18152207	3.0892265	21	7 19.5	20.3
302024 2000 SM_{134}	17.3	X	359.95472	38.62134	257.86829	7.24325	0.2838646	0.27995153	2.3142707	21	8 1.0	18.2
302025 2000 SD_{135}	15.4	X	346.72683	70.39455	258.44558	10.01255	0.1576683	0.18491414	3.0513309	21	8 8.9	19.0
302026 2000 SF_{135}	16.7	X	324.28554	47.39161	261.07519	6.66557	0.1378283	0.27446184	2.3450282	21	6 1.4	19.0
302027 2000 SR_{153}	17.2	X	253.94817	199.20516	184.77948	5.50476	0.1856408	0.27116346	2.3640062	21	6 3.2	20.7
302028 2000 SN_{164}	17.1	X	332.70260	206.96089	7.21362	19.77901	0.0582729	0.35649952	1.9698361	21	1 31.9	19.6
302029 2000 SW_{181}	17.4	X	210.42211	337.66353	11.10999	5.20800	0.2527789	0.26426881	2.4049467	21	3 10.1	21.5
302030 2000 SB_{206}	15.1	X	340.94787	313.88555	30.27112	14.43605	0.0709838	0.18239103	3.0794068	21	9 3.2	19.3
302031 2000 SK_{214}	17.8	X	281.56139	357.18789	350.42582	0.78457	0.2015046	0.27306998	2.3529900	21	5 13.2	21.0
302032 2000 SS_{240}	17.3	X	233.87400	118.69747	232.58093	18.75624	0.1003248	0.36065754	1.9546666	21	3 19.9	20.2
302033 2000 SQ_{277}	17.1	X	232.13362	345.48267	46.97706	5.94601	0.1639801	0.26946516	2.3739285	21	5 23.4	20.7
302034 2000 SA_{285}	16.5	X	270.13366	92.43586	292.70846	5.66695	0.1249740	0.27417269	2.3466766	21	7 2.6	19.5
302035 2000 SU_{285}	15.5	X	304.61312	168.27868	253.10430	9.65601	0.0906618	0.18873582	3.0100000	21	10 7.1	19.5
302036 2000 SU_{286}	15.8	X	349.07164	358.17039	353.98993	11.42032	0.1739678	0.18691504	3.0295158	21	9 19.8	19.0
302037 2000 SL_{288}	16.0	X	315.54605	130.75833	267.79257	8.77980	0.2620095	0.18668853	3.0319658	21	9 1.9	19.5
302038 2000 SM_{288}	15.2	X	266.98392	126.04554	240.13669	12.21517	0.1427641	0.17927408	3.1149975	21	6 2.5	19.8
302039 2000 SF_{291}	16.8	X	251.26365	29.15549	352.66898	7.61024	0.1802676	0.27164672	2.3612016	21	5 26.1	20.3
302040 2000 SU_{302}	15.6	X	290.98526	76.09140	280.88637	9.82726	0.1087357	0.17870155	3.1216473	21	6 25.9	19.7
302041 2000 SM_{305}	15.7	X	292.86482	18.38947	3.17796	17.32084	0.2161696	0.18085728	3.0967921	21	7 19.4	20.1
302042 2000 ST_{314}	15.6	X	348.81844	78.43272	254.37291	15.00746	0.1485636	0.18535852	3.0464521	21	8 15.3	19.4
302043 2000 SG_{333}	15.3	X	315.84293	267.49262	98.97781	10.05955	0.2698318	0.18476480	3.0529748	21	7 22.9	18.7
302044 2000 SD_{341}	17.7	X	332.91924	77.10145	229.57072	1.19729	0.2135520	0.27676407	2.3320055	21	6 3.8	19.6
302045 2000 SE_{343}	15.7	X	310.86694	347.29291	42.92456	10.71968	0.1437643	0.18299655	3.0726100	21	9 8.8	19.6
302046 2000 SA_{348}	15.6	X	327.15203	239.29381	112.66607	15.22056	0.3014654	0.18336237	3.0685219	21	7 20.1	18.5
302047 2000 SR_{350}	15.9	X	317.61619	286.22790	83.27115	13.02956	0.2605522	0.18457445	3.0550735	21	8 3.4	19.4
302048 2000 TC_{18}	17.3	X	246.97513	10.36231	12.60109	2.05343	0.1839922	0.27007686	2.3703427	21	5 24.4	20.9
302049 2000 TC_{24}	16.7	X	252.98521	105.40379	289.26261	5.86857	0.1194979	0.27306933	2.3529937	21	6 24.3	19.9
302050 2000 TX_{24}	15.2	X	319.58897	299.36436	61.14746	10.56963	0.1128911	0.18200349	3.0837765	21	8 16.3	19.2
302051 2000 TP_{27}	15.4	X	258.01100	264.47939	221.00432	9.09220	0.0529626	0.19137252	2.9822885	21	11 3.2	19.3
302052 2000 TX_{64}	17.5	X	257.59992	190.63746	185.60296	4.24437	0.1581416	0.27142011	2.3625157	21	5 30.9	20.8
302053 2000 UN_{1}	17.8	X	300.46798	67.33388	254.93489	1.12189	0.2322601	0.27222222	2.3578726	21	4 27.5	20.5
302054 2000 UU_{1}	15.4	X	322.75797	301.89406	42.11843	12.52683	0.2560006	0.18403563	3.0610337	21	7 7.1	18.9
302055 2000 UV_{2}	17.4	X	233.95169	195.55320	220.61306	5.07549	0.2178809	0.27004124	2.3705511	21	6 21.7	21.2
302056 2000 UX_{15}	17.7	X	218.06235	347.95944	30.81000	3.39740	0.1608885	0.26602873	2.3943283	21	4 22.6	21.5
302057 2000 UJ_{20}	16.8	X	209.46716	15.29519	55.95388	5.98235	0.2064571	0.26931936	2.3747852	21	6 19.6	20.7
302058 2000 UJ_{29}	17.3	X	276.92748	277.04943	44.74907	25.27571	0.1308315	0.36106225	1.9532058	21	4 13.1	19.9
302059 2000 UH_{69}	17.2	X	258.50014	91.07622	267.27067	3.07149	0.2536842	0.26938585	2.3743944	21	4 26.5	20.8
302060 2000 UV_{85}	16.5	X	192.02661	236.10085	196.54288	6.75477	0.0963008	0.26754598	2.3852675	21	6 7.8	20.0
302061 2000 UW_{111}	15.5	X	350.40992	260.99278	55.23745	15.09892	0.2842145	0.18176942	3.0864234	21	8 5.2	18.5
302062 2000 VM_{38}	17.5	X	189.47520	45.49956	47.52937	4.82166	0.2330629	0.26844132	2.3799608	21	6 30.3	21.6
302063 2000 VU_{59}	18.0	X	240.09029	30.12040	356.45319	1.14648	0.1816222	0.26949180	2.3737721	21	5 22.5	21.6
302064 2000 WS_{6}	15.1	X	264.74364	33.50012	26.62337	18.19352	0.1754769	0.17800085	3.1298343	21	8 11.0	20.0
302065 2000 WM_{26}	17.3	X	192.43790	177.89239	235.17975	4.06218	0.1869985	0.26425466	2.4050325	21	5 12.7	21.2
302066 2000 WC_{40}	16.9	X	239.99321	200.12876	200.09831	6.76424	0.2277486	0.26837818	2.3803341	21	6 6.4	20.7
302067 2000 WW_{46}	15.6	X	319.09930	126.52158	227.45465	15.64819	0.2533456	0.17986055	3.1082225	21	7 9.7	19.4
302068 2000 WO_{65}	17.3	X	147.37771	159.55358	246.46544	1.48449	0.2017578	0.25807855	2.4432511	21	3 24.4	21.1
302069 2000 WC_{69}	15.2	X	267.41438	134.57593	254.65509	15.43601	0.1049450	0.17744708	3.1363424	21	7 5.3	19.8
302070 2000 WC_{73}	15.1	X	291.70150	153.60892	245.63991	17.22853	0.0814831	0.18012218	3.1052120	21	8 16.6	19.7
302071 2000 WX_{74}	15.4	X	235.05113	1.81962	42.42765	13.72950	0.1475195	0.17329656	3.1862224	21	6 13.6	20.6
302072 2000 WK_{76}	17.2	X	247.50811	12.46455	1.75390	1.99420	0.2073067	0.26818886	2.3814541	21	5 11.2	20.9
302073 2000 WX_{81}	17.1	X	189.59273	156.27046	263.49257	4.62230	0.1474103	0.26392436	2.4070386	21	5 18.1	20.7
302074 2000 WF_{95}	14.9	X	248.55656	178.74292	256.74521	16.50145	0.1824999	0.17545293	3.1600622	21	7 28.4	20.0
302075 2000 WK_{101}	15.7	X	203.12008	259.85754	197.22316	25.01036	0.2604040	0.17334715	3.1856025	21	7 11.0	21.7
302076 2000 WL_{101}	15.1	X	265.39873	329.29612	94.96834	20.03437	0.1903217	0.17887317	3.1196502	21	8 9.6	19.8
302077 2000 WC_{106}	15.8	X	0.86421	15.70416	243.35707	9.12302	0.1341571	0.16994955	3.2279195	21	6 3.9	19.7
302078 2000 WC_{147}	14.6	X	248.54897	278.85200	154.67182	23.98303	0.4185958	0.17608314	3.1525177	21	7 9.9	20.5
302079 2000 WQ_{152}	15.1	X	271.03066	139.33978	251.14674	16.05069	0.2439208	0.17805745	3.1291709	21	6 23.4	19.9
302080 2000 WU_{155}	15.5	X	246.21168	162.19773	288.95291	9.75792	0.1587854	0.17770953	3.1332538	21	8 19.4	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
302081 2000 WC_{180}	17.3	X	230.07360	289.03911	92.74554	6.20934	0.2447237	0.26662990	2.3907279	21	5 5.5	21.4
302082 2000 WZ_{180}	17.2	X	197.88463	0.60005	31.64627	5.63240	0.2282546	0.26322559	2.4112967	21	4 21.3	21.3
302083 2000 XP_{53}	17.6	X	249.59451	290.27310	81.59801	7.43230	0.1583580	0.26614970	2.3936026	21	5 16.8	21.0
302084 2000 YT	15.0	X	208.64895	67.50039	52.50645	26.41581	0.2772988	0.17216655	3.2001490	21	8 27.2	21.1
302085 2000 YE_{13}	17.0	X	219.77476	339.51436	69.18376	5.80097	0.2227171	0.26645839	2.3917537	21	5 30.1	20.9
302086 2000 YJ_{20}	17.3	X	77.95021	358.86404	205.43337	1.93772	0.1657871	0.26340754	2.4101861	21	7 30.7	20.3
302087 2000 YQ_{31}	16.7	X	167.44168	343.43611	100.23111	3.49306	0.1721023	0.25974487	2.4327906	21	5 29.6	20.5
302088 2000 YU_{33}	15.7	X	294.07162	333.43912	134.78971	12.53073	0.2726942	0.18392948	3.0622113	21	11 3.8	19.4
302089 2000 YO_{48}	16.9	X	169.58088	187.96280	279.04758	9.24117	0.2055590	0.26313669	2.4118397	21	7 1.2	20.9
302090 2000 YG_{72}	17.0	X	173.46999	181.71967	279.40334	5.33887	0.2194646	0.26463349	2.4027367	21	6 27.2	20.9
302091 2000 YW_{122}	14.8	X	238.40539	194.64218	239.57584	25.94371	0.1442861	0.17420548	3.1751300	21	7 17.4	20.1
302092 2001 AA_{19}	15.3	X	197.17351	200.69911	271.00452	4.27785	0.1048268	0.16885507	3.2418530	21	7 31.9	20.4
302093 2001 BC_{54}	15.7	X	319.72993	259.11809	316.00887	13.65386	0.0775286	0.24469819	2.5315250	21	1 28.2	18.8
302094 2001 CW_{29}	16.7	X	156.72394	354.96351	98.26295	7.75437	0.1640752	0.25850274	2.4405776	21	5 31.9	20.5
302095 2001 DO_{12}	16.2	X	329.20747	272.59132	268.66330	6.65131	0.1235565	0.24125513	2.5555537	21	—	—
302096 2001 DR_{93}	16.2	X	11.71822	220.39206	304.48167	11.50597	0.1504323	0.24513663	2.5285055	21	1 28.3	18.6
302097 2001 EH_{3}	16.2	X	8.89523	162.21370	15.94231	15.56631	0.0917874	0.24384592	2.5374202	21	2 24.9	19.3
302098 2001 FG_{31}	16.1	X	223.64145	296.37292	202.62644	23.06311	0.4859639	0.17501698	3.1653077	21	8 30.8	22.5
302099 2001 FT_{93}	16.0	X	250.27831	183.82506	20.99850	14.20327	0.1329018	0.23089438	2.6314420	21	—	—
302100 2001 FA_{97}	16.2	X	143.11427	205.50922	32.69969	11.02706	0.4127285	0.21586945	2.7521700	21	11 15.6	21.7
302101 2001 FA_{125}	17.0	X	337.53219	185.56990	6.25679	1.64088	0.2440033	0.24016745	2.5632637	21	—	—
302102 2001 FE_{125}	16.6	X	303.69254	341.29366	191.56233	16.03046	0.1864645	0.23403090	2.6078779	21	—	—
302103 2001 FH_{153}	16.6	X	20.83362	82.71152	85.78339	4.87443	0.1444304	0.24343653	2.5402641	21	2 23.9	19.1
302104 2001 FK_{156}	16.9	X	332.38252	345.09332	186.62314	9.69666	0.1369531	0.23753665	2.5821550	21	—	—
302105 2001 FA_{164}	16.6	X	319.54448	201.08664	35.31250	4.69287	0.1362894	0.24267632	2.5455665	21	2 17.4	19.8
302106 2001 GG_{4}	17.0	X	267.84674	213.48766	14.02332	5.98645	0.0754408	0.23573208	2.5953161	21	—	—
302107 2001 HR_{56}	16.3	X	192.99754	211.42411	68.38656	8.59825	0.2667087	0.22669721	2.6638224	21	—	—
302108 2001 KN_{29}	15.8	X	210.21287	30.63814	229.10901	17.00609	0.1895025	0.22799122	2.6537335	21	—	—
302109 2001 KS_{50}	16.5	X	196.70773	165.21447	85.28877	15.19139	0.2139078	0.22387797	2.6861389	21	—	—
302110 2001 KK_{74}	15.9	X	226.40631	349.37575	247.59381	12.76628	0.1052374	0.22649620	2.6653983	21	—	—
302111 2001 MM_{3}	14.4	X	146.55780	88.56415	224.86465	29.13134	0.4069989	0.21599969	2.7510636	21	—	—
302112 2001 MK_{11}	15.7	X	87.87807	38.59753	258.56571	7.72454	0.2746341	0.21081442	2.7959915	21	12 13.2	20.2
302113 2001 MO_{18}	16.8	X	124.84766	161.75590	120.90748	10.19455	0.1948707	0.21652443	2.7466171	21	12 22.4	21.4
302114 2001 OJ_{33}	17.1	X	53.79673	272.99915	74.16877	7.04993	0.1389772	0.30795826	2.1717416	21	—	—
302115 2001 OS_{38}	17.0	X	157.09468	213.02127	62.49561	6.85202	0.1521710	0.31449548	2.1415413	21	—	—
302116 2001 OR_{52}	16.4	X	123.78446	197.46191	82.09588	9.47177	0.1992373	0.21173567	2.7878755	21	12 16.9	21.1
302117 2001 PR_{37}	16.3	X	14.53531	235.36962	99.48560	10.26029	0.3234273	0.20105998	2.8857074	21	11 13.8	19.3
302118 2001 PM_{38}	15.9	X	91.43514	269.67173	45.61405	9.50959	0.1574284	0.20956375	2.8071047	21	12 27.9	20.4
302119 2001 PF_{43}	17.8	X	354.96878	226.37072	98.57748	7.47542	0.2552753	0.29651849	2.2272460	21	9 23.1	19.0
302120 2001 QO_{13}	17.5	X	2.90809	354.82125	353.11447	3.30826	0.2169907	0.29995455	2.2102043	21	11 11.7	19.2
302121 2001 QE_{36}	17.3	X	20.15401	230.56101	140.79916	6.66486	0.2349113	0.30507122	2.1854215	21	—	—
302122 2001 QA_{113}	16.2	X	73.31977	137.46331	262.85474	7.07073	0.1968396	0.21330113	2.7742182	21	—	—
302123 2001 QM_{128}	16.0	X	32.11241	95.93482	294.67815	11.76086	0.1936362	0.20863492	2.8154299	21	—	—
302124 2001 QT_{157}	16.6	X	113.48266	356.74707	307.13238	3.24306	0.1887865	0.21149441	2.7899951	21	—	—
302125 2001 QP_{169}	16.0	X	76.51108	100.25739	241.51027	7.95916	0.1843157	0.20965578	2.8062831	21	—	—
302126 2001 QA_{177}	16.3	X	146.94973	28.67600	169.92374	11.61837	0.0499104	0.19817191	2.9136764	21	9 28.0	20.5
302127 2001 QQ_{183}	16.3	X	72.19889	294.20323	29.14124	2.25092	0.0645087	0.20359803	2.8616751	21	12 5.9	20.3
302128 2001 QG_{186}	17.2	X	129.04549	23.47240	238.51283	20.04278	0.0429283	0.40405822	1.8120635	21	12 30.6	19.3
302129 2001 QY_{193}	17.0	X	24.25317	85.69334	244.70706	6.00911	0.2599381	0.29977174	2.2111027	21	12 1.9	19.4
302130 2001 QL_{194}	17.1	X	52.77005	77.32051	251.55241	6.76360	0.2217015	0.30319221	2.1944416	21	12 28.8	20.2
302131 2001 QK_{209}	16.3	X	79.61112	55.63785	265.24270	1.28320	0.0660978	0.20847611	2.8168595	21	12 12.9	20.1
302132 2001 QD_{243}	18.5	X	358.09165	152.83915	170.07580	7.01839	0.3198022	0.29593063	2.2301946	21	10 7.3	19.0
302133 2001 RG_{35}	17.1	X	358.96929	218.18896	175.99212	7.93763	0.1745959	0.30366309	2.1921724	21	—	—
302134 2001 RB_{41}	16.3	X	344.42711	151.79997	211.79572	11.84627	0.1408854	0.19840456	2.9113982	21	9 26.2	19.6
302135 2001 RS_{56}	17.2	X	19.52677	34.35724	358.52541	6.54102	0.1026748	0.30608118	2.1806115	21	—	—
302136 2001 RG_{82}	17.2	X	42.82252	123.02187	230.10783	6.58576	0.1287156	0.30467144	2.1873329	21	—	—
302137 2001 RG_{84}	17.5	X	27.85441	25.10654	328.51066	3.70687	0.1354342	0.30271499	2.1967473	21	12 19.8	20.0
302138 2001 RZ_{99}	17.4	X	32.72638	7.94500	21.89930	2.78643	0.0959177	0.30857294	2.1688565	21	—	—
302139 2001 RT_{103}	17.5	X	293.34291	335.53086	26.20713	5.49528	0.1912937	0.29057015	2.2575396	21	6 20.1	20.0
302140 2001 RL_{133}	18.0	X	337.85146	336.19450	20.08774	5.22927	0.1900899	0.29554855	2.2321164	21	9 22.2	19.3
302141 2001 SD_{5}	18.2	X	43.22636	268.04951	8.98078	1.37522	0.3825035	0.29822223	2.2187551	21	10 31.9	21.1
302142 2001 SF_{11}	17.5	X	258.08575	97.41300	307.60616	4.56161	0.1442941	0.28999806	2.2605077	21	7 12.3	20.4
302143 2001 ST_{81}	17.7	X	99.74582	342.23502	304.38024	3.66603	0.1692511	0.30684603	2.1769864	21	12 17.1	20.9
302144 2001 SQ_{83}	16.1	X	65.99847	332.92170	342.79207	19.97947	0.1693509	0.20544788	2.8444716	21	11 29.1	20.7
302145 2001 SC_{89}	16.5	X	94.78843	124.28093	219.24077	3.21551	0.1075864	0.21140951	2.7907421	21	—	—
302146 2001 SY_{94}	17.6	X	282.42275	123.36418	333.58368	4.23616	0.1071262	0.30022830	2.2088605	21	11 10.7	19.8
302147 2001 SF_{114}	17.8	X	1.22709	33.07601	319.17957	2.92855	0.1706542	0.29766608	2.2215179	21	11 6.5	19.6
302148 2001 SV_{118}	16.2	X	58.03817	109.55925	233.94588	4.98816	0.0889960	0.20602266	2.8391787	21	12 17.8	20.2
302149 2001 SR_{157}	15.9	X	25.61479	124.81185	232.95428	5.19891	0.0786683	0.20192768	2.8774347	21	11 21.8	19.7
302150 2001 SZ_{181}	18.1	X	20.46693	170.18721	179.50549	2.14777	0.2183724	0.30208114	2.1998191	21	12 17.3	20.4
302151 2001 SQ_{201}	18.3	X	345.40385	150.02113	168.41052	2.10602	0.1878572	0.29301295	2.2449750	21	7 30.9	19.6
302152 2001 SW_{220}	16.7	X	283.35278	63.50330	4.69725	17.46393	0.1264548	0.19508072	2.9443752	21	9 17.5	20.5
302153 2001 SL_{221}	16.5	X	58.48906	330.19200	19.99087	2.06881	0.0825396	0.20544883	2.8444629	21	12 25.6	20.4
302154 2001 SQ_{229}	17.1	X	42.47530	306.13545	34.02255	5.10124	0.0108229	0.30053496	2.2073577	21	11 30.1	19.7
302155 2001 SK_{247}	17.9	X	323.09480	228.50769	170.80972	6.32628	0.2369304	0.29594117	2.2301417	21	10 30.8	18.8
302156 2001 SF_{286}	18.8	X	352.15855	19.02524	231.96409	29.50230	0.6452945	0.69000930	1.2683314	21	10 23.4	19.3
302157 2001 SF_{301}	16.8	X	87.54408	109.34673	208.25191	1.47948	0.0918370	0.20650340	2.8347706	21	12 20.2	21.0
302158 2001 SN_{317}	18.1	X	326.74260	10.88990	44.16773	2.31558	0.1339113	0.29943766	2.2127470	21	12 2.9	19.6
302159 2001 SV_{319}	17.8	X	68.64743	285.12595	39.95326	3.32614	0.0908163	0.30370111	2.1919895	21	12 27.2	20.6
302160 2001 SA_{320}	17.4	X	8.21907	172.78010	173.99393	6.47391	0.1935514	0.29817823	2.2189734	21	11 18.9	19.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
302161 2001 SH_{322}	17.7	X	292.92626	79.18611	279.86542	3.47572	0.1891480	0.28935156	2.2638735	21	6 15.9	20.0
302162 2001 SL_{333}	17.5	X	43.54808	258.79124	57.46772	4.73683	0.2500826	0.30076181	2.2062476	21	12 5.6	20.2
302163 2001 SM_{346}	16.0	X	49.76788	138.80366	207.23890	14.53271	0.1560638	0.20484453	2.8500543	21	12 19.4	20.2
302164 2001 SS_{346}	17.7	X	1.28597	64.57729	326.82097	5.42388	0.1121583	0.30214294	2.1995191	21	12 30.1	20.0
302165 2001 ST_{351}	15.7	X	30.23676	288.14180	69.49840	13.44011	0.0892808	0.20072302	2.8889360	21	11 29.3	19.5
302166 2001 TM_{3}	18.0	X	342.25100	135.83762	197.20021	3.81883	0.2094365	0.29260058	2.2470837	21	8 16.9	19.1
302167 2001 TS_{14}	17.4	X	36.00346	43.72313	291.80944	3.95047	0.1789649	0.30006767	2.2096488	21	12 12.0	19.9
302168 2001 TJ_{23}	17.6	X	356.32698	29.43468	354.59246	6.90551	0.1807827	0.30020783	2.2089609	21	12 20.4	19.7
302169 2001 TD_{45}	19.9	X	336.71465	212.45638	30.26059	25.38759	0.7774248	1.38580577	0.7967728	21	11 16.2	20.3
302170 2001 TG_{46}	17.8	X	244.93080	36.25389	9.66646	20.90175	0.0985413	0.38542518	1.8700045	21	7 6.1	20.4
302171 2001 TJ_{51}	17.5	X	231.56418	240.94341	176.79165	3.46397	0.1537356	0.28602115	2.2814132	21	6 26.8	20.7
302172 2001 TZ_{56}	17.0	X	30.24548	293.59739	44.47991	6.82489	0.2143926	0.30141610	2.2030537	21	12 13.2	19.5
302173 2001 TS_{59}	17.8	X	347.38554	308.34165	26.52681	4.41605	0.2206870	0.29370743	2.2414347	21	9 10.5	18.8
302174 2001 TD_{60}	15.6	X	322.47264	39.83924	39.59063	5.86526	0.4007966	0.19778977	2.9174281	21	11 12.3	16.7
302175 2001 TC_{88}	17.0	X	357.88599	85.14089	309.59796	3.86857	0.1794883	0.20080821	2.8881190	21	12 8.3	20.2
302176 2001 TG_{95}	16.8	X	28.09211	113.43083	215.27848	6.63977	0.1806223	0.29824302	2.2186520	21	11 22.0	19.1
302177 2001 TP_{108}	17.8	X	20.51468	40.56742	311.72704	3.86138	0.1516363	0.29978564	2.2110344	21	12 8.8	20.1
302178 2001 TD_{115}	15.4	X	337.90521	150.99027	247.87424	5.48454	0.2382640	0.19609735	2.9341900	21	11 3.6	17.9
302179 2001 TF_{122}	17.3	X	33.55531	359.42702	326.47799	7.92227	0.2336076	0.29855526	2.2171049	21	12 2.5	20.0
302180 2001 TX_{127}	17.4	X	63.69526	257.66330	60.00967	5.13909	0.1880571	0.30290919	2.1958083	21	12 22.2	20.3
302181 2001 TY_{129}	17.2	X	268.27984	279.61327	193.13530	6.10642	0.0894950	0.29859574	2.2169045	21	11 15.6	19.4
302182 2001 TF_{132}	17.9	X	325.84471	41.74648	4.41993	2.17334	0.1489014	0.29809576	2.2193826	21	11 16.1	19.4
302183 2001 TE_{163}	15.8	X	28.40063	73.16353	208.06401	11.04481	0.1006263	0.19188086	2.9770190	21	8 14.9	19.7
302184 2001 TN_{172}	17.2	X	60.06090	271.36858	42.24629	6.48204	0.1334234	0.30082042	2.2059611	21	12 5.3	20.0
302185 2001 TO_{176}	16.0	X	303.38898	269.15114	208.06733	14.35429	0.1096746	0.20280499	2.8691305	21	12 20.7	19.7
302186 2001 TA_{186}	17.4	X	202.55512	93.89491	2.69195	5.47606	0.0809522	0.28614596	2.2807498	21	7 25.1	20.5
302187 2001 TT_{234}	16.8	X	48.08277	336.58358	23.27606	2.32670	0.1103639	0.20341753	2.8633678	21	12 28.4	20.8
302188 2001 TK_{243}	16.9	X	28.91744	102.21762	267.04454	3.33996	0.0755098	0.20513918	2.8473245	21	12 10.8	20.7
302189 2001 TE_{245}	16.8	X	91.03081	306.00334	359.88736	6.06030	0.0720209	0.20537612	2.8451342	21	12 6.8	21.0
302190 2001 TR_{251}	18.5	X	350.17021	196.26547	153.31917	3.08775	0.1843467	0.29576934	2.2310054	21	10 12.4	19.9
302191 2001 TH_{252}	16.3	X	34.60551	355.21494	35.83127	12.73747	0.0726960	0.20646478	2.8351240	21	—	—
302192 2001 TU_{252}	16.6	X	315.83689	354.25698	85.37084	3.81222	0.1256669	0.20071341	2.8890282	21	11 21.6	20.0
302193 2001 UA	17.5	X	24.79313	282.50533	50.73169	7.18350	0.2677561	0.30018193	2.2090880	21	12 7.3	19.9
302194 2001 UW_{26}	16.8	X	198.74042	173.73941	6.97900	6.09224	0.0922861	0.29661434	2.2267662	21	11 10.4	19.8
302195 2001 UU_{45}	17.3	X	278.13949	27.70761	65.41935	4.08242	0.2000755	0.29422221	2.2388195	21	10 15.2	19.2
302196 2001 UC_{57}	16.4	X	35.27227	156.06143	210.21855	10.16612	0.1221779	0.20295202	2.8677446	21	12 21.3	20.4
302197 2001 UA_{64}	17.6	X	6.81638	338.84787	14.63719	2.52119	0.1454573	0.29667592	2.2264581	21	11 15.6	19.5
302198 2001 UB_{64}	15.5	X	45.48275	88.81302	265.24426	13.50950	0.1693110	0.20372256	2.8605089	21	12 25.9	19.4
302199 2001 UB_{74}	17.4	X	355.72030	331.91488	55.26904	6.38450	0.1484737	0.29890200	2.2153899	21	12 18.1	19.4
302200 2001 UG_{82}	17.5	X	327.16200	3.68170	65.52720	4.13632	0.1117174	0.29903951	2.2147107	21	12 24.6	19.3
302201 2001 UG_{87}	16.2	X	284.81960	333.06933	37.53507	2.04040	0.0678338	0.18570822	3.0426264	21	7 11.7	20.4
302202 2001 UJ_{106}	18.1	X	345.33664	254.31808	127.03453	1.62263	0.2200675	0.29699415	2.2248673	21	11 28.6	19.4
302203 2001 UQ_{111}	17.5	X	36.52722	84.21908	225.99556	4.68802	0.1915379	0.29678281	2.2259234	21	11 8.9	19.9
302204 2001 UB_{121}	17.2	X	318.63006	184.94912	220.44294	6.65798	0.0931756	0.29476448	2.2360729	21	10 30.7	19.2
302205 2001 UM_{133}	17.6	X	59.67573	102.34932	215.99067	3.94326	0.1608983	0.30125063	2.2038604	21	12 15.6	20.5
302206 2001 UJ_{138}	17.7	X	325.19095	7.67769	39.76228	7.31340	0.1326760	0.29719612	2.2238592	21	11 15.9	19.3
302207 2001 UN_{142}	18.0	X	317.16940	153.24800	187.61921	1.81341	0.2349436	0.28946874	2.2632625	21	6 22.0	19.9
302208 2001 UV_{145}	16.6	X	7.81007	332.94488	56.11017	1.17881	0.1325954	0.19958135	2.8999427	21	12 11.9	20.2
302209 2001 UP_{148}	16.0	X	340.31758	119.89354	219.97808	9.87219	0.1120415	0.18975092	2.9992554	21	8 14.6	19.7
302210 2001 UW_{148}	16.0	X	325.07516	14.86463	52.87154	12.93691	0.1090608	0.19762742	2.9190256	21	11 20.2	19.5
302211 2001 UM_{159}	16.9	X	266.97830	232.38642	227.94169	7.36322	0.0345548	0.29385303	2.2406942	21	11 1.0	19.5
302212 2001 UY_{169}	15.6	X	21.03117	91.38812	230.85174	8.68785	0.0223633	0.19308214	2.9646583	21	9 20.1	19.8
302213 2001 UT_{173}	17.2	X	260.40184	28.00409	49.20300	10.60658	0.0155920	0.29137896	2.2533600	21	9 27.7	20.0
302214 2001 UR_{176}	17.9	X	264.05930	63.56341	58.72031	4.07274	0.0890100	0.29813197	2.2192029	21	11 21.5	20.3
302215 2001 UA_{191}	16.2	X	31.32024	289.36634	13.84200	12.21785	0.1258521	0.19570254	2.9381349	21	9 27.3	19.8
302216 2001 UD_{199}	16.9	X	353.76252	46.07831	348.94414	0.62939	0.1663578	0.20026090	2.8933787	21	11 29.9	20.1
302217 2001 UA_{207}	17.3	X	11.57595	255.42789	86.74581	8.13154	0.2330588	0.29754960	2.2220976	21	11 24.7	19.2
302218 2001 UX_{217}	16.4	X	8.08074	227.29107	144.74676	2.78173	0.0948645	0.19865082	2.9089916	21	11 16.9	20.0
302219 2001 UH_{222}	15.6	X	41.12733	341.07000	231.40556	12.95960	0.1561203	0.17738059	3.1371261	21	6 13.3	19.5
302220 2001 UD_{227}	16.3	X	305.66407	20.37805	40.45838	11.80695	0.0593133	0.19736563	2.9216064	21	10 18.5	20.1
302221 2001 VO_{10}	15.5	X	271.83802	2.63183	21.00188	17.56935	0.2022886	0.18614511	3.0378638	21	6 20.7	20.3
302222 2001 VQ_{30}	16.6	X	4.62130	90.98475	252.12362	8.24492	0.2184911	0.29382185	2.2408528	21	11 5.9	18.3
302223 2001 VU_{31}	17.1	X	327.15200	164.36076	242.28626	7.97921	0.1606577	0.29480640	2.2358609	21	11 19.9	18.7
302224 2001 VG_{59}	17.0	X	343.44248	116.88799	249.45725	5.90424	0.1557621	0.29438270	2.2380057	21	10 18.3	18.7
302225 2001 VV_{81}	16.8	X	204.94205	279.25772	243.50617	21.68260	0.1972357	0.29051294	2.2578360	21	10 9.4	20.7
302226 2001 VU_{85}	17.3	X	203.97018	198.07352	297.87394	5.47049	0.1364588	0.28865310	2.2675240	21	9 10.8	20.7
302227 2001 VT_{93}	15.8	X	267.19715	333.46905	133.73376	13.64613	0.1952853	0.19212985	2.9744464	21	10 7.5	20.1
302228 2001 VO_{102}	17.7	X	290.44875	313.58194	32.25264	4.55418	0.2707873	0.28578930	2.2826469	21	5 10.4	20.6
302229 2001 VH_{113}	15.3	X	345.70965	105.56025	263.34682	8.77726	0.1475022	0.19270066	2.9685697	21	10 3.0	18.7
302230 2001 VR_{128}	16.5	X	351.25940	258.42142	135.69343	8.26348	0.1752411	0.19878774	2.9076558	21	11 26.8	19.7
302231 2001 WW_{4}	17.6	X	188.01828	247.36026	55.18077	22.82066	0.0646282	0.36371432	1.9436995	21	—	—
302232 2001 WJ_{5}	16.0	X	4.16724	56.52921	254.77749	23.91749	0.1956294	0.28803996	2.2707408	21	8 21.0	18.6
302233 2001 WS_{7}	17.4	X	320.86163	301.73723	103.77603	5.86594	0.1232541	0.29454327	2.2371923	21	11 6.6	19.3
302234 2001 WB_{24}	16.3	X	8.12369	306.30180	54.85538	2.75325	0.1136064	0.19557284	2.9394338	21	11 3.6	19.7
302235 2001 WF_{26}	17.2	X	283.09354	15.41069	70.95090	7.98368	0.2121446	0.29369535	2.2414962	21	10 14.3	19.2
302236 2001 WK_{32}	15.8	X	278.95358	152.59468	225.22948	12.18889	0.0594441	0.18454672	3.0553795	21	7 11.5	20.3
302237 2001 WF_{33}	17.1	X	247.94572	261.78709	210.71622	4.70266	0.1111954	0.29192770	2.2505354	21	10 8.5	19.7
302238 2001 WP_{42}	16.2	X	301.95714	157.37473	217.60400	9.13127	0.0994251	0.18828922	3.0147577	21	8 2.4	20.4
302239 2001 WV_{59}	16.5	X	257.78920	187.61108	235.61496	8.60959	0.1311472	0.18692642	3.0293929	21	8 1.6	21.1
302240 2001 WY_{59}	17.3	X	272.44232	242.43646	239.19522	5.58202	0.1313954	0.29665032	2.2265861	21	11 27.9	19.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
302241 2001 WV_{72}	17.5	X	267.32513	11.70167	70.88486	6.64838	0.0668415	0.29193523	2.2504967	21	10 5.7	20.0
302242 2001 WL_{98}	17.5	X	1.05337	149.35371	226.00300	4.90330	0.1722547	0.29754070	2.2221419	21	12 13.9	19.4
302243 2001 WK_{100}	17.4	X	249.07841	105.51393	44.40688	4.69172	0.1125180	0.29715993	2.2240398	21	12 3.5	19.6
302244 2001 WN_{100}	17.7	X	250.35526	72.18817	50.22845	6.03157	0.1552392	0.29287412	2.2456844	21	10 21.1	20.3
302245 2001 WC_{104}	16.4	X	199.56773	81.19049	31.24749	10.60454	0.0922276	0.17910469	3.1169613	21	8 10.7	21.3
302246 2001 XY_{3}	17.5	X	285.63917	318.31616	70.46312	23.56435	0.0347086	0.38577209	1.8688833	21	9 10.6	20.0
302247 2001 XW_{6}	17.4	X	167.86410	224.62662	274.51343	18.15962	0.0680940	0.38323652	1.8771175	21	8 6.7	19.8
302248 2001 XV_{31}	17.6	X	221.38984	348.47199	119.38743	2.66933	0.2018925	0.28324080	2.2963187	21	8 19.4	21.0
302249 2001 XP_{32}	16.4	X	316.60391	322.53317	103.90429	3.03397	0.1151816	0.19625286	2.9326397	21	11 5.7	19.8
302250 2001 XD_{33}	17.3	X	297.47133	89.52602	274.67984	19.16490	0.1018069	0.38252241	1.8794529	21	7 15.5	18.7
302251 2001 XD_{49}	17.3	X	312.84943	358.74551	68.39850	8.42004	0.1074836	0.29567196	2.2314952	21	11 23.1	19.0
302252 2001 XK_{70}	15.8	X	277.45907	327.72640	74.33483	10.62974	0.0735755	0.18742563	3.0240112	21	8 14.6	20.1
302253 2001 XU_{75}	15.7	X	353.63230	291.97207	89.34271	6.84834	0.0810784	0.19637708	2.9314029	21	11 6.9	19.4
302254 2001 XC_{84}	16.4	X	161.92377	288.14295	249.82013	21.81285	0.1978863	0.28464829	2.2887428	21	9 14.6	20.7
302255 2001 XG_{93}	16.1	X	347.87428	334.49936	62.68895	5.91956	0.0647201	0.19599088	2.9352525	21	11 16.1	19.7
302256 2001 XF_{96}	17.0	X	348.21322	108.08838	263.62086	5.02445	0.1309615	0.29333011	2.2433565	21	11 4.7	18.9
302257 2001 XT_{103}	17.0	X	21.01214	349.50768	270.46596	18.62901	0.0539009	0.37857347	1.8925002	21	7 3.9	18.3
302258 2001 XX_{108}	16.6	X	154.84725	81.54947	74.06802	9.90572	0.1606728	0.27990960	2.3145018	21	8 24.1	20.4
302259 2001 XJ_{112}	15.2	X	191.80612	161.65079	248.91422	26.08716	0.1404538	0.17477749	3.1681985	21	5 13.0	20.5
302260 2001 XS_{120}	15.7	X	348.24038	248.12926	75.51399	10.98954	0.1105680	0.18870336	3.0103451	21	8 14.2	19.5
302261 2001 XC_{122}	17.3	X	276.18896	9.09340	77.74362	8.30902	0.0682416	0.29316422	2.2442027	21	10 25.8	19.7
302262 2001 XM_{123}	15.6	X	21.35521	107.54413	225.83499	9.89525	0.1579593	0.19435289	2.9517215	21	10 23.0	19.0
302263 2001 XJ_{126}	16.9	X	154.46598	306.68259	248.34000	5.15656	0.0980448	0.28981494	2.2614598	21	10 8.6	20.2
302264 2001 XE_{131}	15.9	X	333.45432	161.91050	221.55399	3.21959	0.1455545	0.19232833	2.9723997	21	10 3.8	19.1
302265 2001 XB_{138}	18.1	X	257.72845	216.85514	238.69840	5.40512	0.1738501	0.28944012	2.2634118	21	9 15.1	20.8
302266 2001 XN_{146}	17.0	X	233.95889	246.80971	252.56603	6.04614	0.0645337	0.29197482	2.2502932	21	11 2.9	19.6
302267 2001 XZ_{149}	15.3	X	181.55699	290.58070	262.17828	11.64640	0.0831938	0.19096267	2.9865542	21	10 22.6	20.1
302268 2001 XM_{151}	17.8	X	327.18554	286.58460	86.68604	5.75364	0.2188617	0.29099716	2.2553306	21	9 24.4	19.1
302269 2001 XB_{153}	15.8	X	303.24712	152.62485	251.56049	7.76571	0.1272631	0.18856325	3.0118362	21	9 7.7	19.7
302270 2001 XZ_{162}	17.6	X	270.80833	179.83907	272.92384	2.09840	0.1150440	0.29076815	2.2565147	21	10 13.1	19.8
302271 2001 XC_{175}	16.1	X	256.03165	207.64674	272.25543	7.44690	0.2592322	0.18950630	3.0018359	21	9 22.1	20.8
302272 2001 XY_{175}	16.2	X	280.75806	349.55934	112.08310	7.30355	0.2045356	0.19114361	2.9846691	21	10 15.8	20.1
302273 2001 XD_{177}	14.9	X	316.16480	226.90217	109.21534	22.87956	0.1325414	0.17994368	3.1072652	21	7 2.2	18.9
302274 2001 XQ_{184}	17.5	X	251.54921	341.05433	102.30889	6.45815	0.1278741	0.28500554	2.2868298	21	9 1.7	20.4
302275 2001 XP_{186}	17.1	X	243.65147	154.85238	270.69666	5.75788	0.0729166	0.28230420	2.3013950	21	7 31.1	20.1
302276 2001 XM_{192}	16.5	X	199.32135	207.74277	281.55992	6.20548	0.0560255	0.28267308	2.2993923	21	9 1.9	19.7
302277 2001 XS_{198}	15.6	X	164.69164	10.84539	113.47740	9.75159	0.0328173	0.17589188	3.1548026	21	7 13.9	20.2
302278 2001 XO_{222}	17.1	X	30.52602	267.94350	65.37415	8.01253	0.1325328	0.29549079	2.2324072	21	11 23.2	19.3
302279 2001 XT_{223}	17.0	X	209.07435	112.66804	58.20951	9.21333	0.0618544	0.29431914	2.2383279	21	11 15.6	19.6
302280 2001 XC_{229}	16.6	X	139.50703	287.61254	274.54963	4.35034	0.0676270	0.28827439	2.2695095	21	9 30.0	19.8
302281 2001 XC_{233}	15.9	X	241.25516	26.07410	69.18632	10.58257	0.0540762	0.18667725	3.0320879	21	9 10.7	20.4
302282 2001 XL_{235}	17.6	X	310.70050	316.62113	69.80637	4.47133	0.1965188	0.29020495	2.2594332	21	9 5.0	19.2
302283 2001 XN_{241}	15.7	X	345.64328	108.50595	233.01659	9.17162	0.1319093	0.18964871	3.0003330	21	8 25.5	19.3
302284 2001 XG_{247}	16.4	X	273.63416	62.91322	45.39943	0.82882	0.2186466	0.19239383	2.9717250	21	10 8.9	20.3
302285 2001 XS_{252}	16.4	X	246.34224	9.41186	115.14489	8.94556	0.2484582	0.18862976	3.0111281	21	9 27.1	21.1
302286 2001 XW_{260}	15.8	X	192.55858	197.17455	260.77904	8.07164	0.0948139	0.18005973	3.1059299	21	7 10.9	20.6
302287 2001 YQ_{1}	17.1	X	185.19493	147.93172	264.20145	19.10274	0.0732679	0.37514792	1.9040033	21	4 16.1	19.7
302288 2001 YO_{19}	17.5	X	268.94098	291.03959	107.45956	5.98651	0.1926699	0.28316100	2.2967502	21	7 9.4	20.3
302289 2001 YF_{28}	16.4	X	334.73074	355.19205	56.34239	2.81035	0.0990792	0.19613696	2.9337950	21	11 15.1	19.8
302290 2001 YD_{31}	16.2	X	349.54834	35.17541	335.11781	2.40079	0.1447955	0.19307035	2.9647790	21	10 15.6	19.4
302291 2001 YS_{31}	17.5	X	339.03686	286.31743	75.95206	5.31026	0.1954268	0.29183418	2.2510162	21	10 7.9	18.8
302292 2001 YV_{31}	15.2	X	211.95042	333.16757	72.75083	13.07754	0.0895082	0.17746062	3.1361830	21	5 29.1	19.9
302293 2001 YZ_{54}	17.1	X	354.08758	82.89464	267.00276	6.14826	0.1241289	0.29117664	2.2544037	21	10 9.4	19.2
302294 2001 YH_{68}	15.2	X	276.87471	306.01918	95.37740	17.65493	0.1211183	0.18303834	3.0721424	21	8 3.9	19.6
302295 2001 YN_{71}	15.7	X	281.05647	331.51034	87.07575	10.48179	0.1029254	0.18504927	3.0498453	21	9 6.7	20.0
302296 2001 YP_{79}	16.6	X	256.75093	92.39399	22.83682	2.04055	0.1970686	0.18861934	3.0112390	21	9 29.5	20.9
302297 2001 YJ_{80}	16.9	X	295.93252	112.77058	283.38111	4.92090	0.1235208	0.28595583	2.2817606	21	8 27.3	19.2
302298 2001 YM_{81}	17.4	X	251.16289	161.65902	286.14561	5.11967	0.1281965	0.28552470	2.2840569	21	9 2.1	20.4
302299 2001 YV_{83}	15.5	X	94.85640	98.74299	99.15967	14.42961	0.1560166	0.17409376	3.1764882	21	8 10.3	20.3
302300 2001 YK_{88}	17.6	X	202.83655	42.58356	89.17183	4.40249	0.1885684	0.28312072	2.2969680	21	9 4.6	21.1
302301 2001 YN_{94}	16.0	X	135.30580	241.52615	286.80504	6.15428	0.1229771	0.17623706	3.1506819	21	8 9.2	20.9
302302 2001 YH_{100}	15.7	X	306.44514	287.80098	103.19959	12.26657	0.1287106	0.18727386	3.0256448	21	9 3.8	19.6
302303 2001 YF_{109}	15.6	X	216.30215	48.04187	81.93752	19.13671	0.1108581	0.18571032	3.0426035	21	9 24.0	20.6
302304 2001 YS_{111}	17.1	X	225.97136	85.63629	59.88999	6.17376	0.2147943	0.28754847	2.2733275	21	10 14.1	20.2
302305 2001 YN_{121}	17.1	X	321.74966	87.94709	310.74011	5.44120	0.1388115	0.29268168	2.2466686	21	10 21.3	19.1
302306 2001 YE_{129}	17.6	X	279.67697	35.61586	49.05854	5.75499	0.1545496	0.29035047	2.2586782	21	10 12.5	19.9
302307 2001 YO_{132}	15.6	X	307.52547	106.45574	295.30219	10.65896	0.2641050	0.19047603	2.9916388	21	8 22.6	19.1
302308 2001 YU_{149}	15.3	X	162.54881	198.68394	306.97848	14.54286	0.1440078	0.17868079	3.1218892	21	8 8.7	20.3
302309 2001 YT_{158}	18.0	X	287.90109	6.24543	22.46046	5.59897	0.1882772	0.28500065	2.2868560	21	7 25.5	20.5
302310 2001 YZ_{160}	15.8	X	264.83840	325.15781	49.96454	11.15324	0.1846451	0.18247356	3.0784782	21	6 4.6	20.6
302311 2002 AA	19.4	X	7.75526	64.65489	302.18523	11.27667	0.3022024	0.80164167	1.1476669	21	—	—
302312 2002 AX_{5}	16.6	X	209.79312	293.51544	129.61688	27.50094	0.1212826	0.37471076	1.9054839	21	6 16.7	19.6
302313 2002 AK_{9}	16.6	X	106.62817	80.88820	98.29990	6.23901	0.1367606	0.27511633	2.3413075	21	7 29.8	19.7
302314 2002 AE_{32}	15.8	X	235.49599	131.90656	322.27869	7.99525	0.2677741	0.18078978	3.0975629	21	8 5.9	20.8
302315 2002 AN_{45}	16.1	X	273.99864	292.87440	131.17447	8.80305	0.1855220	0.18442664	3.0567056	21	8 18.5	20.3
302316 2002 AF_{47}	15.5	X	215.16372	157.91591	290.20418	8.06307	0.0319984	0.17793140	3.1306485	21	7 27.5	19.9
302317 2002 AS_{47}	15.6	X	201.33557	351.54058	128.63304	6.46378	0.0886847	0.17960729	3.1111437	21	8 18.6	20.3
302318 2002 AE_{48}	17.6	X	167.83998	8.53443	137.84095	5.12924	0.1334848	0.27960944	2.3161579	21	8 20.4	21.0
302319 2002 AM_{54}	15.7	X	166.78771	28.70275	121.82816	11.00999	0.0645008	0.17923361	3.1154665	21	8 20.6	20.4
302320 2002 AR_{58}	16.8	X	164.76965	1.94314	131.52119	5.82327	0.1117230	0.27682333	2.3316727	21	7 29.9	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
302321 2002 AO_{60}	15.5	X	145.35213	11.72571	131.91194	16.25304	0.2081703	0.17246871	3.1964101	21	7 25.3	20.8
302322 2002 AE_{67}	15.9	X	237.51251	336.05989	100.40965	9.07750	0.1250560	0.18081478	3.0972774	21	7 31.0	20.6
302323 2002 AW_{72}	15.8	X	228.39533	358.54465	91.37312	10.72819	0.0595292	0.18141597	3.0904310	21	8 15.7	20.4
302324 2002 AQ_{75}	15.7	X	307.73740	320.90084	98.23457	10.96398	0.0522459	0.18881084	3.0092026	21	10 21.9	19.9
302325 2002 AX_{75}	17.1	X	159.19792	240.19801	298.37102	5.62216	0.0984395	0.28360648	2.2943444	21	9 20.3	20.5
302326 2002 AB_{76}	18.0	X	215.74060	15.82628	102.56388	5.97956	0.1932506	0.28378172	2.2933998	21	8 30.4	21.5
302327 2002 AS_{76}	15.5	X	208.45565	163.54511	312.81337	7.81235	0.0641421	0.18117454	3.0931758	21	8 21.4	20.1
302328 2002 AA_{79}	15.8	X	278.37658	357.05996	93.14114	11.28720	0.0912663	0.18904592	3.0067074	21	10 16.6	20.0
302329 2002 AD_{88}	15.8	X	145.94058	57.29146	110.17359	6.38550	0.0867366	0.17832966	3.1259858	21	8 19.8	20.6
302330 2002 AM_{89}	16.9	X	136.71979	315.71646	213.29484	3.33290	0.0969360	0.27843286	2.3226783	21	8 14.0	20.1
302331 2002 AF_{95}	16.1	X	207.74081	352.07800	97.79080	6.91723	0.1561068	0.17810043	3.1286674	21	7 14.5	21.2
302332 2002 AX_{100}	17.4	X	255.41700	82.75958	354.06824	3.45712	0.1595436	0.28415228	2.2914055	21	8 21.6	20.3
302333 2002 AE_{101}	17.4	X	200.30871	223.73242	294.38720	3.44460	0.1167242	0.28640837	2.2793565	21	10 8.8	20.6
302334 2002 AT_{104}	17.5	X	255.63558	310.51355	110.94194	6.29008	0.1450074	0.28298378	2.2977090	21	8 1.8	20.5
302335 2002 AW_{104}	17.7	X	292.42813	91.30409	306.19666	4.61405	0.1542174	0.28537025	2.2848810	21	8 19.3	19.9
302336 2002 AX_{110}	15.8	X	244.56967	25.34702	92.28476	5.20558	0.1702232	0.18562189	3.0435698	21	9 24.5	20.3
302337 2002 AV_{117}	15.0	X	168.47567	33.32364	130.18096	18.59730	0.1480995	0.17823673	3.1270722	21	9 9.4	20.2
302338 2002 AU_{119}	16.0	X	249.73032	128.55635	321.94836	9.26866	0.1445933	0.18198653	3.0839682	21	8 26.7	20.5
302339 2002 AB_{130}	17.0	X	197.36528	42.53549	344.12607	20.75070	0.0828683	0.37185907	1.9152132	21	3 24.5	19.5
302340 2002 AG_{135}	15.6	X	245.64708	293.20423	115.98961	10.97674	0.0920269	0.17951730	3.1121834	21	7 8.5	20.1
302341 2002 AT_{138}	15.9	X	98.16979	53.04589	122.62210	5.96353	0.0981833	0.17237124	3.1976151	21	7 7.1	20.4
302342 2002 AY_{138}	15.5	X	119.12678	281.64234	268.74685	7.86399	0.0367289	0.17875602	3.1210132	21	8 9.7	20.1
302343 2002 AL_{142}	18.1	X	211.20787	245.63677	256.65415	1.49335	0.1496471	0.28580863	2.2825440	21	9 27.6	21.3
302344 2002 AG_{148}	15.3	X	257.53585	298.90320	88.17965	18.65226	0.2542741	0.17937826	3.1137914	21	6 6.9	20.2
302345 2002 AC_{158}	17.0	X	84.14608	267.91622	275.35354	1.57076	0.1529466	0.27076744	2.3663106	21	7 7.8	19.8
302346 2002 AJ_{172}	17.6	X	165.98299	153.23006	347.33717	1.93095	0.1477884	0.27828016	2.3235279	21	8 10.8	21.1
302347 2002 AV_{173}	16.2	X	217.88116	189.17254	308.32563	1.07682	0.1647913	0.18400305	3.0613950	21	9 18.9	21.0
302348 2002 AS_{174}	17.4	X	297.92923	62.44981	341.33236	1.56409	0.2117920	0.28698401	2.2763074	21	8 30.7	19.3
302349 2002 AT_{174}	15.3	X	190.84410	13.05272	119.03277	10.65511	0.0272725	0.17898206	3.1183848	21	8 26.3	19.8
302350 2002 AW_{181}	17.7	X	244.95617	97.25357	307.20560	1.66892	0.2285555	0.28312196	2.2969613	21	6 15.8	21.0
302351 2002 AT_{203}	15.9	X	147.53294	169.90831	340.36091	4.57058	0.1083627	0.17112383	3.2131356	21	7 31.6	20.9
302352 2002 BM_{2}	16.2	X	151.46746	276.31150	208.05914	2.97715	0.0420295	0.17433562	3.1735497	21	6 28.6	20.8
302353 2002 BH_{3}	16.8	X	265.23990	19.09941	73.71118	11.26045	0.1299431	0.28747281	2.2737264	21	10 9.3	19.5
302354 2002 BZ_{3}	15.9	X	303.87361	286.63606	97.35188	23.95678	0.2221828	0.28552848	2.2840368	21	8 12.3	18.3
302355 2002 BB_{13}	15.8	X	199.03791	59.63246	62.50439	10.76451	0.1663886	0.17778636	3.1323510	21	8 18.5	21.1
302356 2002 BP_{18}	17.1	X	120.33701	222.72444	315.89590	6.98158	0.0580051	0.27628658	2.3346916	21	8 5.1	19.9
302357 2002 BE_{26}	16.7	X	203.03397	93.04580	52.96986	23.34863	0.2187515	0.28345220	2.2951769	21	10 2.8	20.8
302358 2002 BY_{26}	15.2	X	264.95011	298.54262	104.38126	19.24917	0.1336154	0.18037427	3.1023181	21	7 17.9	19.6
302359 2002 BR_{29}	16.6	X	35.50386	129.34703	73.52723	8.92119	0.1814930	0.26359553	2.4090401	21	5 17.5	18.4
302360 2002 BO_{31}	15.5	X	165.21263	111.57776	28.30041	9.69554	0.2394355	0.17230374	3.1984501	21	8 10.4	21.2
302361 2002 BQ_{31}	15.9	X	352.33480	325.23099	331.33298	6.06398	0.0373600	0.17105402	3.2140098	21	7 13.0	20.3
302362 2002 BE_{32}	15.6	X	229.48251	69.17493	57.78256	18.31147	0.2095073	0.18166726	3.0875804	21	9 23.8	20.8
302363 2002 CC	15.5	X	161.05872	132.39596	49.55883	28.00984	0.4452550	0.17973578	3.1096609	21	10 7.1	22.0
302364 2002 CX_{1}	15.9	X	257.94357	339.01644	103.91562	13.24768	0.1649264	0.18293197	3.0733331	21	8 29.1	20.5
302365 2002 CD_{9}	16.0	X	251.43221	266.60176	134.61585	9.73510	0.0893046	0.17503222	3.1651238	21	7 5.3	20.6
302366 2002 CJ_{10}	15.6	X	277.92661	250.84762	124.56324	22.51428	0.4065405	0.28093288	2.3088781	21	5 27.9	19.7
302367 2002 CV_{12}	16.2	X	78.93920	72.66583	94.15229	8.02710	0.1790108	0.26743212	2.3859445	21	6 11.2	19.0
302368 2002 CM_{19}	16.3	X	204.68300	140.00747	332.65680	11.30365	0.2367802	0.17796029	3.1303098	21	8 6.3	21.6
302369 2002 CA_{21}	15.3	X	241.50280	107.33471	343.98881	15.75430	0.1959813	0.17974058	3.1096054	21	8 17.5	20.2
302370 2002 CJ_{21}	17.4	X	182.63709	7.15298	144.76679	6.21358	0.1504683	0.28127676	2.3069959	21	9 12.3	20.9
302371 2002 CQ_{21}	15.9	X	231.89024	302.18046	132.90160	9.58007	0.1417776	0.17803982	3.1293774	21	7 20.3	20.8
302372 2002 CF_{22}	15.8	X	209.39825	334.07384	143.83770	10.55922	0.1320121	0.17790907	3.1309106	21	8 20.8	20.7
302373 2002 CP_{28}	15.8	X	259.97329	0.21592	100.69558	7.68549	0.1737665	0.18564422	3.0433256	21	9 21.9	20.3
302374 2002 CE_{41}	15.7	X	209.79598	218.58722	262.98593	10.44560	0.1740781	0.17875171	3.1210633	21	8 18.2	20.9
302375 2002 CF_{41}	17.1	X	28.23830	282.69423	300.99480	19.16842	0.0576466	0.37011381	1.9212293	21	5 7.0	19.2
302376 2002 CG_{43}	15.8	X	21.81648	105.50877	116.40889	9.46511	0.1806070	0.26392794	2.4070169	21	5 18.9	17.8
302377 2002 CS_{43}	17.1	X	306.34802	320.54584	328.69143	20.21081	0.1003257	0.36858406	1.9265414	21	3 18.0	19.3
302378 2002 CY_{45}	15.4	X	173.42627	298.40103	230.52508	12.94487	0.1604699	0.18005549	3.1059787	21	9 12.0	20.8
302379 2002 CT_{50}	15.8	X	176.87997	338.17851	146.12764	13.34111	0.0648698	0.17438370	3.1729663	21	7 27.5	20.6
302380 2002 CZ_{56}	15.3	X	207.11561	288.39393	180.05700	23.22476	0.4343003	0.17681889	3.1437665	21	7 22.6	21.7
302381 2002 CL_{58}	17.4	X	265.13254	234.66091	157.27918	23.17579	0.0809649	0.37672145	1.8986977	21	7 13.2	19.8
302382 2002 CD_{64}	15.3	X	179.32796	48.14965	77.58230	11.35852	0.0546831	0.17465216	3.1697140	21	8 4.4	20.1
302383 2002 CG_{64}	15.6	X	226.69757	125.86647	15.58576	10.50922	0.1931637	0.18456930	3.0551303	21	9 30.9	20.5
302384 2002 CO_{64}	15.4	X	177.67721	33.66739	97.99685	11.57874	0.1673484	0.17466369	3.1695745	21	8 8.6	20.7
302385 2002 CA_{65}	15.4	X	179.15224	68.35130	60.94776	8.76106	0.1662295	0.17546585	3.1599071	21	8 8.0	20.7
302386 2002 CU_{70}	15.8	X	123.49341	229.22610	329.57268	6.31311	0.0530689	0.17751470	3.1355460	21	8 29.4	20.4
302387 2002 CK_{75}	17.5	X	104.53061	65.56574	98.60243	2.21110	0.1172964	0.27120183	2.3637832	21	7 2.5	20.6
302388 2002 CL_{75}	16.9	X	76.27876	66.33295	127.66715	7.40475	0.0529319	0.27145383	2.3623200	21	6 25.3	19.7
302389 2002 CR_{77}	15.8	X	200.52197	322.31067	154.26996	2.44819	0.0605104	0.17657437	3.1466681	21	8 13.8	20.6
302390 2002 CZ_{79}	17.0	X	125.48974	172.96889	337.77994	6.45732	0.0518038	0.27241728	2.3567469	21	7 2.9	20.1
302391 2002 CR_{80}	17.5	X	175.43928	17.69045	138.20935	6.10523	0.1581559	0.27956831	2.3163851	21	9 10.3	21.1
302392 2002 CA_{81}	17.2	X	221.93398	295.74258	138.79816	4.85202	0.1178871	0.27684122	2.3315723	21	7 12.2	20.5
302393 2002 CF_{88}	16.6	X	39.24845	233.44008	347.17889	5.37300	0.0816602	0.26941859	2.3742021	21	6 8.6	19.2
302394 2002 CF_{89}	15.9	X	260.33341	108.24722	328.08447	9.74670	0.1714806	0.18059938	3.0997396	21	8 18.8	20.4
302395 2002 CS_{91}	17.2	X	92.62948	135.21109	29.05614	2.96226	0.1416958	0.26864976	2.3787296	21	6 20.4	20.2
302396 2002 CN_{93}	16.2	X	159.47943	166.29800	0.72685	3.54727	0.1787626	0.17651670	3.1473534	21	9 3.1	21.3
302397 2002 CC_{97}	17.2	X	243.80334	88.79932	24.67653	3.19535	0.1510884	0.28438191	2.2901718	21	9 28.3	20.0
302398 2002 CC_{101}	16.8	X	41.87926	91.98585	130.76588	5.18158	0.0575223	0.26849635	2.3796356	21	6 14.8	19.6
302399 2002 CK_{103}	16.9	X	183.78364	159.35547	340.54476	23.83524	0.2057783	0.27813483	2.3243372	21	8 27.9	20.6
302400 2002 CL_{104}	16.5	X	321.08218	91.82922	147.35572	9.11109	0.2088333	0.25652911	2.4530794	21	2 6.7	19.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
302401 2002 CG_{105}	16.6	X	66.28214	170.51753	350.99122	5.21746	0.1035060	0.26347636	2.4097664	21	4 28.6	19.2
302402 2002 CL_{113}	15.3	X	136.60121	214.45688	346.55166	9.71689	0.0814175	0.18098953	3.0952834	21	9 17.6	20.0
302403 2002 CD_{123}	17.5	X	231.07281	325.34341	157.11509	6.92108	0.1659631	0.28469646	2.2884847	21	9 23.5	20.5
302404 2002 CS_{123}	15.8	X	161.19055	217.12050	301.10802	3.89622	0.0663092	0.17653643	3.1471190	21	8 21.5	20.6
302405 2002 CD_{133}	17.3	X	169.78473	191.84774	328.58148	1.93038	0.1072025	0.27833143	2.3232425	21	9 9.7	20.7
302406 2002 CR_{153}	17.9	X	306.44776	276.11336	323.21735	1.69295	0.1354508	0.25927054	2.4357568	21	1 30.4	21.1
302407 2002 CX_{155}	15.1	X	296.80778	259.27927	118.75045	17.01292	0.1135631	0.17907007	3.1173631	21	7 31.2	19.2
302408 2002 CM_{156}	17.9	X	196.94436	356.98566	133.99335	3.49741	0.1852327	0.28138036	2.3064296	21	8 27.4	21.4
302409 2002 CS_{156}	16.9	X	168.19752	350.92605	113.53071	6.18487	0.0045512	0.27448273	2.3449092	21	6 20.3	19.7
302410 2002 CG_{162}	16.9	X	69.53465	156.19430	46.70636	3.28144	0.1650349	0.27056970	2.3674634	21	7 18.1	19.6
302411 2002 CL_{177}	15.7	X	130.95622	220.94445	323.26534	9.39702	0.0717317	0.17645427	3.1480958	21	8 21.3	20.4
302412 2002 CS_{182}	16.6	X	32.65124	104.12150	123.23542	7.34865	0.0615376	0.27050933	2.3678157	21	6 7.4	19.2
302413 2002 CW_{196}	17.6	X	18.32065	212.01526	12.50714	2.61655	0.1787313	0.26553768	2.3972792	21	5 9.7	19.3
302414 2002 CJ_{197}	16.4	X	160.46211	74.69965	72.63846	2.83390	0.1419471	0.17433377	3.1735721	21	8 10.9	21.5
302415 2002 CF_{206}	16.5	X	258.66003	268.15355	344.66265	5.74300	0.1007589	0.25287708	2.4766411	21	—	—
302416 2002 CG_{212}	17.8	X	111.16007	78.56291	132.31565	4.37561	0.0869221	0.27786138	2.3258619	21	9 12.2	21.0
302417 2002 CA_{215}	16.2	X	137.67544	88.57734	75.85910	1.75125	0.1597945	0.17178170	3.2049269	21	8 10.9	21.3
302418 2002 CH_{217}	16.8	X	210.23489	97.35871	356.06447	7.60876	0.0620331	0.27556568	2.3387616	21	8 1.2	20.0
302419 2002 CZ_{221}	16.3	X	246.56616	121.95641	313.94021	4.32040	0.1146796	0.17951680	3.1121892	21	8 9.5	20.9
302420 2002 CV_{228}	17.4	X	294.03349	284.47390	86.24603	6.50861	0.1614869	0.27733076	2.3288277	21	7 11.0	19.9
302421 2002 CU_{230}	16.1	X	191.95559	272.39412	215.87525	8.05001	0.2196619	0.17529056	3.1620133	21	8 10.7	21.7
302422 2002 CU_{248}	15.8	X	200.16059	349.72848	173.72427	9.46353	0.2112957	0.18280550	3.0747504	21	10 2.2	21.0
302423 2002 CD_{249}	15.8	X	315.34588	72.16289	161.23214	10.56392	0.0089534	0.15726848	3.3991860	21	3 10.7	20.5
302424 2002 CH_{256}	15.9	X	231.29720	7.96808	98.34192	6.13154	0.1249154	0.18089553	3.0963555	21	8 31.9	20.6
302425 2002 CP_{282}	16.2	X	148.42801	59.81943	140.97475	3.44319	0.0842074	0.18233741	3.0800104	21	10 2.1	21.0
302426 2002 CP_{293}	17.3	X	65.14217	41.41029	152.25566	4.92365	0.0436030	0.26915838	2.3757320	21	6 6.9	20.1
302427 2002 CB_{296}	16.3	X	191.64918	150.24397	1.50112	0.76567	0.1204141	0.17946640	3.1127718	21	9 14.1	21.0
302428 2002 CL_{297}	15.6	X	152.61342	29.82146	133.29781	13.59102	0.1260985	0.17679732	3.1440222	21	8 22.4	20.6
302429 2002 CU_{297}	17.3	X	191.33505	196.97506	307.00572	3.67641	0.0721486	0.28231261	2.3013492	21	9 12.8	20.5
302430 2002 CL_{303}	15.9	X	106.72475	147.45413	13.46347	4.68279	0.0658861	0.16941963	3.2346470	21	6 24.7	20.7
302431 2002 CW_{305}	17.0	X	46.36371	203.57671	8.90626	7.67848	0.1831990	0.26760566	2.3849129	21	6 25.0	19.4
302432 2002 CR_{317}	16.0	X	271.45052	51.20583	13.92174	4.50279	0.1155261	0.18077357	3.0977481	21	8 27.6	20.2
302433 2002 DZ_{9}	15.6	X	160.72800	99.02637	73.65508	17.21750	0.1906657	0.17821936	3.1272755	21	9 19.8	21.1
302434 2002 DX_{18}	17.2	X	188.64628	303.28856	142.98747	7.62582	0.1333105	0.27257100	2.3558607	21	6 21.9	20.9
302435 2002 DD_{19}	17.3	X	237.43104	116.83647	294.01813	5.67981	0.1163453	0.27679185	2.3318495	21	6 28.2	20.4
302436 2002 EZ_{8}	17.5	X	227.37507	40.31837	351.72537	18.79029	0.1058584	0.37080888	1.9188276	21	5 7.2	20.3
302437 2002 EV_{18}	16.9	X	39.08493	250.43874	332.92624	4.43888	0.1622554	0.26685506	2.3893829	21	6 24.4	19.2
302438 2002 EF_{24}	16.4	X	153.14652	336.82984	153.57311	0.39463	0.0913535	0.16961814	3.2321228	21	7 11.0	21.3
302439 2002 EF_{29}	15.4	X	195.24698	321.83086	172.21719	17.39173	0.1586740	0.17566123	3.1575635	21	8 23.6	20.7
302440 2002 EQ_{40}	16.5	X	86.52646	213.21921	1.07833	6.71584	0.0824401	0.27141468	2.3625472	21	8 16.0	19.4
302441 2002 EB_{41}	17.0	X	81.36117	261.13215	285.72821	2.44915	0.1359991	0.26908253	2.3761784	21	7 6.4	19.7
302442 2002 ES_{41}	17.0	X	155.75688	153.93762	324.01314	5.93342	0.0756005	0.27188973	2.3597945	21	6 27.2	20.2
302443 2002 EM_{55}	16.1	X	277.80997	268.90327	158.92349	15.36089	0.3100662	0.18420261	3.0591835	21	8 7.8	20.6
302444 2002 EF_{64}	17.7	X	136.17222	320.25089	190.56237	3.10740	0.1361937	0.27193321	2.3595429	21	7 22.7	21.2
302445 2002 EC_{65}	17.3	X	53.97743	359.26152	174.87534	6.06316	0.0804512	0.26302091	2.4125475	21	4 27.6	19.9
302446 2002 EF_{67}	17.1	X	110.29175	285.56550	264.92672	1.40651	0.1516642	0.27203786	2.3589378	21	8 18.7	20.4
302447 2002 EH_{71}	16.8	X	141.28584	259.96664	288.45177	2.00207	0.1427030	0.27590097	2.3368665	21	9 16.6	20.3
302448 2002 EF_{83}	17.4	X	112.71737	315.79895	233.67394	0.88758	0.1265131	0.27219700	2.3580182	21	8 17.6	20.6
302449 2002 EB_{91}	15.5	X	165.05091	342.46494	140.77581	5.62343	0.0885600	0.16993788	3.2280673	21	7 14.2	20.5
302450 2002 EH_{91}	17.2	X	132.05948	166.73204	18.50024	3.02169	0.1629500	0.27464523	2.3439842	21	9 6.1	20.7
302451 2002 EA_{95}	17.6	X	184.84084	109.68454	30.94583	2.99846	0.1496631	0.27808258	2.3246284	21	8 30.6	21.1
302452 2002 EU_{95}	15.8	X	234.37420	84.59900	350.95089	15.05559	0.2439184	0.17678312	3.1441905	21	7 18.8	21.2
302453 2002 ET_{99}	16.7	X	33.45537	28.66028	186.33831	9.53518	0.2119791	0.26520689	2.3992721	21	6 5.9	18.7
302454 2002 EY_{100}	17.5	X	103.73903	105.26865	81.32839	6.59766	0.1829891	0.27203085	2.3589783	21	8 12.5	20.9
302455 2002 EM_{101}	15.6	X	239.56827	275.83533	178.10759	21.60687	0.2054666	0.17919989	3.1158573	21	8 11.6	20.8
302456 2002 ER_{111}	16.8	X	169.15400	56.30617	86.75594	7.47265	0.2121330	0.27507475	2.3415435	21	8 19.2	20.7
302457 2002 EB_{112}	15.9	X	191.22987	87.51880	2.56696	8.95467	0.0265143	0.16945457	3.2342024	21	7 3.3	20.7
302458 2002 EE_{114}	17.2	X	129.84041	92.24866	15.62547	3.64028	0.0889894	0.26580430	2.3956758	21	5 12.4	20.4
302459 2002 ES_{117}	17.1	X	218.06121	123.72408	325.24070	6.43472	0.0762716	0.27706063	2.3303412	21	8 1.8	20.2
302460 2002 EM_{121}	17.0	X	164.46920	171.24619	358.12130	3.04434	0.1623364	0.27639059	2.3341059	21	9 15.8	20.5
302461 2002 EA_{123}	16.6	X	233.47087	231.71717	261.48418	3.34795	0.2439836	0.18380575	3.0635854	21	9 19.8	21.6
302462 2002 EL_{125}	16.8	X	198.22558	267.60003	145.77143	6.98340	0.1294528	0.26840221	2.3801920	21	5 20.8	20.5
302463 2002 EB_{128}	15.4	X	181.02268	302.97548	147.83726	11.64372	0.0408611	0.16971814	3.2308531	21	6 21.7	20.3
302464 2002 ET_{130}	15.6	X	90.83383	167.61830	23.78217	4.57869	0.0586596	0.16823239	3.2498474	21	7 13.5	20.3
302465 2002 EM_{131}	17.9	X	177.37700	21.11456	144.98886	3.27699	0.1501197	0.27987733	2.3146797	21	9 25.4	21.3
302466 2002 ES_{136}	18.1	X	116.56908	78.35395	86.44883	2.15733	0.1181870	0.27081762	2.3660184	21	7 18.8	21.2
302467 2002 EB_{143}	15.9	X	189.01154	304.74483	156.21660	5.53473	0.1266703	0.17109006	3.2135584	21	7 10.7	21.1
302468 2002 EL_{145}	16.9	X	61.13249	181.72356	359.81438	4.96658	0.1447487	0.26392839	2.4070142	21	5 27.3	19.4
302469 2002 EG_{148}	17.5	X	53.69775	77.43659	154.66592	5.76994	0.1544035	0.26884425	2.3775823	21	8 1.9	20.1
302470 2002 ED_{155}	17.1	X	0.81417	11.70369	208.68962	2.77976	0.1246680	0.25980228	2.4324322	21	3 29.3	19.3
302471 2002 FC_{7}	15.0	X	122.35735	141.75081	16.25001	26.54784	0.0954240	0.16896498	3.2404469	21	7 20.5	20.4
302472 2002 FC_{12}	16.9	X	36.52691	47.11574	163.89277	4.82543	0.0475569	0.26557002	2.3970846	21	5 19.6	19.6
302473 2002 FN_{15}	15.3	X	183.78609	47.47182	78.01528	10.77761	0.2110909	0.17321437	3.1872302	21	8 6.4	20.8
302474 2002 FY_{18}	15.7	X	257.18407	84.98034	351.23673	9.15528	0.0965435	0.17837557	3.1254494	21	8 26.6	20.1
302475 2002 FN_{22}	15.0	X	131.33485	121.76046	32.74762	19.05176	0.0806004	0.17059627	3.2197565	21	7 21.2	20.2
302476 2002 FH_{24}	15.4	X	142.40731	126.96222	66.04187	17.64917	0.1664363	0.17842716	3.1248469	21	9 28.2	20.8
302477 2002 FT_{31}	16.7	X	355.73974	120.32048	108.75111	3.23232	0.1246688	0.26053826	2.4278492	21	4 4.3	19.2
302478 2002 FS_{36}	17.0	X	183.42519	130.32568	10.04207	7.51431	0.1079193	0.27761874	2.3272169	21	8 31.5	20.4
302479 2002 GG_{15}	17.4	X	287.81626	304.27849	15.40216	21.75211	0.0288407	0.36667292	1.9332299	21	4 23.5	19.5
302480 2002 GS_{23}	17.0	X	97.94871	181.85969	15.43688	7.31149	0.1091408	0.26948897	2.3737887	21	8 11.8	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
302481 2002 GD_{24}	17.1	X	79.60348	201.39032	6.79872	4.93032	0.2392406	0.26748221	2.3856467	21	8 20.9	20.3
302482 2002 GK_{25}	16.2	X	178.40447	352.05058	137.33916	1.55256	0.1674603	0.16848031	3.2466585	21	8 4.4	21.4
302483 2002 GL_{41}	16.6	X	38.91550	6.39617	193.54755	6.98291	0.0666047	0.26282125	2.4137691	21	5 8.8	19.2
302484 2002 GG_{42}	17.5	X	6.88867	169.88401	33.11799	2.30176	0.1132748	0.25775170	2.4453162	21	3 17.5	19.8
302485 2002 GO_{51}	17.0	X	133.53916	93.64727	17.75094	10.68058	0.1932587	0.26586416	2.3953162	21	5 31.4	20.8
302486 2002 GP_{61}	17.1	X	184.00830	298.60109	173.60927	4.30963	0.1217617	0.27102213	2.3648280	21	7 20.9	20.7
302487 2002 GD_{63}	16.7	X	146.83918	39.08174	100.26594	2.32789	0.1244847	0.26919622	2.3755094	21	7 18.9	20.1
302488 2002 GL_{64}	17.0	X	164.20166	64.88095	72.78160	3.68804	0.1015590	0.27096613	2.3651537	21	8 4.9	20.3
302489 2002 GC_{74}	17.1	X	32.85234	152.69509	74.25277	3.18013	0.1368924	0.26336244	2.4104613	21	6 13.7	19.4
302490 2002 GW_{77}	16.8	X	124.79102	324.57951	223.98733	4.32077	0.0851401	0.27283882	2.3543188	21	8 24.9	20.0
302491 2002 GS_{82}	16.5	X	224.43186	124.25447	166.80548	11.64171	0.2901839	0.24488900	2.5302098	21	1 11.4	21.3
302492 2002 GX_{88}	16.7	X	119.17446	42.12503	97.37145	6.13934	0.1495286	0.26505175	2.4002083	21	6 20.5	20.0
302493 2002 GB_{90}	17.6	X	40.87947	357.34860	203.46030	1.85786	0.1599477	0.26177464	2.4201986	21	5 22.6	19.7
302494 2002 GV_{94}	16.5	X	37.46121	168.20392	12.37609	4.35431	0.0645838	0.25897653	2.4376000	21	4 6.6	18.9
302495 2002 GS_{95}	17.1	X	4.49232	240.67077	355.31009	4.06148	0.1564520	0.26039282	2.4287532	21	4 26.5	19.1
302496 2002 GK_{99}	17.4	X	105.37777	189.59349	8.72430	1.56337	0.1232729	0.27165388	2.3611602	21	8 21.7	20.6
302497 2002 GR_{113}	17.0	X	52.79648	70.48894	128.63531	6.25960	0.1029765	0.26451928	2.4034283	21	6 4.4	19.7
302498 2002 GZ_{116}	16.7	X	157.08001	52.19707	81.89316	8.07328	0.0670088	0.26957719	2.3732708	21	7 21.4	20.0
302499 2002 GG_{118}	17.0	X	358.78179	153.68359	64.41568	7.80159	0.1468689	0.25867328	2.4395048	21	3 25.3	19.5
302500 2002 GY_{123}	16.0	X	203.45537	301.05078	177.45854	17.57150	0.2283078	0.17651346	3.1473920	21	8 8.2	21.6
302501 2002 GN_{126}	17.2	X	4.47454	356.15974	207.20339	2.21415	0.1762636	0.25787323	2.4445479	21	3 5.2	19.5
302502 2002 GQ_{128}	17.1	X	138.29126	278.53221	236.44863	3.07384	0.1055802	0.27092067	2.3654183	21	7 28.3	20.4
302503 2002 GR_{129}	16.5	X	47.50147	123.65306	11.66206	7.13609	0.0616997	0.25472615	2.4646411	21	2 21.3	19.3
302504 2002 GQ_{150}	17.2	X	140.86448	137.82098	21.65225	7.49993	0.0564859	0.27116177	2.3640160	21	8 7.3	20.4
302505 2002 GO_{163}	17.0	X	183.63288	306.16019	182.27932	9.71375	0.1525719	0.27482293	2.3429737	21	8 9.3	20.8
302506 2002 GZ_{164}	17.1	X	50.10566	48.33302	178.35451	2.24928	0.1619690	0.26513877	2.3996831	21	7 19.9	19.6
302507 2002 GS_{169}	16.6	X	317.62674	250.75654	20.83666	8.86127	0.0725574	0.25823864	2.4422413	21	4 9.0	19.4
302508 2002 GU_{176}	15.6	X	189.77084	76.35763	33.31820	25.64500	0.2472801	0.17023598	3.2242978	21	7 27.4	21.7
302509 2002 GK_{184}	15.9	X	193.94593	302.71737	170.79530	5.36110	0.1201075	0.17159282	3.2072783	21	7 30.5	21.0
302510 2002 GP_{189}	15.7	X	165.06554	317.96788	167.47272	15.80509	0.1101641	0.16916588	3.2378809	21	7 16.4	21.0
302511 2002 GJ_{190}	16.6	X	107.30484	292.43276	220.97631	11.41308	0.0605492	0.26439711	2.4041685	21	6 12.4	19.8
302512 2002 HJ_{2}	16.8	X	100.08922	105.53552	56.01118	8.32496	0.0609826	0.26631603	2.3926060	21	6 13.4	19.9
302513 2002 HY_{5}	17.0	X	130.14550	7.33583	148.91929	1.70704	0.1092030	0.26979449	2.3719963	21	7 21.7	20.3
302514 2002 JP_{38}	16.6	X	117.96382	156.55099	28.16369	8.18704	0.1343284	0.26961186	2.3730673	21	8 22.2	20.1
302515 2002 JK_{66}	16.6	X	134.97180	85.47352	66.08698	4.47526	0.1796571	0.26790731	2.3831223	21	7 27.5	20.2
302516 2002 JV_{69}	16.4	X	65.19213	140.05073	82.02224	8.51301	0.1705115	0.26786133	2.3833951	21	8 11.7	19.3
302517 2002 JJ_{71}	17.6	X	125.80890	264.17314	216.24858	21.58482	0.0193152	0.36446266	1.9410379	21	5 8.5	19.3
302518 2002 JE_{78}	16.8	X	83.76731	241.57162	314.34097	1.44443	0.1180200	0.26720664	2.3872865	21	7 20.0	19.7
302519 2002 JL_{79}	16.6	X	135.63271	285.31860	228.94205	3.60164	0.1205489	0.26951097	2.3736595	21	7 25.3	20.0
302520 2002 JA_{130}	16.4	X	72.43814	316.30952	206.35143	12.46168	0.1324567	0.26053542	2.4278669	21	5 18.9	19.2
302521 2002 JT_{134}	17.0	X	47.98985	168.91473	37.43276	5.99049	0.0784607	0.26220276	2.4175634	21	6 1.7	19.7
302522 2002 JC_{147}	16.3	X	147.35319	145.57590	168.60998	13.75013	0.1872230	0.23553973	2.5967289	21	—	—
302523 2002 KH_{3}	17.5	X	113.24495	35.14628	259.06578	10.24230	0.5843259	0.22483221	2.6785332	21	—	—
302524 2002 KA_{10}	16.9	X	334.58852	202.68140	55.20109	6.27922	0.1823205	0.25722770	2.4486360	21	4 1.8	19.5
302525 2002 KR_{16}	16.5	X	138.24228	146.44478	202.47894	18.92348	0.3142057	0.23467412	2.6031104	21	1 16.2	21.0
302526 2002 LQ_{3}	16.9	X	202.76606	157.78679	98.68250	9.68015	0.3373227	0.23617839	2.5920455	21	—	—
302527 2002 LR_{22}	16.7	X	241.42815	185.82140	69.56866	11.50456	0.1831451	0.24168285	2.5525377	21	—	—
302528 2002 LH_{27}	16.3	X	277.72607	5.31598	238.52907	10.88147	0.1021005	0.24571865	2.5245112	21	1 7.8	20.1
302529 2002 LU_{39}	16.8	X	175.15973	162.51705	153.80492	8.56265	0.3077196	0.23733539	2.5836145	21	1 9.3	21.4
302530 2002 LC_{58}	15.1	X	70.11274	112.26787	228.30772	29.15559	0.4241742	0.21674654	2.7447403	21	—	—
302531 2002 LL_{58}	15.7	X	86.93726	295.95335	43.12897	5.31697	0.4076501	0.22266434	2.6958906	21	—	—
302532 2002 LL_{64}	17.5	X	110.78562	10.64479	329.15217	4.02663	0.2619302	0.22778624	2.6553252	21	—	—
302533 2002 LN_{64}	16.7	X	207.61858	31.22460	242.65372	6.47878	0.1894639	0.23593421	2.5938336	21	—	—
302534 2002 LQ_{64}	17.0	X	180.90058	327.92504	18.98922	0.97958	0.1629797	0.23942812	2.5685377	21	2 11.3	21.1
302535 2002 MM_{5}	16.5	X	236.93082	19.36903	267.66202	4.07018	0.1462415	0.24091206	2.5579793	21	1 19.3	20.5
302536 2002 NM	16.5	X	107.97437	242.58693	107.04058	13.68704	0.2871309	0.22773779	2.6557019	21	—	—
302537 2002 NZ	16.2	X	254.82753	45.06913	227.56113	12.88376	0.1393765	0.24063918	2.5599127	21	1 16.2	20.4
302538 2002 NE_{8}	16.4	X	149.30424	78.54245	269.91139	7.44852	0.1573830	0.23406820	2.6076008	21	1 12.7	20.3
302539 2002 NG_{38}	16.1	X	224.47788	28.63321	256.18676	6.48777	0.1748591	0.23726523	2.5841238	21	1 5.9	20.5
302540 2002 NA_{40}	17.3	X	133.93881	30.78680	287.96883	2.63931	0.2531148	0.22841209	2.6504726	21	—	—
302541 2002 NL_{44}	16.5	X	122.30372	98.62972	254.49705	6.12179	0.2247818	0.23020243	2.6367125	21	—	—
302542 Tilmann	17.6	X	163.28085	277.30329	53.88493	2.96213	0.2197506	0.23472648	2.6027233	21	1 12.6	21.8
302543 2002 NW_{63}	16.9	X	293.32608	295.02815	304.37006	6.98483	0.1328564	0.24360032	2.5391253	21	1 18.6	20.4
302544 2002 NS_{67}	16.1	X	241.46318	70.48216	192.04687	13.18004	0.1135227	0.23758276	2.5818208	21	—	—
302545 2002 NE_{68}	16.7	X	220.97559	109.31685	165.41334	9.54032	0.1910133	0.23702554	2.5858656	21	—	—
302546 2002 NH_{72}	16.8	X	191.68711	146.67760	185.42842	5.38121	0.1095741	0.23957708	2.5674729	21	1 30.2	20.7
302547 2002 NX_{74}	16.6	X	139.82132	203.75534	156.98598	3.77733	0.1372597	0.23388051	2.6089957	21	1 15.4	20.4
302548 2002 NA_{77}	16.7	X	181.61109	293.10835	36.38871	3.22617	0.1497974	0.23618256	2.5920150	21	1 22.2	20.8
302549 2002 OO_{8}	16.3	X	190.35410	172.05542	142.53177	10.73120	0.1645785	0.23603417	2.5931011	21	1 11.9	20.5
302550 2002 OC_{12}	15.8	X	143.99043	168.76102	231.28067	13.20867	0.1624000	0.23941075	2.5686619	21	3 7.0	19.9
302551 2002 OC_{23}	15.7	X	181.21532	72.31678	261.83550	13.76014	0.1407363	0.23714901	2.5849680	21	1 22.2	19.9
302552 2002 OA_{28}	16.3	X	115.65603	241.07697	175.40816	4.77208	0.1813650	0.23712687	2.5851289	21	3 3.8	19.8
302553 2002 ON_{28}	17.1	X	164.25017	113.53682	180.63986	15.28592	0.1896946	0.22922301	2.6442179	21	—	—
302554 2002 OV_{30}	16.3	X	86.11233	177.61200	229.64533	9.07140	0.1544546	0.23029269	2.6360235	21	1 5.2	19.5
302555 2002 OA_{33}	17.2	X	166.00164	95.24082	170.15844	6.96607	0.1807124	0.22849453	2.6498351	21	—	—
302556 2002 OW_{33}	16.4	X	232.68547	138.08855	137.80375	13.77539	0.0836897	0.23753403	2.5821739	21	1 4.4	20.4
302557 2002 OD_{34}	16.6	X	65.67059	1.21486	342.66076	12.42323	0.1573584	0.22110940	2.7085150	21	—	—
302558 2002 OZ_{34}	16.4	X	119.48252	235.88573	123.96401	10.50742	0.1517733	0.22966065	2.6408576	21	—	—
302559 2002 OQ_{36}	16.5	X	224.53605	357.01969	258.33614	4.40095	0.0513658	0.23379245	2.6096508	21	—	—
302560 2002 PG	16.9	X	240.51384	1.15883	287.28676	3.26080	0.1643705	0.24105787	2.5569477	21	1 23.9	21.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
302561 2002 PB_{3}	16.1	X	132.56910	34.05526	280.47987	14.35309	0.1953901	0.22675038	2.6634059	21	—	—
302562 2002 PS_{15}	16.9	X	203.68634	133.49721	151.26174	6.24313	0.2035894	0.23582615	2.5946259	21	—	—
302563 2002 PV_{16}	16.6	X	247.47918	356.75525	288.48745	2.92609	0.1881285	0.24199479	2.5503436	21	1 25.1	20.9
302564 2002 PH_{27}	16.4	X	120.69570	249.50357	146.75676	14.50755	0.0929916	0.23585674	2.5944015	21	1 30.2	19.8
302565 2002 PK_{30}	16.9	X	127.06754	69.18393	300.00098	1.06509	0.2299778	0.23139466	2.6276478	21	1 24.4	20.7
302566 2002 PN_{35}	16.8	X	102.03818	259.75962	141.31616	13.50076	0.2741199	0.23081527	2.6320433	21	2 10.2	20.1
302567 2002 PS_{52}	16.8	X	175.01779	318.06053	31.60625	2.75769	0.1364418	0.23733576	2.5836118	21	2 8.4	20.7
302568 2002 PW_{54}	16.2	X	106.80475	62.40007	309.66319	11.64594	0.2688860	0.22794150	2.6541194	21	1 11.4	19.5
302569 2002 PR_{71}	16.4	X	111.81735	120.17407	249.09778	9.58550	0.2149827	0.23006015	2.6377995	21	1 3.3	19.8
302570 2002 PD_{73}	16.5	X	213.00783	81.37096	217.13327	9.74333	0.0632082	0.23700707	2.5859999	21	1 9.5	20.4
302571 2002 PR_{73}	16.4	X	94.40590	135.29786	264.11399	11.84137	0.2507623	0.22962850	2.6411041	21	1 21.7	19.6
302572 2002 PB_{79}	16.4	X	104.75270	253.39243	119.22586	14.87166	0.1873227	0.22873932	2.6479442	21	—	—
302573 2002 PU_{83}	16.2	X	147.71303	186.45949	140.15545	14.46993	0.1864694	0.22966900	2.6407937	21	—	—
302574 2002 PV_{90}	15.5	X	142.27467	83.77889	284.55791	12.53125	0.1208729	0.23222151	2.6214068	21	1 24.4	19.3
302575 2002 PU_{103}	16.7	X	127.43368	108.69378	209.96095	7.54703	0.1998428	0.22681171	2.6629258	21	—	—
302576 2002 PE_{106}	16.2	X	94.42723	129.97782	281.37008	10.63669	0.1870075	0.23172492	2.6251506	21	1 27.6	19.3
302577 2002 PX_{108}	16.4	X	248.20598	220.56890	35.84827	5.17265	0.2446282	0.23915397	2.5705003	21	—	—
302578 2002 PC_{110}	16.5	X	78.30273	69.03810	330.45063	13.06685	0.4393346	0.22488511	2.6781131	21	2 4.0	19.1
302579 2002 PR_{115}	16.0	X	114.12233	123.43639	262.05119	10.36626	0.1985308	0.23106601	2.6301388	21	1 22.7	19.6
302580 2002 PW_{132}	16.3	X	180.94895	21.97513	294.30565	7.57223	0.1195334	0.23490732	2.6013873	21	1 3.2	20.2
302581 2002 PK_{155}	16.9	X	171.85145	307.20888	20.79150	1.41093	0.1625767	0.23447386	2.6045924	21	1 11.8	20.9
302582 2002 PT_{172}	17.0	X	61.29826	10.81196	95.23384	1.76023	0.0333727	0.23805371	2.5784146	21	2 1.8	20.2
302583 2002 PF_{180}	16.9	X	108.16307	241.68704	139.25469	4.27870	0.1364104	0.23115523	2.6294620	21	1 2.1	20.2
302584 2002 PS_{180}	16.7	X	281.78244	336.95571	232.45741	6.45767	0.1129440	0.23411200	2.6072756	21	—	—
302585 2002 PD_{189}	17.1	X	107.04718	208.59484	140.08090	14.57150	0.1729076	0.22803508	2.6533932	21	—	—
302586 2002 PY_{195}	16.9	X	331.33058	23.27594	164.82077	7.95170	0.0476410	0.23767627	2.5811436	21	1 12.5	20.4
302587 2002 PB_{196}	17.0	X	77.09916	242.55576	162.99962	9.04232	0.1261600	0.22973647	2.6402765	21	—	—
302588 2002 PK_{197}	17.1	X	108.85907	148.64330	244.58386	2.74234	0.1951722	0.23312181	2.6146533	21	1 26.7	20.3
302589 2002 PT_{198}	16.7	X	168.58936	39.02562	257.31681	14.97170	0.1843589	0.22945198	2.6424585	21	—	—
302590 2002 QX_{1}	16.6	X	167.74874	123.63734	170.20896	14.10928	0.0719657	0.22889481	2.6467449	21	—	—
302591 2002 QE_{7}	19.6	X	205.00489	88.44570	244.46948	12.11109	0.1811689	0.55310153	1.4698267	21	—	—
302592 2002 QZ_{13}	17.0	X	150.43602	139.82760	190.86500	12.15026	0.1434867	0.23082977	2.6319331	21	—	—
302593 2002 QF_{14}	16.5	X	92.17246	81.20740	296.60979	13.48350	0.1608007	0.22678694	2.6631197	21	—	—
302594 2002 QL_{25}	16.4	X	181.28863	105.80814	160.99214	13.62248	0.2743029	0.22932659	2.6434217	21	—	—
302595 2002 QC_{53}	17.0	X	121.00549	191.35782	144.85503	5.22276	0.1270899	0.22675867	2.6633410	21	—	—
302596 2002 QL_{59}	16.6	X	99.58892	212.48799	201.55280	4.42736	0.2191447	0.23203126	2.6228395	21	2 13.4	19.9
302597 2002 QP_{60}	17.2	X	100.12394	115.22265	229.46857	7.27941	0.2194893	0.22461836	2.6802330	21	—	—
302598 2002 QL_{65}	17.3	X	145.91635	283.09941	80.96318	0.14609	0.1146473	0.23410636	2.6073174	21	1 24.0	21.0
302599 2002 QM_{65}	16.9	X	105.94029	33.74207	345.78981	2.14122	0.1127412	0.23018872	2.6368172	21	—	—
302600 2002 QH_{73}	16.8	X	110.55271	250.13662	163.17993	4.66344	0.1636310	0.23427246	2.6060849	21	2 19.3	20.1
302601 2002 QF_{78}	16.6	X	124.20121	87.73237	290.03390	10.02976	0.2049708	0.23277548	2.6172461	21	1 27.0	20.2
302602 2002 QG_{82}	17.2	X	94.41616	221.68325	162.80639	12.40469	0.1970786	0.22833810	2.6510451	21	—	—
302603 2002 QV_{83}	16.6	X	67.60579	100.27988	337.73713	3.69591	0.0434275	0.23325867	2.6136305	21	1 6.9	19.8
302604 2002 QB_{84}	17.5	X	181.31540	126.04210	162.32702	11.68626	0.1846066	0.23102906	2.6304193	21	—	—
302605 2002 QH_{93}	16.5	X	186.80423	298.49365	355.10982	11.40083	0.1731822	0.23175442	2.6249278	21	—	—
302606 2002 QU_{95}	16.9	X	157.44109	307.03690	34.51827	4.20707	0.1102826	0.23306520	2.6150767	21	1 9.3	20.6
302607 2002 QD_{105}	16.8	X	100.31024	286.72922	146.83026	4.54147	0.1392638	0.23596538	2.5936052	21	2 28.9	19.9
302608 2002 QP_{105}	17.1	X	212.25715	207.09044	46.52128	4.10600	0.0402618	0.22861561	2.6488994	21	—	—
302609 2002 QC_{106}	16.4	X	67.66138	296.03816	65.47442	7.09915	0.0689583	0.22221665	2.6995103	21	—	—
302610 2002 QX_{106}	17.5	X	63.42585	45.87346	0.75120	3.98183	0.3046554	0.22445146	2.6815615	21	—	—
302611 2002 QB_{107}	16.6	X	94.85192	138.55265	271.80422	3.65266	0.1993312	0.23174643	2.6249882	21	1 30.2	19.6
302612 2002 QP_{116}	17.1	X	57.14826	7.87438	15.12168	2.95602	0.1132102	0.22321033	2.6914926	21	—	—
302613 2002 QG_{122}	16.6	X	83.17531	189.32026	247.89425	4.97394	0.2305395	0.23235029	2.6204381	21	2 20.4	19.6
302614 2002 QE_{128}	17.1	X	194.05685	266.80473	4.03022	4.01017	0.1697226	0.23064050	2.6333727	21	—	—
302615 2002 QQ_{129}	17.4	X	281.94300	260.76643	344.63663	3.70891	0.1747619	0.24044204	2.5613118	21	1 10.6	21.3
302616 2002 QS_{134}	16.6	X	116.16531	307.69476	81.58794	3.63994	0.1069410	0.23199703	2.6230975	21	1 19.7	19.9
302617 2002 QD_{135}	17.0	X	120.64197	18.79644	13.22282	9.57393	0.1269385	0.23287079	2.6165319	21	2 3.8	20.6
302618 2002 QT_{135}	16.8	X	99.88265	240.41248	119.76016	6.81438	0.0731860	0.22628200	2.6670800	21	—	—
302619 2002 QU_{136}	16.4	X	141.41658	82.38851	183.09890	12.21843	0.1721857	0.22175889	2.7032239	21	12 16.3	21.1
302620 2002 QR_{137}	16.7	X	250.64244	151.89299	136.20772	2.41003	0.0916985	0.23905700	2.5711953	21	2 6.6	20.3
302621 2002 QT_{137}	17.4	X	131.00883	163.19149	188.63712	1.31438	0.1008727	0.23148838	2.6269386	21	—	—
302622 2002 QF_{138}	16.9	X	171.46066	211.85953	138.58734	1.89712	0.0956392	0.23717841	2.5847544	21	2 1.5	20.7
302623 2002 QE_{140}	17.3	X	114.49621	172.45804	168.19999	6.10538	0.2245278	0.22616099	2.6680313	21	—	—
302624 2002 QN_{143}	16.7	X	40.74117	161.92864	337.52135	2.69600	0.0135332	0.23952622	2.5678364	21	2 16.1	19.8
302625 2002 RD_{1}	16.9	X	99.02817	184.37546	162.52630	8.85127	0.1783930	0.22466588	2.6798550	21	—	—
302626 2002 RU_{4}	16.6	X	50.66603	121.10431	269.02132	10.32129	0.0808655	0.22234531	2.6984688	21	—	—
302627 2002 RT_{26}	16.4	X	115.74337	165.97547	226.44498	8.13496	0.1370528	0.23118086	2.6292677	21	1 24.6	20.1
302628 2002 RB_{31}	16.1	X	100.03346	44.53790	327.17752	11.95207	0.1283325	0.22643743	2.6658594	21	—	—
302629 2002 RL_{36}	16.5	X	176.49295	345.38335	313.64456	8.33270	0.1995879	0.23065347	2.6332740	21	—	—
302630 2002 RB_{42}	16.3	X	132.64527	217.78198	146.04266	10.08863	0.1128089	0.23105760	2.6302026	21	1 8.1	19.9
302631 2002 RZ_{80}	16.4	X	77.60441	227.51490	160.02878	7.78000	0.1998120	0.22411667	2.6842313	21	—	—
302632 2002 RX_{92}	16.5	X	103.06617	13.79555	359.16746	4.62449	0.1947218	0.22539463	2.6740755	21	—	—
302633 2002 RQ_{93}	16.5	X	111.50737	14.75738	326.43660	11.22410	0.1936965	0.22433150	2.6825174	21	—	—
302634 2002 RN_{127}	16.5	X	171.93074	85.38900	226.55428	10.59463	0.2014192	0.23182919	2.6243634	21	—	—
302635 2002 RW_{127}	16.2	X	240.21802	43.49814	231.07514	10.95386	0.1550379	0.23717791	2.5847580	21	1 6.5	20.5
302636 2002 RD_{134}	16.4	X	84.12798	299.36973	65.68193	9.69111	0.1206658	0.22292306	2.6938044	21	—	—
302637 2002 RS_{134}	16.1	X	75.45760	259.62343	137.11174	15.20429	0.1252757	0.22485968	2.6783150	21	—	—
302638 2002 RA_{142}	16.3	X	83.20781	141.86471	295.19053	4.60405	0.0716166	0.23297692	2.6157372	21	1 29.8	19.4
302639 2002 RD_{142}	16.5	X	171.70195	69.32885	266.75801	3.63716	0.1218332	0.23278571	2.6171694	21	1 17.6	20.3
302640 2002 RX_{157}	16.6	X	84.46696	192.66582	187.28941	3.73151	0.1514693	0.22464154	2.6800486	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
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302641 2002 RU_{158}	17.3	X	86.99007	83.00643	335.35187	3.86753	0.1743033	0.22908054	2.6453141	21	1 27.1	20.2
302642 2002 RS_{183}	15.8	X	193.28574	76.96621	237.62244	12.35905	0.1895756	0.23305085	2.6151840	21	1 13.6	20.3
302643 2002 RL_{191}	16.7	X	72.08158	87.01989	290.13597	11.10247	0.2541539	0.22198606	2.7013794	21	—	—
302644 2002 RJ_{192}	17.8	X	58.90181	287.46374	116.21287	2.45694	0.2717776	0.22291906	2.6938366	21	—	—
302645 2002 RK_{211}	16.2	X	92.42144	40.97693	10.44931	15.13892	0.1491865	0.22962777	2.6411097	21	1 27.6	19.7
302646 2002 RY_{216}	15.6	X	52.80241	99.25718	338.68055	21.76803	0.0404146	0.23059224	2.6337401	21	—	—
302647 2002 RY_{227}	15.6	X	58.06028	71.89248	10.29053	22.12066	0.0529876	0.23165295	2.6256943	21	1 1.6	19.4
302648 2002 RG_{236}	16.6	X	57.00454	112.44754	16.63322	4.63069	0.1083551	0.23730177	2.5838585	21	3 5.8	19.5
302649 2002 RX_{237}	16.7	X	123.33829	251.71113	149.24541	4.94022	0.0830834	0.23493897	2.6011537	21	2 7.8	20.0
302650 2002 RX_{239}	17.1	X	220.14903	141.04980	134.84236	3.73396	0.0841309	0.23365612	2.6106658	21	—	—
302651 2002 RP_{240}	17.2	X	113.94821	109.17393	265.40557	2.88856	0.1115408	0.22967211	2.6407698	21	—	—
302652 Hauke	15.9	X	226.72382	128.48704	108.40288	14.01994	0.0783784	0.22585937	2.6704061	21	—	—
302653 2002 RE_{244}	16.8	X	96.49952	104.28604	277.12635	3.57242	0.0962322	0.22894089	2.6463897	21	—	—
302654 2002 RF_{246}	16.7	X	158.96348	202.58093	139.03878	5.28430	0.1547965	0.23287728	2.6164833	21	1 14.7	20.7
302655 2002 RG_{248}	17.1	X	154.78880	332.55118	348.77809	4.09482	0.1192881	0.22946444	2.6423629	21	—	—
302656 2002 RX_{250}	16.8	X	193.27034	300.95095	15.49162	6.50545	0.1231966	0.23461808	2.6035249	21	1 17.1	20.9
302657 2002 RX_{251}	16.7	X	51.31280	127.35945	292.65550	1.51315	0.0423939	0.22638918	2.6662381	21	—	—
302658 2002 RF_{267}	17.1	X	86.28759	153.69472	214.05705	1.49006	0.0947367	0.22309455	2.6924237	21	—	—
302659 2002 RJ_{267}	17.2	X	89.04412	226.80265	200.69890	4.55214	0.0821721	0.23102909	2.6304190	21	1 26.6	20.4
302660 2002 RL_{277}	16.3	X	65.85920	325.80056	331.52779	12.74101	0.1504857	0.21411066	2.7672211	21	11 4.4	20.5
302661 2002 SH_{3}	16.6	X	181.12479	42.92194	278.29131	9.42623	0.1020315	0.23349782	2.6118456	21	1 7.7	20.3
302662 2002 SW_{4}	16.5	X	55.30003	243.34087	184.65774	9.32084	0.2504590	0.22360546	2.6883210	21	—	—
302663 2002 SP_{7}	16.2	X	101.18954	7.40503	8.75963	6.16804	0.0395134	0.22542087	2.6738680	21	—	—
302664 2002 SJ_{12}	16.2	X	152.69249	246.00952	26.79773	12.21393	0.0682436	0.21898632	2.7259929	21	—	—
302665 2002 SK_{17}	16.3	X	355.15605	326.04187	189.73702	12.86249	0.1086291	0.22975578	2.6401286	21	—	—
302666 2002 SC_{33}	15.9	X	64.04329	359.25490	6.96289	9.42482	0.1546563	0.21868835	2.7284685	21	—	—
302667 2002 SW_{38}	16.7	X	84.31563	319.17878	66.90138	2.35728	0.1990251	0.22402595	2.6849559	21	—	—
302668 2002 SC_{42}	16.7	X	97.91766	166.08847	190.62570	4.42984	0.0970668	0.22238138	2.6981770	21	—	—
302669 2002 SC_{48}	15.8	X	70.68534	243.31628	186.00638	21.65105	0.0600374	0.22850205	2.6497769	21	—	—
302670 2002 SQ_{48}	15.8	X	196.94623	256.72422	32.52962	15.04130	0.1034953	0.22842783	2.6503509	21	—	—
302671 2002 SJ_{58}	15.9	X	88.15730	304.42039	49.85089	13.36856	0.1240297	0.22011027	2.7167052	21	—	—
302672 2002 SZ_{61}	16.1	X	41.33596	16.87608	306.78084	5.17696	0.0414897	0.21164818	2.7886436	21	10 24.6	19.8
302673 2002 SQ_{67}	16.2	X	73.04028	356.84342	16.33764	11.91221	0.1357099	0.22401637	2.6850325	21	—	—
302674 2002 SR_{68}	17.0	X	69.35391	31.18202	359.74375	5.98822	0.0538935	0.22367740	2.6877445	21	—	—
302675 2002 SK_{69}	15.9	X	196.54710	214.70681	72.25050	10.09242	0.1081293	0.22996828	2.6385020	21	—	—
302676 2002 SM_{71}	16.2	X	338.49850	121.48917	9.23125	14.13411	0.0595961	0.22386086	2.6862758	21	—	—
302677 2002 SH_{74}	16.9	X	64.22787	231.96398	152.21343	13.43917	0.1704003	0.22034105	2.7148079	21	—	—
302678 2002 SO_{74}	17.1	X	72.04356	9.26420	18.86425	4.92163	0.0375781	0.22336968	2.6902124	21	—	—
302679 2002 TN_{9}	15.9	X	132.98205	298.24788	31.56557	7.33947	0.2343344	0.22528534	2.6749403	21	—	—
302680 2002 TZ_{13}	16.0	X	38.95106	290.94613	44.51338	8.87687	0.1242084	0.21120239	2.7925663	21	11 19.0	19.7
302681 2002 TJ_{32}	16.3	X	26.75371	25.04308	19.64158	13.75299	0.1750648	0.21594835	2.7514996	21	—	—
302682 2002 TS_{32}	16.0	X	73.69688	17.57881	28.79018	16.35932	0.2532595	0.22281253	2.6946951	21	—	—
302683 2002 TC_{44}	16.5	X	58.42639	167.18786	200.90566	12.30937	0.1890987	0.21678721	2.7443971	21	—	—
302684 2002 TK_{54}	16.8	X	97.32369	337.00568	26.34477	4.40520	0.2427252	0.22227894	2.6990060	21	—	—
302685 2002 TA_{57}	16.3	X	127.31531	303.95057	47.63041	4.45912	0.1101264	0.22772786	2.6557790	21	—	—
302686 2002 TJ_{61}	16.1	X	83.20089	180.05185	224.48828	12.38169	0.1512724	0.22617424	2.6679271	21	—	—
302687 2002 TZ_{61}	15.4	X	58.72600	189.18734	218.03114	14.86355	0.1698256	0.22261462	2.6962920	21	—	—
302688 2002 TB_{67}	16.1	X	197.90453	64.90411	239.55962	15.48509	0.2556754	0.23445201	2.6047542	21	1 7.5	20.9
302689 2002 TE_{70}	16.1	X	124.62475	143.08968	222.48938	13.10448	0.1215094	0.22723617	2.6596087	21	1 1.1	19.9
302690 2002 TE_{75}	16.5	X	118.54715	264.80505	60.06390	8.54145	0.2341122	0.22369241	2.6876243	21	—	—
302691 2002 TN_{76}	16.1	X	106.00661	352.04421	1.12714	12.37183	0.0878418	0.22249015	2.6972976	21	—	—
302692 2002 TS_{81}	16.1	X	113.32278	223.24123	132.86714	8.13829	0.1779019	0.22552463	2.6730479	21	—	—
302693 2002 TH_{105}	16.3	X	145.95813	97.88044	211.76154	11.74803	0.2669328	0.22747747	2.6577275	21	—	—
302694 2002 TS_{107}	16.6	X	44.39668	258.63138	201.59521	6.38208	0.0737489	0.22776548	2.6554866	21	1 3.3	19.9
302695 2002 TX_{115}	16.0	X	140.52401	11.10014	306.66370	7.92238	0.1864609	0.22479188	2.6788536	21	—	—
302696 2002 TJ_{116}	16.1	X	137.79339	357.30015	342.13800	12.31463	0.1172566	0.22600493	2.6692594	21	—	—
302697 2002 TT_{118}	16.2	X	168.50591	86.01642	220.06545	16.32595	0.1409752	0.22651501	2.6652507	21	—	—
302698 2002 TZ_{121}	16.7	X	103.42802	108.14650	254.11497	6.34605	0.2552424	0.22346180	2.6894730	21	—	—
302699 2002 TY_{146}	16.5	X	37.87569	17.20192	3.90507	6.79912	0.0779417	0.21690160	2.7434320	21	—	—
302700 2002 TU_{150}	17.9	X	49.33857	167.53607	249.33758	2.54447	0.2276718	0.22173993	2.7033780	21	—	—
302701 2002 TW_{159}	16.1	X	46.27832	291.98183	141.99307	14.29535	0.2040228	0.22213618	2.7001621	21	—	—
302702 2002 TO_{166}	16.5	X	106.86718	4.54004	1.19764	12.94636	0.2736658	0.22632529	2.6667399	21	1 5.5	20.1
302703 2002 TH_{167}	16.1	X	110.26121	93.90441	264.13005	11.53823	0.1933186	0.22533810	2.6745228	21	—	—
302704 2002 TX_{171}	16.3	X	80.47627	130.40561	273.85184	9.99888	0.1767490	0.22624713	2.6673540	21	—	—
302705 2002 TN_{175}	15.9	X	186.41229	5.12728	279.51057	12.42342	0.1473076	0.22851914	2.6496448	21	—	—
302706 2002 TA_{177}	15.7	X	85.10082	296.28357	83.59435	13.15045	0.2840915	0.22210362	2.7004261	21	—	—
302707 2002 TP_{181}	16.0	X	66.32879	76.78053	280.77791	7.23995	0.1735078	0.21849160	2.7301063	21	—	—
302708 2002 TM_{192}	16.2	X	107.39902	88.95180	261.90568	11.10536	0.2855301	0.22280355	2.6947675	21	—	—
302709 2002 TR_{208}	16.2	X	103.39136	275.60759	73.63456	8.64561	0.2402476	0.22339981	2.6899705	21	—	—
302710 2002 TO_{209}	16.2	X	356.60888	344.50747	17.62488	9.64257	0.1640417	0.20941652	2.8084202	21	10 21.8	19.2
302711 2002 TP_{221}	16.1	X	132.45912	138.33157	213.75724	10.87696	0.1216802	0.22632677	2.6667283	21	—	—
302712 2002 TT_{230}	15.8	X	154.39995	277.76557	51.94041	16.66064	0.2619844	0.23036654	2.6354601	21	1 7.8	20.3
302713 2002 TQ_{233}	16.0	X	101.82765	48.40505	311.42351	10.88988	0.1760691	0.22320451	2.6915394	21	—	—
302714 2002 TS_{235}	16.3	X	72.50520	113.68406	269.60204	12.35351	0.2139034	0.22099161	2.7094773	21	—	—
302715 2002 TA_{249}	16.2	X	47.07939	147.67188	187.27281	4.90762	0.1667600	0.21281094	2.7784766	21	12 6.8	20.0
302716 2002 TH_{257}	16.2	X	50.41012	331.13922	38.92515	13.29562	0.2168557	0.21588837	2.7520092	21	—	—
302717 2002 TE_{276}	15.9	X	170.67125	47.49898	257.48215	3.36928	0.2033520	0.22723150	2.6596451	21	—	—
302718 2002 TS_{277}	15.9	X	141.61190	77.84788	261.65224	5.21755	0.0600941	0.22569949	2.6716670	21	—	—
302719 2002 TL_{284}	15.6	X	66.30098	140.07984	243.80364	12.45883	0.1328001	0.21877942	2.7277113	21	—	—
302720 2002 TC_{294}	16.6	X	71.42289	26.35814	25.61796	6.80233	0.1375624	0.22435087	2.6823630	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
302721 2002 TV_{294}	16.4	X	60.04383	52.81731	353.15643	10.27156	0.2153983	0.22061685	2.7125449	21	—	—
302722 2002 TB_{298}	16.4	X	136.89426	124.83129	219.44232	4.44063	0.1608042	0.22768106	2.6561430	21	—	—
302723 2002 TH_{300}	16.4	X	38.66502	54.27785	51.97010	10.48631	0.2610393	0.22472366	2.6793956	21	1 2.4	18.5
302724 2002 TJ_{311}	16.5	X	139.70775	137.18968	146.80917	9.59865	0.1041603	0.21810592	2.7333237	21	—	—
302725 2002 TN_{311}	16.3	X	265.98280	135.83526	62.93511	12.39828	0.1174438	0.22202810	2.7010384	21	—	—
302726 2002 TT_{314}	16.0	X	302.44228	78.73953	76.12050	14.19005	0.0958597	0.21877735	2.7277286	21	—	—
302727 2002 TG_{317}	16.8	X	358.37118	158.30257	304.71522	8.61812	0.2262493	0.22321045	2.6914916	21	—	—
302728 2002 TP_{323}	16.8	X	46.57983	4.38768	4.92999	5.57718	0.0549904	0.21775256	2.7362800	21	—	—
302729 2002 TT_{328}	17.1	X	213.93499	246.93653	29.51329	5.11495	0.1519686	0.23059582	2.6337129	21	—	—
302730 2002 TY_{345}	16.7	X	151.38900	211.72135	106.49476	6.56346	0.0552233	0.22387856	2.6861342	21	—	—
302731 2002 TC_{370}	16.4	X	160.65554	145.77459	151.25791	10.83592	0.2704989	0.22458367	2.6805090	21	—	—
302732 2002 TN_{375}	16.2	X	121.32901	183.26484	155.05761	6.55337	0.0823409	0.22392741	2.6857436	21	—	—
302733 2002 TO_{378}	16.5	X	78.82009	128.34693	279.00718	4.02345	0.0383877	0.22352978	2.6889276	21	—	—
302734 2002 TP_{379}	16.9	X	176.00121	105.08848	191.29639	5.62660	0.1357961	0.22743365	2.6580689	21	—	—
302735 2002 TC_{382}	16.5	X	37.42527	341.12907	14.28447	5.28499	0.1747064	0.21295716	2.7772046	21	12 20.7	20.3
302736 2002 TY_{382}	16.8	X	70.63512	139.33796	213.40426	4.45217	0.1002512	0.21588728	2.7520184	21	—	—
302737 2002 TC_{387}	16.8	X	71.44935	190.53763	187.86629	14.82974	0.1904702	0.21968213	2.7202338	21	—	—
302738 2002 UV_{3}	16.8	X	112.05431	281.01272	58.22967	9.21843	0.3475090	0.22334589	2.6904034	21	—	—
302739 2002 UC_{9}	16.7	X	51.54057	275.92044	120.77874	10.12195	0.3282179	0.21780022	2.7358808	21	—	—
302740 2002 UB_{16}	16.4	X	353.17097	14.14090	90.62937	5.22996	0.2433341	0.21694404	2.7430742	21	—	—
302741 2002 UP_{18}	15.9	X	143.17053	279.53803	55.55844	9.60339	0.1378795	0.22518656	2.6757225	21	—	—
302742 2002 UH_{27}	16.0	X	36.13404	61.58366	37.51337	12.28834	0.0842902	0.22423043	2.6833234	21	—	—
302743 2002 UE_{28}	16.1	X	95.66831	315.32228	65.32155	10.50823	0.1265954	0.22309336	2.6924333	21	—	—
302744 2002 UK_{34}	16.7	X	27.45377	250.39544	199.57438	7.50392	0.2658244	0.21957493	2.7211191	21	—	—
302745 2002 UM_{37}	16.6	X	110.68516	93.82377	255.07534	2.02502	0.2275964	0.22255076	2.6968078	21	—	—
302746 2002 UW_{41}	16.8	X	341.30466	18.74184	73.88819	9.08377	0.1977503	0.21240683	2.7819996	21	—	—
302747 2002 UW_{55}	16.9	X	70.00102	245.74703	113.26993	6.88849	0.0575108	0.21739164	2.7393077	21	—	—
302748 2002 UG_{64}	17.3	X	54.16713	179.09790	198.71318	4.57899	0.1232433	0.21935812	2.7229118	21	—	—
302749 2002 UJ_{67}	16.6	X	183.07788	190.43578	113.69565	3.49593	0.0798112	0.22770364	2.6559673	21	—	—
302750 2002 UY_{75}	16.8	X	109.99543	27.49860	287.81586	2.43743	0.1913453	0.21804192	2.7338586	21	—	—
302751 2002 VJ_{8}	16.3	X	43.31998	57.98971	352.08518	8.17373	0.1460959	0.21865772	2.7287234	21	—	—
302752 2002 VW_{14}	16.3	X	357.02671	108.66425	4.64751	8.59483	0.1327265	0.22008849	2.7168844	21	—	—
302753 2002 VQ_{19}	16.5	X	41.06761	2.11991	53.19083	5.15585	0.0615438	0.21883589	2.7272420	21	—	—
302754 2002 VN_{22}	16.8	X	11.65982	344.06858	91.38176	9.97029	0.3083161	0.21563554	2.7541599	21	—	—
302755 2002 VM_{25}	15.9	X	88.10264	252.38559	82.68534	14.95764	0.2186344	0.21720367	2.7408879	21	—	—
302756 2002 VX_{28}	15.9	X	9.31479	207.38363	233.93656	12.81534	0.1281365	0.21652871	2.7465809	21	—	—
302757 2002 VN_{39}	16.3	X	63.81510	305.58140	80.00731	13.98625	0.1709444	0.21819188	2.7326059	21	—	—
302758 2002 VB_{43}	16.3	X	86.90681	260.87339	58.51582	14.14489	0.1929208	0.21479114	2.7613734	21	—	—
302759 2002 VH_{53}	15.8	X	86.56237	130.17521	255.65419	13.06823	0.1024309	0.22163918	2.7041972	21	—	—
302760 2002 VO_{63}	15.8	X	20.88819	186.60576	249.19736	9.33698	0.2352019	0.21657986	2.7461484	21	—	—
302761 2002 VT_{79}	16.3	X	35.90153	206.98016	215.74434	9.35907	0.1761041	0.21724667	2.7405262	21	—	—
302762 2002 VO_{96}	15.9	X	79.47861	134.28510	255.09908	10.03949	0.1273182	0.22143019	2.7058985	21	—	—
302763 2002 VT_{97}	16.6	X	334.46422	222.18738	245.14511	9.16182	0.2750662	0.21238647	2.7821774	21	—	—
302764 2002 VS_{99}	14.8	X	25.84658	79.31968	359.25537	22.23246	0.3131322	0.21539000	2.7562526	21	—	—
302765 2002 VA_{103}	16.2	X	44.51241	6.16107	29.29622	9.34116	0.1760826	0.21637571	2.7478755	21	—	—
302766 2002 VX_{104}	15.6	X	25.06690	201.20957	252.93115	13.61815	0.1513589	0.21916639	2.7244996	21	—	—
302767 2002 VV_{107}	16.2	X	86.01283	334.53861	36.55466	9.32740	0.1766588	0.21889829	2.7267237	21	—	—
302768 2002 VO_{113}	16.4	X	69.71426	297.36154	70.34046	6.15510	0.3135757	0.21784433	2.7355115	21	—	—
302769 2002 VR_{122}	16.1	X	93.55776	334.16173	26.25525	13.54786	0.1894384	0.21957838	2.7210906	21	—	—
302770 2002 VR_{123}	15.9	X	90.26518	107.01798	259.03856	16.02964	0.2022535	0.22090575	2.7101793	21	—	—
302771 2002 VT_{132}	16.1	X	175.60438	51.60335	255.14186	10.70935	0.2078774	0.22745659	2.6578902	21	—	—
302772 2002 VD_{135}	16.6	X	34.54665	121.28202	267.31441	6.94876	0.1713352	0.21458809	2.7631150	21	—	—
302773 2002 VZ_{135}	16.5	X	347.28943	173.64015	261.75386	5.85098	0.1288779	0.21160629	2.7890117	21	—	—
302774 2002 VS_{144}	16.7	X	314.74701	248.79997	214.44918	4.02844	0.0623376	0.21224503	2.7834133	21	12 25.4	20.1
302775 2002 VC_{146}	16.8	X	48.09421	313.98002	124.80328	4.22790	0.0521481	0.22241088	2.6979384	21	—	—
302776 2002 WD_{5}	16.1	X	93.78265	290.40259	57.38971	13.97769	0.1579332	0.21667419	2.7453513	21	—	—
302777 2002 WX_{6}	16.0	X	57.95685	115.57216	279.01352	2.99800	0.1607823	0.21747314	2.7386233	21	—	—
302778 2002 WD_{10}	16.1	X	58.62780	140.71687	237.63366	4.89280	0.0655153	0.21444933	2.7643069	21	—	—
302779 2002 WP_{22}	16.6	X	246.84336	9.08599	109.92265	3.17411	0.0119081	0.20356365	2.8619973	21	10 21.2	20.6
302780 2002 WW_{28}	16.0	X	34.30076	329.98588	72.40849	7.57063	0.0340024	0.21551124	2.7552188	21	—	—
302781 2002 XF_{13}	16.6	X	53.38445	353.32222	55.33595	5.28239	0.1464580	0.21798230	2.7343571	21	—	—
302782 2002 XB_{19}	15.5	X	149.38744	90.40208	249.50335	12.72745	0.1483119	0.22598934	2.6693821	21	1 2.1	19.5
302783 2002 XN_{19}	15.5	X	123.65632	89.03654	257.21743	13.63490	0.1889560	0.22226105	2.6991508	21	—	—
302784 2002 XV_{36}	15.9	X	48.54676	103.58411	287.71415	8.33308	0.0849606	0.21455918	2.7633633	21	—	—
302785 2002 XR_{40}	15.3	X	70.84441	95.95243	319.71883	29.34255	0.4020086	0.21717757	2.7411075	21	2 6.2	17.5
302786 2002 XY_{45}	16.4	X	349.41196	211.93154	266.74899	6.91640	0.2826852	0.21344408	2.7729794	21	—	—
302787 2002 XJ_{46}	16.6	X	72.96802	56.61637	321.68867	4.47936	0.1532028	0.21804962	2.7337943	21	—	—
302788 2002 XA_{61}	16.4	X	31.92466	330.64450	75.10514	8.20721	0.2573777	0.21396143	2.7685076	21	—	—
302789 2002 XK_{61}	16.3	X	57.24499	208.15713	186.17817	4.53033	0.2143706	0.21721372	2.7408034	21	—	—
302790 2002 XP_{81}	16.0	X	14.60492	141.31478	289.42945	8.62887	0.1935035	0.21245960	2.7815389	21	—	—
302791 2002 XX_{81}	16.7	X	291.27076	162.47215	312.12068	7.44392	0.3085987	0.20421204	2.8559361	21	10 27.6	20.0
302792 2002 XX_{87}	15.8	X	82.58778	336.78041	30.08046	12.06095	0.3152052	0.21866831	2.7286352	21	—	—
302793 2002 XM_{98}	15.6	X	103.65849	241.40283	61.83299	19.31373	0.2615138	0.21386097	2.7693746	21	12 30.6	20.6
302794 2002 XR_{102}	15.4	X	192.62068	323.68350	247.57840	14.18777	0.0912590	0.20667003	2.8332466	21	11 30.2	19.7
302795 2002 XT_{107}	15.5	X	55.96209	97.87091	255.26489	12.22194	0.2590106	0.21186023	2.7867826	21	—	—
302796 2002 XK_{115}	16.4	X	358.48722	228.26912	175.43494	8.13346	0.2268980	0.21008604	2.8024503	21	12 30.5	19.5
302797 2002 XR_{118}	16.6	X	54.07323	192.80315	216.74420	4.89741	0.0665879	0.21852743	2.7298079	21	—	—
302798 2002 YU_{18}	16.3	X	351.20649	234.20486	255.79014	7.58403	0.2063397	0.21561291	2.7543527	21	—	—
302799 2002 YM_{32}	16.0	X	70.10548	311.86617	57.56466	12.95037	0.1345135	0.21647168	2.7470632	21	—	—
302800 2003 AA	19.4	X	69.39137	325.80132	111.92587	23.50075	0.2800151	0.43408598	1.7275033	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
302801 2003 AK_1	15.9	X	105.94821	139.67866	264.02269	12.56847	0.2560808	0.22307165	2.6926080	21	2 11.5	19.8
302802 2003 AG_{18}	16.0	X	154.05359	152.33256	3.41498	10.76300	0.2388365	0.18454516	3.0553967	21	8 20.8	21.4
302803 2003 AY_{18}	15.9	X	321.00609	202.14883	253.38154	4.98160	0.0986891	0.20640254	2.8356940	21	12 22.8	19.1
302804 2003 AL_{64}	15.7	X	276.33179	49.33500	52.99331	13.49173	0.1221713	0.20070992	2.8890617	21	10 24.1	19.5
302805 2003 AF_{73}	15.6	X	265.14664	175.68732	254.10681	8.87792	0.0951189	0.19321963	2.9632518	21	8 23.3	20.0
302806 2003 AH_{83}	16.4	X	350.05384	323.53908	16.35294	10.59743	0.1234633	0.19160302	2.9798963	21	9 9.0	19.9
302807 2003 BE_6	16.3	X	18.64878	110.53402	310.49167	8.26777	0.3131988	0.21069580	2.7970408	21	—	—
302808 2003 BB_{16}	15.7	X	229.93549	320.34124	133.40919	13.77039	0.1215955	0.18800082	3.0178401	21	8 13.5	20.3
302809 2003 BE_{24}	16.2	X	6.06153	246.78561	204.80522	8.33665	0.2907040	0.21164041	2.7887120	21	—	—
302810 2003 BA_{31}	16.5	X	20.81041	119.97026	292.41088	6.28904	0.3074054	0.21012855	2.8020723	21	—	—
302811 2003 BB_{37}	17.6	X	148.02389	228.73869	327.40555	3.06632	0.1226893	0.29435953	2.2381231	21	10 4.5	20.7
302812 2003 BJ_{63}	15.1	X	82.86117	223.41878	327.20314	17.75239	0.2292431	0.17580958	3.1557870	21	7 29.6	19.8
302813 2003 BL_{70}	15.3	X	1.45552	299.35567	328.35350	11.62273	0.1562801	0.17697982	3.1418603	21	6 16.5	19.0
302814 2003 BH_{72}	15.5	X	104.33169	294.27755	256.54951	13.24193	0.2544375	0.17996792	3.1069861	21	8 14.1	20.7
302815 2003 BY_{73}	15.6	X	152.04376	122.38442	69.29830	10.57853	0.0220733	0.19151015	2.9808596	21	9 28.4	20.0
302816 2003 BU_{75}	15.1	X	26.05114	272.35875	341.12435	24.87736	0.2345953	0.17870456	3.1216123	21	8 2.0	18.8
302817 2003 BH_{85}	15.7	X	189.22190	175.77176	310.63394	10.00317	0.0754720	0.18593795	3.0401198	21	8 12.7	20.4
302818 2003 BV_{91}	17.4	X	55.09199	28.22687	254.61818	6.24623	0.2035469	0.29713885	2.2241450	21	10 26.8	20.2
302819 2003 CJ_1	15.2	X	96.51993	219.27437	318.82458	11.89343	0.1818529	0.17675373	3.1445390	21	7 21.1	19.9
302820 2003 CJ_5	15.6	X	89.35947	268.02117	303.13235	18.19257	0.2755052	0.18002703	3.1063061	21	8 26.2	20.6
302821 2003 CC_9	17.6	X	271.63643	87.01031	347.05362	5.98396	0.1217407	0.30046595	2.2076957	21	9 17.1	19.8
302822 2003 CG_{20}	17.3	X	208.97401	128.70834	99.15991	4.14011	0.1241658	0.30954504	2.1643134	21	—	—
302823 2003 DQ_8	17.3	X	322.36964	1.19443	112.29757	3.06101	0.0426065	0.31047498	2.1599895	21	—	—
302824 2003 DZ_8	16.7	X	300.89905	304.21090	150.05254	2.39523	0.0896501	0.19804336	2.9149371	21	11 19.4	20.4
302825 2003 DX_{16}	16.0	X	113.94635	50.76517	104.12180	2.21035	0.1161749	0.17833324	3.1259440	21	7 1.6	20.6
302826 2003 DC_{19}	15.6	X	172.40479	189.62670	329.31781	10.81912	0.0627162	0.18616109	3.0376899	21	9 3.6	20.1
302827 2003 EM_{48}	15.5	X	36.08406	91.25607	156.21777	16.41963	0.1891594	0.17512648	3.1639881	21	7 25.9	19.4
302828 2003 ED_{52}	17.6	X	273.55846	353.65260	121.87053	5.09684	0.0813046	0.30240528	2.1982469	21	11 30.4	19.9
302829 2003 EB_{63}	15.9	X	200.56016	121.11128	41.16985	7.37029	0.1121858	0.18791616	3.0187464	21	10 8.6	20.5
302830 2003 FB	18.8	X	123.02867	46.22736	38.63647	16.97135	0.4421916	0.55153266	1.4726128	21	4 27.8	19.3
302831 2003 FH	19.0	X	2.60572	274.37424	24.13251	25.79847	0.5407427	0.60202454	1.3890778	21	3 23.9*	19.6
302832 2003 FK_{13}	15.8	X	142.83092	299.83504	182.43399	16.22646	0.0726547	0.17565869	3.1575940	21	6 18.7	20.8
302833 2003 FP_{18}	17.8	X	8.26276	74.81750	189.84015	2.54074	0.1330591	0.28089727	2.3090732	21	6 22.3	19.7
302834 2003 FG_{41}	17.2	X	234.38226	26.44115	105.14009	5.23204	0.0451425	0.29912656	2.2142810	21	10 31.5	19.8
302835 2003 FY_{44}	16.1	X	302.64115	237.16925	167.25271	15.90642	0.1230264	0.18902480	3.0069315	21	9 12.1	19.9
302836 2003 FF_{54}	16.1	X	90.25401	199.58740	4.72818	2.57905	0.2046423	0.17546365	3.1599335	21	8 17.8	20.8
302837 2003 FM_{54}	16.5	X	107.29117	215.78165	25.51361	7.99993	0.0859816	0.29146077	2.2529384	21	10 19.0	19.5
302838 2003 FB_{55}	15.3	X	80.83041	73.64223	118.13341	9.15337	0.1655740	0.17246357	3.1964737	21	7 15.9	19.7
302839 2003 FQ_{56}	17.4	X	142.18143	62.63776	181.20501	4.56101	0.1094583	0.29954034	2.2122414	21	12 2.6	20.5
302840 2003 FP_{58}	15.9	X	32.40572	37.65060	213.78995	5.29321	0.0594315	0.17635247	3.1493071	21	7 10.4	20.1
302841 2003 FC_{63}	16.0	X	20.03941	114.65055	183.12900	16.99455	0.1236742	0.17970451	3.1100216	21	8 26.6	19.9
302842 2003 FQ_{66}	16.9	X	14.85311	226.70623	60.13336	6.02340	0.1620692	0.28381065	2.2932439	21	8 20.9	18.8
302843 2003 FW_{85}	17.0	X	346.43143	34.87448	203.94863	23.76814	0.2392023	0.27154494	2.3617916	21	3 5.1	19.8
302844 2003 FV_{92}	15.3	X	151.20930	164.07345	44.76382	12.76774	0.1173849	0.18670222	3.0318175	21	10 17.4	20.1
302845 2003 FO_{100}	15.7	X	116.03273	86.92128	127.34949	7.63534	0.0500734	0.18264677	3.0765316	21	9 11.9	20.2
302846 2003 FF_{106}	17.1	X	133.31465	69.61772	132.11048	4.65993	0.1449415	0.29076309	2.2565409	21	9 30.4	20.5
302847 2003 FV_{113}	15.8	X	119.78393	358.54077	194.38710	16.48931	0.1621001	0.18012270	3.1052060	21	8 25.0	20.9
302848 2003 FW_{118}	17.7	X	281.54779	92.16733	39.96824	3.90625	0.0982530	0.30431228	2.1890536	21	—	—
302849 Richardboyle	15.3	X	139.26388	118.57080	13.55352	25.60655	0.1133250	0.17571945	3.1568661	21	7 2.1	20.7
302850 2003 FY_{126}	18.1	X	309.92589	120.01194	349.52398	3.02555	0.1204348	0.30825521	2.1703466	21	—	—
302851 2003 FN_{132}	15.8	X	39.02662	250.11362	21.99203	15.21999	0.1100861	0.17855652	3.1233374	21	8 30.9	20.0
302852 2003 GR_2	17.2	X	154.26492	224.42017	356.30495	3.42138	0.1053797	0.29783781	2.2206639	21	11 13.3	20.2
302853 2003 GZ_{10}	17.5	X	240.82169	153.40704	357.12260	4.73493	0.0575495	0.30036958	2.2081678	21	12 1.3	20.1
302854 2003 GZ_{18}	18.3	X	194.44952	160.70881	7.95110	1.91388	0.1151490	0.29627502	2.2284661	21	10 19.2	21.3
302855 2003 GX_{27}	16.0	X	16.40512	82.26362	195.43973	16.01240	0.1230599	0.17589293	3.1547900	21	7 22.9	20.2
302856 2003 GF_{31}	15.4	X	188.41162	139.38129	17.61408	21.44785	0.0505877	0.18491329	3.0513402	21	9 25.9	20.0
302857 2003 GM_{35}	16.1	X	211.47070	136.68564	38.54179	11.00013	0.1599743	0.19275030	2.9680600	21	10 29.8	20.8
302858 2003 GN_{36}	16.4	X	54.65444	317.00226	310.27437	0.85178	0.0751141	0.17924976	3.1152793	21	9 3.2	20.4
302859 2003 GY_{37}	15.5	X	58.76434	219.93200	47.97881	8.77020	0.2043754	0.17900612	3.1181054	21	10 2.3	19.9
302860 2003 GJ_{38}	14.9	X	56.56634	184.00974	55.22044	29.17742	0.1382020	0.17537637	3.1609818	21	8 24.8	19.8
302861 2003 GA_{39}	18.0	X	219.02770	14.55877	126.76846	5.50119	0.1288670	0.29678892	2.2258929	21	10 12.5	21.0
302862 2003 GY_{44}	17.5	X	87.70125	249.42346	346.21563	5.48674	0.1232597	0.28760914	2.2730078	21	9 20.7	20.5
302863 2003 GN_{46}	15.7	X	78.32598	54.07124	151.99668	10.69421	0.0474670	0.17540517	3.1606358	21	7 13.1	20.3
302864 2003 GJ_{54}	15.5	X	201.14047	112.49145	351.78629	9.70002	0.0629099	0.18163693	3.0879241	21	8 2.2	20.2
302865 2003 GN_{56}	17.5	X	14.49452	247.06565	33.36401	5.50786	0.2027207	0.28088798	2.3091242	21	8 13.6	19.2
302866 2003 GU_{56}	16.1	X	150.34933	91.87507	45.90111	9.97799	0.0485981	0.17797871	3.1300937	21	7 16.6	20.8
302867 2003 HJ_4	17.6	X	1.47771	265.40637	4.20596	2.22118	0.1841032	0.27751301	2.3278080	21	6 14.3	19.3
302868 2003 HW_7	16.3	X	253.62013	245.31469	35.77942	8.08403	0.1126899	0.26281607	2.4138009	21	1 29.7	20.0
302869 2003 HT_{11}	15.2	X	59.66756	186.21534	48.27091	9.53190	0.1574844	0.17492494	3.1664179	21	8 15.3	19.6
302870 2003 HF_{16}	17.5	X	34.86665	149.48341	105.34187	6.20548	0.1792431	0.27951919	2.3166564	21	8 10.5	19.5
302871 2003 HA_{22}	19.4	X	356.74909	163.51145	121.78852	1.60892	0.3949429	0.38342927	1.8764884	21	5 10.0	17.9
302872 2003 HY_{24}	16.1	X	274.72925	7.81092	77.46969	1.75430	0.0422746	0.18625237	3.0366974	21	10 6.9	20.2
302873 2003 HH_{35}	17.8	X	111.82602	73.69374	149.15995	4.69391	0.0963286	0.28918999	2.2647167	21	10 1.5	20.9
302874 2003 HM_{37}	16.9	X	311.98011	77.82434	227.68968	21.57645	0.2989521	0.27080333	2.3661016	21	4 5.8	20.3
302875 2003 HP_{47}	17.4	X	82.94439	77.17406	186.69656	3.58698	0.1608309	0.28862823	2.2676543	21	10 29.4	20.5
302876 2003 HP_{49}	17.3	X	309.41632	109.58403	198.10762	6.43252	0.1333264	0.27492651	2.3423851	21	5 7.6	19.8
302877 2003 HG_{51}	15.6	X	27.16819	166.75326	93.77722	7.71091	0.1201515	0.17247835	3.1962911	21	7 21.8	19.5
302878 2003 HU_{58}	15.4	X	29.57583	219.59905	31.50127	17.26985	0.1138780	0.17284351	3.1917877	21	7 15.0	19.8
302879 2003 JN_6	16.7	X	168.37293	147.15714	63.09995	7.86124	0.1700947	0.29475087	2.2361417	21	11 12.9	19.9
302880 2003 JY_{16}	16.7	X	132.34493	130.81501	100.65872	7.48276	0.1555376	0.29267705	2.2466923	21	11 8.2	20.2

* The additional opposition: 12 16.2, $V = 21.4$

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
302881 2003 JH_{17}	16.8	X	103.74922	133.68997	88.25378	6.40780	0.1119444	0.28571611	2.2830367	21	9 24.2	20.0
302882 2003 LZ	17.2	X	356.91260	156.43109	129.95805	8.08551	0.1490984	0.27748441	2.3279679	21	7 3.5	19.2
302883 2003 LL_{1}	15.7	X	128.71715	62.85525	125.50898	9.48611	0.2480027	0.17826878	3.1266974	21	9 7.9	21.1
302884 2003 MH	17.0	X	43.80136	184.79901	64.03712	3.14288	0.1853505	0.27858966	2.3218066	21	8 19.3	19.2
302885 2003 NC_{2}	16.9	X	308.68522	68.31079	239.02726	8.81784	0.2175328	0.26723152	2.3871384	21	4 19.3	19.8
302886 2003 NS_{3}	16.5	X	238.68760	48.52964	289.35629	5.77479	0.1790316	0.25869340	2.4393782	21	3 17.9	20.4
302887 2003 NN_{4}	16.9	X	273.77392	21.19672	300.48123	5.81959	0.1839365	0.26244292	2.4160884	21	3 30.7	20.5
302888 2003 NY_{12}	17.0	X	328.00667	359.19325	300.97443	4.74113	0.1689135	0.26854385	2.3793550	21	5 20.6	19.4
302889 2003 NE_{13}	17.7	X	266.59124	205.26234	121.56023	2.66451	0.2146687	0.26218277	2.4176863	21	3 31.3	21.3
302890 2003 OE_{6}	16.9	X	252.37708	105.29566	242.22501	5.71146	0.1199881	0.26168782	2.4207339	21	4 18.9	20.3
302891 2003 OA_{11}	16.7	X	221.54768	107.22844	228.59758	15.05193	0.2814454	0.25499381	2.4629161	21	2 24.4	21.5
302892 2003 OF_{27}	17.6	X	303.84055	344.93454	285.06979	2.47403	0.2211513	0.26207505	2.4183487	21	2 22.6	21.0
302893 2003 PK	17.2	X	348.74581	211.62036	167.94154	25.58665	0.0762012	0.39219372	1.8484270	21	12 12.8	19.6
302894 2003 QM	16.9	X	220.50975	62.94257	313.87949	4.17703	0.1855259	0.25980534	2.4324131	21	4 19.9	20.9
302895 2003 QD_{5}	17.3	X	243.92568	126.14977	207.70587	1.58468	0.2008489	0.25820182	2.4424734	21	3 19.1	21.1
302896 2003 QA_{7}	17.9	X	255.66752	71.01862	248.68701	0.61172	0.1972364	0.25819840	2.4424950	21	3 12.4	21.7
302897 2003 QW_{7}	17.3	X	206.37419	17.23606	347.35746	0.75898	0.2085939	0.25524038	2.4613297	21	3 25.5	21.5
302898 2003 QU_{10}	18.8	X	164.69899	13.34962	349.57570	1.26521	0.4120800	0.24745774	2.5126694	21	3 1.8	23.5
302899 2003 QV_{18}	17.3	X	155.64099	346.44076	344.02993	3.83232	0.2371589	0.24421074	2.5348925	21	1 5.0	21.3
302900 2003 QD_{37}	17.2	X	187.78387	45.95858	353.40998	5.83652	0.2068422	0.25657569	2.4527825	21	4 20.2	21.3
302901 2003 QG_{50}	16.9	X	197.54085	330.53208	46.76773	4.38722	0.2382812	0.25438510	2.4668435	21	4 4.6	21.2
302902 2003 QF_{105}	16.5	X	215.37017	359.00064	24.44528	3.92668	0.1583992	0.25773314	2.4454336	21	4 26.3	20.1
302903 2003 QY_{112}	15.8	X	102.52833	235.23913	142.04613	28.56318	0.2160042	0.23819089	2.5774245	21	1 2.4	19.3
302904 2003 RE	16.3	X	222.04924	71.30111	290.26933	13.44022	0.1392488	0.25703623	2.4498518	21	3 29.3	20.4
302905 2003 SQ_{29}	16.9	X	230.29409	72.63771	279.87593	4.30493	0.1766427	0.25592089	2.4569645	21	3 29.6	20.9
302906 2003 ST_{29}	16.2	X	181.64486	13.04081	16.10236	5.21329	0.1076054	0.25190281	2.4830228	21	4 1.0	19.8
302907 2003 SR_{34}	17.3	X	196.02597	118.98425	254.94262	2.02524	0.1924292	0.25438595	2.4668380	21	3 27.5	21.2
302908 2003 SZ_{39}	16.5	X	137.80400	0.69853	355.14832	17.17378	0.1672764	0.24149254	2.5538786	21	1 14.7	20.4
302909 2003 SW_{42}	16.9	X	303.37923	53.32236	264.11506	5.74291	0.1287163	0.26450386	2.4035216	21	5 12.1	19.8
302910 2003 SC_{48}	14.1	X	84.27367	107.37124	276.55690	8.99268	0.2685878	0.12574699	3.9458234	21	1 17.0	19.3
302911 2003 SS_{51}	16.9	X	233.49468	296.89316	56.17236	5.25367	0.1928527	0.25639326	2.4539458	21	4 5.7	21.0
302912 2003 ST_{51}	16.8	X	285.04877	229.12397	83.80252	4.60819	0.1264843	0.25894334	2.4378083	21	4 14.5	20.1
302913 2003 SE_{57}	17.4	X	249.88507	123.70593	211.74254	1.76419	0.2221905	0.25813778	2.4428774	21	3 24.9	21.4
302914 2003 SS_{61}	17.0	X	198.85953	312.58691	83.70921	3.59184	0.1998907	0.25692614	2.4505516	21	4 28.7	21.0
302915 2003 SZ_{77}	14.9	X	76.17555	72.48034	306.73272	7.27521	0.1997241	0.12476660	3.9664668	21	—	—
302916 2003 SX_{94}	17.0	X	200.97732	91.40043	267.67191	4.54006	0.1197462	0.25268135	2.4779199	21	3 11.2	20.8
302917 2003 SC_{102}	17.9	X	230.96830	243.55204	193.80072	22.28071	0.1513730	0.37768584	1.8954642	21	7 20.8	20.9
302918 2003 SM_{122}	16.2	X	131.26348	77.51914	229.39115	12.11883	0.1091659	0.23690965	2.5867089	21	—	—
302919 2003 SA_{130}	17.6	X	279.05068	23.86829	319.32200	20.42392	0.0735022	0.37442797	1.9064431	21	5 6.1	20.2
302920 2003 SX_{157}	17.0	X	203.05487	172.30567	213.17485	5.44430	0.1551550	0.25514998	2.4619111	21	4 17.7	20.7
302921 2003 SK_{168}	16.8	X	192.52913	260.84841	119.59678	9.82046	0.2260527	0.25444422	2.4664614	21	4 7.6	21.2
302922 2003 SN_{178}	15.5	X	99.63795	272.74297	98.58991	4.42131	0.2523429	0.12667467	3.9265356	21	1 19.2	21.0
302923 2003 SG_{195}	17.9	X	210.98127	67.98691	281.24896	2.71410	0.2603795	0.25211174	2.4816508	21	3 9.6	22.3
302924 2003 SA_{211}	16.5	X	200.55818	167.40336	243.30508	5.50490	0.0884875	0.26121070	2.4236807	21	5 18.5	19.8
302925 2003 SW_{216}	15.5	X	115.90930	229.68112	203.14504	10.06349	0.0543372	0.19297538	2.9657516	21	3 11.5	19.7
302926 2003 SF_{222}	17.2	X	255.79122	249.69592	165.79891	0.63958	0.1905183	0.26457825	2.4030711	21	7 16.9	20.4
302927 2003 SJ_{228}	17.1	X	115.22153	298.93097	45.60977	5.79694	0.2675897	0.23631222	2.5910667	21	—	—
302928 2003 SE_{245}	17.2	X	215.01667	352.51149	15.25814	2.67803	0.1966443	0.25559986	2.4590214	21	4 5.8	21.4
302929 2003 SY_{256}	15.3	X	77.80778	148.22116	240.11602	1.81791	0.2622746	0.12593886	3.9418147	21	1 13.6	20.4
302930 2003 SB_{267}	17.7	X	105.29756	231.64966	174.89241	5.21464	0.2464816	0.24154008	2.5535434	21	2 14.3	21.0
302931 2003 SP_{284}	17.2	X	280.42880	35.38991	274.64536	3.06996	0.1934667	0.25932177	2.4354361	21	3 23.5	20.8
302932 Francoballoni	17.0	X	308.69272	57.83126	212.35160	1.94797	0.1003023	0.25345703	2.4728617	21	3 20.7	20.0
302933 2003 SY_{322}	17.2	X	342.82873	33.71889	244.27116	3.64106	0.1976175	0.26569868	2.3963106	21	5 12.5	19.2
302934 2003 SL_{332}	17.0	X	118.01147	263.06363	117.76015	5.17591	0.1568262	0.24042672	2.5614206	21	1 16.2	20.0
302935 2003 SC_{334}	17.4	X	166.88668	47.76208	354.72829	3.82970	0.0283301	0.25034960	2.4932823	21	3 26.6	20.8
302936 2003 SB_{335}	16.6	X	308.36619	204.44242	19.37297	11.29616	0.0496493	0.24779272	2.5104044	21	1 31.7	20.1
302937 2003 SA_{382}	17.4	X	66.90745	17.08795	144.63675	2.82859	0.1572801	0.25474204	2.4645386	21	5 12.8	20.0
302938 2003 SX_{391}	17.2	X	243.83385	292.92042	56.60842	7.18218	0.1176188	0.25680974	2.4512920	21	4 16.3	20.7
302939 2003 SW_{396}	16.8	X	116.80934	277.14985	135.34364	8.15205	0.0488162	0.24439521	2.5336168	21	2 7.9	19.9
302940 2003 SR_{407}	16.6	X	172.74381	282.39021	69.88855	15.54389	0.1270484	0.24432594	2.5340956	21	2 12.0	20.7
302941 2003 SD_{416}	16.7	X	153.58103	55.91148	37.26991	7.23585	0.0780902	0.25726801	2.4483802	21	5 20.5	20.1
302942 2003 SE_{423}	17.7	X	130.73261	121.74033	266.59959	3.21175	0.1907785	0.24494945	2.5297935	21	2 12.8	21.3
302943 2003 SQ_{429}	18.1	X	291.78334	302.80247	20.33949	20.76553	0.0833333	0.37158893	1.9161413	21	4 26.4	20.0
302944 2003 TU_{3}	17.9	X	237.86409	210.55386	219.71307	19.80276	0.0846229	0.37710404	1.8974132	21	7 25.5	20.5
302945 2003 TP_{6}	16.8	X	270.27080	248.88001	57.84600	14.76492	0.2536672	0.25734604	2.4478853	21	3 13.7	21.0
302946 2003 TS_{20}	17.2	X	203.95597	278.31131	95.64824	3.62255	0.2046208	0.25378625	2.4707226	21	4 6.1	21.3
302947 2003 TV_{36}	18.6	X	155.96230	80.94699	285.99312	2.11305	0.2793604	0.24511149	2.5286784	21	2 19.9	22.8
302948 2003 UL_{6}	16.8	X	154.09498	249.09664	246.39813	18.92102	0.0920786	0.37368417	1.9089721	21	7 15.6	19.4
302949 2003 UH_{8}	17.1	X	326.66137	76.09412	227.40193	20.63915	0.0452157	0.37099307	1.9181925	21	6 5.9	18.8
302950 2003 UJ_{11}	17.2	X	273.93773	267.83856	42.87306	22.15441	0.0806150	0.36486305	1.9396177	21	3 31.4	19.7
302951 2003 UF_{18}	17.0	X	72.48620	67.52236	332.26034	2.26907	0.1154017	0.23646059	2.5899828	21	—	—
302952 2003 UM_{41}	17.5	X	213.73772	334.54431	24.56692	1.22256	0.2048679	0.25388805	2.4700621	21	3 25.4	21.7
302953 2003 UT_{42}	17.1	X	245.96012	302.36132	28.54176	5.82247	0.0974550	0.25457558	2.4656129	21	3 26.5	20.7
302954 2003 UG_{81}	15.0	X	109.00325	247.17368	129.27163	7.58982	0.3043749	0.12631344	3.9340181	21	2 9.1	20.9
302955 2003 UQ_{91}	16.6	X	39.44399	175.90979	58.43195	5.95109	0.1732948	0.26218132	2.4176952	21	7 15.4	18.9
302956 2003 UA_{95}	16.4	X	279.22276	106.88037	210.94962	5.82663	0.0884435	0.25678237	2.4514662	21	4 17.0	19.4
302957 2003 UQ_{109}	17.4	X	184.99571	71.33554	243.78205	4.45852	0.1639900	0.24088991	2.5581361	21	1 6.8	21.4
302958 2003 UZ_{166}	17.7	X	175.17655	187.76750	229.30452	18.54785	0.0753501	0.36409902	1.9423301	21	4 16.0	19.9
302959 2003 UU_{175}	17.3	X	184.24049	135.49579	207.59968	3.51125	0.1982874	0.24621992	2.5210837	21	2 8.9	21.4
302960 2003 US_{179}	17.1	X	126.69213	264.78972	87.08216	4.11276	0.2240492	0.23806093	2.5783624	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
302961 2003 UY_{209}	16.0	X	172.31797	80.20998	272.21820	3.46319	0.1197585	0.24315970	2.5421918	21	2 4.9	19.9
302962 2003 UL_{219}	17.1	X	205.28649	50.14648	261.65933	3.49246	0.1720786	0.24477327	2.5310072	21	1 20.5	21.2
302963 2003 UD_{224}	16.8	X	180.84303	6.77752	358.87292	4.39923	0.1655012	0.24601031	2.5225155	21	3 5.5	20.9
302964 2003 US_{239}	17.9	X	119.95753	41.71282	359.45205	3.49584	0.1706044	0.24306508	2.5428515	21	2 16.3	21.2
302965 2003 UT_{240}	17.5	X	62.49486	111.80636	324.69023	3.35256	0.2315947	0.23623710	2.5916159	21	1 11.4	19.5
302966 2003 UF_{241}	16.9	X	148.81426	27.67307	1.84300	4.05374	0.0721123	0.24425095	2.5346143	21	2 22.6	20.4
302967 2003 UU_{248}	17.6	X	90.21473	68.35343	333.51228	3.73503	0.2301649	0.23839020	2.5759877	21	1 16.3	20.2
302968 2003 UD_{269}	17.4	X	143.29725	153.50708	248.61162	1.91484	0.2512792	0.24504115	2.5291623	21	3 21.2	21.4
302969 2003 UT_{283}	17.0	X	89.36283	1.05414	36.31612	8.64382	0.1979666	0.23547801	2.5971826	21	1 4.5	19.9
302970 2003 UL_{302}	17.2	X	198.93946	44.83082	249.85694	4.33548	0.2225423	0.24352045	2.5396805	21	—	—
302971 2003 UT_{302}	16.7	X	315.90612	42.37982	229.73905	5.59744	0.1697675	0.25747496	2.4470681	21	3 20.1	19.7
302972 2003 UO_{304}	16.4	X	169.93260	359.85612	62.31197	9.88649	0.0811255	0.25442237	2.4666026	21	5 1.5	19.9
302973 2003 UW_{314}	16.2	X	163.15383	247.60757	132.34285	14.31220	0.1422794	0.24495815	2.5297336	21	3 7.2	20.1
302974 2003 UF_{315}	17.2	X	224.77971	120.94685	248.59679	18.49625	0.0955430	0.36246805	1.9481523	21	4 4.6	20.1
302975 2003 UH_{317}	17.0	X	73.88640	205.58978	1.61402	6.08882	0.0750495	0.26530346	2.3986899	21	7 16.3	19.9
302976 2003 UK_{317}	17.6	X	266.63977	178.48653	118.08088	2.36401	0.1822798	0.25479416	2.4642025	21	2 24.6	21.5
302977 2003 UO_{327}	17.6	X	282.47925	77.79374	202.06941	13.73894	0.1217333	0.25637560	2.4540586	21	2 21.7	21.3
302978 2003 UO_{336}	17.8	X	354.68758	93.33418	177.33361	2.29294	0.0344602	0.26262288	2.4149845	21	6 8.6	20.5
302979 2003 UK_{339}	16.1	X	22.42540	329.28499	229.70223	13.92029	0.0608020	0.25284400	2.4768571	21	4 6.4	19.0
302980 2003 UO_{357}	16.4	X	283.20582	202.69258	29.92468	5.64313	0.2231087	0.24314463	2.5422969	21	—	—
302981 2003 UK_{374}	16.7	X	132.95490	232.37809	193.15294	23.90035	0.0812190	0.25212910	2.4815369	21	3 19.6	20.1
302982 2003 UA_{376}	17.7	X	147.29428	159.94060	279.91370	1.20561	0.1805156	0.25394579	2.4696877	21	5 5.3	21.6
302983 2003 US_{376}	17.6	X	178.11927	171.12018	254.76317	0.65417	0.1765624	0.25669918	2.4519958	21	5 16.3	21.3
302984 2003 UB_{382}	17.5	X	275.17498	229.73863	47.24305	6.67881	0.0963639	0.25126172	2.4872446	21	2 20.6	21.0
302985 2003 VB_{4}	17.3	X	128.85214	51.19213	16.34134	7.17709	0.2477209	0.24516946	2.5282798	21	4 8.8	21.1
302986 2003 VL_{12}	15.7	X	147.72654	103.38758	275.56934	14.70002	0.0941771	0.24232943	2.5479952	21	2 4.6	19.6
302987 2003 WD_{2}	16.2	X	204.58796	36.65987	311.33704	1.04667	0.1148227	0.24702453	2.5156062	21	3 3.7	20.0
302988 2003 WH_{2}	16.8	X	190.85669	65.07181	278.87508	2.03707	0.0856173	0.24405840	2.5359472	21	2 11.8	20.5
302989 2003 WL_{3}	17.0	X	175.56220	262.34201	105.72348	2.96268	0.2217574	0.24611308	2.5218132	21	3 7.3	21.1
302990 2003 WQ_{22}	17.1	X	117.28190	155.09491	261.88694	16.82524	0.2860721	0.24269325	2.5454481	21	3 10.9	21.2
302991 2003 WV_{23}	16.5	X	73.98645	41.86030	67.79195	16.87522	0.0946741	0.24223366	2.5486667	21	3 12.9	19.9
302992 2003 WH_{26}	16.0	X	160.28167	256.35198	71.86280	28.40984	0.4140060	0.23941859	2.5686059	21	1 21.0	21.1
302993 2003 WH_{29}	16.2	X	356.82401	203.31258	271.68997	7.65300	0.1134489	0.23083551	2.6318894	21	—	—
302994 2003 WR_{33}	16.1	X	93.60993	216.87913	256.66520	14.25580	0.0802283	0.24473936	2.5312410	21	3 27.5	19.6
302995 2003 WV_{34}	16.2	X	58.25031	254.36363	249.66989	13.96480	0.1245839	0.24350236	2.5398064	21	3 21.1	19.3
302996 2003 WP_{42}	16.8	X	103.15864	229.58654	208.37875	26.13977	0.1627660	0.24253683	2.5465425	21	3 7.7	20.5
302997 2003 WE_{47}	16.7	X	157.09396	322.76239	20.74507	5.42889	0.1206228	0.23960180	2.5672963	21	1 11.6	20.4
302998 2003 WE_{52}	15.9	X	237.22772	30.52297	257.64765	12.53063	0.1201597	0.24105537	2.5569653	21	1 19.3	20.0
302999 2003 WN_{59}	17.1	X	154.86145	277.99328	76.74877	4.69768	0.2152429	0.24112131	2.5564991	21	2 1.6	21.1
303000 2003 WN_{60}	16.3	X	65.98587	147.44601	246.78897	8.26378	0.1251134	0.23017537	2.6369191	21	—	—
303001 2003 WQ_{61}	17.2	X	59.00011	210.56804	231.94865	3.83073	0.1101133	0.23592357	2.5939115	21	1 2.2	20.0
303002 2003 WE_{65}	16.6	X	66.94993	24.25751	67.33315	10.40743	0.0856261	0.23816061	2.5776429	21	1 28.3	19.7
303003 2003 WQ_{70}	17.1	X	141.26512	149.35027	231.89819	12.55219	0.1350807	0.24361645	2.5390133	21	2 5.0	21.0
303004 2003 WG_{72}	16.2	X	192.93943	10.29530	350.51203	4.87557	0.1158555	0.24565664	2.5249360	21	3 8.7	19.9
303005 2003 WO_{81}	15.7	X	155.92896	297.52704	82.79265	13.94286	0.3255938	0.23980221	2.5658658	21	3 19.3	20.5
303006 2003 WZ_{88}	16.6	X	178.19199	21.50240	96.66494	3.13980	0.1289621	0.25867832	2.4394731	21	7 23.7	20.4
303007 2003 WT_{91}	17.1	X	110.03072	6.38282	77.00828	5.73746	0.2104537	0.24354183	2.5395319	21	4 7.6	20.6
303008 2003 WV_{102}	16.1	X	137.67854	51.76830	347.79387	14.84525	0.1330485	0.24310101	2.5426009	21	3 2.3	19.6
303009 2003 WF_{105}	16.6	X	24.53694	78.00039	63.76277	5.32535	0.1664362	0.23641294	2.5903308	21	1 23.1	19.1
303010 2003 WJ_{115}	16.9	X	92.80340	71.69969	41.77880	4.32823	0.1768240	0.24371541	2.5383260	21	4 18.2	19.9
303011 2003 WR_{119}	15.7	X	195.24038	85.20861	265.82463	11.82074	0.1359074	0.24392676	2.5368595	21	2 21.7	20.0
303012 2003 WZ_{121}	16.0	X	183.80937	299.06443	54.41166	8.14388	0.1834715	0.24193098	2.5507921	21	2 26.1	20.3
303013 2003 WC_{125}	16.9	X	156.82879	116.39109	275.54279	10.55249	0.3314679	0.24490472	2.5301015	21	3 20.9	21.6
303014 2003 WH_{126}	16.5	X	77.54708	15.72358	44.02502	6.36819	0.3268245	0.23419826	2.6066353	21	2 7.8	19.0
303015 2003 WC_{127}	15.5	X	181.07234	296.91930	75.38883	14.05575	0.2068599	0.24402649	2.5361683	21	3 23.0	20.0
303016 2003 WM_{132}	16.3	X	172.46756	116.38168	240.33836	7.88590	0.0407572	0.24052103	2.5607510	21	2 2.1	20.0
303017 2003 WS_{147}	16.6	X	188.42017	225.38314	103.43663	9.61789	0.2991983	0.24346067	2.5400962	21	2 2.4	21.2
303018 2003 WB_{151}	16.1	X	124.24648	339.31059	81.05368	15.56785	0.1001925	0.24326256	2.5414751	21	3 16.3	19.9
303019 2003 WH_{156}	16.5	X	138.77146	211.58109	188.54882	13.40428	0.1703835	0.24214679	2.5492763	21	3 5.5	20.4
303020 2003 WH_{175}	17.2	X	159.95043	88.47028	253.24616	3.33356	0.0917558	0.23800409	2.5787729	21	1 8.2	20.7
303021 2003 WK_{178}	17.6	X	198.88175	89.69735	206.87087	4.15527	0.1481435	0.24128582	2.5553370	21	—	—
303022 2003 WD_{192}	17.2	X	163.69414	163.32331	220.69877	8.97415	0.2123491	0.24600014	2.5225850	21	3 11.8	21.4
303023 2003 XC	15.4	X	162.83007	326.08417	65.00167	27.82092	0.2905796	0.24192215	2.5508542	21	4 12.1	20.4
303024 2003 XV_{2}	17.0	X	139.59462	223.83261	189.87602	3.15790	0.2195144	0.24456646	2.5324339	21	3 30.2	20.8
303025 2003 XB_{3}	16.7	X	141.68870	244.47389	147.96626	4.72971	0.1997635	0.24231236	2.5481149	21	3 4.7	20.6
303026 2003 XO_{3}	16.0	X	49.90551	185.29893	236.62761	14.06225	0.1931273	0.23065169	2.6332876	21	—	—
303027 2003 XL_{19}	16.4	X	91.78228	47.30265	43.94597	13.92965	0.2221582	0.23787635	2.5796960	21	3 30.9	19.7
303028 2003 YR_{6}	16.5	X	80.45412	87.47106	6.16611	2.97612	0.2139322	0.23665675	2.5885514	21	3 10.1	19.2
303029 2003 YV_{9}	17.0	X	105.41366	167.32002	268.18250	4.82408	0.2065363	0.24004754	2.5641172	21	3 16.8	20.5
303030 2003 YV_{11}	16.0	X	74.91719	95.67398	351.91152	8.11237	0.1590470	0.23584586	2.5944813	21	2 13.6	18.8
303031 2003 YF_{13}	16.0	X	178.57238	343.80312	40.80932	3.88609	0.2912946	0.24528834	2.5274629	21	4 1.0	20.5
303032 2003 YK_{19}	16.8	X	172.26685	257.11914	80.58140	2.54563	0.1326912	0.23846724	2.5754329	21	1 21.0	20.6
303033 2003 YX_{20}	16.5	X	141.80754	71.38029	304.50111	4.03689	0.2361383	0.23682110	2.5873536	21	2 15.6	20.4
303034 2003 YY_{22}	17.1	X	89.35757	2.91183	91.93557	6.75232	0.2226113	0.24047982	2.5610435	21	3 29.9	20.3
303035 2003 YS_{30}	16.6	X	22.75982	51.88491	74.22311	13.22695	0.2473686	0.23222062	2.6214135	21	—	—
303036 2003 YR_{31}	17.4	X	66.84285	24.64044	70.00228	4.16454	0.2261767	0.23609953	2.5926226	21	2 18.1	19.8
303037 2003 YH_{35}	16.8	X	70.76811	195.08091	256.67086	1.86571	0.0897499	0.23678297	2.5876313	21	1 31.9	19.8
303038 2003 YD_{36}	16.2	X	85.11352	135.88233	302.36525	4.22105	0.1676992	0.23531452	2.5983854	21	2 15.8	19.0
303039 2003 YR_{38}	17.2	X	132.43153	138.42583	229.72450	3.65898	0.0481358	0.23671121	2.5881543	21	1 2.9	20.7
303040 2003 YA_{46}	16.2	X	36.49121	149.41120	15.51067	7.49884	0.1527338	0.24106438	2.5569017	21	3 21.9	18.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
303041 2003 YU_{56}	16.9	X	118.92018	325.09840	104.93077	7.04566	0.2235658	0.24241303	2.5474093	21	4 3.2	20.6
303042 2003 YQ_{59}	16.6	X	199.44562	22.93488	325.47642	2.12808	0.0770244	0.24357656	2.5392905	21	2 26.7	20.1
303043 2003 YG_{62}	16.2	X	140.70548	102.42224	284.77469	5.92382	0.2020769	0.23842330	2.5757493	21	2 22.9	20.2
303044 2003 YK_{62}	16.5	X	35.83865	27.68441	114.45078	3.94938	0.0935974	0.23532801	2.5982861	21	2 15.1	19.2
303045 2003 YL_{72}	16.2	X	124.68915	92.44528	338.14996	3.16859	0.1086730	0.24263706	2.5458411	21	3 21.8	19.6
303046 2003 YN_{77}	15.9	X	73.72837	4.69916	93.04747	18.05323	0.1699727	0.23645958	2.5899901	21	3 5.3	19.1
303047 2003 YV_{80}	16.3	X	9.27606	41.90571	93.76787	10.60136	0.0891986	0.22933877	2.6433281	21	—	—
303048 2003 YA_{90}	16.7	X	139.57611	58.46132	318.67188	5.05095	0.3338102	0.23787883	2.5796782	21	2 24.2	21.1
303049 2003 YM_{93}	15.8	X	211.16710	150.53125	69.88343	12.46890	0.1147083	0.22088380	2.7103589	21	12 30.9	19.9
303050 2003 YH_{102}	16.1	X	359.49813	343.67393	119.07103	9.95529	0.2290497	0.22489179	2.6780601	21	—	—
303051 2003 YF_{103}	15.6	X	3.43092	242.74421	265.51911	11.80747	0.2061699	0.22665309	2.6641681	21	—	—
303052 2003 YC_{106}	16.1	X	145.02588	303.96776	79.48691	6.25025	0.1518104	0.23848161	2.5753294	21	2 22.5	19.9
303053 2003 YZ_{107}	16.7	X	117.55031	329.43948	68.60211	12.85187	0.1886097	0.23614534	2.5922873	21	2 17.7	20.5
303054 2003 YM_{110}	16.5	X	24.76748	347.66876	117.07973	14.68978	0.2030623	0.22851154	2.6497036	21	—	—
303055 2003 YN_{111}	15.7	X	64.56150	154.12623	265.40368	21.21928	0.0339108	0.23282423	2.6168808	21	—	—
303056 2003 YB_{116}	17.0	X	52.10808	44.44250	71.75008	6.42928	0.2054800	0.23469197	2.6029784	21	2 17.4	19.3
303057 2003 YP_{116}	16.3	X	34.97474	322.73456	78.29893	7.43192	0.0775306	0.22226609	2.6991099	21	—	—
303058 2003 YF_{126}	16.0	X	160.29010	19.83834	338.69684	7.31079	0.2961150	0.24129257	2.5552893	21	2 16.5	20.2
303059 2003 YH_{130}	15.2	X	264.60765	85.76967	99.70405	12.59546	0.2316394	0.21481191	2.7611954	21	—	—
303060 2003 YK_{131}	17.0	X	113.20639	50.42163	25.55727	8.11852	0.1662493	0.24130991	2.5551669	21	3 25.8	20.5
303061 2003 YL_{134}	16.3	X	25.66835	93.45329	37.46096	9.24094	0.0653959	0.23178813	2.6246733	21	1 17.5	19.6
303062 2003 YE_{135}	16.6	X	63.87234	80.79562	27.17806	7.98577	0.1495418	0.23428359	2.6060024	21	2 23.6	19.5
303063 2003 YL_{141}	16.5	X	30.09474	6.74296	45.77990	12.39404	0.1609197	0.22479549	2.6788248	21	—	—
303064 2003 YW_{144}	16.6	X	92.66672	350.62658	74.07524	14.67038	0.1568261	0.23443941	2.6048475	21	2 14.4	20.0
303065 2003 YR_{145}	16.3	X	52.15089	7.28110	81.18302	14.88619	0.1565437	0.22970456	2.6405211	21	1 2.7	19.0
303066 2003 YB_{151}	16.0	X	341.00630	168.65212	2.72989	12.84569	0.1610345	0.22893550	2.6464313	21	—	—
303067 2003 YD_{151}	15.9	X	102.23712	2.85785	56.92246	14.91665	0.1349351	0.23446029	2.6046928	21	2 20.2	19.5
303068 2003 YM_{151}	16.2	X	17.77736	87.33648	48.88578	13.90634	0.1123225	0.23086549	2.6316616	21	1 8.4	19.4
303069 2003 YU_{152}	15.9	X	63.68857	84.67435	1.91987	13.88139	0.1639344	0.23124170	2.6288064	21	1 28.2	18.9
303070 2003 YE_{154}	16.2	X	31.11271	105.39833	62.01125	14.03820	0.2289674	0.23552351	2.5968480	21	3 26.5	18.6
303071 2003 YR_{154}	15.8	X	90.56938	49.93965	46.02601	11.45696	0.2490216	0.23644740	2.5900790	21	4 7.1	19.1
303072 2003 YZ_{154}	15.6	X	3.87482	101.22035	44.52555	15.99151	0.1701795	0.23132219	2.6281966	21	—	—
303073 2003 YB_{155}	16.2	X	53.85067	131.93130	357.53586	13.12389	0.1851965	0.23623034	2.5916654	21	3 8.9	18.5
303074 2003 YP_{158}	16.1	X	111.10990	57.91345	45.29504	14.67374	0.0690567	0.24587891	2.5234141	21	4 15.3	19.5
303075 2003 YY_{167}	16.3	X	113.16785	20.33147	59.64694	9.50227	0.1162977	0.24184269	2.5514128	21	3 26.7	19.8
303076 2003 YE_{175}	17.1	X	343.01027	125.45704	40.93904	2.30216	0.0356865	0.23016031	2.6370342	21	1 4.8	20.6
303077 2003 YK_{175}	16.1	X	199.62570	114.31732	105.27785	8.91741	0.0408131	0.21595376	2.7514537	21	12 24.7	19.9
303078 2003 YY_{175}	15.6	X	134.43352	353.18923	42.77631	15.69545	0.1594462	0.23962748	2.5671129	21	3 5.3	19.6
303079 2004 AB	16.0	X	326.61099	2.18230	196.60770	15.40783	0.4326053	0.22329344	2.6908247	21	—	—
303080 2004 AU_{1}	16.2	X	43.46863	325.65704	152.91301	12.76217	0.1278497	0.23572371	2.5953775	21	1 24.9	19.1
303081 2004 AC_{3}	15.8	X	15.20396	356.41248	65.31724	18.36336	0.0679902	0.22158947	2.7046016	21	—	—
303082 2004 AY_{7}	17.0	X	113.62911	72.24773	5.23467	5.89005	0.3233305	0.23986288	2.5654331	21	4 14.6	21.0
303083 2004 AT_{16}	16.6	X	127.47685	344.31950	340.03965	0.62047	0.0549753	0.22226098	2.6991513	21	—	—
303084 2004 AU_{21}	16.5	X	226.16547	154.02893	97.21870	1.52210	0.0746632	0.22453614	2.6808873	21	—	—
303085 2004 BN_{1}	17.2	X	345.58591	21.21348	149.18298	4.55114	0.0843798	0.22988438	2.6391439	21	1 6.3	20.4
303086 2004 BZ_{8}	15.7	X	80.40691	286.59972	67.95902	15.24611	0.0151052	0.21909271	2.7251104	21	—	—
303087 2004 BG_{9}	16.2	X	39.42401	357.00640	82.64036	13.79691	0.1552443	0.22631373	2.6668307	21	—	—
303088 2004 BH_{12}	17.0	X	73.07308	23.35152	58.16236	2.40758	0.0940524	0.23128015	2.6285151	21	1 24.9	20.1
303089 2004 BL_{15}	15.9	X	121.94397	255.86445	120.62946	17.10208	0.2006717	0.23206763	2.6225654	21	1 23.8	19.5
303090 2004 BE_{17}	16.4	X	91.08606	337.93781	65.05254	15.37581	0.2723860	0.23127648	2.6285429	21	1 31.9	19.7
303091 2004 BQ_{23}	16.0	X	322.10994	239.88616	282.40711	10.82469	0.1334517	0.22506526	2.6766838	21	—	—
303092 2004 BU_{23}	17.0	X	72.38376	306.45472	92.65402	6.85363	0.2667512	0.23176958	2.6248134	21	—	—
303093 2004 BO_{32}	16.4	X	209.16051	227.29665	27.23773	2.82397	0.0298305	0.22225449	2.6992039	21	—	—
303094 2004 BU_{34}	16.5	X	106.99562	286.98264	97.33261	4.22864	0.1209752	0.22880375	2.6474471	21	1 3.3	19.8
303095 2004 BN_{43}	15.8	X	335.57429	185.87104	324.37681	12.46848	0.1359460	0.22342472	2.6897705	21	—	—
303096 2004 BB_{54}	16.4	X	68.72866	259.05479	113.98179	7.39467	0.0442970	0.21958889	2.7210038	21	—	—
303097 2004 BL_{58}	15.9	X	146.96628	158.30626	233.43638	5.41451	0.2920785	0.23913090	2.5706656	21	3 14.4	20.3
303098 2004 BJ_{60}	16.1	X	103.35259	92.19039	297.02551	12.55022	0.0107096	0.22855493	2.6493682	21	—	—
303099 2004 BV_{75}	16.0	X	33.01364	147.48334	329.55574	13.30697	0.2029775	0.22902901	2.6457109	21	1 7.2	18.5
303100 2004 BK_{84}	16.1	X	322.37010	294.83967	224.17572	12.11730	0.2077202	0.22283028	2.6945521	21	—	—
303101 2004 BW_{92}	16.0	X	286.28878	306.90644	257.48661	10.47890	0.1991111	0.22257785	2.6965890	21	—	—
303102 2004 BJ_{96}	16.7	X	182.10506	181.21030	223.30672	1.29774	0.2431904	0.24592435	2.5231033	21	4 25.1	21.1
303103 2004 BR_{107}	16.0	X	251.85741	200.88493	350.23561	12.80070	0.1282390	0.21607322	2.7504394	21	—	—
303104 2004 BZ_{107}	16.3	X	12.15308	159.70231	330.28433	11.18938	0.2015006	0.22760517	2.6567334	21	—	—
303105 2004 BK_{117}	16.2	X	12.59111	134.01309	347.24076	12.62067	0.2127559	0.22665063	2.6641874	21	—	—
303106 2004 BR_{120}	16.2	X	54.75162	70.25711	38.28789	10.05425	0.1063969	0.23160200	2.6260794	21	2 5.7	19.3
303107 2004 BD_{121}	16.3	X	78.11248	56.54222	25.47800	15.21464	0.2249124	0.23250676	2.6192623	21	2 28.3	19.4
303108 2004 BQ_{137}	17.6	X	352.01793	33.17844	89.00273	3.60413	0.1063245	0.22429704	2.6827921	21	—	—
303109 2004 BR_{143}	17.3	X	11.59816	46.34899	0.81458	1.24759	0.0672688	0.21661894	2.7458181	21	—	—
303110 2004 BE_{144}	17.1	X	75.20018	262.59261	102.73341	3.55955	0.1009313	0.22017359	2.7161843	21	—	—
303111 2004 BF_{151}	16.1	X	82.42817	156.28988	276.16721	12.46054	0.1339633	0.23286961	2.6165407	21	1 27.9	19.2
303112 2004 BA_{153}	16.9	X	138.20702	268.02830	97.67588	4.77129	0.1725027	0.23215647	2.6218963	21	1 25.5	20.7
303113 2004 BD_{162}	16.2	X	67.55577	199.47195	245.33668	12.41412	0.2083968	0.23090762	2.6313414	21	1 27.9	19.0
303114 2004 CA_{1}	16.5	X	69.18346	102.12010	3.26016	28.94544	0.3394278	0.23438292	2.6052660	21	3 26.9	19.1
303115 2004 CB_{2}	15.8	X	291.10223	230.97645	276.74363	6.78794	0.1573702	0.21585642	2.7522808	21	—	—
303116 2004 CE_{5}	16.1	X	265.69535	97.85806	83.59335	5.51054	0.0776433	0.21740516	2.7391941	21	—	—
303117 2004 CK_{16}	17.1	X	58.93256	323.30276	132.54326	3.46829	0.1102784	0.22937345	2.6430616	21	1 22.6	20.0
303118 2004 CF_{20}	17.0	X	194.92487	185.74502	102.59720	4.86106	0.0744150	0.22411365	2.6842554	21	—	—
303119 2004 CE_{30}	16.8	X	320.59997	141.93685	314.32464	4.37350	0.0109749	0.21515129	2.7582909	21	12 26.4	20.5
303120 2004 CN_{40}	16.4	X	25.41136	124.30908	329.18436	14.68953	0.1637661	0.22442509	2.6817715	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
303121 2004 CQ_{43}	16.4	X	93.57681	333.03033	337.67222	2.67636	0.0728308	0.20865997	2.8152046	21	12 16.9	20.5
303122 2004 CF_{45}	16.6	X	339.49972	63.17613	46.04992	6.59151	0.1016542	0.21948294	2.7218794	21	—	—
303123 2004 CC_{56}	16.7	X	160.54940	210.00204	38.09206	4.99944	0.0223524	0.21191233	2.7863258	21	12 14.1	20.6
303124 2004 CT_{58}	16.5	X	125.15066	39.26030	13.44069	4.67043	0.2744992	0.23822275	2.5771947	21	3 22.1	20.4
303125 2004 CR_{62}	15.8	X	287.96606	107.79106	14.39778	13.10430	0.0641113	0.21209719	2.7847066	21	12 8.9	19.6
303126 2004 CP_{71}	16.4	X	77.27300	143.31584	275.67326	12.91594	0.2525720	0.22940175	2.6428443	21	1 19.9	19.0
303127 2004 CL_{76}	16.4	X	58.86207	272.85761	153.68195	12.71787	0.1595310	0.22630933	2.6668653	21	—	—
303128 2004 CH_{83}	16.6	X	308.90759	144.28343	333.04653	2.72996	0.2204275	0.21603414	2.7507711	21	12 28.8	19.1
303129 2004 CF_{89}	16.8	X	101.77150	298.97664	98.02877	5.83650	0.2626326	0.23179286	2.6246376	21	2 3.8	20.1
303130 2004 CS_{91}	16.2	X	331.20433	325.04925	183.95722	8.48909	0.1839694	0.22229428	2.6988818	21	—	—
303131 2004 CF_{92}	16.8	X	33.03527	207.46650	240.36762	5.48541	0.2291645	0.22573482	2.6713883	21	—	—
303132 2004 CU_{92}	16.4	X	356.04524	219.42629	292.89377	5.50318	0.1580859	0.22547036	2.6734767	21	—	—
303133 2004 CG_{102}	16.2	X	326.00893	342.64668	178.53937	14.29229	0.0782904	0.22337342	2.6901823	21	—	—
303134 2004 CU_{107}	16.8	X	268.56597	232.19768	327.85891	7.04452	0.1572856	0.21819381	2.7325898	21	—	—
303135 2004 CJ_{111}	16.9	X	344.75618	306.01279	189.87854	2.99966	0.0521176	0.22211652	2.7003215	21	—	—
303136 2004 CV_{112}	16.0	X	69.91987	348.95477	104.89324	13.84784	0.1317388	0.23292145	2.6161525	21	2 11.4	19.0
303137 2004 CW_{112}	16.2	X	41.23344	351.98925	103.88733	12.51105	0.1058242	0.22825525	2.6516866	21	—	—
303138 2004 CX_{130}	16.4	X	260.89210	355.04210	173.92620	9.08353	0.1073857	0.21333987	2.7738823	21	12 27.4	20.1
303139 2004 DM_{10}	16.3	X	335.07040	318.72020	169.03627	9.11853	0.1197930	0.22016761	2.7162335	21	—	—
303140 2004 DA_{15}	16.3	X	291.96616	305.25330	216.70080	12.39270	0.1413335	0.21773921	2.7363918	21	—	—
303141 2004 DU_{23}	16.6	X	2.82472	279.96726	239.56392	10.32891	0.2331889	0.22816568	2.6523805	21	—	—
303142 2004 DU_{24}	15.9	X	122.91869	24.05041	45.69004	3.89918	0.4733716	0.23909124	2.5709498	21	4 27.8	20.4
303143 2004 DE_{41}	16.0	X	248.82614	176.04005	11.86891	11.23251	0.0892010	0.21208028	2.7848546	21	—	—
303144 2004 DN_{41}	15.5	X	338.86685	118.13642	3.31417	24.45995	0.0938337	0.21720886	2.7408442	21	—	—
303145 2004 DB_{46}	17.0	X	62.00385	136.16300	333.28947	3.71924	0.1831601	0.23192279	2.6236573	21	2 22.9	19.6
303146 2004 DH_{52}	16.2	X	322.48295	56.32190	78.26667	4.44888	0.1412953	0.21746423	2.7386981	21	—	—
303147 2004 DD_{57}	16.9	X	13.73785	185.10950	223.43820	2.72854	0.0885795	0.21459332	2.7630702	21	—	—
303148 2004 DD_{69}	15.9	X	120.98130	293.77859	338.27035	8.12442	0.1265148	0.20888621	2.8131715	21	12 1.2	20.5
303149 2004 DY_{70}	16.6	X	269.51922	323.68737	171.46583	4.94557	0.0620707	0.20889782	2.8130673	21	12 2.8	20.3
303150 2004 DB_{77}	16.7	X	54.77442	275.09751	163.68768	13.03443	0.2465795	0.22837762	2.6507393	21	—	—
303151 2004 EL_{2}	16.1	X	274.26587	185.98543	335.51436	8.41708	0.0796479	0.21327564	2.7744392	21	—	—
303152 2004 EQ_{5}	15.7	X	226.94493	6.43074	163.75243	15.66211	0.0711886	0.20627641	2.8368498	21	11 23.7	20.0
303153 2004 EA_{20}	16.1	X	353.25068	358.08842	140.78298	8.75655	0.2053245	0.22173832	2.7033911	21	—	—
303154 2004 EG_{24}	16.3	X	38.52805	10.99593	108.06180	6.23163	0.2248251	0.22785268	2.6548091	21	1 20.9	18.3
303155 2004 EX_{29}	17.0	X	18.71089	245.98248	156.25284	3.55249	0.1068562	0.21140276	2.7908015	21	—	—
303156 2004 EE_{34}	16.3	X	275.21228	174.42463	339.35777	4.59821	0.1089172	0.21192936	2.7861766	21	12 28.4	19.8
303157 2004 EA_{44}	16.6	X	5.21836	230.77186	223.25369	2.91744	0.2655143	0.22010936	2.7167126	21	—	—
303158 2004 EJ_{45}	16.2	X	39.50642	43.98344	355.84612	6.21190	0.0327518	0.21360923	2.7715499	21	—	—
303159 2004 EX_{56}	15.5	X	271.97563	298.31747	244.46104	15.96310	0.1169305	0.21618368	2.7495024	21	—	—
303160 2004 ET_{57}	16.4	X	348.03757	208.23760	293.34371	11.53638	0.1756771	0.22171918	2.7035467	21	—	—
303161 2004 EG_{60}	16.3	X	319.29095	195.38650	346.34658	6.59712	0.2818413	0.22062748	2.7124577	21	—	—
303162 2004 EM_{61}	16.8	X	293.89281	348.64769	180.23602	4.93291	0.0974485	0.21695445	2.7429865	21	—	—
303163 2004 EL_{68}	16.4	X	11.64561	299.63370	168.93251	3.64976	0.1551379	0.22318660	2.6916834	21	—	—
303164 2004 EK_{76}	16.7	X	317.71328	345.17472	140.92524	4.13276	0.1284529	0.21512131	2.7585473	21	—	—
303165 2004 EU_{78}	16.1	X	308.21413	139.11662	10.07869	12.56910	0.1137007	0.21660406	2.7459439	21	—	—
303166 2004 EN_{79}	16.2	X	247.73757	141.73900	60.82473	2.77580	0.1749845	0.21147289	2.7901845	21	—	—
303167 2004 EE_{86}	16.1	X	331.66139	98.01966	22.46476	13.08430	0.0671359	0.21559576	2.7544987	21	—	—
303168 2004 EO_{86}	16.6	X	41.46443	30.85980	72.15887	5.65227	0.1357762	0.22554407	2.6728943	21	1 4.3	19.4
303169 2004 EL_{87}	16.7	X	319.97261	87.80886	18.14893	2.36940	0.0298904	0.21189506	2.7864772	21	—	—
303170 2004 EY_{90}	16.1	X	71.70449	198.63497	164.71143	16.43665	0.1180910	0.21304491	2.7764420	21	—	—
303171 2004 EX_{103}	16.2	X	342.86875	102.59565	44.19521	13.68096	0.1295744	0.22128315	2.7070970	21	—	—
303172 2004 EW_{108}	16.8	X	115.32048	262.12564	349.10807	5.64843	0.1194650	0.19951789	2.9005576	21	10 29.9	21.4
303173 2004 FD_{9}	15.9	X	21.36787	79.10099	31.93410	13.15160	0.2345405	0.22289554	2.6940261	21	—	—
303174 2004 FH_{11}	16.6	X	8.40729	88.07813	203.56325	21.38214	0.4467404	0.29092258	2.2557161	21	10 7.3	17.5
303175 2004 FA_{25}	16.5	X	337.46512	29.26744	64.07256	4.34540	0.0621706	0.21302147	2.7766456	21	—	—
303176 2004 FJ_{26}	16.2	X	318.66994	132.25820	3.17904	9.26215	0.0543367	0.21500474	2.7595442	21	—	—
303177 2004 FW_{31}	16.0	X	278.25956	118.23657	353.46940	8.87771	0.0873703	0.20451809	2.8530862	21	11 6.6	19.8
303178 2004 FY_{34}	16.0	X	9.04733	128.15285	317.88774	4.71212	0.0344123	0.21545013	2.7557398	21	—	—
303179 2004 FJ_{37}	16.0	X	272.84951	70.70212	47.00406	2.71493	0.0167489	0.20522303	2.8465489	21	11 19.4	19.9
303180 2004 FU_{53}	16.7	X	58.06800	19.28400	22.56516	6.26327	0.0272147	0.21698511	2.7427281	21	—	—
303181 2004 FN_{63}	16.2	X	340.90418	119.61491	24.25003	13.40393	0.1461484	0.21929446	2.7234388	21	—	—
303182 2004 FB_{75}	17.0	X	67.75556	210.48905	161.95323	3.91401	0.1063558	0.21384066	2.7695499	21	—	—
303183 2004 FZ_{75}	16.6	X	0.99185	100.20842	343.54174	2.47805	0.0503805	0.21347306	2.7727284	21	—	—
303184 2004 FS_{83}	16.2	X	268.59543	96.59478	93.55773	9.24679	0.1435221	0.21676081	2.7446199	21	—	—
303185 2004 FQ_{90}	15.4	X	331.14100	265.54923	249.63327	23.61760	0.1633100	0.22072503	2.7116585	21	—	—
303186 2004 FG_{95}	16.2	X	59.49390	69.03325	52.13282	13.38764	0.2845272	0.23184623	2.6242348	21	3 30.4	18.8
303187 2004 FQ_{103}	16.3	X	283.91712	121.37365	47.07117	7.77872	0.2011882	0.21600345	2.7510317	21	—	—
303188 2004 FL_{115}	17.7	X	127.79033	3.30520	289.62795	2.32863	0.1295788	0.32092177	2.1128562	21	—	—
303189 2004 FB_{120}	16.7	X	31.84476	247.00723	164.34889	5.18079	0.0947350	0.21477825	2.7614839	21	—	—
303190 2004 FS_{120}	15.8	X	188.91229	94.83554	101.74428	10.40902	0.0804573	0.20166001	2.8799804	21	11 12.2	20.2
303191 2004 FJ_{136}	15.0	X	328.33150	242.89033	80.85135	17.54360	0.2312060	0.17905091	3.1175855	21	6 21.6	18.4
303192 2004 FE_{146}	16.5	X	78.04938	86.75354	150.75579	7.70028	0.1875335	0.18751819	3.0230160	21	9 13.4	20.8
303193 2004 FO_{148}	15.8	X	281.45625	129.63679	64.48892	16.33989	0.2360528	0.21687993	2.7436148	21	—	—
303194 2004 FF_{150}	16.3	X	56.65330	240.29662	338.87374	4.14694	0.1427063	0.18374551	3.0642549	21	7 16.3	20.2
303195 2004 GB_{15}	15.8	X	2.28091	248.72309	277.81347	9.45232	0.2914503	0.22588440	2.6702088	21	—	—
303196 2004 GN_{18}	15.6	X	332.28521	76.72192	54.04334	21.11298	0.3136211	0.21853971	2.7297056	21	—	—
303197 2004 GB_{29}	15.9	X	21.76438	74.96114	200.16148	7.62247	0.2895565	0.18371692	3.0645728	21	8 19.9	19.0
303198 2004 GJ_{41}	15.3	X	12.02897	42.46173	243.72084	16.43167	0.2024214	0.18293077	3.0733466	21	7 29.7	18.9
303199 2004 GH_{43}	16.6	X	346.59849	106.06467	32.18281	3.57220	0.1071326	0.21997240	2.7178402	21	—	—
303200 2004 GK_{47}	16.3	X	54.83735	287.44016	29.88987	5.41520	0.1062122	0.19682519	2.9269519	21	11 11.8	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
303201 2004 GV_{50}	16.5	X	11.11704	236.28057	37.61946	5.71567	0.1978549	0.18242322	3.0790445	21	7 17.9	19.7
303202 2004 GH_{51}	16.5	X	45.92169	287.65379	44.95231	5.28800	0.1255429	0.19810181	2.9143638	21	11 22.7	20.3
303203 2004 GH_{67}	15.5	X	336.39584	239.04446	55.49096	17.74925	0.2275701	0.17820272	3.1274700	21	5 26.9	18.8
303204 2004 GV_{77}	15.8	X	299.45073	81.31844	77.62827	25.48932	0.1437393	0.21281705	2.7784235	21	—	—
303205 2004 GQ_{83}	15.0	X	4.92590	9.04076	270.86883	12.27156	0.1985988	0.18133917	3.0913034	21	7 10.3	18.2
303206 2004 HH_{7}	16.4	X	357.15598	243.30386	208.83505	4.38026	0.1283265	0.21325026	2.7746594	21	—	—
303207 2004 HH_{39}	16.5	X	238.29982	311.28364	190.67990	7.70156	0.1028138	0.20458129	2.8524986	21	10 26.5	20.5
303208 2004 HN_{46}	16.5	X	58.45515	39.16199	201.84020	4.71734	0.1188990	0.18497057	3.0507103	21	8 10.8	20.6
303209 2004 HG_{50}	16.0	X	18.32746	78.70884	64.41955	13.79454	0.2581699	0.22434684	2.6823951	21	1 6.3	18.4
303210 2004 HV_{58}	16.4	X	106.12339	163.76476	66.67579	1.68844	0.1433877	0.18994068	2.9972575	21	9 29.4	21.0
303211 2004 HZ_{63}	15.6	X	3.60462	66.12882	210.47128	26.35218	0.1826958	0.17847552	3.1242823	21	6 28.5	19.6
303212 2004 JN_{10}	15.4	X	2.95803	232.07270	75.84805	16.40217	0.3054292	0.18107743	3.0942816	21	9 4.1	18.4
303213 2004 JZ_{20}	15.9	X	220.49404	326.20177	207.25398	14.72516	0.0840638	0.20316002	2.8657869	21	11 15.9	20.1
303214 2004 JY_{21}	16.1	X	261.54400	79.11996	49.90369	10.94146	0.0407952	0.19966229	2.8991589	21	11 14.9	19.9
303215 2004 JJ_{29}	15.6	X	345.46529	86.57773	222.82974	15.12018	0.2322318	0.17879781	3.1205268	21	7 5.8	19.0
303216 2004 JV_{34}	15.6	X	347.71948	209.97245	82.75371	16.23154	0.2423283	0.17656628	3.1467642	21	6 18.5	18.5
303217 2004 JG_{49}	16.4	X	228.18477	309.27813	234.57122	16.56942	0.1124616	0.20306296	2.8666999	21	12 2.7	20.5
303218 2004 KX	15.7	X	70.06037	349.26346	258.64891	13.80002	0.1239601	0.18555048	3.0443506	21	8 30.3	20.3
303219 2004 KX_{10}	15.9	X	41.64926	167.28471	106.88654	10.04601	0.1571414	0.18464120	3.0543372	21	9 10.6	19.9
303220 2004 MM_{6}	15.2	X	356.41582	68.68259	196.38152	21.83776	0.1018923	0.17408307	3.1766182	21	6 5.3	19.5
303221 2004 NC	17.6	X	69.42239	203.04679	106.32391	6.63055	0.2199567	0.30328620	2.1939882	21	12 20.8	20.9
303222 2004 NV	17.3	X	28.91944	212.40384	127.60446	7.33687	0.1661855	0.30031969	2.2084124	21	12 7.9	19.8
303223 2004 NW_{10}	16.8	X	13.82920	352.00565	307.27779	7.97149	0.1573011	0.29207031	2.2498027	21	9 1.8	18.8
303224 2004 NZ_{29}	18.1	X	7.07970	85.39461	225.08004	3.38971	0.2167498	0.29225618	2.2488487	21	9 16.0	19.5
303225 2004 NO_{30}	15.5	X	25.85503	256.13179	47.55591	17.55451	0.1250629	0.17953802	3.1119439	21	9 25.5	19.7
303226 2004 NY_{30}	14.6	X	247.57384	287.93487	114.21909	20.53156	0.4563272	0.16340571	3.3135325	21	6 4.4	20.9
303227 2004 NM_{33}	18.1	X	29.86524	241.33946	48.51044	1.30691	0.2134342	0.29397827	2.2400578	21	10 3.0	19.9
303228 2004 OQ_{6}	17.9	X	89.04515	167.24484	113.96698	5.73513	0.1673479	0.30332424	2.1938048	21	11 30.3	21.1
303229 2004 OU_{8}	17.2	X	18.57527	60.90498	285.24213	9.92625	0.1449890	0.29967533	2.2115770	21	11 24.7	19.5
303230 2004 PZ	17.7	X	8.69067	39.77639	296.16443	3.81931	0.1601037	0.29451391	2.2373410	21	10 23.2	19.6
303231 2004 PF_{22}	17.8	X	304.58469	226.74537	131.95794	6.01797	0.2142004	0.28715398	2.2754091	21	6 30.4	20.0
303232 2004 PG_{25}	17.8	X	339.78612	47.86000	332.69019	6.03625	0.2090487	0.29502460	2.2347583	21	11 6.8	19.2
303233 2004 PD_{26}	18.9	X	4.23004	88.06241	233.40446	0.77196	0.2388847	0.29236119	2.2483102	21	10 3.7	20.0
303234 2004 PA_{34}	17.6	X	29.00748	3.27967	325.58996	3.14582	0.1901494	0.29674402	2.2261174	21	11 23.3	19.9
303235 2004 PL_{37}	17.6	X	14.05012	107.77546	237.88115	3.44807	0.2158975	0.29633887	2.2281460	21	11 29.5	19.7
303236 2004 PJ_{40}	17.1	X	331.28936	20.27752	351.42902	6.93855	0.2267343	0.29032601	2.2588051	21	9 27.1	18.1
303237 2004 PS_{41}	17.8	X	18.18326	341.05487	319.72691	3.17350	0.2039446	0.29254683	2.2473590	21	9 23.5	19.4
303238 2004 PC_{50}	15.5	X	249.20169	340.36162	327.62371	9.24396	0.1738735	0.15566119	3.4225449	21	3 4.1	21.0
303239 2004 PF_{54}	17.5	X	105.58447	23.26241	252.70954	1.87267	0.1542048	0.30282321	2.1962239	21	12 7.8	20.7
303240 2004 PP_{68}	17.9	X	319.50555	252.74086	119.19301	1.73609	0.2232723	0.29065335	2.2571088	21	8 25.6	19.0
303241 2004 PP_{86}	17.7	X	92.48667	48.15370	242.45308	2.61290	0.1021284	0.30197732	2.2003233	21	12 9.8	20.7
303242 2004 PM_{100}	17.3	X	312.95522	300.94477	39.31636	4.59579	0.1798695	0.28285291	2.2984176	21	6 23.2	19.6
303243 2004 PB_{114}	17.2	X	286.22753	92.94846	333.94313	7.60030	0.0765484	0.29434655	2.2381889	21	10 4.1	19.5
303244 2004 QQ_{4}	17.0	X	348.03474	29.12094	294.72246	6.44689	0.3019281	0.28732514	2.2745054	21	8 15.4	17.3
303245 2004 QB_{9}	17.0	X	336.96688	325.02962	28.72334	7.90079	0.1587457	0.28782107	2.2718919	21	9 16.4	18.7
303246 2004 QO_{9}	17.6	X	27.33043	305.60968	31.24040	4.06680	0.2010783	0.29721819	2.2237491	21	12 4.4	20.0
303247 2004 QE_{10}	16.9	X	232.37487	281.55923	89.25831	6.99827	0.1372569	0.27582896	2.3372732	21	4 29.7	20.4
303248 2004 QV_{16}	18.0	X	82.87879	49.24068	196.22655	28.53056	0.5741032	0.41895946	1.7688379	21	11 14.8	21.9
303249 2004 QL_{24}	16.8	X	342.01436	182.96250	167.55804	8.67108	0.2004275	0.28956611	2.2627551	21	9 21.3	18.0
303250 2004 RU_{10}	18.1	X	29.19350	65.23835	119.00421	15.90968	0.6568820	1.14660653	0.9040514	21	9 6.7	17.6
303251 2004 RW_{21}	17.5	X	276.48698	267.92195	165.13182	6.75048	0.1552128	0.29058104	2.2574832	21	9 17.6	19.7
303252 2004 RZ_{21}	18.1	X	355.87464	345.90429	343.01730	3.01174	0.1393500	0.29015981	2.2596675	21	9 13.2	19.6
303253 2004 RD_{35}	17.7	X	317.31876	221.58049	140.01359	5.57519	0.1466207	0.28771844	2.2724321	21	8 12.3	19.7
303254 2004 RE_{43}	17.8	X	320.01911	174.62249	187.33093	2.66987	0.1755128	0.28857311	2.2679431	21	8 14.0	19.3
303255 2004 RZ_{43}	17.7	X	286.46903	25.91505	330.39313	2.57637	0.1465411	0.28245765	2.3005614	21	6 9.5	20.4
303256 2004 RW_{46}	17.5	X	53.26990	348.98962	326.57136	0.57669	0.1216925	0.29760086	2.2218424	21	11 27.9	20.2
303257 2004 RO_{50}	17.1	X	299.86094	317.39672	4.77672	6.51553	0.1422609	0.28001520	2.3139199	21	5 8.9	19.8
303258 2004 RO_{56}	17.5	X	348.38149	185.99482	196.65873	3.75627	0.1359534	0.29566075	2.2315516	21	11 25.6	19.3
303259 2004 RU_{73}	17.4	X	300.48887	315.79887	70.96834	3.91430	0.1676562	0.28729899	2.2746434	21	8 18.1	19.4
303260 2004 RP_{74}	16.9	X	291.80371	296.74063	52.89510	6.72800	0.1447472	0.28073002	2.3099903	21	6 7.6	19.5
303261 2004 RV_{79}	16.9	X	346.75759	248.84756	49.69442	23.68609	0.2542495	0.28484541	2.2876868	21	6 13.6	18.6
303262 2004 RJ_{84}	18.6	X	85.44934	189.76246	342.93308	13.23249	0.3106466	0.86067784	1.0945669	21	8 11.5	17.7
303263 2004 RJ_{102}	17.4	X	106.98709	276.95446	327.70892	6.70689	0.2274434	0.29802679	2.2197250	21	10 30.9	21.1
303264 2004 RV_{105}	17.5	X	299.84041	48.16783	295.68012	5.59650	0.1734272	0.28142406	2.3061908	21	6 6.6	20.0
303265 Littmann	17.3	X	49.02643	63.32230	167.43619	6.74864	0.0566385	0.28221622	2.3018732	21	7 7.3	19.9
303266 2004 RX_{125}	17.7	X	234.98102	246.65136	186.73553	4.12389	0.1718864	0.28333859	2.2957904	21	7 19.5	21.0
303267 2004 RV_{136}	17.9	X	330.68023	317.92071	2.16207	2.04318	0.1383813	0.28402356	2.2920978	21	7 3.2	19.9
303268 2004 RT_{141}	17.3	X	32.77264	146.27505	159.21554	7.28191	0.1531769	0.29203690	2.2499743	21	10 22.6	19.7
303269 2004 RN_{155}	17.5	X	82.55425	72.99519	215.77162	5.22393	0.1917044	0.29959530	2.2119708	21	12 4.4	20.7
303270 2004 RO_{155}	17.6	X	105.08423	16.85260	264.22918	4.04759	0.1438661	0.30144689	2.2029037	21	12 13.1	20.6
303271 2004 RE_{170}	17.4	X	71.89404	160.53140	110.99316	5.47365	0.1590559	0.29473537	2.2362201	21	10 29.6	20.4
303272 2004 RF_{170}	17.6	X	281.31343	128.55515	284.12369	5.80497	0.2415295	0.28599271	2.2815644	21	8 7.2	20.1
303273 2004 RD_{172}	17.5	X	334.23752	188.73068	132.68465	4.14056	0.1216388	0.28501061	2.2868027	21	7 14.3	19.6
303274 2004 RM_{180}	17.7	X	333.45670	104.35982	209.99070	7.42097	0.1987966	0.28428214	2.2907076	21	6 20.3	19.5
303275 2004 RF_{188}	17.1	X	283.34183	205.73470	221.98595	7.74646	0.1743760	0.28861508	2.2677232	21	9 13.4	19.4
303276 2004 RA_{189}	16.8	X	324.57230	68.27588	312.46850	6.02582	0.1181863	0.28979878	2.2615439	21	9 27.9	18.9
303277 2004 RC_{190}	17.0	X	342.05611	127.62912	238.17675	5.76834	0.1402194	0.29046988	2.2580591	21	10 12.6	19.0
303278 2004 RB_{191}	17.4	X	281.81758	174.73583	237.14238	4.33569	0.1859545	0.28626309	2.2801276	21	8 16.2	19.9
303279 2004 RK_{191}	16.7	X	345.23949	40.84857	308.61669	6.16650	0.1471671	0.28853373	2.2681494	21	9 20.6	18.6
303280 2004 RH_{194}	17.4	X	325.17327	66.02515	263.27631	3.45446	0.2312670	0.28409217	2.2917287	21	6 21.1	19.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
303281 2004 RE_{231}	17.2	X	344.04061	131.49562	197.01476	4.68001	0.1833194	0.28574864	2.2828634	21	8 13.1	18.9
303282 2004 RH_{251}	17.7	X	4.16199	5.52304	318.93123	2.32289	0.1897522	0.28941456	2.2635450	21	9 29.2	19.3
303283 2004 RA_{265}	18.0	X	123.84684	185.95836	35.96249	1.58870	0.1396499	0.29400559	2.2399191	21	10 15.6	21.1
303284 2004 RJ_{294}	17.8	X	80.99600	36.94701	200.87504	4.24697	0.0986641	0.28854624	2.2680838	21	9 11.2	20.7
303285 2004 RG_{311}	16.6	X	199.72880	241.30823	192.89765	20.69897	0.1867614	0.27396115	2.3478845	21	6 15.1	20.8
303286 2004 RH_{335}	17.0	X	266.43987	248.24441	213.83730	5.48176	0.0320525	0.29179912	2.2511964	21	11 3.5	19.3
303287 2004 RQ_{336}	17.2	X	116.43898	326.66197	223.83639	4.44246	0.1317774	0.28150805	2.3057321	21	8 22.7	20.6
303288 2004 RV_{336}	17.5	X	249.65656	236.90979	239.04708	2.20190	0.1154523	0.28964470	2.2623458	21	10 14.8	20.0
303289 2004 RH_{337}	15.1	X	45.80703	169.94813	15.49155	10.22251	0.0279488	0.15176278	3.4809080	21	5 2.0	20.0
303290 2004 RO_{345}	17.7	X	326.83237	312.11713	70.07844	3.79778	0.1699026	0.29047122	2.2580522	21	10 9.7	19.2
303291 2004 RQ_{345}	17.2	X	353.47507	307.41003	46.95860	7.25062	0.1468829	0.29205006	2.2499067	21	10 23.2	18.9
303292 2004 SV_{3}	17.7	X	304.27857	39.45387	349.28709	2.32935	0.1732439	0.28757258	2.2732004	21	8 26.4	19.4
303293 2004 SU_{4}	17.5	X	339.97377	4.65279	329.45221	2.73199	0.1696035	0.28541594	2.2846371	21	8 15.4	18.8
303294 2004 SR_{8}	17.7	X	43.99054	293.41358	18.88775	3.60147	0.1604789	0.29513470	2.2342025	21	11 16.1	20.3
303295 2004 SB_{13}	17.7	X	354.83912	226.05866	94.29254	4.05958	0.2310013	0.28986578	2.2611953	21	9 5.8	18.7
303296 2004 ST_{14}	17.3	X	325.66424	275.69149	59.59264	7.45546	0.1856901	0.28507240	2.2864722	21	7 11.9	19.2
303297 2004 SN_{16}	17.3	X	258.54818	255.94667	71.93490	6.96722	0.2032564	0.27371587	2.3492869	21	3 27.4	21.0
303298 2004 SD_{24}	16.9	X	315.38962	199.38858	184.67065	9.63689	0.1511818	0.28744526	2.2738716	21	9 13.0	18.6
303299 2004 SM_{40}	16.9	X	317.39763	346.67914	39.80848	5.57362	0.2036900	0.28681046	2.2772256	21	9 20.3	18.4
303300 2004 SM_{55}	17.8	X	278.72416	139.19028	276.07907	5.86417	0.1427418	0.28814144	2.2702076	21	8 23.5	20.5
303301 2004 TQ_{4}	17.7	X	173.38823	62.87216	29.62828	2.72080	0.1709973	0.27184931	2.3600284	21	6 14.8	21.5
303302 2004 TQ_{5}	17.8	X	277.18059	57.50430	32.73681	4.21214	0.0978218	0.29151459	2.2526611	21	10 24.0	19.8
303303 2004 TW_{15}	17.4	X	239.06995	63.45937	29.85641	20.55934	0.2740242	0.28152598	2.3056342	21	8 21.3	21.4
303304 2004 TW_{17}	16.6	X	332.88096	69.19536	278.03867	3.45524	0.1929226	0.28560914	2.2836068	21	8 17.2	18.0
303305 2004 TS_{19}	17.0	X	334.07041	192.10421	148.58909	5.70113	0.1680746	0.28519713	2.2858055	21	8 11.7	18.7
303306 2004 TU_{21}	17.7	X	63.41691	66.18562	220.51597	4.01880	0.1262121	0.29312212	2.2444175	21	11 1.5	20.6
303307 2004 TG_{32}	17.5	X	241.21124	130.61076	2.13519	6.92775	0.0397324	0.29229031	2.2486737	21	11 6.7	20.2
303308 2004 TV_{38}	17.9	X	287.04703	255.39292	50.80337	1.86187	0.1920357	0.27370005	2.3493775	21	3 26.8	21.3
303309 2004 TV_{41}	17.0	X	351.74464	315.96789	9.74654	8.08081	0.1688784	0.28543045	2.2845597	21	9 2.8	18.7
303310 2004 TV_{43}	17.6	X	309.32323	1.30875	359.41965	2.77698	0.1819528	0.28323493	2.2963505	21	7 19.9	19.6
303311 2004 TB_{46}	14.9	X	66.82196	311.26143	219.13234	9.40722	0.0320729	0.15111060	3.4909162	21	5 13.8	19.8
303312 2004 TJ_{47}	17.7	X	211.00542	61.84760	22.67338	4.51755	0.2040854	0.27631862	2.3345111	21	7 9.4	21.4
303313 2004 TU_{50}	17.1	X	330.12762	296.99284	20.09802	6.84842	0.1354940	0.27927423	2.3180109	21	6 27.5	19.3
303314 2004 TA_{56}	17.4	X	266.05097	236.53726	174.42110	1.82630	0.2038307	0.28098763	2.3085782	21	7 21.3	20.4
303315 2004 TX_{58}	17.3	X	353.35132	134.40204	195.46344	2.47394	0.1295103	0.28759645	2.2730747	21	9 7.7	19.1
303316 2004 TB_{62}	17.6	X	351.86216	235.92416	103.53381	2.02259	0.1522631	0.28949297	2.2631363	21	9 24.6	19.1
303317 2004 TT_{73}	17.4	X	266.59533	138.59337	261.35483	3.19349	0.1353870	0.28016569	2.3130912	21	7 16.8	20.1
303318 2004 TL_{75}	17.2	X	301.76394	325.40258	34.22351	7.33098	0.1550001	0.28106464	2.3081565	21	7 9.2	19.7
303319 2004 TZ_{77}	16.9	X	150.03957	186.10039	19.20941	7.09965	0.0947061	0.29198685	2.2502315	21	10 19.3	20.0
303320 2004 TF_{80}	17.1	X	118.64318	237.98610	354.21680	7.28072	0.1024782	0.29158704	2.2522879	21	10 18.8	20.3
303321 2004 TR_{81}	17.2	X	169.59983	309.49295	204.57897	6.31467	0.0610742	0.28504606	2.2866131	21	8 31.1	20.4
303322 2004 TV_{94}	17.3	X	188.03637	42.09044	22.45225	6.74254	0.1218435	0.27178272	2.3604139	21	5 21.3	20.9
303323 2004 TZ_{94}	17.2	X	271.72439	243.09505	205.22297	6.14149	0.0528254	0.28960961	2.2625285	21	10 18.9	19.7
303324 2004 TU_{103}	17.0	X	309.35906	269.95120	9.05578	9.31738	0.2074026	0.27417345	2.3466723	21	3 16.1	20.0
303325 2004 TH_{105}	17.9	X	162.40477	223.16332	357.84120	4.06582	0.1149229	0.29660241	2.2268259	21	11 21.7	21.2
303326 2004 TS_{110}	17.2	X	270.49708	174.87925	216.26896	6.95030	0.2111692	0.28019694	2.3129192	21	6 27.5	20.3
303327 2004 TB_{111}	16.7	X	237.89376	276.04443	186.68899	21.51345	0.2098745	0.28258287	2.2998817	21	8 25.0	20.2
303328 2004 TO_{112}	16.7	X	316.75029	93.04288	257.69695	6.76910	0.1387783	0.28265707	2.2994792	21	7 22.9	19.0
303329 2004 TH_{119}	17.7	X	288.39039	267.51650	127.16822	6.00678	0.1703782	0.28568122	2.2832226	21	8 6.1	19.9
303330 2004 TY_{119}	17.6	X	329.61597	113.68834	266.15932	5.00560	0.1613128	0.28990741	2.2609789	21	10 6.8	19.3
303331 2004 TH_{122}	17.4	X	327.71201	349.24965	33.15381	7.18186	0.1190163	0.28965060	2.2623151	21	10 12.1	19.3
303332 2004 TQ_{123}	17.5	X	292.26146	284.40813	91.07052	3.70893	0.2435359	0.28235270	2.3011314	21	6 30.2	20.0
303333 2004 TY_{131}	17.0	X	320.85992	164.34618	178.20044	5.32230	0.2125374	0.28288697	2.2982332	21	7 6.8	18.9
303334 2004 TU_{142}	17.6	X	332.53527	357.02172	8.30687	0.44487	0.1105943	0.28776329	2.2721960	21	9 22.8	19.7
303335 2004 TF_{145}	17.2	X	221.26889	190.23595	191.71299	3.99360	0.1734521	0.27073844	2.3664796	21	4 29.7	20.8
303336 2004 TK_{157}	16.8	X	39.46861	60.38394	236.56312	6.73396	0.1261071	0.28750575	2.2735527	21	10 10.3	19.4
303337 2004 TH_{163}	16.7	X	170.47539	127.14949	46.75764	6.82373	0.0348355	0.28609854	2.2810017	21	10 4.8	19.5
303338 2004 TB_{173}	16.8	X	335.73371	40.30321	270.73254	7.26045	0.2472818	0.28138683	2.3063942	21	6 12.1	18.3
303339 2004 TP_{196}	17.4	X	306.11723	149.67379	204.09462	3.41494	0.1950548	0.28231429	2.3013401	21	6 28.9	19.6
303340 2004 TP_{203}	16.5	X	3.74826	217.64553	35.56034	7.46595	0.1226732	0.27123062	2.3636159	21	5 23.5	18.7
303341 2004 TO_{209}	17.8	X	233.01262	87.08527	22.61772	1.54681	0.1599165	0.28621395	2.2803885	21	9 8.4	20.8
303342 2004 TQ_{210}	17.9	X	76.10581	175.38202	10.71958	6.73381	0.0520962	0.27458035	2.3443534	21	6 12.1	20.8
303343 2004 TA_{213}	17.2	X	145.90799	320.34583	213.61585	3.72151	0.0630411	0.28103257	2.3083320	21	8 29.9	20.3
303344 2004 TB_{213}	16.6	X	9.69316	271.12181	33.29419	6.97899	0.2452228	0.28587457	2.2821930	21	9 21.2	18.1
303345 2004 TD_{221}	16.7	X	324.27459	238.43410	67.37913	7.50428	0.1242195	0.27923403	2.3182334	21	5 30.2	18.9
303346 2004 TB_{222}	17.1	X	312.99408	279.35793	86.27804	8.60187	0.1780802	0.28462012	2.2888939	21	8 7.5	19.1
303347 2004 TH_{249}	16.9	X	240.75540	66.02402	26.27161	10.97297	0.0717518	0.28447812	2.2896554	21	9 10.8	19.9
303348 2004 TA_{250}	16.7	X	29.40953	230.85088	28.39694	7.19623	0.0885907	0.27871526	2.3211091	21	7 25.5	19.2
303349 2004 TW_{273}	17.0	X	334.59282	320.42322	29.45469	6.04558	0.1896931	0.28506625	2.2865052	21	9 1.5	18.5
303350 2004 TE_{294}	18.1	X	200.80142	258.85945	208.75577	4.64787	0.1178249	0.27829119	2.3234665	21	8 1.5	21.6
303351 2004 TS_{295}	18.0	X	251.91539	46.00013	342.32721	1.06336	0.1945691	0.27600156	2.3362986	21	6 4.8	21.5
303352 2004 TN_{298}	17.7	X	35.60411	359.38195	208.54847	4.54131	0.0990689	0.27202861	2.3589913	21	5 16.1	19.9
303353 2004 TQ_{325}	16.9	X	320.70448	347.74648	20.89215	7.94751	0.1400632	0.28529811	2.2852661	21	9 5.1	18.8
303354 2004 TR_{327}	17.2	X	341.00808	193.28965	120.82757	6.98089	0.1367005	0.28473968	2.2882531	21	7 15.4	18.8
303355 2004 TU_{330}	17.1	X	259.71709	350.13530	49.29275	5.55256	0.2350893	0.27812637	2.3243843	21	6 23.6	20.5
303356 2004 TD_{334}	17.8	X	278.75068	31.63872	41.30442	6.04659	0.1285536	0.28573542	2.2829338	21	9 27.4	20.1
303357 2004 TY_{345}	17.0	X	331.34542	43.98652	278.23537	4.70840	0.1819688	0.28276914	2.2988716	21	7 1.9	18.8
303358 2004 TO_{346}	16.9	X	335.55474	344.05449	351.70530	4.25224	0.1579839	0.28373032	2.2936767	21	8 9.3	18.6
303359 2004 TM_{357}	16.8	X	273.94942	235.46920	176.98713	22.93229	0.2308136	0.28158522	2.3053108	21	7 27.2	20.2
303360 2004 TP_{359}	17.8	X	303.35454	309.38283	106.24572	1.14675	0.2012972	0.28993041	2.2608593	21	10 4.9	19.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
303361 2004 TY_{366}	17.5	X	289.37496	186.76978	212.42631	5.18978	0.1594689	0.28199212	2.3030926	21	8 13.9	20.1
303362 2004 UR_{7}	17.0	X	255.15157	134.96520	263.14080	5.73165	0.1107404	0.27763921	2.3271025	21	7 2.6	20.1
303363 2004 UQ_{9}	17.6	X	307.36339	255.88108	111.78026	6.76158	0.2403919	0.28373960	2.2936267	21	7 15.4	19.2
303364 2004 VM_{5}	17.4	X	295.80132	345.57499	18.34205	7.70470	0.1977896	0.28057116	2.3108621	21	6 26.9	20.0
303365 2004 VX_{17}	17.3	X	243.71374	220.49750	205.19890	5.01372	0.2156347	0.27885259	2.3203469	21	7 13.5	20.9
303366 2004 VK_{20}	16.5	X	131.49048	150.94959	60.50034	8.33957	0.0522258	0.28565269	2.2833746	21	10 8.6	19.5
303367 2004 VE_{23}	17.0	X	308.39140	125.74349	241.78757	2.95421	0.2343975	0.28189210	2.3036374	21	7 17.6	18.9
303368 2004 VH_{23}	16.8	X	181.45400	323.20255	67.05828	6.05642	0.2271540	0.26440066	2.4041470	21	4 8.1	20.8
303369 2004 VJ_{26}	17.0	X	280.96342	82.63651	294.90488	2.84172	0.1653713	0.27921376	2.3183456	21	6 30.0	19.7
303370 2004 VR_{28}	16.8	X	215.98591	77.17299	55.37929	23.82280	0.2432838	0.28025259	2.3126130	21	9 26.5	21.0
303371 2004 VT_{44}	15.8	X	50.80777	192.28366	59.48225	26.14575	0.1693549	0.27877357	2.3207854	21	9 19.7	19.3
303372 2004 VT_{51}	17.5	X	291.03235	244.61238	111.87788	3.69778	0.1891720	0.27823322	2.3237892	21	6 9.9	20.2
303373 2004 VS_{53}	17.4	X	275.56062	352.00750	61.54895	2.76821	0.0887641	0.28251566	2.3002464	21	8 29.5	19.9
303374 2004 VU_{56}	16.8	X	252.52102	168.46079	263.76432	6.04626	0.0727272	0.28127278	2.3070176	21	8 20.6	19.8
303375 2004 VA_{65}	16.2	X	79.41544	349.49960	86.26915	6.88375	0.1061240	0.25188998	2.4831071	21	1 23.5	19.0
303376 2004 VN_{95}	16.9	X	64.78137	323.71637	289.77318	4.98903	0.1415979	0.28166834	2.3048572	21	9 15.9	19.7
303377 2004 WZ_{1}	17.3	X	193.19759	57.80732	61.34460	10.13682	0.0490953	0.27784760	2.3259388	21	8 19.1	20.5
303378 2004 WD_{2}	17.3	X	265.07567	181.75961	220.39428	3.10961	0.1786582	0.27886858	2.3202582	21	7 11.1	20.3
303379 2004 XS	17.3	X	252.84878	111.09836	317.04031	5.37689	0.1901002	0.27891377	2.3200076	21	7 31.8	20.4
303380 2004 XW_{7}	17.1	X	182.80570	337.39365	106.17622	7.59731	0.0715386	0.26892668	2.3770964	21	6 12.1	20.4
303381 2004 XM_{9}	17.0	X	180.51138	18.16853	63.56203	7.71501	0.0856111	0.26940277	2.3742950	21	6 6.1	20.2
303382 2004 XD_{23}	16.8	X	159.20291	50.59456	81.46199	3.07483	0.1538761	0.26996351	2.3710061	21	7 23.7	20.5
303383 2004 XP_{28}	17.2	X	233.54938	131.13693	284.35058	1.46462	0.1916745	0.27328051	2.3517813	21	6 22.7	20.8
303384 2004 XH_{32}	16.8	X	195.42831	354.28384	82.11917	8.90595	0.1784841	0.27052112	2.3677468	21	6 14.5	20.7
303385 2004 XV_{32}	16.7	X	197.57005	31.48433	85.62648	7.81477	0.1295351	0.27536020	2.3399250	21	8 14.3	20.2
303386 2004 XM_{42}	16.5	X	77.74127	104.95271	62.21806	7.22166	0.0624803	0.26528497	2.3988014	21	5 20.9	19.2
303387 2004 XU_{42}	16.7	X	175.76973	93.14964	356.11037	4.69892	0.0867472	0.26538783	2.3981815	21	6 10.9	20.2
303388 2004 XO_{49}	17.4	X	294.70488	14.72161	13.29254	2.56643	0.2293760	0.28132966	2.3067067	21	7 27.1	19.6
303389 2004 XM_{56}	17.3	X	174.05374	95.26180	28.77546	2.56935	0.1554310	0.27093228	2.3653508	21	7 28.0	20.9
303390 2004 XW_{57}	16.3	X	98.90914	1.17730	101.88411	7.33892	0.0628020	0.25607701	2.4559658	21	3 27.3	19.5
303391 2004 XU_{58}	16.3	X	295.33248	160.86725	73.37269	8.35222	0.1062863	0.24738286	2.5131764	21	1 17.8	19.8
303392 2004 XT_{62}	17.4	X	302.88435	199.87107	172.72960	1.50666	0.2237663	0.28157231	2.3053813	21	7 17.5	19.4
303393 2004 XL_{70}	17.0	X	293.66968	353.10673	38.45698	3.76978	0.1750924	0.28112102	2.3078478	21	8 11.0	19.3
303394 2004 XV_{81}	16.6	X	253.46688	272.18873	99.71309	8.60584	0.2011087	0.27008591	2.3702897	21	5 17.5	20.2
303395 2004 XQ_{90}	16.6	X	339.98990	224.64192	70.38442	7.28767	0.1275157	0.27085014	2.3658289	21	6 12.2	18.8
303396 2004 XQ_{97}	17.5	X	147.12600	133.07749	334.62296	3.49774	0.1716086	0.26342026	2.4101085	21	6 9.4	21.2
303397 2004 XZ_{101}	17.1	X	214.80778	13.58636	91.20704	8.97885	0.2388952	0.27443714	2.3451689	21	8 7.4	20.9
303398 2004 XZ_{103}	17.5	X	248.64762	83.66869	346.67304	3.44617	0.2038924	0.27678772	2.3318727	21	7 28.6	20.7
303399 2004 XO_{105}	16.9	X	231.31593	124.01492	310.60022	5.20440	0.1400094	0.27675940	2.3320318	21	7 21.7	20.2
303400 2004 XC_{109}	16.9	X	258.70582	151.34859	248.76602	7.05865	0.1068127	0.27685552	2.3314920	21	7 10.0	19.9
303401 2004 XA_{110}	17.7	X	196.02227	93.27021	346.83150	1.84949	0.2082374	0.27185004	2.3600242	21	6 19.3	21.5
303402 2004 XG_{119}	17.5	X	163.04071	359.46939	88.13144	3.71581	0.1227065	0.26358579	2.4090994	21	5 27.9	20.9
303403 2004 XN_{119}	17.1	X	89.66546	255.92114	299.47474	3.80896	0.1492194	0.26538880	2.3981756	21	7 31.6	20.2
303404 2004 XT_{147}	16.8	X	159.92972	330.75974	125.94211	3.35014	0.1641495	0.26256212	2.4153570	21	6 7.9	20.5
303405 2004 XM_{158}	17.2	X	200.41959	345.42315	100.65270	5.57499	0.1473069	0.27008766	2.3702795	21	7 3.1	20.9
303406 2004 XX_{158}	17.1	X	114.49705	2.74697	112.05717	5.77338	0.0420836	0.25991109	2.4317533	21	4 28.9	20.2
303407 2004 XM_{159}	16.6	X	99.24046	262.30387	266.87766	5.87604	0.1954430	0.26292030	2.4131629	21	7 13.0	20.0
303408 2004 XM_{171}	16.6	X	343.98409	69.68586	256.90696	5.82184	0.1535620	0.28306347	2.2972777	21	8 9.2	18.5
303409 2004 XJ_{176}	16.8	X	262.72867	121.91025	273.18992	5.33391	0.1229728	0.27417927	2.3466391	21	7 6.7	19.6
303410 2004 XX_{180}	15.5	X	42.18727	235.41735	202.31454	0.69563	0.2067870	0.12596355	3.9412996	21	1 8.3	19.9
303411 2004 XH_{181}	17.4	X	163.33363	156.71007	318.90143	5.36862	0.2342383	0.26759191	2.3849946	21	7 8.2	21.4
303412 2004 YE_{6}	17.7	X	158.81031	184.02866	283.32801	5.15475	0.1313322	0.26510718	2.3998737	21	6 18.9	21.2
303413 2004 YK_{13}	17.2	X	65.06974	217.92778	281.64322	2.76106	0.1043601	0.25375698	2.4709126	21	3 27.4	19.8
303414 2004 YB_{14}	17.4	X	159.37633	205.20456	271.02921	0.36396	0.1270177	0.26600984	2.3944416	21	7 1.2	20.9
303415 2004 YF_{14}	16.9	X	40.15583	87.45537	108.01988	6.59803	0.1353577	0.25694927	2.4504046	21	5 12.4	19.3
303416 2004 YF_{18}	17.7	X	247.82332	147.45701	254.87088	0.60728	0.1718378	0.27151715	2.3619528	21	6 22.1	21.1
303417 2004 YH_{25}	17.1	X	203.65447	68.82109	288.92746	5.74694	0.1192524	0.25529323	2.4609900	21	3 11.4	20.9
303418 2005 AO	17.9	X	166.56089	333.01044	159.00143	2.84148	0.1323175	0.26928635	2.3749793	21	7 29.6	21.4
303419 2005 AV_{1}	17.1	X	188.69409	343.32792	128.14682	5.59905	0.2041147	0.26948447	2.3738151	21	7 23.6	21.1
303420 2005 AA_{4}	17.7	X	178.85024	142.05540	328.67903	5.99208	0.2025626	0.26948805	2.3737941	21	7 15.1	21.5
303421 2005 AO_{4}	16.9	X	170.11025	44.07759	70.15787	7.06021	0.0872197	0.26831496	2.3807079	21	7 9.6	20.3
303422 2005 AS_{4}	16.6	X	252.77520	81.43041	297.83375	9.92705	0.1889037	0.27019494	2.3696520	21	5 23.9	20.3
303423 2005 AN_{5}	16.9	X	175.79810	154.26412	333.56662	6.53939	0.2216173	0.26936684	2.3745061	21	8 3.6	21.0
303424 2005 AV_{5}	16.8	X	112.40350	105.25153	13.35940	3.20557	0.1372379	0.25848546	2.4406864	21	5 12.4	20.1
303425 2005 AZ_{5}	17.4	X	213.85635	111.33494	330.57311	4.51539	0.1988766	0.27106783	2.3645621	21	7 8.8	21.1
303426 2005 AJ_{6}	17.5	X	202.55851	256.59843	209.85677	1.63831	0.1510242	0.27240806	2.3568001	21	7 31.8	21.1
303427 2005 AQ_{6}	16.9	X	187.97945	90.15284	322.59069	14.45854	0.1447905	0.26188916	2.4194930	21	5 1.4	21.0
303428 2005 AV_{14}	17.0	X	134.38588	98.56596	25.45325	7.31463	0.1403977	0.26281474	2.4138090	21	6 14.9	20.7
303429 2005 AR_{21}	17.3	X	119.89517	91.89526	83.16306	3.40149	0.1895136	0.26538419	2.3982034	21	8 13.3	21.0
303430 2005 AV_{22}	17.3	X	166.65768	36.48678	70.97150	3.07147	0.1403765	0.26635954	2.3923454	21	6 27.5	20.8
303431 2005 AO_{31}	17.2	X	159.14657	338.44160	101.04647	2.37172	0.1850278	0.26226009	2.4172111	21	5 16.9	20.9
303432 2005 AW_{33}	16.9	X	245.08652	282.20330	130.65567	6.81787	0.1041391	0.27155194	2.3617510	21	7 11.5	20.1
303433 2005 AA_{36}	16.4	X	121.82788	308.18030	128.10276	15.18901	0.0675727	0.25332538	2.4737183	21	3 24.8	19.9
303434 2005 AY_{36}	17.0	X	172.08549	318.94296	154.29619	4.87732	0.2233762	0.26748501	2.3856300	21	7 11.1	21.1
303435 2005 AE_{45}	17.3	X	146.61465	124.88678	340.63746	2.68687	0.1379315	0.26112719	2.4241974	21	6 3.5	21.0
303436 2005 AH_{50}	17.3	X	175.35796	264.76812	212.66601	5.27792	0.2150328	0.26845157	2.3799002	21	7 18.4	21.3
303437 2005 AO_{51}	16.5	X	344.49443	283.01261	244.37366	4.96224	0.1455352	0.24300316	2.5432835	21	—	—
303438 2005 AK_{54}	17.5	X	154.56643	0.21568	117.22521	5.79067	0.2454167	0.26376631	2.4080001	21	7 3.0	21.6
303439 2005 AH_{58}	17.6	X	209.59682	78.48218	350.19365	2.33858	0.1621965	0.26849465	2.3796456	21	6 18.4	21.2
303440 2005 AR_{60}	17.0	X	184.15073	324.51923	104.77540	4.48666	0.1324266	0.26290202	2.4132747	21	5 26.4	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
303441 2005 AV_{60}	17.3	X	156.67645	104.50114	16.34926	0.34125	0.1572004	0.26509326	2.3999577	21	7 5.9	20.8
303442 2005 AF_{65}	17.6	X	116.18582	37.59337	133.91805	4.18999	0.1400849	0.26502941	2.4003432	21	7 29.5	20.9
303443 2005 AE_{67}	17.8	X	235.83830	181.80377	238.73823	1.32147	0.1554194	0.27139387	2.3626680	21	7 5.3	21.0
303444 2005 AA_{77}	16.9	X	292.63097	147.04187	78.75601	4.58163	0.1248164	0.24164994	2.5527694	21	1 2.1	20.6
303445 2005 AL_{78}	17.3	X	178.34851	22.85980	68.54457	2.97944	0.1668380	0.26467204	2.4025033	21	6 18.3	21.0
303446 2005 AR_{79}	17.8	X	129.96600	19.62091	90.62585	3.33708	0.1488820	0.25890239	2.4380654	21	5 24.6	21.3
303447 2005 AT_{79}	17.4	X	212.58812	93.89517	326.92238	6.40871	0.1299279	0.26574107	2.3960558	21	6 12.4	21.1
303448 2005 AD_{81}	17.4	X	70.40595	54.06400	91.11123	3.45008	0.1295410	0.25346760	2.4727929	21	4 20.6	20.1
303449 2005 BE_{2}	18.2	X	211.04491	162.44669	92.61491	6.57720	0.6260360	0.34419092	2.0165227	21	—	—
303450 2005 BY_{2}	20.5	X	133.18404	130.22951	74.46480	7.29055	0.3305659	0.68944357	1.2690252	21	11 11.5	21.3
303451 2005 BX_{4}	17.4	X	187.25609	52.69812	40.67182	1.84649	0.1507379	0.26737240	2.3862998	21	6 29.6	21.0
303452 2005 BL_{14}	17.4	X	120.64568	142.49565	13.30513	5.43598	0.0978501	0.26400796	2.4065305	21	7 9.6	20.7
303453 2005 BC_{18}	16.8	X	131.65539	102.05205	47.21161	5.18076	0.1311237	0.26540201	2.3980961	21	7 17.0	20.3
303454 2005 BN_{20}	17.8	X	135.73028	165.59244	340.00868	1.12009	0.1618166	0.26426692	2.4049581	21	7 18.1	21.3
303455 2005 BY_{21}	15.7	X	81.61743	68.91713	338.84049	2.35098	0.2697974	0.12406760	3.9813509	21	2 11.6	21.0
303456 2005 CJ_{2}	16.1	X	23.63928	284.52814	123.94195	11.48954	0.0504646	0.23018430	2.6368510	21	—	—
303457 2005 CU_{4}	17.4	X	141.97753	106.04901	31.65963	3.74119	0.1531341	0.26347041	2.4098027	21	7 13.9	21.1
303458 2005 CF_{8}	17.3	X	83.83598	38.97594	88.80444	4.15982	0.1375713	0.25378848	2.4707081	21	4 18.7	20.1
303459 2005 CF_{9}	17.3	X	61.14499	45.47723	114.00371	5.82643	0.1307654	0.25249299	2.4791521	21	4 27.3	20.0
303460 2005 CD_{13}	18.0	X	175.29114	114.15634	4.45034	2.35440	0.1588615	0.26699710	2.3885354	21	7 21.8	21.7
303461 2005 CR_{14}	17.3	X	233.04898	250.80119	126.58898	6.85567	0.1427252	0.26168001	2.4207820	21	5 9.5	21.0
303462 2005 CF_{17}	17.8	X	141.41049	285.38140	169.87414	2.01877	0.1808231	0.25949656	2.4343423	21	5 20.1	21.4
303463 2005 CO_{23}	16.4	X	163.36219	286.80365	183.33022	7.35821	0.1626404	0.26457654	2.4030815	21	6 28.0	20.3
303464 2005 CZ_{25}	17.2	X	131.27999	113.45919	44.51107	6.18110	0.1355421	0.26446302	2.4037691	21	7 29.8	20.8
303465 2005 CM_{26}	16.7	X	184.31175	58.96424	10.08282	5.21918	0.0928892	0.26171876	2.4205431	21	5 23.7	20.3
303466 2005 CZ_{30}	17.4	X	155.02082	306.38322	116.35596	4.93021	0.0964306	0.25419886	2.4680483	21	4 16.8	20.9
303467 2005 CV_{42}	17.6	X	221.91832	270.22121	169.86783	2.72401	0.2144781	0.27076471	2.3663266	21	7 11.9	21.4
303468 2005 CO_{43}	17.6	X	166.01705	330.30636	136.07995	2.98730	0.1565787	0.26395022	2.4068815	21	6 25.9	21.2
303469 2005 CK_{52}	16.5	X	119.71759	0.90694	150.44673	6.66626	0.0329971	0.26083237	2.4260238	21	6 22.9	19.7
303470 2005 CZ_{61}	15.7	X	19.57391	170.59658	229.59681	25.07088	0.1218508	0.21136173	2.7911627	21	—	—
303471 2005 CY_{62}	17.2	X	189.01536	59.09766	35.28224	2.94011	0.1510875	0.26500229	2.4005069	21	7 2.9	21.0
303472 2005 CM_{67}	16.2	X	273.08171	272.70762	324.30759	14.60452	0.1085327	0.23917500	2.5703496	21	—	—
303473 2005 CQ_{67}	16.2	X	45.95197	197.67854	337.07038	9.98726	0.1002139	0.25326611	2.4741042	21	4 11.1	19.0
303474 2005 CJ_{68}	16.2	X	358.08656	220.79632	303.73046	10.32786	0.0771291	0.24336560	2.5407577	21	1 15.2	19.3
303475 2005 CF_{79}	16.7	X	267.77421	230.89665	348.16221	6.23949	0.1035895	0.23506985	2.6001881	21	—	—
303476 2005 EO_{10}	17.3	X	20.61210	324.38956	182.51276	7.75459	0.1258293	0.24189867	2.5510192	21	1 20.8	20.1
303477 2005 EA_{21}	17.3	X	110.02688	72.60372	68.80579	2.32717	0.1207328	0.25688395	2.4508200	21	6 8.3	20.5
303478 2005 EO_{21}	16.7	X	19.64769	125.36005	9.15732	6.81479	0.1710605	0.24092367	2.5578971	21	—	—
303479 2005 EV_{28}	16.1	X	217.46009	221.67677	12.78806	11.33652	0.1845300	0.22435808	2.6823055	21	—	—
303480 2005 EV_{30}	17.4	X	178.69559	8.06376	84.85581	3.79566	0.1902441	0.26214783	2.4179011	21	6 20.9	21.3
303481 2005 EH_{31}	16.3	X	299.53576	220.40534	19.98178	15.46448	0.0816883	0.24369692	2.5384544	21	2 9.8	20.0
303482 2005 ET_{47}	15.7	X	224.87552	335.73189	348.15274	11.86631	0.1258921	0.24526417	2.5276289	21	2 24.0	19.7
303483 2005 EH_{50}	16.4	X	260.04230	164.84712	112.79260	3.10759	0.0502529	0.24225614	2.5485091	21	2 7.3	19.8
303484 2005 EZ_{51}	16.5	X	191.71131	64.39442	189.15441	10.37395	0.1109853	0.22223384	2.6993711	21	—	—
303485 2005 ET_{69}	16.5	X	4.33688	220.14190	315.71905	4.46530	0.1008326	0.24246934	2.5470150	21	2 6.1	19.1
303486 2005 EJ_{71}	16.2	X	286.71055	100.24228	121.02505	8.06017	0.1125683	0.23917341	2.5703610	21	—	—
303487 2005 EB_{77}	16.6	X	180.74995	56.90351	183.04170	5.31699	0.1179587	0.22094556	2.7098538	21	12 22.8	20.7
303488 2005 EB_{91}	16.7	X	337.08384	154.03260	335.34320	8.81307	0.0739226	0.23310538	2.6147762	21	—	—
303489 2005 EA_{101}	16.4	X	296.24438	91.82807	87.33500	5.45549	0.1086621	0.23125665	2.6286932	21	—	—
303490 2005 EG_{101}	16.9	X	288.56628	49.84644	166.65047	8.00226	0.1480003	0.23480536	2.6021403	21	—	—
303491 2005 EM_{102}	16.4	X	287.34983	337.19216	192.65419	13.91024	0.0421512	0.22619093	2.6677959	21	—	—
303492 2005 ER_{109}	16.1	X	154.87510	111.58328	154.61779	13.33961	0.1692069	0.22249070	2.6972931	21	12 28.4	20.8
303493 2005 EE_{119}	16.6	X	65.82784	262.63746	215.49590	7.20805	0.1629264	0.24555859	2.5256081	21	3 5.9	19.4
303494 2005 EL_{121}	17.0	X	315.62666	214.04621	349.85425	4.89279	0.1170683	0.23971550	2.5664844	21	1 3.4	20.5
303495 2005 EF_{125}	17.2	X	167.17603	122.12221	178.49484	5.31313	0.0350715	0.22790746	2.6543836	21	—	—
303496 2005 EA_{129}	17.3	X	287.30258	297.04087	221.90913	0.96773	0.0270617	0.22715778	2.6602205	21	—	—
303497 2005 EY_{130}	17.1	X	183.67884	167.57313	217.58553	1.25888	0.0220509	0.25147265	2.4858536	21	3 24.4	20.4
303498 2005 EN_{135}	16.5	X	264.98624	174.28599	27.49960	6.04670	0.0726092	0.22895372	2.6462909	21	—	—
303499 2005 EY_{135}	16.6	X	178.22950	81.68504	163.94989	13.77927	0.2991442	0.21750676	2.7383411	21	12 18.2	21.8
303500 2005 EZ_{141}	16.4	X	358.88872	358.48606	178.32214	14.57540	0.1029774	0.24284734	2.5443713	21	1 26.7	19.6
303501 2005 ES_{142}	15.8	X	193.78744	217.68332	27.88495	14.06665	0.1640181	0.22111621	2.7084594	21	—	—
303502 2005 EW_{148}	16.9	X	211.83405	146.16468	105.27724	3.41283	0.0852116	0.22619051	2.6677992	21	—	—
303503 2005 EP_{150}	16.8	X	296.88903	10.78925	147.42392	5.83435	0.1657410	0.22742671	2.6581230	21	—	—
303504 2005 ES_{151}	16.3	X	116.98900	258.60430	105.49473	3.45099	0.0789362	0.22995517	2.6386023	21	—	—
303505 2005 EW_{159}	16.5	X	121.06312	317.24754	358.62401	5.49889	0.1013122	0.22303332	2.6929165	21	—	—
303506 2005 ET_{163}	17.0	X	59.53435	129.84345	11.22034	5.53362	0.0828765	0.24610093	2.5218962	21	3 21.6	19.8
303507 2005 EE_{167}	16.6	X	129.55449	230.09726	180.07438	14.55727	0.0535544	0.24297793	2.5434595	21	2 19.9	20.1
303508 2005 EN_{167}	17.3	X	209.04040	4.13062	274.54706	0.91130	0.0259539	0.23282578	2.6168691	21	—	—
303509 2005 EF_{171}	16.1	X	346.83691	193.68567	317.36818	13.08157	0.1094898	0.23663176	2.5887336	21	—	—
303510 2005 EH_{177}	17.1	X	278.65172	261.72006	350.80404	0.37651	0.0942823	0.23648201	2.5898263	21	1 24.2	20.9
303511 2005 EL_{183}	17.7	X	120.08050	147.21697	358.49290	2.33435	0.1366411	0.25748846	2.4469826	21	6 28.7	21.1
303512 2005 EN_{183}	16.5	X	211.85547	252.27344	359.29035	5.29195	0.0638939	0.22758653	2.6568784	21	—	—
303513 2005 ET_{186}	16.7	X	16.46550	7.95326	175.17176	9.33910	0.0978105	0.24437047	2.5337877	21	3 7.9	19.3
303514 2005 ES_{189}	16.7	X	76.77763	13.89516	148.53657	4.85438	0.0958720	0.25283931	2.4768877	21	5 20.2	19.7
303515 2005 EN_{193}	17.2	X	229.79555	323.56317	325.52165	2.29388	0.0844262	0.23759529	2.5817301	21	1 17.9	20.9
303516 2005 EW_{196}	16.5	X	119.73184	225.24487	254.20772	7.51420	0.1470186	0.25484190	2.4638948	21	5 24.5	20.0
303517 2005 EV_{202}	16.9	X	239.31667	71.64134	148.81055	3.34760	0.0534681	0.22715111	2.6602726	21	—	—
303518 2005 ED_{205}	16.8	X	341.43682	130.76452	36.21920	5.20398	0.0661341	0.23426249	2.6061588	21	—	—
303519 2005 EH_{206}	16.6	X	319.54431	336.55167	201.12646	8.77540	0.1464487	0.23388295	2.6089775	21	—	—
303520 2005 EA_{212}	17.0	X	177.43134	9.95575	74.18490	3.78722	0.1676014	0.26089600	2.4256293	21	6 8.0	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
303521 2005 EP_{212}	15.7	X	169.66384	286.76258	65.36449	13.95877	0.1187934	0.23924592	2.5698416	21	2 8.1	19.8
303522 2005 EX_{219}	16.1	X	254.43199	307.07312	244.91046	10.21364	0.1290588	0.22620853	2.6676575	21	—	—
303523 2005 ER_{226}	16.9	X	200.52492	299.55141	22.93515	3.39918	0.0401335	0.24007685	2.5639085	21	1 27.1	20.4
303524 2005 EM_{227}	17.3	X	96.91194	46.37370	358.23752	4.27580	0.0386435	0.23580950	2.5947480	21	1 2.9	20.7
303525 2005 EQ_{227}	16.5	X	279.51539	122.23134	67.93978	6.25337	0.0702618	0.23013290	2.6372435	21	—	—
303526 2005 ED_{234}	16.7	X	156.34081	49.94647	47.82935	6.98015	0.1045862	0.25697090	2.4502671	21	6 1.2	20.3
303527 2005 EG_{234}	16.5	X	273.81658	150.10234	52.08355	7.81820	0.0866126	0.23119873	2.6291321	21	—	—
303528 2005 EN_{248}	17.4	X	16.70866	109.95982	359.99325	2.58067	0.0215061	0.23320329	2.6140442	21	—	—
303529 2005 ED_{249}	17.8	X	168.56500	122.45659	307.59128	0.43990	0.1662388	0.25591281	2.4570162	21	5 12.4	21.7
303530 2005 EW_{257}	16.8	X	254.93196	321.34854	263.22561	1.58686	0.0931486	0.22972940	2.6403308	21	—	—
303531 2005 EZ_{260}	16.0	X	185.33989	318.40491	11.35863	14.40613	0.1136650	0.23759519	2.5817308	21	1 28.0	20.2
303532 2005 EA_{265}	17.3	X	110.02238	233.08993	211.66878	3.46032	0.1084170	0.24607618	2.5220653	21	3 21.1	20.5
303533 2005 EM_{266}	15.5	X	16.52370	24.03961	56.60401	22.84176	0.0514777	0.22650175	2.6653547	21	—	—
303534 2005 ES_{266}	16.4	X	302.12829	352.77377	191.92849	13.73351	0.0413453	0.23057768	2.6338510	21	—	—
303535 2005 EK_{269}	16.4	X	277.21759	200.06359	13.36525	12.91788	0.1847538	0.22938195	2.6429963	21	—	—
303536 2005 EW_{270}	15.8	X	221.22552	343.92325	241.14536	12.21952	0.1466604	0.22307068	2.6926158	21	—	—
303537 2005 EM_{271}	17.0	X	170.16055	359.42996	12.49966	3.63046	0.1400721	0.24221980	2.5487640	21	3 2.5	20.9
303538 2005 EV_{271}	16.8	X	105.31230	217.04318	289.02950	3.00547	0.1197069	0.25458586	2.4655465	21	6 8.6	20.0
303539 2005 EF_{280}	16.9	X	51.33156	57.21304	80.20437	5.99207	0.1753343	0.24460815	2.5321461	21	3 14.6	19.3
303540 2005 EU_{289}	16.4	X	206.87372	318.52342	330.81939	4.10680	0.0957313	0.23540985	2.5976838	21	—	—
303541 2005 EQ_{312}	17.4	X	158.89888	162.58886	179.48316	8.23663	0.1358862	0.23618920	2.5919663	21	1 11.8	21.4
303542 2005 EE_{316}	17.3	X	96.26948	29.68914	12.65904	13.35019	0.1993390	0.23758532	2.5818023	21	1 26.3	20.6
303543 2005 EG_{317}	17.4	X	169.40518	63.31709	247.03914	0.80020	0.0775218	0.23165848	2.6256525	21	—	—
303544 2005 EJ_{318}	16.8	X	346.23580	204.25270	60.00496	23.53507	0.0690504	0.37426883	1.9069835	21	5 7.5	18.2
303545 2005 EQ_{324}	16.2	X	247.78124	22.60689	201.63429	12.08496	0.1017902	0.22525668	2.6751672	21	—	—
303546 Bourbaki	16.8	X	134.82178	266.02984	4.31765	6.43950	0.2005394	0.21529928	2.7570269	21	12 15.2	21.5
303547 2005 FY_{8}	16.5	X	257.49366	128.44391	136.08270	5.00457	0.0118256	0.24114340	2.5563430	21	1 21.4	19.9
303548 2005 GM	15.6	X	112.70897	104.34287	188.02021	19.90159	0.1926918	0.21240165	2.7820449	21	12 22.1	20.6
303549 2005 GN_{5}	16.8	X	93.91933	284.84644	135.82438	3.65149	0.1519807	0.23581891	2.5946789	21	2 4.1	19.9
303550 2005 GW_{5}	16.5	X	110.45256	303.36738	71.37846	4.86268	0.0968338	0.22850673	2.6497408	21	—	—
303551 2005 GG_{9}	17.8	X	142.84920	3.07349	186.41554	21.39281	0.0764030	0.38808077	1.8614640	21	9 29.7	19.7
303552 2005 GO_{12}	16.6	X	280.76234	16.02127	185.79340	15.09339	0.2047262	0.22950918	2.6420194	21	—	—
303553 2005 GL_{21}	16.5	X	248.28213	220.36754	16.53437	13.60044	0.1326870	0.22840563	2.6505226	21	—	—
303554 2005 GA_{34}	16.8	X	44.20930	336.16602	244.32911	23.42405	0.0851030	0.37476619	1.9052960	21	6 12.7	18.1
303555 2005 GY_{34}	18.1	X	130.13513	190.06161	301.35779	0.51738	0.1373094	0.26110482	2.4243359	21	6 20.6	21.6
303556 2005 GH_{44}	16.5	X	158.47410	359.97376	281.12806	4.42324	0.1664399	0.21987458	2.7186463	21	—	—
303557 2005 GU_{44}	17.1	X	151.65890	341.36421	334.80778	1.45863	0.1995320	0.22589415	2.6701320	21	—	—
303558 2005 GM_{47}	17.2	X	346.86524	166.66798	8.80898	6.24628	0.0330050	0.23780896	2.5801834	21	1 21.8	20.6
303559 2005 GT_{51}	16.5	X	88.69425	118.87601	213.61504	5.49687	0.0320134	0.21654501	2.7464431	21	—	—
303560 2005 GO_{53}	16.6	X	159.57825	284.28657	37.12463	6.47703	0.0458404	0.22537748	2.6742112	21	—	—
303561 2005 GY_{55}	16.8	X	223.26728	51.53170	192.27016	13.73719	0.0742463	0.22775133	2.6555966	21	—	—
303562 2005 GT_{56}	17.1	X	20.01769	97.63075	40.61687	7.73967	0.1482893	0.23741026	2.5830713	21	1 10.2	19.8
303563 2005 GW_{59}	17.8	X	355.03754	258.19743	21.87392	21.13929	0.0665020	0.37609275	1.9008131	21	6 13.5	19.8
303564 2005 GD_{65}	16.4	X	253.31181	193.59064	60.15637	14.78094	0.1302175	0.23339054	2.6126459	21	—	—
303565 2005 GP_{67}	16.4	X	200.17717	283.73328	23.67589	14.98188	0.0243659	0.23285990	2.6166135	21	1 9.9	20.3
303566 2005 GR_{77}	15.7	X	147.16501	237.59882	51.52552	14.24661	0.1652289	0.22000981	2.7175321	21	—	—
303567 2005 GS_{90}	16.5	X	260.87214	289.75577	300.31126	2.66400	0.1435417	0.22982748	2.6395795	21	—	—
303568 2005 GS_{94}	16.4	X	276.52230	227.83348	33.03345	15.75145	0.0322536	0.23758257	2.5818222	21	2 16.2	20.2
303569 2005 GK_{99}	16.9	X	146.36025	6.37819	295.11449	0.85862	0.1285416	0.21899457	2.7259244	21	—	—
303570 2005 GB_{105}	16.4	X	150.77035	263.03455	44.01996	7.98109	0.1993363	0.22106406	2.7088853	21	—	—
303571 2005 GB_{110}	16.4	X	276.48261	329.82517	214.20851	13.19988	0.1388490	0.22530052	2.6748202	21	—	—
303572 2005 GH_{110}	16.7	X	335.40823	162.99290	29.42407	10.19250	0.1397238	0.23626986	2.5913764	21	1 13.4	20.1
303573 2005 GC_{111}	16.4	X	194.41441	153.97131	99.30477	6.27394	0.1290657	0.22228170	2.6989836	21	—	—
303574 2005 GW_{116}	17.0	X	222.04043	269.84324	15.42220	2.78050	0.0877357	0.23099914	2.6306464	21	1 6.5	20.8
303575 2005 GL_{117}	16.4	X	159.69808	343.26251	236.21434	3.19806	0.1391149	0.21095546	2.7947451	21	11 6.3	20.8
303576 2005 GP_{123}	16.0	X	221.78909	141.32764	88.03863	8.73723	0.1188653	0.22350231	2.6891480	21	—	—
303577 2005 GT_{123}	15.9	X	216.34251	155.43255	79.38479	12.68371	0.1397483	0.22247989	2.6973805	21	—	—
303578 2005 GO_{124}	16.5	X	0.62709	156.81421	49.33964	13.92098	0.0564429	0.24623744	2.5209641	21	3 25.1	19.7
303579 2005 GM_{127}	16.9	X	1.66566	145.66269	16.01896	4.27208	0.1462245	0.23704857	2.5856981	21	1 10.2	19.7
303580 2005 GM_{131}	16.8	X	167.90254	203.09703	49.89974	5.85042	0.1183915	0.21746873	2.7386604	21	12 25.3	21.0
303581 2005 GX_{132}	17.1	X	311.31340	99.78864	66.40948	3.84939	0.0389173	0.22858229	2.6491568	21	—	—
303582 2005 GU_{134}	16.8	X	190.75279	221.53475	28.27364	5.05931	0.0606164	0.22009579	2.7168243	21	—	—
303583 2005 GP_{140}	16.0	X	171.54092	202.62486	180.48884	13.38116	0.1099613	0.24360605	2.5390855	21	3 13.9	19.8
303584 2005 GG_{141}	17.4	X	323.75898	279.51651	59.00083	23.16824	0.0591592	0.38024410	1.8869529	21	8 15.5	19.7
303585 2005 GH_{145}	16.3	X	36.94911	206.24255	257.61861	1.98180	0.0217421	0.23246986	2.6195394	21	—	—
303586 2005 GZ_{148}	16.1	X	127.87588	268.54367	77.47635	6.82837	0.0958311	0.22387052	2.6861986	21	—	—
303587 2005 GJ_{149}	16.7	X	150.31185	113.70731	162.43633	6.12765	0.0781068	0.21635490	2.7480517	21	—	—
303588 2005 GT_{150}	16.5	X	235.87142	143.57657	63.76921	9.55582	0.0653536	0.22041748	2.7141803	21	—	—
303589 2005 GM_{157}	17.3	X	38.07775	127.97172	10.06629	5.29849	0.1752652	0.24047376	2.5610865	21	2 14.5	19.7
303590 2005 GM_{173}	16.6	X	143.40075	120.07747	155.15988	5.07825	0.0906264	0.21613102	2.7499491	21	12 28.2	20.8
303591 2005 GK_{176}	16.3	X	173.08334	146.44301	125.20340	5.93406	0.0775643	0.21950181	2.7217234	21	—	—
303592 2005 GL_{176}	15.6	X	193.13422	21.21142	195.22456	15.69234	0.1727229	0.21485273	2.7608457	21	12 2.9	20.2
303593 2005 GU_{182}	16.5	X	116.44504	136.77445	178.03812	6.10940	0.0685905	0.21934620	2.7230104	21	—	—
303594 2005 GB_{192}	16.8	X	49.68681	75.79222	62.44397	5.56597	0.0227695	0.23891584	2.5722080	21	3 1.9	20.1
303595 2005 GZ_{199}	16.4	X	123.44985	207.88551	69.96038	5.39446	0.0329868	0.20996976	2.8034848	21	12 7.6	20.4
303596 2005 GP_{220}	17.0	X	174.55099	346.26487	347.21728	1.92712	0.0484228	0.23526487	2.5987509	21	1 11.4	20.6
303597 2005 GU_{226}	16.3	X	44.57171	156.44308	11.84229	9.28666	0.1904652	0.24499322	2.5294921	21	4 12.9	18.6
303598 2005 HR_{5}	16.2	X	169.94364	142.09790	101.76832	10.52679	0.1570114	0.21514893	2.7583112	21	12 15.0	20.6
303599 2005 HB_{6}	16.1	X	106.19707	219.87338	120.84291	7.23773	0.0344685	0.21794881	2.7346372	21	—	—
303600 2005 JP_{1}	16.3	X	306.98623	147.86196	84.02028	8.73527	0.1515730	0.23570577	2.5955092	21	1 24.9	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
303601 2005 JU_4	15.5	X	214.72394	144.62493	106.92446	15.67939	0.0570184	0.22194360	2.7017239	21	—	—
303602 2005 JH_8	16.6	X	112.54579	206.60471	209.29558	5.01334	0.1930372	0.23863585	2.5742196	21	2 27.3	20.0
303603 2005 JQ_8	16.9	X	87.71952	230.84574	209.22167	11.07898	0.0453579	0.23710642	2.5852775	21	2 1.7	20.5
303604 2005 JP_{19}	16.0	X	0.27925	45.92320	61.30986	22.66884	0.0483645	0.22472578	2.6793788	21	—	—
303605 2005 JF_{20}	16.1	X	130.54524	158.63399	112.30569	14.74720	0.1775648	0.21057416	2.7981178	21	12 13.4	20.8
303606 2005 JP_{20}	17.6	X	44.48402	169.22038	69.39298	22.43113	0.0409390	0.37556057	1.9026083	21	7 11.1	19.5
303607 2005 JG_{23}	16.4	X	191.38469	119.75861	207.52890	10.23329	0.0281720	0.23633239	2.5909193	21	1 18.7	20.2
303608 2005 JS_{23}	16.2	X	240.94456	192.52493	67.78370	10.37034	0.0845242	0.23124774	2.6287607	21	—	—
303609 2005 JK_{25}	16.2	X	123.87838	210.20795	219.73527	11.84317	0.2630307	0.24095438	2.5576797	21	4 7.6	20.1
303610 2005 JP_{27}	16.1	X	236.92766	187.48008	70.01871	12.71327	0.1560808	0.22672026	2.6636418	21	—	—
303611 2005 JG_{29}	16.7	X	28.14774	91.84542	191.05178	10.92319	0.0684100	0.19469979	2.9482144	21	8 14.5	20.6
303612 2005 JF_{30}	16.0	X	314.46104	272.96810	260.39266	12.39922	0.1481134	0.23200896	2.6230075	21	—	—
303613 2005 JN_{33}	16.0	X	180.49651	225.40379	50.26483	16.14294	0.0552178	0.22039251	2.7143853	21	—	—
303614 2005 JQ_{34}	17.7	X	349.95882	215.16123	66.29512	23.25559	0.0747309	0.37123340	1.9173645	21	6 7.3	18.9
303615 2005 JK_{42}	16.7	X	319.36454	14.56598	203.79055	5.50583	0.2147202	0.23659436	2.5890064	21	1 11.3	20.3
303616 2005 JV_{44}	16.8	X	277.23860	272.27292	97.79504	23.90827	0.1466514	0.37659599	1.8991193	21	6 16.3	18.6
303617 2005 JW_{47}	16.4	X	260.82220	329.05816	208.69805	6.66481	0.0717145	0.22006422	2.7170841	21	—	—
303618 2005 JP_{49}	16.1	X	55.88970	282.47600	66.13913	10.07120	0.1814281	0.20993796	2.8037679	21	—	—
303619 2005 JQ_{50}	17.0	X	234.59345	173.21881	85.12216	3.36295	0.0452911	0.22797714	2.6538428	21	—	—
303620 2005 JR_{50}	16.5	X	90.95621	244.13684	71.57303	6.16434	0.0796012	0.21256154	2.7806495	21	12 21.4	20.6
303621 2005 JA_{53}	16.4	X	122.54877	83.76812	217.53118	5.96890	0.0428099	0.21636258	2.7479866	21	—	—
303622 2005 JB_{54}	16.5	X	259.07456	134.68116	78.03132	10.33816	0.0734639	0.22484927	2.6783977	21	—	—
303623 2005 JR_{66}	15.6	X	293.95687	161.39508	34.63525	14.64360	0.1050462	0.22843971	2.6502590	21	—	—
303624 2005 JS_{66}	16.4	X	359.33435	235.25386	306.79182	3.16043	0.1496549	0.23806881	2.5783055	21	2 1.6	19.2
303625 2005 JX_{67}	16.0	X	93.78966	343.73835	49.14997	22.52251	0.0219303	0.22583205	2.6706214	21	—	—
303626 2005 JK_{68}	16.0	X	188.67976	194.97836	80.74437	12.79080	0.1357914	0.22159358	2.7045682	21	—	—
303627 2005 JU_{72}	17.0	X	36.28500	13.93441	113.11360	2.68753	0.1162900	0.23527428	2.5986817	21	1 25.3	19.8
303628 2005 JO_{76}	16.0	X	126.50548	57.97543	233.45911	12.60582	0.1970291	0.21197102	2.7858115	21	12 31.2	20.9
303629 2005 JG_{80}	17.1	X	350.09558	251.30847	67.92403	25.54990	0.0453689	0.38163387	1.8823691	21	9 11.4	19.6
303630 2005 JO_{81}	16.3	X	345.49641	323.93913	230.78146	12.79520	0.1065026	0.23675153	2.5878605	21	1 28.9	19.7
303631 2005 JK_{86}	16.6	X	112.88140	281.09091	80.98896	2.89789	0.0695001	0.22390316	2.6859375	21	—	—
303632 2005 JD_{90}	17.5	X	58.90197	39.16856	100.45029	2.56009	0.0999203	0.24070664	2.5594344	21	3 22.1	20.3
303633 2005 JZ_{92}	15.7	X	357.63971	223.19013	259.62285	10.76878	0.0260938	0.22893900	2.6464043	21	—	—
303634 2005 JL_{95}	17.4	X	40.95484	282.39513	271.27775	0.54594	0.1332521	0.25161653	2.4849058	21	5 8.8	19.7
303635 2005 JO_{100}	16.4	X	139.42210	206.34917	135.20433	7.06324	0.0337167	0.22390031	2.6859603	21	—	—
303636 2005 JR_{105}	16.1	X	199.85249	126.98575	83.73096	4.79436	0.0337908	0.21425049	2.7660169	21	12 14.4	19.8
303637 2005 JX_{133}	16.3	X	58.44475	249.95692	117.37429	5.58118	0.0844176	0.21425226	2.7660017	21	—	—
303638 2005 JZ_{139}	16.3	X	30.42767	38.12883	74.45719	15.00967	0.0741212	0.22979817	2.6398039	21	—	—
303639 2005 JM_{142}	16.5	X	283.24782	178.06965	60.90528	16.55507	0.1721357	0.23406226	2.6076449	21	1 4.9	20.7
303640 2005 JC_{145}	15.6	X	127.75305	81.34238	230.82410	10.90582	0.1230640	0.21502307	2.7593874	21	—	—
303641 2005 JN_{147}	15.1	X	45.31202	173.00209	112.00928	19.08249	0.2480228	0.19574517	2.9377083	21	10 20.9	19.4
303642 2005 JW_{159}	16.6	X	85.28563	292.67029	37.16184	4.10564	0.0957551	0.21379663	2.7699301	21	—	—
303643 2005 JM_{161}	16.2	X	115.05242	135.87378	166.86791	4.94293	0.0681983	0.21359298	2.7716905	21	12 30.8	20.4
303644 2005 JQ_{167}	16.7	X	6.48315	281.03838	259.11273	4.46760	0.2079198	0.23809111	2.5781446	21	2 3.2	19.2
303645 2005 JW_{176}	16.7	X	300.07282	308.80704	203.21303	10.09317	0.0657512	0.22201423	2.7011509	21	—	—
303646 2005 KQ_1	15.9	X	83.52029	265.93327	74.96011	13.20745	0.1757252	0.21199200	2.7856277	21	—	—
303647 2005 KL_2	16.6	X	343.70552	175.13060	75.09227	14.54030	0.0090535	0.24378176	2.5378654	21	5 2.0	20.0
303648 Mikszáth	17.6	X	140.69649	287.46958	240.11117	20.31453	0.0505732	0.37791092	1.8947115	21	8 9.8	20.3
303649 2005 KP_{11}	17.4	X	146.11804	290.96669	245.09662	19.48915	0.0692848	0.38195366	1.8813182	21	8 31.9	20.2
303650 2005 LO_2	15.7	X	124.17841	196.35545	107.02957	14.84534	0.0385783	0.21404127	2.7678191	21	—	—
303651 2005 LV_{13}	16.6	X	46.78567	322.49896	163.94918	4.93527	0.1631773	0.23579127	2.5948817	21	2 13.6	19.2
303652 2005 LY_{17}	16.6	X	39.08299	287.42887	231.10906	11.91394	0.2035985	0.24074426	2.5591677	21	3 13.7	19.1
303653 2005 LZ_{20}	16.7	X	79.77708	195.27240	145.46080	7.22962	0.1839519	0.21037629	2.7998721	21	—	—
303654 2005 LX_{23}	15.7	X	259.06129	233.98095	183.05639	11.21671	0.0831632	0.18048608	3.1010367	21	8 2.3	20.3
303655 2005 LC_{30}	16.0	X	168.50371	85.06505	224.89200	13.24021	0.0769521	0.22512861	2.6761817	21	—	—
303656 2005 LP_{35}	15.6	X	359.66600	211.43080	113.57248	16.28251	0.0096200	0.19043689	2.9920488	21	9 1.9	19.9
303657 2005 LW_{36}	16.1	X	23.89157	233.22402	126.79940	11.66715	0.0200533	0.20019852	2.8939797	21	11 18.6	20.2
303658 2005 LV_{37}	16.7	X	334.48334	343.48794	218.91538	12.72890	0.1921676	0.23570344	2.5955263	21	1 12.0	20.2
303659 2005 LO_{38}	16.5	X	61.85658	9.77481	135.46573	6.29848	0.2300483	0.24242996	2.5472908	21	4 24.8	19.1
303660 2005 LZ_{44}	15.7	X	66.20891	172.63331	205.53027	12.80193	0.1388872	0.21475783	2.7616589	21	—	—
303661 2005 LF_{49}	16.3	X	52.03068	86.57109	233.77029	11.22626	0.1770946	0.20199174	2.8768263	21	11 23.9	20.1
303662 2005 LV_{52}	15.8	X	343.13041	233.47447	115.04100	8.66172	0.2564534	0.18795738	3.0183051	21	9 3.7	18.5
303663 2005 MN_2	15.9	X	311.25379	336.41812	244.70084	10.56898	0.1987443	0.23313589	2.6145481	21	1 7.5	19.7
303664 2005 MY_{11}	16.0	X	76.55535	158.36362	232.52012	12.43739	0.1380733	0.21899673	2.7259065	21	—	—
303665 2005 ML_{14}	15.6	X	336.13826	33.53930	273.78036	9.49708	0.1081635	0.18178511	3.0862458	21	6 27.9	19.3
303666 2005 MB_{15}	15.7	X	306.56840	143.43777	289.16889	9.72260	0.0961620	0.19495437	2.9456472	21	10 24.7	19.5
303667 2005 MA_{18}	15.8	X	12.97365	38.98003	293.13707	8.94415	0.1061995	0.19107229	2.9854118	21	9 27.1	19.7
303668 2005 MH_{34}	15.9	X	30.18920	199.79598	132.48201	9.76739	0.0944006	0.19324770	2.9629648	21	10 31.3	19.9
303669 2005 MD_{36}	16.2	X	331.88533	337.15333	38.29186	2.11223	0.1433884	0.18936791	3.0032982	21	9 21.3	19.6
303670 2005 MU_{37}	16.6	X	312.87159	76.03018	269.27536	2.43471	0.1352300	0.18211430	3.0825255	21	7 8.3	20.4
303671 2005 MS_{38}	16.7	X	308.87235	166.84729	170.28590	1.20157	0.1540394	0.18015948	3.1047833	21	6 18.5	20.6
303672 2005 MO_{40}	15.9	X	305.69078	235.99165	144.74550	10.48928	0.1169992	0.18664459	3.0324416	21	8 16.5	19.6
303673 2005 MV_{40}	16.2	X	45.36457	161.21701	144.24984	9.22192	0.0643248	0.19395495	2.9557575	21	10 13.2	20.3
303674 2005 MV_{41}	16.0	X	327.96926	264.35651	110.95830	10.50109	0.1737926	0.18844984	3.0130444	21	9 15.4	19.4
303675 2005 MA_{47}	15.6	X	349.05443	18.42853	305.13116	12.17869	0.1419337	0.18563122	3.0434678	21	8 9.2	19.0
303676 2005 MW_{50}	16.0	X	22.71765	46.48072	309.12171	10.85651	0.0369491	0.19663530	2.9288360	21	11 4.8	20.2
303677 2005 MH_{53}	16.4	X	321.17568	58.73352	278.07899	1.87463	0.2339846	0.18112882	3.0936964	21	6 26.4	19.7
303678 2005 MH_{54}	15.5	X	283.36456	252.16455	126.11920	16.36521	0.2867111	0.17894707	3.1187913	21	6 18.8	20.2
303679 2005 NA_5	16.7	X	334.07121	210.36087	148.94075	0.77382	0.1505415	0.18764395	3.0216651	21	9 1.5	20.1
303680 2005 NP_6	16.0	X	185.18376	333.23668	279.17903	6.54132	0.1220439	0.21049716	2.7988001	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
303681 2005 NL_{18}	16.3	X	146.03097	334.19334	290.01307	6.42758	0.0819692	0.20472088	2.8512018	21	12 15.9	20.6
303682 2005 NG_{28}	15.6	X	3.69446	153.86208	141.31088	10.42346	0.0601291	0.18382142	3.0634112	21	7 26.4	19.5
303683 2005 NA_{30}	16.1	X	296.12059	243.37081	139.57344	2.05930	0.2070108	0.18417869	3.0594484	21	7 21.9	20.1
303684 2005 NO_{37}	16.1	X	351.31652	187.84930	144.10334	11.32697	0.1562803	0.18621314	3.0371239	21	8 27.7	19.3
303685 2005 NH_{44}	15.7	X	38.14597	3.43606	289.02227	8.92043	0.0893221	0.19051682	2.9912118	21	9 11.3	19.8
303686 2005 NN_{60}	15.3	X	334.80241	174.56031	149.17616	18.21653	0.2171608	0.18043823	3.1015849	21	7 7.6	18.9
303687 2005 NN_{64}	16.3	X	307.03186	87.11382	241.68570	3.59024	0.1310542	0.17945382	3.1129172	21	6 8.2	20.3
303688 2005 NY_{65}	15.7	X	347.24456	338.07329	297.81632	8.26366	0.0589217	0.17796755	3.1302246	21	6 6.3	19.8
303689 2005 NJ_{67}	15.3	X	305.12799	74.58139	278.33591	15.36743	0.2353441	0.17837437	3.1254634	21	6 21.4	19.3
303690 2005 NO_{74}	16.2	X	110.14771	352.51037	295.14810	5.06471	0.0273412	0.20243069	2.8726661	21	12 1.9	20.4
303691 2005 NA_{77}	15.7	X	325.64018	50.38940	247.63617	9.47223	0.1563906	0.17865072	3.1222394	21	5 23.2	19.5
303692 2005 NH_{77}	16.0	X	307.01325	194.87010	169.09148	12.03424	0.1073487	0.18365750	3.0652338	21	7 26.5	20.1
303693 2005 NT_{80}	15.9	X	289.31536	110.39364	228.74949	12.36228	0.1196407	0.17888774	3.1194809	21	5 30.0	20.2
303694 2005 NG_{111}	16.5	X	101.17290	119.53003	121.85547	3.90899	0.1503199	0.19561998	2.9389616	21	10 9.9	21.0
303695 2005 OL_{8}	15.4	X	37.46408	335.06411	279.66736	10.06841	0.0472081	0.18349932	3.0669950	21	7 20.6	19.5
303696 2005 OH_{12}	15.7	X	293.28867	277.94987	86.78603	3.51584	0.1575302	0.17830767	3.1262428	21	7 1.7	19.9
303697 2005 OJ_{16}	16.5	X	338.21163	74.96193	281.71397	3.33157	0.1934190	0.18539465	3.0460563	21	9 1.6	19.8
303698 2005 OP_{18}	16.0	X	299.00064	47.05686	319.99983	8.84057	0.0761245	0.17954374	3.1118779	21	7 26.0	20.1
303699 2005 OX_{22}	16.2	X	359.44717	317.25851	327.29183	0.44001	0.1594348	0.18092264	3.0960462	21	7 6.3	19.4
303700 2005 OJ_{24}	16.2	X	343.67730	188.93416	172.33336	8.99458	0.1030174	0.18794468	3.0184410	21	9 23.3	19.6
303701 2005 OX_{26}	15.4	X	7.09484	259.73834	50.04040	21.76320	0.2333881	0.18615128	3.0377967	21	9 17.1	19.0
303702 2005 OE_{27}	16.0	X	225.23257	347.95821	292.48091	13.00717	0.0943210	0.21836024	2.7312010	21	1 6.2	20.0
303703 2005 OO_{27}	16.4	X	11.05890	65.87707	243.67773	4.09046	0.2388949	0.18521935	3.0479779	21	9 8.4	19.5
303704 2005 OS_{28}	16.0	X	314.63566	211.11256	170.04870	9.68941	0.1057353	0.18378838	3.0637784	21	8 31.5	19.9
303705 2005 OX_{28}	15.9	X	7.82130	20.50891	324.86911	9.45031	0.1117449	0.19132177	2.9828159	21	10 7.4	19.7
303706 2005 OZ_{30}	16.0	X	318.01756	13.14114	294.72716	8.17869	0.1725804	0.17753534	3.1353030	21	5 20.4	20.0
303707 2005 PX	16.1	X	331.18339	309.21309	19.94757	5.50033	0.1781724	0.18185477	3.0854577	21	7 13.8	19.7
303708 2005 PK_{1}	16.2	X	293.12522	15.42230	327.30189	13.75921	0.1933813	0.17706303	3.1408760	21	5 25.3	20.9
303709 2005 PL_{9}	16.3	X	356.39857	203.76374	133.32401	6.22982	0.1506605	0.18664625	3.0324236	21	9 14.9	19.6
303710 Velpeau	15.9	X	235.36611	92.57617	319.92886	5.71426	0.0676830	0.17860131	3.1228153	21	7 4.2	20.6
303711 2005 PW_{17}	16.6	X	48.95968	82.78138	221.53476	4.02453	0.2237687	0.19276810	2.9678773	21	11 5.4	20.5
303712 2005 PR_{21}	6.0	X	53.80815	313.96704	339.02178	1.33317	0.1086570	0.00331739	44.5251254	21	9 20.8	22.2
303713 2005 PV_{21}	16.0	X	54.70755	324.72456	343.82174	5.87564	0.1309491	0.19326270	2.9628115	21	11 2.2	20.1
303714 2005 QT_{2}	15.6	X	42.63359	13.23754	243.76461	7.39400	0.1266272	0.18383447	3.0632663	21	8 8.3	19.6
303715 2005 QY_{2}	16.0	X	320.03002	194.89885	156.61286	9.98210	0.1641550	0.18212708	3.0823813	21	7 23.8	19.8
303716 2005 QU_{3}	15.6	X	341.11157	16.85260	342.27555	10.50043	0.1221738	0.18507407	3.0495728	21	9 13.6	19.0
303717 2005 QV_{8}	15.9	X	280.72482	30.96724	323.28508	4.13158	0.2287554	0.17420757	3.1751046	21	5 21.9	20.6
303718 2005 QL_{12}	16.0	X	7.41785	133.56319	171.59777	8.37672	0.1770634	0.18441761	3.0568054	21	8 20.3	19.3
303719 2005 QM_{13}	15.5	X	278.50360	212.38085	167.66062	17.56143	0.2258443	0.17682613	3.1436807	21	6 22.7	20.4
303720 2005 QA_{15}	15.7	X	37.99544	301.47629	335.32654	10.22315	0.0590134	0.18291230	3.0735535	21	8 22.6	19.8
303721 2005 QW_{15}	15.9	X	102.55800	45.43441	159.78218	10.21878	0.0287767	0.18054513	3.1003605	21	8 8.9	20.3
303722 2005 QO_{16}	15.9	X	55.53110	263.78617	353.77284	14.23027	0.2204213	0.18463712	3.0543822	21	9 14.8	19.8
303723 2005 QX_{16}	15.8	X	325.68124	354.33756	357.60522	8.77342	0.0474479	0.18016327	3.1047398	21	8 18.1	19.9
303724 2005 QB_{24}	15.9	X	287.14445	219.22954	163.93912	9.83489	0.0443651	0.17762131	3.1342911	21	8 1.7	20.3
303725 2005 QK_{34}	15.3	X	262.70804	190.39497	162.79469	16.54605	0.1115058	0.17172941	3.2055774	21	5 20.3	20.3
303726 2005 QE_{35}	15.4	X	275.28962	25.06260	351.01253	21.80852	0.2095229	0.17512283	3.1640320	21	6 14.5	20.5
303727 2005 QO_{38}	15.7	X	311.38641	16.24558	338.41741	11.97370	0.1160142	0.18050091	3.1008668	21	7 24.4	19.8
303728 2005 QY_{38}	15.7	X	203.93930	154.65682	328.84881	10.66284	0.0544848	0.18307132	3.0717733	21	8 26.7	20.1
303729 2005 QM_{43}	15.7	X	341.48294	22.89597	306.40232	10.34068	0.1273878	0.18156981	3.0886850	21	8 4.5	19.1
303730 2005 QO_{50}	15.8	X	266.39202	306.06695	76.30926	3.69395	0.2069777	0.17359757	3.1825381	21	6 13.9	20.7
303731 2005 QD_{54}	16.0	X	347.50967	57.93152	185.17433	4.61554	0.0821407	0.16915646	3.2380011	21	4 25.4	20.2
303732 2005 QF_{54}	15.7	X	165.97432	138.95264	335.02676	13.90106	0.0802863	0.17437232	3.1731043	21	7 6.3	20.7
303733 2005 QV_{57}	15.5	X	300.93201	282.74591	21.80124	15.31569	0.2440660	0.17349608	3.1837791	21	4 12.7	20.0
303734 2005 QP_{62}	16.1	X	262.36181	57.04427	354.86850	9.58037	0.1449079	0.17856231	3.1232699	21	7 27.5	20.7
303735 2005 QV_{64}	15.6	X	248.37556	57.01291	2.72562	9.05652	0.0631242	0.17845829	3.1244835	21	7 31.8	20.2
303736 2005 QH_{65}	15.7	X	292.08278	218.13365	146.77931	9.00821	0.0648665	0.17621024	3.1510016	21	7 13.5	20.1
303737 2005 QR_{66}	15.9	X	298.59231	290.96144	54.98923	2.16909	0.2211848	0.17576644	3.1563034	21	6 4.5	20.2
303738 2005 QJ_{68}	15.8	X	334.97800	324.84442	5.23976	9.52870	0.2173563	0.18222957	3.0812255	21	7 20.3	19.2
303739 2005 QX_{68}	15.4	X	20.92507	255.34448	73.21802	9.70536	0.1009548	0.18901946	3.0069881	21	10 13.9	19.3
303740 2005 QQ_{79}	15.0	X	310.05204	9.29890	322.08673	14.04445	0.1982245	0.17629855	3.1499492	21	6 4.6	19.3
303741 2005 QB_{83}	15.8	X	9.34701	359.65737	329.05610	7.03302	0.1551162	0.18537298	3.0462936	21	9 22.9	19.4
303742 2005 QW_{86}	15.9	X	309.02451	340.33225	336.23257	10.83302	0.0603477	0.17499563	3.1655650	21	6 3.5	20.4
303743 2005 QZ_{86}	15.4	X	317.25507	150.52999	198.23336	16.67662	0.2439674	0.17923646	3.1154335	21	7 2.0	19.4
303744 2005 QH_{89}	17.1	X	142.99402	315.51031	194.67107	21.81750	0.0618101	0.36469587	1.9402104	21	7 22.5	20.0
303745 2005 QB_{92}	15.9	X	262.94269	266.93569	169.63664	16.30634	0.3814201	0.17660425	3.1463132	21	7 25.4	21.2
303746 2005 QD_{97}	15.3	X	288.22789	240.22277	151.66486	20.18371	0.2890677	0.17904064	3.1177046	21	7 9.8	19.9
303747 2005 QH_{97}	15.6	X	306.25173	300.77103	39.08738	4.67604	0.1876376	0.17785581	3.1315356	21	6 12.5	19.7
303748 2005 QG_{101}	15.9	X	277.93014	168.09701	205.68756	4.48705	0.1368537	0.17639099	3.1488487	21	6 25.9	20.3
303749 2005 QT_{103}	15.7	X	252.79787	205.56070	175.77238	10.85544	0.1042335	0.17336689	3.1853606	21	6 11.1	20.6
303750 2005 QH_{105}	16.0	X	336.89346	343.09875	16.03041	5.73438	0.1582742	0.18456975	3.0551253	21	9 7.8	19.3
303751 2005 QV_{105}	15.8	X	331.78657	232.98305	121.63628	6.03529	0.1757816	0.18287215	3.0740033	21	8 20.2	19.1
303752 2005 QE_{119}	16.7	X	130.31376	214.70277	18.27988	1.45414	0.0142152	0.19116795	2.9844158	21	10 17.5	20.9
303753 2005 QG_{123}	16.5	X	46.55477	335.09334	316.50906	1.76759	0.1474593	0.18776742	3.0203404	21	10 4.2	20.3
303754 2005 QJ_{125}	16.6	X	307.14351	242.77115	82.36873	0.14105	0.1750401	0.17572903	3.1567513	21	5 27.9	20.5
303755 2005 QP_{126}	16.2	X	227.75275	72.58755	4.96525	0.95187	0.1529034	0.17641751	3.1485331	21	7 18.7	21.1
303756 2005 QE_{127}	16.1	X	312.15122	189.61045	162.58590	11.33479	0.0982038	0.17941728	3.1133399	21	7 20.1	20.3
303757 2005 QF_{127}	16.1	X	32.67630	298.43655	348.33231	5.20283	0.0176203	0.18221776	3.0813586	21	8 23.8	20.4
303758 2005 QU_{129}	15.1	X	293.51511	22.71437	4.56966	11.42033	0.0996615	0.18009493	3.1055252	21	8 13.8	19.4
303759 2005 QG_{135}	16.6	X	28.87815	213.40972	77.86025	1.21369	0.2152673	0.18447345	3.0561885	21	9 17.8	20.0
303760 2005 QS_{140}	16.2	X	200.72825	298.32759	166.08011	9.15329	0.0503895	0.17862851	3.1224982	21	7 29.2	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
303761 2005 QH_{148}	15.9	X	313.43023	246.73731	112.16704	10.59236	0.2594965	0.18155093	3.0888992	21	7 8.8	19.4
303762 2005 QQ_{148}	15.4	X	268.53068	250.37242	139.25869	26.31591	0.3277030	0.17491819	3.1664993	21	6 15.7	20.9
303763 2005 QD_{158}	15.9	X	39.74015	209.80293	100.81113	4.98347	0.1146325	0.18737599	3.0245453	21	10 17.5	19.9
303764 2005 QS_{160}	15.6	X	270.42846	249.48600	156.11440	10.97132	0.0364333	0.17827110	3.1266702	21	8 10.3	20.0
303765 2005 QP_{163}	15.9	X	308.51476	192.77860	152.26693	12.23485	0.0984614	0.17634234	3.1494278	21	7 6.1	20.2
303766 2005 QG_{168}	15.6	X	354.71384	39.52294	282.77505	8.64815	0.1391513	0.18341270	3.0679606	21	8 16.1	19.2
303767 2005 QJ_{169}	15.2	X	309.81872	213.65957	109.45657	10.14877	0.0821014	0.17426429	3.1744155	21	6 12.7	19.5
303768 2005 QL_{171}	15.9	X	290.75312	51.96783	310.90841	7.83753	0.0972123	0.17513528	3.1638820	21	7 5.6	20.1
303769 2005 QD_{172}	15.6	X	263.41086	196.61503	197.81130	9.77190	0.2415100	0.17356011	3.1829960	21	6 21.4	20.7
303770 2005 QR_{172}	16.0	X	315.18337	29.22479	301.25466	4.86145	0.1679359	0.17546709	3.1598922	21	6 17.5	19.9
303771 2005 QB_{173}	15.5	X	315.58056	349.12903	346.37390	8.64655	0.0888891	0.17480576	3.1678569	21	7 7.1	19.7
303772 2005 QS_{173}	16.0	X	316.36046	135.45659	196.20593	9.62469	0.2332405	0.17757299	3.1348597	21	6 11.3	19.9
303773 2005 QK_{174}	15.4	X	353.90952	128.15708	215.24232	9.84769	0.0783316	0.18511487	3.0491246	21	9 11.4	19.5
303774 2005 QG_{180}	15.7	X	262.70603	57.08274	356.94937	15.52528	0.2732912	0.17700006	3.1416208	21	7 15.5	20.8
303775 2005 QU_{182}	3.6	X	14.63182	224.47140	78.34962	14.03631	0.6767718	0.00080617	114.3363039	21	10 19.9	21.0
303776 2005 QM_{183}	16.0	X	28.64935	150.86156	134.30025	13.08757	0.1719565	0.18578650	3.0417717	21	9 4.6	19.6
303777 2005 QW_{187}	15.7	X	240.95926	66.81029	348.89331	26.34077	0.1492049	0.17619986	3.1511253	21	7 13.1	21.0
303778 2005 QR_{188}	16.3	X	286.16534	70.64263	325.68453	3.94761	0.1532224	0.17881348	3.1203445	21	8 3.1	20.6
303779 2005 QU_{189}	16.1	X	139.97727	194.17645	11.60418	2.86921	0.0151182	0.18587253	3.0408330	21	9 25.1	20.3
303780 2005 QU_{190}	15.7	X	314.37839	327.27716	30.65934	5.50654	0.1615468	0.18000284	3.1065843	21	7 26.1	19.5
303781 2005 RP	16.1	X	282.39256	212.47346	158.64934	6.00063	0.1793092	0.17748842	3.1358555	21	6 22.2	20.6
303782 2005 RU_{12}	16.5	X	304.86370	268.63113	8.55952	1.95454	0.1969805	0.16980613	3.2297368	21	3 22.5	20.9
303783 2005 RT_{20}	15.4	X	336.06030	122.11590	223.32075	14.82012	0.1189828	0.17974350	3.1095718	21	8 11.9	19.6
303784 2005 RU_{22}	15.0	X	333.42546	353.32507	319.12424	11.87542	0.1334692	0.17798941	3.1299683	21	6 29.6	18.9
303785 2005 RM_{33}	15.3	X	266.84085	270.28570	127.78966	15.23280	0.2232066	0.17434221	3.1734697	21	7 2.4	20.2
303786 2005 RP_{34}	16.2	X	252.93879	202.18829	211.87520	9.77466	0.0294451	0.18007576	3.1057456	21	7 28.8	20.8
303787 2005 RB_{41}	15.5	X	250.84081	238.11826	160.66299	9.90309	0.1030645	0.17482281	3.1676509	21	6 29.8	20.3
303788 2005 RS_{42}	16.1	X	256.35208	50.54748	30.66701	3.75476	0.0884186	0.18017903	3.1045587	21	9 1.9	20.6
303789 2005 RA_{44}	15.5	X	328.27925	69.83560	256.85087	13.25600	0.2161273	0.17766214	3.1338109	21	6 27.6	18.9
303790 2005 RZ_{47}	15.8	X	89.79765	209.81302	37.06773	13.45164	0.0183829	0.18138730	3.0907565	21	9 20.8	20.3
303791 2005 SX_{3}	16.3	X	308.60862	200.10411	178.66401	8.70216	0.0717902	0.17872589	3.1213639	21	8 21.8	20.5
303792 2005 SG_{9}	15.9	X	259.52919	270.35911	117.55464	11.10233	0.2223779	0.17375759	3.1805840	21	6 13.1	21.0
303793 2005 SQ_{24}	15.1	X	3.04606	270.01276	26.57970	16.74742	0.1875950	0.17984222	3.1084337	21	8 8.9	18.8
303794 2005 SW_{24}	15.8	X	256.26715	28.25442	28.76222	15.12748	0.2790888	0.17438529	3.1729470	21	7 10.3	21.1
303795 2005 SR_{28}	16.2	X	334.04440	107.09254	220.10019	8.44135	0.0850284	0.17565866	3.1575943	21	7 20.8	20.4
303796 2005 SS_{28}	16.0	X	255.44712	196.67988	218.04045	8.95658	0.0860428	0.17447887	3.1718124	21	7 25.1	20.7
303797 2005 SL_{29}	15.9	X	267.98481	33.64355	339.27605	4.41345	0.1731034	0.17149331	3.2085188	21	6 7.8	20.7
303798 2005 SJ_{30}	15.8	X	297.56328	213.92177	119.87183	2.91168	0.1975938	0.17174420	3.2053933	21	5 23.1	20.2
303799 2005 SO_{39}	15.2	X	19.63990	249.81047	14.57080	16.11413	0.2052029	0.17633182	3.1495530	21	7 27.9	19.0
303800 2005 SC_{40}	15.9	X	330.54309	89.61061	192.45276	4.39799	0.0985324	0.16855171	3.2457416	21	5 18.7	20.0
303801 2005 SU_{41}	16.1	X	261.37158	38.56006	359.02078	10.32117	0.0947607	0.17295915	3.1903648	21	7 14.4	20.9
303802 2005 ST_{42}	15.5	X	157.88318	279.35048	209.09894	15.98528	0.0777376	0.16960371	3.2323061	21	7 9.9	20.7
303803 2005 SP_{44}	16.0	X	300.58838	100.51039	253.32241	2.81572	0.1495573	0.17384697	3.1794936	21	6 28.9	20.1
303804 2005 SD_{45}	16.1	X	321.88986	76.60412	269.70020	2.18420	0.1068356	0.17574444	3.1565668	21	7 27.2	19.9
303805 2005 SB_{50}	16.5	X	211.74693	265.37771	192.36414	1.80068	0.1866211	0.17018789	3.2249052	21	7 25.3	21.7
303806 2005 SY_{50}	15.6	X	74.76069	217.16384	22.05606	15.94979	0.0514264	0.17580081	3.1558920	21	8 29.1	20.2
303807 2005 SU_{58}	15.1	X	329.65611	267.30694	16.70127	11.12031	0.2088477	0.17069939	3.2184596	21	5 1.9	19.0
303808 2005 SR_{60}	15.3	X	228.03384	32.69452	18.35158	33.18596	0.0679287	0.16955566	3.2329168	21	6 18.6	20.7
303809 2005 SW_{64}	15.6	X	293.03215	22.20080	336.34851	8.72189	0.1026109	0.17486413	3.1671519	21	7 2.7	20.0
303810 2005 SE_{66}	15.0	X	280.52755	151.44507	212.21241	15.31583	0.1416467	0.17282238	3.1920479	21	6 15.2	19.7
303811 2005 SS_{67}	15.6	X	293.37128	39.81792	1.06722	9.21947	0.0512025	0.18042497	3.1017369	21	9 4.6	19.7
303812 2005 SY_{74}	16.2	X	271.42139	218.37012	185.29359	8.10798	0.1808778	0.17607962	3.1525597	21	7 18.4	20.8
303813 2005 SD_{77}	16.1	X	294.69127	17.08403	13.36111	10.30723	0.0136861	0.17923756	3.1154207	21	8 30.5	20.5
303814 2005 SH_{77}	16.4	X	293.81132	210.89034	154.29248	1.77197	0.1704288	0.17552462	3.1592017	21	6 30.8	20.6
303815 2005 SE_{81}	16.6	X	359.10867	279.69567	20.89269	3.28868	0.1902825	0.17955078	3.1117965	21	7 30.1	19.8
303816 2005 SQ_{81}	16.1	X	144.22510	350.71980	179.22524	12.37080	0.0981954	0.17698252	3.1418284	21	8 17.9	21.0
303817 2005 SS_{82}	15.7	X	290.72095	167.26898	195.56980	12.63411	0.1023000	0.17425966	3.1744718	21	7 2.6	20.3
303818 2005 SS_{89}	16.1	X	144.02627	161.15545	355.58280	3.04755	0.0203549	0.17211992	3.2007269	21	7 30.2	20.6
303819 2005 SS_{94}	15.2	X	331.56170	102.97403	252.35109	15.28862	0.1224391	0.18175277	3.0866119	21	8 15.9	19.3
303820 2005 SX_{100}	15.8	X	207.78585	110.90903	4.17619	13.47553	0.2403992	0.17071154	3.2183069	21	8 14.3	21.4
303821 2005 SQ_{103}	15.0	X	329.59665	327.44924	22.29545	11.50869	0.1122346	0.17735335	3.1374474	21	8 18.8	19.0
303822 2005 ST_{109}	15.3	X	41.35177	266.00032	15.84676	10.55309	0.0732021	0.17891103	3.1192101	21	9 7.4	19.5
303823 2005 SJ_{111}	15.8	X	283.02143	197.15068	212.87927	10.26506	0.1032240	0.17980444	3.1088692	21	8 19.9	20.2
303824 2005 SG_{112}	15.5	X	312.95676	122.13356	233.37549	10.69256	0.1222267	0.17738033	3.1371292	21	7 20.8	19.7
303825 2005 SX_{113}	15.6	X	240.53121	67.53433	6.49539	11.04495	0.1634838	0.17447526	3.1718562	21	7 29.7	20.6
303826 2005 SB_{118}	15.3	X	350.40204	271.78058	31.02262	11.27101	0.1482571	0.17760315	3.1345048	21	7 17.2	19.1
303827 2005 SU_{119}	15.1	X	302.72205	152.32560	242.39299	17.28425	0.1867170	0.18343811	3.0676773	21	8 12.1	19.4
303828 2005 SX_{120}	16.0	X	156.47412	341.08090	188.42123	9.48881	0.0986507	0.17878125	3.1207196	21	8 30.3	20.9
303829 2005 SO_{123}	16.2	X	334.73855	86.44508	260.37327	3.55242	0.1295028	0.18017174	3.1046425	21	8 15.5	19.8
303830 2005 SY_{123}	15.1	X	208.87471	3.87131	23.81885	15.77850	0.0421052	0.16432943	3.3011036	21	5 2.7	20.1
303831 2005 SJ_{127}	16.1	X	218.46926	242.32945	190.29979	7.82300	0.0416264	0.17227620	3.1987910	21	7 10.5	20.9
303832 2005 SB_{130}	15.6	X	322.40164	119.42765	197.12949	13.00583	0.2840421	0.17550272	3.1594645	21	5 24.9	19.4
303833 2005 ST_{139}	16.0	X	288.79010	350.52938	41.15997	3.67380	0.0895424	0.17737647	3.1371748	21	8 11.4	20.3
303834 2005 SY_{145}	15.5	X	276.61121	352.26592	16.60268	24.53437	0.0795441	0.17274063	3.1930548	21	6 26.3	20.5
303835 2005 SM_{147}	16.2	X	203.78997	275.86129	185.86339	4.60769	0.1088569	0.17112213	3.2131569	21	7 26.2	21.2
303836 2005 SZ_{156}	15.8	X	203.59321	92.17392	29.75567	9.58406	0.0216592	0.17702377	3.1413404	21	8 31.4	20.4
303837 2005 SF_{162}	16.4	X	349.52179	113.41706	200.08841	7.27482	0.1831584	0.17821883	3.1272816	21	7 24.7	20.0
303838 2005 SS_{162}	15.9	X	269.31045	174.98963	198.35744	14.65100	0.1647199	0.17175662	3.2052388	21	6 11.6	20.8
303839 2005 SO_{164}	15.0	X	303.52189	299.70498	56.63057	13.94726	0.1244726	0.17327737	3.1864577	21	7 11.3	19.4
303840 2005 ST_{168}	16.4	X	241.33481	194.68413	219.81250	8.41415	0.1219949	0.17288864	3.1912322	21	7 5.7	21.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
303841 2005 SS_{170}	15.2	X	308.89691	136.89887	200.23883	14.26506	0.0645222	0.17537296	3.1610228	21	6 29.6	19.7
303842 2005 SJ_{171}	16.1	X	56.51090	290.75129	346.94696	5.76760	0.0492686	0.18185098	3.0855005	21	9 15.4	20.2
303843 2005 SO_{172}	16.3	X	10.61170	215.55494	47.76716	1.36959	0.1058475	0.17296446	3.1902995	21	6 26.4	20.0
303844 2005 SM_{175}	15.8	X	283.26220	124.63564	214.02995	13.09950	0.0218407	0.16829624	3.2490254	21	6 5.4	20.5
303845 2005 SV_{176}	16.0	X	297.88021	143.32519	239.19589	3.72226	0.0946398	0.17731859	3.1378574	21	8 8.4	20.2
303846 2005 SW_{182}	16.3	X	168.56650	128.64060	10.14974	11.25789	0.0281403	0.17346660	3.1841399	21	8 10.1	21.0
303847 2005 SH_{189}	16.0	X	174.86960	73.78508	49.65851	2.08791	0.1392702	0.16916727	3.2378632	21	7 25.7	21.1
303848 2005 SS_{189}	15.8	X	258.04023	43.83957	20.43914	5.90570	0.0673447	0.17535773	3.1612058	21	8 17.1	20.3
303849 2005 SH_{192}	16.5	X	328.51320	177.17743	142.52023	1.25414	0.2376148	0.17462557	3.1700358	21	6 16.1	19.8
303850 2005 SR_{193}	15.3	X	160.02712	17.33072	23.27143	11.06833	0.1102870	0.15449929	3.4396827	21	4 3.6	20.6
303851 2005 SP_{196}	15.6	X	297.46224	19.70233	15.06195	10.97656	0.0771983	0.17986774	3.1081397	21	9 1.2	19.8
303852 2005 SQ_{196}	16.3	X	237.75711	47.78999	22.25212	3.69853	0.0931486	0.17463979	3.1698637	21	7 26.7	20.9
303853 2005 SN_{200}	16.0	X	328.73062	287.84916	29.65892	5.59087	0.2245913	0.17621668	3.1509248	21	6 14.8	19.7
303854 2005 SS_{202}	16.3	X	256.99507	225.16506	183.24622	9.13346	0.1140989	0.17532594	3.1615879	21	7 16.4	21.0
303855 2005 SC_{205}	15.4	X	314.71947	317.83080	40.54140	10.18043	0.1457298	0.17771361	3.1332058	21	7 31.2	19.4
303856 2005 SA_{210}	15.5	X	343.88238	60.14815	252.54131	5.26821	0.1314246	0.17743727	3.1364581	21	7 16.0	19.1
303857 2005 SC_{226}	15.2	X	179.85657	87.30723	9.34827	21.65119	0.0190418	0.17055261	3.2203059	21	6 27.8	20.3
303858 2005 SJ_{228}	16.2	X	249.28617	201.61987	183.92206	8.99017	0.0756029	0.17165602	3.2064910	21	6 15.3	21.0
303859 2005 SZ_{231}	15.4	X	296.75117	58.41464	257.56793	10.93737	0.1103990	0.16921325	3.2372766	21	5 10.7	19.9
303860 2005 SQ_{240}	15.6	X	220.62968	247.61718	229.67541	10.41746	0.0691512	0.17812609	3.1283669	21	9 1.4	20.5
303861 2005 SQ_{250}	15.8	X	282.72783	281.06212	94.14307	4.19446	0.2070623	0.17605052	3.1529071	21	6 23.7	20.3
303862 2005 SE_{256}	15.4	X	268.40509	49.75209	354.85375	10.73905	0.0158114	0.17862355	3.1225561	21	8 13.8	19.9
303863 2005 SF_{257}	15.9	X	13.39433	291.88505	29.94074	9.94395	0.0787395	0.18294302	3.0732094	21	9 19.8	19.9
303864 2005 SU_{268}	15.8	X	330.68872	121.46075	213.94881	25.85280	0.2093811	0.17899759	3.1182045	21	7 9.9	19.9
303865 2005 SZ_{268}	14.8	X	142.51796	190.74640	3.90045	16.72794	0.0814171	0.18028489	3.1033433	21	9 18.9	19.5
303866 2005 SA_{272}	15.8	X	6.25620	127.14084	200.90427	14.58356	0.0481543	0.18090494	3.0962482	21	9 8.1	20.1
303867 2005 SZ_{285}	16.2	X	160.69661	139.58448	63.61166	11.46177	0.0218118	0.18471067	3.0535712	21	10 20.6	20.7
303868 2005 SJ_{286}	16.5	X	240.14024	335.90692	92.50684	2.57997	0.1428206	0.17405482	3.1769620	21	7 21.0	21.3
303869 2005 SF_{291}	15.2	X	259.73879	149.56217	228.56357	19.18195	0.0809330	0.17163226	3.2067869	21	6 15.9	20.0
303870 2005 SG_{293}	16.0	X	285.83134	42.12034	309.34492	4.11743	0.1447605	0.17370017	3.1812849	21	6 6.1	20.4
303871 2005 TE_{7}	15.5	X	335.76539	104.05687	234.09428	15.49264	0.1312888	0.17752482	3.1354267	21	7 31.4	19.6
303872 2005 TB_{10}	15.3	X	247.49599	100.42561	307.46517	9.41627	0.0239336	0.17297575	3.1901607	21	7 18.4	19.7
303873 2005 TC_{12}	15.6	X	312.33419	316.81286	31.65806	16.36321	0.0896459	0.17378612	3.1802359	21	7 22.1	20.1
303874 2005 TC_{14}	15.7	X	220.44689	236.79043	199.49985	11.54329	0.0351028	0.17443941	3.1722907	21	7 16.9	20.5
303875 2005 TG_{14}	15.6	X	240.67628	239.54515	211.73727	9.52077	0.0336035	0.18021902	3.1040995	21	8 29.1	20.2
303876 2005 TF_{19}	16.2	X	117.48883	199.23117	352.85533	4.84243	0.0692427	0.17683343	3.1435941	21	8 17.3	20.7
303877 2005 TQ_{19}	16.2	X	257.89112	196.24833	201.67641	3.63529	0.1837282	0.17325531	3.1867281	21	6 26.9	21.0
303878 2005 TW_{34}	16.1	X	299.00787	16.84242	25.86619	8.12703	0.0693066	0.18144377	3.0901152	21	9 13.5	20.2
303879 2005 TV_{41}	15.7	X	339.58102	88.96787	248.97869	10.04970	0.1463010	0.18182104	3.0858392	21	8 8.1	19.4
303880 2005 TM_{42}	15.8	X	306.59738	201.34584	160.69128	10.34053	0.0981252	0.17720407	3.1392091	21	7 24.9	20.1
303881 2005 TL_{60}	16.0	X	72.40609	359.79853	268.57962	4.28453	0.1458051	0.18547584	3.0451673	21	10 6.2	20.4
303882 2005 TZ_{60}	15.9	X	25.71722	269.94262	348.52245	8.73734	0.0699914	0.17415704	3.1757186	21	7 13.6	20.2
303883 2005 TB_{69}	16.0	X	300.78849	349.60839	16.18368	9.99284	0.0216677	0.17680946	3.1438782	21	8 5.7	20.5
303884 2005 TY_{69}	15.8	X	306.56952	136.98939	215.96987	15.86546	0.1141093	0.17444091	3.1722725	21	7 8.5	20.3
303885 2005 TG_{71}	15.5	X	359.91195	83.58977	231.13169	14.25390	0.0859360	0.17833269	3.1259503	21	8 10.4	19.8
303886 2005 TJ_{71}	15.6	X	326.11413	0.40524	309.55507	9.46977	0.0650041	0.17141052	3.2095519	21	6 20.7	19.9
303887 2005 TV_{79}	15.5	X	279.94723	162.40588	239.14799	10.70607	0.0746090	0.17646484	3.1479701	21	8 8.3	20.1
303888 2005 TT_{87}	15.8	X	258.55165	64.27545	19.42915	10.03442	0.0640130	0.18055901	3.1002016	21	9 13.1	20.2
303889 2005 TK_{89}	15.5	X	126.04102	151.24437	19.69668	15.40432	0.0079984	0.17498766	3.1656612	21	7 29.6	20.3
303890 2005 TL_{90}	16.2	X	342.05828	141.88823	161.91002	11.10377	0.0749395	0.17471334	3.1689739	21	7 4.5	20.5
303891 2005 TB_{96}	16.1	X	121.33384	168.27615	359.28940	5.35064	0.0921473	0.16836738	3.2481102	21	7 24.4	21.0
303892 2005 TY_{98}	15.8	X	85.60673	224.83073	343.23180	5.51431	0.1139985	0.17351480	3.1835501	21	8 5.5	20.3
303893 2005 TP_{100}	16.0	X	39.94371	305.09702	318.75533	5.10122	0.0609724	0.17462735	3.1700142	21	8 7.7	20.1
303894 2005 TB_{102}	15.9	X	278.87522	123.46429	252.80311	3.74890	0.0324148	0.17168198	3.2061677	21	7 15.3	20.3
303895 2005 TT_{103}	15.3	X	251.01243	181.09227	240.49904	8.04695	0.0740028	0.17403937	3.1771500	21	7 30.1	20.0
303896 2005 TD_{111}	16.1	X	243.26832	165.08794	246.77316	3.38732	0.1302716	0.17218787	3.1998849	21	7 4.6	21.0
303897 2005 TH_{111}	16.2	X	333.33832	349.12050	335.91815	4.14912	0.1288026	0.17632589	3.1496236	21	7 16.4	19.9
303898 2005 TY_{113}	15.5	X	329.05149	264.33847	14.70666	24.89755	0.2729987	0.17138581	3.2098603	21	4 13.1	19.4
303899 2005 TJ_{121}	15.8	X	237.86277	41.24026	32.88691	9.32023	0.0651217	0.17403118	3.1772497	21	8 6.7	20.5
303900 2005 TA_{128}	16.3	X	172.70492	144.45387	14.21258	5.73519	0.0494914	0.17758828	3.1346797	21	9 6.3	20.9
303901 2005 TY_{137}	16.0	X	228.05698	243.03402	188.06344	7.92208	0.1812878	0.17196196	3.2026867	21	7 7.6	21.2
303902 2005 TJ_{142}	15.9	X	239.51471	22.42328	45.40398	9.75435	0.0303950	0.17370123	3.1812719	21	8 4.9	20.6
303903 2005 TN_{144}	15.5	X	353.01246	264.71551	46.95204	10.24745	0.1844301	0.17763675	3.1341096	21	8 4.8	19.0
303904 2005 TF_{151}	16.3	X	221.09053	47.60426	58.48414	6.10045	0.0409986	0.17695269	3.1421815	21	8 29.3	20.9
303905 2005 TV_{152}	15.0	X	313.18005	127.93269	245.81209	9.48500	0.1401031	0.17924571	3.1153263	21	8 11.3	19.1
303906 2005 TY_{156}	16.1	X	17.74057	49.39441	219.06431	7.41101	0.1139224	0.17382910	3.1797116	21	7 13.9	20.2
303907 2005 TW_{162}	15.6	X	178.52303	306.36834	213.47989	15.15223	0.1977145	0.17610051	3.1523104	21	9 5.4	21.1
303908 2005 TL_{167}	16.0	X	173.97909	314.00144	214.11835	12.25191	0.1361640	0.17740473	3.1368415	21	9 13.1	21.1
303909 Tomknops	15.8	X	81.78330	32.93404	218.67869	9.55119	0.0410357	0.18109526	3.0940785	21	9 10.4	20.3
303910 2005 TL_{175}	16.0	X	199.79771	70.68019	48.75887	5.27284	0.1307906	0.17177062	3.2050646	21	8 15.1	21.1
303911 2005 UB_{22}	15.2	X	97.12260	326.45949	228.07211	10.83171	0.0378467	0.16950541	3.2335557	21	7 18.6	20.0
303912 2005 UC_{22}	16.6	X	188.43041	196.97112	229.08492	8.80820	0.1319832	0.16234079	3.3280074	21	5 29.7	21.9
303913 2005 UL_{25}	15.5	X	355.79112	263.98887	39.49202	16.69497	0.0767556	0.17244606	3.1966901	21	7 31.6	19.9
303914 2005 UJ_{72}	15.4	X	273.23743	50.81277	323.38248	9.86265	0.0914184	0.17018163	3.2249842	21	6 28.4	20.0
303915 2005 UQ_{81}	15.4	X	329.11339	295.76730	34.59609	12.75349	0.1629143	0.17632915	3.1495848	21	7 14.3	19.4
303916 2005 UH_{122}	17.9	X	39.68240	89.18382	225.25011	1.85440	0.1922884	0.31004771	2.1619735	21	11 21.9	20.4
303917 2005 UM_{124}	15.1	X	47.31520	35.21903	230.98104	12.38217	0.0703567	0.17287228	3.1914335	21	8 16.5	19.6
303918 2005 UR_{193}	16.3	X	209.24824	51.19257	63.73122	1.86388	0.1235576	0.17325230	3.1867650	21	8 17.9	21.2
303919 2005 UO_{194}	15.8	X	160.84573	296.75917	206.69358	12.52632	0.0678809	0.17064809	3.2191046	21	7 30.9	20.9
303920 2005 UK_{201}	18.5	X	123.95470	93.04887	210.60253	3.73187	0.2050068	0.32219952	2.1072665	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
303921 2005 UY_{207}	16.4	X	2.15831	238.54490	62.67375	2.85719	0.0320280	0.17244919	3.1966514	21	8 1.6	20.7
303922 2005 UM_{269}	16.3	X	166.68432	104.23407	56.08024	1.76626	0.0658163	0.17574615	3.1565464	21	8 31.7	21.1
303923 2005 UY_{276}	15.0	X	312.03959	292.09734	38.81467	17.20697	0.1086742	0.16991025	3.2284173	21	6 19.9	19.5
303924 2005 UG_{283}	15.8	X	326.54794	271.45819	48.26256	15.14010	0.2210550	0.17366319	3.1817364	21	6 12.7	19.6
303925 2005 UW_{298}	15.0	X	148.81929	52.82133	55.33189	6.96702	0.0336684	0.16070290	3.3505819	21	6 4.6	20.0
303926 2005 UX_{387}	15.3	X	77.84863	198.04721	45.25568	15.35296	0.0457948	0.17571551	3.1569133	21	9 7.2	20.0
303927 2005 UV_{392}	16.4	X	237.71274	345.90172	119.00918	2.16005	0.1346247	0.17792152	3.1307644	21	9 3.1	21.0
303928 2005 UP_{439}	15.3	X	322.49928	324.04855	335.49946	15.00830	0.2488786	0.17287370	3.1914161	21	4 29.4	19.5
303929 2005 UQ_{496}	15.5	X	306.15177	304.50603	45.90918	11.35926	0.1778249	0.17535130	3.1612830	21	6 28.3	19.7
303930 2005 UZ_{503}	17.2	X	71.16769	197.88876	11.33918	2.17295	0.1074276	0.27434283	2.3457063	21	7 19.9	19.9
303931 2005 UN_{516}	17.0	X	245.72922	346.64001	117.45505	2.50891	0.1515811	0.18022878	3.1039874	21	9 9.2	21.6
303932 2005 UZ_{528}	16.2	X	180.18455	78.66911	33.95536	4.22008	0.0473033	0.16920144	3.2374272	21	7 18.3	21.0
303933 2005 VQ	19.0	X	183.17927	184.21789	54.42978	19.12959	0.4886679	0.82547732	1.1254666	21	—	—
303934 2005 VF_{62}	15.6	X	246.69822	221.51127	201.46732	15.68102	0.1106389	0.17542445	3.1604042	21	7 21.2	20.6
303935 2005 VV_{119}	16.4	X	124.74422	237.07781	335.35635	5.06124	0.1446957	0.28739970	2.2741120	21	10 1.7	19.9
303936 2005 VY_{126}	16.3	X	52.36265	217.36488	35.20302	4.97487	0.1068950	0.17809575	3.1287222	21	8 19.1	20.4
303937 2005 VS_{128}	16.2	X	270.19259	182.04251	182.13840	9.83851	0.0842283	0.17048654	3.2211380	21	6 12.5	21.0
303938 2005 VS_{131}	16.1	X	336.30362	239.20981	74.90381	11.21196	0.1153027	0.17352396	3.1834382	21	7 7.1	20.0
303939 2005 WO_{23}	15.8	X	231.01409	282.16240	51.29806	10.39520	0.1366565	0.15387322	3.4490066	21	3 25.6	21.3
303940 2005 WE_{40}	17.9	X	43.56178	290.18599	71.74499	5.03332	0.0741986	0.31246765	2.1507966	21	—	—
303941 2005 WZ_{84}	17.2	X	197.16365	212.88815	276.09072	8.06097	0.0544134	0.29327358	2.2436447	21	8 29.5	20.3
303942 2005 WF_{85}	15.1	X	45.04345	189.78840	37.51856	20.16205	0.0727674	0.16854541	3.2458225	21	6 28.5	19.8
303943 2005 WL_{141}	17.2	X	104.56867	321.88071	250.57819	5.89421	0.1779543	0.29274908	2.2463238	21	9 12.5	20.6
303944 2005 WY_{182}	15.2	X	173.24271	89.13601	63.27194	33.01345	0.2434081	0.16835699	3.2482438	21	9 15.4	21.5
303945 2005 WH_{204}	17.7	X	219.30598	23.88627	127.68209	2.82246	0.0780970	0.29755665	2.2220625	21	11 1.5	20.5
303946 2005 XR_{28}	16.6	X	303.96645	353.68173	104.35549	25.72620	0.2608990	0.30584140	2.1817511	21	12 25.8	17.3
303947 2005 XZ_{85}	17.7	X	246.39833	193.13766	333.25996	2.47952	0.0720669	0.30845989	2.1693864	21	—	—
303948 2005 XZ_{109}	17.2	X	299.66017	139.09225	149.80979	2.39808	0.2048332	0.26532866	2.3985380	21	3 17.8	20.2
303949 2005 XT_{114}	17.3	X	178.28292	138.11807	4.22465	3.58581	0.1392595	0.28415471	2.2913924	21	8 26.5	20.6
303950 2005 YK_{18}	17.5	X	116.42824	46.62818	251.25726	3.53890	0.2124272	0.31707373	2.1299163	21	—	—
303951 2005 YN_{21}	17.4	X	325.73804	150.62475	291.13216	5.52278	0.0879512	0.30822511	2.1704879	21	—	—
303952 2005 YR_{40}	18.0	X	4.55278	156.51717	253.37369	2.02975	0.0974182	0.30998533	2.1622635	21	—	—
303953 2005 YB_{52}	17.7	X	125.84289	291.83863	312.06504	3.92626	0.1259008	0.29697198	2.2249780	21	11 13.5	20.9
303954 2005 YF_{54}	17.4	X	19.42804	246.38071	120.78116	4.44768	0.1701001	0.30630380	2.1795548	21	—	—
303955 2005 YS_{66}	18.0	X	158.21202	72.22179	104.41799	1.58001	0.1492049	0.28994891	2.2607631	21	9 20.9	21.4
303956 2005 YZ_{67}	18.2	X	293.53498	44.23895	353.01316	1.90537	0.1295804	0.29603907	2.2296500	21	8 27.6	20.2
303957 2005 YD_{83}	17.7	X	107.99321	95.39271	131.70288	5.01997	0.0765384	0.29220129	2.2491304	21	10 1.9	20.7
303958 2005 YB_{132}	17.2	X	113.37141	317.12102	294.59836	4.63913	0.1185154	0.29603200	2.2296855	21	11 10.1	20.5
303959 2005 YW_{195}	16.9	X	232.55719	144.33744	345.02850	27.88995	0.2981992	0.29513930	2.2341793	21	9 14.4	20.3
303960 2005 YF_{242}	17.6	X	208.71090	99.49924	73.00230	8.16584	0.0349999	0.30249344	2.1978198	21	11 23.0	20.0
303961 2005 YN_{259}	18.5	X	15.63276	61.15686	285.12535	2.20542	0.1953604	0.30458235	2.1877594	21	12 1.1	20.6
303962 2005 YD_{291}	17.3	X	73.23872	142.42689	116.59311	3.97805	0.1491667	0.29034705	2.2586959	21	10 11.9	20.2
303963 2006 AR_{10}	16.9	X	313.57052	338.62886	73.38325	6.44044	0.1374131	0.30012140	2.2093851	21	11 2.2	18.5
303964 2006 AJ_{16}	15.0	X	293.27551	138.45505	322.57043	26.76824	0.1051179	0.17562243	3.1580286	21	10 26.9	19.8
303965 2006 AL_{18}	17.3	X	202.80963	202.08132	296.48086	4.76966	0.1089754	0.29182697	2.2510532	21	9 15.8	20.4
303966 2006 AE_{40}	17.5	X	341.58282	342.05530	325.02067	3.08354	0.2160810	0.28388092	2.2928655	21	6 26.3	18.8
303967 2006 AY_{47}	17.6	X	126.37834	288.98766	314.60152	2.91028	0.1094204	0.29792189	2.2202461	21	11 13.6	20.7
303968 2006 AP_{63}	16.7	X	121.19712	211.34084	331.75282	6.48166	0.1319461	0.28370735	2.2938006	21	8 20.4	19.9
303969 2006 AH_{80}	17.6	X	308.10956	331.47316	123.55815	3.46123	0.1019980	0.30520311	2.1847919	21	12 29.7	19.5
303970 2006 AD_{88}	17.8	X	80.54457	317.16008	264.21242	6.86192	0.0642897	0.29101254	2.2552512	21	8 10.6	20.6
303971 2006 AK_{102}	16.8	X	43.60170	51.66388	152.94981	11.51093	0.0558445	0.27006387	2.3704186	21	5 23.9	19.7
303972 2006 BN_{5}	17.3	X	272.93314	241.94090	228.30818	4.63541	0.1047383	0.30205513	2.1999454	21	11 17.0	19.3
303973 2006 BW_{10}	16.9	X	37.90723	105.92661	122.44113	2.95208	0.1583749	0.27568830	2.3380681	21	6 29.1	18.9
303974 2006 BF_{22}	16.9	X	358.70124	125.81419	123.06029	2.81381	0.2042229	0.27173852	2.3606698	21	5 1.6	18.5
303975 2006 BD_{45}	17.2	X	80.79775	252.96508	323.85104	6.70750	0.0619746	0.28069840	2.3101637	21	8 6.9	19.8
303976 2006 BF_{45}	16.9	X	167.80304	213.70605	321.21296	4.54890	0.0292734	0.28966611	2.2622343	21	9 28.5	19.8
303977 2006 BD_{47}	17.3	X	178.58990	159.92326	30.76218	0.13800	0.1281603	0.29403221	2.2397839	21	10 30.2	20.5
303978 2006 BW_{67}	17.7	X	3.12387	225.97011	115.06764	7.08889	0.1657153	0.29484105	2.2356857	21	10 27.6	19.6
303979 2006 BA_{73}	16.9	X	354.46982	246.13794	343.17237	8.62723	0.2057974	0.26680389	2.3896884	21	3 17.3	18.8
303980 2006 BA_{74}	17.5	X	355.09186	179.37502	96.77760	4.92077	0.1528044	0.27727215	2.3291559	21	6 11.7	19.3
303981 2006 BK_{80}	16.8	X	1.46674	205.95779	48.64990	4.58429	0.0512426	0.27264419	2.3554391	21	5 24.7	19.4
303982 2006 BR_{91}	18.1	X	349.58911	225.13062	188.30755	1.10577	0.0968049	0.30325484	2.1941394	21	—	—
303983 2006 BB_{93}	17.1	X	284.53759	292.48205	147.62158	6.93776	0.0698352	0.29547748	2.2324743	21	10 28.8	19.5
303984 2006 BL_{99}	17.9	X	270.63194	350.43623	123.00323	3.06292	0.0871409	0.29898090	2.2150001	21	11 20.6	20.2
303985 2006 BT_{108}	17.9	X	343.29814	244.08959	2.25318	2.65501	0.1411306	0.26973933	2.3723196	21	4 1.3	20.2
303986 2006 BN_{116}	17.2	X	252.61466	331.07097	303.80100	1.99878	0.1211538	0.25711535	2.4493492	21	1 18.6	20.7
303987 2006 BH_{117}	17.6	X	191.87328	207.48451	316.69992	2.58731	0.0803940	0.29244720	2.2478694	21	10 11.8	20.7
303988 2006 BT_{120}	17.6	X	174.12722	347.68455	163.28163	5.51478	0.0239811	0.28746953	2.2737437	21	9 4.9	20.2
303989 2006 BD_{132}	17.6	X	49.29789	282.08925	328.33341	5.09680	0.1446324	0.27938548	2.3173955	21	8 22.2	20.1
303990 2006 BQ_{146}	18.1	X	279.19488	10.81839	57.01819	2.36914	0.1224988	0.29556921	2.2320123	21	9 21.4	20.4
303991 2006 BD_{153}	17.1	X	40.65177	282.87075	334.57736	4.79620	0.1263468	0.28128250	2.3069645	21	8 15.7	19.2
303992 2006 BX_{155}	17.5	X	233.75586	56.89500	125.41523	3.18397	0.0785093	0.30281167	2.1962797	21	—	—
303993 2006 BN_{165}	17.2	X	329.12987	189.56219	140.11630	5.12440	0.1667560	0.28194350	2.3033574	21	7 11.5	19.1
303994 2006 BN_{168}	17.1	X	329.08365	357.45859	284.91382	1.50922	0.2018281	0.26949748	2.3737387	21	4 19.4	19.4
303995 2006 BO_{168}	16.6	X	339.22988	332.76593	328.11646	6.79950	0.1242818	0.27658093	2.3330348	21	6 20.9	18.9
303996 2006 BY_{176}	17.8	X	19.64971	195.79169	43.58774	3.56198	0.1275755	0.27477965	2.3432197	21	6 4.4	19.9
303997 2006 BK_{178}	16.9	X	12.42982	196.56581	104.63952	4.58116	0.2123012	0.28666940	2.2779726	21	9 16.2	18.5
303998 2006 BT_{194}	17.8	X	161.22102	19.84909	176.14797	3.29386	0.0913038	0.29276161	2.2462597	21	10 20.8	20.9
303999 2006 BQ_{211}	13.3	X	24.27883	255.08147	348.49213	18.46712	0.0438751	0.08154993	5.2664785	21	6 20.6	20.3
304000 2006 BV_{229}	17.6	X	349.59474	306.60463	71.04327	3.50444	0.1625579	0.30040863	2.2079765	21	11 24.5	19.1