Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
212001 2005 BX_9	16.9	X	255.86816	3.53653	340.09500	3.06356	0.0806744	0.27942351	2.3171852	20	5 2.7	19.8
212002 2005 BU_{10}	16.5	X	113.00413	125.63545	281.32129	5.15614	0.1087579	0.26519013	2.3993732	20	2 11.7	19.4
212003 2005 BL_{11}	16.9	X	140.99957	297.10904	111.51759	2.19781	0.1845463	0.27068209	2.3668080	20	3 29.4	20.4
212004 2005 BC_{13}	15.9	X	189.71014	95.28415	308.36489	10.15226	0.0921227	0.21453296	2.7635884	20	5 4.2	20.3
212005 2005 BW_{16}	17.3	X	27.29551	89.66378	53.82708	2.87662	0.1305440	0.26598501	2.3945906	20	2 11.7	19.4
212006 2005 BM_{22}	17.0	X	137.88075	276.26306	103.78493	3.20694	0.2530860	0.26701479	2.3884299	20	2 26.2	20.6
212007 2005 BC_{24}	16.6	X	89.98653	18.99069	112.70225	4.95376	0.1031527	0.27220113	2.3579944	20	5 9.5	19.5
212008 2005 BU_{24}	16.5	X	344.96343	196.52613	345.57070	5.78793	0.0428604	0.26271738	2.4144053	20	2 3.2	19.3
212009 2005 BD_{27}	15.9	X	57.13822	179.53880	29.98121	24.30674	0.2036387	0.27809667	2.3245498	20	8 12.5	19.4
212010 2005 BH_{33}	16.6	X	110.85236	346.09981	304.03525	6.15039	0.1235392	0.24159888	2.5531290	20	12 27.6	20.4
212011 2005 CM_2	16.9	X	338.88349	129.32707	91.14450	4.02626	0.1267583	0.26580466	2.3956737	20	3 7.7	19.4
212012 2005 CV_2	16.7	X	5.10853	159.91576	31.68790	2.98524	0.1440611	0.26489707	2.4011425	20	3 10.9	18.9
212013 2005 CO_4	16.5	X	41.08869	188.86012	357.98435	2.97991	0.1075087	0.27106486	2.3645794	20	5 9.9	19.0
212014 2005 CX_4	16.2	X	136.67149	341.44206	57.08984	3.30250	0.1664764	0.26714198	2.3876718	20	3 10.9	19.7
212015 2005 CJ_6	17.1	X	40.11454	335.91037	158.33700	2.75294	0.1603378	0.26261753	2.4150173	20	2 23.9	19.0
212016 2005 CA_{11}	16.9	X	68.56080	44.43931	22.96725	3.49161	0.1494055	0.25858614	2.4400528	20	1 12.2	19.2
212017 2005 CP_{11}	17.3	X	64.79129	115.06122	356.46435	3.06106	0.1704835	0.26497701	2.4006596	20	3 11.1	19.7
212018 2005 CG_{13}	16.9	X	161.73020	76.12555	347.58933	6.45647	0.0900042	0.27474228	2.3434321	20	4 29.2	20.3
212019 2005 CJ_{13}	17.1	X	352.65905	119.23731	80.72313	3.43581	0.1639853	0.26423955	2.4051242	20	2 26.2	19.3
212020 2005 CD_{14}	16.3	X	309.69901	290.51105	333.48459	9.11234	0.2128621	0.26675844	2.3899598	20	3 5.5	19.1
212021 2005 CK_{15}	16.9	X	63.38896	205.22004	271.94909	2.80476	0.0782480	0.26709065	2.3879777	20	3 1.9	19.7
212022 2005 CY_{15}	17.5	X	74.24390	272.78923	200.36675	0.77910	0.1410602	0.26788667	2.3832448	20	3 24.4	19.9
212023 2005 CE_{19}	17.3	X	0.82886	283.61939	264.92217	1.52254	0.1238527	0.26498983	2.4005822	20	2 26.4	19.6
212024 2005 CZ_{20}	16.6	X	65.30970	37.91695	85.94027	3.02502	0.1295432	0.26611510	2.3938101	20	3 25.4	19.0
212025 2005 CZ_{21}	17.3	X	7.31612	97.40324	66.04230	3.23743	0.1327711	0.26255288	2.4154137	20	2 3.2	19.5
212026 2005 CY_{22}	16.7	X	20.94625	99.25695	36.00055	4.74743	0.1212624	0.26044639	2.4284201	20	1 19.9	19.2
212027 2005 CV_{24}	16.2	X	7.36743	263.05539	232.39407	7.01422	0.1030128	0.25875635	2.4389826	20	—	—
212028 2005 CT_{26}	17.0	X	235.14554	118.34686	72.04860	3.85155	0.0673250	0.24191284	2.5509196	20	—	—
212029 2005 CW_{27}	17.0	X	96.61983	268.22510	187.30188	9.99381	0.1189446	0.26916179	2.3757119	20	3 29.6	19.9
212030 2005 CG_{30}	17.2	X	89.35809	59.66488	18.56423	2.62498	0.1849668	0.26493361	2.4009218	20	3 7.0	19.9
212031 2005 CH_{36}	16.6	X	328.26940	70.62028	117.89142	6.18183	0.0631028	0.26000887	2.4311436	20	1 15.3	19.4
212032 2005 CL_{36}	17.0	X	41.12359	97.67804	107.65113	3.13438	0.1538756	0.27382355	2.3486710	20	6 16.4	19.2
212033 2005 CY_{36}	17.1	X	149.79734	65.06037	48.30785	6.21939	0.0626107	0.28014118	2.3132261	20	6 23.7	20.2
212034 2005 CC_{38}	16.8	X	194.63514	199.02225	38.62124	2.86445	0.0906052	0.24192858	2.5508089	20	—	—
212035 2005 CU_{45}	17.1	X	281.78517	291.22222	344.61649	2.01395	0.1763065	0.26314661	2.4117791	20	2 23.2	20.3
212036 2005 CZ_{50}	16.9	X	81.39376	287.23581	160.55938	6.39277	0.2411758	0.26518948	2.3993772	20	3 17.9	19.4
212037 2005 CF_{51}	16.9	X	7.79536	177.66652	46.03638	2.84056	0.1638617	0.26988259	2.3714800	20	5 5.2	18.6
212038 2005 CW_{52}	16.4	X	282.53023	199.40292	40.13242	3.62370	0.1373065	0.25718807	2.4488875	20	1 14.9	19.8
212039 2005 CZ_{52}	16.8	X	303.65432	174.92511	34.61140	2.37064	0.1597265	0.25562173	2.4588811	20	—	—
212040 2005 CH_{53}	16.5	X	4.63367	107.58083	77.60049	3.44187	0.1199002	0.26289344	2.4133272	20	3 3.1	18.8
212041 2005 CZ_{56}	16.9	X	122.70920	311.72777	162.84901	2.97538	0.1119342	0.27692578	2.3310976	20	5 28.2	20.1
212042 2005 CJ_{58}	16.4	X	296.57043	296.92254	281.31404	5.35354	0.0744231	0.25870491	2.4393059	20	1 11.0	19.7
212043 2005 CW_{63}	16.8	X	28.45323	108.87547	343.71082	5.74894	0.0941777	0.25421315	2.4679558	20	—	—
212044 2005 CC_{65}	16.8	X	49.11216	94.16404	6.40493	3.72439	0.1474567	0.26051648	2.4279845	20	1 23.3	18.9
212045 2005 CL_{65}	17.0	X	89.60643	24.19560	82.83305	3.05573	0.1580596	0.26775449	2.3840290	20	4 12.7	19.8
212046 2005 CP_{67}	16.8	X	299.59122	153.86045	61.86979	3.26585	0.0428628	0.26003583	2.4309755	20	1 16.7	19.9
212047 2005 CT_{75}	16.4	X	359.34029	320.30155	230.98980	3.21417	0.1364834	0.26476873	2.4019184	20	2 25.5	18.7
212048 2005 CE_{76}	16.9	X	258.20826	137.47564	150.58509	1.37951	0.1808849	0.26211489	2.4181037	20	2 13.9	20.5
212049 2005 CD_{79}	16.8	X	334.49431	10.64673	178.39732	5.32558	0.0906254	0.25944217	2.4346825	20	1 19.8	19.8
212050 2005 EM_8	16.8	X	265.37684	269.14373	337.86593	3.93785	0.0886932	0.25278031	2.4772731	20	1 11.1	20.4
212051 2005 EP_{11}	17.1	X	50.36655	337.31950	136.69394	4.03817	0.1378936	0.26223808	2.4173463	20	2 12.7	19.1
212052 2005 EG_{20}	16.5	X	3.42797	103.59617	152.88118	3.40250	0.1049957	0.27423069	2.3463458	20	6 18.0	18.8
212053 2005 EP_{20}	16.0	X	246.46257	146.30900	143.77730	6.84495	0.1281787	0.25916662	2.4364079	20	2 9.1	19.7
212054 2005 EC_{21}	15.8	X	58.98137	196.34196	143.19669	9.15551	0.1125255	0.23595807	2.5936587	20	—	—
212055 2005 ES_{22}	16.8	X	314.66153	129.16394	334.68190	11.96056	0.2170317	0.24347434	2.5400012	20	—	—
212056 2005 EA_{23}	17.5	X	325.40759	247.68459	329.27091	0.40317	0.1274052	0.26004051	2.4309464	20	2 8.9	20.4
212057 2005 EH_{25}	16.5	X	331.42638	117.64136	122.41218	3.91558	0.1324815	0.26385312	2.4074719	20	3 22.6	19.0
212058 2005 EH_{30}	16.9	X	333.03528	245.23821	6.78793	5.26858	0.1624147	0.26649356	2.3915433	20	4 4.9	19.1
212059 2005 ER_{31}	16.1	X	99.60743	145.90059	155.05074	11.87962	0.0608308	0.23537464	2.5979429	20	12 24.8	20.1
212060 2005 EC_{32}	17.1	X	320.44711	263.29142	350.42370	1.70627	0.1727346	0.26446002	2.4037873	20	3 15.4	19.6
212061 2005 EJ_{32}	16.6	X	117.65029	110.11423	160.87165	3.72988	0.1717523	0.23076602	2.6324178	20	12 10.5	20.9
212062 2005 EQ_{32}	17.1	X	30.73086	56.14747	126.36964	1.28636	0.1489766	0.26557933	2.3970286	20	4 19.6	19.2
212063 2005 EB_{33}	16.5	X	1.64755	333.98004	242.56495	4.92767	0.0657398	0.26715719	2.3875811	20	4 12.1	19.0
212064 2005 EZ_{35}	16.6	X	326.18488	11.43390	230.08344	3.94734	0.3144504	0.26008310	2.4306810	20	2 11.0	19.3
212065 2005 ER_{36}	16.5	X	290.81806	189.75958	54.55131	3.81424	0.1505541	0.25883113	2.4385128	20	1 28.8	19.9
212066 2005 EQ_{39}	16.5	X	255.03911	297.89629	315.66624	6.04306	0.0900141	0.25837851	2.4413598	20	1 7.0	20.0
212067 2005 ER_{40}	16.4	X	318.83378	129.22834	135.05327	3.06152	0.1903115	0.26399826	2.4065894	20	3 26.6	18.9
212068 2005 EW_{43}	16.2	X	258.02898	304.77698	187.33325	3.57931	0.1166827	0.23777597	2.5804220	20	11 22.0	19.3
212069 2005 EV_{49}	16.8	X	89.79768	50.58373	33.33774	4.85046	0.1357845	0.26244271	2.4160896	20	3 9.2	19.6
212070 2005 EP_{53}	16.7	X	272.17325	332.08437	154.24080	4.66875	0.1049514	0.23707147	2.5855317	20	12 7.1	19.7
212071 2005 ED_{56}	17.5	X	315.85739	111.34082	180.85080	1.27082	0.1732270	0.27027365	2.3691919	20	5 3.5	19.7
212072 2005 EL_{58}	16.4	X	237.18495	90.14054	194.79561	4.24798	0.0625390	0.25559320	2.4590641	20	1 27.2	19.9
212073 2005 EF_{65}	17.0	X	319.19532	315.70494	155.80928	1.88844	0.1163389	0.24382998	2.5375308	20	—	—
212074 2005 EG_{65}	16.1	X	233.29335	315.85995	160.12396	8.82887	0.0549653	0.22834834	2.6509659	20	10 7.4	19.8
212075 2005 EK_{71}	16.4	X	356.75381	126.48557	25.18105	5.57257	0.0919988	0.25806063	2.4433642	20	1 4.4	19.2
212076 2005 EQ_{75}	17.2	X	310.20503	96.03493	354.27507	9.89221	0.2113044	0.23899295	2.5716547	20	12 19.9	19.5
212077 2005 EB_{76}	17.3	X	303.46222	208.77617	353.41144	2.28481	0.1393416	0.25271458	2.4777027	20	—	—
212078 2005 EL_{79}	15.9	X	233.25254	2.14853	146.99342	13.74006	0.1151735	0.23251525	2.6191985	20	11 13.7	19.7
212079 2005 EX_{82}	17.2	X	228.45710	247.65910	322.93865	3.53593	0.1498866	0.24031570	2.5622094	20	—	—
212080 2005 EJ_{84}	16.6	X	310.93800	202.67286	345.63149	10.66470	0.1704089	0.25498056	2.4630015	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
212081 2005 EM_{96}	16.3	X	271.73414	311.75751	263.53145	6.33027	0.0494588	0.25329530	2.4739142	20	—	—
212082 2005 EA_{97}	16.4	X	274.70430	292.82395	154.42146	13.58985	0.1016483	0.23259604	2.6185920	20	10 22.1	19.8
212083 2005 ES_{101}	15.6	X	157.48130	208.45166	5.74181	14.34711	0.0211449	0.22692372	2.6620495	20	11 5.4	19.5
212084 2005 EE_{114}	16.8	X	139.46825	273.38256	163.99399	6.41103	0.1028753	0.26949902	2.3737296	20	4 27.8	20.1
212085 2005 EZ_{114}	17.1	X	303.30858	113.68187	150.57749	2.99170	0.2625740	0.25991121	2.4317525	20	2 21.4	20.1
212086 2005 ED_{115}	17.0	X	349.33247	223.66799	156.72972	2.80931	0.1126833	0.23057939	2.6338380	20	11 19.4	19.9
212087 2005 EO_{119}	15.8	X	328.38547	261.08866	181.09545	21.61428	0.1174691	0.23637318	2.5906212	20	—	—
212088 2005 EY_{121}	16.7	X	244.76495	111.69795	181.93714	8.87898	0.1348474	0.25836145	2.4414673	20	2 9.7	20.6
212089 2005 EA_{124}	17.0	X	232.20377	157.48110	46.90626	2.79526	0.0755527	0.24024145	2.5627373	20	—	—
212090 2005 EK_{124}	16.5	X	338.05789	66.37213	167.70940	6.98885	0.0794842	0.26335275	2.4105204	20	3 31.8	19.2
212091 2005 EP_{125}	16.6	X	49.54702	200.21752	180.85688	3.24822	0.0613377	0.23858145	2.5746109	20	—	—
212092 2005 EQ_{126}	17.3	X	85.18234	304.58833	13.25270	7.56377	0.1670901	0.29412746	2.2393003	20	—	—
212093 2005 EM_{129}	16.6	X	178.93218	351.49351	303.02853	6.06585	0.1212933	0.25394432	2.4696973	20	—	—
212094 2005 ER_{136}	16.6	X	246.64599	141.71500	54.53619	5.60469	0.0346624	0.24209414	2.5496458	20	—	—
212095 2005 EY_{137}	16.5	X	214.82054	220.18928	49.35070	2.09662	0.0166700	0.24630904	2.5204755	20	—	—
212096 2005 EH_{138}	16.3	X	309.44668	113.92060	112.27874	8.35824	0.1576112	0.25670564	2.4519547	20	1 26.5	19.4
212097 2005 EY_{138}	16.6	X	48.69302	78.19688	177.64073	4.14037	0.0569885	0.21299945	2.7768370	20	8 20.1	20.1
212098 2005 EL_{139}	16.2	X	86.64764	188.31692	52.02765	3.37478	0.0308711	0.21769830	2.7367347	20	9 18.3	19.9
212099 2005 EX_{139}	16.2	X	190.70616	224.29516	354.13761	11.63492	0.1654626	0.23248233	2.6194458	20	12 11.2	20.5
212100 2005 EX_{151}	16.0	X	119.24073	282.49941	55.67458	4.05563	0.0783403	0.24151299	2.5537343	20	—	—
212101 2005 ET_{153}	15.8	X	312.31658	32.74851	75.38921	23.02336	0.0802168	0.23959375	2.5673538	20	—	—
212102 2005 EH_{154}	16.2	X	257.18441	177.71615	4.13405	12.72639	0.1936050	0.24025345	2.5626519	20	—	—
212103 2005 EP_{154}	15.9	X	6.87795	57.47855	11.68920	14.83801	0.0725800	0.24009527	2.5637774	20	—	—
212104 2005 EH_{156}	16.7	X	61.00757	143.12839	19.32412	6.74953	0.1266018	0.27174133	2.3606535	20	5 10.1	19.3
212105 2005 EV_{159}	16.8	X	199.93464	82.95996	176.99274	13.21294	0.2513852	0.24006321	2.5640056	20	—	—
212106 2005 EE_{161}	17.4	X	294.29429	109.73496	21.66418	4.60290	0.1689727	0.23960258	2.5672907	20	—	—
212107 2005 ET_{161}	16.5	X	118.01875	141.56264	169.97499	5.29500	0.1393194	0.23443649	2.6048692	20	—	—
212108 2005 EV_{169}	16.0	X	228.57043	130.59513	97.16197	25.42758	0.2421853	0.23823296	2.5771211	20	—	—
212109 2005 EY_{170}	15.9	X	169.48197	269.99658	314.93548	16.44316	0.1500800	0.23265653	2.6181381	20	11 29.5	20.3
212110 2005 EM_{173}	15.8	X	49.22928	4.11957	4.23663	11.26399	0.1357953	0.23863375	2.5742347	20	—	—
212111 2005 EE_{174}	16.5	X	95.56188	345.63269	337.92778	8.90347	0.1246993	0.23609354	2.5926664	20	—	—
212112 2005 ES_{176}	16.2	X	264.81032	106.51640	76.11546	15.18658	0.1146133	0.24160097	2.5531144	20	—	—
212113 2005 EN_{177}	16.6	X	198.07638	275.48848	12.78774	5.80640	0.2615918	0.24142003	2.5543899	20	—	—
212114 2005 EW_{179}	17.3	X	309.51046	221.20381	213.08350	2.93997	0.1367081	0.23511200	2.5998773	20	11 25.3	20.0
212115 2005 EP_{184}	15.9	X	245.01702	206.48574	205.47693	12.58616	0.1150518	0.21474784	2.7617446	20	7 14.5	20.1
212116 2005 ER_{184}	16.3	X	260.68189	159.90460	276.63923	2.59272	0.0866014	0.22239676	2.6980526	20	9 12.0	19.8
212117 2005 EQ_{189}	16.7	X	146.63000	95.91468	149.72994	5.11553	0.0860780	0.23182324	2.6244083	20	12 7.3	20.6
212118 2005 EG_{190}	17.1	X	296.74204	28.81305	218.08731	2.02729	0.1258049	0.26336166	2.4104660	20	2 8.9	20.3
212119 2005 EC_{191}	16.6	X	151.00957	31.02017	306.38050	4.95013	0.1554969	0.25434217	2.4671211	20	1 8.1	20.2
212120 2005 EG_{193}	17.2	X	297.84727	143.29269	299.14731	1.51165	0.0841420	0.23332187	2.6131585	20	11 18.0	20.1
212121 2005 EP_{195}	17.5	X	271.06688	77.27029	226.92309	0.82384	0.1654221	0.26223420	2.4173702	20	3 19.8	21.0
212122 2005 EK_{197}	16.5	X	260.53178	210.30664	342.17787	7.23344	0.0594238	0.24377425	2.5379174	20	—	—
212123 2005 EB_{198}	17.1	X	262.33653	349.87336	195.92563	7.34423	0.1814293	0.24132779	2.5550407	20	—	—
212124 2005 EW_{209}	16.8	X	225.53885	340.31344	211.51275	2.95311	0.0339671	0.23779880	2.5802568	20	—	—
212125 2005 ED_{211}	16.4	X	199.18452	187.71765	349.96544	11.87532	0.0529951	0.23022273	2.6365575	20	11 7.5	20.3
212126 2005 EJ_{217}	17.0	X	323.75475	57.47639	177.12108	10.22646	0.1368209	0.25983232	2.4322447	20	2 27.9	19.9
212127 2005 EF_{218}	16.0	X	313.46598	117.69572	19.01754	15.00282	0.1144711	0.24192381	2.5508424	20	—	—
212128 2005 EL_{218}	16.6	X	75.74678	289.45804	194.27580	6.84844	0.0494621	0.26787310	2.3833252	20	3 27.3	19.4
212129 2005 ED_{219}	16.8	X	275.55986	243.10750	34.01657	2.44348	0.1989539	0.25701465	2.4499889	20	2 17.2	20.4
212130 2005 ET_{222}	16.0	X	246.45619	93.39102	105.39921	12.92697	0.1082780	0.24154561	2.5535045	20	—	—
212131 2005 EP_{225}	16.7	X	55.85554	118.23993	0.62030	9.70052	0.0916950	0.26402836	2.4064065	20	2 27.3	19.3
212132 2005 EV_{230}	16.8	X	258.60433	304.57212	2.87039	5.06511	0.1808288	0.26471008	2.4022732	20	3 10.0	20.5
212133 2005 EY_{230}	16.1	X	197.21850	93.89708	148.60724	12.38036	0.1458156	0.23853583	2.5749392	20	—	—
212134 2005 EN_{237}	17.5	X	345.04966	332.13122	125.84440	1.92281	0.1599276	0.24554105	2.5257284	20	—	—
212135 2005 ED_{241}	16.8	X	27.03459	64.35339	106.25177	6.11007	0.1055155	0.26495668	2.4007824	20	3 25.1	19.2
212136 2005 EQ_{241}	16.2	X	332.94455	108.14908	102.64501	7.10608	0.0814452	0.26137686	2.4226534	20	2 20.9	19.1
212137 2005 EF_{251}	17.4	X	48.37348	268.26505	196.01834	3.44353	0.1022101	0.25886442	2.4383037	20	1 22.8	19.8
212138 2005 EJ_{251}	16.5	X	349.37500	66.20438	99.96794	7.01674	0.0724390	0.25657327	2.4527979	20	1 15.4	19.2
212139 2005 EF_{253}	16.4	X	305.21226	22.83299	106.84888	11.89922	0.1041266	0.23951092	2.5679457	20	—	—
212140 2005 EM_{260}	16.9	X	201.14928	164.97124	108.13939	2.39739	0.1450219	0.24148778	2.5539121	20	—	—
212141 2005 ER_{276}	17.3	X	298.48396	118.12551	6.27197	2.55931	0.1734062	0.23924605	2.5698407	20	—	—
212142 2005 EN_{277}	16.5	X	294.04447	163.44046	61.20422	9.25550	0.1549784	0.25600497	2.4564266	20	1 6.7	20.0
212143 2005 EM_{278}	16.9	X	168.83810	54.55363	164.99944	5.02855	0.2261088	0.22840484	2.6505287	20	11 21.5	21.4
212144 2005 EE_{279}	16.8	X	302.42629	120.79001	24.97895	11.86118	0.0978998	0.24144661	2.5542024	20	—	—
212145 2005 EM_{280}	16.7	X	195.47458	86.27194	138.91952	6.87854	0.1314157	0.23497549	2.6008842	20	12 29.4	20.5
212146 2005 ES_{280}	16.0	X	288.62005	278.11236	11.99942	12.36963	0.2382949	0.26370994	2.4083432	20	3 14.9	19.3
212147 2005 EX_{280}	15.2	X	125.18050	278.78234	107.22742	12.75978	0.0263375	0.18961553	3.0006829	20	2 2.3	19.4
212148 2005 EN_{288}	16.9	X	316.70784	72.80084	11.29602	2.75357	0.1520382	0.23629119	2.5912204	20	12 23.3	19.4
212149 2005 EB_{293}	16.1	X	152.57453	170.74934	63.83362	10.93544	0.1420932	0.22787693	2.6546207	20	11 26.9	20.4
212150 2005 EP_{310}	16.8	X	193.81178	295.14086	6.52258	1.38926	0.1795587	0.25303757	2.4755937	20	1 6.6	20.8
212151 2005 EP_{312}	17.0	X	318.21524	139.30626	183.30075	5.97719	0.1440735	0.27725610	2.3292457	20	6 29.6	19.3
212152 2005 EA_{314}	16.6	X	48.22337	306.15784	42.42238	1.79964	0.1293430	0.23318147	2.6142073	20	—	—
212153 2005 EV_{317}	16.5	X	199.20232	261.60701	357.43413	8.72377	0.1601932	0.24087777	2.5582220	20	—	—
212154 2005 EK_{325}	16.9	X	72.47453	176.39866	138.87118	0.71896	0.1165507	0.22660124	2.6645744	20	12 15.6	20.8
212155 2005 FY_{3}	16.2	X	288.96910	111.20960	127.16897	10.62151	0.1250670	0.25443574	2.4665162	20	1 21.6	19.7
212156 2005 FB_{8}	15.9	X	188.06754	109.29719	91.93208	12.68905	0.0201034	0.22998229	2.6383948	20	12 3.6	19.5
212157 2005 GF_{5}	16.9	X	244.49803	134.93948	42.47963	12.82199	0.1738079	0.23584251	2.5945059	20	12 21.4	20.3
212158 2005 GL_{5}	16.8	X	165.83173	175.57311	142.50253	3.81719	0.2141879	0.24095996	2.5576403	20	1 5.2	20.9
212159 2005 GV_{6}	16.2	X	193.19081	87.08001	190.85590	15.13002	0.1354473	0.24070140	2.5594716	20	—	—
212160 2005 GF_{12}	15.9	X	135.06091	139.98269	151.35953	5.83180	0.1970148	0.23251749	2.6191817	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
212161 2005 GW_{12}	14.9	X	34.73060	275.68168	43.89327	16.62739	0.3535021	0.21551214	2.7552112	20	12 5.1	19.0
212162 2005 GK_{13}	15.9	X	183.93403	117.37352	87.96553	12.10952	0.1496372	0.22873981	2.6479404	20	11 22.9	20.1
212163 2005 GL_{13}	16.3	X	147.39433	168.64755	73.47054	11.63676	0.1642814	0.22706962	2.6609090	20	12 1.1	20.6
212164 2005 GO_{13}	16.0	X	159.73683	185.25224	70.42233	14.35367	0.1447222	0.23108897	2.6299646	20	12 28.7	20.2
212165 2005 GH_{27}	16.6	X	314.49300	185.07383	334.49084	3.67369	0.0903337	0.24678041	2.5172650	20	—	—
212166 2005 GY_{27}	16.2	X	210.08382	234.98992	8.95278	11.53462	0.1444507	0.23909103	2.5709514	20	—	—
212167 2005 GR_{41}	17.2	X	62.03659	308.70003	170.73479	4.16366	0.0196577	0.26523517	2.3991016	20	2 27.0	20.1
212168 2005 GO_{48}	16.5	X	281.08052	14.44531	36.97335	5.44273	0.1109644	0.21961835	2.7207604	20	9 7.3	20.0
212169 2005 GL_{50}	15.8	X	197.83452	6.97128	201.71726	10.19722	0.0708722	0.23042793	2.6349920	20	12 17.4	19.6
212170 2005 GR_{50}	15.7	X	93.10277	151.35088	128.37704	15.36482	0.2577042	0.22348765	2.6892656	20	12 6.2	20.5
212171 2005 GT_{50}	16.2	X	167.80074	194.58527	44.38903	4.98011	0.0980829	0.23183732	2.6243020	20	12 19.5	20.1
212172 2005 GQ_{52}	16.2	X	113.27562	81.76042	211.54925	5.57459	0.1151885	0.22756486	2.6570470	20	12 29.8	20.3
212173 2005 GQ_{53}	16.1	X	261.65939	315.63476	201.22475	11.80895	0.1153328	0.23713109	2.5850982	20	12 28.5	19.4
212174 2005 GD_{54}	16.0	X	245.97371	21.61801	213.55656	8.06274	0.1603532	0.24497421	2.5296230	20	—	—
212175 2005 GB_{60}	15.5	X	179.27629	66.10255	196.44001	29.62226	0.3319489	0.23134444	2.6280281	20	—	—
212176 Fabriziospaziani	16.0	X	180.60143	257.76325	319.25843	14.43115	0.1681151	0.22988066	2.6391724	20	11 28.4	20.5
212177 2005 GT_{74}	15.5	X	127.45069	303.49782	26.19055	29.09718	0.1520314	0.24120212	2.5559281	20	—	—
212178 2005 GD_{76}	16.0	X	105.19714	188.17623	76.69752	7.60626	0.1860430	0.22199185	2.7013324	20	11 22.2	20.4
212179 2005 GE_{76}	16.2	X	133.02217	50.90028	158.75430	7.97177	0.1532612	0.21963518	2.7206214	20	10 11.4	20.6
212180 2005 GJ_{76}	16.2	X	179.83260	149.63690	82.45192	4.98582	0.1295274	0.23103812	2.6303505	20	12 21.0	20.1
212181 2005 GH_{79}	15.4	X	217.42171	58.21812	101.14647	16.08450	0.0410663	0.22620302	2.6677008	20	11 17.2	19.3
212182 2005 GV_{79}	15.8	X	280.16637	331.18018	130.22020	14.67183	0.0693564	0.22798143	2.6538094	20	11 21.8	19.4
212183 2005 GX_{80}	16.4	X	21.52565	68.64183	264.87325	0.93557	0.0995038	0.21885024	2.7271228	20	10 31.7	19.7
212184 2005 GX_{84}	16.5	X	169.66742	37.62931	283.11347	2.17192	0.0736269	0.24591392	2.5231746	20	—	—
212185 2005 GL_{86}	16.1	X	190.86366	246.86311	24.88490	17.52028	0.1972759	0.23904451	2.5712849	20	—	—
212186 2005 GL_{92}	15.9	X	152.73522	283.58092	354.28350	7.11088	0.1779145	0.23348568	2.6119361	20	—	—
212187 2005 GT_{94}	16.9	X	233.21596	117.35035	51.41259	4.41317	0.1092251	0.23215692	2.6218930	20	12 4.8	20.4
212188 2005 GX_{94}	16.3	X	263.71329	129.70679	196.66570	14.05226	0.3555627	0.25740673	2.4475004	20	3 21.3	20.7
212189 2005 GY_{97}	16.0	X	226.77659	197.42554	157.93884	2.93763	0.2040045	0.19676835	2.9275156	20	4 11.2	20.8
212190 2005 GT_{100}	16.5	X	98.48008	120.47228	193.27019	1.72450	0.0712037	0.23195068	2.6234469	20	—	—
212191 2005 GL_{101}	16.4	X	232.36000	353.72312	69.93249	1.53719	0.0569663	0.21247440	2.7814098	20	7 25.1	20.3
212192 2005 GL_{102}	16.5	X	190.91801	324.44715	184.85562	9.30612	0.1880118	0.22203774	2.7009602	20	9 16.0	21.0
212193 2005 GF_{103}	15.9	X	265.19255	336.79691	180.86432	12.46096	0.1820144	0.23602941	2.5931361	20	12 26.1	19.1
212194 2005 GK_{105}	16.4	X	308.64109	234.27690	177.26912	5.30789	0.1370383	0.22430972	2.6826910	20	10 19.9	19.1
212195 2005 GV_{105}	16.7	X	313.29563	210.62308	125.72623	2.15009	0.0473584	0.20920738	2.8102916	20	7 18.9	20.4
212196 2005 GR_{117}	16.1	X	258.95158	17.38381	38.72498	5.74944	0.0129338	0.21672512	2.7449212	20	8 28.2	19.9
212197 2005 GX_{124}	15.8	X	129.94406	80.40393	203.85980	13.32407	0.1357525	0.23034184	2.6356485	20	—	—
212198 2005 GA_{128}	16.0	X	135.89478	285.11410	48.34528	13.93533	0.0641462	0.24263207	2.5458760	20	—	—
212199 2005 GW_{129}	16.0	X	318.17864	7.61452	60.12846	9.40456	0.0411533	0.22786680	2.6546994	20	11 29.2	19.2
212200 2005 GQ_{132}	17.3	X	310.81643	93.63092	39.69747	10.92998	0.1803879	0.24206634	2.5498411	20	—	—
212201 2005 GR_{134}	16.8	X	197.89660	232.20081	24.48982	3.28843	0.1453365	0.23742333	2.5829765	20	—	—
212202 2005 GX_{137}	16.0	X	237.09771	231.37508	228.99855	4.29438	0.1248485	0.22034760	2.7147541	20	9 6.6	20.0
212203 2005 GU_{145}	16.2	X	260.01205	231.77814	214.13014	10.93053	0.1596030	0.22378741	2.6868635	20	9 10.3	19.9
212204 2005 GZ_{151}	15.9	X	203.18941	163.39123	24.52251	10.07994	0.1085562	0.22923558	2.6441212	20	11 20.9	19.8
212205 2005 GM_{152}	15.5	X	74.02342	267.26241	67.36603	4.83481	0.3016732	0.22388744	2.6860632	20	—	—
212206 2005 GQ_{152}	15.9	X	62.93726	256.29119	59.50384	10.31750	0.1488663	0.22223036	2.6993993	20	12 8.0	19.8
212207 2005 GD_{153}	16.4	X	156.45015	209.66914	63.34937	8.61890	0.1714622	0.23171558	2.6252212	20	—	—
212208 2005 GN_{158}	16.6	X	150.20735	266.91516	354.04683	3.84280	0.1624554	0.22979315	2.6398424	20	12 26.1	21.0
212209 2005 GJ_{162}	16.1	X	194.58568	109.62398	86.45496	12.98922	0.1943876	0.22770877	2.6559274	20	11 18.8	20.4
212210 2005 GT_{162}	16.0	X	222.57799	109.76183	45.59870	10.24466	0.1255316	0.22596564	2.6695688	20	11 2.3	19.8
212211 2005 GO_{167}	16.7	X	207.32044	342.79101	224.82719	3.78021	0.1854569	0.23162069	2.6259381	20	12 13.8	20.7
212212 2005 GP_{167}	16.6	X	312.23550	152.82471	227.56350	3.62260	0.0626515	0.21462769	2.7627752	20	9 13.3	20.1
212213 2005 GZ_{172}	16.9	X	245.19827	307.47742	169.89331	3.93193	0.0722338	0.22529712	2.6748471	20	10 20.4	20.3
212214 2005 GN_{182}	16.5	X	115.48393	163.48700	63.54085	3.57924	0.0847773	0.22044732	2.7139354	20	10 11.3	20.4
212215 2005 GH_{197}	17.2	X	288.80430	49.60440	86.93055	1.83499	0.0446934	0.23647642	2.5898672	20	—	—
212216 2005 GP_{214}	16.8	X	148.24405	125.93398	129.98538	4.56061	0.0462113	0.22870832	2.6481835	20	12 21.4	20.5
212217 2005 GL_{215}	15.7	X	135.90909	348.85102	251.92632	10.68754	0.1882521	0.22259272	2.6964688	20	11 18.4	20.2
212218 2005 GA_{224}	16.3	X	45.68692	227.73743	60.91818	4.53336	0.0682758	0.21369624	2.7707976	20	10 3.4	19.9
212219 2005 HC	16.4	X	25.02135	36.74007	109.00990	7.39305	0.0851137	0.25469402	2.4648484	20	2 13.8	19.0
212220 2005 HV_{3}	15.8	X	118.83963	237.16436	51.88622	14.17164	0.1047017	0.23019592	2.6367623	20	12 30.6	20.0
212221 2005 JU_{9}	17.1	X	232.56047	146.14832	34.00759	5.98608	0.1380348	0.23384334	2.6092721	20	12 14.5	20.7
212222 2005 JF_{13}	16.6	X	272.88070	137.06748	50.80514	3.50540	0.0550714	0.24132175	2.5550834	20	—	—
212223 2005 JZ_{13}	16.2	X	221.41932	218.37878	352.67623	9.85285	0.0772510	0.23581860	2.5946813	20	—	—
212224 2005 JO_{14}	15.7	X	113.13908	258.08350	37.45483	14.19916	0.1907532	0.22650297	2.6653451	20	—	—
212225 2005 JR_{14}	15.6	X	245.79323	21.39031	152.69589	12.11215	0.1173838	0.23214177	2.6220070	20	12 27.6	19.1
212226 2005 JL_{17}	16.3	X	164.28452	84.78816	177.57752	12.90662	0.1657509	0.23213804	2.6220351	20	—	—
212227 2005 JJ_{19}	16.3	X	171.87044	131.49703	112.96952	5.99013	0.1955558	0.22967421	2.6407537	20	12 23.7	20.7
212228 2005 JS_{19}	15.9	X	138.01745	189.75526	88.44968	14.85704	0.0670476	0.23092985	2.6311726	20	—	—
212229 2005 JV_{21}	15.8	X	263.63414	347.72409	186.87394	13.36105	0.0608896	0.23562184	2.5961255	20	—	—
212230 2005 JW_{25}	16.4	X	44.18456	201.83635	126.93989	5.97348	0.1148205	0.21961979	2.7207485	20	11 29.2	20.1
212231 2005 JM_{27}	16.1	X	250.93379	82.09099	90.56664	4.16768	0.1901967	0.23488650	2.6015410	20	12 22.5	19.2
212232 2005 JO_{30}	16.8	X	202.87269	123.75855	164.16022	3.85844	0.1855893	0.24093244	2.5578350	20	—	—
212233 2005 JR_{30}	15.6	X	130.99711	105.91639	211.17666	11.63667	0.2797828	0.23060093	2.6336739	20	—	—
212234 2005 JP_{31}	15.4	X	70.19087	272.11185	38.21736	14.37374	0.2131744	0.21986873	2.7186945	20	12 13.9	19.8
212235 2005 JY_{32}	16.5	X	227.27940	113.92833	129.70856	4.69928	0.1595269	0.23974616	2.5662656	20	—	—
212236 2005 JB_{33}	16.3	X	214.66109	70.73759	167.72579	14.91672	0.0645017	0.23800938	2.5787347	20	—	—
212237 2005 JJ_{35}	16.8	X	223.44084	61.24409	194.11166	8.42904	0.1288938	0.23930234	2.5694377	20	—	—
212238 2005 JD_{36}	15.9	X	177.56377	57.70928	86.87066	11.01986	0.0608924	0.21308419	2.7761008	20	9 8.1	20.2
212239 2005 JW_{38}	15.7	X	109.57083	284.31816	44.09677	4.11695	0.2833567	0.22819494	2.6521538	20	—	—
212240 2005 JW_{42}	15.9	X	54.62291	89.62467	198.13598	7.26161	0.1619625	0.21458996	2.7630990	20	10 26.5	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
212241 2005 JN_{44}	16.6	X	254.19854	159.49567	65.30183	4.93439	0.2025947	0.24200986	2.5502378	20	—	—
212242 2005 JL_{49}	16.9	X	133.18374	209.24388	127.20956	3.40430	0.0540806	0.23934196	2.5691541	20	—	—
212243 2005 JQ_{57}	16.4	X	62.25954	113.10344	241.85998	3.80625	0.1203730	0.22838529	2.6506799	20	—	—
212244 2005 JU_{57}	17.0	X	179.08565	258.28454	291.61228	0.85691	0.0107749	0.22202775	2.7010412	20	11 5.5	20.7
212245 2005 JS_{65}	15.9	X	156.80843	244.80153	16.74994	11.25235	0.1672421	0.22948294	2.6422208	20	—	—
212246 2005 JV_{65}	15.8	X	150.13249	341.52957	258.57718	7.96180	0.1062679	0.22700380	2.6614233	20	12 1.9	19.9
212247 2005 JS_{67}	16.0	X	119.79305	22.07574	254.19098	3.71782	0.0800664	0.22527925	2.6749885	20	12 14.7	20.0
212248 2005 JG_{68}	16.0	X	322.45831	309.47313	187.13721	14.75372	0.1349977	0.24184858	2.5513715	20	—	—
212249 2005 JQ_{68}	15.8	X	102.88327	115.34717	190.80000	12.27696	0.1700534	0.22526725	2.6750835	20	—	—
212250 2005 JQ_{76}	16.5	X	67.27150	1.05279	235.62709	5.44682	0.0258601	0.20956156	2.8071243	20	8 13.2	20.4
212251 2005 JH_{83}	16.9	X	195.44174	89.59533	183.82428	2.45718	0.1826808	0.23751428	2.5823170	20	—	—
212252 2005 JJ_{83}	16.9	X	330.31265	150.54874	148.55423	2.68571	0.0542273	0.20270741	2.8700511	20	6 22.4	20.5
212253 2005 JQ_{88}	15.9	X	131.92365	11.14254	214.46406	7.04337	0.0984331	0.21941446	2.7224456	20	10 25.9	20.1
212254 2005 JZ_{88}	16.0	X	293.57790	44.45048	115.44033	4.77467	0.1931561	0.24094042	2.5577785	20	—	—
212255 2005 JX_{91}	16.0	X	163.92658	331.43101	308.13639	12.11389	0.2391148	0.23419986	2.6066234	20	—	—
212256 2005 JH_{94}	16.4	X	190.09764	257.01965	225.93742	3.47758	0.0579384	0.21321646	2.7749526	20	8 18.8	20.6
212257 2005 JS_{109}	15.0	X	53.46781	260.87355	54.46891	31.15303	0.1869259	0.21612271	2.7500196	20	11 27.3	19.0
212258 2005 JY_{109}	16.0	X	65.90812	232.80491	62.74547	6.06667	0.1042786	0.21854318	2.7296767	20	11 11.4	19.8
212259 2005 JC_{111}	16.1	X	138.12353	158.52250	65.35573	12.72652	0.0846441	0.22094295	2.7098751	20	11 2.3	20.2
212260 2005 JG_{111}	15.9	X	135.22874	193.06901	70.64885	13.20997	0.1607216	0.22485042	2.6783886	20	12 14.9	20.3
212261 2005 JN_{113}	17.8	X	275.27232	322.70278	190.43182	4.41637	0.0423756	0.29928128	2.2135178	20	—	—
212262 2005 JL_{115}	16.3	X	345.65100	211.85383	121.41110	7.07433	0.0441621	0.21165825	2.7885553	20	9 3.6	19.8
212263 2005 JM_{117}	15.9	X	308.09103	265.51629	130.77045	6.97944	0.0694777	0.21559700	2.7544882	20	10 3.0	19.3
212264 2005 JJ_{122}	15.6	X	82.49957	110.59170	198.43617	10.84022	0.1948693	0.22291412	2.6938764	20	12 23.8	20.1
212265 2005 JA_{126}	16.6	X	320.77188	89.70998	358.41041	12.44936	0.0969333	0.23858927	2.5745546	20	—	—
212266 2005 JF_{128}	15.6	X	175.45684	215.70868	118.31421	6.44973	0.2779030	0.23946787	2.5682535	20	2 4.8	20.1
212267 2005 JT_{131}	15.6	X	187.21667	104.15233	159.18079	7.63152	0.1733350	0.23370167	2.6103265	20	—	—
212268 2005 JH_{132}	15.6	X	149.61013	287.87064	8.98358	12.85451	0.1781728	0.23230393	2.6207867	20	—	—
212269 2005 JQ_{136}	16.4	X	235.01077	286.75662	200.86493	11.98571	0.2167728	0.22969621	2.6405851	20	9 29.4	20.2
212270 2005 JU_{136}	15.8	X	33.32555	175.78408	190.46178	17.74691	0.1273978	0.22893479	2.6464367	20	—	—
212271 2005 JO_{140}	16.3	X	200.09795	25.87646	180.11120	9.98068	0.1659938	0.22932852	2.6434068	20	12 7.0	20.4
212272 2005 JV_{143}	17.1	X	213.65092	43.58353	122.03580	3.92136	0.0592597	0.22331358	2.6906629	20	11 13.5	20.9
212273 2005 JR_{147}	15.3	X	45.08389	196.26060	156.94084	14.29272	0.1748220	0.22228956	2.6989200	20	—	—
212274 2005 JK_{148}	15.8	X	94.50976	29.76783	153.58573	14.01060	0.1555678	0.20456028	2.8526939	20	7 27.6	20.2
212275 2005 JY_{157}	16.3	X	145.25901	95.45695	166.20120	12.32182	0.1867563	0.22548985	2.6733227	20	12 21.6	21.0
212276 2005 KO_{1}	16.3	X	136.80553	68.57200	187.47564	4.77116	0.1855940	0.22434620	2.6824002	20	12 8.2	20.8
212277 2005 KN_{5}	16.9	X	186.96587	136.55639	45.40016	5.64811	0.0920664	0.22307117	2.6926119	20	10 30.1	20.7
212278 2005 KV_{8}	17.0	X	183.03279	65.59826	166.89293	4.94791	0.1137765	0.22837124	2.6507887	20	12 25.5	21.1
212279 2005 KF_{11}	15.2	X	81.39308	203.18802	115.21746	29.43802	0.0498480	0.22407166	2.6845908	20	12 24.9	19.3
212280 2005 LK_{1}	16.4	X	159.17645	39.53220	164.11377	9.20981	0.0629567	0.21938215	2.7227130	20	10 30.1	20.5
212281 2005 LQ_{6}	15.6	X	18.52120	171.09594	189.34589	25.77303	0.1270493	0.21882849	2.7273035	20	12 6.4	19.6
212282 2005 LX_{8}	16.0	X	142.11335	82.21844	115.42022	12.21191	0.0461516	0.21512117	2.7585485	20	10 5.9	20.2
212283 2005 LC_{21}	16.0	X	164.09393	342.02074	223.84980	8.78431	0.1527290	0.22092038	2.7100597	20	11 1.6	20.3
212284 2005 LX_{22}	16.2	X	295.11913	204.71909	69.60326	0.26470	0.0478748	0.18374868	3.0642196	20	4 3.1	20.3
212285 2005 LW_{28}	16.1	X	163.99588	336.31183	227.29327	4.59158	0.0958949	0.22197999	2.7014287	20	10 31.7	20.1
212286 2005 LX_{32}	16.5	X	11.90080	160.90977	165.83257	2.83468	0.0742988	0.21427644	2.7657936	20	10 5.3	19.9
212287 2005 LG_{38}	16.4	X	303.20073	81.72950	153.27539	6.98699	0.1139530	0.18478639	3.0527371	20	2 14.8	20.6
212288 2005 LE_{45}	15.7	X	239.29068	353.17961	204.02904	11.45667	0.1218640	0.23329181	2.6133829	20	—	—
212289 2005 MF_{3}	16.2	X	149.88090	145.04825	185.62271	10.92503	0.1911775	0.23707833	2.5854817	20	1 3.5	20.3
212290 2005 MJ_{3}	15.8	X	356.12308	211.42879	137.53432	6.24045	0.0926060	0.21309350	2.7760200	20	10 14.5	19.1
212291 2005 MC_{11}	16.0	X	267.63075	271.61229	106.04864	3.49722	0.0297276	0.20323511	2.8650809	20	7 12.8	19.8
212292 2005 MZ_{14}	15.8	X	306.56308	170.07467	149.88724	4.69967	0.1297835	0.19055997	2.9907602	20	6 5.7	19.6
212293 2005 MG_{28}	15.5	X	283.66139	116.62659	153.55663	10.32592	0.0589152	0.17912886	3.1166810	20	3 14.9	19.8
212294 2005 MP_{36}	15.9	X	236.07234	305.22410	329.50121	3.95931	0.1425064	0.17211103	3.2008371	20	1 21.9	21.1
212295 2005 MT_{54}	15.1	X	1.36699	260.68696	302.33336	14.16952	0.0906594	0.18216054	3.0820038	20	3 23.8	19.3
212296 2005 NH_{5}	15.9	X	31.47972	126.09243	120.37824	7.31514	0.1731652	0.19705715	2.9246546	20	7 28.3	19.3
212297 2005 NV_{22}	16.2	X	74.14058	163.03158	148.55683	5.93941	0.0674786	0.22080183	2.7110297	20	12 7.0	20.1
212298 2005 NN_{30}	16.1	X	226.02320	242.23997	109.96522	3.03834	0.1018052	0.18237272	3.0796130	20	4 14.2	20.8
212299 2005 NP_{35}	16.0	X	261.59021	336.74702	327.77926	2.30389	0.0843469	0.18127211	3.0920658	20	3 25.1	20.5
212300 2005 NB_{41}	16.2	X	321.59502	132.68692	127.98970	2.71346	0.1135360	0.18657135	3.0332351	20	4 13.7	20.0
212301 2005 NO_{52}	15.6	X	178.26871	194.03592	152.69669	5.84205	0.1529802	0.17233362	3.1980804	20	2 22.2	20.6
212302 2005 NX_{57}	15.2	X	15.21268	5.46811	146.90070	9.96933	0.0409053	0.17422983	3.1748341	20	2 19.3	19.5
212303 2005 NZ_{71}	16.1	X	285.33736	97.55417	167.32501	6.65979	0.1427677	0.18002440	3.1063362	20	2 26.1	20.6
212304 2005 NR_{72}	16.1	X	136.72479	85.18614	101.23051	3.28262	0.0084455	0.20319168	2.8654892	20	9 7.3	20.1
212305 2005 NT_{78}	16.7	X	155.27712	128.81317	164.77798	7.75226	0.3295803	0.22637596	2.6663419	20	—	—
212306 2005 OT_{4}	17.2	X	156.43626	335.73304	221.07109	3.94483	0.0929793	0.27550063	2.3391298	20	10 23.6	20.5
212307 2005 OG_{6}	15.5	X	244.33429	254.06495	73.51231	2.34937	0.1059112	0.17791272	3.1308677	20	4 2.9	20.1
212308 2005 OD_{7}	15.5	X	239.02705	314.84209	0.83840	8.69879	0.0719893	0.17481885	3.1676988	20	3 16.8	20.2
212309 2005 OS_{11}	15.0	X	166.86825	274.78506	134.19970	13.73967	0.0545561	0.17836856	3.1255312	20	4 26.0	19.9
212310 2005 QX_{6}	16.0	X	213.49662	126.52922	207.30313	0.70982	0.2198161	0.17263025	3.1944158	20	3 6.4	21.4
212311 2005 QM_{20}	15.6	X	272.51642	164.93192	150.62009	4.20654	0.1897585	0.18089666	3.0963426	20	4 8.9	20.3
212312 2005 QY_{26}	15.1	X	327.22627	100.00649	162.05537	16.60099	0.2038150	0.18092617	3.0960060	20	4 15.2	18.9
212313 2005 QZ_{34}	16.0	X	285.99695	167.88159	126.64650	1.41706	0.2059467	0.18085549	3.0968125	20	3 26.3	20.4
212314 2005 QU_{42}	14.9	X	206.86490	315.18546	18.40425	5.21738	0.1473364	0.17058273	3.2199269	20	3 4.3	20.1
212315 2005 QZ_{55}	14.9	X	266.10250	163.08900	167.70977	13.68576	0.1575121	0.18005936	3.1059341	20	4 26.4	19.6
212316 2005 QP_{60}	15.4	X	260.65888	321.48530	322.32385	9.21063	0.1873882	0.17482645	3.1676070	20	2 18.5	20.5
212317 2005 QA_{62}	16.0	X	304.66157	242.13277	122.18551	3.08822	0.0600899	0.19367776	2.9585770	20	8 10.8	19.7
212318 2005 QV_{70}	15.8	X	324.63962	198.68170	121.79091	2.96827	0.2118996	0.19026666	2.9938331	20	6 25.7	19.0
212319 2005 QZ_{71}	15.4	X	235.84301	149.18715	175.07634	5.63887	0.1805432	0.17487394	3.1670334	20	3 15.2	20.5
212320 2005 QG_{108}	15.7	X	321.59079	60.86223	188.83348	3.84578	0.1278276	0.17805627	3.1291847	20	3 27.9	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
212321 2005 QQ_{126}	16.5	X	14.41947	326.28365	162.97814	7.27888	0.1587239	0.22825343	2.6517007	20	1 3.1	19.3
212322 2005 QM_{146}	15.2	X	273.70108	299.69272	353.92028	16.88755	0.1892654	0.18071470	3.0984208	20	3 13.7	19.7
212323 2005 QG_{157}	14.7	X	59.00669	193.36608	211.89381	9.56481	0.0861192	0.15042029	3.5015884	20	—	—
212324 2005 RH_{16}	15.9	X	322.83842	229.97847	341.72256	4.52616	0.1214517	0.17098555	3.2148678	20	2 13.8	20.0
212325 2005 SB_{22}	15.5	X	226.28255	186.37014	148.45375	5.36198	0.1489466	0.17233690	3.1980398	20	3 22.4	20.5
212326 2005 SU_{26}	15.4	X	247.61843	198.14159	100.07394	2.53852	0.1432241	0.17075853	3.2177165	20	2 28.8	20.5
212327 2005 SX_{54}	15.9	X	270.97192	126.96506	173.45526	0.63949	0.2020482	0.17453000	3.1711929	20	3 17.8	20.7
212328 2005 SD_{59}	15.8	X	261.07457	146.96779	197.36115	16.59319	0.2153413	0.17922620	3.1155523	20	4 29.2	20.7
212329 2005 SR_{72}	15.7	X	267.57067	135.63256	183.35406	5.85335	0.1094680	0.17778799	3.1323319	20	4 17.5	20.2
212330 2005 SM_{90}	16.3	X	101.76806	166.91704	195.84916	4.36017	0.1334947	0.21789658	2.7350741	20	—	—
212331 2005 SK_{122}	15.0	X	315.31509	273.23374	5.23342	18.17751	0.2106683	0.18000542	3.1065546	20	4 8.6	19.0
212332 2005 SC_{152}	16.7	X	189.64546	209.49925	129.36369	4.10386	0.1410809	0.22981367	2.6396852	20	2 18.1	20.9
212333 2005 SF_{191}	14.8	X	277.44124	105.09935	188.28067	25.94179	0.2016322	0.17437180	3.1731107	20	3 14.8	19.6
212334 2005 SL_{204}	15.0	X	287.06039	215.98653	201.69960	1.93962	0.0553581	0.13040349	3.8513227	20	9 15.4	20.3
212335 2005 SB_{212}	16.2	X	34.63846	12.70580	256.91905	0.85189	0.1275050	0.18899743	3.0072217	20	8 25.9	20.0
212336 2005 SZ_{227}	16.8	X	186.60821	171.69182	27.80992	2.21831	0.0190813	0.20440347	2.8541527	20	11 22.4	20.8
212337 2005 SD_{273}	14.8	X	32.04035	253.62380	39.11948	0.86111	0.1571898	0.12392745	3.9843520	20	9 15.8	19.9
212338 2005 SH_{278}	15.4	X	302.51040	128.01231	161.46635	5.96994	0.2228345	0.17809598	3.1287196	20	4 8.0	19.6
212339 2005 SL_{280}	15.7	X	171.76275	15.06566	88.05500	6.59674	0.1026367	0.17709342	3.1405166	20	7 2.9	20.5
212340 2005 TN_{5}	14.7	X	319.77245	39.80600	230.37146	14.07720	0.1950994	0.17869099	3.1217703	20	4 8.3	18.8
212341 2005 TX_{90}	16.3	X	139.28737	200.81617	24.92958	5.72260	0.0521191	0.20243066	2.8726664	20	10 29.5	20.4
212342 2005 TY_{120}	16.7	X	79.16985	225.04819	176.03892	1.71837	0.0781533	0.22002181	2.7174333	20	—	—
212343 2005 TV_{135}	15.3	X	259.02750	245.30188	28.78101	4.43930	0.0970515	0.16770271	3.2566869	20	2 17.6	20.2
212344 2005 UJ_{13}	14.7	X	227.42987	87.27075	23.44711	4.04779	0.1435432	0.12403516	3.9820451	20	8 31.3	20.6
212345 2005 UW_{13}	14.9	X	43.98822	60.97152	205.75694	2.23550	0.1680743	0.12394029	3.9840770	20	9 1.7	20.1
212346 2005 UY_{68}	15.0	X	299.57726	280.36339	11.42272	9.52294	0.2136498	0.17700365	3.1415784	20	4 6.3	19.3
212347 2005 UX_{121}	16.0	X	347.11471	237.87855	20.94517	2.19577	0.1886438	0.17668726	3.1453276	20	5 16.3	19.3
212348 2005 UK_{123}	16.3	X	240.31786	156.97319	304.45023	0.37830	0.0199198	0.19119904	2.9840923	20	9 24.5	20.5
212349 2005 UM_{169}	17.2	X	143.99977	267.93846	337.12595	1.70848	0.1534332	0.26846236	2.3798365	20	12 8.3	20.8
212350 2005 VU_{43}	15.5	X	254.38274	233.71821	40.24473	6.25267	0.1127039	0.16703837	3.2653160	20	2 11.9	20.5
212351 2005 XE_{12}	17.1	X	111.78617	158.28077	203.34152	2.42604	0.1038524	0.21634537	2.7481324	20	—	—
212352 2005 YC_{33}	16.9	X	178.07496	258.95645	121.78766	24.40377	0.0967133	0.35944537	1.9590587	20	3 27.0	19.9
212353 2005 YG_{172}	16.9	X	34.49230	116.91268	99.88691	24.08126	0.0425726	0.36613812	1.9351119	20	6 11.9	18.6
212354 2006 BQ_{101}	16.2	X	49.91242	171.29688	124.69086	11.93321	0.1867505	0.24667437	2.5179863	20	11 13.5	19.9
212355 2006 DT_{37}	17.1	X	138.34989	128.42451	3.54689	3.47110	0.0655762	0.29579967	2.2308529	20	7 7.3	20.0
212356 2006 DC_{87}	17.5	X	12.12936	227.12787	124.87259	2.53151	0.0920188	0.31359873	2.1456219	20	12 5.9	19.8
212357 2006 DJ_{116}	16.5	X	241.82140	161.00982	160.29438	6.76203	0.1221781	0.27903137	2.3193557	20	3 14.4	19.7
212358 2006 DP_{150}	17.2	X	18.55938	240.80461	188.70124	5.23885	0.2011270	0.26513736	2.3996916	20	—	—
212359 2006 EV_{52}	16.6	X	239.61265	167.10947	168.49995	15.95248	0.7075170	0.34429844	2.0161028	20	3 2.7	21.3
212360 2006 FD_{6}	16.2	X	33.78041	122.58480	135.25178	8.47923	0.1471761	0.29524130	2.2336647	20	8 27.6	18.4
212361 2006 FQ_{24}	17.5	X	298.85395	139.40903	148.84716	2.88283	0.2031778	0.27893746	2.3198762	20	3 26.8	20.3
212362 2006 FS_{41}	17.2	X	10.03214	44.04062	179.10620	3.44977	0.1759926	0.28319456	2.2965687	20	5 10.4	18.8
212363 2006 GK_{12}	17.5	X	338.79636	184.85028	91.77499	2.99258	0.2136257	0.28498826	2.2869223	20	5 20.6	19.1
212364 2006 GC_{23}	17.2	X	41.76745	152.05008	149.71643	2.97860	0.1409972	0.30215148	2.1994777	20	11 12.4	19.8
212365 2006 GF_{25}	18.1	X	58.22973	193.07938	83.10832	1.24705	0.1628897	0.30083812	2.2058745	20	10 30.9	20.8
212366 2006 GQ_{31}	16.8	X	99.42666	29.77174	207.99620	4.48504	0.1078567	0.30195232	2.2004448	20	10 20.1	19.6
212367 2006 GC_{35}	18.1	X	36.60003	216.47954	69.86727	3.20303	0.1511055	0.29810202	2.2193515	20	10 15.5	20.5
212368 2006 GK_{37}	15.7	X	55.05072	15.71645	154.75864	24.68751	0.2086387	0.28369487	2.2938679	20	6 3.2	18.8
212369 2006 GD_{39}	14.1	X	208.42163	136.74871	152.05714	9.66238	0.1264482	0.12581435	3.9444150	20	1 18.1	20.3
212370 2006 GP_{40}	17.0	X	85.20506	181.18687	86.40834	4.42811	0.1680192	0.30389884	2.1910386	20	11 19.0	20.1
212371 2006 HE_{6}	17.3	X	106.19934	142.45910	134.76653	3.08078	0.1209647	0.30989673	2.1626756	20	12 20.5	20.3
212372 2006 HF_{15}	17.4	X	38.72080	51.14737	202.03414	4.29543	0.0681301	0.29398880	2.2400043	20	8 11.6	19.8
212373 Pietrocascella	17.1	X	152.19516	12.14826	222.52432	3.32801	0.0866410	0.31056343	2.1595794	20	12 15.3	20.0
212374 2006 HG_{18}	17.0	X	102.97335	169.36276	83.87504	6.84154	0.1760168	0.30498729	2.1858225	20	11 18.7	20.2
212375 2006 HE_{33}	15.3	X	185.65688	140.26341	98.32291	6.09811	0.1341075	0.18029575	3.1032187	20	12 23.9	20.2
212376 2006 HR_{35}	17.1	X	129.68159	143.19385	126.57670	4.60680	0.1945797	0.31127219	2.1562999	20	—	—
212377 2006 HO_{39}	17.3	X	165.19922	38.67826	152.90287	3.04287	0.0967362	0.30723447	2.1751511	20	11 2.2	20.1
212378 2006 HW_{43}	16.8	X	121.30555	258.21507	28.35473	2.25369	0.0885378	0.31352763	2.1459462	20	—	—
212379 2006 HD_{55}	17.1	X	77.99578	180.15949	64.13663	5.84036	0.1176444	0.29804854	2.2196170	20	10 7.2	20.0
212380 2006 HQ_{55}	16.8	X	31.19201	87.98680	180.83670	6.78785	0.1376488	0.29520724	2.2338365	20	9 5.1	19.1
212381 2006 HP_{59}	17.4	X	75.79054	141.76031	150.90819	2.06478	0.1561588	0.30658908	2.1782026	20	12 10.9	20.4
212382 2006 HJ_{63}	17.4	X	331.87560	174.51178	203.61603	5.11760	0.1768178	0.30272285	2.1967093	20	11 12.2	18.7
212383 2006 HQ_{77}	17.2	X	106.49313	210.60332	40.17197	3.56122	0.1161173	0.30421647	2.1895132	20	11 14.8	20.3
212384 2006 HK_{82}	17.5	X	173.98249	297.89043	220.82113	2.90961	0.0924668	0.30208419	2.1998043	20	9 25.7	20.5
212385 2006 HL_{84}	17.5	X	62.14719	30.47093	192.63837	5.04190	0.0566101	0.29060187	2.2573753	20	7 31.5	20.1
212386 2006 HP_{86}	17.2	X	71.35278	233.91471	62.00751	5.47965	0.1380436	0.30678083	2.1772948	20	12 8.6	20.0
212387 2006 HM_{88}	17.2	X	89.51827	1.12350	232.61618	5.85858	0.1181236	0.29871713	2.2163038	20	10 1.6	20.2
212388 2006 HP_{100}	17.3	X	109.02754	125.64575	138.02437	5.35799	0.1342291	0.30658285	2.1782320	20	12 6.3	20.6
212389 2006 HU_{108}	17.1	X	67.85656	142.26786	118.76000	6.48086	0.1381485	0.29882432	2.2157738	20	10 21.2	20.0
212390 2006 HD_{111}	17.4	X	106.76789	280.47774	270.65859	2.12280	0.0836194	0.29587538	2.2304723	20	8 21.1	20.2
212391 2006 HG_{111}	16.7	X	127.62327	341.91610	249.31229	4.04928	0.1174121	0.30605229	2.1807487	20	11 11.5	19.7
212392 2006 HE_{140}	17.2	X	60.43348	354.75948	56.34035	2.86879	0.1649804	0.25607620	2.4559710	20	—	—
212393 2006 HE_{153}	17.4	X	329.52152	124.62209	150.14759	3.12963	0.1579978	0.27962361	2.3160796	20	5 5.4	19.4
212394 2006 JD_{7}	17.6	X	151.40514	16.80827	173.02899	2.74093	0.0872946	0.30391568	2.1909576	20	10 14.3	20.5
212395 2006 JL_{12}	16.9	X	129.31110	217.65045	183.60781	7.85209	0.1287903	0.26700834	2.3884684	20	2 27.6	20.2
212396 2006 JN_{19}	17.0	X	211.20561	291.86201	92.11920	4.01809	0.0958422	0.28065423	2.3104061	20	5 5.2	20.2
212397 2006 JZ_{23}	17.5	X	289.65936	80.84006	240.56906	1.65424	0.1457290	0.28234906	2.3011512	20	5 8.2	20.2
212398 2006 JF_{27}	17.9	X	76.56114	74.71188	198.62901	4.89494	0.0504260	0.30390422	2.1910127	20	11 5.4	20.6
212399 2006 JH_{38}	17.8	X	255.19729	354.33684	100.23871	2.55156	0.0435304	0.30760163	2.1734198	20	10 24.6	20.1
212400 2006 JZ_{38}	17.1	X	230.53599	131.29745	156.90645	2.07235	0.2078226	0.26186941	2.4196147	20	1 19.5	21.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
212401 2006 JW_{42}	16.7	X	138.33918	70.31710	80.46265	4.53498	0.1328270	0.29447672	2.2375293	20	8 7.5	20.0
212402 2006 JN_{48}	17.5	X	31.37705	35.24344	230.23997	2.93885	0.0896505	0.29227786	2.2487375	20	8 21.9	19.8
212403 2006 JQ_{60}	17.2	X	254.15189	88.09439	195.08257	1.59245	0.2248163	0.26632707	2.3925398	20	1 31.4	21.2
212404 2006 KO_{1}	16.9	X	111.79721	344.15575	251.00502	5.23116	0.1213532	0.30267700	2.1969311	20	10 29.9	19.9
212405 2006 KM_{8}	16.8	X	113.67334	329.82911	239.43066	7.34767	0.0883271	0.29832912	2.2182251	20	9 22.3	19.9
212406 2006 KJ_{23}	17.2	X	3.11107	219.01321	61.81232	3.62491	0.1232865	0.28753182	2.2734153	20	7 31.2	19.1
212407 2006 KE_{27}	17.5	X	67.57189	231.29683	62.16091	3.94673	0.1237453	0.30317002	2.1945486	20	11 29.2	20.2
212408 2006 KV_{27}	17.9	X	228.05880	73.87939	50.92585	1.42404	0.0700200	0.30574032	2.1822319	20	10 22.5	20.3
212409 2006 KZ_{36}	18.0	X	50.55298	50.45310	184.11150	2.21660	0.1175195	0.29013316	2.2598059	20	8 11.4	20.3
212410 2006 KG_{39}	17.0	X	330.18588	203.22296	94.22788	4.63318	0.2027737	0.28194676	2.3033396	20	6 6.3	18.6
212411 2006 KO_{42}	17.3	X	307.33288	243.75151	64.12464	2.36708	0.1160905	0.28129964	2.3068708	20	5 21.7	19.4
212412 2006 KN_{56}	17.0	X	191.76138	211.89364	119.99040	3.94952	0.2082912	0.26234737	2.4166750	20	2 10.2	21.1
212413 2006 KW_{58}	17.4	X	131.79493	259.30706	197.87846	6.23930	0.0597788	0.28034289	2.3121164	20	5 9.5	20.4
212414 2006 KB_{69}	17.6	X	123.88026	343.59923	293.16970	0.22122	0.1742211	0.30972251	2.1634866	20	—	—
212415 2006 KP_{97}	15.8	X	171.80130	303.82227	180.35245	12.11249	0.0757504	0.22621871	2.6675774	20	7 29.9	20.0
212416 2006 KV_{100}	17.7	X	310.07344	307.06830	329.14412	1.82553	0.1612231	0.27712416	2.3299850	20	3 31.4	20.4
212417 2006 KJ_{103}	15.9	X	244.45467	273.81204	28.11373	14.71721	0.2403638	0.26074977	2.4265361	20	2 22.1	20.2
212418 2006 KD_{113}	17.1	X	117.94915	2.29376	218.51311	4.92961	0.1928920	0.30069856	2.2065570	20	10 20.4	20.4
212419 2006 KK_{113}	17.3	X	83.12742	81.21789	181.91382	4.73092	0.1125347	0.30174215	2.2014664	20	11 6.3	20.3
212420 2006 KD_{116}	17.1	X	238.13686	232.09736	123.95705	2.63069	0.0940476	0.27870669	2.3211567	20	4 28.6	20.3
212421 2006 KV_{120}	17.0	X	145.34497	85.10173	100.87293	4.70622	0.1478070	0.30114493	2.2043760	20	10 3.3	20.3
212422 2006 LG_{7}	16.1	X	195.39857	191.62047	124.17867	7.32075	0.1153976	0.25503473	2.4626527	20	1 22.5	19.6
212423 2006 MT_{1}	16.2	X	48.59937	205.50607	155.51195	15.53018	0.1279576	0.23889395	2.5723651	20	—	—
212424 2006 MA_{9}	16.7	X	349.10672	215.94382	185.33150	3.28732	0.0617867	0.22878950	2.6475570	20	12 11.1	19.9
212425 2006 MQ_{13}	17.3	X	16.40777	193.68409	29.67690	3.01886	0.1484763	0.28165116	2.3049509	20	5 23.3	19.0
212426 2006 OB	17.0	X	255.40979	208.22496	102.45960	3.57446	0.2039956	0.26470817	2.4022848	20	3 9.9	20.8
212427 2006 OL	17.4	X	318.68870	14.46435	318.58748	1.90840	0.1800246	0.28094659	2.3088030	20	7 14.4	19.1
212428 2006 OX_{1}	16.9	X	248.69171	278.03793	54.24184	2.16181	0.1974890	0.26712516	2.3877720	20	3 30.4	20.6
212429 2006 OF_{4}	16.6	X	338.07843	117.93866	161.75737	2.95309	0.2172455	0.27170120	2.3608860	20	5 24.4	18.2
212430 2006 OV_{7}	16.9	X	251.16516	215.24454	110.11146	2.61271	0.2005766	0.26579531	2.3957299	20	3 24.3	20.5
212431 2006 OO_{11}	17.0	X	271.51486	132.71637	185.14534	1.83920	0.2271308	0.26695561	2.3887829	20	3 30.8	20.6
212432 2006 OX_{12}	17.2	X	279.71802	197.51049	93.72983	3.62529	0.2223486	0.26692048	2.3889925	20	3 7.4	20.6
212433 2006 OP_{15}	15.9	X	107.55538	259.32257	65.51575	10.39441	0.0901337	0.23832611	2.5764495	20	—	—
212434 2006 OA_{16}	15.7	X	274.26854	165.96939	326.96368	21.65329	0.0152385	0.23282058	2.6169081	20	12 30.7	19.5
212435 2006 OJ_{16}	16.7	X	275.38612	113.40383	143.68088	3.16933	0.1768840	0.25917810	2.4363360	20	1 23.8	20.2
212436 2006 OA_{20}	15.9	X	103.68800	280.43044	47.43507	7.89445	0.1468627	0.23719473	2.5846358	20	—	—
212437 2006 PA_{13}	17.7	X	78.69575	108.07024	158.77386	6.12017	0.2057662	0.29442756	2.2377784	20	11 14.3	21.1
212438 2006 PP_{13}	16.9	X	174.96254	64.75593	201.49606	5.40202	0.1000824	0.24040511	2.5615741	20	—	—
212439 2006 PN_{15}	16.1	X	24.97314	28.58856	308.03137	2.22815	0.0498414	0.22052116	2.7133295	20	11 2.5	19.6
212440 2006 PH_{19}	17.3	X	289.68860	112.53866	166.84723	2.36359	0.1697121	0.26552389	2.3973622	20	3 8.4	20.5
212441 2006 PU_{19}	17.2	X	245.25446	306.28450	4.32950	2.21585	0.1987847	0.26106545	2.4245796	20	2 29.1	21.1
212442 2006 PQ_{23}	17.0	X	259.48902	162.72589	105.44745	2.39178	0.1579652	0.25846259	2.4408303	20	1 24.1	20.6
212443 2006 PA_{24}	17.0	X	325.53060	237.86074	59.38311	3.26432	0.1514103	0.27570776	2.3379581	20	6 2.3	18.9
212444 2006 PD_{24}	16.0	X	353.46924	358.12398	341.22214	12.45647	0.1914181	0.21571968	2.7534437	20	9 28.0	18.7
212445 2006 PQ_{34}	16.3	X	202.29259	250.20508	74.66515	3.41599	0.2272073	0.25616279	2.4554175	20	2 11.8	20.4
212446 2006 PL_{39}	15.4	X	157.52446	47.42542	317.90677	14.19303	0.1767879	0.18198330	3.0840047	20	2 23.4	20.4
212447 2006 PU_{39}	15.6	X	183.58320	257.77649	123.26196	10.86778	0.1046208	0.19038661	2.9925755	20	4 9.7	20.4
212448 2006 PT_{41}	15.9	X	186.35476	240.10940	153.38031	10.61020	0.1158343	0.19193077	2.9765029	20	4 26.1	20.7
212449 2006 PQ_{42}	16.1	X	60.13120	68.57164	182.71755	5.06315	0.1111791	0.21533332	2.7567363	20	9 7.5	19.9
212450 2006 QO	16.8	X	39.22687	258.58867	26.94565	7.03366	0.2148222	0.28836452	2.2690366	20	10 24.6	19.5
212451 2006 QV_{15}	16.2	X	338.05861	178.78409	109.65225	3.10060	0.0441361	0.20340576	2.8634782	20	6 20.1	19.7
212452 2006 QJ_{18}	16.4	X	232.55611	203.85987	82.01147	7.17252	0.1125295	0.25379149	2.4706886	20	1 23.7	20.1
212453 2006 QL_{19}	16.7	X	169.66796	279.47742	38.26150	5.56838	0.1123781	0.24525699	2.5276782	20	—	—
212454 2006 QZ_{19}	15.3	X	213.06544	181.30180	151.03426	12.72727	0.1114877	0.18548045	3.0451168	20	3 7.9	20.1
212455 2006 QA_{20}	17.2	X	345.50947	310.12031	329.42715	5.38160	0.2693664	0.27723100	2.3293863	20	6 7.6	18.4
212456 2006 QK_{20}	15.4	X	170.61398	341.31024	344.40668	7.45258	0.1623316	0.17608198	3.1525315	20	1 24.5	20.5
212457 2006 QO_{22}	16.3	X	256.09283	166.75027	114.06939	4.50999	0.1667383	0.25914956	2.4365149	20	2 5.0	20.0
212458 2006 QF_{24}	14.7	X	129.22919	8.35574	348.35940	14.39190	0.0860326	0.17033757	3.2230157	20	1 15.9	19.6
212459 2006 QK_{26}	15.7	X	132.37622	161.59537	221.28182	2.19630	0.0746063	0.17710424	3.1403887	20	2 12.4	20.2
212460 2006 QD_{28}	16.5	X	280.76476	267.63277	24.23176	5.20863	0.2247089	0.26322841	2.4112795	20	3 9.4	20.0
212461 2006 QT_{29}	16.9	X	270.31496	190.35798	110.36112	3.21981	0.2099273	0.26332172	2.4107098	20	3 11.2	20.6
212462 2006 QH_{30}	16.9	X	240.87812	175.25821	121.37444	1.91788	0.1780801	0.25865734	2.4396050	20	2 9.4	20.8
212463 2006 QP_{32}	15.7	X	337.15651	197.10728	165.68571	10.76476	0.1721216	0.21429865	2.7656025	20	10 2.9	18.4
212464 2006 QK_{34}	16.3	X	213.49060	255.33263	326.56755	2.96821	0.0972102	0.23562101	2.5961316	20	—	—
212465 Goroshky	16.0	X	357.18692	212.52444	151.14869	8.80795	0.0922213	0.21989755	2.7184570	20	11 6.9	19.4
212466 2006 QA_{41}	15.5	X	100.90122	58.76556	347.95453	10.11536	0.0923721	0.17690230	3.1427782	20	2 10.2	20.0
212467 2006 QC_{42}	15.9	X	263.00956	214.19340	119.89501	3.12216	0.0930640	0.19583128	2.9368472	20	5 2.7	20.0
212468 2006 QL_{43}	15.3	X	147.83915	28.00811	359.11721	9.60819	0.1024240	0.17847405	3.1242996	20	3 9.4	20.1
212469 2006 QS_{44}	15.9	X	31.57751	210.86948	120.12270	7.34930	0.0356944	0.22186566	2.7023566	20	11 6.4	19.6
212470 2006 QU_{44}	16.9	X	283.61709	118.23045	159.49804	2.65378	0.1727925	0.26365631	2.4086698	20	2 27.8	20.3
212471 2006 QH_{47}	15.3	X	187.41789	15.39560	22.05596	11.96910	0.1157166	0.19086185	2.9876058	20	4 26.7	20.1
212472 2006 QQ_{47}	16.6	X	250.02535	278.91369	29.71863	7.17696	0.2288511	0.26127827	2.4232629	20	3 2.4	20.6
212473 2006 QR_{52}	16.0	X	59.24342	175.36143	114.69435	4.40835	0.0524497	0.21887214	2.7269409	20	10 21.7	19.7
212474 2006 QW_{53}	16.0	X	121.31093	235.87909	68.40734	6.60051	0.0997706	0.23454975	2.6040305	20	—	—
212475 2006 QL_{62}	16.7	X	323.03587	143.79506	141.65444	3.19473	0.2207125	0.26989708	2.3713951	20	4 29.3	18.9
212476 2006 QR_{65}	16.3	X	356.57634	319.68575	351.43207	0.87849	0.0596641	0.20889487	2.8130938	20	8 19.1	19.6
212477 2006 QK_{71}	15.7	X	298.43737	33.78436	147.37203	5.88514	0.1137907	0.17127370	3.2112610	20	—	—
212478 2006 QK_{72}	15.9	X	30.68167	295.90746	0.96508	4.33539	0.0488103	0.21323106	2.7748259	20	9 18.8	19.3
212479 2006 QU_{78}	16.5	X	45.54608	345.32868	353.80767	4.59416	0.2383012	0.22392156	2.6857903	20	12 30.2	20.4
212480 2006 QB_{79}	15.9	X	283.56420	226.10069	137.20484	3.08956	0.0937806	0.20371844	2.8605474	20	7 5.4	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
212481 2006 QM_{81}	16.9	X	51.89703	160.05900	138.13925	3.17051	0.1608563	0.21873760	2.7280590	20	11 6.5	20.7
212482 2006 QQ_{81}	15.7	X	334.23021	0.04871	339.80899	7.53257	0.1054560	0.20850740	2.8165777	20	8 23.2	18.8
212483 2006 QF_{82}	16.6	X	304.49195	236.99698	166.55671	5.12961	0.1513497	0.21349716	2.7725198	20	9 26.5	19.7
212484 2006 QC_{93}	16.9	X	271.35418	118.75547	178.66783	6.44120	0.1225812	0.26445518	2.4038166	20	3 16.5	20.1
212485 2006 QS_{93}	17.0	X	296.59091	172.37566	216.30147	6.28255	0.1741384	0.28240839	2.3008289	20	8 26.1	19.2
212486 2006 QE_{100}	15.3	X	200.19693	44.53737	324.02881	9.42950	0.1043709	0.18629551	3.0362286	20	4 2.1	20.1
212487 2006 QM_{100}	16.0	X	346.63513	308.69699	37.01817	9.81563	0.1659253	0.21323473	2.7747940	20	9 28.9	18.8
212488 2006 QG_{103}	17.1	X	225.89404	27.11353	225.85594	1.06329	0.0758202	0.24439631	2.5336091	20	—	—
212489 2006 QL_{113}	16.5	X	254.40129	115.72641	213.32466	5.58597	0.1704860	0.26288650	2.4133697	20	4 1.8	19.9
212490 2006 QL_{117}	15.0	X	250.23570	106.48196	271.95411	1.73297	0.2550843	0.12462621	3.9694451	20	5 24.9	21.2
212491 2006 QW_{117}	16.2	X	210.97639	84.24656	235.49408	0.97486	0.1757963	0.18238707	3.0794514	20	2 17.5	21.4
212492 2006 QH_{122}	16.6	X	319.89649	73.69101	191.75281	6.86641	0.2062766	0.26703173	2.3883289	20	3 25.0	19.0
212493 2006 QL_{139}	16.4	X	246.30467	210.59834	129.24086	3.11863	0.1020103	0.19479467	2.9472569	20	4 19.9	20.8
212494 2006 QO_{139}	16.1	X	332.85783	350.93098	15.96709	5.75399	0.0668556	0.21586376	2.7522184	20	9 29.2	19.2
212495 2006 QU_{141}	16.2	X	155.29961	97.36938	146.45321	5.04071	0.0868741	0.22824829	2.6517406	20	12 13.0	20.2
212496 2006 QX_{144}	15.9	X	28.04708	164.17643	200.91636	5.61881	0.0438516	0.22464830	2.6799948	20	12 14.3	19.5
212497 2006 QV_{154}	16.3	X	20.07112	10.07792	356.81819	4.92266	0.0677025	0.22430537	2.6827257	20	12 8.5	19.8
212498 2006 QS_{165}	16.1	X	130.23343	327.55238	277.61667	3.75894	0.0533945	0.22179895	2.7028984	20	11 15.6	20.1
212499 2006 QA_{168}	16.3	X	318.66115	276.11029	101.86198	4.42378	0.1036733	0.21243849	2.7817232	20	9 21.3	19.5
212500 Robertojoppolo	16.2	X	131.00863	287.18592	7.76811	7.85674	0.1865739	0.23039881	2.6352140	20	—	—
212501 2006 RK_{6}	16.2	X	95.30829	324.42653	5.31487	4.15351	0.2609774	0.23005750	2.6378197	20	—	—
212502 2006 RQ_{6}	15.7	X	35.16303	171.84692	192.20520	14.23936	0.1472480	0.22200365	2.7012367	20	—	—
212503 2006 RS_{7}	16.2	X	6.21109	140.53938	175.00244	3.32111	0.1745341	0.21239375	2.7821138	20	9 20.9	19.0
212504 2006 RK_{8}	16.1	X	16.31731	136.54412	178.79823	3.27066	0.0864793	0.21290178	2.7776862	20	9 27.3	19.6
212505 2006 RT_{16}	16.4	X	83.21881	257.42599	65.41821	2.35370	0.0517106	0.22695170	2.6618307	20	12 30.3	20.1
212506 2006 RE_{17}	16.0	X	76.87534	294.08320	16.31467	8.95158	0.1325898	0.22437035	2.6822077	20	12 14.6	20.2
212507 2006 RB_{18}	15.1	X	227.56844	13.65648	318.63964	9.41149	0.1476601	0.18448107	3.0561043	20	3 15.1	20.1
212508 2006 RZ_{18}	15.8	X	139.91670	305.31468	340.53116	11.74855	0.1820358	0.23113901	2.6295850	20	—	—
212509 2006 RA_{20}	16.3	X	345.21166	240.89507	171.43650	6.69404	0.0405209	0.22359804	2.6883804	20	12 16.7	19.9
212510 2006 RL_{22}	17.1	X	16.29541	357.79016	339.11213	2.87761	0.1691216	0.28747378	2.2737213	20	11 25.0	19.6
212511 2006 RC_{27}	16.7	X	165.20539	135.51286	162.17548	4.09937	0.2057003	0.23819500	2.5773948	20	—	—
212512 2006 RF_{27}	16.4	X	117.27732	139.02210	182.40877	13.44517	0.2273033	0.23243832	2.6197764	20	—	—
212513 2006 RB_{31}	15.2	X	185.36149	14.28001	343.11655	9.89200	0.1080260	0.18028369	3.1033571	20	3 9.5	20.1
212514 2006 RC_{33}	16.3	X	282.40011	279.22412	27.65276	8.81702	0.2537016	0.26335527	2.4105050	20	3 27.2	19.7
212515 2006 RG_{34}	15.8	X	7.23233	307.43404	43.12560	6.71653	0.0469929	0.21534427	2.7566429	20	10 27.2	19.4
212516 2006 RM_{34}	15.3	X	147.52249	207.34635	170.49294	5.96993	0.1385042	0.17527409	3.1622114	20	2 28.9	20.3
212517 2006 RZ_{35}	15.2	X	210.72854	154.90186	188.54399	10.40026	0.1889029	0.18219670	3.0815961	20	3 14.6	20.3
212518 2006 RK_{36}	15.7	X	265.98419	22.17941	3.67914	13.98586	0.2341978	0.20348762	2.8627102	20	6 21.3	20.2
212519 2006 RE_{40}	15.2	X	178.67116	227.45611	166.73692	12.63550	0.1254483	0.18386758	3.0628986	20	4 19.5	20.2
212520 2006 RD_{43}	16.3	X	330.29455	263.66637	29.12155	1.94269	0.0718831	0.19576234	2.9375365	20	6 11.9	19.9
212521 2006 RK_{43}	15.8	X	117.58683	232.57299	14.53107	9.03869	0.1160559	0.21693960	2.7431117	20	11 5.0	20.2
212522 2006 RY_{46}	16.2	X	30.97869	282.59609	30.17957	5.23802	0.0674215	0.21204509	2.7851627	20	10 12.9	19.8
212523 2006 RB_{55}	16.5	X	29.67553	196.60245	114.51006	1.69022	0.0615269	0.21032780	2.8003024	20	10 8.1	20.0
212524 2006 RO_{57}	16.2	X	195.74637	35.10547	2.14719	2.78047	0.0903440	0.18961434	3.0006955	20	5 6.2	20.8
212525 2006 RM_{61}	16.2	X	298.42778	30.56333	331.32951	1.19019	0.0872902	0.20522513	2.8465295	20	7 26.7	19.8
212526 2006 RZ_{67}	15.4	X	120.33480	90.12565	349.90606	10.00770	0.0828946	0.18282861	3.0744914	20	4 6.1	20.0
212527 2006 RY_{71}	16.2	X	223.57995	24.75058	0.81255	1.72840	0.0805931	0.19231542	2.9725327	20	5 22.3	20.5
212528 2006 RE_{74}	15.9	X	355.25596	99.74405	169.27740	1.99254	0.0369349	0.19634216	2.9317505	20	6 19.1	19.8
212529 2006 RL_{74}	15.9	X	82.61623	358.88744	149.46433	1.33409	0.0839527	0.18755088	3.0226647	20	5 19.5	20.1
212530 2006 RR_{74}	16.1	X	58.49909	101.20815	42.45131	1.24053	0.1156393	0.18110779	3.0939358	20	4 14.9	20.0
212531 2006 RD_{77}	16.0	X	296.20680	191.89628	146.59508	2.75350	0.0473546	0.19802718	2.9150959	20	6 26.6	19.9
212532 2006 RH_{78}	16.9	X	139.24161	126.22476	149.78762	3.35802	0.1058769	0.22834131	2.6510203	20	—	—
212533 2006 RB_{85}	16.0	X	107.42138	236.14590	189.35170	8.48626	0.0834587	0.17515236	3.1636764	20	3 6.7	20.5
212534 2006 RK_{87}	16.1	X	218.77007	205.15055	159.17048	1.31180	0.0206467	0.18696514	3.0289746	20	4 25.7	20.3
212535 2006 RY_{89}	16.3	X	187.45345	272.89426	350.31347	2.90774	0.1176213	0.23412590	2.6071723	20	—	—
212536 2006 RY_{91}	15.5	X	89.76749	252.04090	193.97638	4.62549	0.1557167	0.17338640	3.1851217	20	3 21.5	20.0
212537 2006 RM_{95}	16.0	X	214.39579	347.51049	2.14495	4.39423	0.0471512	0.18142304	3.0903506	20	3 31.2	20.6
212538 2006 RS_{95}	16.3	X	71.05986	222.06718	15.39033	6.09174	0.0082541	0.20179971	2.8786511	20	8 20.7	20.2
212539 2006 RS_{97}	15.6	X	193.20599	37.32367	204.52648	9.51411	0.1679500	0.23100195	2.6306251	20	—	—
212540 2006 RR_{99}	16.4	X	7.08642	323.95412	15.49810	3.34349	0.0797657	0.21473167	2.7618833	20	10 14.8	19.8
212541 2006 RY_{104}	15.7	X	104.66064	241.96056	333.84379	6.88786	0.1616536	0.21240900	2.7819807	20	9 18.2	20.0
212542 2006 SF_{4}	16.0	X	35.43302	349.71793	307.54414	5.73338	0.2354429	0.21465766	2.7625180	20	10 21.5	19.6
212543 2006 SU_{4}	15.7	X	36.12899	318.40763	31.77527	13.92153	0.2798897	0.21751281	2.7382903	20	—	—
212544 2006 SA_{8}	15.6	X	188.23547	64.28984	335.24082	9.07501	0.0188038	0.18744265	3.0238282	20	4 28.6	20.1
212545 2006 SG_{11}	16.7	X	109.54883	157.44508	167.71508	7.97721	0.1988189	0.23257102	2.6187798	20	—	—
212546 2006 SV_{19}	17.6	X	170.86675	182.55999	116.21411	7.35565	0.5155106	0.31639092	2.1329796	20	—	—
212547 2006 SD_{20}	16.0	X	153.98102	352.16156	20.93155	17.50391	0.0268556	0.17293828	3.1906216	20	2 29.3	20.8
212548 2006 SW_{23}	16.5	X	93.71040	178.78091	157.90613	4.44845	0.1320452	0.23072803	2.6327067	20	—	—
212549 2006 SA_{24}	15.3	X	157.80694	241.03785	147.20487	12.05525	0.1037779	0.17612549	3.1520124	20	3 22.6	20.2
212550 2006 SR_{25}	15.5	X	158.52987	144.82845	190.31183	5.42910	0.1203854	0.17260673	3.1947060	20	1 19.4	20.6
212551 2006 SL_{30}	16.4	X	71.31214	351.47190	266.59512	5.23431	0.0263979	0.21484940	2.7608742	20	9 16.0	20.3
212552 2006 SU_{36}	15.0	X	325.96862	350.13323	207.32594	17.76552	0.0792579	0.17348548	3.1839089	20	1 31.2	19.7
212553 2006 SY_{37}	16.8	X	87.72657	44.69415	292.35193	4.64791	0.0840379	0.22867055	2.6484751	20	—	—
212554 2006 SG_{43}	16.1	X	201.38939	200.82032	194.60274	9.23595	0.0089522	0.18674087	3.0313992	20	5 15.3	20.4
212555 2006 SQ_{46}	15.9	X	121.17717	299.23330	335.99673	13.57664	0.0532912	0.22519229	2.6756771	20	12 13.6	20.1
212556 2006 SV_{49}	16.1	X	95.19660	113.23938	192.82527	11.97532	0.1246084	0.22351395	2.6890546	20	12 26.9	20.5
212557 2006 SW_{49}	15.2	X	104.78676	67.24397	19.98297	15.85519	0.0802608	0.17694644	3.1422555	20	4 1.6	19.6
212558 2006 SM_{50}	15.1	X	106.70941	100.54849	340.72395	8.73044	0.0407952	0.17882775	3.1201785	20	3 18.5	19.6
212559 2006 SE_{66}	15.9	X	305.07465	133.88164	178.64046	11.98497	0.0467180	0.19738099	2.9214548	20	6 5.8	20.0
212560 2006 SF_{66}	16.2	X	95.00711	254.97328	357.89805	8.88251	0.1086904	0.21570452	2.7535727	20	10 18.8	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
212561 2006 SP_{73}	15.1	X	251.14856	66.21344	191.62796	10.68810	0.0686153	0.16969307	3.2311712	20	1 20.1	20.1
212562 2006 SY_{74}	16.3	X	15.44513	212.66223	83.37821	3.20098	0.0430678	0.20308288	2.8665125	20	8 26.2	20.0
212563 2006 SM_{80}	15.9	X	341.90033	296.39395	43.49512	5.10403	0.1209505	0.20940631	2.8085115	20	9 7.9	19.1
212564 2006 SJ_{81}	16.7	X	151.17665	66.49273	178.00443	2.50726	0.1309081	0.22371829	2.6874170	20	12 7.4	20.8
212565 2006 SW_{83}	16.2	X	22.63578	301.84868	23.08027	5.53881	0.1663347	0.21410248	2.7672916	20	10 30.4	19.4
212566 2006 ST_{84}	16.4	X	9.89217	312.19237	31.55150	2.26078	0.0925718	0.21382171	2.7697135	20	10 26.2	19.8
212567 2006 SW_{85}	16.0	X	301.57988	80.18045	195.38690	9.24205	0.0336246	0.18522767	3.0478867	20	4 15.4	20.1
212568 2006 SH_{91}	16.0	X	191.06898	318.56979	19.02091	3.45023	0.1190064	0.17534165	3.1613991	20	2 23.2	20.9
212569 2006 SL_{92}	15.6	X	172.12013	157.84894	207.17554	4.32392	0.1450116	0.17605771	3.1528212	20	3 7.0	20.7
212570 2006 SE_{94}	15.9	X	234.51006	210.97945	35.83454	6.09226	0.2375121	0.23969399	2.5666380	20	—	—
212571 2006 SH_{97}	16.4	X	76.31558	120.31969	194.15443	4.63884	0.1125413	0.22038462	2.7144501	20	12 17.1	20.4
212572 2006 SG_{99}	16.3	X	161.22143	266.96658	16.30399	7.23871	0.1991145	0.23350284	2.6118081	20	—	—
212573 2006 SM_{106}	17.0	X	160.46631	62.42606	198.42271	4.52075	0.2036703	0.23025091	2.6363424	20	—	—
212574 2006 SO_{111}	14.8	X	193.68615	54.90128	291.98809	9.89846	0.0866917	0.17896800	3.1185482	20	3 1.5	19.8
212575 2006 SH_{115}	16.2	X	138.77325	3.25111	29.37721	1.18454	0.0884408	0.17589287	3.1547908	20	3 4.8	20.8
212576 2006 SK_{115}	15.9	X	165.34366	61.10285	282.96343	3.50905	0.0933765	0.17562010	3.1580566	20	2 3.5	20.7
212577 2006 SK_{116}	16.6	X	248.51699	133.41043	184.65486	0.64848	0.0460945	0.18167090	3.0875391	20	3 31.9	21.2
212578 2006 SD_{123}	15.9	X	354.64995	238.69531	132.17079	10.39109	0.0908648	0.21654179	2.7464703	20	11 12.4	19.4
212579 2006 SG_{124}	15.3	X	182.36475	230.19442	137.78868	12.64388	0.1645040	0.17973239	3.1096999	20	3 24.4	20.5
212580 2006 SN_{125}	15.1	X	144.73143	228.46244	156.23423	17.69229	0.1512857	0.17518978	3.1632259	20	3 7.6	20.0
212581 2006 ST_{133}	16.1	X	184.76592	38.19296	213.30830	4.37054	0.0467358	0.23132058	2.6282088	20	—	—
212582 2006 SD_{134}	15.6	X	101.36659	35.37231	12.19834	11.66810	0.0848071	0.17185928	3.2039622	20	2 13.6	20.2
212583 2006 SS_{139}	15.2	X	202.93110	226.58280	38.04784	18.33744	0.1883090	0.23616300	2.5921581	20	—	—
212584 2006 SO_{149}	16.3	X	199.49352	3.88212	242.01388	1.80478	0.1632785	0.23246620	2.6195670	20	—	—
212585 2006 SQ_{159}	16.3	X	112.20449	5.73104	66.31232	2.97174	0.0868644	0.17508577	3.1644785	20	3 23.5	20.8
212586 2006 SD_{161}	16.1	X	302.45292	256.50497	91.44628	3.26225	0.0936535	0.19884380	2.9071092	20	7 12.4	19.7
212587 Bartasiute	15.9	X	182.28373	265.08475	359.04445	7.23166	0.1660813	0.23381926	2.6094513	20	—	—
212588 2006 SK_{173}	17.5	X	190.58540	239.63089	224.28996	2.05599	0.1193801	0.27124380	2.3635394	20	7 27.0	21.0
212589 2006 SQ_{173}	15.5	X	165.68797	159.90288	203.93050	7.83658	0.0866010	0.17768804	3.1335063	20	2 24.6	20.4
212590 2006 SA_{177}	16.1	X	208.18823	353.34412	22.83908	3.35421	0.1366133	0.18669585	3.0318865	20	4 22.0	20.8
212591 2006 SO_{192}	16.3	X	220.07538	301.92286	60.86464	3.96142	0.0929975	0.18729410	3.0254269	20	4 20.9	21.0
212592 2006 SH_{194}	15.8	X	244.39458	311.16983	3.62536	10.03755	0.0481694	0.18159743	3.0883718	20	3 23.0	20.1
212593 2006 SF_{206}	16.2	X	195.65687	23.05395	18.27184	2.61321	0.0539185	0.18762200	3.0219008	20	5 12.4	20.5
212594 2006 SN_{208}	15.1	X	144.47381	31.10916	18.66510	11.04231	0.0932987	0.18031118	3.1030418	20	3 31.9	19.9
212595 2006 SZ_{208}	16.5	X	110.30977	285.80617	36.40566	2.86018	0.0997315	0.23050170	2.6344298	20	—	—
212596 2006 SF_{218}	16.5	X	142.90522	293.80591	28.72522	3.66610	0.2426517	0.23603551	2.5930914	20	—	—
212597 2006 SM_{220}	15.6	X	269.60580	65.17357	219.68250	2.97252	0.1223774	0.18384977	3.0630963	20	3 5.1	20.1
212598 2006 SW_{230}	16.5	X	90.11129	320.83688	304.52554	2.38924	0.1588723	0.21747798	2.7385827	20	11 4.6	20.8
212599 2006 SN_{239}	16.1	X	175.84509	212.47757	144.82990	1.94034	0.1642127	0.17802022	3.1296071	20	3 3.4	21.1
212600 2006 SN_{241}	16.1	X	171.81878	278.23811	141.26767	1.97467	0.0881836	0.18891377	3.0081095	20	5 10.4	20.8
212601 2006 SO_{273}	15.6	X	153.16767	20.89574	34.87715	9.83964	0.1229577	0.17708292	3.1406408	20	4 18.9	20.5
212602 2006 SG_{274}	15.6	X	279.80385	275.97777	35.02703	10.82385	0.0446336	0.18815307	3.0162118	20	4 29.5	19.9
212603 2006 SR_{275}	16.4	X	178.65764	85.37140	160.08893	14.04465	0.0754020	0.23449018	2.6044715	20	—	—
212604 2006 SR_{279}	16.5	X	112.35795	37.73475	285.57310	3.31001	0.2750382	0.23197483	2.6232648	20	—	—
212605 2006 SO_{281}	15.2	X	72.23129	26.77247	210.00126	12.51777	0.0672033	0.20482682	2.8502186	20	8 23.7	19.4
212606 Janulis	16.3	X	56.38503	353.57315	325.56016	0.88264	0.1256349	0.21730766	2.7400134	20	12 1.4	20.1
212607 2006 SN_{299}	16.0	X	148.17499	78.29522	6.56935	10.00366	0.0224925	0.18720552	3.0263811	20	5 8.2	20.5
212608 2006 SL_{316}	16.5	X	180.29534	240.91864	39.77102	5.27780	0.2732239	0.23931112	2.5693748	20	—	—
212609 2006 SB_{320}	15.6	X	280.32749	220.96383	37.23189	10.51107	0.0305673	0.17724187	3.1387628	20	3 4.0	20.2
212610 2006 ST_{325}	16.2	X	98.45142	111.20032	195.37571	11.58823	0.0956925	0.22312543	2.6921753	20	12 28.7	20.4
212611 2006 SU_{353}	15.3	X	169.31851	332.30087	51.11402	10.28889	0.0792367	0.17838122	3.1253834	20	3 28.7	20.1
212612 2006 SQ_{358}	15.5	X	166.06507	189.39110	158.32020	4.68503	0.1058730	0.17233671	3.1980421	20	2 9.7	20.5
212613 2006 SY_{365}	15.7	X	51.77033	2.65230	208.16016	8.48105	0.0350502	0.18940778	3.0028768	20	6 20.9	19.8
212614 2006 SZ_{385}	15.3	X	202.15600	210.77635	145.28391	11.61697	0.1016860	0.17921947	3.1156303	20	3 27.9	20.2
212615 2006 SV_{386}	16.4	X	30.39773	196.40742	103.85458	2.47717	0.1167025	0.21114794	2.7930464	20	10 3.3	19.8
212616 2006 SF_{396}	15.7	X	10.95516	306.44973	187.70942	7.92658	0.0571178	0.17225556	3.1990465	20	1 20.6	20.1
212617 2006 SJ_{399}	17.1	X	146.92902	222.81404	62.05929	2.81434	0.1658306	0.23125847	2.6286794	20	—	—
212618 2006 SK_{407}	16.4	X	5.13097	283.29360	5.71268	6.38090	0.0371925	0.19997088	2.8961755	20	8 1.8	20.2
212619 2006 TD_{9}	15.3	X	229.61198	356.57927	331.11323	7.84549	0.1159085	0.18292859	3.0733710	20	3 15.1	20.1
212620 2006 TF_{15}	14.8	X	19.32457	277.33761	211.57394	12.47842	0.0193844	0.16902924	3.2396256	20	1 24.5	19.5
212621 2006 TC_{18}	16.6	X	44.55189	256.82596	66.85784	3.14959	0.2168898	0.21680915	2.7442119	20	12 5.6	20.5
212622 2006 TU_{21}	15.8	X	236.55989	309.16944	51.54812	4.91865	0.0763803	0.18552560	3.0446228	20	5 6.8	20.3
212623 2006 TB_{22}	15.7	X	249.64810	257.44924	77.99830	4.51391	0.0975854	0.18404934	3.0608817	20	4 19.4	20.3
212624 2006 TD_{25}	16.0	X	324.17568	209.09228	29.94892	5.40544	0.0794245	0.17948576	3.1125479	20	3 25.7	20.0
212625 2006 TZ_{26}	16.0	X	206.04018	336.89112	32.07488	5.98353	0.0785307	0.18167754	3.0874639	20	4 14.2	20.6
212626 2006 TZ_{27}	15.0	X	330.08558	193.12325	39.08339	19.03590	0.0904586	0.17830621	3.1262598	20	3 30.7	19.3
212627 2006 TW_{28}	15.9	X	248.95408	253.37007	55.27405	2.05093	0.1469725	0.18121442	3.0927220	20	3 12.0	20.6
212628 2006 TR_{41}	15.0	X	81.43459	66.79413	43.46279	11.95493	0.0529389	0.17755145	3.1351133	20	3 30.9	19.4
212629 2006 TC_{49}	16.2	X	143.31504	352.29388	319.91302	1.54684	0.2078429	0.23452598	2.6042065	20	—	—
212630 2006 TK_{54}	15.4	X	173.81646	63.78309	272.94330	3.74355	0.1433424	0.17027060	3.2238608	20	2 5.8	20.6
212631 Hsinchu	15.3	X	199.58027	196.19442	191.29055	9.11932	0.0580826	0.18331272	3.0690761	20	5 1.5	19.8
212632 2006 TY_{94}	15.6	X	131.61418	23.82449	229.59476	12.71524	0.1879840	0.22011401	2.7166744	20	11 30.1	20.1
212633 2006 TV_{95}	15.5	X	153.49634	325.83951	329.31848	12.37041	0.1778702	0.23469228	2.6029761	20	—	—
212634 2006 TB_{105}	15.8	X	304.69757	191.01113	77.51626	3.73165	0.1023830	0.18190902	3.0848442	20	4 2.4	19.9
212635 2006 TJ_{106}	15.9	X	176.08785	83.89979	329.16156	2.38701	0.0463141	0.18361886	3.0656638	20	5 4.6	20.4
212636 2006 TQ_{109}	15.4	X	200.15035	9.88810	12.61892	7.51560	0.0593425	0.18074348	3.0980918	20	4 23.2	20.0
212637 2006 TC_{110}	15.2	X	190.65812	157.47376	177.77091	18.20259	0.0870192	0.17275492	3.1928787	20	2 16.6	20.3
212638 2006 UE_{2}	15.9	X	229.37019	239.04028	76.52922	5.56774	0.1050844	0.17513227	3.1639184	20	3 6.6	20.8
212639 2006 UB_{5}	16.7	X	274.86366	283.19641	59.86006	2.54985	0.0400674	0.19255422	2.9700745	20	6 4.6	20.7
212640 2006 UD_{25}	16.5	X	298.89402	343.32892	321.74532	1.36868	0.0843937	0.18949869	3.0019163	20	5 11.2	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
212641 2006 UP_{28}	15.5	X	147.02742	34.31801	25.49913	12.17723	0.0907654	0.17936318	3.1139659	20	4 14.7	20.1
212642 2006 UJ_{33}	15.9	X	24.35855	122.50619	73.30557	2.04137	0.0974934	0.18051776	3.1006739	20	4 28.9	19.8
212643 2006 UW_{35}	15.9	X	327.11485	244.27819	355.79577	2.48330	0.0601355	0.17904626	3.1176394	20	3 31.6	20.2
212644 2006 UA_{38}	15.7	X	201.78213	64.67838	249.20717	1.26609	0.0852511	0.16943574	3.2344420	20	2 4.9	20.6
212645 2006 UF_{39}	16.5	X	244.75716	81.27111	33.52143	5.84545	0.0075003	0.20960784	2.8067111	20	10 22.4	20.3
212646 2006 UV_{52}	16.8	X	322.88233	193.29067	94.76079	3.38461	0.0903791	0.18946125	3.0023117	20	5 23.9	20.5
212647 2006 UX_{67}	15.7	X	194.01708	4.49034	66.94167	10.77327	0.0600029	0.19088067	2.9874095	20	6 17.5	20.2
212648 2006 UH_{68}	15.8	X	250.58598	173.40840	169.90592	5.19864	0.1199564	0.18718765	3.0265737	20	4 27.3	20.3
212649 2006 UW_{80}	15.8	X	106.90726	52.74509	223.60556	6.85266	0.1220739	0.21974120	2.7197462	20	12 3.0	20.0
212650 2006 UF_{91}	15.6	X	261.06724	335.86519	44.34048	10.96983	0.1067940	0.19223154	2.9733974	20	6 25.2	19.9
212651 2006 UK_{103}	15.3	X	216.63111	87.40106	202.00055	4.66887	0.0910445	0.16732618	3.2615706	20	1 21.7	20.5
212652 2006 UF_{116}	16.4	X	166.81179	152.62430	130.25836	6.69141	0.2434838	0.23913973	2.5706023	20	—	—
212653 2006 UG_{124}	15.1	X	255.50760	20.30677	320.80101	10.81107	0.1102342	0.18949022	3.0020057	20	4 24.6	19.7
212654 2006 UM_{125}	16.3	X	276.07947	279.40089	17.81668	10.07778	0.0488555	0.18202856	3.0834934	20	4 7.7	20.7
212655 2006 UN_{135}	15.9	X	276.73336	169.53684	151.07751	2.20000	0.1414275	0.18810809	3.0166926	20	4 25.4	20.1
212656 2006 UW_{163}	16.5	X	189.54436	176.25526	95.53013	3.30985	0.1495649	0.23469750	2.6029375	20	—	—
212657 2006 UF_{173}	17.7	X	154.47208	97.75676	189.05689	3.76708	0.0760900	0.30051580	2.2074515	20	—	—
212658 2006 UX_{178}	15.3	X	253.81158	167.49544	185.70104	9.47038	0.0782403	0.18876074	3.0097351	20	5 18.5	19.7
212659 2006 UQ_{195}	17.9	X	196.22257	209.46718	37.07436	4.21957	0.1101303	0.30123918	2.2039162	20	—	—
212660 2006 US_{195}	16.4	X	39.91200	101.66915	194.31497	5.33114	0.0794242	0.21279348	2.7786286	20	10 4.4	20.0
212661 2006 UL_{213}	15.9	X	1.27045	268.14351	8.27812	2.72791	0.0491603	0.19042516	2.9921716	20	7 8.2	19.8
212662 2006 UV_{218}	15.8	X	238.64545	237.42688	175.18546	9.07870	0.0934632	0.19862402	2.9092533	20	7 11.3	20.1
212663 2006 UB_{233}	15.9	X	248.08777	304.63665	56.95704	2.43690	0.1293647	0.18995393	2.9971181	20	5 14.8	20.3
212664 2006 UF_{233}	15.5	X	263.78052	292.27216	48.66632	11.51152	0.0864699	0.18903283	3.0068463	20	5 11.9	19.6
212665 2006 UR_{237}	15.5	X	31.90085	343.92774	171.20001	2.81178	0.1090330	0.17382372	3.1797771	20	3 19.8	19.5
212666 2006 UY_{246}	15.7	X	343.13124	193.79570	355.35799	1.43789	0.0687640	0.17213994	3.2004787	20	2 19.8	20.0
212667 2006 UU_{253}	15.9	X	303.46157	66.08592	158.93760	0.69191	0.0785933	0.17027953	3.2237481	20	2 10.2	20.5
212668 2006 UL_{256}	16.3	X	213.37977	17.89717	55.85209	2.85294	0.0795331	0.19558062	2.9393559	20	7 12.2	20.6
212669 2006 UL_{278}	14.5	X	23.47042	191.26785	228.25259	8.83525	0.0484321	0.15389309	3.4487096	20	—	—
212670 2006 UB_{322}	15.9	X	353.19894	217.69100	52.32924	2.71622	0.0580585	0.19396213	2.9556846	20	6 17.0	19.7
212671 2006 UB_{328}	15.6	X	279.92612	345.45876	7.53329	11.99987	0.0709818	0.19465939	2.9486223	20	6 19.4	19.9
212672 2006 UP_{332}	15.7	X	323.90753	88.06082	152.43677	10.31525	0.0384417	0.18021856	3.1041048	20	4 2.3	20.0
212673 2006 UO_{333}	15.8	X	63.36010	315.37913	161.88011	9.67611	0.0613702	0.17442065	3.1725181	20	3 13.6	19.9
212674 2006 VL_{1}	15.7	X	228.25899	276.44348	33.65793	6.17487	0.1397031	0.17507294	3.1646331	20	2 26.2	20.8
212675 2006 VN_{17}	15.7	X	61.60184	118.33821	43.45912	9.60998	0.0506524	0.17867435	3.1219641	20	5 3.8	19.8
212676 2006 VK_{21}	16.5	X	94.97396	49.41825	230.84096	3.90118	0.1340417	0.22390925	2.6858888	20	11 27.5	20.4
212677 2006 VE_{45}	15.6	X	224.70681	46.75583	252.03085	3.34077	0.1618828	0.17534104	3.1614064	20	2 5.4	20.8
212678 2006 VX_{59}	15.8	X	209.56041	254.93064	95.37869	3.31630	0.0161447	0.17423282	3.1747979	20	3 30.5	20.4
212679 2006 VK_{67}	15.2	X	291.60798	188.98829	66.05146	3.98057	0.0772583	0.16996260	3.2277544	20	3 5.1	19.7
212680 2006 VZ_{97}	16.4	X	261.06818	97.71649	70.44710	2.30440	0.1027237	0.21839732	2.7308919	20	—	—
212681 2006 VP_{99}	15.8	X	144.09863	344.92245	92.24796	5.50580	0.0436163	0.17981453	3.1087528	20	4 30.8	20.4
212682 2006 VT_{109}	16.5	X	213.83697	265.21955	137.78881	6.97204	0.1715007	0.25951543	2.4342243	20	5 29.8	20.4
212683 2006 VL_{169}	17.1	X	327.41835	81.42369	240.78168	3.05602	0.0393354	0.26328496	2.4109342	20	7 24.6	19.9
212684 2006 WF_{60}	15.7	X	263.40627	200.38835	177.62138	5.42303	0.1490022	0.19263155	2.9692796	20	6 19.7	20.1
212685 2006 WK_{70}	16.0	X	102.00675	224.43417	42.60454	9.65659	0.1139701	0.21075093	2.7965529	20	11 13.9	20.3
212686 2006 WV_{74}	15.3	X	235.99380	290.25163	55.97988	10.29899	0.0744602	0.18014960	3.1048969	20	4 21.0	19.9
212687 2006 WL_{82}	16.1	X	299.75197	221.75465	135.40017	2.37450	0.1135370	0.19379751	2.9573581	20	7 17.3	19.9
212688 2006 WR_{106}	17.4	X	55.34639	269.41981	162.32319	5.04891	0.1387614	0.30529059	2.1843745	20	—	—
212689 2006 WF_{159}	15.3	X	196.77183	320.51981	183.83674	3.40553	0.0441649	0.12655335	3.9290445	20	9 14.6	21.0
212690 2006 WW_{181}	14.8	X	104.73924	141.79974	83.72581	4.32205	0.1441713	0.12482041	3.9653267	20	9 22.4	20.7
212691 2006 XJ_{25}	15.6	X	130.75214	98.42134	352.92514	7.46942	0.1757734	0.17240250	3.1972285	20	5 11.2	20.7
212692 Lazauskaite	15.3	X	81.12271	155.27057	77.73964	10.37557	0.0291668	0.17937667	3.1138097	20	8 31.0	19.8
212693 2007 HD_{18}	15.9	X	279.65071	212.98239	60.50462	5.71240	0.0742989	0.21954136	2.7213965	20	3 9.6	19.7
212694 2007 PT_{11}	12.6	X	340.58322	16.15803	359.95888	12.65294	0.0857696	0.08200209	5.2471010	20	9 26.9	19.2
212695 2007 PQ_{38}	17.5	X	21.31717	257.89092	336.64503	19.59899	0.1074171	0.37386042	1.9083721	20	6 26.4	19.4
212696 2007 PH_{39}	16.7	X	183.38324	166.87694	180.06299	2.10325	0.2211870	0.27066418	2.3669125	20	2 20.3	20.7
212697 2007 PF_{40}	16.7	X	146.35309	173.89346	341.08781	5.08650	0.0672447	0.29939666	2.2129491	20	8 20.1	19.4
212698 2007 PA_{41}	16.6	X	71.31414	219.53088	177.47058	6.60279	0.1136849	0.25925602	2.4358478	20	—	—
212699 2007 QN_{3}	17.0	X	178.69317	197.35147	203.08031	4.38392	0.1490809	0.28162039	2.3051189	20	4 21.2	20.3
212700 2007 QJ_{6}	17.1	X	195.22527	218.84382	187.07851	2.71019	0.2107034	0.28451633	2.2894504	20	5 13.9	20.7
212701 2007 QR_{9}	17.1	X	125.95391	164.80567	192.23889	0.59456	0.2029014	0.26061352	2.4273818	20	1 9.7	20.4
212702 2007 QQ_{11}	17.8	X	203.47367	227.94550	163.13050	2.08488	0.1808982	0.28286704	2.2983411	20	5 2.8	21.3
212703 2007 RA_{13}	16.8	X	117.39758	60.06521	327.48112	3.90724	0.2000438	0.26241840	2.4162389	20	2 7.6	20.0
212704 2007 RA_{14}	16.7	X	192.73356	137.68736	223.50757	1.57448	0.2529342	0.27266048	2.3553453	20	3 16.2	20.8
212705 Friûl	17.4	X	73.23900	22.43493	43.35026	1.65072	0.1638604	0.25940618	2.4349077	20	1 19.9	19.8
212706 2007 RU_{16}	17.6	X	197.54667	122.29789	245.08669	0.47497	0.2075645	0.27638559	2.3341340	20	3 27.5	21.4
212707 2007 RD_{17}	17.1	X	331.88908	287.96241	16.49866	19.58342	0.0790174	0.37139699	1.9168015	20	7 20.7	19.2
212708 2007 RW_{24}	17.7	X	228.55491	211.67930	160.34489	6.52865	0.1274121	0.28724617	2.2749222	20	5 7.1	21.0
212709 2007 RC_{39}	15.5	X	138.54187	198.44067	200.71987	2.21745	0.2844696	0.18599384	3.0395107	20	3 27.0	20.7
212710 2007 RS_{39}	17.4	X	54.50618	287.31509	324.71804	19.15625	0.0501426	0.38254249	1.8793872	20	9 8.4	19.2
212711 2007 RE_{45}	16.8	X	121.57766	195.66581	211.47623	4.90948	0.2191550	0.26621707	2.3931989	20	3 8.7	20.3
212712 2007 RW_{46}	16.6	X	46.05366	237.68847	207.06824	6.49351	0.0721626	0.25914856	2.4365212	20	—	—
212713 2007 RN_{57}	17.5	X	218.34903	232.43897	210.44556	5.91257	0.0673393	0.29498603	2.2349531	20	8 5.1	20.4
212714 2007 RY_{57}	15.9	X	270.13054	56.87189	17.75007	15.50197	0.1867834	0.22245669	2.6975680	20	9 14.2	19.4
212715 2007 RO_{92}	17.4	X	181.47365	46.64024	1.82740	4.83754	0.1158396	0.27985665	2.3147937	20	5 2.3	20.7
212716 2007 RY_{103}	17.0	X	184.06761	176.57267	178.67053	5.59129	0.1531289	0.27051404	2.3677881	20	2 28.3	20.7
212717 2007 RH_{118}	16.5	X	56.13892	126.27242	15.88853	6.53525	0.0878668	0.27082615	2.3659687	20	3 29.1	19.0
212718 2007 RO_{126}	17.0	X	217.41119	150.04361	184.28040	1.11184	0.1174035	0.27453653	2.3446029	20	3 5.4	20.4
212719 2007 RN_{127}	18.1	X	301.36597	18.54568	13.16594	3.55402	0.0299791	0.30285403	2.1960749	20	10 2.7	20.3
212720 2007 RA_{128}	17.5	X	266.00005	275.81169	164.59924	2.61158	0.1065926	0.22552613	2.6730359	20	9 23.9	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
212721 2007 RX_{134}	16.8	X	247.14679	204.99160	173.82987	6.38590	0.1065478	0.29034951	2.2586832	20	6 8.8	19.9
212722 2007 RM_{135}	16.9	X	240.50305	198.98387	179.31199	9.95913	0.1405764	0.28804961	2.2706901	20	5 27.5	20.2
212723 Klitschko	17.0	X	107.32068	191.10555	200.58386	3.05883	0.1459792	0.26181495	2.4199502	20	1 21.8	20.0
212724 2007 RP_{144}	16.8	X	99.54663	204.19721	206.86667	6.18517	0.1163312	0.26419746	2.4053796	20	1 30.6	19.8
212725 2007 RC_{145}	17.0	X	328.10966	127.27123	211.61723	4.65889	0.1567208	0.29974953	2.2112120	20	8 19.5	18.5
212726 2007 RD_{145}	17.2	X	266.29959	184.13784	205.65652	3.80090	0.1683186	0.29414809	2.2391956	20	7 10.2	19.7
212727 2007 RW_{161}	17.0	X	154.03190	107.21212	30.28222	5.71756	0.0837102	0.29227768	2.2487384	20	8 6.1	20.1
212728 2007 RK_{162}	16.9	X	225.25601	198.58085	135.61175	3.40283	0.1597619	0.27499124	2.3420175	20	3 12.7	20.4
212729 2007 RJ_{168}	17.2	X	353.91062	262.37560	149.00117	5.52266	0.1060262	0.24172393	2.5522485	20	—	—
212730 2007 RG_{184}	17.3	X	128.51283	233.14412	160.25875	3.81123	0.0815911	0.26821043	2.3813265	20	2 10.5	20.5
212731 2007 RF_{188}	17.0	X	72.19453	106.49929	343.74026	11.74011	0.1528656	0.26440865	2.4040986	20	2 21.1	19.3
212732 2007 RL_{193}	17.0	X	165.69580	266.70603	117.33350	5.14894	0.1647234	0.27142724	2.3624743	20	3 21.8	20.7
212733 2007 RV_{194}	16.4	X	17.20662	131.75880	7.49154	7.57515	0.0871976	0.26154502	2.4216149	20	1 21.8	19.2
212734 2007 RX_{235}	17.0	X	266.41931	272.35801	65.83700	2.09161	0.1843969	0.28333408	2.2958147	20	4 25.9	20.1
212735 2007 RT_{242}	16.7	X	210.37795	284.43178	106.16908	4.72066	0.1566252	0.28390420	2.2927401	20	5 10.5	20.3
212736 2007 RC_{244}	16.9	X	170.68934	318.09435	46.37151	3.79212	0.2095594	0.26895736	2.3769156	20	3 3.9	20.7
212737 2007 RZ_{252}	16.2	X	281.46075	261.71868	191.65527	12.02566	0.1281870	0.23011951	2.6373458	20	11 3.2	19.3
212738 2007 RJ_{271}	16.2	X	258.37539	11.41114	52.23446	4.07711	0.0798630	0.21262032	2.7801370	20	8 25.9	20.0
212739 2007 RN_{271}	16.4	X	295.55732	103.11046	62.63817	4.31711	0.1096188	0.24027791	2.5624781	20	—	—
212740 2007 RZ_{273}	16.8	X	111.42332	219.93197	204.33643	6.70441	0.0674012	0.26735869	2.3863813	20	2 25.6	19.9
212741 2007 RH_{277}	16.4	X	19.20167	251.76565	139.75271	15.44108	0.1381738	0.24249314	2.5468483	20	—	—
212742 2007 RU_{277}	15.0	X	50.80600	271.54343	147.79372	25.49687	0.2401506	0.17460273	3.1703122	20	1 2.0	18.8
212743 2007 RT_{289}	15.1	X	18.65392	60.57950	45.82883	26.72198	0.2557787	0.17335277	3.1855336	20	—	—
212744 2007 RL_{296}	17.0	X	176.90579	247.31575	26.77593	1.93812	0.1163846	0.24500688	2.5293982	20	—	—
212745 2007 SG_{19}	16.6	X	94.47789	240.53674	85.64476	0.76799	0.0703093	0.23554282	2.5967061	20	—	—
212746 2007 SF_{20}	16.6	X	92.66753	104.26322	205.14261	2.87226	0.2018203	0.23797424	2.5789886	20	—	—
212747 2007 TY	16.5	X	293.16670	92.04796	342.44366	3.93890	0.0876335	0.22708930	2.6607553	20	10 27.7	19.8
212748 2007 TB_{2}	17.5	X	314.00356	329.43169	7.39922	3.07350	0.2655648	0.29614977	2.2290943	20	6 24.9	18.9
212749 2007 TM_{4}	17.8	X	31.61299	157.30310	165.37874	3.91210	0.1244543	0.30829535	2.1701582	20	11 26.7	20.4
212750 2007 TW_{6}	16.4	X	113.26902	119.31197	353.70148	6.97143	0.0636694	0.27565808	2.3382390	20	5 4.1	19.4
212751 2007 TD_{9}	16.4	X	258.09215	41.32927	346.24060	1.92321	0.1753924	0.21444738	2.7643236	20	6 22.8	20.3
212752 2007 TA_{10}	16.9	X	326.77762	218.52795	178.84138	2.95668	0.1831314	0.22962531	2.6411286	20	11 4.6	19.3
212753 2007 TE_{11}	16.6	X	189.62246	281.21209	62.17707	0.54289	0.1210569	0.26831285	2.3807204	20	2 19.0	20.2
212754 2007 TL_{12}	16.8	X	349.48140	258.19244	181.29648	3.98728	0.1511945	0.24030427	2.5622906	20	—	—
212755 2007 TW_{12}	16.7	X	304.37855	302.11701	41.02058	4.06668	0.1974654	0.29302077	2.2449350	20	6 27.6	18.7
212756 2007 TY_{16}	17.3	X	111.17115	73.82482	12.41402	2.52101	0.0988893	0.26933221	2.3747096	20	4 2.2	20.1
212757 2007 TZ_{19}	16.6	X	155.26227	358.14417	13.80691	7.51568	0.0946096	0.26600511	2.3944700	20	2 19.9	20.0
212758 2007 TR_{27}	17.7	X	119.69034	261.09826	190.01705	2.21877	0.0212945	0.27432949	2.3457824	20	4 8.5	20.6
212759 2007 TM_{29}	17.0	X	346.31864	40.01847	27.97155	2.32220	0.1387601	0.23772781	2.5807705	20	—	—
212760 2007 TF_{38}	17.3	X	328.76974	119.32567	184.53559	0.62248	0.1145217	0.29272900	2.2464265	20	6 25.3	19.2
212761 2007 TA_{40}	15.9	X	183.39855	298.25487	198.09164	8.51715	0.0945232	0.21529372	2.7570743	20	8 25.9	20.2
212762 2007 TN_{40}	16.2	X	112.19790	321.02745	224.68685	3.43132	0.0413550	0.21024321	2.8010534	20	8 7.2	20.2
212763 2007 TH_{44}	15.7	X	144.64422	268.69922	354.14268	6.22576	0.1966512	0.24000111	2.5644479	20	12 24.6	20.1
212764 2007 TU_{57}	16.7	X	145.61997	249.01783	212.60797	1.79769	0.1276866	0.19868622	2.9086461	20	6 6.1	21.2
212765 2007 TK_{63}	16.8	X	61.07053	265.87705	47.89728	4.22949	0.1135963	0.31050464	2.1598520	20	12 19.2	19.5
212766 2007 TK_{66}	16.0	X	99.84047	72.25378	322.49206	4.18631	0.1335554	0.18036187	3.1024602	20	1 28.7	20.3
212767 2007 TG_{70}	16.8	X	130.35458	348.64154	53.75966	4.67538	0.0486470	0.26573424	2.3960969	20	2 23.4	19.8
212768 2007 TO_{70}	15.4	X	110.14775	257.09249	143.95117	5.92811	0.1545857	0.18199841	3.0838339	20	2 19.8	19.9
212769 2007 TZ_{78}	17.4	X	111.20992	6.78161	247.42717	1.99414	0.1452301	0.30947702	2.1646305	20	11 26.2	20.6
212770 2007 TL_{79}	16.4	X	299.86618	72.68497	335.10563	1.74537	0.0430521	0.22411816	2.6842194	20	10 6.3	19.9
212771 2007 TZ_{87}	16.6	X	295.11477	186.99036	169.06071	4.33057	0.0847814	0.21216022	2.7841550	20	7 13.7	20.1
212772 2007 TZ_{92}	15.9	X	304.31362	260.25267	181.50956	6.65380	0.2214364	0.22966166	2.6408499	20	11 19.5	18.2
212773 2007 TA_{115}	16.3	X	22.08401	211.36212	156.08966	5.41625	0.0999814	0.23455162	2.6040167	20	12 20.2	19.6
212774 2007 TR_{118}	16.2	X	201.51903	329.09381	49.28220	6.23835	0.1814442	0.27420523	2.3464910	20	4 15.7	19.9
212775 2007 TC_{120}	16.8	X	150.54013	282.04027	123.59267	2.84850	0.1912547	0.26983616	2.3717520	20	4 4.7	20.4
212776 2007 TQ_{125}	16.5	X	311.87394	323.05997	84.27562	3.31521	0.2046971	0.22611007	2.6684319	20	10 15.8	18.9
212777 2007 TH_{139}	16.9	X	108.49229	119.55649	10.43313	6.53403	0.1018229	0.27611906	2.3356358	20	5 28.5	20.1
212778 2007 TW_{141}	17.7	X	29.99192	62.89397	116.59475	2.06328	0.1218133	0.26984144	2.3717211	20	4 11.2	19.7
212779 2007 TA_{143}	17.9	X	334.75838	200.47682	157.66885	1.67931	0.1949676	0.30251987	2.1976918	20	10 16.9	19.1
212780 2007 TQ_{158}	17.2	X	208.01489	62.56713	277.57997	1.87378	0.1335990	0.27135938	2.3628682	20	3 2.8	20.7
212781 2007 TU_{165}	15.7	X	329.64381	319.83777	73.78688	6.76515	0.1130082	0.22737761	2.6585056	20	11 4.0	18.6
212782 2007 TT_{186}	16.8	X	184.28368	354.99146	46.80784	6.74422	0.0997022	0.27668798	2.3324331	20	4 28.4	20.2
212783 2007 TO_{203}	15.0	X	23.69444	83.91391	48.82475	22.57815	0.1124554	0.17745762	3.1362183	20	2 17.9	19.3
212784 2007 TV_{212}	17.2	X	63.48019	246.97480	343.71367	4.87245	0.1223503	0.29094059	2.2556230	20	8 27.2	19.9
212785 2007 TG_{213}	17.2	X	16.93268	64.84781	353.41600	4.89292	0.1150950	0.24152887	2.5536224	20	—	—
212786 2007 TC_{217}	16.8	X	326.04428	353.37120	357.45232	3.56677	0.0243437	0.21582897	2.7525141	20	8 29.4	20.2
212787 2007 TF_{221}	17.7	X	125.64106	63.97047	14.94695	6.17059	0.2021719	0.27438169	2.3454849	20	4 21.6	21.0
212788 2007 TK_{221}	17.4	X	59.21590	21.69006	28.12200	1.39759	0.1779205	0.25507695	2.4623809	20	—	—
212789 2007 TH_{226}	17.0	X	183.20725	78.20415	339.33597	7.07762	0.0888253	0.28075796	2.3098370	20	5 15.4	20.4
212790 2007 TX_{228}	16.6	X	215.33217	285.65076	220.74397	2.50149	0.1555053	0.22306923	2.6926275	20	10 8.9	20.5
212791 2007 TN_{232}	16.0	X	128.49486	33.71898	56.15698	1.66610	0.1327277	0.19130959	2.9829426	20	5 5.4	20.5
212792 2007 TZ_{233}	15.8	X	10.22052	92.97964	51.28188	22.66663	0.1838649	0.17445219	3.1721357	20	2 5.7	19.8
212793 2007 TQ_{242}	15.0	X	30.03997	247.64038	228.59697	14.89688	0.2561194	0.17677147	3.1443287	20	1 26.6	18.3
212794 2007 TM_{243}	16.0	X	353.14979	53.08206	343.01265	13.22164	0.1901150	0.23443423	2.6048859	20	12 29.6	19.0
212795 Fangjiancheng	17.2	X	301.64742	239.08064	135.59674	4.86039	0.1244326	0.29571053	2.2313011	20	8 27.4	19.1
212796 Guoyonghuai	16.0	X	200.72033	33.79564	125.62878	5.31697	0.0201995	0.22458745	2.6804789	20	10 26.9	19.7
212797 Lipei	16.2	X	262.49028	264.32726	145.61869	5.81280	0.0750870	0.21413254	2.7670325	20	8 11.8	19.8
212798 2007 TK_{257}	16.9	X	154.13471	50.05520	31.39944	7.22492	0.0756659	0.27677993	2.3319164	20	5 14.9	20.0
212799 2007 TB_{289}	15.1	X	95.00193	276.12232	121.60768	11.73970	0.1092608	0.18034277	3.1026793	20	1 22.6	19.1
212800 2007 TN_{292}	17.4	X	24.95188	337.35485	50.00102	1.86772	0.0876487	0.24049775	2.5609162	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
212801 2007 TR_{299}	17.7	X	14.35822	171.93983	357.62740	1.87401	0.0694809	0.26611590	2.3938053	20	2 26.9	20.2
212802 2007 TZ_{315}	17.4	X	250.86782	72.41460	121.57500	1.93918	0.0547443	0.24336659	2.5407509	20	—	—
212803 2007 TS_{317}	16.7	X	293.95377	205.35126	197.69313	2.28329	0.0399738	0.21970162	2.7200729	20	9 21.3	20.1
212804 2007 TY_{358}	16.5	X	281.66346	79.70833	46.84036	8.70409	0.1334988	0.23428432	2.6059969	20	12 17.1	19.3
212805 2007 TU_{361}	16.9	X	224.31959	15.96770	164.46312	1.09989	0.0828611	0.23102941	2.6304166	20	12 12.4	20.4
212806 2007 TK_{362}	16.4	X	202.40230	275.75641	142.21743	0.82277	0.0251100	0.20081050	2.8880970	20	6 12.6	20.4
212807 2007 TR_{366}	16.5	X	235.94639	152.02801	305.84569	3.95500	0.0378982	0.21912102	2.7248757	20	9 14.2	20.3
212808 2007 TK_{368}	16.4	X	319.58082	107.43414	93.67521	9.44998	0.0524968	0.26088867	2.4256747	20	1 22.6	19.4
212809 2007 TW_{379}	17.0	X	19.48047	277.49993	270.83578	4.21070	0.1064980	0.27352224	2.3503955	20	3 30.4	19.4
212810 2007 TK_{380}	16.3	X	91.40508	267.51229	297.33136	2.92497	0.0391934	0.21344323	2.7729868	20	8 7.1	20.2
212811 2007 TE_{388}	17.3	X	69.44618	280.30776	164.88407	4.27206	0.1180031	0.26170375	2.4206356	20	2 2.0	19.7
212812 2007 TX_{391}	15.9	X	150.58462	58.46591	318.47629	1.25803	0.0189096	0.18731249	3.0252288	20	2 19.5	20.3
212813 2007 TH_{392}	16.9	X	294.93212	271.74218	167.25738	3.35589	0.0386444	0.23148837	2.6269387	20	11 13.4	20.2
212814 2007 TC_{400}	17.2	X	46.51773	1.03740	322.62699	1.99021	0.1930661	0.31076909	2.1586265	20	12 25.2	20.2
212815 2007 TF_{430}	15.9	X	266.88246	356.40887	68.21870	6.93507	0.0284810	0.21976223	2.7195728	20	9 18.5	19.6
212816 2007 TM_{436}	16.2	X	155.09351	70.79511	112.92303	3.23682	0.0219128	0.22614181	2.6681821	20	9 30.8	19.8
212817 2007 UH_{1}	16.0	X	23.24434	340.76314	125.99840	1.94632	0.1574648	0.17421899	3.1749658	20	1 4.5	19.5
212818 2007 UN_{1}	16.7	X	324.59996	56.04123	326.65798	0.51197	0.1595295	0.22560436	2.6724180	20	10 6.8	19.4
212819 2007 UJ_{2}	16.9	X	168.49364	249.83229	152.44336	8.96908	0.2019527	0.27382438	2.3486663	20	4 18.9	20.8
212820 2007 UJ_{14}	17.3	X	261.24625	258.46495	106.38403	2.10702	0.1532697	0.28589624	2.2820777	20	5 30.9	20.4
212821 2007 UV_{15}	16.7	X	324.85032	92.73214	21.82960	14.67683	0.1337128	0.24444642	2.5332629	20	—	—
212822 2007 UU_{17}	17.5	X	334.22893	261.68843	1.23685	0.76244	0.0788023	0.28248163	2.3004312	20	5 4.4	19.7
212823 2007 UW_{19}	16.7	X	171.40531	300.45668	210.78486	1.26652	0.0120084	0.22133761	2.7066529	20	9 6.1	20.4
212824 2007 UL_{25}	17.4	X	83.89468	76.58647	221.37253	3.54562	0.0891717	0.31020312	2.1612513	20	12 22.1	20.2
212825 2007 UV_{25}	16.1	X	171.15470	291.99697	215.49836	8.11822	0.0971060	0.21353683	2.7721764	20	8 26.2	20.5
212826 2007 UZ_{31}	16.8	X	176.51334	324.42564	66.19715	3.16884	0.2098125	0.27117730	2.3639257	20	4 9.6	20.7
212827 2007 UT_{33}	16.4	X	245.27465	29.44655	326.12623	6.07800	0.1349732	0.27961457	2.3161296	20	4 27.9	19.8
212828 2007 UP_{47}	16.2	X	299.22303	193.87888	205.26648	6.27173	0.1950061	0.21940611	2.7225147	20	9 2.4	19.2
212829 2007 UE_{50}	16.2	X	263.94221	10.74155	144.98489	4.85390	0.0885448	0.23355798	2.6113970	20	—	—
212830 2007 UC_{55}	16.3	X	259.96205	83.86539	48.56001	3.19220	0.1514843	0.22888369	2.6468307	20	11 16.9	19.7
212831 2007 UK_{64}	17.6	X	22.40070	128.45775	171.13370	1.52118	0.2034510	0.30222008	2.1991449	20	10 22.3	19.7
212832 2007 UX_{66}	16.9	X	301.82429	121.83648	9.76368	4.03103	0.1792004	0.24047573	2.5610726	20	—	—
212833 2007 UO_{67}	17.6	X	352.85541	66.35606	30.51263	3.39706	0.1538353	0.24508305	2.5288740	20	—	—
212834 2007 UO_{71}	16.0	X	289.46441	19.11939	73.87743	14.50957	0.0664854	0.22824844	2.6517393	20	11 21.6	19.2
212835 2007 UX_{71}	16.8	X	341.86518	295.85739	230.62965	4.55597	0.1570329	0.25898418	2.4375520	20	—	—
212836 2007 UN_{83}	16.7	X	347.19653	343.91226	226.98949	4.52835	0.1494545	0.26641677	2.3920028	20	2 29.4	19.2
212837 2007 UQ_{84}	17.4	X	5.16616	103.64909	50.65756	1.98566	0.1319229	0.25554718	2.4593593	20	1 17.9	19.9
212838 2007 UX_{84}	15.5	X	118.95540	85.49960	56.22599	4.32009	0.0864687	0.19963219	2.8994503	20	6 24.7	19.7
212839 2007 UR_{85}	16.1	X	178.17444	242.70302	200.82108	1.50315	0.0362924	0.20223147	2.8745523	20	6 15.8	20.2
212840 2007 UU_{91}	16.3	X	60.35597	41.85657	51.00275	1.27531	0.1577946	0.17623469	3.1507101	20	2 19.4	20.2
212841 2007 UV_{98}	16.5	X	53.53583	87.29977	58.27235	3.29893	0.1594371	0.18393474	3.0621529	20	4 16.4	20.2
212842 2007 UH_{104}	16.6	X	329.13376	172.45749	78.69414	7.27849	0.0920187	0.27024596	2.3693538	20	4 11.3	19.2
212843 2007 UV_{112}	17.1	X	180.07149	207.72456	42.83836	2.74754	0.0286135	0.24254034	2.5465179	20	—	—
212844 2007 UU_{121}	16.7	X	294.02937	123.84071	18.68652	4.98687	0.2214576	0.24012842	2.5635415	20	—	—
212845 2007 VD_{2}	17.0	X	277.26726	342.83293	344.81767	5.29433	0.1284444	0.28234372	2.3011802	20	4 30.3	20.1
212846 2007 VP_{7}	15.6	X	256.34648	279.35265	242.19778	21.24440	0.0559213	0.23296366	2.6158365	20	12 30.9	19.2
212847 2007 VD_{19}	17.4	X	235.82106	51.22489	85.84063	2.46633	0.0985796	0.22700686	2.6613994	20	10 30.1	20.9
212848 2007 VW_{34}	16.0	X	38.71820	304.54506	197.86151	4.24112	0.0930308	0.18167649	3.0874758	20	3 10.9	20.0
212849 2007 VJ_{36}	17.2	X	318.38459	191.40800	249.37881	2.39126	0.0972096	0.23508658	2.6000647	20	12 19.9	19.9
212850 2007 VL_{54}	16.6	X	174.89169	340.15258	139.43248	3.67868	0.1525387	0.20525511	2.8462523	20	7 27.2	21.2
212851 2007 VN_{60}	16.2	X	4.35157	358.73006	30.04918	4.58508	0.1669637	0.23168861	2.6254248	20	—	—
212852 2007 VM_{63}	16.4	X	261.77183	39.88686	72.04316	5.56982	0.0556622	0.22424144	2.6832356	20	11 6.9	20.0
212853 2007 VS_{63}	16.4	X	277.48283	322.88932	81.02470	4.22937	0.0564495	0.21383509	2.7695980	20	8 29.6	20.0
212854 2007 VU_{72}	16.9	X	57.76605	286.27387	82.80650	1.42207	0.0276705	0.23646671	2.5899380	20	—	—
212855 2007 VW_{72}	16.5	X	183.32553	306.49146	233.31134	3.38562	0.0667535	0.22038568	2.7144414	20	10 23.9	20.5
212856 2007 VX_{73}	17.3	X	39.45997	321.41381	182.53267	2.52704	0.1245921	0.26608511	2.3939900	20	3 5.1	19.4
212857 2007 VK_{84}	16.0	X	258.64721	305.78618	188.77345	12.89687	0.1783856	0.22736293	2.6586201	20	11 15.4	19.5
212858 2007 VM_{85}	16.8	X	238.07081	13.33590	332.04266	6.17945	0.1393171	0.27896758	2.3197093	20	4 6.2	20.3
212859 2007 VQ_{91}	17.0	X	318.86827	84.18999	344.70394	2.72507	0.0760866	0.22955836	2.6416420	20	12 2.1	20.1
212860 2007 VJ_{105}	16.2	X	320.63772	172.39348	242.01641	4.96250	0.0621346	0.22674415	2.6634547	20	11 15.0	19.5
212861 2007 VZ_{106}	16.7	X	46.20533	308.37938	37.22248	2.82269	0.1568901	0.23425307	2.6062287	20	12 30.8	20.3
212862 2007 VF_{111}	17.8	X	74.54432	54.63281	264.23167	1.37179	0.1840035	0.31293337	2.1486621	20	—	—
212863 2007 VN_{114}	16.9	X	278.67897	173.45845	124.39555	3.21877	0.0837602	0.27080144	2.3661126	20	4 1.9	19.8
212864 2007 VN_{115}	15.6	X	48.97459	236.47451	76.41448	15.42213	0.0475116	0.22354982	2.6887670	20	11 9.2	19.3
212865 2007 VX_{119}	16.6	X	98.04410	35.40297	39.53999	11.10494	0.0754765	0.26575072	2.3959978	20	3 2.7	19.7
212866 2007 VL_{123}	17.4	X	21.20602	115.10289	16.59210	2.26856	0.1392658	0.25910796	2.4367757	20	1 13.6	19.5
212867 2007 VL_{127}	17.0	X	137.96128	91.65909	8.28279	6.72057	0.0488445	0.28159008	2.3052842	20	5 17.2	20.0
212868 2007 VB_{143}	16.5	X	308.85388	311.30490	95.46445	3.26445	0.0289342	0.22162226	2.7043348	20	10 20.5	19.9
212869 2007 VW_{152}	15.7	X	222.25734	25.27853	68.68008	5.32164	0.0261809	0.21031977	2.8003737	20	8 27.4	19.6
212870 2007 VX_{166}	16.8	X	186.98759	179.45995	5.87681	1.29606	0.0246569	0.22424459	2.6832104	20	11 8.7	20.3
212871 2007 VG_{169}	16.2	X	33.16970	241.00523	241.58220	1.43117	0.1556340	0.17179964	3.2047037	20	2 11.4	19.7
212872 2007 VT_{173}	15.9	X	276.32810	177.16359	271.24274	8.83442	0.0373480	0.22457496	2.6805783	20	10 25.2	19.6
212873 2007 VP_{184}	16.1	X	263.33550	359.36335	67.56370	6.33764	0.0261934	0.21706057	2.7420924	20	9 16.3	19.8
212874 2007 VC_{185}	16.0	X	220.37981	42.03655	20.60330	6.71083	0.0411535	0.20592834	2.8400455	20	7 11.1	20.1
212875 2007 VM_{188}	17.7	X	22.91087	164.05080	162.90537	3.32414	0.0741779	0.30346469	2.1931278	20	11 11.0	20.0
212876 2007 VD_{219}	16.0	X	252.55454	13.66388	53.15999	5.02968	0.0526345	0.21196044	2.7859041	20	8 27.1	19.8
212877 2007 VB_{229}	16.4	X	120.00714	60.70592	252.49329	3.30410	0.1207904	0.24245541	2.5471125	20	—	—
212878 2007 VA_{230}	17.8	X	111.48171	302.65312	329.38270	0.79817	0.1220153	0.30965496	2.1638012	20	12 19.1	20.7
212879 2007 VH_{230}	16.7	X	284.43480	222.23176	9.33331	0.90357	0.1398041	0.25737872	2.4476781	20	1 6.0	20.1
212880 2007 VK_{232}	16.6	X	109.33933	13.96934	230.82709	5.92772	0.1299979	0.30082043	2.2059610	20	11 10.1	19.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
212881 2007 VC_{235}	15.8	X	9.04333	254.75391	235.36188	5.45623	0.1161691	0.17048964	3.2210989	20	1 11.5	19.9
212882 2007 VT_{238}	16.1	X	253.08354	229.75537	60.23551	1.24497	0.0259712	0.18300876	3.0724734	20	3 5.7	20.4
212883 2007 VV_{241}	16.9	X	282.10555	219.78576	128.79210	8.19658	0.1537235	0.28675026	2.2775443	20	6 6.4	19.6
212884 2007 VD_{252}	16.1	X	21.69845	137.59549	128.30882	4.59381	0.0565725	0.20898075	2.8123230	20	7 25.7	19.6
212885 2007 VP_{253}	15.5	X	63.52388	291.83003	143.38652	6.70263	0.1780462	0.17268283	3.1937674	20	2 4.5	19.3
212886 2007 VC_{270}	17.0	X	233.72786	34.63654	43.92849	5.34791	0.0329332	0.28997949	2.2606042	20	8 30.4	19.7
212887 2007 VV_{272}	16.0	X	269.87028	294.02394	165.89436	22.04445	0.0477733	0.22577348	2.6710833	20	11 7.3	19.9
212888 2007 VU_{284}	15.7	X	137.73471	75.26643	70.35664	11.74215	0.0915739	0.20232003	2.8737134	20	7 23.1	20.2
212889 2007 VK_{286}	17.0	X	4.10011	320.59091	28.25052	2.88452	0.1086903	0.22079426	2.7110916	20	10 27.5	20.3
212890 2007 VE_{287}	16.7	X	5.62389	190.20773	98.62939	7.31835	0.1313303	0.29111353	2.2547295	20	8 22.0	18.7
212891 2007 VW_{290}	16.2	X	241.59313	9.53213	80.53671	3.64063	0.1654448	0.21320259	2.7750729	20	8 27.1	20.3
212892 2007 VV_{291}	16.5	X	115.76915	300.79894	172.15066	1.34788	0.1033139	0.19021770	2.9943468	20	5 17.5	20.9
212893 2007 VG_{293}	15.9	X	104.65823	224.92962	163.82130	10.04582	0.0927860	0.17446965	3.1719241	20	1 21.0	20.5
212894 2007 VV_{306}	16.0	X	128.67400	107.10508	323.84619	1.63376	0.1102385	0.18589746	3.0405611	20	4 9.4	20.6
212895 2007 VS_{309}	16.8	X	5.57478	274.10218	174.53674	0.78596	0.0669710	0.24038453	2.5617203	20	—	—
212896 2007 WR	16.0	X	143.62091	57.45405	71.04423	3.10573	0.0052597	0.20347957	2.8627857	20	6 30.2	19.8
212897 2007 WE_{4}	17.2	X	7.31215	313.93721	30.12847	7.69831	0.1731769	0.30332200	2.1938155	20	11 25.7	19.5
212898 2007 WT_{5}	15.7	X	254.02565	255.67968	257.71483	11.14977	0.1250144	0.23133555	2.6280955	20	12 10.7	18.8
212899 2007 WH_{11}	16.3	X	216.23212	346.48396	173.08887	7.24181	0.0683361	0.22445165	2.6815600	20	11 8.5	20.0
212900 2007 WH_{18}	16.3	X	298.45692	187.38468	134.73461	2.94651	0.0038900	0.19965525	2.8992270	20	6 14.0	20.2
212901 2007 WR_{18}	17.4	X	160.16031	201.69349	171.46663	2.59205	0.1034259	0.26161510	2.4211824	20	2 25.0	20.8
212902 2007 WY_{31}	15.8	X	134.70887	290.19413	278.38199	6.98470	0.1893363	0.21550133	2.7553033	20	10 6.5	20.6
212903 2007 WZ_{38}	15.8	X	64.47958	65.58274	34.86067	5.49889	0.1709407	0.17522236	3.1628338	20	3 9.9	19.8
212904 2007 XB_{4}	15.3	X	34.54654	44.25663	60.14279	11.11083	0.1083587	0.17441335	3.1726067	20	1 21.7	19.4
212905 2007 XN_{4}	16.2	X	120.78418	259.30788	158.92479	1.66071	0.1800050	0.18214129	3.0822210	20	3 25.6	20.8
212906 2007 XN_{7}	16.4	X	12.01304	261.40473	198.00007	6.22363	0.0800757	0.24404295	2.5360542	20	—	—
212907 2007 XO_{7}	15.2	X	65.90364	9.32458	122.40011	8.15665	0.0829247	0.18298669	3.0727204	20	4 9.3	19.4
212908 2007 XD_{8}	16.2	X	52.61807	295.24757	215.48779	1.80175	0.0547606	0.18462828	3.0544796	20	4 7.3	20.3
212909 2007 XQ_{15}	16.2	X	337.63215	11.05329	60.99981	4.90871	0.1555284	0.23123719	2.6288406	20	—	—
212910 2007 XF_{22}	16.1	X	277.04171	14.91139	58.88681	3.15825	0.0330683	0.21775226	2.7362825	20	10 10.6	19.6
212911 2007 XG_{22}	16.2	X	133.73294	64.80620	348.47273	1.05202	0.2737455	0.18419083	3.0593139	20	4 8.0	21.4
212912 2007 XY_{34}	16.5	X	41.67505	19.88309	312.17736	3.16333	0.1698413	0.23047827	2.6346083	20	12 9.0	20.0
212913 2007 XF_{38}	16.1	X	75.72209	306.65840	48.37317	6.51049	0.1687487	0.23912729	2.5706914	20	—	—
212914 2007 XL_{44}	15.7	X	10.31936	92.13946	94.68527	9.29246	0.1329941	0.17995102	3.1071807	20	3 30.3	19.5
212915 2007 XH_{47}	15.8	X	195.64867	342.99761	98.35048	3.25386	0.0240426	0.19828127	2.9126050	20	7 4.7	19.9
212916 2007 XM_{50}	15.4	X	186.18234	262.69259	157.17087	14.61564	0.2042750	0.19547619	2.9404026	20	5 27.1	20.7
212917 2007 YR	16.0	X	344.49347	189.30252	46.54760	5.23718	0.1087908	0.18248380	3.0783630	20	4 17.3	19.8
212918 2007 YL_{4}	17.0	X	18.34965	306.93499	336.50060	4.30017	0.1364917	0.29217217	2.2492798	20	9 5.1	19.1
212919 2007 YL_{13}	15.5	X	284.12961	326.92942	337.99963	7.51489	0.0458858	0.18530559	3.0470321	20	4 24.5	19.8
212920 2007 YN_{21}	16.2	X	9.10564	291.93454	107.03398	5.04262	0.0613450	0.22726096	2.6594152	20	—	—
212921 2007 YD_{23}	15.4	X	21.58329	212.19968	85.72381	13.48683	0.0462352	0.20369166	2.8607982	20	9 12.6	19.4
212922 2007 YL_{32}	15.7	X	83.25486	353.05184	112.83841	2.51092	0.0370390	0.18220001	3.0815587	20	3 21.9	20.0
212923 2007 YZ_{53}	16.1	X	325.91767	240.55912	187.63272	8.79346	0.0506685	0.22757164	2.6569943	20	12 11.9	19.5
212924 Yurishevchuk	15.2	X	200.67680	193.72387	156.07504	10.85124	0.0765431	0.18066716	3.0989642	20	3 17.7	19.9
212925 2008 AL_{31}	15.8	X	230.91005	354.82202	303.55056	10.36148	0.0411356	0.17119305	3.2122694	20	2 16.5	20.6
212926 2008 AD_{43}	15.2	X	263.15900	157.15286	124.79701	9.98010	0.0452524	0.17456986	3.1707101	20	3 8.6	19.8
212927 2008 AL_{95}	15.7	X	341.56673	181.99051	23.12891	0.33547	0.0949721	0.17069636	3.2184977	20	3 5.9	19.8
212928 2008 AK_{106}	15.6	X	178.58090	118.18835	31.99633	3.49051	0.1240497	0.12661636	3.9277410	20	9 1.9	21.6
212929 Satovski	16.0	X	13.67825	310.28932	79.63827	9.00719	0.1639176	0.23038641	2.6353086	20	—	—
212930 2008 BX_{6}	15.4	X	230.53394	157.05233	150.16526	5.71401	0.1144838	0.16859902	3.2451343	20	2 24.5	20.4
212931 2008 BZ_{10}	15.7	X	343.97085	43.10656	162.85711	1.13958	0.1689666	0.17230051	3.1984901	20	3 2.8	19.2
212932 2008 CS_{204}	15.5	X	271.94066	350.79132	27.23875	9.31285	0.3278200	0.20368287	2.8608804	20	6 4.3	20.0
212933 2008 DQ_{8}	15.9	X	316.40537	196.19995	59.04192	1.99303	0.1234004	0.17580241	3.1558729	20	3 29.3	20.0
212934 2008 SN_{81}	15.8	X	256.26261	35.69896	39.35860	18.57546	0.1511412	0.23607404	2.5928092	20	9 8.5	19.6
212935 2008 UH_{96}	15.2	X	163.78806	143.86264	166.32559	10.11519	0.0776038	0.19178217	2.9780402	20	—	—
212936 2008 UX_{248}	16.4	X	302.02622	280.19295	143.77682	5.18065	0.0333909	0.22867285	2.6484573	20	11 4.3	19.8
212937 2008 UD_{291}	15.3	X	309.14706	232.59523	319.63782	5.24788	0.0504225	0.17302687	3.1895324	20	1 13.2	19.7
212938 2008 UE_{346}	16.4	X	129.81217	105.89683	150.13684	3.19185	0.0283955	0.23816860	2.5775853	20	12 2.9	19.9
212939 2008 WL_{91}	16.8	X	350.95342	167.25348	291.00843	2.14653	0.0930860	0.25250428	2.4790781	20	—	—
212940 2008 YS_{17}	16.6	X	190.34936	275.78284	239.24308	0.75758	0.0319285	0.22728750	2.6592083	20	10 4.8	20.3
212941 2008 YR_{22}	17.2	X	100.87675	189.57555	183.52451	1.07507	0.2027079	0.26248938	2.4158032	20	—	—
212942 2008 YC_{30}	17.1	X	72.15089	48.59624	106.97731	3.05331	0.1582742	0.28446496	2.2897261	20	5 25.7	19.5
212943 2008 YX_{39}	16.6	X	219.30047	107.59537	31.24646	2.85536	0.0706704	0.23130143	2.6283539	20	10 16.0	20.3
212944 2008 YE_{51}	16.3	X	266.75797	159.87453	305.09263	10.64042	0.1143216	0.23493820	2.6011593	20	10 22.9	19.8
212945 2008 YS_{65}	15.8	X	305.15085	96.13795	171.14749	14.24846	0.1388588	0.17950963	3.1122720	20	3 26.8	19.9
212946 2008 YU_{145}	16.2	X	50.86078	309.79076	142.87729	1.75609	0.1737468	0.18006748	3.1058408	20	2 4.1	19.7
212947 2009 AC_{28}	16.3	X	186.21763	24.47964	158.52458	9.68226	0.0699920	0.22121289	2.7076702	20	11 3.6	20.4
212948 2009 BZ_{8}	16.3	X	84.56224	305.30247	129.42036	6.17275	0.2325840	0.18621404	3.0371140	20	3 13.4	20.4
212949 2009 BV_{23}	16.9	X	173.57307	158.40988	339.77004	6.83394	0.0365904	0.30294782	2.1956216	20	8 31.7	19.4
212950 2009 BZ_{23}	16.4	X	176.54204	293.23183	334.02394	12.58831	0.1507734	0.24397671	2.5365132	20	—	—
212951 2009 BB_{40}	16.2	X	70.30899	209.77081	107.86864	5.80765	0.0684457	0.23404398	2.6077807	20	12 12.7	19.8
212952 2009 BP_{40}	15.7	X	36.99468	140.23681	116.90716	6.88543	0.0090013	0.21069922	2.7970105	20	7 31.1	19.3
212953 2009 BU_{44}	15.6	X	255.97929	310.58561	314.02859	3.18074	0.0143315	0.17678778	3.1441353	20	2 8.9	20.1
212954 2009 BL_{46}	16.6	X	166.17587	222.63914	162.08330	5.13768	0.0697396	0.27418324	2.3466165	20	3 14.8	19.6
212955 2009 BF_{47}	16.5	X	7.12619	220.01966	181.50204	2.35620	0.2762801	0.24525731	2.5276760	20	—	—
212956 2009 BH_{51}	17.0	X	321.98169	229.30281	354.54808	2.22586	0.1798335	0.26587082	2.3952762	20	2 4.5	19.7
212957 2009 BY_{57}	16.8	X	352.87914	256.11247	317.57980	5.63812	0.2293603	0.27086909	2.3657186	20	3 4.6	18.5
212958 2009 BW_{61}	16.1	X	236.74913	146.07047	156.38772	1.61786	0.1382464	0.18251508	3.0780113	20	2 21.8	20.8
212959 2009 BD_{65}	16.8	X	121.42419	112.30759	164.00659	3.81207	0.1169628	0.23299771	2.6155816	20	12 18.9	20.8
212960 2009 BB_{66}	16.3	X	127.79963	194.18638	311.62787	3.20311	0.0406682	0.20443076	2.8538987	20	7 6.3	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
212961 2009 BD_{66}	16.4	X	348.58485	231.61422	93.17217	0.32803	0.0700638	0.21414511	2.7669243	20	8 26.4	19.8
212962 2009 BV_{72}	17.5	X	111.56152	184.29233	358.20330	2.42981	0.0871309	0.29597133	2.2299902	20	8 16.9	20.4
212963 2009 BZ_{72}	15.7	X	226.11491	200.54391	139.69766	11.94033	0.0515407	0.18872969	3.0100652	20	4 5.6	20.2
212964 2009 BZ_{75}	17.1	X	257.65819	323.51461	145.64412	2.93601	0.1557436	0.23215104	2.6219372	20	10 15.1	20.4
212965 2009 BV_{87}	16.1	X	290.85955	268.79016	348.13100	2.87253	0.0428006	0.18516451	3.0485797	20	3 7.7	20.3
212966 2009 BF_{102}	16.4	X	237.67397	95.19588	356.37363	7.30728	0.1238113	0.21925633	2.7237544	20	8 30.3	20.2
212967 2009 BK_{102}	15.0	X	13.89481	69.65838	71.30108	20.33153	0.0839961	0.17568904	3.1572303	20	2 7.9	19.4
212968 2009 BH_{104}	17.0	X	294.25939	303.24082	294.08526	1.86131	0.1508753	0.26362300	2.4088727	20	1 21.8	20.4
212969 2009 BK_{107}	16.9	X	67.64574	224.26287	167.80193	1.29463	0.1838186	0.25685489	2.4510048	20	—	—
212970 2009 BY_{109}	17.3	X	220.61353	274.16861	160.67576	5.35009	0.1076104	0.29749728	2.2223582	20	7 24.1	20.2
212971 2009 BA_{121}	16.8	X	131.97721	310.38010	225.32227	0.85081	0.1501661	0.21193008	2.7861702	20	8 26.2	21.3
212972 2009 BQ_{123}	16.0	X	50.27189	311.63690	167.79727	5.36299	0.0920360	0.18079260	3.0975307	20	2 28.6	20.0
212973 2009 BN_{146}	17.8	X	51.54168	304.89048	212.51471	1.64724	0.1132789	0.27436270	2.3455931	20	4 15.2	20.0
212974 2009 BQ_{155}	15.8	X	346.32785	188.71896	130.05403	14.49999	0.0919709	0.21529770	2.7570404	20	8 15.5	19.0
212975 2009 BJ_{156}	17.2	X	51.70795	156.16489	327.47749	5.68759	0.0602165	0.26795450	2.3828426	20	2 20.9	19.9
212976 2009 BK_{167}	17.3	X	201.47686	290.56063	176.71398	6.08118	0.0834579	0.30065134	2.2067880	20	8 17.9	20.3
212977 Birute	16.8	X	2.28972	259.41771	0.36069	5.98069	0.1428842	0.28869760	2.2672910	20	6 23.3	18.6
212978 2009 CT_{25}	16.0	X	45.11016	177.74079	341.55557	8.91133	0.0673267	0.18748715	3.0233497	20	4 5.8	20.0
212979 2009 CN_{34}	16.8	X	203.96556	313.59738	130.15132	4.96684	0.0734460	0.20952895	2.8074155	20	7 14.9	20.9
212980 2009 CW_{37}	15.8	X	148.12715	242.28728	349.20329	8.01151	0.2314569	0.22355140	2.6887543	20	11 15.3	20.7
212981 Majalitović	17.9	X	132.78348	118.98234	7.35779	2.10533	0.1672579	0.29078155	2.2564453	20	6 29.7	21.3
212982 2009 CC_{52}	17.3	X	51.08582	275.55007	128.83162	1.97779	0.1799143	0.25581766	2.4576255	20	—	—
212983 2009 CW_{52}	17.8	X	333.58220	126.45938	138.90794	3.32048	0.1761277	0.27877185	2.3207949	20	4 26.1	19.7
212984 2009 DC	15.9	X	351.87066	185.90461	272.56774	13.20832	0.0715925	0.24448380	2.5330046	20	—	—
212985 2009 DZ_{5}	15.1	X	248.18290	165.48167	112.08044	11.18060	0.0516983	0.18077130	3.0977740	20	2 12.9	19.6
212986 2009 DG_{14}	16.8	X	304.04258	284.04056	290.75974	1.16227	0.1599105	0.25703087	2.4498859	20	1 4.4	20.0
212987 2009 DO_{16}	16.3	X	51.45451	2.73431	99.32579	2.31153	0.2359449	0.17944673	3.1129992	20	2 26.5	19.6
212988 2009 DA_{18}	16.3	X	355.61286	120.44431	165.24122	5.90740	0.0424032	0.20298049	2.8674764	20	7 11.7	20.0
212989 2009 DZ_{22}	16.8	X	106.05826	47.40040	33.95219	2.06240	0.0477527	0.27003090	2.3706116	20	3 12.4	19.5
212990 2009 DT_{24}	15.8	X	315.27005	237.74669	80.62125	3.07746	0.0764201	0.19893976	2.9061743	20	6 23.6	19.4
212991 Garcíalorca	16.9	X	170.93710	309.53355	161.22036	6.88270	0.0473156	0.29225674	2.2488459	20	7 16.6	19.9
212992 2009 DW_{56}	16.2	X	45.02734	261.33196	74.90518	3.93729	0.0640765	0.22698785	2.6615480	20	12 2.9	19.7
212993 2132 *P–L*	15.5	X	19.84683	325.14618	357.46565	13.26443	0.0806798	0.24684526	2.5168240	20	10 14.1	18.6
212994 6598 *P–L*	16.0	X	53.30265	315.58481	15.63802	7.81508	0.2387038	0.21628042	2.7486825	20	12 26.8	20.3
212995 1230 *T–2*	17.4	X	49.95043	299.38239	17.11025	2.77185	0.2295480	0.29685885	2.2255433	20	12 20.4	20.5
212996 3226 *T–2*	16.7	X	204.02977	281.67186	66.90586	3.45488	0.2104164	0.26490488	2.4010954	20	3 12.4	20.7
212997 3238 *T–2*	15.0	X	22.37804	190.55351	177.27208	20.75959	0.0831428	0.17012689	3.2256760	20	12 3.9	19.7
212998 Tolbachik	16.6	X	250.53750	126.51279	198.04626	21.01049	0.0605108	0.35967020	1.9582422	20	3 26.0	18.8
212999 4330 *T–3*	15.3	X	125.74484	226.74395	152.43866	5.47480	0.1647882	0.17077065	3.2175642	20	2 12.4	20.1
213000 1981 ET_{2}	15.7	X	51.22809	250.43849	249.20892	8.70972	0.1838558	0.17734383	3.1375597	20	4 4.4	19.6
213001 1981 EP_{3}	15.7	X	24.39987	301.83937	228.74403	9.03597	0.1628588	0.17655523	3.1468955	20	3 27.0	19.4
213002 1982 QF_{4}	16.9	X	12.97674	244.43495	48.72444	13.12030	0.2271877	0.28457346	2.2891440	20	10 2.5	19.1
213003 1992 EC_{23}	16.3	X	285.66417	37.44599	124.37513	7.89397	0.1442902	0.23696066	2.5863376	20	—	—
213004 1992 SJ_{7}	16.9	X	266.59237	206.61722	154.80292	4.24765	0.1900127	0.27628452	2.3347032	20	5 28.2	20.1
213005 1993 RC	15.2	X	267.72680	129.42523	186.95230	17.17923	0.1512056	0.17238265	3.1974739	20	4 9.7	20.0
213006 1994 SL_{5}	15.9	X	284.33783	149.98380	11.17629	13.85933	0.0984197	0.23799288	2.5788539	20	—	—
213007 1995 BP_{8}	18.1	X	122.76265	127.38094	12.45654	1.72654	0.1457091	0.28595995	2.2817387	20	7 5.6	21.3
213008 1995 DB_{3}	16.8	X	108.99486	254.16061	223.47188	19.25291	0.1187270	0.35938329	1.9592843	20	5 14.2	18.7
213009 1995 FB_{15}	16.3	X	54.59361	300.19224	45.73226	7.04914	0.0403010	0.21829128	2.7317762	20	12 21.0	20.1
213010 1995 OW_{4}	17.1	X	319.45605	175.96803	134.04519	6.09423	0.1980100	0.27230469	2.3573965	20	6 4.4	19.2
213011 1995 OT_{12}	17.0	X	98.05170	291.36633	194.77492	0.80876	0.0092185	0.26692324	2.3889760	20	4 26.1	19.9
213012 1995 SA_{12}	17.2	X	285.44600	95.98346	212.15514	0.61200	0.1947589	0.26773817	2.3841259	20	4 6.8	20.3
213013 1995 SN_{25}	15.6	X	55.48893	95.84911	9.46166	12.33400	0.0836802	0.17487902	3.1669721	20	2 23.3	19.8
213014 1995 SS_{41}	16.0	X	72.85367	289.60879	179.35257	14.06503	0.1456178	0.17729059	3.1381878	20	3 27.1	20.1
213015 1995 SE_{50}	17.0	X	301.21513	86.63532	208.31479	4.50072	0.2360840	0.26725174	2.3870179	20	4 2.4	19.8
213016 1995 SX_{51}	15.7	X	214.31816	359.28376	15.92097	8.90755	0.1929970	0.18377420	3.0639360	20	4 22.9	20.8
213017 1995 SO_{81}	17.7	X	337.64391	259.54098	27.19806	0.69256	0.2052471	0.27157835	2.3615979	20	6 5.3	19.3
213018 1995 UD_{11}	17.1	X	268.21053	80.78180	234.13763	1.69312	0.1471315	0.26507390	2.4000746	20	4 1.4	20.2
213019 1995 UE_{58}	16.6	X	10.11632	4.20650	284.59504	0.58621	0.1382115	0.19261710	2.9694282	20	8 13.5	19.9
213020 1995 UK_{82}	16.0	X	207.40393	274.57367	73.70028	9.79077	0.0620872	0.17748272	3.1359226	20	3 27.1	20.8
213021 1995 VK_{6}	17.4	X	186.47233	151.58832	217.27964	0.91219	0.1543334	0.25816605	2.4426991	20	3 20.1	21.3
213022 1995 VG_{17}	16.5	X	217.24877	280.90468	51.31811	6.74137	0.0932944	0.25721686	2.4487047	20	3 8.6	20.1
213023 1995 WK_{18}	15.3	X	344.00938	342.90571	245.63185	4.38252	0.0784687	0.17960039	3.1112234	20	4 6.9	19.4
213024 1995 WX_{21}	16.8	X	247.92416	187.59869	94.70365	5.55513	0.0904779	0.25464480	2.4651660	20	2 5.5	20.3
213025 1996 FL_{8}	16.9	X	304.23129	319.25931	170.18268	9.31194	0.0711755	0.23254012	2.6190118	20	—	—
213026 1996 HZ_{5}	16.3	X	314.41711	37.12254	51.97102	13.62206	0.1601491	0.22775408	2.6555752	20	12 21.3	19.1
213027 1996 VZ_{6}	16.6	X	329.17183	303.86280	49.02683	6.33478	0.2053318	0.28541727	2.2846300	20	9 19.7	18.0
213028 1996 VN_{9}	15.5	X	135.22530	347.63463	97.95936	9.69850	0.1333969	0.18595754	3.0399062	20	5 10.2	20.3
213029 1997 BF_{5}	17.1	X	168.43895	199.46420	193.77574	1.63586	0.1361125	0.26316412	2.4116721	20	4 1.8	20.5
213030 1997 GN_{7}	15.7	X	108.97425	178.99258	46.30154	12.74360	0.0978995	0.22717763	2.6600656	20	10 7.4	19.8
213031 1997 OB	16.3	X	157.48066	170.57021	179.53076	3.09954	0.2332698	0.23825473	2.5769640	20	2 6.2	20.5
213032 1997 TX_{3}	16.7	X	11.23154	328.05314	13.89602	8.56501	0.1240135	0.21541812	2.7560128	20	10 28.4	19.9
213033 1997 UT_{15}	16.8	X	100.53111	271.31417	31.40365	7.34527	0.2174628	0.22220399	2.6996128	20	—	—
213034 1997 WL_{5}	16.4	X	312.63396	180.75544	216.77634	4.59290	0.0581455	0.21131054	2.7916134	20	10 7.6	20.0
213035 1997 WV_{5}	15.9	X	18.58909	100.32934	214.43146	4.96943	0.0298664	0.20935994	2.8089262	20	9 21.1	19.6
213036 1997 WD_{45}	15.9	X	21.31991	143.52132	229.01941	6.14332	0.3141912	0.21797516	2.7344168	20	—	—
213037 1998 FY_{7}	15.9	X	104.50410	126.77090	355.51177	7.04276	0.1582212	0.18646359	3.0344037	20	5 20.9	20.6
213038 1998 FV_{128}	15.2	X	58.01683	181.53877	359.02084	12.64316	0.2128509	0.18493602	3.0510901	20	6 15.5	19.4
213039 1998 GV_{2}	14.8	X	108.72866	83.18607	34.68664	26.75096	0.2116951	0.18634296	3.0357131	20	5 20.9	19.8
213040 1998 HY_{1}	17.2	X	342.79871	25.19605	246.08210	3.35984	0.2180153	0.27055881	2.3675269	20	5 20.8	18.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
213041 1998 HJ_{22}	17.0	X	51.58554	171.98506	24.27357	6.23690	0.1666890	0.27357744	2.3500794	20	6 23.4	19.5
213042 1998 HJ_{96}	16.9	X	11.13538	128.06971	86.40511	4.66075	0.1645329	0.26891940	2.3771393	20	4 29.7	18.8
213043 1998 KB_{17}	15.3	X	287.37832	261.41851	30.43070	10.96153	0.0567594	0.17858251	3.1230343	20	4 14.8	19.6
213044 1998 OG_{10}	16.4	X	48.34698	4.38538	314.18621	10.34568	0.1884742	0.23186315	2.6241071	20	12 1.8	20.3
213045 1998 OL_{15}	16.3	X	41.88304	319.11863	313.82548	8.07959	0.1795562	0.27181430	2.3602310	20	9 27.9	19.3
213046 1998 QA_{85}	16.2	X	125.54774	115.88740	245.79607	4.53575	0.2608578	0.24394485	2.5367341	20	1 23.7	19.9
213047 1998 SJ_{75}	15.8	X	239.83982	50.96569	34.06523	15.36267	0.2867765	0.21693047	2.7431887	20	8 10.0	20.5
213048 1998 SE_{99}	16.3	X	21.65061	202.54865	193.87892	8.50151	0.1808739	0.23258208	2.6186968	20	—	—
213049 1998 SY_{130}	16.1	X	353.60204	220.09675	203.22827	12.99428	0.2428445	0.23046094	2.6347404	20	—	—
213050 1998 TS_{3}	17.7	X	300.98582	339.47380	198.28664	34.49271	0.1226057	0.42314508	1.7571541	20	—	—
213051 1998 UZ_{17}	16.1	X	68.54512	181.49290	223.29363	12.30152	0.2414883	0.23839579	2.5759474	20	—	—
213052 1998 VV	15.2	X	15.59780	353.43775	41.46223	33.43439	0.1462918	0.23091016	2.6313222	20	—	—
213053 1998 WT_{30}	19.7	X	228.54886	126.60946	36.01891	0.51165	0.3373883	0.40395454	1.8123736	20	11 27.1	20.1
213054 1999 AW_{15}	16.0	X	191.10078	22.32211	117.73637	4.55201	0.0439494	0.21156618	2.7893642	20	9 15.4	20.0
213055 1999 AL_{30}	15.8	X	345.93193	245.22465	125.58152	6.45062	0.0289042	0.21524906	2.7574556	20	10 24.9	19.5
213056 1999 JA_{14}	16.3	X	26.10819	213.91063	81.23133	8.04599	0.1707054	0.29084453	2.2561196	20	10 17.2	18.8
213057 1999 NM_{54}	14.3	X	241.90035	140.75751	224.02196	15.92852	0.2308770	0.17763369	3.1341455	20	5 3.1	19.3
213058 1999 RJ_{7}	15.4	X	358.64017	110.46123	10.62522	8.65091	0.0887860	0.15637713	3.4120906	20	—	—
213059 1999 RG_{42}	15.3	X	270.98239	246.13149	83.59761	5.39086	0.1873046	0.17466413	3.1695692	20	4 25.7	20.0
213060 1999 RU_{50}	16.6	X	260.43348	285.57441	69.01462	3.21798	0.2261168	0.27420184	2.3465103	20	5 6.7	20.0
213061 1999 RB_{64}	15.1	X	312.93910	138.57313	149.78262	13.75898	0.1977825	0.18018732	3.1044636	20	4 28.4	19.2
213062 1999 RY_{82}	17.0	X	320.24813	136.46720	174.81527	6.45783	0.1760595	0.27637971	2.3341671	20	6 11.5	19.1
213063 1999 RH_{94}	16.8	X	267.11567	262.66737	103.69571	2.93336	0.2173879	0.27395300	2.3479310	20	5 31.2	19.8
213064 1999 RX_{121}	16.9	X	9.43226	141.27278	187.18998	6.76824	0.2594384	0.28615872	2.2806819	20	11 19.6	19.1
213065 1999 RT_{127}	16.8	X	262.28246	143.22246	195.66144	3.71706	0.2283120	0.27273830	2.3548972	20	4 17.4	20.3
213066 1999 RX_{133}	16.6	X	284.33430	142.92580	199.12882	7.45043	0.1696371	0.27553002	2.3389635	20	5 27.8	19.5
213067 1999 ST_{15}	14.8	X	272.37000	72.55178	216.48732	17.67573	0.1993953	0.17217076	3.2000968	20	3 1.2	20.1
213068 1999 SU_{23}	17.9	X	337.93956	274.02085	10.56818	2.35886	0.2309578	0.27646408	2.3336922	20	5 29.3	19.4
213069 1999 TX_{17}	16.4	X	250.03240	176.69810	183.18896	10.32375	0.2353919	0.27026459	2.3692449	20	5 3.7	20.1
213070 1999 TU_{50}	17.4	X	340.87183	101.89240	191.59201	2.60392	0.1606474	0.27667937	2.3324815	20	6 29.7	19.3
213071 1999 TW_{51}	16.9	X	254.96685	336.83422	344.62891	3.47472	0.2167894	0.26720202	2.3873141	20	3 19.6	20.7
213072 1999 TJ_{79}	17.5	X	199.07623	259.99532	26.79666	5.84950	0.1522687	0.30358508	2.1925480	20	—	—
213073 1999 TE_{90}	15.6	X	236.46766	217.46616	186.12677	17.07776	0.2153488	0.17675901	3.1444764	20	6 15.6	21.0
213074 1999 TH_{90}	16.9	X	155.12620	208.64466	146.78133	1.70550	0.1896136	0.25796343	2.4439779	20	2 5.7	20.6
213075 1999 TK_{90}	16.2	X	186.16113	190.05496	173.41477	7.35018	0.2019597	0.26300383	2.4126519	20	3 14.2	20.0
213076 1999 TY_{115}	16.6	X	139.78161	190.16728	213.53858	5.60499	0.1923885	0.26019540	2.4299815	20	3 20.7	20.4
213077 1999 TY_{116}	16.7	X	320.14273	138.87519	191.13122	5.86052	0.2181620	0.27736322	2.3286460	20	7 4.9	18.5
213078 1999 TG_{131}	16.5	X	22.30979	254.12132	4.15170	23.53879	0.2546414	0.27858319	2.3218426	20	9 3.0	18.9
213079 1999 TL_{132}	17.1	X	139.08459	40.30172	355.71240	1.00020	0.1938074	0.25954016	2.4340697	20	3 12.0	20.5
213080 1999 TQ_{133}	17.0	X	300.46622	77.70919	233.97493	1.72870	0.1996141	0.27269578	2.3551420	20	5 1.4	19.4
213081 1999 TP_{137}	16.4	X	140.70117	229.76485	198.36423	12.21233	0.1677192	0.26283849	2.4136636	20	4 22.0	19.9
213082 1999 TG_{138}	17.1	X	249.88846	57.18936	287.54068	0.98125	0.2266382	0.26896906	2.3768466	20	4 12.4	20.7
213083 1999 TV_{159}	17.2	X	313.74245	107.40363	226.62424	4.70727	0.2013269	0.27758597	2.3274001	20	6 29.9	19.3
213084 1999 TN_{169}	17.2	X	337.69332	89.08637	214.27300	5.54573	0.2882914	0.27733620	2.3287972	20	6 26.9	18.2
213085 1999 TL_{218}	16.8	X	155.42668	121.79317	249.97241	1.59640	0.2086431	0.25790066	2.4443745	20	2 26.9	20.7
213086 1999 TF_{230}	16.4	X	338.24864	198.92106	123.00289	6.57591	0.1707302	0.27832821	2.3232604	20	8 13.7	17.9
213087 1999 TS_{230}	16.6	X	311.59670	313.67114	24.91202	12.10645	0.2239266	0.27771786	2.3266632	20	6 29.9	18.9
213088 1999 TJ_{247}	16.5	X	350.91315	316.78217	100.03463	4.75090	0.2146125	0.23975368	2.5662120	20	—	—
213089 1999 TS_{251}	16.9	X	117.32058	352.91098	57.31146	1.25829	0.2025059	0.25668252	2.4521019	20	3 9.1	20.3
213090 1999 TY_{282}	15.4	X	334.86359	265.33871	25.94691	17.29075	0.3607406	0.18160426	3.0882944	20	5 8.2	18.3
213091 1999 TH_{297}	16.3	X	21.75094	196.69766	191.33581	13.02305	0.1074541	0.24289203	2.5440592	20	—	—
213092 1999 UC_{19}	16.9	X	296.81044	177.13213	36.43456	5.09852	0.1445220	0.25508110	2.4623542	20	—	—
213093 1999 UM_{47}	16.3	X	171.43115	49.90211	41.71384	13.47757	0.1665117	0.21895393	2.7262618	20	6 18.4	21.0
213094 1999 VD_{17}	17.2	X	305.74902	318.59094	5.53825	3.09323	0.2476569	0.27416388	2.3467269	20	5 19.4	19.7
213095 1999 VV_{43}	14.5	X	277.25215	286.54398	29.15796	13.64869	0.2951732	0.17558945	3.1584240	20	4 3.1	19.4
213096 1999 VA_{88}	16.2	X	247.82030	93.61627	237.50886	3.93206	0.1644439	0.26452423	2.4033982	20	3 28.6	19.9
213097 1999 VR_{100}	16.6	X	304.34001	274.84040	60.78796	3.64735	0.1801498	0.27287787	2.3540942	20	6 17.3	18.9
213098 1999 VJ_{120}	16.6	X	189.80410	307.79473	54.58961	3.45883	0.2083951	0.26295396	2.4129570	20	3 17.6	20.6
213099 1999 VZ_{179}	17.0	X	213.45076	304.05703	64.17978	22.80357	0.0911385	0.35979398	1.9577931	20	4 22.2	19.8
213100 1999 VW_{183}	17.3	X	9.63901	13.38317	63.86646	4.31383	0.1950920	0.24362945	2.5389230	20	—	—
213101 1999 VU_{195}	16.3	X	124.82276	312.10803	89.11253	6.96676	0.1347866	0.25639464	2.4539371	20	2 28.8	19.7
213102 1999 WW_{10}	17.4	X	279.19861	155.85314	218.95457	20.24062	0.0915233	0.37073665	1.9190769	20	7 21.1	19.7
213103 1999 XK_{3}	16.5	X	9.00277	331.88594	97.03259	6.22494	0.2199607	0.24253737	2.5465386	20	—	—
213104 1999 XF_{26}	16.5	X	229.70291	317.88949	38.66445	10.38843	0.2823945	0.26749848	2.3855499	20	4 9.4	20.7
213105 1999 XO_{51}	16.6	X	195.93552	290.12867	53.86289	2.79262	0.1840990	0.25842831	2.4410461	20	2 29.0	20.6
213106 1999 XS_{78}	16.6	X	0.00480	357.23485	72.66272	5.66660	0.2120083	0.24048414	2.5610128	20	—	—
213107 1999 XU_{125}	16.0	X	321.33655	173.50871	294.99802	4.15190	0.2657512	0.23881739	2.5729149	20	—	—
213108 1999 XY_{144}	14.8	X	77.76968	157.61125	231.16531	8.85459	0.0865706	0.15224627	3.4735345	20	—	—
213109 1999 XX_{178}	15.3	X	291.00508	92.78624	77.99666	12.99731	0.1846835	0.23741222	2.5830571	20	—	—
213110 1999 YF_{27}	16.5	X	313.14398	153.08068	107.22385	5.17936	0.2003045	0.26073916	2.4266019	20	3 12.1	19.3
213111 2000 AS_{3}	15.4	X	30.41584	358.69306	87.03254	15.61332	0.1335964	0.24350671	2.5397760	20	—	—
213112 2000 AM_{12}	15.9	X	67.10354	40.00674	0.75834	3.05546	0.2229315	0.24652261	2.5190196	20	—	—
213113 2000 AX_{56}	16.9	X	322.98776	344.18828	114.77455	5.87173	0.2500414	0.23550744	2.5969662	20	—	—
213114 2000 AH_{58}	16.2	X	347.14134	330.48261	104.35642	5.02231	0.2602513	0.23660707	2.5889137	20	—	—
213115 2000 AL_{87}	16.0	X	256.05445	235.14609	294.63810	4.04742	0.1886136	0.23268205	2.6179467	20	12 26.1	19.1
213116 2000 AF_{131}	15.9	X	294.71420	47.85745	121.47080	7.67433	0.1217478	0.23771197	2.5808852	20	—	—
213117 2000 AU_{148}	17.1	X	304.00309	357.19762	125.93042	6.93904	0.1726656	0.23571131	2.5954686	20	—	—
213118 2000 AL_{183}	14.0	X	308.03830	109.33722	264.68906	24.70278	0.2076183	0.17679217	3.1440832	20	7 28.6	18.2
213119 2000 AT_{220}	12.8	X	255.93623	146.30065	308.45846	6.78752	0.0343101	0.07979359	5.3434783	20	9 15.7	19.9
213120 2000 BU_{37}	15.2	X	332.23970	336.23929	327.55888	11.44995	0.0186890	0.20995130	2.8036492	20	7 6.2	19.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
213121 2000 CT_9	16.4	X	3.28633	309.14581	163.44797	3.73279	0.1851320	0.24182311	2.5515506	20	—	—
213122 2000 CO_{11}	16.7	X	321.33354	211.73727	247.12421	3.57959	0.2487772	0.23507663	2.6001381	20	—	—
213123 2000 CC_{60}	15.9	X	260.24701	314.49688	154.44131	14.75223	0.1209047	0.22603722	2.6690052	20	10 26.1	19.5
213124 2000 CD_{74}	16.5	X	9.12065	305.84936	133.28616	5.36849	0.0758012	0.23683537	2.5872497	20	—	—
213125 2000 CW_{79}	16.5	X	289.45967	303.21307	159.18279	4.41832	0.1933688	0.22844854	2.6501907	20	11 20.4	19.1
213126 2000 CB_{115}	16.1	X	223.71069	51.35473	106.86052	8.57803	0.2597003	0.22426050	2.6830835	20	10 25.4	20.4
213127 2000 DP_3	16.2	X	223.78069	215.89147	356.84287	4.24770	0.2348439	0.23239560	2.6200974	20	12 31.9	19.9
213128 2000 DX_{24}	15.9	X	147.95074	15.81275	151.01762	14.37488	0.0748826	0.21662996	2.7457250	20	8 29.6	19.8
213129 2000 DY_{43}	16.0	X	107.61853	136.21390	156.72255	12.28655	0.0430682	0.22707450	2.6608709	20	12 21.2	20.0
213130 2000 DE_{44}	16.1	X	253.99963	22.34433	158.54401	12.16370	0.1184812	0.23140083	2.6276011	20	—	—
213131 2000 DV_{92}	16.6	X	256.12489	129.45997	336.16347	1.31583	0.1502097	0.22386025	2.6862807	20	10 5.9	20.2
213132 2000 ER_{24}	16.1	X	321.74903	95.44466	359.15845	9.67074	0.3139735	0.23172776	2.6251292	20	—	—
213133 2000 ES_{66}	16.2	X	199.68071	36.00492	172.37569	13.87382	0.1920218	0.22482931	2.6785562	20	12 6.7	20.7
213134 2000 EE_{108}	15.8	X	200.14300	50.00353	153.09542	9.48030	0.3230993	0.22382817	2.6865374	20	11 20.9	20.6
213135 2000 EV_{151}	15.8	X	244.46596	13.57760	187.32302	19.57157	0.1837080	0.23237634	2.6202423	20	—	—
213136 2000 EV_{199}	15.8	X	242.27865	253.52543	268.43955	10.37152	0.1375887	0.22839457	2.6506082	20	12 2.8	19.3
213137 2000 FQ_{33}	15.6	X	266.42918	97.92519	52.69879	13.38903	0.1329067	0.22842948	2.6503381	20	12 22.6	18.9
213138 2000 FY_{62}	15.9	X	111.19075	57.85419	210.55826	7.65226	0.2989108	0.21734162	2.7397280	20	12 4.8	20.9
213139 2000 GH_{23}	16.4	X	217.13903	115.28968	21.97494	9.34111	0.1164762	0.21887861	2.7268872	20	10 4.8	20.4
213140 2000 GG_{40}	15.9	X	135.63019	228.80954	21.57407	9.45853	0.1894751	0.21925282	2.7237835	20	11 27.5	20.5
213141 2000 GF_{156}	15.8	X	154.19770	23.19065	221.68976	5.01050	0.0764214	0.22229395	2.6988844	20	12 12.0	19.8
213142 2000 HM_2	16.5	X	313.15802	250.62731	142.19367	3.25226	0.0975397	0.21461257	2.7629050	20	10 2.3	19.6
213143 2000 HX_5	16.4	X	10.50000	223.84369	116.61838	2.68336	0.0819899	0.21417307	2.7666835	20	10 23.0	19.8
213144 2000 HT_{30}	15.6	X	204.45708	291.11003	228.60973	14.10024	0.0976809	0.21704068	2.7422600	20	10 17.7	19.8
213145 2000 HW_{41}	16.2	X	182.77009	32.02079	154.34269	10.72727	0.2579858	0.21768872	2.7368150	20	10 23.8	21.1
213146 2000 HD_{44}	15.8	X	174.85991	162.35578	41.49805	10.32134	0.1308472	0.22075814	2.7113874	20	11 9.7	19.9
213147 2000 JT_{11}	15.5	X	120.20599	7.17063	249.32922	13.63784	0.1190218	0.21698664	2.7427153	20	11 20.8	19.7
213148 2000 JB_{67}	15.9	X	65.51787	286.52510	33.62422	11.62403	0.0481091	0.21979556	2.7192978	20	12 1.9	19.8
213149 2000 JW_{69}	15.7	X	157.02172	90.09852	133.06874	14.56833	0.1691067	0.21672931	2.7448858	20	11 19.5	20.5
213150 2000 KN_{54}	15.6	X	130.27362	131.92929	109.17341	17.72208	0.2198362	0.21496484	2.7598857	20	11 19.8	20.6
213151 2000 KL_{61}	16.4	X	114.90508	54.39418	208.67947	9.91390	0.2008037	0.21488185	2.7605963	20	11 27.8	21.1
213152 2000 NO_{14}	17.6	X	113.88986	189.35975	127.87162	2.00487	0.2463990	0.31393453	2.1440916	20	—	—
213153 2000 ON_{68}	14.9	X	290.44593	100.03438	120.85627	13.82609	0.1909242	0.17867717	3.1219313	20	1 5.6	19.6
213154 2000 PD_{28}	16.6	X	273.49442	336.29561	84.97672	8.16876	0.2445656	0.29443666	2.2377323	20	8 30.3	18.9
213155 2000 QN_{10}	16.9	X	26.86353	232.90391	127.85786	1.69288	0.1805973	0.30674233	2.1774770	20	—	—
213156 2000 QJ_{25}	17.4	X	112.50562	47.95970	346.14570	18.82877	0.1021585	0.36960126	1.9230050	20	1 9.4	19.5
213157 2000 QY_{42}	15.6	X	234.34085	178.10865	163.85054	6.93890	0.1899203	0.18368333	3.0649464	20	4 3.9	20.5
213158 2000 QE_{55}	17.1	X	156.77474	295.44721	357.46960	5.90384	0.2746485	0.31764720	2.1273520	20	—	—
213159 2000 QB_{100}	17.3	X	64.20849	225.04684	110.22058	3.95193	0.2260775	0.30715990	2.1755031	20	—	—
213160 2000 QY_{115}	16.9	X	50.57117	334.59505	8.41464	5.05805	0.1986906	0.30732322	2.1747323	20	—	—
213161 2000 RR_{24}	17.4	X	40.47153	116.12369	212.41162	5.34022	0.1746589	0.30355744	2.1926810	20	12 20.9	20.2
213162 2000 RF_{44}	15.7	X	24.18665	128.45266	204.93288	20.71439	0.3677578	0.20078106	2.8883792	20	12 10.8	19.8
213163 2000 RP_{86}	15.8	X	256.94855	135.46280	206.32481	6.39175	0.2092794	0.18432370	3.0578435	20	4 21.3	20.4
213164 2000 RC_{92}	16.6	X	38.66061	136.28194	201.12887	7.50780	0.1780293	0.30277818	2.1964416	20	12 30.1	19.6
213165 2000 RP_{92}	16.7	X	99.23929	201.32008	104.17009	3.53492	0.1710509	0.30798751	2.1716041	20	—	—
213166 2000 SM	15.9	X	184.63063	65.19264	278.08388	0.44032	0.1910445	0.17439328	3.1728501	20	2 24.1	21.2
213167 2000 SR_{21}	17.8	X	282.29128	269.10722	184.11389	22.14983	0.1063924	0.40053394	1.8226775	20	—	—
213168 2000 SU_{37}	17.0	X	136.63472	212.92121	86.86645	4.16036	0.2030851	0.31303833	2.1481818	20	—	—
213169 2000 SS_{53}	15.4	X	189.67194	349.76813	34.04810	9.91168	0.0801897	0.17978885	3.1090489	20	4 15.6	20.1
213170 2000 SD_{62}	17.2	X	16.97287	285.89499	13.14441	4.89640	0.1733534	0.29610916	2.2292982	20	10 4.9	19.2
213171 2000 SE_{63}	16.7	X	226.52915	357.14752	43.29458	3.31812	0.2416371	0.28474211	2.2882401	20	5 31.7	20.2
213172 2000 SH_{75}	15.0	X	239.33353	306.43308	44.24806	10.72946	0.1033630	0.18061737	3.0995337	20	4 25.7	19.6
213173 2000 ST_{102}	16.7	X	301.87944	194.56577	204.28987	3.65959	0.1607685	0.29550130	2.2323543	20	10 1.6	18.2
213174 2000 SF_{104}	16.7	X	334.52347	169.07895	195.53397	5.05144	0.1861248	0.29654204	2.2271281	20	10 24.8	18.0
213175 2000 SX_{107}	17.3	X	47.66766	354.55680	321.07004	0.50644	0.2112993	0.30205699	2.1999364	20	12 16.1	20.4
213176 2000 SK_{120}	15.6	X	247.04817	325.43160	33.41596	12.49237	0.1974349	0.18251402	3.0780233	20	5 2.4	20.4
213177 2000 SW_{125}	16.5	X	101.62514	48.21459	35.22389	24.17527	0.3208904	0.26918689	2.3755642	20	4 19.9	20.0
213178 2000 SF_{145}	16.9	X	293.58810	175.33849	220.22714	3.57155	0.1590259	0.29334993	2.2432554	20	9 6.1	18.9
213179 2000 SR_{162}	17.0	X	319.64780	226.76049	135.84937	8.56444	0.1591455	0.29476187	2.2360861	20	9 14.6	18.6
213180 2000 SD_{173}	12.5	X	289.56183	49.96018	238.41076	25.55837	0.1564358	0.08371499	5.1752806	20	3 30.7	19.6
213181 2000 SN_{191}	16.1	X	322.14001	232.15283	95.15625	2.91251	0.2332457	0.19208475	2.9749120	20	6 27.6	19.2
213182 2000 SO_{198}	15.3	X	186.99556	234.64428	185.46543	8.78117	0.1335122	0.18215366	3.0820814	20	5 27.1	20.3
213183 2000 ST_{217}	16.5	X	316.51438	228.64624	140.66379	7.19174	0.1626457	0.29349169	2.2425330	20	9 17.7	18.1
213184 2000 SQ_{222}	16.6	X	168.98971	236.99526	140.88142	8.44117	0.2752064	0.27320891	2.3521922	20	3 22.3	20.7
213185 2000 SS_{230}	16.7	X	325.61652	347.13116	22.32438	5.62992	0.2151943	0.29470996	2.2363486	20	10 10.0	17.5
213186 2000 SN_{239}	17.1	X	159.57082	283.47060	172.45525	2.21331	0.1530334	0.28110378	2.3079422	20	6 14.8	20.6
213187 2000 SS_{245}	16.5	X	205.72964	198.22413	161.54898	10.32541	0.0903117	0.27906651	2.3191610	20	3 28.5	19.8
213188 2000 SM_{248}	15.2	X	207.50618	344.16094	23.51601	10.43934	0.1168259	0.17990595	3.1076996	20	4 12.5	19.9
213189 2000 SH_{264}	15.4	X	201.47085	296.63039	71.45645	2.28540	0.2128971	0.17869820	3.1216864	20	4 6.3	20.7
213190 2000 ST_{277}	16.4	X	40.24857	94.04526	228.54096	3.83775	0.1578106	0.29970699	2.2114212	20	12 9.8	19.1
213191 2000 SG_{280}	14.5	X	128.66498	344.84146	65.82396	24.29378	0.1586506	0.17159152	3.2072945	20	4 5.3	19.9
213192 2000 SO_{281}	15.9	X	291.07777	146.93860	202.68517	7.01209	0.1491469	0.18997158	2.9969325	20	6 18.7	20.0
213193 2000 SB_{322}	17.1	X	12.99955	120.13696	181.10144	11.28524	0.1645506	0.24626056	2.5208063	20	9 17.9	19.8
213194 2000 SD_{328}	15.1	X	227.38723	155.06277	240.31356	8.31675	0.0959048	0.18258100	3.0772704	20	6 7.1	19.8
213195 2000 SP_{328}	17.0	X	329.54857	293.39814	63.48053	4.80287	0.1319618	0.29407751	2.2395538	20	9 28.1	18.7
213196 2000 SU_{343}	15.6	X	222.21665	148.36427	209.39807	8.80407	0.1233068	0.18150367	3.0894353	20	4 14.1	20.4
213197 2000 SW_{345}	17.2	X	40.33757	103.35073	197.68642	6.79821	0.3036936	0.20213160	2.8754992	20	11 12.9	21.2
213198 2000 SJ_{353}	15.4	X	199.25956	178.15648	187.26044	10.54656	0.2453112	0.17631843	3.1497125	20	3 31.6	21.0
213199 2000 SB_{358}	14.6	X	202.73472	315.22761	73.92367	24.58350	0.1854222	0.17948572	3.1125484	20	5 8.8	20.0
213200 2000 SV_{364}	15.0	X	100.00505	223.00848	171.83099	13.62906	0.0759091	0.16876048	3.2430642	20	1 20.7	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
213201 2000 SA_{367}	16.5	X	127.64361	216.95372	65.64538	6.71933	0.1615331	0.30817258	2.1707346	20	—	—
213202 2000 TC_{4}	17.5	X	107.77269	41.16060	20.23240	2.40223	0.1951011	0.27129382	2.3632488	20	3 10.0	20.5
213203 2000 TT_{5}	17.3	X	236.95603	262.12373	176.17304	5.94800	0.0627068	0.29227994	2.2487269	20	8 25.9	20.0
213204 2000 TR_{13}	15.4	X	180.19437	194.83102	205.88980	9.42973	0.0826759	0.17787431	3.1313185	20	4 26.1	20.1
213205 2000 TZ_{22}	17.4	X	300.72523	216.96942	190.58702	3.20932	0.0960130	0.29678825	2.2258962	20	10 20.5	19.2
213206 2000 TB_{35}	15.9	X	276.39252	145.45405	195.43557	10.18008	0.1377596	0.18479863	3.0526022	20	5 21.8	20.3
213207 2000 TN_{40}	16.8	X	183.35585	310.99302	113.18785	6.38082	0.1841864	0.28249756	2.3003447	20	5 28.1	20.5
213208 2000 UM_{21}	16.5	X	270.66987	329.32276	54.75144	7.57584	0.1364556	0.28805213	2.2706768	20	7 15.4	19.2
213209 2000 UH_{28}	15.3	X	199.98529	167.54619	219.44506	8.56493	0.0934642	0.17929370	3.1147703	20	4 28.9	20.2
213210 2000 UK_{49}	15.2	X	263.06375	290.41685	70.00203	6.12560	0.3091104	0.18383577	3.0632519	20	5 9.9	20.2
213211 2000 UU_{57}	15.4	X	233.62389	146.31855	227.74216	7.11386	0.1918095	0.18218718	3.0817035	20	5 9.9	20.5
213212 2000 UA_{69}	16.2	X	121.97695	186.13905	259.65042	5.42780	0.2062549	0.27298910	2.3534547	20	4 26.8	19.7
213213 2000 UL_{75}	17.1	X	284.87680	271.65468	94.93070	4.81072	0.2371439	0.28813326	2.2702505	20	6 21.6	19.3
213214 2000 UU_{83}	16.6	X	162.22317	358.01102	96.40720	5.75253	0.0907236	0.28037438	2.3119432	20	6 13.7	19.7
213215 2000 UX_{85}	16.9	X	339.67674	282.49451	77.87314	3.95315	0.1390545	0.29506023	2.2345784	20	10 25.3	18.7
213216 2000 UJ_{92}	16.6	X	324.46297	135.06525	258.97525	6.43254	0.1564197	0.29651634	2.2272568	20	11 15.7	18.3
213217 2000 VT_{1}	16.6	X	98.21156	88.13485	213.44998	4.76529	0.2147057	0.30497256	2.1858929	20	—	—
213218 2000 VJ_{18}	16.9	X	212.12184	334.44059	91.41977	5.84168	0.2064020	0.28247892	2.3004459	20	6 23.8	20.4
213219 2000 VP_{21}	17.0	X	222.68587	218.71991	203.33840	1.61273	0.1311223	0.28436409	2.2902675	20	7 5.8	20.2
213220 2000 VB_{25}	14.5	X	220.01745	299.06716	56.17226	25.44349	0.1344293	0.17532103	3.1616470	20	4 18.8	19.8
213221 2000 VQ_{26}	16.9	X	200.48624	13.16843	30.40437	2.71810	0.2187182	0.27939790	2.3173268	20	5 14.3	20.6
213222 2000 VP_{42}	15.2	X	275.15741	117.35108	234.87060	6.59494	0.2153283	0.18481565	3.0524148	20	5 22.6	19.5
213223 2000 WR_{11}	17.1	X	86.25946	224.41798	73.44542	3.44411	0.0816165	0.30345767	2.1931616	20	12 22.7	19.9
213224 2000 WU_{16}	16.8	X	149.81920	353.36723	79.64710	1.88120	0.1335640	0.27434518	2.3456929	20	5 4.4	20.1
213225 2000 WD_{22}	15.6	X	205.51434	303.09671	79.63733	11.26827	0.2477144	0.17777794	3.1324499	20	4 28.4	21.2
213226 2000 WQ_{24}	15.2	X	303.43915	257.76130	93.60869	11.65133	0.2664515	0.18765888	3.0215049	20	6 21.0	18.6
213227 2000 WD_{43}	16.7	X	143.09250	335.95781	96.19739	4.81924	0.1445282	0.27367159	2.3495403	20	4 28.4	20.2
213228 2000 WM_{44}	14.7	X	264.59433	92.06384	227.26836	16.13676	0.1311518	0.17771145	3.1332312	20	4 8.4	19.5
213229 2000 WU_{76}	14.9	X	225.14780	308.41983	47.04339	13.90158	0.1369146	0.17619971	3.1511272	20	4 16.9	19.9
213230 2000 WP_{85}	16.3	X	227.09162	351.83644	55.99489	6.15149	0.1739184	0.28206204	2.3027120	20	6 16.7	19.7
213231 2000 WM_{94}	16.7	X	200.76581	354.24434	67.65136	6.96138	0.0990866	0.27945509	2.3170106	20	6 12.6	19.8
213232 2000 WQ_{100}	16.9	X	251.49441	119.50575	269.12867	2.25243	0.0953357	0.28279840	2.2987130	20	6 29.6	19.9
213233 2000 WL_{112}	16.8	X	84.90017	66.52293	26.04878	6.90738	0.1552465	0.26706798	2.3881128	20	3 16.8	19.4
213234 2000 WD_{139}	14.7	X	284.69655	266.73055	61.24766	11.73365	0.1586968	0.18094848	3.0957515	20	5 12.4	18.9
213235 2000 WH_{177}	17.0	X	194.66136	215.33684	225.26014	3.54400	0.1069545	0.28276012	2.2989205	20	7 1.1	20.2
213236 2000 XT_{11}	15.3	X	315.34034	116.01811	20.51748	11.69782	0.1456057	0.25352540	2.4724170	20	—	—
213237 2000 XZ_{19}	14.5	X	234.71739	290.70482	50.24591	26.20502	0.2143307	0.17575384	3.1564542	20	4 11.5	20.0
213238 2000 YU_{9}	16.8	X	109.88385	49.58693	26.02941	5.78436	0.1916727	0.26741913	2.3860217	20	3 31.8	20.0
213239 2000 YU_{82}	17.1	X	178.96824	268.17247	163.29870	2.89212	0.1442208	0.27742712	2.3282884	20	6 1.8	20.5
213240 2000 YJ_{88}	16.6	X	147.72142	329.73671	113.06484	6.81423	0.1413007	0.27259965	2.3556957	20	5 17.4	20.1
213241 2001 AL	16.6	X	330.53631	290.37653	316.68778	8.06417	0.1789789	0.26494643	2.4008443	20	3 17.8	19.2
213242 2001 BY_{14}	16.3	X	270.53070	335.32681	137.02854	6.59761	0.2702090	0.24035263	2.5619470	20	10 23.5	19.2
213243 2001 BR_{17}	17.1	X	45.43131	40.68959	89.68778	3.12895	0.1633301	0.26230836	2.4169146	20	3 2.5	19.1
213244 2001 BN_{20}	16.4	X	358.18030	100.27324	75.88391	5.22721	0.0954633	0.26020701	2.4299092	20	2 10.4	19.1
213245 2001 BD_{29}	16.5	X	48.21911	324.09235	132.67680	9.53841	0.2375458	0.25846890	2.4407906	20	1 21.2	18.2
213246 2001 BP_{50}	17.8	X	72.15872	7.10920	112.54947	2.06947	0.1379563	0.26410184	2.4059601	20	3 31.6	20.5
213247 2001 BJ_{53}	16.5	X	195.25184	314.49814	103.86927	6.53495	0.0848379	0.27269630	2.3551390	20	6 2.9	19.7
213248 2001 CK_{10}	16.6	X	345.43641	221.51407	331.42568	6.03392	0.1482375	0.25954104	2.4340642	20	2 4.9	19.0
213249 2001 CH_{23}	16.6	X	101.52851	1.95158	131.19782	4.61746	0.0544810	0.26950196	2.3737124	20	5 19.6	19.6
213250 2001 CX_{35}	15.6	X	314.60026	354.79829	22.09632	16.24857	0.3022236	0.23813546	2.5778245	20	9 2.4	17.7
213251 2001 CS_{41}	16.8	X	148.20767	318.92511	85.92555	2.45889	0.1832859	0.26805081	2.3822718	20	3 31.9	20.5
213252 2001 DO_{1}	16.4	X	299.88928	160.01192	143.79943	6.89579	0.1343913	0.26854502	2.3793481	20	5 3.6	19.2
213253 2001 DP_{32}	17.1	X	173.54462	105.15849	20.98345	3.38060	0.1164341	0.27724468	2.3293097	20	8 10.2	20.4
213254 2001 DV_{100}	16.7	X	83.67114	37.44284	54.27718	4.21214	0.2099288	0.26250503	2.4157072	20	3 23.1	19.4
213255 Kimiyayui	17.4	X	219.73867	43.26752	22.25968	21.78030	0.0817958	0.37586080	1.9015950	20	7 28.7	20.1
213256 2001 EK_{16}	15.1	X	24.90249	122.49718	10.94647	15.07341	0.0889062	0.20463179	2.8520293	20	2 11.1	18.8
213257 2001 EA_{23}	16.7	X	340.30329	23.61100	178.76862	2.55403	0.1397239	0.25685604	2.4509975	20	2 9.8	19.5
213258 2001 FT_{32}	17.1	X	241.06908	259.94910	175.75611	23.45732	0.0609355	0.38061779	1.8857176	20	9 11.0	18.6
213259 2001 FK_{43}	16.6	X	302.19362	342.04830	179.37868	12.25225	0.1516932	0.24588146	2.5233967	20	—	—
213260 2001 FZ_{51}	16.0	X	198.47594	184.76011	317.66346	4.77863	0.1372449	0.22903084	2.6456968	20	9 17.8	20.2
213261 2001 FL_{115}	16.1	X	233.22968	330.87512	147.08185	8.17716	0.1515681	0.23223746	2.6212868	20	9 27.1	19.9
213262 2001 FB_{148}	16.3	X	298.79163	283.22035	323.15593	6.91826	0.1393981	0.25577290	2.4579122	20	2 10.9	19.7
213263 2001 FD_{166}	15.4	X	337.47282	297.98957	11.06544	11.88387	0.0746196	0.21835991	2.7312038	20	7 21.2	18.9
213264 2001 FG_{196}	16.4	X	290.51903	160.12373	80.57682	6.57322	0.1013514	0.25334987	2.4735589	20	1 31.5	19.8
213265 2001 GA_{6}	17.3	X	126.87875	313.21181	200.09212	21.52805	0.0972974	0.37268766	1.9123735	20	7 25.0	20.2
213266 2001 KE_{32}	17.0	X	265.60957	215.09851	93.26329	24.40428	0.0557944	0.35797152	1.9644323	20	4 11.3	20.0
213267 2001 LB_{9}	15.6	X	268.69802	8.88963	228.13750	14.52252	0.1256533	0.24439005	2.5336524	20	—	—
213268 2001 LZ_{12}	15.6	X	166.68419	36.07873	264.79238	10.08766	0.2647005	0.23261110	2.6184790	20	—	—
213269 Angelbarbero	15.9	X	46.44673	178.29190	187.43270	13.96066	0.1015232	0.22329552	2.6908080	20	—	—
213270 2001 NM	15.8	X	254.37750	327.88287	268.51408	12.50495	0.1488854	0.24362697	2.5389402	20	—	—
213271 2001 NT_{5}	15.7	X	97.02322	177.98287	98.13157	13.59258	0.2021903	0.22095541	2.7097733	20	11 30.6	20.2
213272 2001 NO_{12}	16.4	X	167.57909	336.21804	285.37210	4.27127	0.2453976	0.22999330	2.6383106	20	—	—
213273 2001 NB_{18}	16.2	X	151.39124	106.95006	194.07926	28.20534	0.3398204	0.23163055	2.6258635	20	—	—
213274 2001 OZ_{34}	16.0	X	40.46084	239.64381	73.77941	6.61024	0.0469619	0.21523334	2.7575899	20	10 26.0	19.7
213275 2001 OK_{40}	16.6	X	50.65429	266.11922	80.83260	9.79340	0.2627294	0.21818610	2.7326541	20	—	—
213276 2001 OD_{45}	15.6	X	111.05554	175.83165	159.58229	12.30109	0.1907875	0.22737864	2.6584976	20	—	—
213277 2001 OJ_{77}	16.9	X	12.08106	100.93468	157.27111	25.35417	0.1893222	0.36272034	1.9472488	20	7 28.1	18.4
213278 2001 OG_{90}	16.3	X	165.90145	169.39521	145.11752	6.07788	0.2347324	0.23440696	2.6050879	20	1 3.3	20.6
213279 2001 ON_{111}	15.8	X	154.30205	311.52521	301.67275	14.61225	0.2488485	0.22403524	2.6848817	20	12 17.6	20.6
213280 2001 PP_{10}	16.3	X	121.34218	139.15113	164.83077	8.47318	0.1867682	0.22588352	2.6702157	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
213281 2001 PE_{11}	16.3	X	46.06466	312.04623	42.79171	3.72765	0.1507102	0.22064330	2.7123281	20	—	—
213282 2001 PA_{25}	16.6	X	102.29469	151.36004	170.60490	4.13640	0.2110172	0.22331698	2.6906356	20	—	—
213283 2001 PE_{27}	15.9	X	39.04315	211.31237	166.17695	7.92512	0.3120278	0.21842331	2.7306753	20	—	—
213284 2001 PT_{48}	16.2	X	173.86529	1.06488	238.07156	12.76388	0.2662429	0.22673108	2.6635571	20	12 14.4	20.9
213285 2001 QY_{26}	15.0	X	83.70333	306.83278	352.04465	24.99962	0.1103834	0.21675811	2.7446427	20	11 28.0	19.6
213286 2001 QV_{32}	15.9	X	38.67933	219.96082	159.12969	14.76650	0.0855914	0.22316725	2.6918390	20	—	—
213287 2001 QQ_{59}	16.6	X	82.24615	289.42173	22.06297	3.71644	0.2040654	0.22048181	2.7136524	20	12 27.4	20.9
213288 2001 QE_{95}	16.1	X	97.50626	162.36275	147.65693	13.26426	0.1419467	0.22286229	2.6942940	20	—	—
213289 2001 QK_{100}	16.7	X	202.98431	250.78561	21.35672	5.06598	0.2418493	0.23586362	2.5943511	20	—	—
213290 2001 QE_{113}	15.8	X	182.94519	87.58828	210.32406	9.53768	0.2629205	0.23227803	2.6209815	20	—	—
213291 2001 QF_{123}	16.2	X	23.43020	236.84072	135.58805	10.06612	0.2034183	0.21753391	2.7381132	20	—	—
213292 2001 QX_{127}	15.8	X	64.57629	152.44631	181.57475	13.44137	0.1864319	0.21997491	2.7178196	20	—	—
213293 2001 QY_{154}	16.0	X	59.64682	138.00124	216.32455	5.71342	0.1095930	0.22115908	2.7081094	20	—	—
213294 2001 QA_{162}	16.1	X	92.87434	291.48782	7.22293	4.93137	0.0978099	0.21970730	2.7200260	20	12 13.3	20.2
213295 2001 QZ_{209}	16.3	X	50.60595	169.91909	180.51143	8.10545	0.1473215	0.21944670	2.7221790	20	—	—
213296 2001 QV_{213}	16.1	X	50.68919	176.70995	170.06872	5.03867	0.1210720	0.21815025	2.7329535	20	12 28.4	19.9
213297 2001 QS_{249}	15.6	X	71.61024	297.52369	19.82841	14.21094	0.0759422	0.21794867	2.7346383	20	12 8.2	19.7
213298 2001 QG_{273}	16.1	X	193.75393	22.25542	356.24496	12.17134	0.1675227	0.19123422	2.9837262	20	4 8.2	21.2
213299 2001 QS_{273}	15.7	X	64.16867	262.51009	96.55024	9.31080	0.1643358	0.22225009	2.6992395	20	—	—
213300 2001 QM_{280}	15.8	X	82.47205	294.16107	57.43220	9.41806	0.2054955	0.22266821	2.6958594	20	—	—
213301 2001 QS_{294}	16.2	X	17.93287	133.43746	181.40930	13.08482	0.2039634	0.21004290	2.8028340	20	10 16.7	19.4
213302 2001 QL_{328}	15.6	X	254.87605	199.77073	177.56641	9.54341	0.0876442	0.19480744	2.9471281	20	6 17.3	20.0
213303 2001 QM_{328}	15.2	X	109.53256	302.94133	147.10011	6.69539	0.1671936	0.18159232	3.0884297	20	4 22.1	19.8
213304 2001 RL_{27}	16.0	X	72.93754	187.94394	154.85347	9.43953	0.2029041	0.22074693	2.7114791	20	—	—
213305 2001 RD_{50}	15.8	X	341.15432	162.27251	222.29633	8.29358	0.1547376	0.21168043	2.7883604	20	11 7.8	18.5
213306 2001 RR_{59}	16.0	X	29.93198	319.83023	21.43999	9.67167	0.1635152	0.21361038	2.7715400	20	11 29.1	19.7
213307 2001 RB_{65}	15.3	X	300.62002	143.55288	218.56904	11.20615	0.0130082	0.20144218	2.8820561	20	8 3.7	19.5
213308 2001 RQ_{79}	15.3	X	265.24161	277.41224	122.41301	5.77396	0.3283384	0.19616537	2.9335117	20	6 26.3	19.9
213309 2001 RV_{80}	16.3	X	123.87098	267.55896	63.42234	16.28004	0.3724519	0.22476480	2.6790687	20	1 1.2	20.7
213310 2001 RN_{90}	16.2	X	87.84361	227.60746	82.89304	5.89806	0.1174077	0.21817861	2.7327167	20	12 24.0	20.4
213311 2001 RH_{101}	15.8	X	85.56252	182.90981	131.75818	7.81044	0.1324329	0.21978201	2.7194096	20	12 28.4	19.9
213312 2001 RB_{115}	16.4	X	22.22127	237.12346	109.98806	1.81163	0.0818888	0.21359819	2.7716454	20	11 16.6	20.0
213313 2001 RL_{136}	16.3	X	68.06990	275.46867	61.71009	5.79301	0.1645411	0.21831891	2.7315457	20	—	—
213314 2001 SG_{9}	15.1	X	67.10484	307.38102	47.68136	12.65398	0.2718286	0.21992878	2.7181996	20	—	—
213315 2001 SL_{16}	16.4	X	35.66714	209.59758	162.26190	3.87331	0.2048206	0.21718571	2.7410390	20	—	—
213316 2001 SK_{19}	15.7	X	305.93937	216.01166	168.51183	11.75283	0.0973631	0.20586380	2.8406390	20	9 5.8	19.2
213317 2001 ST_{32}	15.6	X	235.95279	338.43701	11.75540	10.69025	0.1112814	0.19072768	2.9890068	20	4 17.6	20.2
213318 2001 SN_{40}	15.5	X	239.33528	276.25127	98.35058	3.69706	0.1701763	0.19332685	2.9621561	20	5 18.4	20.2
213319 2001 ST_{63}	15.8	X	27.33331	160.52775	198.18795	9.12973	0.1674501	0.21253405	2.7808893	20	12 19.9	19.6
213320 2001 SQ_{97}	14.9	X	293.86219	172.83642	350.69193	15.68011	0.0442272	0.17253251	3.1956221	20	—	—
213321 2001 SG_{119}	15.9	X	129.03044	60.27851	200.51588	14.17052	0.1361517	0.21820838	2.7324681	20	12 5.8	20.5
213322 2001 SN_{121}	15.4	X	74.46716	42.40372	284.42054	4.01548	0.1438252	0.21836784	2.7311377	20	—	—
213323 2001 SA_{127}	16.4	X	146.15200	99.94721	181.82439	10.85230	0.2387513	0.22512544	2.6762068	20	—	—
213324 2001 SP_{127}	16.1	X	87.50760	138.13796	183.07138	9.25398	0.1548129	0.21976976	2.7195106	20	—	—
213325 2001 SV_{132}	16.1	X	323.38830	196.96616	196.73815	6.00332	0.0446698	0.20978024	2.8051731	20	10 19.7	19.5
213326 2001 SC_{138}	16.2	X	314.33805	7.83334	349.79646	1.53792	0.0812934	0.20286491	2.8685654	20	8 15.2	19.7
213327 2001 SM_{138}	16.0	X	297.57465	167.90499	190.49739	10.67683	0.1389865	0.20062231	2.8899028	20	7 10.7	19.8
213328 2001 SF_{139}	15.9	X	163.90300	45.99506	356.99187	8.36595	0.1042503	0.18653037	3.0336794	20	4 10.0	20.7
213329 2001 SE_{140}	16.0	X	66.39955	123.42908	188.17174	8.79788	0.1479540	0.21439616	2.7647639	20	12 6.5	20.2
213330 2001 SX_{141}	16.5	X	21.61558	141.37042	218.24045	4.28339	0.1061231	0.21427496	2.7658063	20	12 5.1	20.1
213331 2001 SG_{146}	15.6	X	251.63564	207.52546	205.06665	8.14432	0.0690948	0.20080400	2.8881593	20	7 29.4	19.9
213332 2001 SV_{148}	17.0	X	201.86609	72.19937	231.09946	4.58249	0.2832702	0.28822602	2.2697634	20	1 12.9	21.0
213333 2001 SX_{154}	16.2	X	24.63380	314.01699	5.20921	8.53577	0.2406580	0.20972874	2.8056323	20	11 3.6	19.7
213334 2001 SW_{159}	15.8	X	116.51126	61.48164	349.72975	6.08279	0.1441497	0.18008323	3.1056597	20	3 8.6	20.4
213335 2001 SJ_{166}	16.5	X	53.45347	112.21082	184.36130	2.66351	0.1686656	0.21221897	2.7836412	20	11 5.6	20.4
213336 2001 SK_{177}	15.3	X	46.32567	171.29173	179.86881	10.31352	0.1811987	0.21490372	2.7604090	20	—	—
213337 2001 SE_{209}	15.9	X	302.49103	219.57337	144.21346	4.33731	0.0564913	0.20251159	2.8719010	20	8 7.7	19.7
213338 2001 SH_{214}	16.0	X	60.19169	125.31028	173.11939	17.67122	0.1613641	0.21244696	2.7816493	20	11 17.3	20.3
213339 2001 SG_{216}	16.6	X	53.52083	311.91341	356.26462	3.39513	0.0893695	0.21277729	2.7787696	20	11 7.5	20.3
213340 2001 SU_{219}	17.0	X	231.19262	226.35440	98.37966	0.64979	0.1615950	0.24060935	2.5601243	20	3 8.3	21.1
213341 2001 SR_{245}	15.6	X	240.72219	341.28326	27.86900	12.58090	0.1433140	0.19202182	2.9755619	20	5 12.4	20.2
213342 2001 SB_{251}	15.9	X	287.93757	244.40721	105.88055	3.19489	0.0826288	0.19599248	2.9352366	20	6 25.6	19.8
213343 2001 SS_{274}	16.8	X	34.34601	302.24678	17.39827	2.24899	0.0555949	0.20928478	2.8095987	20	10 23.4	20.5
213344 2001 ST_{302}	16.8	X	77.97065	346.75627	309.87327	2.70517	0.0771938	0.21510232	2.7587096	20	11 21.4	20.7
213345 2001 SW_{302}	16.5	X	62.35497	351.23078	301.89786	3.44054	0.0442336	0.21171249	2.7880790	20	10 23.2	20.4
213346 2001 SG_{303}	15.6	X	102.54715	92.39001	354.97027	9.93413	0.0935101	0.18358918	3.0659941	20	3 28.1	20.0
213347 2001 SD_{304}	12.8	X	285.23132	83.96211	207.92351	10.96660	0.0470104	0.08409979	5.1594821	20	4 18.0	19.6
213348 2001 SC_{308}	16.2	X	87.32689	119.11823	172.60559	7.75822	0.2145865	0.21648292	2.7469682	20	12 9.4	20.8
213349 2001 SD_{327}	16.3	X	0.56929	151.44741	207.86024	10.16844	0.1394634	0.21050444	2.7987357	20	11 6.8	19.6
213350 2001 SO_{327}	16.2	X	327.27101	259.23073	73.61415	3.09060	0.0736721	0.20262394	2.8708392	20	8 2.7	19.7
213351 2001 SC_{333}	13.5	X	260.84091	118.60335	191.80295	12.93434	0.0817361	0.08285214	5.2111500	20	4 8.1	20.5
213352 2001 SJ_{341}	16.3	X	12.55861	119.25145	172.48429	6.10410	0.0464892	0.20370294	2.8606925	20	8 13.9	20.0
213353 2001 TJ_{2}	16.1	X	171.92374	212.78498	196.31891	4.81024	0.1596920	0.18825542	3.0151185	20	4 29.5	21.1
213354 2001 TJ_{12}	15.6	X	89.52609	279.15862	25.04089	12.64369	0.1785095	0.21493282	2.7601598	20	12 21.6	20.2
213355 2001 TE_{15}	15.9	X	81.49730	186.70136	156.38624	10.50296	0.2572314	0.21937676	2.7227576	20	—	—
213356 2001 TV_{52}	17.0	X	224.83193	211.27482	133.14553	0.82356	0.1365193	0.24102845	2.5571558	20	3 27.9	20.9
213357 2001 TE_{61}	15.9	X	17.63161	314.51388	53.53527	8.70188	0.2353299	0.21203863	2.7852193	20	12 28.8	19.4
213358 2001 TO_{73}	15.7	X	201.97651	356.38064	46.37858	10.03260	0.1197382	0.18933045	3.0036943	20	5 18.4	20.5
213359 2001 TD_{98}	16.0	X	89.24024	300.89860	19.73829	6.89548	0.2473355	0.21790407	2.7350115	20	—	—
213360 2001 TO_{108}	12.7	X	246.49232	113.80903	217.91305	23.06689	0.0775166	0.08338249	5.1890297	20	4 15.9	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
213361 2001 TE_{118}	15.5	X	154.14712	19.41037	264.85093	15.73951	0.2953969	0.22540100	2.6740252	20	—	—
213362 2001 TX_{132}	15.7	X	68.75667	310.01932	326.31112	7.06141	0.2015165	0.21078259	2.7962729	20	10 28.8	20.0
213363 2001 TC_{139}	15.7	X	139.97258	280.99163	12.43923	16.19244	0.2217093	0.22556620	2.6727194	20	—	—
213364 2001 TF_{142}	15.6	X	80.64588	70.01643	32.66862	17.09691	0.2384993	0.17929034	3.1148092	20	4 13.8	19.8
213365 2001 TV_{148}	16.6	X	66.36116	179.94053	140.04216	7.06535	0.3152826	0.21626520	2.7488115	20	12 31.9	21.3
213366 2001 TS_{156}	16.3	X	195.82019	332.12462	128.32736	0.61414	0.0655159	0.19745109	2.9207633	20	7 27.2	20.6
213367 2001 TS_{173}	16.3	X	47.81126	144.79950	179.25575	5.39614	0.0511440	0.21062468	2.7976704	20	11 16.6	20.2
213368 2001 TV_{179}	16.1	X	143.62513	70.01249	219.94096	11.27868	0.2429009	0.22257402	2.6966199	20	—	—
213369 2001 TY_{180}	15.4	X	214.11257	354.83944	8.34792	7.35633	0.0419269	0.18684469	3.0302762	20	4 15.6	19.8
213370 2001 TC_{206}	15.3	X	149.02382	259.71281	173.43894	19.52725	0.1184509	0.18576696	3.0419850	20	5 8.2	20.3
213371 2001 TY_{210}	15.6	X	102.98231	2.34184	292.52131	8.09050	0.1549706	0.21863058	2.7289491	20	12 22.8	20.0
213372 2001 TW_{226}	15.8	X	164.60240	217.49540	209.20100	9.78287	0.1410459	0.18562098	3.0435797	20	5 13.8	20.6
213373 2001 TN_{230}	16.3	X	129.92556	211.86617	211.00543	1.14378	0.1651090	0.18268004	3.0761581	20	4 7.2	21.1
213374 2001 TA_{246}	16.4	X	253.63719	224.08578	191.57357	5.81173	0.0524279	0.20202857	2.8764767	20	8 8.4	20.5
213375 2001 TC_{246}	16.4	X	350.28376	346.36093	28.32052	1.74309	0.0759382	0.21109833	2.7934840	20	11 4.0	19.8
213376 2001 UA_{24}	15.4	X	145.71386	34.77220	4.84047	17.00304	0.2231246	0.18134037	3.0912898	20	3 28.8	20.6
213377 2001 UL_{27}	16.0	X	23.61173	278.56532	67.64194	4.30179	0.1021472	0.21138835	2.7909283	20	11 19.4	19.4
213378 2001 UG_{29}	15.6	X	269.37080	200.85864	176.37888	12.11008	0.0707381	0.19668924	2.9283005	20	7 6.8	19.9
213379 2001 UU_{42}	15.8	X	27.13727	293.56726	35.24496	13.75788	0.1334285	0.20919299	2.8104205	20	11 4.7	19.4
213380 2001 UB_{43}	16.1	X	226.76103	340.29798	60.27760	4.22713	0.1025161	0.19319925	2.9634602	20	6 12.2	20.5
213381 2001 UB_{45}	15.5	X	80.64543	49.11333	50.68996	11.86192	0.2878639	0.17609425	3.1523851	20	4 18.4	19.9
213382 2001 UW_{50}	15.0	X	203.57863	199.06134	199.23490	16.31394	0.1691258	0.18747394	3.0234917	20	5 15.1	20.1
213383 2001 UP_{62}	16.5	X	82.58658	300.19916	13.58031	1.60338	0.2463822	0.21609123	2.7502866	20	—	—
213384 2001 UF_{72}	15.8	X	118.88583	204.70662	106.45039	14.18251	0.2824436	0.22173125	2.7034486	20	—	—
213385 2001 US_{81}	15.5	X	100.72283	74.18505	41.57076	17.28261	0.1443531	0.18221312	3.0814109	20	5 7.7	20.0
213386 2001 UV_{96}	15.8	X	74.91741	359.18517	68.16805	2.18973	0.2009675	0.17341865	3.1847268	20	2 16.1	19.8
213387 2001 UG_{115}	15.8	X	173.36313	238.45266	202.98261	9.52416	0.0734421	0.18928866	3.0041365	20	6 7.9	20.5
213388 2001 UO_{130}	16.1	X	71.89994	200.89445	101.87780	3.91484	0.1718533	0.21236429	2.7823711	20	12 3.3	20.3
213389 2001 UY_{136}	16.1	X	77.52970	337.12648	57.45088	1.81889	0.1493264	0.17115206	3.2127822	20	1 2.9	20.1
213390 2001 UF_{144}	15.9	X	165.22016	203.06705	193.36685	6.18670	0.1455221	0.18293698	3.0732770	20	4 7.6	20.8
213391 2001 UF_{160}	16.9	X	331.50653	7.28066	96.32577	1.92085	0.1728038	0.26650584	2.3914698	20	—	—
213392 2001 UY_{161}	15.5	X	186.56227	334.30294	73.51602	11.60143	0.1759772	0.18541034	3.0458844	20	5 12.2	20.5
213393 2001 UR_{172}	16.3	X	285.75720	295.35219	48.91131	8.95974	0.0986719	0.19477837	2.9474214	20	6 11.2	20.3
213394 2001 US_{187}	13.0	X	227.35642	157.49480	183.09045	8.55269	0.0505338	0.08241509	5.2295570	20	4 10.5	20.1
213395 2001 UN_{190}	16.7	X	55.36672	76.81988	220.53249	5.38591	0.0995406	0.21032923	2.8002897	20	10 28.9	20.4
213396 2001 UA_{198}	15.8	X	233.29298	309.44055	74.24594	8.93893	0.1607330	0.19350448	2.9603430	20	5 24.4	20.4
213397 2001 US_{203}	15.6	X	219.62537	350.23124	24.19391	11.90014	0.0366221	0.18853393	3.0121484	20	5 5.4	20.0
213398 2001 UK_{219}	15.7	X	289.65465	254.66715	138.70330	14.82960	0.1329642	0.19906127	2.9049916	20	8 18.4	19.4
213399 2001 UJ_{228}	15.7	X	46.29935	137.96260	210.09531	15.93612	0.2347267	0.21232694	2.7826974	20	—	—
213400 2001 VC_{3}	16.2	X	187.02491	6.76334	35.59018	10.14551	0.0704599	0.18660778	3.0328403	20	5 3.7	20.7
213401 2001 VS_{56}	15.7	X	34.83207	335.64158	355.17132	7.84223	0.2237590	0.21003151	2.8029353	20	11 30.7	19.6
213402 2001 VH_{111}	15.5	X	134.85499	3.03942	49.69232	11.62162	0.1386658	0.17839531	3.1252188	20	4 2.3	20.4
213403 2001 WT	16.0	X	31.61795	233.14119	279.60670	0.07431	0.1249668	0.17543215	3.1603118	20	3 16.9	19.7
213404 2001 WH_{3}	15.0	X	68.82855	270.27933	221.70912	20.11062	0.2398812	0.17860724	3.1227461	20	5 3.6	18.9
213405 2001 WM_{8}	15.6	X	6.99450	272.72272	81.85180	10.14697	0.1483713	0.20631715	2.8364763	20	11 12.8	19.0
213406 2001 WB_{17}	16.2	X	73.88114	333.49241	353.23969	2.00149	0.2111907	0.21578261	2.7529084	20	—	—
213407 2001 WQ_{23}	16.4	X	178.37750	3.47685	38.27466	1.20588	0.0981120	0.18408455	3.0604914	20	4 24.9	21.1
213408 2001 WJ_{26}	15.1	X	69.99759	48.79599	59.94427	25.08080	0.3382986	0.17387217	3.1791865	20	4 28.7	19.5
213409 2001 WW_{29}	15.2	X	62.15519	262.92535	84.24273	13.19410	0.2587996	0.21394067	2.7686867	20	—	—
213410 2001 WN_{53}	16.0	X	127.96149	63.29777	226.93353	11.69513	0.2257989	0.21820952	2.7324586	20	—	—
213411 2001 WB_{58}	16.0	X	132.26075	45.72570	39.26960	2.85854	0.0621581	0.18438541	3.0571612	20	4 26.5	20.4
213412 2001 WG_{68}	16.3	X	220.74800	156.50694	226.31080	2.51271	0.0968085	0.18915765	3.0055234	20	5 15.1	20.8
213413 2001 WR_{75}	15.4	X	277.28970	250.81600	68.97158	4.86363	0.1080500	0.18873657	3.0099920	20	4 29.9	19.7
213414 2001 WU_{81}	15.5	X	23.13494	9.32633	234.83221	7.87295	0.0510548	0.18905234	3.0066394	20	6 26.1	19.5
213415 2001 WJ_{87}	16.0	X	55.76166	294.72368	31.85614	8.14089	0.2249182	0.21227069	2.7831890	20	12 20.7	20.3
213416 2001 XL_{10}	15.7	X	196.24211	351.17494	22.57788	5.24226	0.1821562	0.18250722	3.0780997	20	4 8.2	20.9
213417 2001 XZ_{30}	15.3	X	137.30763	225.92526	181.39927	14.19141	0.1740065	0.17805067	3.1292504	20	3 28.4	20.2
213418 2001 XS_{32}	15.3	X	11.41286	305.94170	223.76269	14.49704	0.1446482	0.17605748	3.1528240	20	2 28.0	19.3
213419 2001 XK_{38}	15.3	X	253.70002	316.47943	35.44386	12.55131	0.1913682	0.18823963	3.0152871	20	5 1.3	19.8
213420 2001 XJ_{39}	15.2	X	258.46940	349.33892	35.84125	12.43552	0.1424596	0.19130707	2.9829687	20	6 23.3	19.7
213421 2001 XO_{55}	17.4	X	283.61128	223.57756	182.29267	1.58427	0.1475413	0.30528794	2.1843872	20	9 8.9	19.0
213422 2001 XR_{71}	15.0	X	108.08495	24.32461	72.32943	17.67860	0.0900228	0.18036389	3.1024371	20	4 23.7	19.7
213423 2001 XL_{88}	17.4	X	89.22348	241.66991	102.66043	2.64763	0.1468845	0.31828489	2.1245096	20	—	—
213424 2001 XS_{88}	15.3	X	139.99640	203.75675	209.52881	4.73276	0.1854407	0.17866495	3.1220737	20	4 6.8	20.3
213425 2001 XS_{94}	16.6	X	72.19814	111.05691	58.04277	6.43546	0.1150413	0.29021348	2.2593889	20	6 6.5	19.1
213426 2001 XN_{126}	15.7	X	199.18614	332.61421	75.42401	10.46174	0.1051994	0.18708703	3.0276587	20	5 24.3	20.3
213427 2001 XS_{137}	16.0	X	108.50608	263.07484	138.61910	2.34126	0.1856632	0.17274172	3.1930414	20	2 23.7	20.6
213428 2001 XV_{182}	17.0	X	202.59866	210.17333	272.96363	5.44590	0.0898849	0.29974811	2.2112189	20	9 8.4	19.9
213429 2001 XQ_{200}	15.4	X	60.69769	266.17868	60.10062	9.04473	0.2085098	0.21015888	2.8018027	20	12 22.9	19.7
213430 2001 XP_{201}	16.6	X	3.64691	47.44517	118.03968	3.38936	0.1020001	0.27374081	2.3491443	20	1 30.2	19.0
213431 2001 XX_{224}	16.9	X	36.86209	64.21771	295.84490	4.00125	0.0160900	0.31530364	2.1378803	20	—	—
213432 2001 XL_{240}	16.4	X	160.80087	240.00377	37.11106	2.68072	0.0627508	0.31722014	2.1292609	20	—	—
213433 2001 XM_{258}	15.4	X	181.47648	210.62978	194.99115	8.72125	0.0700852	0.18422498	3.0589359	20	5 3.8	20.0
213434 2001 XX_{258}	15.4	X	159.38668	203.58154	190.65176	9.11344	0.0590715	0.17974125	3.1095977	20	3 25.2	19.9
213435 2001 YJ_{6}	15.3	X	28.48062	119.73740	64.78419	13.59452	0.0983409	0.18050546	3.1008147	20	4 24.6	19.2
213436 2001 YN_{6}	15.5	X	145.87194	261.14653	184.28287	10.61117	0.0769669	0.18326251	3.0696366	20	5 15.6	20.2
213437 2001 YU_{12}	16.9	X	270.08607	248.79680	69.52149	2.93842	0.1045854	0.29173710	2.2515155	20	4 14.1	19.6
213438 2001 YV_{16}	15.2	X	221.92768	181.11843	284.09499	11.38622	0.1115645	0.19553957	2.9397672	20	8 22.5	19.8
213439 2001 YF_{25}	15.9	X	229.63449	18.71826	10.28612	2.43925	0.1056570	0.18875485	3.0097976	20	5 31.1	20.3
213440 2001 YE_{121}	15.3	X	153.55534	28.52594	60.12045	16.79600	0.0599537	0.18409065	3.0604237	20	5 24.6	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
213441 2002 AU_{6}	15.5	X	240.58893	171.79425	216.99587	11.53067	0.1285587	0.18991681	2.9975086	20	6 9.9	20.2
213442 2002 AD_{23}	17.4	X	207.71249	335.94634	151.88859	4.87464	0.0982862	0.30115763	2.2043140	20	9 25.2	20.2
213443 2002 AD_{24}	16.7	X	282.47985	320.37886	148.97395	4.37392	0.0646718	0.30892551	2.1672060	20	12 26.3	18.9
213444 2002 AA_{44}	15.0	X	298.04328	7.27007	288.16216	9.66462	0.0808834	0.17970504	3.1100154	20	4 25.2	19.4
213445 2002 AE_{51}	15.4	X	178.00593	292.80036	126.02174	15.13669	0.1636954	0.18026427	3.1035800	20	5 20.7	20.8
213446 2002 AV_{66}	16.8	X	150.58587	322.28574	270.88733	2.71528	0.0775565	0.30689477	2.1767559	20	12 11.1	19.5
213447 2002 AK_{144}	17.3	X	297.02641	215.37670	267.22370	0.55047	0.0445422	0.31345613	2.1462726	20	—	—
213448 2002 AA_{155}	16.1	X	142.11194	69.19746	127.33617	7.36930	0.0712196	0.29690627	2.2253063	20	10 14.8	19.1
213449 2002 AD_{176}	16.9	X	166.65730	99.18310	112.90318	6.92604	0.0770816	0.30471407	2.1871289	20	12 2.6	19.8
213450 2002 CZ_{11}	16.6	X	93.62758	249.90189	14.43778	4.61616	0.0137108	0.30328483	2.1939948	20	11 9.6	19.1
213451 2002 CJ_{18}	16.4	X	219.30585	84.17388	71.05466	8.12672	0.0171081	0.30420560	2.1895654	20	11 30.5	18.7
213452 2002 CP_{33}	17.1	X	252.10517	70.57483	28.86096	7.51727	0.1027298	0.30199353	2.2002446	20	10 15.3	19.4
213453 2002 CH_{37}	17.1	X	178.69053	6.90145	139.50992	3.94653	0.0253148	0.29629411	2.2283704	20	9 20.8	19.6
213454 2002 CK_{48}	17.3	X	285.54137	341.09754	76.30793	3.51048	0.1096633	0.30225393	2.1989807	20	10 8.9	19.2
213455 2002 CP_{54}	17.1	X	215.15389	318.10050	180.27795	5.53526	0.0863887	0.30031115	2.2084543	20	10 21.2	19.6
213456 2002 CP_{119}	17.3	X	183.63858	341.57117	203.27960	2.65813	0.1012417	0.30354933	2.1927201	20	11 12.6	20.1
213457 2002 CF_{152}	17.4	X	138.59505	151.52437	17.97408	3.55040	0.1124972	0.29116722	2.2544524	20	9 1.3	20.5
213458 2002 CB_{170}	17.5	X	144.60151	37.91392	97.02591	4.16730	0.1567206	0.28857775	2.2679187	20	7 23.0	20.8
213459 2002 CX_{172}	15.3	X	143.99721	306.92136	122.93681	16.36020	0.2384532	0.17489821	3.1667405	20	5 9.8	20.9
213460 2002 CE_{184}	17.6	X	147.18225	203.43938	324.10449	1.89424	0.0984219	0.29477429	2.2360232	20	9 6.6	20.8
213461 2002 CM_{197}	17.3	X	69.04001	152.78793	123.76647	3.50435	0.0949169	0.29845386	2.2176070	20	11 5.5	20.2
213462 2002 CQ_{198}	15.5	X	78.83006	272.91266	118.80320	6.38949	0.0313396	0.15689970	3.4045102	20	—	—
213463 2002 CF_{232}	16.7	X	72.71193	144.77490	117.84968	7.50077	0.1034763	0.29464236	2.2366906	20	10 24.6	19.7
213464 2002 CM_{233}	15.3	X	157.57554	117.22256	304.93353	8.25894	0.0762062	0.17462278	3.1700695	20	4 24.2	20.2
213465 2002 CL_{234}	15.1	X	305.49458	108.19095	129.91922	19.50930	0.0873881	0.16811871	3.2513122	20	3 1.5	19.7
213466 2002 CE_{236}	18.2	X	139.46316	45.87140	92.81124	1.71546	0.1410429	0.28909246	2.2652260	20	7 21.9	21.3
213467 2002 CX_{311}	16.7	X	218.17254	347.97776	103.50033	4.32137	0.1102683	0.29392103	2.2403486	20	8 15.3	19.6
213468 2002 EU_{8}	16.4	X	132.15330	60.58718	82.28333	5.38070	0.1979075	0.28730059	2.2746349	20	7 23.8	19.9
213469 2002 EX_{60}	16.7	X	34.71924	341.76164	315.09253	4.68317	0.1722932	0.29254344	2.2473763	20	10 26.3	19.4
213470 2002 ED_{85}	16.8	X	80.82814	125.48646	145.20909	1.29315	0.1844474	0.29369038	2.2415214	20	11 17.9	19.9
213471 2002 ES_{90}	16.9	X	60.26873	186.34711	114.16293	1.79841	0.0266643	0.29832255	2.2182577	20	11 16.9	19.6
213472 2002 EJ_{95}	17.5	X	170.99316	299.21390	155.06453	5.79896	0.1918296	0.28766968	2.2726889	20	6 24.2	21.2
213473 2002 EJ_{99}	16.9	X	136.41768	65.24567	147.01620	7.59035	0.0632702	0.29661627	2.2267565	20	10 28.8	19.9
213474 2002 EU_{115}	17.0	X	146.16677	25.56864	98.03201	6.26857	0.1009735	0.28513641	2.2861301	20	7 6.1	20.2
213475 2002 EN_{120}	17.4	X	42.82872	139.39288	168.51921	4.21978	0.1247428	0.29732123	2.2232353	20	11 18.9	20.0
213476 2002 EZ_{131}	17.2	X	131.18781	271.19711	162.01850	3.92695	0.1812119	0.27799354	2.3251247	20	4 19.9	20.6
213477 2002 EE_{134}	17.7	X	148.00086	177.23376	337.08677	2.58398	0.0756067	0.29063760	2.2571903	20	8 20.1	20.5
213478 2002 EQ_{135}	17.1	X	169.01679	56.57460	88.11930	2.01241	0.1175108	0.29201526	2.2500855	20	8 31.4	20.2
213479 2002 EY_{135}	16.7	X	33.47456	300.53667	13.62543	3.64573	0.1928284	0.29506999	2.2345291	20	11 22.9	19.4
213480 2002 EV_{148}	16.5	X	31.91040	148.14825	175.33199	7.96527	0.2466182	0.29445322	2.2376484	20	12 12.6	19.5
213481 2002 EE_{162}	16.8	X	190.09194	317.84456	127.56733	6.50654	0.0546844	0.28661454	2.2782633	20	7 5.3	19.7
213482 2002 FY_{4}	16.0	X	50.26698	254.85453	13.93814	24.15152	0.1495770	0.29025529	2.2591719	20	10 6.6	18.8
213483 2002 FY_{7}	17.0	X	71.15394	201.41566	23.80362	4.14500	0.0835720	0.28754545	2.2733434	20	8 24.8	19.7
213484 2002 FR_{12}	16.9	X	44.15009	263.09546	15.40780	6.61929	0.1726431	0.28953355	2.2629248	20	10 14.9	19.6
213485 2002 FD_{15}	16.3	X	183.16128	89.89824	44.66808	8.76594	0.1075809	0.29448611	2.2374818	20	9 6.9	19.5
213486 2002 FX_{15}	16.2	X	332.71333	222.48153	72.67700	7.64394	0.2134743	0.28044821	2.3115375	20	6 6.5	17.7
213487 2002 FP_{31}	17.1	X	93.02825	146.90257	32.36853	6.10386	0.1088678	0.28500259	2.2868456	20	7 22.5	20.1
213488 2002 FX_{38}	16.6	X	68.45396	229.67998	14.76881	23.66900	0.1782120	0.29122756	2.2541409	20	10 2.4	19.6
213489 2002 GC_{6}	16.8	X	127.64098	123.08203	44.28090	8.31818	0.0449650	0.28613154	2.2808264	20	8 14.7	19.8
213490 2002 GO_{13}	16.8	X	137.19929	75.66306	39.02148	3.97633	0.0564063	0.27952154	2.3166434	20	6 8.6	19.9
213491 2002 GO_{15}	12.5	X	254.80600	269.72257	180.38549	4.40619	0.0772278	0.07971683	5.3469081	20	9 6.0	19.6
213492 2002 GX_{26}	16.3	X	62.03412	229.22800	41.88159	7.70088	0.1800551	0.28904566	2.2654705	20	10 28.8	19.1
213493 2002 GH_{36}	17.3	X	317.50991	255.18282	15.18761	7.19900	0.1713555	0.27437544	2.3455204	20	4 3.2	19.6
213494 2002 GM_{37}	17.1	X	14.67190	68.35603	217.04941	1.91949	0.1599511	0.28542198	2.2846049	20	9 3.1	19.1
213495 2002 GS_{37}	17.5	X	42.73244	89.68043	198.93036	2.68352	0.1645025	0.29002542	2.2603655	20	10 26.7	20.2
213496 2002 GM_{45}	17.4	X	67.49339	0.84200	224.18020	3.11710	0.1167329	0.28467119	2.2886201	20	8 20.8	20.1
213497 2002 GZ_{46}	17.3	X	94.96403	355.36927	173.95496	2.45135	0.1023296	0.28248451	2.3004155	20	7 7.4	20.2
213498 2002 GB_{49}	17.0	X	102.48144	99.38660	16.19936	6.12888	0.1727708	0.27693898	2.3310236	20	5 10.6	20.2
213499 2002 GY_{50}	16.9	X	38.18663	102.12132	162.70712	5.72136	0.1496834	0.28515009	2.2860569	20	9 12.5	19.3
213500 2002 GE_{52}	17.6	X	115.32380	4.35534	165.71290	3.76541	0.0662067	0.28508185	2.2864217	20	7 30.3	20.4
213501 2002 GV_{76}	16.1	X	317.48316	208.15655	118.91972	6.86358	0.1423751	0.28212895	2.3023479	20	7 6.5	18.1
213502 2002 GC_{77}	16.9	X	94.55021	82.41962	130.99983	4.72123	0.0434668	0.28841025	2.2687967	20	9 2.5	19.6
213503 2002 GM_{80}	16.6	X	45.50436	228.37688	44.69341	6.40618	0.1265739	0.28752504	2.2734510	20	10 4.2	19.2
213504 2002 GM_{81}	16.9	X	56.23124	109.24960	171.13029	10.52220	0.1897656	0.28916774	2.2648328	20	11 6.9	20.1
213505 2002 GM_{85}	17.6	X	110.59906	131.46161	49.42301	5.35748	0.0735942	0.28586029	2.2822690	20	8 12.9	20.6
213506 2002 GS_{85}	16.7	X	128.38878	61.43446	65.86247	7.36356	0.0462246	0.28100402	2.3084884	20	6 14.0	19.5
213507 2002 GR_{86}	16.6	X	84.62531	40.58503	100.56942	5.88995	0.1108745	0.27639106	2.3341032	20	5 16.3	19.4
213508 2002 GO_{91}	16.6	X	66.54120	86.54720	100.75769	7.23474	0.0449799	0.27981480	2.3150245	20	6 13.7	19.2
213509 2002 GU_{91}	15.9	X	258.19544	294.37870	40.68962	11.29825	0.2035654	0.27288186	2.3540713	20	4 12.9	19.3
213510 2002 GC_{93}	17.0	X	73.32992	20.02454	221.35916	6.01702	0.0989380	0.28808687	2.2704942	20	9 18.0	19.8
213511 2002 GH_{98}	16.7	X	59.89022	282.46278	316.24271	6.45280	0.0805353	0.28732726	2.2744942	20	8 24.7	19.3
213512 2002 GC_{119}	17.0	X	105.49274	110.09547	99.29952	3.42690	0.1151083	0.28960130	2.2625718	20	9 19.3	20.0
213513 2002 GS_{122}	16.9	X	310.18077	240.63370	64.53989	2.66058	0.2302843	0.27639399	2.3340867	20	5 2.7	19.0
213514 2002 GT_{126}	16.9	X	75.66869	77.45404	94.54042	2.84113	0.1477986	0.27892013	2.3199723	20	6 21.9	19.5
213515 2002 GX_{138}	14.7	X	325.14740	357.18427	149.96899	11.27696	0.0659592	0.15191773	3.4785406	20	—	—
213516 2002 GA_{141}	17.7	X	25.75838	109.33239	154.43064	2.42848	0.1896388	0.28201316	2.3029780	20	8 26.6	19.8
213517 2002 GK_{142}	16.7	X	118.96462	341.10924	160.47664	2.96953	0.0963735	0.28023596	2.3127045	20	6 28.0	19.8
213518 2002 GQ_{147}	16.9	X	163.87251	73.52677	58.25104	6.54186	0.0832753	0.28799928	2.2709546	20	8 9.8	20.1
213519 2002 GF_{149}	16.8	X	16.02276	237.09187	48.22694	6.50908	0.1704168	0.28394971	2.2924952	20	9 12.3	18.9
213520 2002 GC_{150}	17.9	X	143.13699	122.08325	23.92331	1.92397	0.1356820	0.28666904	2.2779745	20	8 4.9	21.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
213521 2002 GH_{157}	17.0	X	37.94056	166.15658	140.07909	6.05764	0.1367597	0.29090882	2.2557872	20	11 11.6	19.7
213522 2002 GM_{158}	16.9	X	83.47920	359.77526	160.92306	6.56220	0.0611818	0.27807321	2.3246806	20	6 3.4	19.7
213523 2002 GG_{159}	17.0	X	60.10114	339.51762	210.84750	6.40475	0.0655619	0.27874482	2.3209450	20	6 11.6	19.6
213524 2002 GL_{161}	16.6	X	93.59166	108.42709	71.51994	7.03000	0.0661978	0.28191690	2.3035022	20	7 16.8	19.5
213525 2002 GC_{176}	16.7	X	7.44236	76.99817	189.93142	4.84488	0.1325999	0.28262932	2.2996297	20	7 14.7	18.7
213526 2002 HW_{1}	16.9	X	209.93043	64.94183	45.93067	6.63115	0.0532980	0.29203200	2.2499995	20	9 10.9	19.7
213527 2002 HE_{12}	16.9	X	64.46679	211.12976	37.74332	6.64390	0.2356995	0.28645047	2.2791331	20	10 9.5	20.0
213528 2002 HV_{13}	16.5	X	330.77263	189.47717	81.68122	24.33571	0.2062043	0.27421387	2.3464417	20	5 5.9	19.1
213529 2002 HC_{18}	17.2	X	353.31413	263.01086	49.00542	6.35162	0.2493055	0.27985333	2.3148120	20	9 16.7	18.6
213530 2002 JE_{1}	16.5	X	353.65955	187.52445	54.99441	6.77401	0.0761870	0.27514850	2.3411251	20	5 8.7	18.9
213531 2002 JN_{18}	16.4	X	238.40830	129.47417	79.23528	10.30466	0.1305329	0.25264232	2.4781751	20	—	—
213532 2002 JF_{19}	17.1	X	45.07867	102.89440	169.28450	5.18790	0.1426992	0.28486647	2.2875740	20	10 2.9	19.7
213533 2002 JV_{19}	17.1	X	335.17946	89.44931	173.72403	5.38165	0.1638879	0.27288530	2.3540515	20	4 28.2	19.2
213534 2002 JX_{28}	17.0	X	53.50205	116.05886	72.11640	4.68462	0.1534669	0.27656032	2.3331508	20	6 11.9	19.2
213535 2002 JT_{29}	17.3	X	31.66989	126.91274	105.48049	2.86246	0.1717063	0.27798302	2.3251833	20	7 14.8	19.3
213536 2002 JN_{51}	16.9	X	15.21719	251.89018	27.04341	3.07250	0.1732427	0.28016738	2.3130818	20	8 28.6	18.9
213537 2002 JD_{55}	16.9	X	79.93034	280.21108	237.49689	2.55442	0.1477951	0.27673220	2.3321846	20	6 7.2	19.7
213538 2002 JJ_{63}	16.9	X	9.53802	347.21424	225.54405	7.85910	0.1202038	0.27229485	2.3574533	20	4 19.9	19.2
213539 2002 JU_{63}	16.7	X	37.58943	176.62864	69.68709	5.82597	0.2233578	0.27931979	2.3177588	20	8 30.1	19.2
213540 2002 JH_{72}	16.4	X	349.01934	169.05773	112.00683	9.16392	0.1478799	0.27714407	2.3298734	20	6 28.4	18.3
213541 2002 JL_{75}	17.0	X	6.68362	168.95073	108.82030	4.95783	0.1495961	0.27861705	2.3216545	20	8 3.7	18.8
213542 2002 JG_{76}	17.1	X	98.16282	308.43614	236.22902	4.70375	0.1000715	0.28460341	2.2889834	20	7 31.9	20.1
213543 2002 JC_{81}	16.1	X	312.98461	326.40056	9.44873	7.20042	0.1586798	0.28292656	2.2980187	20	7 11.3	18.2
213544 2002 JZ_{82}	17.4	X	95.51781	326.16031	209.78155	1.36492	0.1594656	0.28219992	2.3019618	20	7 25.2	20.5
213545 2002 JQ_{86}	16.6	X	149.16367	272.05503	228.74804	4.12222	0.1046963	0.28396710	2.2924016	20	7 31.9	19.8
213546 2002 JN_{95}	16.9	X	321.26887	60.21145	231.86248	3.33746	0.1603455	0.27351260	2.3504508	20	5 15.2	19.0
213547 2002 JR_{98}	17.0	X	21.54247	237.49204	32.44037	2.95003	0.1480798	0.28087434	2.3091989	20	8 22.6	19.1
213548 2002 JV_{115}	17.4	X	336.62791	136.48278	177.20516	5.59674	0.3909041	0.27567719	2.3381309	20	6 27.1	17.7
213549 2002 JE_{117}	16.8	X	352.25798	181.14662	86.53647	7.68652	0.1731514	0.27549340	2.3391707	20	6 12.3	18.3
213550 2002 JG_{128}	16.7	X	343.10392	189.39654	93.65512	7.13196	0.1936719	0.27629562	2.3346407	20	6 14.9	18.2
213551 2002 JB_{131}	16.3	X	70.36689	48.19622	94.95013	11.43495	0.1980468	0.27343675	2.3508854	20	5 14.7	19.0
213552 2002 JJ_{131}	15.2	X	60.20191	289.84831	250.17474	9.98357	0.2006292	0.22498230	2.6773418	20	6 17.7	18.5
213553 2002 KW_{4}	17.0	X	32.27378	103.99452	141.50136	2.16301	0.1774044	0.27815707	2.3242133	20	8 7.0	19.2
213554 2002 KU_{6}	17.0	X	346.65631	147.87282	130.07303	14.35458	0.2611236	0.27509289	2.3414406	20	6 13.3	18.5
213555 2002 LQ_{1}	16.8	X	70.85967	60.86622	134.23998	5.58772	0.1564920	0.27885380	2.3203402	20	7 20.1	19.4
213556 2002 LO_{6}	16.9	X	329.24871	147.93524	126.56868	6.99583	0.1649008	0.27214014	2.3583467	20	5 5.8	19.2
213557 2002 LE_{7}	17.3	X	334.68294	147.19080	158.08982	5.40246	0.2366833	0.27584038	2.3372087	20	6 27.6	18.8
213558 2002 LE_{10}	16.8	X	75.49201	92.61047	125.69517	6.05089	0.1145439	0.28124659	2.3071608	20	8 24.1	19.6
213559 2002 LD_{27}	16.1	X	273.51619	97.36797	224.02764	7.34495	0.2853376	0.26481280	2.4016520	20	3 28.9	19.9
213560 2002 LJ_{28}	16.8	X	277.82477	103.57477	209.27730	3.90672	0.2531374	0.26677421	2.3898657	20	3 26.9	20.3
213561 2002 LS_{29}	17.5	X	359.31118	163.61684	136.74102	5.11030	0.2630532	0.27839695	2.3228780	20	9 11.6	18.7
213562 2002 LH_{32}	17.0	X	56.68233	82.59933	117.96088	10.01935	0.1561547	0.27727519	2.3291389	20	7 6.9	19.6
213563 2002 LM_{39}	17.1	X	35.96179	111.25343	121.38654	8.98780	0.1784831	0.27777101	2.3263664	20	7 24.8	19.2
213564 2002 LO_{40}	16.5	X	21.26989	60.22254	223.23028	9.90416	0.2325126	0.27968035	2.3157664	20	9 21.9	18.8
213565 2002 LN_{49}	16.4	X	246.07348	112.60241	206.65165	5.89895	0.1488232	0.26058927	2.4275324	20	3 13.3	20.0
213566 2002 LX_{51}	16.8	X	321.21820	157.98917	122.19847	7.40673	0.1260839	0.27180742	2.3602708	20	5 5.6	19.3
213567 2002 LR_{52}	16.5	X	254.25117	182.82512	143.31741	9.51784	0.2564631	0.26521317	2.3992343	20	3 24.9	20.4
213568 2002 LX_{55}	15.6	X	84.41524	177.49410	166.88839	15.79454	0.3061147	0.23821356	2.5772609	20	—	—
213569 2002 MD_{5}	17.2	X	328.90232	107.91124	157.90948	3.03522	0.1501324	0.26757382	2.3851021	20	4 21.9	19.4
213570 2002 NF_{2}	17.1	X	233.87177	70.11782	211.05859	1.37890	0.1957452	0.25476894	2.4643652	20	1 14.9	21.1
213571 2002 NR_{5}	17.5	X	315.62335	170.43836	131.92140	3.50691	0.1953089	0.26939002	2.3743699	20	5 15.9	19.8
213572 2002 NC_{9}	16.7	X	338.83124	229.73538	83.61332	4.83598	0.2547649	0.27433073	2.3457753	20	7 27.5	17.7
213573 2002 NC_{16}	16.7	X	208.44458	198.03311	123.07275	3.23069	0.1879883	0.25551290	2.4595793	20	2 11.3	20.6
213574 2002 ND_{19}	16.7	X	239.79061	157.83314	150.63670	5.12393	0.1992878	0.25786921	2.4445732	20	2 21.6	20.4
213575 2002 ND_{21}	16.9	X	314.46129	122.79600	166.52015	5.56147	0.1855308	0.26774824	2.3840661	20	4 26.2	19.4
213576 2002 NC_{25}	15.9	X	103.32065	207.23524	138.94382	16.39561	0.1882218	0.23966327	2.5668573	20	—	—
213577 2002 NV_{31}	17.3	X	310.93694	79.35995	213.59855	7.89613	0.2912111	0.26756148	2.3851754	20	4 3.6	20.0
213578 2002 NR_{32}	15.4	X	7.59361	177.24533	192.83389	13.21201	0.2502797	0.22506784	2.6766634	20	12 22.5	18.7
213579 2002 NG_{35}	16.6	X	247.81212	131.44813	206.14702	6.04109	0.1556445	0.26231785	2.4168562	20	4 8.1	20.2
213580 2002 NM_{40}	16.7	X	359.52303	269.99015	305.20732	8.13302	0.2355456	0.26591218	2.3950278	20	3 20.6	18.6
213581 2002 NK_{46}	16.8	X	297.85836	128.95692	177.03302	3.84781	0.1065377	0.26740347	2.3861149	20	5 6.6	19.6
213582 2002 NY_{53}	17.1	X	280.44881	108.85444	184.35847	2.37046	0.1867914	0.26319001	2.4115140	20	3 13.4	20.3
213583 2002 NM_{55}	16.6	X	136.34972	190.77832	162.76319	9.08081	0.2552634	0.24576158	2.5242172	20	1 23.5	20.5
213584 2002 NN_{56}	17.4	X	250.65193	133.00459	173.68752	4.39415	0.2855842	0.25948451	2.4344177	20	2 22.5	21.5
213585 2002 NS_{60}	16.7	X	296.06426	106.92637	176.47172	6.59630	0.0626618	0.26292009	2.4131642	20	4 9.3	19.7
213586 2002 NX_{60}	17.2	X	249.71555	290.76220	16.98559	3.11236	0.1804469	0.25930583	2.4355359	20	3 2.6	20.8
213587 2002 NV_{64}	17.8	X	300.51822	307.10886	352.44496	1.86744	0.2106369	0.26711707	2.3878202	20	4 12.1	20.5
213588 2002 OH_{5}	16.6	X	132.50604	173.15698	181.34535	5.73075	0.1858690	0.24628679	2.5206273	20	1 13.0	20.2
213589 2002 OP_{9}	16.5	X	223.86794	182.88586	165.63458	7.80701	0.2009770	0.25896302	2.4376848	20	3 28.9	20.5
213590 2002 OU_{17}	16.1	X	151.80873	99.19718	239.20758	6.12941	0.1689070	0.24591259	2.5231837	20	1 11.3	20.0
213591 2002 OH_{23}	15.7	X	91.45487	216.37378	136.58952	16.01164	0.1678562	0.23856208	2.5747503	20	—	—
213592 2002 OP_{23}	16.4	X	241.99277	4.44756	285.92060	3.26584	0.0723208	0.25498828	2.4629517	20	2 8.4	19.9
213593 2002 PN_{11}	16.2	X	17.03910	168.76429	167.37216	4.13023	0.1078017	0.22646945	2.6656081	20	11 2.1	19.4
213594 2002 PA_{20}	17.0	X	209.86589	79.31743	242.70143	1.71530	0.1683805	0.25452903	2.4659135	20	2 12.6	20.9
213595 2002 PZ_{29}	17.0	X	260.56238	7.75627	266.62135	3.70246	0.1646482	0.25629027	2.4546033	20	1 31.4	20.9
213596 2002 PN_{36}	17.0	X	309.75375	342.17572	281.69613	1.74131	0.1646104	0.26232665	2.4168022	20	3 14.1	19.8
213597 2002 PA_{41}	15.9	X	85.20122	194.34729	197.95694	15.35239	0.3093925	0.23831002	2.5765654	20	1 18.6	19.1
213598 2002 PP_{47}	16.4	X	8.68803	83.29203	273.77351	6.40956	0.1364805	0.28097063	2.3086713	20	12 5.3	18.9
213599 2002 PX_{52}	16.3	X	44.14025	300.69317	94.38216	3.89455	0.1284049	0.23770778	2.5809155	20	—	—
213600 2002 PV_{53}	16.2	X	86.78971	199.55095	137.87096	4.74838	0.2270374	0.23589527	2.5941190	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
213601 2002 PZ_{55}	16.8	X	248.04538	136.54468	169.06484	5.79483	0.1934186	0.25781299	2.4449286	20	2 25.1	20.6
213602 2002 PZ_{62}	16.1	X	95.77117	175.22584	119.88001	4.05207	0.1956446	0.23396824	2.6083434	20	12 21.5	20.3
213603 2002 PM_{74}	16.2	X	199.42240	99.89719	238.51867	5.58294	0.1400342	0.25330608	2.4738440	20	2 21.3	20.1
213604 2002 PU_{86}	16.6	X	314.19073	319.24416	329.42546	4.79226	0.2268382	0.26622675	2.3931408	20	4 13.0	19.1
213605 2002 PU_{94}	16.6	X	226.97265	237.55658	72.96937	3.92850	0.1879554	0.25419286	2.4680871	20	2 15.4	20.6
213606 2002 PA_{102}	15.6	X	73.44657	190.62064	184.61896	10.40258	0.0632881	0.18518062	3.0484029	20	—	—
213607 2002 PL_{103}	16.1	X	350.74316	214.09897	166.93488	12.24775	0.1981856	0.22640937	2.6660796	20	12 2.7	19.1
213608 2002 PB_{120}	16.8	X	306.51625	24.24281	273.75380	3.08575	0.1958230	0.26560747	2.3968592	20	4 20.7	19.7
213609 2002 PL_{121}	16.2	X	82.37462	158.64644	168.04410	15.59636	0.1396539	0.23370852	2.6102755	20	—	—
213610 2002 PR_{121}	17.0	X	24.85728	89.78668	235.10668	4.76346	0.1681714	0.28048829	2.3113172	20	11 19.6	19.5
213611 2002 PX_{156}	17.6	X	254.00082	321.09720	343.37902	0.70676	0.1878368	0.25921987	2.4360742	20	3 1.0	21.5
213612 2002 PF_{169}	17.2	X	139.42987	333.29094	338.49577	1.22416	0.0359413	0.24068961	2.5595552	20	—	—
213613 2002 PS_{169}	16.5	X	320.96372	234.31538	330.06332	6.06363	0.0723070	0.25283205	2.4769351	20	1 27.3	19.5
213614 2002 PP_{178}	16.5	X	290.91074	120.58966	151.53693	6.38961	0.1087783	0.26023215	2.4297528	20	3 10.6	19.7
213615 2002 PX_{182}	16.6	X	256.61253	220.51792	67.48269	7.09162	0.1324230	0.25641400	2.4538135	20	2 20.3	20.3
213616 2002 PW_{187}	16.4	X	75.63057	272.82611	109.60291	3.87554	0.0881030	0.24244537	2.5471828	20	—	—
213617 2002 QU_{14}	17.0	X	324.70787	103.87316	173.16302	8.57598	0.1992150	0.26593672	2.3948805	20	4 24.5	19.3
213618 2002 QK_{23}	16.6	X	89.85607	331.72105	341.35547	1.99334	0.1167160	0.23325572	2.6136525	20	—	—
213619 2002 QZ_{26}	16.9	X	5.90958	255.39546	110.11925	3.32732	0.0986604	0.22748450	2.6576728	20	11 23.0	20.1
213620 2002 QX_{27}	16.8	X	273.91167	196.64669	67.23942	3.67798	0.0482299	0.25479373	2.4642053	20	2 17.2	20.1
213621 2002 QH_{49}	16.4	X	180.51474	260.51460	115.28853	8.01746	0.2343146	0.25513546	2.4620045	20	3 29.5	20.7
213622 2002 QZ_{54}	16.7	X	44.91394	353.26663	27.04513	3.08370	0.0244761	0.23553378	2.5967726	20	—	—
213623 2002 QE_{55}	17.4	X	68.24133	60.71574	339.34221	2.77553	0.1638061	0.24050377	2.5608735	20	—	—
213624 2002 QW_{55}	17.4	X	297.75052	140.49584	159.42572	1.64752	0.1821855	0.26446298	2.4037693	20	4 14.7	20.2
213625 2002 QH_{56}	17.4	X	273.23405	152.62065	120.29539	3.18819	0.2020309	0.25738788	2.4476200	20	2 8.7	21.2
213626 2002 QX_{58}	17.4	X	292.02815	77.73833	199.48748	3.38111	0.2025639	0.26093580	2.4253827	20	3 3.2	20.6
213627 2002 QZ_{61}	17.5	X	288.98252	46.67205	228.12524	3.74019	0.1217676	0.25916436	2.4364221	20	3 7.2	20.8
213628 2002 QQ_{65}	16.6	X	245.49234	190.13795	147.61721	6.69622	0.1179981	0.26279517	2.4139288	20	4 12.3	20.0
213629 Binford	17.2	X	184.23447	281.35617	352.56115	2.96118	0.0661668	0.24272236	2.5452446	20	—	—
213630 2002 QR_{73}	17.0	X	285.95830	280.21083	13.72179	6.08540	0.1865869	0.26194016	2.4191789	20	3 21.9	20.4
213631 2002 QQ_{78}	17.3	X	314.69435	287.98704	358.96655	5.23510	0.2307262	0.26641554	2.3920101	20	4 11.7	19.7
213632 2002 QS_{100}	15.3	X	113.44249	323.52445	13.27472	9.64396	0.0490231	0.18569223	3.0428010	20	—	—
213633 2002 QX_{108}	16.4	X	285.10506	288.52480	196.53985	6.80566	0.1998351	0.23229337	2.6208662	20	12 13.9	19.0
213634 2002 QO_{115}	17.4	X	282.05985	123.27946	147.90143	2.06112	0.1578816	0.25808314	2.4432222	20	2 20.2	20.9
213635 2002 QZ_{120}	16.9	X	261.68449	163.09051	106.87243	3.42021	0.1832431	0.25455705	2.4657325	20	1 27.0	20.7
213636 Gajdoš	16.3	X	316.67330	60.46694	7.17310	5.98499	0.1133313	0.22691875	2.6620883	20	11 24.9	19.3
213637 Lemarchal	16.6	X	335.64082	283.20486	162.91085	4.44691	0.1006641	0.23422494	2.6064374	20	—	—
213638 2002 RU_{22}	16.7	X	141.83651	208.28169	145.71987	3.10616	0.1599649	0.24512308	2.5285987	20	1 20.1	20.4
213639 2002 RF_{38}	16.9	X	175.31481	283.45742	68.37402	2.50997	0.2366169	0.25103936	2.4887131	20	2 23.5	21.0
213640 2002 RA_{62}	16.4	X	271.52547	310.92846	19.70721	10.27148	0.3232445	0.26206994	2.4183802	20	4 6.2	20.2
213641 2002 RP_{67}	15.1	X	100.76343	93.51867	312.17811	9.25308	0.1182316	0.18794732	3.0184127	20	2 7.9	19.3
213642 2002 RH_{83}	16.6	X	103.33702	193.74401	174.78441	9.36128	0.2165350	0.23960238	2.5672922	20	1 1.3	20.0
213643 2002 RR_{90}	16.3	X	93.56152	26.89679	348.86620	4.46453	0.0725073	0.23932466	2.5692779	20	—	—
213644 2002 RW_{103}	16.1	X	129.90119	286.45533	7.19693	11.98144	0.2830551	0.23492675	2.6012439	20	—	—
213645 2002 RE_{104}	16.5	X	103.48189	337.23227	31.41754	5.29730	0.2737860	0.23824884	2.5770065	20	1 12.3	19.8
213646 2002 RK_{109}	16.1	X	60.54396	238.21635	174.48195	14.85270	0.0845367	0.24063543	2.5599393	20	—	—
213647 2002 RY_{116}	16.1	X	51.30440	325.60988	320.74591	11.14501	0.1837984	0.22547869	2.6734109	20	10 19.3	20.0
213648 2002 RU_{126}	17.0	X	284.34188	226.37873	104.03384	5.90469	0.2397045	0.26570876	2.3962500	20	5 1.9	20.1
213649 2002 RX_{133}	15.4	X	301.00969	70.63502	15.90382	22.30198	0.0356024	0.22713592	2.6603912	20	11 22.1	19.2
213650 2002 RF_{135}	16.1	X	256.04318	132.07415	134.12382	7.71660	0.1490650	0.25174275	2.4840752	20	1 19.4	20.0
213651 2002 RA_{183}	15.5	X	263.87361	286.68392	266.35862	13.25898	0.0467247	0.23789492	2.5795618	20	—	—
213652 2002 RK_{184}	15.5	X	224.45294	125.56118	313.04150	12.29368	0.1185104	0.21198042	2.7857291	20	7 28.5	19.7
213653 2002 RJ_{197}	17.4	X	238.53650	287.37271	37.38258	1.98278	0.1513223	0.25650761	2.4532165	20	3 15.2	21.0
213654 2002 RL_{209}	16.6	X	259.30728	253.08887	180.87601	8.90719	0.1296987	0.21594665	2.7515141	20	8 30.1	20.3
213655 2002 RT_{215}	16.5	X	168.37832	209.83500	112.17888	7.56102	0.1937517	0.24517225	2.5282606	20	1 10.3	20.6
213656 2002 RA_{235}	17.3	X	280.54217	83.20314	210.97098	1.52672	0.1698667	0.26034953	2.4290224	20	3 16.9	20.6
213657 2002 RK_{243}	17.0	X	325.63478	25.36384	216.43664	7.54048	0.2196310	0.26207553	2.4183458	20	2 24.9	19.8
213658 2002 RR_{243}	16.1	X	307.12274	9.27159	164.65465	15.40356	0.0585349	0.24520617	2.5280275	20	—	—
213659 2002 RL_{250}	16.6	X	292.14336	169.92072	86.29692	3.81538	0.1505635	0.25687979	2.4508464	20	2 15.1	19.9
213660 2002 SN_{4}	15.9	X	285.19320	74.65001	7.27031	12.42907	0.1426575	0.22038781	2.7144239	20	10 15.9	19.2
213661 2002 SL_{8}	17.6	X	118.42199	24.41418	188.67794	23.29612	0.0393513	0.38466931	1.8724534	20	10 21.9	19.5
213662 2002 SG_{11}	16.3	X	125.17767	303.94799	11.98296	15.04446	0.1514313	0.23564258	2.5959732	20	—	—
213663 2002 SO_{46}	15.4	X	80.00769	308.34838	39.51925	19.30422	0.2251534	0.23147670	2.6270269	20	—	—
213664 2002 SS_{49}	17.0	X	257.42739	260.71767	52.81681	5.32580	0.2014353	0.25681957	2.4512295	20	3 17.2	20.8
213665 2002 SS_{50}	16.1	X	270.74680	212.31664	193.58040	7.75947	0.2214152	0.21111384	2.7933472	20	7 23.7	20.0
213666 2002 SD_{60}	15.2	X	120.01565	333.57192	20.59888	12.40695	0.0657385	0.18695386	3.0290964	20	—	—
213667 2002 TF_{9}	16.5	X	20.08507	300.70111	83.32670	3.48329	0.1607596	0.22894000	2.6463966	20	—	—
213668 2002 TP_{23}	16.5	X	35.16884	192.54350	176.01061	4.60320	0.0936516	0.22775730	2.6555502	20	—	—
213669 2002 TD_{38}	15.8	X	113.30410	136.19844	208.14530	21.49924	0.0755145	0.23420627	2.6065759	20	—	—
213670 2002 TQ_{38}	16.3	X	67.13221	160.74269	219.14052	4.14662	0.1696900	0.23235057	2.6204360	20	—	—
213671 2002 TK_{41}	16.7	X	161.75614	43.72372	50.16198	24.23099	0.1003423	0.36602884	1.9354971	20	6 8.7	19.4
213672 2002 TZ_{41}	16.5	X	21.90249	177.14395	195.52949	9.44225	0.1560524	0.22510843	2.6763416	20	12 31.3	20.1
213673 2002 TT_{54}	16.1	X	85.62581	328.73055	39.00252	12.61499	0.1945426	0.23392720	2.6086485	20	—	—
213674 2002 TQ_{58}	15.9	X	345.72962	3.89420	7.61196	12.50285	0.0904324	0.21909928	2.7250559	20	10 23.3	19.2
213675 2002 TK_{60}	17.1	X	202.54164	72.09900	26.70402	22.13076	0.0841759	0.37926927	1.8901849	20	8 31.9	19.7
213676 2002 TC_{66}	16.4	X	4.20414	192.89045	204.20372	3.09171	0.1394459	0.22554666	2.6728738	20	—	—
213677 2002 TX_{66}	17.0	X	135.23799	15.01510	51.36430	22.62874	0.0918888	0.36193221	1.9500746	20	4 9.8	19.5
213678 2002 TD_{81}	15.9	X	296.52873	349.66471	95.12368	6.23330	0.1378552	0.22080460	2.7110070	20	11 13.3	18.9
213679 2002 TP_{94}	15.8	X	232.34819	194.85629	1.59609	13.28800	0.1270911	0.23322662	2.6138699	20	—	—
213680 2002 TD_{107}	16.1	X	134.48977	112.60142	213.94034	10.08457	0.1068566	0.23524058	2.5989298	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
213681 2002 TF_{109}	16.3	X	264.68293	6.87295	26.96701	4.63748	0.0748046	0.21140402	2.7907904	20	7 25.6	20.1
213682 2002 TX_{111}	16.9	X	264.92895	251.72246	62.91684	4.35668	0.1845340	0.25977858	2.4325801	20	3 27.1	20.4
213683 2002 TA_{113}	16.1	X	50.04012	18.21929	15.71265	10.33767	0.1041130	0.23527015	2.5987121	20	—	—
213684 2002 TH_{142}	16.8	X	154.42932	183.70428	158.31173	4.14296	0.1487013	0.24436427	2.5338306	20	1 17.1	20.6
213685 2002 TM_{180}	17.2	X	60.08111	32.58248	220.69502	20.36864	0.0235441	0.38056575	1.8858895	20	9 15.1	19.5
213686 2002 TX_{209}	16.0	X	283.95330	201.62614	169.90816	12.52871	0.0776928	0.21017264	2.8016804	20	7 18.5	19.9
213687 2002 TL_{210}	16.7	X	153.04954	312.38734	34.10489	5.77082	0.2089780	0.24343045	2.5403064	20	1 29.2	20.8
213688 2002 TU_{221}	16.4	X	79.07797	288.21867	216.38362	20.16844	0.0598068	0.36980842	1.9222868	20	4 28.3	17.9
213689 2002 TG_{226}	15.8	X	161.49659	149.95903	202.95135	17.32250	0.2129635	0.24296764	2.5435313	20	2 7.2	20.3
213690 2002 TH_{229}	15.3	X	300.56073	195.46361	185.26045	13.93245	0.2052790	0.21106937	2.7937395	20	8 5.2	18.8
213691 2002 TA_{231}	16.3	X	148.01659	258.46530	79.38978	7.48814	0.2402001	0.24414036	2.5353796	20	1 15.8	20.3
213692 2002 TP_{245}	16.8	X	92.31850	181.64621	178.26758	4.27710	0.1999344	0.23537843	2.5979150	20	—	—
213693 2002 TS_{248}	16.1	X	295.32243	268.93419	81.87885	1.76852	0.0844752	0.21094290	2.7948561	20	7 7.5	19.7
213694 2002 TW_{256}	16.1	X	260.75455	39.92552	41.03878	8.38935	0.1938781	0.21357319	2.7718617	20	9 6.1	20.0
213695 2002 TY_{256}	15.8	X	38.78718	338.95412	40.25369	11.41719	0.1514539	0.22850201	2.6497772	20	—	—
213696 2002 TJ_{267}	15.4	X	59.79169	312.12886	38.77822	30.01544	0.2184356	0.22682064	2.6628560	20	—	—
213697 2002 TM_{270}	16.0	X	314.37003	205.80827	248.57793	4.62865	0.0496590	0.22737373	2.6585358	20	12 28.5	19.2
213698 2002 TA_{275}	16.1	X	179.35060	346.00651	346.16869	2.70465	0.1813740	0.24517279	2.5282569	20	1 31.9	20.3
213699 2002 TU_{277}	15.3	X	19.99488	74.95091	345.18480	25.32662	0.2727891	0.17490281	3.1666849	20	—	—
213700 2002 TB_{288}	16.5	X	163.33857	223.73967	225.33855	19.60858	0.0948537	0.36747423	1.9304184	20	6 7.6	19.0
213701 2002 TV_{288}	16.1	X	96.20605	343.54825	19.11120	13.78973	0.2152275	0.23456439	2.6039221	20	—	—
213702 2002 TL_{297}	16.2	X	73.42861	328.53755	24.71180	5.74891	0.0999274	0.22968272	2.6406885	20	—	—
213703 2002 TQ_{357}	16.7	X	0.56797	185.19363	203.08657	2.40971	0.0728675	0.22672182	2.6636296	20	12 11.1	19.9
213704 2002 TJ_{368}	16.7	X	205.83467	207.23936	96.79337	9.15696	0.0917313	0.24436479	2.5338270	20	1 20.0	20.5
213705 2002 TQ_{377}	17.0	X	252.47693	23.99261	166.14920	1.31289	0.0853451	0.23540699	2.5977049	20	—	—
213706 2002 UZ	15.8	X	165.54814	259.55209	68.35437	12.76762	0.1649754	0.24430643	2.5342305	20	1 13.8	19.8
213707 2002 UF_{17}	16.8	X	55.23998	6.98888	62.30458	3.09882	0.2052344	0.23575575	2.5951424	20	—	—
213708 2002 UZ_{25}	16.1	X	216.06516	78.76127	33.24111	6.37608	0.0724498	0.21201824	2.7853978	20	9 7.2	20.2
213709 2002 UP_{35}	16.4	X	148.18486	276.13685	40.57721	7.59611	0.2060340	0.23748283	2.5825451	20	—	—
213710 2002 UK_{38}	16.5	X	314.42258	328.74978	28.07659	8.48279	0.2346290	0.21224188	2.7834408	20	7 30.6	19.4
213711 2002 UQ_{38}	16.7	X	137.02506	298.07975	41.99279	9.53305	0.1786785	0.23825221	2.5769822	20	1 1.7	20.6
213712 2002 UM_{64}	17.0	X	315.19735	298.52072	189.86785	2.05909	0.0200092	0.23456535	2.6039151	20	—	—
213713 2002 US_{67}	16.7	X	210.68601	168.33401	56.34720	7.70399	0.1524916	0.23389683	2.6088743	20	—	—
213714 2002 VP_{9}	15.6	X	154.54004	98.21644	266.84678	7.16501	0.1897708	0.18886870	3.0085880	20	2 20.3	20.7
213715 2002 VY_{13}	16.6	X	289.78160	262.77291	70.69276	24.06823	0.0581693	0.37053437	1.9197752	20	6 10.3	18.1
213716 2002 VG_{15}	17.2	X	110.29349	84.10539	52.80788	21.89497	0.0680632	0.36624093	1.9347497	20	6 3.3	19.3
213717 2002 VO_{19}	15.4	X	35.10536	43.84288	55.37998	11.18413	0.0734268	0.18089734	3.0963349	20	1 12.7	19.5
213718 2002 VW_{38}	15.7	X	46.88342	305.35371	73.10232	15.05824	0.0881762	0.22796985	2.6538993	20	—	—
213719 2002 VK_{46}	16.5	X	1.82086	303.31509	118.75553	3.53691	0.0775753	0.22673627	2.6635164	20	—	—
213720 2002 VP_{48}	15.8	X	132.98730	270.28605	69.78521	12.62386	0.1946732	0.23585963	2.5943803	20	—	—
213721 2002 VX_{51}	16.1	X	265.33433	308.09140	130.24680	5.44204	0.1402492	0.21401909	2.7680103	20	9 14.6	19.7
213722 2002 VR_{52}	16.0	X	14.40314	335.92849	18.10106	4.34964	0.1563905	0.22076423	2.7113374	20	11 25.3	19.3
213723 2002 VC_{56}	16.1	X	77.31583	304.66098	73.89000	9.68306	0.1743362	0.23361789	2.6109506	20	—	—
213724 2002 VU_{63}	15.5	X	246.27450	162.05804	283.18657	5.36904	0.0691070	0.21119545	2.7926275	20	9 4.3	19.5
213725 2002 VV_{74}	16.1	X	281.32599	248.86872	169.07472	4.75705	0.0612652	0.21377796	2.7700914	20	9 20.4	19.5
213726 2002 VJ_{80}	16.2	X	326.67181	320.68021	78.91578	10.09965	0.1791457	0.21739775	2.7392564	20	11 6.0	19.0
213727 2002 VF_{92}	16.3	X	261.53253	242.03338	207.58879	3.39734	0.0597673	0.21595510	2.7514422	20	10 4.6	20.0
213728 2002 VV_{92}	16.0	X	96.48132	157.12132	205.75011	6.99617	0.1986640	0.23420779	2.6065646	20	—	—
213729 2002 VQ_{117}	17.1	X	39.00843	219.52126	50.51210	21.68046	0.0523967	0.37881655	1.8916905	20	10 5.3	19.3
213730 2002 VT_{123}	16.5	X	328.38100	311.39583	51.24790	4.78974	0.1135544	0.21363464	2.7713302	20	9 16.6	19.7
213731 2002 VM_{124}	16.0	X	243.96013	267.16367	194.16082	8.15380	0.1104238	0.21268509	2.7795726	20	9 18.1	19.8
213732 2002 VS_{125}	15.0	X	343.41681	136.48926	20.14984	9.18833	0.2493323	0.17698774	3.1417667	20	—	—
213733 2002 VB_{136}	16.1	X	126.67108	45.45654	26.48746	5.36447	0.1425443	0.18999370	2.9966999	20	4 12.6	20.5
213734 2002 VC_{136}	14.9	X	144.46905	191.76606	254.98569	17.02042	0.2383541	0.19626793	2.9324896	20	5 23.7	19.9
213735 2002 VL_{142}	16.5	X	308.64441	253.94208	143.59845	2.91621	0.1056540	0.21522361	2.7576730	20	9 30.6	19.6
213736 2002 VQ_{145}	16.7	X	282.33546	269.02631	116.20238	0.52447	0.0808790	0.20909797	2.8112718	20	8 4.9	20.3
213737 2002 WA_{2}	16.8	X	104.80051	170.79804	191.28094	2.42925	0.2004494	0.23507826	2.6001260	20	—	—
213738 2002 WA_{4}	16.2	X	86.05594	139.80283	216.94295	4.47521	0.1496912	0.22996130	2.6385554	20	—	—
213739 2002 WR_{6}	15.5	X	11.14810	229.73067	33.22853	6.79185	0.0167922	0.20231878	2.8737253	20	7 3.7	19.4
213740 2002 WY_{21}	16.2	X	143.28728	193.85724	112.43089	4.90712	0.0823188	0.23110081	2.6298748	20	—	—
213741 2002 WR_{28}	16.1	X	215.24451	302.01802	201.22216	4.38411	0.0369445	0.21620147	2.7493516	20	10 18.4	19.7
213742 2002 WC_{29}	16.2	X	221.38479	82.84668	36.31019	4.92040	0.0226122	0.21220559	2.7837581	20	9 27.8	20.1
213743 2002 XL_{3}	15.7	X	140.24205	213.52415	216.31192	8.48376	0.0847367	0.19085528	2.9876744	20	4 18.1	20.2
213744 2002 XT_{10}	15.7	X	6.80304	135.86581	207.66609	7.00311	0.0319384	0.21351009	2.7724078	20	10 14.7	19.3
213745 2002 XD_{46}	16.8	X	291.80037	272.61135	99.44364	24.91228	0.1916484	0.37410393	1.9075439	20	8 2.9	18.1
213746 2002 XX_{47}	16.3	X	326.83063	16.92466	31.54192	5.61105	0.1457299	0.21753157	2.7381329	20	11 14.5	19.2
213747 2002 XR_{48}	15.8	X	217.61553	91.40163	66.50765	12.35791	0.0247534	0.21646129	2.7471512	20	11 12.3	19.6
213748 2002 XE_{50}	15.6	X	150.62953	262.24226	63.15431	11.97274	0.1694421	0.23492407	2.6012636	20	—	—
213749 2002 XB_{62}	15.5	X	171.74861	243.97612	59.65669	28.20718	0.2151914	0.23624024	2.5915930	20	—	—
213750 2002 XE_{66}	14.9	X	42.31356	82.03192	46.76979	26.04852	0.3082421	0.17532149	3.1616415	20	4 8.1	18.4
213751 2002 XS_{66}	15.9	X	167.80870	67.65066	253.59981	3.88298	0.3128679	0.24002645	2.5642674	20	1 16.3	20.4
213752 2002 XM_{79}	15.3	X	136.62523	30.15953	63.98885	5.74928	0.2069653	0.19035889	2.9928660	20	5 24.5	20.1
213753 2002 XX_{115}	15.5	X	195.87720	1.20224	30.54418	7.11525	0.0930643	0.18265314	3.0764601	20	4 29.9	20.3
213754 2002 YX_{18}	15.7	X	288.50473	329.88102	101.44614	9.23825	0.2177478	0.21349600	2.7725298	20	10 1.9	18.9
213755 2003 AM_{2}	16.6	X	343.11824	344.92350	274.00193	17.55176	0.0559536	0.36008825	1.9567263	20	5 10.3	18.7
213756 2003 AX_{23}	15.6	X	74.07944	346.87383	98.68991	9.02365	0.2921942	0.18081992	3.0972186	20	3 25.4	19.7
213757 2003 AA_{50}	14.9	X	18.60526	31.53114	102.70105	17.39152	0.0867490	0.17578997	3.1560218	20	2 2.6	19.0
213758 2003 AB_{51}	15.7	X	87.33161	184.08857	340.26632	2.96295	0.1411088	0.18943684	3.0025696	20	6 23.3	19.9
213759 2003 AE_{60}	15.1	X	51.19717	282.84943	104.78062	13.61845	0.2761041	0.22369783	2.6875808	20	—	—
213760 2003 AE_{65}	15.6	X	37.77166	335.83715	44.13358	10.16933	0.2894499	0.22361852	2.6882163	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
213761 2003 AB_{66}	15.3	X	38.93808	338.81374	58.89467	10.42001	0.3179140	0.22595481	2.6696541	20	—	—
213762 2003 AW_{66}	15.3	X	98.75614	30.63519	72.47803	13.15771	0.1593681	0.18376296	3.0640609	20	4 27.1	19.8
213763 2003 AX_{79}	14.7	X	79.88597	61.43079	80.14463	17.51602	0.2867909	0.18337345	3.0683984	20	6 6.0	19.1
213764 2003 AQ_{80}	15.4	X	14.39609	105.74277	54.27570	21.85382	0.2085348	0.17377742	3.1803420	20	3 11.7	19.2
213765 2003 BD_{25}	14.3	X	5.65800	280.26677	301.70390	20.33316	0.2176895	0.18013398	3.1050763	20	4 22.9	18.0
213766 2003 BS_{53}	15.2	X	358.99620	282.88945	294.60443	14.64569	0.1895822	0.18046365	3.1012936	20	4 3.8	18.9
213767 2003 CF_{19}	15.3	X	78.38986	1.62395	140.36329	10.20974	0.0994650	0.18330273	3.0691876	20	5 11.4	19.7
213768 2003 CK_{20}	15.7	X	104.29802	262.29281	190.94405	4.68526	0.1561615	0.18091113	3.0961776	20	4 16.9	20.2
213769 2003 CJ_{25}	15.7	X	17.24929	38.32368	184.10672	19.02535	0.1762020	0.18040341	3.1019840	20	5 29.5	19.5
213770 Fignon	15.9	X	59.45765	124.80395	97.13465	7.82048	0.1654511	0.19219505	2.9737737	20	8 6.8	19.9
213771 Johndee	15.9	X	27.64333	4.71396	150.03988	1.53752	0.1529228	0.17511251	3.1641563	20	3 14.8	19.4
213772 2003 DF_{13}	15.3	X	341.55080	58.34002	150.15711	6.02434	0.1081874	0.17488080	3.1669507	20	3 9.0	19.3
213773 2003 DL_{13}	14.9	X	3.75331	263.30122	307.60528	14.19491	0.1694876	0.17861281	3.1226812	20	4 5.4	18.7
213774 2003 DK_{15}	14.7	X	126.83732	54.57564	23.24665	26.48086	0.1185001	0.18059077	3.0998381	20	4 16.2	19.4
213775 2003 DK_{17}	15.5	X	24.73130	36.53845	137.78620	12.95779	0.0774798	0.17719197	3.1393521	20	4 4.9	19.7
213776 2003 DZ_{18}	15.0	X	119.86844	273.44474	138.00352	16.00237	0.1485678	0.17758409	3.1347291	20	3 16.6	19.8
213777 2003 EN_{10}	15.2	X	24.97126	288.30231	242.51289	3.76058	0.1255259	0.17580817	3.1558039	20	3 27.7	19.0
213778 2003 EE_{12}	15.3	X	94.64314	303.09754	162.31086	13.36012	0.1049757	0.17866210	3.1221068	20	4 16.6	19.8
213779 2003 EP_{14}	15.4	X	87.76607	50.39365	123.08058	10.76799	0.0856066	0.18699776	3.0286223	20	6 27.8	19.8
213780 2003 EW_{37}	14.9	X	23.78308	144.22716	41.58315	18.34999	0.1230406	0.17719521	3.1393138	20	4 19.2	18.7
213781 2003 EB_{52}	15.0	X	12.79815	179.30658	11.03718	17.46825	0.1363891	0.17551667	3.1592971	20	4 2.9	18.5
213782 2003 EV_{59}	14.7	X	29.21749	147.72977	45.50315	20.07361	0.0868468	0.17885638	3.1198455	20	5 2.8	18.5
213783 2003 FF	16.1	X	23.67532	107.81661	28.49489	6.24212	0.1325524	0.17210709	3.2008860	20	2 15.2	19.9
213784 2003 FY_{4}	15.4	X	41.78207	347.38147	180.92318	18.68821	0.0563134	0.17608536	3.1524912	20	4 18.1	19.7
213785 2003 FZ_{4}	15.1	X	333.98297	224.65548	28.60533	14.72294	0.1594892	0.17776222	3.1326346	20	4 17.4	18.8
213786 2003 FJ_{5}	14.7	X	295.84476	246.50405	18.74124	13.64828	0.1292439	0.17396554	3.1780488	20	3 16.8	19.2
213787 2003 FC_{11}	15.3	X	75.15297	305.40143	178.55124	11.00043	0.1195454	0.17539054	3.1608116	20	4 15.7	19.6
213788 2003 FF_{11}	15.8	X	312.47589	129.44777	179.47206	11.90913	0.2154696	0.18004718	3.1060743	20	5 19.7	19.8
213789 2003 FF_{27}	15.6	X	248.10912	136.38952	196.35914	4.20790	0.1074595	0.17741794	3.1366859	20	4 12.2	20.1
213790 2003 FG_{31}	15.4	X	301.12994	148.02585	178.67493	4.81477	0.0755018	0.18432749	3.0578017	20	6 13.9	19.5
213791 2003 FP_{31}	15.9	X	327.72959	51.03064	178.00650	5.30223	0.0654442	0.17317088	3.1877639	20	3 18.9	20.2
213792 2003 FJ_{42}	14.4	X	311.73856	248.32650	9.17269	22.04778	0.1000461	0.17588419	3.1548946	20	3 28.5	18.6
213793 2003 FT_{43}	15.1	X	256.64840	263.95005	24.31578	5.02321	0.1072322	0.16898197	3.2402297	20	3 1.5	20.1
213794 2003 FT_{51}	15.5	X	345.71332	198.20057	27.81433	11.24829	0.1684798	0.17435620	3.1732999	20	4 2.9	19.1
213795 2003 FA_{58}	15.4	X	314.35956	163.25749	133.92808	4.03650	0.0845601	0.18168492	3.0873803	20	5 24.6	19.4
213796 2003 FH_{90}	15.2	X	342.41498	2.81786	234.93366	9.65463	0.1590700	0.17579317	3.1559834	20	4 8.9	19.1
213797 2003 FN_{95}	15.1	X	8.01886	21.81626	225.15178	9.09591	0.0473385	0.18294331	3.0732062	20	6 8.2	19.2
213798 2003 FK_{100}	15.3	X	59.30447	12.08645	124.03670	6.76234	0.0964936	0.17468407	3.1693279	20	4 7.4	19.5
213799 2003 FK_{116}	15.3	X	342.08694	40.73194	154.75196	6.90892	0.1102974	0.17118016	3.2124307	20	2 21.8	19.2
213800 Stefanwul	15.3	X	43.83380	75.44535	102.64880	11.48922	0.0550193	0.17850403	3.1239497	20	5 5.5	19.6
213801 2003 GZ_{7}	14.8	X	282.01602	89.46727	181.49867	14.76707	0.0345912	0.17193501	3.2030213	20	3 15.9	19.3
213802 2003 GP_{14}	15.7	X	19.14027	134.64646	30.23533	14.24372	0.1744052	0.17317025	3.1877715	20	3 19.2	19.3
213803 2003 GC_{17}	14.7	X	74.70379	48.94731	63.97295	18.04499	0.3751646	0.17783246	3.1318097	20	5 9.9	19.2
213804 2003 GE_{17}	14.4	X	14.77355	26.21947	162.22711	29.50706	0.1563992	0.17243934	3.1967731	20	4 9.5	18.4
213805 2003 GP_{22}	14.5	X	328.30543	119.33498	149.03148	26.37620	0.2610020	0.17634092	3.1494447	20	4 20.8	18.5
213806 2003 GT_{35}	15.6	X	23.04517	105.91414	85.31101	11.93615	0.1730913	0.17710725	3.1403532	20	4 30.1	19.3
213807 2003 GY_{41}	15.4	X	25.79338	112.88910	53.06020	16.51398	0.1689425	0.17554452	3.1589629	20	4 4.0	19.2
213808 2003 HO_{10}	17.2	X	58.73937	111.48039	177.44431	7.93427	0.1950490	0.30504085	2.1855666	20	11 23.4	20.3
213809 2003 HA_{15}	15.2	X	305.11652	166.04415	105.22012	6.41590	0.1788732	0.17225382	3.1990681	20	3 28.5	19.5
213810 2003 HG_{42}	15.1	X	36.83892	41.22444	139.32838	11.59350	0.0968103	0.17532149	3.1616415	20	5 2.7	19.3
213811 2003 MA_{4}	16.2	X	296.16071	115.10853	233.89931	4.33128	0.1819676	0.28530670	2.2852203	20	6 23.5	18.4
213812 2003 NE	16.9	X	46.98491	231.21491	117.49894	7.80810	0.3261215	0.30220573	2.1992145	20	—	—
213813 2003 PW_{12}	16.8	X	221.47017	255.16375	126.61328	3.38276	0.1827692	0.27768834	2.3268280	20	5 8.2	20.4
213814 2003 QY_{18}	17.2	X	219.57561	227.16655	148.91395	2.39995	0.2224119	0.27546424	2.3393358	20	4 26.8	21.0
213815 2003 QB_{20}	16.3	X	311.95189	236.57770	132.57776	7.29068	0.1981317	0.28895832	2.2659270	20	8 31.5	17.7
213816 2003 QQ_{21}	16.3	X	16.73670	202.18395	102.14087	5.64290	0.1224511	0.29083671	2.2561600	20	10 6.2	18.6
213817 2003 QF_{24}	16.8	X	325.88712	221.07804	166.66077	7.31562	0.1459330	0.29545616	2.2325817	20	11 10.9	18.6
213818 2003 QV_{26}	16.3	X	288.58495	358.73441	338.90285	5.19074	0.1896578	0.28007111	2.3136119	20	5 21.5	19.0
213819 2003 QG_{32}	16.9	X	192.50127	37.20485	332.28847	6.40123	0.1225253	0.27121853	2.3636861	20	3 23.5	20.4
213820 2003 QG_{49}	16.9	X	50.01211	286.49102	353.05942	7.10232	0.1217636	0.29489174	2.2354295	20	10 15.4	19.7
213821 2003 QO_{52}	17.0	X	315.16075	295.56307	4.98117	4.55055	0.2335756	0.28366981	2.2940029	20	5 1.4	19.0
213822 2003 QZ_{55}	16.5	X	270.41470	261.48720	119.83183	6.35913	0.1858347	0.28376383	2.2934962	20	6 30.7	19.1
213823 2003 QT_{62}	16.6	X	13.39929	167.62881	136.48301	8.04130	0.1660756	0.29119090	2.2543301	20	10 7.7	18.8
213824 2003 QD_{63}	16.9	X	261.94995	230.41875	132.19439	3.64534	0.1679869	0.27946903	2.3169336	20	5 27.1	20.0
213825 2003 QW_{63}	16.1	X	225.52310	332.62982	38.17124	5.74103	0.2451627	0.27272206	2.3549907	20	4 23.4	19.9
213826 2003 QK_{65}	15.3	X	57.22107	315.72150	1.23363	9.95505	0.0814890	0.18229370	3.0805029	20	11 13.5	19.8
213827 2003 QN_{75}	16.5	X	3.58287	88.04291	249.06320	3.14049	0.1902245	0.29414510	2.2392107	20	11 10.3	18.4
213828 2003 QU_{75}	16.6	X	11.95145	133.51088	213.37781	4.85264	0.1964771	0.29650770	2.2273001	20	12 10.9	18.9
213829 2003 QN_{76}	16.7	X	50.87665	82.22083	231.53082	3.23586	0.2050001	0.29909604	2.2144316	20	12 15.7	19.8
213830 2003 QY_{84}	17.2	X	287.13517	140.26810	230.82899	1.93256	0.1673459	0.28614566	2.2807513	20	7 14.8	19.5
213831 2003 QG_{92}	16.8	X	264.72844	152.02059	190.07730	6.03419	0.1449218	0.27776655	2.3263912	20	5 5.5	19.8
213832 2003 QM_{94}	16.7	X	74.97634	181.35448	102.23977	7.45772	0.1828663	0.30006681	2.2096530	20	11 30.4	19.9
213833 2003 QN_{101}	16.5	X	249.77418	34.86948	351.15943	6.55958	0.1358285	0.28140681	2.3062851	20	6 17.3	19.7
213834 2003 QD_{103}	15.9	X	118.86065	258.03282	140.24682	2.83035	0.0934274	0.20487530	2.8497690	20	2 15.6	19.9
213835 2003 QZ_{110}	17.3	X	54.29605	307.33763	25.03505	5.90415	0.1837619	0.30252939	2.1976457	20	—	—
213836 2003 RQ_{12}	17.0	X	153.53690	276.19811	135.24885	2.79658	0.2006171	0.26844435	2.3799429	20	4 15.5	20.7
213837 2003 RR_{15}	15.6	X	36.92496	300.79591	287.60805	23.49314	0.0952543	0.27957801	2.3163315	20	7 6.6	18.0
213838 2003 RF_{27}	17.3	X	54.56454	94.90125	210.39195	2.38146	0.1930085	0.29687740	2.2254506	20	12 7.1	20.2
213839 2003 SM_{3}	17.0	X	11.71531	80.86440	202.18663	2.95848	0.1621439	0.28651220	2.2788057	20	8 24.4	18.9
213840 2003 SU_{5}	16.9	X	237.10132	158.32017	200.31073	4.07372	0.2393567	0.27544467	2.3394466	20	4 18.1	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
213841 2003 SV_{7}	16.8	X	244.69662	135.77622	253.24033	3.06013	0.1132099	0.28046131	2.3114655	20	6 18.4	19.9
213842 2003 SM_{8}	17.5	X	77.75063	264.03056	196.54944	2.82502	0.1090779	0.26284404	2.4136296	20	3 6.9	20.2
213843 2003 SE_{13}	17.2	X	165.83241	288.27029	133.81938	1.65706	0.1745909	0.27160587	2.3614384	20	5 8.4	20.9
213844 2003 SU_{27}	16.6	X	330.88945	13.22567	332.26449	4.98219	0.1250101	0.28814799	2.2701732	20	9 6.5	18.5
213845 2003 SC_{50}	16.7	X	177.09930	178.80748	211.63863	5.64788	0.2191641	0.26959704	2.3731543	20	4 8.4	20.7
213846 2003 SA_{52}	16.8	X	201.99435	300.47558	98.12598	3.60663	0.0905156	0.27374568	2.3491164	20	5 14.6	20.0
213847 2003 SP_{52}	16.2	X	185.28197	221.82425	160.89764	6.23946	0.1171574	0.26861894	2.3789115	20	4 6.1	19.7
213848 2003 ST_{54}	16.2	X	83.29269	128.08647	300.28533	5.58725	0.1054440	0.25959781	2.4337093	20	1 30.9	19.0
213849 2003 SF_{55}	16.5	X	115.36422	237.54982	186.33593	21.55753	0.3369823	0.26091474	2.4255132	20	4 9.4	20.4
213850 2003 SZ_{55}	17.0	X	75.91239	52.33852	214.04508	5.16733	0.1606743	0.29587328	2.2304829	20	11 5.5	20.2
213851 2003 SE_{61}	16.4	X	233.19990	251.66493	136.01800	6.85769	0.1130212	0.27900610	2.3194957	20	6 3.6	19.6
213852 2003 SY_{70}	14.9	X	314.35526	212.05958	244.62131	9.29187	0.2131979	0.18278593	3.0749699	20	12 13.1	18.0
213853 2003 SG_{81}	16.7	X	303.88841	312.47074	32.11303	4.92657	0.1379166	0.28228890	2.3014781	20	7 9.7	19.1
213854 2003 SK_{88}	17.0	X	329.77615	154.34994	180.26707	1.23411	0.0742506	0.28570501	2.2830959	20	8 18.4	19.3
213855 2003 SK_{103}	15.4	X	46.11191	353.54913	6.27053	12.41569	0.0763335	0.18340329	3.0680655	20	12 24.6	19.9
213856 2003 SA_{104}	16.6	X	105.35145	38.16384	16.77636	5.31807	0.1981265	0.25848214	2.4407072	20	3 1.4	19.8
213857 2003 SH_{116}	16.3	X	46.87715	350.79533	69.22763	9.20542	0.1946564	0.25183571	2.4834638	20	—	—
213858 2003 SZ_{120}	16.6	X	152.84664	346.00098	81.29814	7.08859	0.1379218	0.27077804	2.3662489	20	5 2.2	20.1
213859 2003 SG_{127}	16.3	X	173.69331	299.54177	105.49507	6.77555	0.0948423	0.27015120	2.3699078	20	4 23.9	19.7
213860 2003 SU_{131}	17.2	X	27.12726	278.62337	195.27198	5.40218	0.1466996	0.25367753	2.4714285	20	—	—
213861 2003 SX_{133}	17.0	X	141.57475	353.49463	53.84664	2.41533	0.1727494	0.26509760	2.3999315	20	3 27.5	20.5
213862 2003 SL_{147}	16.5	X	226.70410	68.59531	316.92119	2.21262	0.2273964	0.27337749	2.3512252	20	5 13.2	20.2
213863 2003 SZ_{148}	16.2	X	249.25259	318.13573	21.97409	7.25283	0.1410186	0.27316177	2.3524628	20	4 13.9	19.4
213864 2003 SQ_{150}	16.3	X	281.13891	306.23726	69.86489	7.35667	0.1240912	0.28406480	2.2918759	20	7 21.9	18.8
213865 2003 SJ_{156}	16.7	X	149.24061	110.93637	292.17614	0.62742	0.1721169	0.26502238	2.4003856	20	3 28.3	20.3
213866 2003 ST_{157}	16.4	X	188.38944	29.12274	0.87524	2.75176	0.1710708	0.26923555	2.3752780	20	4 16.8	20.2
213867 2003 SA_{163}	16.9	X	319.25233	167.33160	174.99386	2.11805	0.1461779	0.28452814	2.2893871	20	8 4.5	18.7
213868 2003 SQ_{165}	15.9	X	340.27973	260.99804	188.32860	26.66501	0.2389377	0.24016304	2.5632950	20	—	—
213869 2003 SG_{170}	17.7	X	150.77073	309.26017	199.27749	36.98089	0.6033345	0.38866184	1.8596082	20	8 17.4	22.6
213870 2003 SQ_{173}	16.8	X	116.75298	208.62849	221.89402	4.06285	0.1305070	0.26390755	2.4071409	20	3 22.7	19.9
213871 2003 SE_{179}	16.7	X	109.91819	326.68572	94.36895	3.99744	0.1727725	0.26131700	2.4230234	20	3 11.4	19.9
213872 2003 SX_{188}	16.3	X	213.59699	253.61731	139.24826	6.67998	0.1403438	0.27480924	2.3430515	20	5 18.4	19.9
213873 2003 SN_{206}	16.7	X	205.34057	201.58393	223.86047	4.56550	0.0828511	0.27808399	2.3246205	20	6 24.0	19.8
213874 2003 SO_{213}	16.4	X	76.68826	50.41907	24.14295	4.88853	0.1303899	0.25622352	2.4550295	20	2 4.8	19.0
213875 2003 SA_{225}	16.4	X	102.70903	340.23492	91.27688	2.23121	0.1776661	0.25928209	2.4356845	20	3 16.3	19.4
213876 2003 SO_{246}	17.2	X	73.41230	73.19110	217.76911	2.08139	0.1504712	0.29726706	2.2235054	20	12 3.9	20.3
213877 2003 SH_{248}	16.8	X	258.64287	344.99988	2.60033	3.04462	0.0936273	0.27561112	2.3385046	20	5 10.6	20.0
213878 2003 SB_{249}	16.9	X	104.30511	350.91813	68.02445	1.52497	0.2140307	0.25848274	2.4407035	20	3 6.7	20.0
213879 2003 SC_{249}	17.1	X	66.39940	114.35334	192.79413	3.95309	0.1739066	0.29807508	2.2194853	20	12 19.7	20.3
213880 2003 SM_{249}	16.6	X	159.51600	353.43367	59.88413	2.08846	0.1819127	0.26682121	2.3895850	20	4 21.6	20.2
213881 2003 SO_{249}	16.8	X	207.90127	340.24840	26.69260	4.44449	0.1519586	0.26940504	2.3742817	20	4 6.8	20.4
213882 2003 SQ_{250}	16.2	X	180.27313	346.14796	34.05712	8.04969	0.2430006	0.26562526	2.3967522	20	4 1.6	20.2
213883 2003 SU_{263}	16.6	X	119.56940	15.19439	30.98625	7.12777	0.1103776	0.26082520	2.4260683	20	2 25.1	19.8
213884 2003 SX_{269}	17.6	X	355.97237	205.62037	130.59547	6.65543	0.1502432	0.29015489	2.2596931	20	10 21.8	19.6
213885 2003 SU_{270}	16.6	X	165.02656	343.19366	47.01367	6.72770	0.1482657	0.26637612	2.3922461	20	3 28.7	20.2
213886 2003 SM_{271}	17.3	X	0.77058	260.40171	87.80318	6.28449	0.2130384	0.29261943	2.2469873	20	11 26.9	19.4
213887 2003 SV_{275}	17.9	X	225.80865	203.13261	187.40185	3.36822	0.2408760	0.27542128	2.3395790	20	5 19.4	21.8
213888 2003 SS_{288}	16.9	X	182.98517	194.92994	133.65284	5.66285	0.1191309	0.26135815	2.4227691	20	1 25.1	20.4
213889 2003 SW_{300}	16.5	X	357.29236	51.57174	230.51938	6.28606	0.1092744	0.28373179	2.2936689	20	7 16.4	18.7
213890 2003 SX_{303}	16.5	X	196.77472	247.83725	133.23802	3.19334	0.1735486	0.26984656	2.3716911	20	4 15.2	20.2
213891 2003 SZ_{309}	15.9	X	217.01419	300.26316	159.34828	7.81008	0.1676065	0.22453427	2.6809021	20	8 11.1	20.0
213892 2003 SH_{334}	16.9	X	281.45767	97.57454	193.81039	2.84839	0.0676313	0.26916654	2.3756840	20	3 28.5	19.9
213893 2003 TN_{2}	16.7	X	33.10487	143.79101	46.45544	2.84410	0.1308611	0.26790151	2.3831568	20	5 4.1	18.8
213894 2003 TP_{2}	16.2	X	63.77618	319.31314	76.56829	5.56573	0.2917639	0.24564844	2.5249922	20	—	—
213895 2003 TF_{6}	16.7	X	82.71384	198.04127	98.17414	6.98172	0.2615032	0.30181589	2.2011078	20	12 26.9	20.5
213896 2003 TL_{55}	17.6	X	76.44268	358.44716	66.62007	7.36913	0.1173182	0.25561549	2.4589212	20	1 19.7	20.4
213897 2003 UP_{1}	17.1	X	249.48357	40.46843	313.98010	2.63598	0.0699260	0.27462463	2.3441014	20	5 11.5	20.0
213898 2003 UU_{16}	16.7	X	212.59739	196.39547	175.32461	2.48127	0.1844047	0.26944219	2.3740634	20	4 16.5	20.5
213899 2003 US_{29}	17.0	X	33.06629	247.60829	73.57744	7.58230	0.2381037	0.29424007	2.2387289	20	12 8.9	19.7
213900 2003 UN_{34}	17.1	X	126.82927	242.19194	218.71071	6.91215	0.0490840	0.27032184	2.3689104	20	5 6.3	20.1
213901 2003 UR_{48}	16.5	X	215.81452	305.99498	79.08081	8.19938	0.1256470	0.27156222	2.3616914	20	5 10.9	20.1
213902 2003 UT_{48}	16.5	X	327.08205	267.61423	84.62235	8.25021	0.1363793	0.28557179	2.2838058	20	9 15.5	18.5
213903 2003 UK_{49}	15.6	X	180.69321	158.34496	314.32404	9.13452	0.1071737	0.21870562	2.7283249	20	7 26.7	19.8
213904 2003 US_{61}	16.7	X	256.37070	190.62905	158.86899	7.50798	0.1384926	0.27587816	2.3369953	20	5 7.8	20.0
213905 2003 UK_{62}	16.6	X	7.64589	211.84850	109.75657	7.46971	0.1607351	0.29050600	2.2578720	20	10 23.6	18.8
213906 2003 UZ_{64}	16.2	X	104.75681	0.85958	73.73599	13.30685	0.1356711	0.26082607	2.4260629	20	3 23.5	19.6
213907 2003 US_{65}	16.5	X	158.97060	273.59466	107.18410	7.18531	0.1370081	0.26287065	2.4134667	20	3 10.6	20.2
213908 2003 UF_{88}	16.9	X	343.45480	248.71939	199.04429	9.88129	0.2006630	0.24118793	2.5560284	20	—	—
213909 2003 UC_{96}	17.2	X	61.24211	129.40869	168.01321	1.78365	0.1946087	0.29588498	2.2304240	20	12 3.9	20.4
213910 2003 UW_{98}	16.3	X	184.87168	304.45252	109.00164	7.56597	0.1035225	0.26949688	2.3737422	20	5 16.7	19.8
213911 2003 UV_{101}	16.6	X	73.67920	226.47097	132.73228	3.32953	0.0935567	0.24558658	2.5254162	20	—	—
213912 2003 UN_{103}	16.9	X	209.43690	273.92084	112.61178	4.44608	0.1671585	0.27127980	2.3633302	20	5 4.3	20.6
213913 2003 UM_{115}	16.3	X	165.50505	24.79281	3.28085	6.09420	0.1337156	0.26409145	2.4060232	20	3 23.1	19.7
213914 2003 UQ_{133}	16.5	X	119.13098	300.28248	93.94814	6.94575	0.1198376	0.25701448	2.4499901	20	2 9.2	19.7
213915 2003 UX_{137}	16.8	X	258.01806	293.41929	66.70579	4.04913	0.1948829	0.27607831	2.3358657	20	5 14.9	20.0
213916 2003 UW_{149}	17.0	X	55.09069	158.36869	150.49689	4.10487	0.1593448	0.29620838	2.2288003	20	12 8.7	20.0
213917 2003 UD_{150}	17.0	X	355.37191	170.12543	150.71566	4.55361	0.1578057	0.28703438	2.2760411	20	9 23.5	18.7
213918 2003 UK_{174}	17.6	X	321.68504	141.68423	211.77538	2.54947	0.2603052	0.22903488	2.6456657	20	8 5.6	19.7
213919 2003 UL_{178}	16.3	X	241.27868	324.35363	14.13235	6.55107	0.1374975	0.27025105	2.3693240	20	4 3.9	19.6
213920 2003 UB_{185}	16.9	X	6.53101	210.76307	130.12010	2.13652	0.2394199	0.29226270	2.2488153	20	11 30.2	19.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
213921 2003 UN_{185}	16.7	X	335.96554	41.34881	21.96797	4.60275	0.2060131	0.23665782	2.5885435	20	—	—
213922 2003 UT_{201}	16.7	X	306.40415	263.26602	66.13776	3.83530	0.1863925	0.28024703	2.3126436	20	6 10.3	18.6
213923 2003 UB_{205}	15.6	X	19.23657	48.74544	357.97844	11.27204	0.1319742	0.18392480	3.0622633	20	—	—
213924 2003 UD_{218}	15.4	X	72.23408	161.72604	189.52619	9.10196	0.1445752	0.18446559	3.0562754	20	—	—
213925 2003 UW_{223}	15.5	X	68.42953	334.14547	35.50248	9.12397	0.2034450	0.18465234	3.0542143	20	—	—
213926 2003 UG_{257}	16.4	X	238.31106	315.15573	62.09177	7.83851	0.1201825	0.27389745	2.3482485	20	5 24.1	19.5
213927 2003 UW_{265}	16.4	X	296.36014	214.68418	261.87629	3.93937	0.1747789	0.23462081	2.6035047	20	12 27.6	18.6
213928 2003 UY_{273}	16.7	X	352.12994	278.17758	149.52575	5.56350	0.2641590	0.23864416	2.5741598	20	—	—
213929 2003 UM_{275}	16.7	X	78.04544	19.85199	67.89727	7.20151	0.0945597	0.25698802	2.4501582	20	2 21.6	19.6
213930 2003 UK_{303}	15.4	X	61.98022	45.26393	312.18001	8.41924	0.0937420	0.18373979	3.0643186	20	—	—
213931 2003 UN_{314}	15.9	X	24.50350	298.66767	152.42917	10.77446	0.2006910	0.24448673	2.5329844	20	—	—
213932 2003 UA_{381}	17.4	X	343.62398	162.72467	30.81482	9.01675	0.0387798	0.26372802	2.4082332	20	2 20.3	20.4
213933 2003 UY_{414}	17.1	X	38.81730	348.64095	126.49303	3.24793	0.1749259	0.25632606	2.4543748	20	1 24.9	19.0
213934 2003 UN_{415}	16.5	X	108.04962	239.43747	199.13748	13.46810	0.0457680	0.26451849	2.4034331	20	3 7.9	19.7
213935 2003 VZ_{5}	16.8	X	317.36668	185.66530	51.05135	6.16849	0.0845720	0.26377209	2.4079649	20	3 4.8	19.7
213936 2003 VL_{7}	17.2	X	18.55198	121.44687	50.98566	6.97489	0.0368901	0.26036450	2.4289293	20	3 13.6	20.1
213937 2003 WR_{20}	16.5	X	349.67013	100.98857	20.00393	8.61290	0.0586972	0.24570245	2.5246222	20	—	—
213938 2003 WS_{55}	16.5	X	28.15510	65.52189	5.11318	3.20697	0.1457179	0.24418725	2.5350550	20	—	—
213939 2003 WW_{64}	16.7	X	273.01395	75.08999	63.88623	13.33666	0.1976354	0.23359190	2.6111442	20	12 10.1	19.4
213940 2003 WN_{72}	16.9	X	315.18359	132.75862	340.95503	3.02592	0.1755342	0.23700652	2.5860040	20	—	—
213941 2003 WH_{73}	16.4	X	278.73301	302.76859	53.31917	7.07848	0.2462626	0.27721495	2.3294763	20	5 26.2	19.4
213942 2003 WT_{73}	15.4	X	287.69999	108.87627	46.30748	25.09838	0.2411532	0.23622375	2.5917136	20	—	—
213943 2003 WA_{77}	15.6	X	204.14819	53.15905	67.03886	11.76466	0.2552919	0.21453993	2.7635286	20	8 24.1	20.5
213944 2003 WS_{80}	16.3	X	253.59024	196.66081	150.39600	10.99236	0.2480899	0.27302230	2.3532639	20	4 21.1	20.1
213945 2003 WE_{92}	16.7	X	217.80067	260.44431	139.40198	3.07725	0.1965056	0.27221266	2.3579278	20	5 27.0	20.4
213946 2003 WU_{107}	16.4	X	358.84943	302.20516	139.80216	5.45210	0.2185736	0.24009837	2.5637553	20	—	—
213947 2003 WV_{116}	16.6	X	16.31417	94.33567	349.95466	4.42282	0.1387841	0.24342621	2.5403359	20	—	—
213948 2003 WL_{126}	16.4	X	268.89566	92.06407	351.27367	3.75753	0.3886497	0.22409066	2.6844391	20	8 19.1	20.0
213949 2003 WJ_{127}	16.2	X	252.72148	66.89832	68.01600	12.93535	0.2346942	0.22581800	2.6707322	20	10 31.5	19.8
213950 2003 WB_{136}	16.5	X	20.29957	27.34227	59.22595	6.46374	0.1711714	0.24406556	2.5358976	20	—	—
213951 2003 WK_{167}	16.3	X	126.98896	322.19179	135.52409	7.59895	0.0808198	0.26703837	2.3882893	20	5 8.9	19.6
213952 2003 WT_{193}	16.8	X	288.78335	256.79199	245.06677	2.95480	0.1299724	0.23629923	2.5911617	20	—	—
213953 2003 XJ_{16}	16.3	X	148.15174	160.65101	199.08649	6.02992	0.1356042	0.25398340	2.4694439	20	1 28.7	20.0
213954 2003 XD_{25}	17.1	X	90.49617	43.44108	32.20487	6.52525	0.0719434	0.25615947	2.4554388	20	2 19.8	20.2
213955 2003 XE_{43}	15.8	X	227.10916	223.84276	2.72285	14.43122	0.0556159	0.23753305	2.5821811	20	—	—
213956 2003 YY_{11}	15.6	X	290.92513	38.54026	66.38771	18.01322	0.1462250	0.22955514	2.6416668	20	11 30.8	18.3
213957 2003 YS_{16}	16.5	X	315.57723	24.75002	72.91497	4.63385	0.1707750	0.23186891	2.6240637	20	—	—
213958 2003 YF_{17}	15.7	X	136.86793	79.14233	97.38658	14.20149	0.1435982	0.21130590	2.7916542	20	9 6.6	20.4
213959 2003 YL_{21}	16.4	X	208.36489	215.94986	315.75407	3.48850	0.1395764	0.22284517	2.6944321	20	11 2.8	20.5
213960 2003 YX_{25}	16.4	X	290.25936	10.14936	62.54996	4.31976	0.2299758	0.22564702	2.6720812	20	10 4.6	19.1
213961 2003 YA_{26}	16.2	X	255.84778	108.19006	64.09838	4.69313	0.1730701	0.23168517	2.6254509	20	12 31.3	19.2
213962 2003 YQ_{28}	16.1	X	307.55128	73.06289	80.94363	7.45995	0.0968974	0.24170072	2.5524118	20	—	—
213963 2003 YM_{33}	16.3	X	287.51587	301.78549	141.32640	3.86977	0.2814810	0.22441902	2.6818199	20	10 4.7	19.0
213964 2003 YZ_{62}	16.3	X	307.23106	9.73389	103.55493	16.36879	0.2772395	0.23264921	2.6181930	20	—	—
213965 2003 YA_{76}	16.7	X	25.75850	41.85132	32.16908	2.17607	0.1702384	0.24206333	2.5498622	20	—	—
213966 2003 YY_{89}	16.1	X	229.51975	48.91227	83.84896	6.10786	0.1088011	0.22111080	2.7085036	20	10 16.5	20.0
213967 2003 YD_{95}	16.3	X	167.90397	321.01516	93.97437	7.69760	0.0826460	0.26466858	2.4025243	20	4 30.3	19.8
213968 2003 YS_{111}	16.5	X	255.42363	98.34535	58.02995	11.73433	0.2507885	0.23019492	2.6367699	20	11 26.2	19.8
213969 2003 YM_{127}	16.1	X	55.17111	5.56000	54.92056	9.32673	0.0904583	0.24430631	2.5342313	20	—	—
213970 2003 YS_{134}	15.6	X	275.81408	104.56234	59.78760	12.02345	0.1213687	0.23303546	2.6152992	20	—	—
213971 2003 YG_{138}	16.3	X	303.39405	20.57978	83.57427	5.75754	0.0811682	0.22916122	2.6446932	20	12 25.3	19.4
213972 2003 YK_{139}	15.8	X	7.71004	36.41875	49.28364	13.55828	0.1362174	0.24103795	2.5570885	20	—	—
213973 2003 YU_{140}	15.6	X	76.01932	128.40604	18.78599	9.87564	0.2526687	0.19809200	2.9144599	20	6 1.3	19.7
213974 2003 YV_{140}	16.7	X	304.89359	43.89466	33.79388	8.89713	0.2205528	0.22953291	2.6418373	20	11 11.6	18.9
213975 2003 YV_{142}	15.7	X	233.97701	102.22343	58.14817	13.82555	0.1192025	0.22663423	2.6643159	20	11 22.4	19.3
213976 2003 YS_{144}	16.1	X	345.82515	9.60076	8.98924	10.10983	0.0803787	0.22473437	2.6793105	20	11 3.1	19.4
213977 2003 YL_{150}	16.4	X	196.36840	30.90044	129.84768	2.83991	0.1620140	0.21800053	2.7342047	20	10 8.3	20.6
213978 2003 YN_{151}	16.4	X	228.67823	121.17153	41.52839	13.74529	0.1969847	0.22399697	2.6851876	20	11 7.7	20.1
213979 2003 YW_{153}	15.8	X	314.04980	49.09859	63.05487	14.05557	0.1403143	0.23217176	2.6217813	20	—	—
213980 2003 YC_{169}	15.9	X	299.29810	96.76517	80.09385	15.23962	0.1000842	0.24096330	2.5576166	20	—	—
213981 2003 YR_{180}	15.7	X	230.89875	341.03283	113.67203	10.52149	0.2482815	0.21270563	2.7793936	20	8 12.2	20.1
213982 2004 AB_{5}	16.2	X	278.80340	304.19859	119.99794	7.60630	0.3176676	0.22195588	2.7016243	20	8 17.2	19.6
213983 2004 AH_{10}	16.2	X	160.13617	131.07164	122.11192	14.32094	0.0926139	0.22877234	2.6476895	20	12 29.1	20.2
213984 2004 AC_{15}	17.1	X	234.72058	316.15325	45.83514	2.23301	0.2889258	0.26656200	2.3911338	20	4 17.6	21.2
213985 2004 BP_{1}	15.7	X	327.58009	205.40467	260.21481	9.47126	0.1245487	0.23329517	2.6133579	20	—	—
213986 2004 BO_{9}	16.1	X	165.41255	92.78454	128.63184	13.36955	0.1512397	0.22088692	2.7103334	20	11 25.1	20.7
213987 2004 BA_{10}	16.3	X	301.60097	26.61472	96.83823	4.93283	0.1401433	0.23053551	2.6341722	20	—	—
213988 2004 BZ_{12}	16.6	X	234.50268	14.40193	143.92749	4.51092	0.1656204	0.22404304	2.6848194	20	11 15.1	20.4
213989 2004 BU_{17}	15.9	X	201.89280	190.85709	49.75052	12.60283	0.0675400	0.23361265	2.6109896	20	—	—
213990 2004 BF_{26}	16.3	X	115.94843	233.70904	12.12860	10.60997	0.0696794	0.22185968	2.7024052	20	10 30.6	20.3
213991 2004 BK_{42}	15.8	X	168.64822	230.93414	303.33731	5.03963	0.2000933	0.21371356	2.7706478	20	9 24.4	20.6
213992 2004 BN_{44}	15.2	X	36.43406	336.40457	141.22130	9.70528	0.2692899	0.18345130	3.0675302	20	2 18.7	18.0
213993 2004 BX_{47}	17.1	X	20.53799	104.01183	329.11522	1.74795	0.1064797	0.23843105	2.5756935	20	—	—
213994 2004 BZ_{47}	16.2	X	242.93377	51.22265	119.23253	13.74366	0.0857893	0.22908363	2.6452903	20	12 23.4	19.7
213995 2004 BU_{74}	16.5	X	26.54203	171.79314	246.86447	3.97583	0.2264807	0.23791609	2.5794087	20	—	—
213996 2004 BC_{76}	15.7	X	231.34062	212.89274	277.10140	8.18714	0.0678234	0.21907256	2.7252775	20	10 13.6	19.7
213997 2004 BX_{76}	16.8	X	202.21930	7.40262	138.77565	5.20793	0.1099924	0.21737820	2.7394207	20	9 30.9	20.8
213998 2004 BL_{88}	16.7	X	309.74354	253.95174	221.04415	3.40148	0.1606020	0.23131821	2.6282268	20	—	—
213999 2004 BC_{104}	16.0	X	230.12410	33.87947	120.12169	10.60446	0.1964275	0.22048324	2.7136406	20	11 3.0	20.1
214000 2004 BW_{107}	15.7	X	139.32142	154.72139	123.86738	29.03754	0.0619938	0.22723667	2.6596048	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
214001 2004 BO_{108}	15.0	X	348.19365	145.51635	343.79389	14.01904	0.1024648	0.17749409	3.1357887	20	—	—
214002 2004 BO_{110}	15.4	X	203.84292	39.70387	89.72283	9.99016	0.1006027	0.21290127	2.7776907	20	9 15.1	19.7
214003 2004 BA_{114}	15.8	X	254.47468	311.28346	155.63275	16.90306	0.2158087	0.21931265	2.7232882	20	9 28.3	19.6
214004 2004 CG	15.3	X	327.56160	69.24196	50.02594	22.21440	0.0844473	0.23407292	2.6075657	20	—	—
214005 2004 CO_{2}	15.4	X	200.36011	344.04878	170.01033	9.47873	0.0941531	0.21476933	2.7615603	20	10 9.7	19.4
214006 2004 CK_{7}	16.0	X	172.61171	116.08172	131.82886	8.37743	0.0990642	0.22613047	2.6682714	20	—	—
214007 2004 CO_{13}	16.2	X	216.96298	20.81609	128.68508	3.03121	0.0200021	0.21874037	2.7280359	20	11 1.4	19.9
214008 2004 CJ_{36}	15.8	X	201.69061	41.19050	80.38988	8.65360	0.1752171	0.21190537	2.7863868	20	8 26.9	20.4
214009 2004 CJ_{54}	16.6	X	120.45544	208.03138	25.77491	1.75662	0.1824417	0.21230166	2.7829183	20	10 27.2	21.3
214010 2004 CR_{54}	16.0	X	103.82102	268.98238	334.33769	6.81898	0.1778190	0.21124339	2.7922050	20	10 20.8	20.5
214011 2004 CC_{63}	16.1	X	220.91622	51.36658	97.63666	10.26317	0.1162168	0.21930975	2.7233121	20	10 27.5	20.2
214012 2004 CH_{73}	15.8	X	189.52300	90.37797	60.01496	8.29921	0.1630288	0.21314423	2.7755795	20	9 21.6	20.3
214013 2004 CZ_{94}	16.5	X	173.18970	350.68957	157.60682	8.51716	0.1603597	0.21069452	2.7970521	20	8 30.7	20.9
214014 2004 CC_{111}	16.5	X	191.05410	285.61559	256.76087	2.24740	0.1291385	0.21800880	2.7341355	20	10 30.2	20.6
214015 2004 CV_{111}	16.2	X	259.87398	121.23191	57.09729	5.47018	0.0937499	0.23132850	2.6281488	20	—	—
214016 2004 DJ	16.1	X	335.61958	184.53423	315.24821	11.60329	0.1659320	0.23534551	2.5981573	20	—	—
214017 2004 DJ_{3}	16.7	X	185.29902	356.85957	191.94138	0.89325	0.0404497	0.21809034	2.7334540	20	11 8.9	20.4
214018 2004 DU_{4}	16.5	X	217.40476	161.82429	12.35509	3.60588	0.0436474	0.22214954	2.7000539	20	11 28.6	20.1
214019 2004 DC_{8}	16.2	X	66.63387	335.93808	141.65397	0.15362	0.1794852	0.18845572	3.0129817	20	4 1.7	19.7
214020 2004 DG_{12}	15.9	X	143.35098	225.95460	13.44376	11.54973	0.0896791	0.21668307	2.7452763	20	11 19.7	20.2
214021 2004 DA_{13}	15.2	X	119.00467	252.11685	349.37486	12.65289	0.1721926	0.21134218	2.7913348	20	10 29.7	19.9
214022 2004 DB_{23}	16.0	X	114.86742	310.76918	218.99292	11.33258	0.1190979	0.20232075	2.8737066	20	7 26.1	20.6
214023 2004 DA_{24}	16.3	X	263.72569	271.16007	215.57215	6.05240	0.1514435	0.22311874	2.6922291	20	11 14.1	19.6
214024 2004 DZ_{26}	16.2	X	22.88152	323.53026	43.17704	3.43200	0.0441757	0.22047173	2.7137350	20	12 8.1	19.6
214025 2004 DD_{35}	16.0	X	231.07676	317.62052	183.24807	9.25619	0.1329135	0.21964677	2.7205257	20	10 23.8	19.8
214026 2004 DX_{38}	16.1	X	195.24767	81.92291	142.92353	11.58071	0.1361647	0.22477914	2.6789547	20	12 26.3	20.3
214027 2004 DF_{42}	15.6	X	171.88648	43.85072	111.48228	5.64118	0.1165522	0.20807233	2.8205025	20	9 10.2	20.0
214028 2004 DR_{49}	16.0	X	251.45626	319.68070	160.39075	15.25723	0.0419477	0.21746026	2.7387315	20	11 7.2	20.0
214029 2004 DU_{61}	15.8	X	199.13003	110.15736	37.58139	4.13764	0.0366837	0.21261193	2.7802102	20	10 4.8	19.7
214030 2004 ES_{1}	16.3	X	229.01650	284.16938	173.08856	7.76437	0.1978437	0.21213652	2.7843624	20	8 15.8	20.7
214031 2004 EV_{1}	16.3	X	300.82218	293.45074	163.36159	13.33433	0.1393409	0.22327025	2.6910110	20	12 8.3	19.5
214032 2004 EE_{4}	15.6	X	160.12933	167.50336	40.92241	13.84420	0.0531482	0.21497983	2.7597574	20	11 3.0	19.6
214033 2004 EB_{6}	15.6	X	165.03516	84.43153	93.26896	7.09067	0.0894246	0.21104477	2.7939566	20	10 3.5	19.9
214034 2004 EE_{12}	16.2	X	145.21036	76.84269	163.63282	13.17205	0.1896912	0.21652684	2.7465967	20	11 27.7	21.0
214035 2004 EW_{14}	15.1	X	309.61665	96.94967	64.66232	9.45388	0.1264251	0.17147448	3.2087537	20	—	—
214036 2004 EZ_{14}	15.1	X	341.38652	136.50509	122.53827	11.54093	0.0884706	0.19228116	2.9728858	20	5 17.5	19.0
214037 2004 EZ_{41}	15.8	X	65.98546	150.80883	132.17753	5.94063	0.0084796	0.21247989	2.7813618	20	10 14.2	19.6
214038 2004 EN_{49}	16.3	X	101.11257	191.58840	40.99939	3.12880	0.1350994	0.20704423	2.8298318	20	10 4.8	20.6
214039 2004 EY_{54}	15.3	X	156.58624	324.07062	251.33056	9.23602	0.2070438	0.21460265	2.7629901	20	11 3.3	20.1
214040 2004 EC_{58}	16.0	X	125.11277	180.80704	45.82982	10.08898	0.1003303	0.21149738	2.7899691	20	10 21.1	20.2
214041 2004 EY_{60}	16.0	X	340.09723	258.79045	173.28760	11.73149	0.0487792	0.22502605	2.6769947	20	—	—
214042 2004 EX_{62}	16.4	X	97.08617	11.54994	209.45111	5.84187	0.2014184	0.20504603	2.8481868	20	9 20.2	20.9
214043 2004 EH_{63}	16.3	X	132.59776	39.31898	198.70356	5.56739	0.0522754	0.21433327	2.7653046	20	11 9.6	20.2
214044 2004 EU_{65}	15.3	X	60.31975	274.86566	45.86793	17.24683	0.1094615	0.21703268	2.7423273	20	12 3.2	19.3
214045 2004 EV_{66}	15.2	X	281.92336	91.44806	191.06980	8.81497	0.1147431	0.18317025	3.0706672	20	3 17.5	19.6
214046 2004 EZ_{68}	16.0	X	339.88118	257.77823	168.42456	13.55149	0.0863126	0.22567070	2.6718942	20	12 30.6	19.5
214047 2004 EP_{74}	15.9	X	194.29620	346.26704	159.48750	3.97062	0.0726838	0.20922421	2.8101409	20	9 22.6	20.0
214048 2004 EH_{84}	16.2	X	149.58059	256.19678	304.47073	3.28902	0.0076111	0.21247135	2.7814364	20	10 10.2	20.0
214049 2004 EK_{115}	15.7	X	264.25812	349.64264	104.19623	11.48458	0.2071832	0.21848728	2.7301423	20	9 28.2	19.5
214050 2004 FU	15.9	X	127.59054	238.61405	184.34874	2.45720	0.1146362	0.18909739	3.0061618	20	3 30.6	20.4
214051 2004 FB_{19}	15.9	X	160.03227	86.89261	185.01586	9.36614	0.2928249	0.22136898	2.7063972	20	—	—
214052 2004 FX_{26}	15.6	X	297.55832	65.03376	183.32725	8.25470	0.0354503	0.18274472	3.0754322	20	3 5.7	19.9
214053 2004 FR_{33}	15.8	X	93.43535	237.63592	233.35319	7.62893	0.2173250	0.19132460	2.9827865	20	5 3.4	20.0
214054 2004 FY_{37}	16.6	X	137.17345	205.19769	20.87941	5.65395	0.0710668	0.21403630	2.7678620	20	10 29.7	20.6
214055 2004 FS_{50}	15.6	X	88.12424	260.88918	37.64375	12.77534	0.1896564	0.21210317	2.7846542	20	12 13.2	20.2
214056 2004 FR_{51}	15.6	X	140.53204	193.62333	14.80891	10.93176	0.0102982	0.21285064	2.7781311	20	10 10.2	19.3
214057 2004 FH_{52}	15.9	X	84.46253	38.04295	200.36359	8.34876	0.2232250	0.20472497	2.8511638	20	10 2.2	20.3
214058 2004 FD_{69}	16.5	X	77.64385	170.77174	190.64570	12.61603	0.1749651	0.22662813	2.6643637	20	—	—
214059 2004 FO_{84}	16.4	X	174.01803	95.40424	61.37783	9.79707	0.1611726	0.21030114	2.8005391	20	9 16.1	21.1
214060 2004 FC_{88}	16.0	X	117.26973	193.89258	53.01062	8.82257	0.1741762	0.21135056	2.7912610	20	11 8.9	20.4
214061 2004 FY_{94}	16.0	X	115.76656	196.93123	40.73218	14.26055	0.1498409	0.21052495	2.7985538	20	10 27.0	20.5
214062 2004 FY_{96}	16.2	X	282.57775	21.24288	88.27113	7.38346	0.1458645	0.22300266	2.6931633	20	11 22.3	19.2
214063 2004 FK_{97}	15.8	X	104.34509	246.97478	39.84177	10.46791	0.0609811	0.21689137	2.7435184	20	12 6.9	20.0
214064 2004 FR_{99}	16.1	X	356.88994	30.33133	168.62074	7.90325	0.1356015	0.18386076	3.0629743	20	3 17.7	19.6
214065 2004 FR_{108}	16.2	X	228.92466	290.92567	187.39758	8.12549	0.2468027	0.21306190	2.7762944	20	9 6.2	20.7
214066 2004 FU_{109}	15.7	X	36.57854	182.93987	21.74241	4.13231	0.1525292	0.18976212	2.9991375	20	6 4.5	19.2
214067 2004 FK_{111}	15.9	X	179.05852	309.83518	213.25808	5.51667	0.0126735	0.20986151	2.8044488	20	9 28.9	19.7
214068 2004 GX_{1}	15.6	X	278.89763	65.87002	195.55444	9.66753	0.1712747	0.17610017	3.1523145	20	2 9.9	20.6
214069 2004 GX_{6}	16.9	X	321.46000	14.64446	30.26317	7.00797	0.0182670	0.21560115	2.7544528	20	11 1.2	20.5
214070 2004 GF_{9}	14.9	X	318.04688	357.57490	220.79329	17.00392	0.1533984	0.17653758	3.1471053	20	2 3.6	19.5
214071 2004 GQ_{29}	15.2	X	263.61023	251.44389	31.52717	9.75246	0.0282052	0.17913601	3.1165980	20	3 13.1	19.7
214072 2004 GW_{31}	15.6	X	133.74141	297.53803	226.58395	7.21484	0.1525189	0.20114633	2.8848814	20	8 10.3	20.3
214073 2004 GX_{45}	16.6	X	354.23703	175.01957	190.76576	5.57336	0.0584596	0.20954375	2.8072833	20	10 28.7	20.0
214074 2004 GT_{56}	16.1	X	207.88059	6.33445	12.69281	10.92533	0.0870459	0.18721950	3.0262304	20	4 24.9	20.8
214075 2004 GP_{72}	15.9	X	74.51723	237.98712	55.86768	9.80988	0.0961722	0.20933344	2.8091632	20	11 15.9	20.0
214076 2004 GD_{84}	16.5	X	136.70282	292.80611	181.89136	1.28120	0.0369968	0.19119422	2.9841424	20	6 5.9	20.8
214077 2004 GQ_{88}	15.0	X	217.94808	291.70988	48.22462	14.74769	0.0625210	0.17734613	3.1375325	20	3 29.7	19.8
214078 2004 HH_{12}	15.2	X	144.61806	353.01281	158.35562	11.74262	0.0933999	0.19923147	2.9033368	20	8 3.8	19.7
214079 2004 HW_{25}	15.6	X	336.48919	163.42321	53.86865	11.43454	0.2067616	0.17911235	3.1168725	20	3 5.3	19.4
214080 2004 HH_{31}	15.6	X	276.84145	128.89568	138.43451	10.86897	0.1922730	0.17572210	3.1568344	20	2 15.3	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
214081 Balavoine	15.6	X	168.40305	1.33461	76.28415	8.68970	0.1230600	0.19186220	2.9772121	20	5 29.8	20.4
214082 2004 HB_{41}	15.6	X	49.37111	146.90481	48.67790	9.65921	0.0730771	0.18932938	3.0037057	20	6 1.5	19.5
214083 2004 HH_{57}	16.5	X	339.90843	165.73597	158.76716	2.35472	0.0330448	0.19611483	2.9340156	20	8 10.1	20.2
214084 2004 HJ_{62}	16.6	X	307.75917	276.90700	1.32264	5.95976	0.2131061	0.24217454	2.5490816	20	3 25.8	19.6
214085 2004 HX_{74}	15.7	X	338.43288	148.86951	129.44388	5.13264	0.0508748	0.18692497	3.0294084	20	6 7.0	19.7
214086 2004 JW_{2}	14.7	X	298.28042	291.33564	45.88937	10.11346	0.3907876	0.18509315	3.0493631	20	5 5.7	18.9
214087 2004 JC_{6}	14.8	X	330.84660	36.80364	176.74497	27.99490	0.1537641	0.17441564	3.1725789	20	2 19.9	19.2
214088 2004 JN_{13}	15.3	X	53.05879	279.12332	85.13415	13.34069	0.6897362	0.20038608	2.8921736	20	1 10.5	16.6
214089 2004 JK_{20}	15.5	X	310.80100	243.97133	58.37605	10.15451	0.2113840	0.18422318	3.0589558	20	5 7.6	19.3
214090 2004 JW_{21}	15.8	X	285.19807	188.05533	42.62353	1.64924	0.1294317	0.17174516	3.2053813	20	1 20.2	20.6
214091 2004 JG_{31}	15.3	X	316.91522	47.10631	229.02130	10.06456	0.1482289	0.18151555	3.0893005	20	4 19.9	19.3
214092 2004 JY_{31}	17.1	X	146.29906	33.09349	94.90387	24.47998	0.0537692	0.37434036	1.9067406	20	7 14.7	19.1
214093 2004 JQ_{43}	12.6	X	47.32426	282.20618	11.65162	16.80166	0.0505228	0.08401958	5.1627651	20	9 21.1	19.3
214094 2004 KY_{6}	15.8	X	318.09024	108.50883	225.20593	9.04569	0.1013547	0.19245689	2.9710758	20	7 13.7	19.6
214095 2004 LT_{4}	15.4	X	329.88678	114.50534	157.96533	13.59767	0.1256608	0.18277521	3.0750902	20	5 13.7	19.4
214096 2004 LQ_{11}	15.2	X	320.77177	10.32585	255.70329	16.77111	0.1766421	0.18171074	3.0870878	20	4 3.3	19.4
214097 2004 NO_{9}	15.2	X	338.99126	181.32880	113.80216	13.65574	0.1850447	0.18251954	3.0779612	20	6 22.0	18.5
214098 2004 NV_{15}	15.5	X	315.75954	117.73970	135.42373	14.55646	0.2416102	0.17417701	3.1754760	20	3 10.7	19.7
214099 2004 NN_{17}	14.5	X	168.24579	215.53037	112.40263	19.56767	0.1350672	0.15630629	3.4131215	20	1 24.4	19.9
214100 2004 OY_{5}	15.4	X	359.33819	187.49428	78.25043	9.73993	0.2709425	0.18376183	3.0640735	20	6 23.5	17.9
214101 2004 OQ_{12}	15.8	X	337.69475	208.56795	73.40470	2.17340	0.1587098	0.18105439	3.0945441	20	6 2.1	19.1
214102 2004 PD_{58}	15.2	X	327.97925	17.21572	283.26423	4.30096	0.1517716	0.17849262	3.1240829	20	6 10.6	18.7
214103 2004 PP_{65}	16.5	X	3.39181	50.19690	251.92624	2.25184	0.1767266	0.24588960	2.5233410	20	8 31.7	18.7
214104 2004 PR_{75}	15.4	X	1.09376	114.91566	173.50492	12.75291	0.3395556	0.18378062	3.0638647	20	8 8.3	17.8
214105 2004 QK_{9}	17.3	X	299.39893	320.57685	4.31175	19.38647	0.0748348	0.36541607	1.9376602	20	6 6.9	19.6
214106 2004 QN_{18}	15.2	X	298.86374	235.71376	81.47868	17.94359	0.2489005	0.17741687	3.1366984	20	5 8.6	19.6
214107 2004 RV_{29}	17.3	X	71.04548	223.21235	157.65818	5.06855	0.2170321	0.26783284	2.3835641	20	—	—
214108 2004 RX_{93}	16.5	X	290.46012	156.43191	244.59530	4.62885	0.2093108	0.24528990	2.5274521	20	8 21.5	19.2
214109 2004 RF_{154}	17.1	X	165.86098	142.87819	323.02983	5.59653	0.0666941	0.29870027	2.2163872	20	7 5.0	20.0
214110 2004 RL_{181}	15.2	X	88.08413	16.85945	190.70620	16.59584	0.0518018	0.17803546	3.1294285	20	8 1.9	19.9
214111 2004 RS_{194}	17.3	X	101.60216	126.41645	241.19673	2.95060	0.1355760	0.26887127	2.3774229	20	—	—
214112 2004 RM_{306}	14.5	X	342.80107	275.65342	40.50929	16.48756	0.2766090	0.17720597	3.1391867	20	8 1.4	17.7
214113 2004 RP_{339}	15.3	X	235.37320	241.52537	81.72695	11.74459	0.2424578	0.16369901	3.3095734	20	3 16.5	21.0
214114 2004 SY_{22}	17.2	X	108.02132	194.46297	358.54142	4.41488	0.0439402	0.30052821	2.2073908	20	8 23.9	19.8
214115 2004 TO_{45}	16.9	X	137.91329	341.43472	348.97916	1.39920	0.2013675	0.26935330	2.3745857	20	—	—
214116 2004 TU_{59}	15.5	X	22.29165	263.62375	27.38547	8.53004	0.1169197	0.18048237	3.1010792	20	9 5.9	19.5
214117 2004 TW_{146}	17.1	X	153.28220	105.34296	353.26881	5.58286	0.0559073	0.29143569	2.2530676	20	6 6.1	20.1
214118 2004 VM_{18}	17.0	X	192.64814	98.16332	320.78337	1.29991	0.1976803	0.22542435	2.6738405	20	5 28.1	21.5
214119 2004 VH_{64}	15.2	X	223.76290	99.27837	50.07760	29.26115	0.3328501	0.23152608	2.6266534	20	10 17.2	19.9
214120 2004 VZ_{73}	18.0	X	325.88095	263.21601	136.20521	2.82092	0.1204249	0.30957135	2.1641908	20	11 30.9	19.6
214121 2004 XA_{28}	17.6	X	99.19715	58.87881	54.78517	3.03752	0.1789690	0.27642283	2.3339243	20	5 6.5	20.5
214122 2004 XJ_{49}	17.7	X	25.82533	299.34903	34.15851	3.18598	0.1079481	0.30338247	2.1935240	20	11 28.5	20.0
214123 2004 XQ_{59}	16.9	X	324.38716	4.73606	52.29986	5.40959	0.0816028	0.30658256	2.1782334	20	12 19.7	18.8
214124 2004 XG_{85}	16.4	X	176.32380	14.86251	95.72542	10.43331	0.0466606	0.28818659	2.2699705	20	7 25.2	19.3
214125 2004 XA_{86}	16.9	X	170.57578	334.92707	114.38562	5.89978	0.0882277	0.28387568	2.2928937	20	6 16.5	20.1
214126 2004 XW_{90}	16.8	X	23.70543	260.73236	274.60816	5.79216	0.1745326	0.27156152	2.3616955	20	3 18.7	18.8
214127 2004 XE_{96}	17.7	X	181.35648	124.82431	340.28680	1.89927	0.1668819	0.28796952	2.2711111	20	7 19.1	21.3
214128 2004 XU_{108}	17.1	X	178.43393	7.74097	41.82365	2.93071	0.2288898	0.28115089	2.3076843	20	5 3.9	20.8
214129 2004 XV_{162}	16.5	X	358.64485	326.53614	58.50294	4.87851	0.1364944	0.30590598	2.1814440	20	—	—
214130 2004 YX_{9}	17.9	X	23.42174	326.62380	74.56332	4.12510	0.1084866	0.31890357	2.1217610	20	—	—
214131 2005 AN	17.5	X	105.44597	288.60838	206.34899	2.21061	0.1187587	0.27828725	2.3234884	20	6 4.8	20.5
214132 2005 AC_{4}	16.8	X	223.17960	92.10611	56.18578	6.04921	0.0655947	0.30259733	2.1973167	20	11 17.8	19.0
214133 2005 AV_{8}	17.2	X	298.49193	318.89994	108.14889	5.69264	0.1270124	0.30363236	2.1923203	20	11 18.0	18.9
214134 2005 AP_{9}	17.2	X	178.34814	274.01308	190.62881	4.90061	0.1139297	0.28529090	2.2853046	20	7 15.2	20.5
214135 2005 AC_{18}	15.6	X	5.15281	283.02223	309.84449	23.37994	0.2045911	0.27181462	2.3602292	20	5 1.3	18.2
214136 Alinghi	17.3	X	191.71126	17.38320	123.58195	4.26038	0.0812507	0.29515636	2.2340932	20	9 25.4	20.2
214137 2005 AO_{28}	16.6	X	357.25042	346.65798	34.09138	4.25775	0.2007908	0.30542349	2.1837408	20	—	—
214138 2005 AH_{35}	16.7	X	155.32150	323.56357	130.73059	6.60121	0.1006638	0.28111676	2.3078711	20	6 6.8	20.0
214139 2005 AW_{46}	17.0	X	24.33679	78.39535	105.79291	3.59677	0.1616621	0.26977354	2.3721190	20	4 10.2	19.0
214140 2005 AX_{47}	16.8	X	7.24804	301.50930	289.64645	6.53959	0.2302502	0.27360962	2.3498951	20	5 15.7	18.2
214141 2005 AN_{53}	17.0	X	123.81994	253.82979	227.55251	2.67436	0.1418010	0.27794668	2.3253860	20	6 10.6	20.1
214142 2005 AQ_{57}	15.7	X	239.05929	29.19635	73.93502	14.54940	0.1388158	0.23260776	2.6185040	20	9 22.9	19.6
214143 2005 AP_{60}	17.2	X	61.24253	185.85427	347.02849	2.08392	0.1440998	0.27402640	2.3475117	20	5 30.6	19.8
214144 2005 AR_{65}	17.6	X	144.49995	295.19894	216.39874	1.37652	0.0880845	0.28691295	2.2766833	20	8 11.2	20.6
214145 2005 AC_{69}	16.8	X	286.51236	35.16011	14.62664	8.11835	0.0598174	0.29731941	2.2232444	20	10 2.4	19.0
214146 2005 AE_{70}	17.1	X	104.54267	119.72380	75.68720	2.39966	0.0620223	0.28662555	2.2782049	20	8 23.2	19.9
214147 2005 AO_{80}	17.0	X	27.34796	101.56340	109.55861	6.37250	0.1436273	0.27363998	2.3497212	20	5 28.7	19.1
214148 2005 BS_{4}	17.1	X	76.91953	180.63390	336.34704	3.00434	0.1921179	0.27513776	2.3411860	20	6 8.8	20.0
214149 2005 BW_{8}	16.9	X	66.20282	192.18220	350.93291	3.73079	0.1301087	0.27683442	2.3316105	20	6 21.1	19.5
214150 2005 BJ_{11}	17.7	X	109.67949	33.07421	87.78432	2.22472	0.1385019	0.27481305	2.3430298	20	5 24.0	20.7
214151 2005 BM_{11}	16.7	X	0.61986	77.67325	122.45793	5.90450	0.1703490	0.26586698	2.3952993	20	3 13.8	18.7
214152 2005 BU_{22}	17.0	X	18.49397	36.26677	105.42171	3.63854	0.1345968	0.26151492	2.4218007	20	1 22.5	19.0
214153 2005 BU_{28}	17.2	X	43.97592	189.93199	16.72190	3.91919	0.1613664	0.27564787	2.3382967	20	6 25.3	19.5
214154 2005 CJ_{5}	17.3	X	64.24753	8.06974	111.52704	2.15525	0.1430759	0.26494211	2.4008704	20	3 18.8	19.7
214155 2005 CF_{11}	16.9	X	280.13992	294.68697	119.21022	6.71175	0.1302935	0.29364413	2.2417568	20	9 19.6	19.1
214156 2005 CJ_{11}	17.3	X	20.25074	47.35826	100.25607	3.19314	0.1159333	0.26145197	2.4221894	20	2 4.9	19.6
214157 2005 CC_{13}	17.5	X	4.93127	172.21598	63.08620	2.07813	0.1433813	0.27289929	2.3539710	20	5 17.9	19.4
214158 2005 CJ_{16}	17.1	X	98.20079	328.02660	140.96275	2.64988	0.1665721	0.27158811	2.3615413	20	4 27.9	20.1
214159 2005 CA_{19}	16.7	X	33.59566	86.67414	129.92569	6.00269	0.1850166	0.27403381	2.3474695	20	6 24.8	18.7
214160 2005 CL_{19}	17.0	X	69.29956	248.26534	262.37079	1.34064	0.1046563	0.27194598	2.3594690	20	5 3.7	19.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
214161 2005 CQ_{20}	16.5	X	186.76804	295.10747	123.36565	5.57177	0.0586821	0.27673527	2.3321674	20	5 25.1	19.6
214162 2005 CU_{20}	17.0	X	83.50927	336.31094	210.07808	1.30775	0.0888131	0.27887418	2.3202272	20	7 14.3	19.8
214163 2005 CL_{22}	16.6	X	20.72060	125.22499	86.05663	8.43323	0.1414353	0.27217385	2.3581519	20	5 15.3	18.6
214164 2005 CB_{23}	16.7	X	143.70975	9.49051	91.75829	6.67501	0.1724224	0.27787473	2.3257874	20	6 7.2	20.3
214165 2005 CQ_{23}	16.7	X	125.28140	218.24250	221.29554	6.33762	0.0817591	0.27138856	2.3626988	20	4 7.5	19.8
214166 2005 CM_{31}	15.9	X	32.16660	297.47197	118.74557	4.51757	0.1126990	0.18527564	3.0473606	20	—	—
214167 2005 CU_{36}	16.6	X	35.98041	136.43391	101.57796	2.52342	0.2039956	0.27692742	2.3310884	20	8 7.6	18.9
214168 2005 CO_{37}	17.1	X	55.68102	296.43947	245.19514	1.35957	0.1545149	0.27251444	2.3561867	20	6 5.8	19.5
214169 2005 CQ_{49}	16.5	X	41.58829	359.97615	173.11072	2.15747	0.1558278	0.26866647	2.3786310	20	4 27.8	18.6
214170 2005 CS_{50}	17.1	X	55.28754	349.48188	170.82878	1.43113	0.1239483	0.26918703	2.3755634	20	4 28.9	19.5
214171 2005 CE_{52}	17.0	X	149.89206	275.45098	168.69389	5.76965	0.1745566	0.27526894	2.3404422	20	5 22.7	20.6
214172 2005 CM_{53}	17.0	X	59.57569	166.95673	34.12030	3.33106	0.1035515	0.27662843	2.3327678	20	7 3.4	19.6
214173 2005 CW_{53}	17.0	X	104.02982	327.99064	133.42847	1.74284	0.1459596	0.26987398	2.3715305	20	4 21.7	19.9
214174 2005 CG_{63}	17.3	X	78.35140	105.45858	87.61347	4.42123	0.0920638	0.27930855	2.3178210	20	7 18.1	20.1
214175 2005 CJ_{63}	17.1	X	79.34638	247.29893	224.31078	3.47561	0.1017443	0.26687593	2.3892583	20	3 22.8	19.7
214176 2005 CA_{67}	16.7	X	79.80221	82.24403	86.93623	3.53991	0.1048413	0.27394927	2.3479524	20	6 16.5	19.5
214177 2005 CK_{68}	17.1	X	97.63657	314.68062	146.05139	1.71250	0.1483469	0.26909420	2.3761097	20	4 12.6	19.9
214178 2005 CZ_{68}	17.4	X	56.75194	24.63080	131.95389	2.08899	0.1245385	0.26914289	2.3758232	20	4 26.5	19.8
214179 2005 CQ_{69}	17.8	X	27.88930	110.45588	43.51175	1.79437	0.1304677	0.26399951	2.4065818	20	2 28.7	20.0
214180 Mabaglioni	15.9	X	236.59850	16.01451	222.03701	11.05662	0.1088426	0.23907274	2.5710825	20	—	—
214181 2005 CV_{78}	17.5	X	38.00377	111.14400	52.96380	2.13385	0.1251331	0.26685148	2.3894043	20	4 3.3	19.6
214182 2005 ED_{1}	17.1	X	229.99883	241.95016	337.22820	3.28842	0.2267101	0.24274167	2.5451096	20	—	—
214183 2005 EC_{7}	16.5	X	324.30779	75.27519	161.25317	8.73509	0.1650075	0.26146831	2.4220885	20	2 27.8	19.2
214184 2005 EO_{7}	16.8	X	305.55567	40.35874	163.49415	3.16385	0.1215421	0.25286576	2.4767150	20	—	—
214185 2005 EE_{9}	17.1	X	48.02302	107.72541	144.45448	7.39795	0.0839377	0.28519809	2.2858004	20	8 28.9	19.7
214186 2005 EG_{10}	17.0	X	144.58598	137.22644	319.42838	2.76348	0.1317941	0.27409886	2.3470981	20	5 29.4	20.5
214187 2005 EJ_{10}	17.6	X	71.10780	178.51337	284.23904	0.96694	0.1815366	0.26278892	2.4139671	20	3 10.8	20.1
214188 2005 EO_{11}	17.2	X	36.82028	67.74854	98.32505	2.25269	0.1090669	0.26720662	2.3872866	20	4 3.2	19.4
214189 2005 EF_{13}	17.0	X	41.57795	79.12969	45.64895	4.10950	0.1715102	0.26109659	2.4243868	20	2 15.9	19.0
214190 2005 ER_{13}	16.5	X	334.35863	250.16460	20.09115	4.98084	0.1347311	0.27021759	2.3695196	20	5 8.9	18.8
214191 2005 EP_{14}	16.5	X	25.62782	42.68285	153.20233	7.18386	0.0664177	0.26790920	2.3831111	20	4 26.8	19.1
214192 2005 EW_{17}	17.1	X	265.30783	269.50990	35.55021	1.01704	0.0293269	0.26516605	2.3995185	20	4 1.1	19.9
214193 2005 EC_{22}	17.1	X	4.97273	225.28045	341.13538	2.33508	0.1395170	0.26572656	2.3961430	20	3 31.7	19.4
214194 2005 EX_{28}	16.7	X	40.51604	40.25442	150.26810	7.19241	0.0535941	0.26802472	2.3824263	20	5 12.1	19.5
214195 2005 EW_{29}	17.4	X	52.57594	21.81005	121.78770	6.95346	0.0876844	0.26670642	2.3902706	20	3 28.8	20.0
214196 2005 EP_{30}	16.2	X	50.96097	343.36229	347.42792	14.35446	0.1042280	0.22503351	2.6769356	20	12 6.3	20.2
214197 2005 EM_{38}	15.5	X	346.90229	307.33038	336.60028	24.59826	0.2019437	0.27476921	2.3432790	20	7 5.1	17.9
214198 2005 ET_{38}	17.1	X	107.95607	24.22115	80.42100	2.21232	0.1448752	0.26987769	2.3715087	20	4 30.8	20.3
214199 2005 EQ_{40}	16.7	X	331.73435	143.51753	137.35557	3.39738	0.1565075	0.27031995	2.3689214	20	5 20.2	18.9
214200 2005 EO_{41}	16.5	X	109.21211	313.42693	174.03421	5.20936	0.1335699	0.27159087	2.3615253	20	6 1.6	19.7
214201 2005 EQ_{49}	16.8	X	312.81285	8.63141	220.17832	2.52634	0.1370951	0.25914908	2.4365179	20	2 4.6	19.8
214202 2005 EU_{50}	16.7	X	335.45343	237.63992	338.94846	5.65992	0.0643581	0.26206355	2.4184195	20	3 3.2	19.3
214203 2005 EM_{54}	17.1	X	321.51440	49.29191	171.01565	1.23891	0.1217571	0.25949630	2.4343439	20	2 8.4	20.1
214204 2005 EB_{60}	17.0	X	314.80357	180.25051	297.05066	5.40324	0.1809895	0.24454833	2.5325590	20	—	—
214205 2005 EZ_{60}	16.5	X	346.29979	186.70702	309.89642	5.36798	0.1338928	0.25164197	2.4847384	20	—	—
214206 2005 EV_{63}	17.3	X	353.01692	132.67046	159.71735	4.98342	0.2523646	0.27634387	2.3343689	20	8 1.7	18.3
214207 2005 EW_{64}	17.2	X	52.97088	108.36354	44.49513	1.85938	0.1303091	0.26654400	2.3912415	20	4 14.5	19.4
214208 2005 EQ_{66}	17.8	X	298.36503	96.58142	168.68512	2.85986	0.1570606	0.26197696	2.4189524	20	3 2.5	20.6
214209 2005 EN_{71}	16.6	X	49.83132	109.96913	94.24905	5.60341	0.0967604	0.27527905	2.3403849	20	6 20.7	18.9
214210 2005 EX_{71}	16.7	X	38.16185	69.00076	76.72400	3.59368	0.0611341	0.26439533	2.4041794	20	3 4.6	19.3
214211 2005 EO_{73}	17.4	X	333.05629	148.04319	68.80633	2.23261	0.1337945	0.26109494	2.4243970	20	2 20.4	20.2
214212 2005 ED_{74}	17.3	X	69.65717	359.20500	132.48150	2.83616	0.1241896	0.26642566	2.3919496	20	4 11.9	19.8
214213 2005 EQ_{78}	17.1	X	24.36443	138.83156	43.92090	2.82292	0.1575785	0.26496700	2.4007200	20	4 6.8	19.0
214214 2005 EQ_{79}	16.4	X	20.44756	46.01803	107.12679	8.25967	0.0958008	0.25916282	2.4364317	20	2 15.9	18.9
214215 2005 EK_{81}	16.9	X	268.83270	134.10241	177.44078	6.24353	0.1296308	0.26689110	2.3891678	20	4 1.0	20.0
214216 2005 ES_{84}	17.4	X	72.44636	58.49775	69.70376	2.23942	0.1352767	0.26743686	2.3859163	20	4 12.6	19.8
214217 2005 EJ_{85}	16.9	X	45.77754	40.33179	131.01398	3.22496	0.1234573	0.26809486	2.3820108	20	4 29.7	19.3
214218 2005 EV_{85}	16.3	X	96.95434	354.66361	151.79349	6.69359	0.0579916	0.27301302	2.3533173	20	6 1.7	19.3
214219 2005 EV_{91}	17.1	X	282.28158	289.88455	339.23167	4.31022	0.1712179	0.26056792	2.4276649	20	2 16.3	20.5
214220 2005 EQ_{94}	17.1	X	330.58753	4.12229	193.28336	0.95575	0.1246960	0.25742204	2.4474034	20	1 21.5	20.1
214221 2005 ET_{100}	16.4	X	29.48870	66.33209	45.96641	11.11339	0.1007514	0.25435382	2.4670458	20	1 3.8	19.2
214222 2005 EU_{109}	17.6	X	60.60284	146.14164	2.93371	1.08518	0.1287105	0.26847737	2.3797478	20	4 21.2	19.8
214223 2005 EZ_{124}	16.4	X	145.05390	138.98084	4.95328	7.88693	0.1579268	0.21463084	2.7627482	20	8 2.4	20.9
214224 2005 EZ_{133}	17.1	X	108.81242	356.10875	102.32212	1.34893	0.1697510	0.26943982	2.3740774	20	4 26.7	20.2
214225 2005 EU_{135}	17.2	X	319.21628	82.79285	142.28148	3.03808	0.1663618	0.25814114	2.4428562	20	2 4.9	20.1
214226 2005 EW_{142}	16.6	X	35.38059	342.16952	158.68969	6.86299	0.0804380	0.25841825	2.4411095	20	2 21.4	19.0
214227 2005 EK_{147}	17.4	X	358.72238	13.97453	128.38247	1.75833	0.1220704	0.25363903	2.4716786	20	—	—
214228 2005 EP_{148}	17.1	X	16.11935	39.60036	115.37766	3.27283	0.1291397	0.25785491	2.4446636	20	2 7.9	19.4
214229 2005 EG_{151}	16.9	X	19.58999	103.03847	64.10746	3.22508	0.1315511	0.25980291	2.4324283	20	3 4.9	19.1
214230 2005 EG_{152}	17.6	X	317.29194	91.78820	47.10895	4.11236	0.1311466	0.24467324	2.5316971	20	—	—
214231 2005 EA_{154}	15.9	X	307.86127	222.22834	33.71746	22.61735	0.1616005	0.26436167	2.4043834	20	3 15.2	19.3
214232 2005 EL_{155}	17.5	X	83.59770	247.45492	180.59911	1.45024	0.1552235	0.25532820	2.4607653	20	2 8.3	20.2
214233 2005 EX_{159}	17.0	X	35.10590	294.14145	189.88168	0.86891	0.1306156	0.25756339	2.4465079	20	1 29.1	19.3
214234 2005 EQ_{164}	17.2	X	260.66423	163.05962	126.85262	2.30010	0.1866807	0.25725904	2.4484371	20	2 18.9	21.0
214235 2005 EL_{176}	17.1	X	231.88115	117.50892	174.08300	6.52758	0.0934541	0.25538774	2.4603828	20	1 28.2	20.8
214236 2005 EQ_{176}	17.2	X	25.48658	113.80521	8.10191	2.17240	0.1602149	0.25501939	2.4627514	20	1 7.4	19.3
214237 2005 EF_{181}	16.8	X	110.69781	85.98013	41.64893	4.49500	0.0602093	0.27471470	2.3435890	20	5 23.1	19.6
214238 2005 ES_{182}	16.8	X	87.91053	33.74132	44.33811	3.12084	0.1775924	0.26139477	2.4225428	20	3 4.7	19.5
214239 2005 ET_{182}	16.9	X	321.62022	155.01709	59.88568	2.42691	0.1361429	0.25789816	2.4443903	20	1 31.4	19.9
214240 2005 ES_{183}	16.8	X	331.98215	83.17833	182.78064	6.24839	0.0851230	0.26769543	2.3843797	20	5 6.9	19.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
214241 2005 EP_{186}	17.1	X	338.41380	113.44679	87.15649	6.64344	0.1492367	0.25706655	2.4496592	20	2 5.3	19.8
214242 2005 ED_{187}	16.9	X	296.05047	31.62106	228.69073	1.71782	0.1602528	0.25732935	2.4479911	20	2 21.5	20.0
214243 2005 EM_{215}	16.5	X	303.95588	284.21521	333.02992	6.47639	0.1118856	0.26231876	2.4168507	20	3 5.4	19.4
214244 2005 EH_{229}	17.5	X	15.90786	152.05060	21.74170	1.50562	0.1204522	0.26387186	2.4073579	20	3 5.8	19.6
214245 2005 EL_{235}	17.6	X	283.63329	243.55077	24.63415	2.58891	0.1863443	0.25832777	2.4416794	20	2 15.6	21.0
214246 2005 EO_{252}	16.3	X	29.26940	209.67372	196.39755	6.20673	0.1362959	0.23966315	2.5668582	20	—	—
214247 2005 EA_{257}	16.8	X	246.74231	67.42105	274.58252	1.44626	0.2362884	0.26494634	2.4008449	20	4 5.2	20.6
214248 2005 EL_{270}	16.5	X	7.96295	351.77967	167.75984	7.09081	0.0861520	0.25606643	2.4560335	20	2 1.4	19.1
214249 2005 EQ_{283}	16.4	X	108.20620	25.84546	91.05838	7.67397	0.0781477	0.27029895	2.3690441	20	5 10.2	19.5
214250 2005 EU_{287}	16.9	X	340.65895	80.78915	203.45438	6.82027	0.1015567	0.27431822	2.3458466	20	6 17.4	19.3
214251 2005 EH_{292}	16.8	X	293.64579	138.56590	120.93638	7.25370	0.1202077	0.25752378	2.4467588	20	2 25.9	20.0
214252 2005 EU_{294}	15.7	X	237.48989	106.44624	134.22218	14.71659	0.1201026	0.24159026	2.5531898	20	—	—
214253 2005 EO_{306}	17.1	X	59.74000	9.92833	172.03304	1.70085	0.0780540	0.27359548	2.3499761	20	5 31.4	19.6
214254 2005 EV_{313}	16.9	X	199.41802	321.92923	43.56478	1.46233	0.0293073	0.26450557	2.4035113	20	3 28.9	20.0
214255 2005 ER_{327}	16.1	X	44.60945	204.36757	207.09860	6.22229	0.0978558	0.24162129	2.5529712	20	—	—
214256 2005 FA_{2}	16.8	X	28.90683	88.32733	13.16116	14.86509	0.1140593	0.25446163	2.4663489	20	—	—
214257 2005 GP	17.1	X	235.01708	315.67337	223.44205	0.35681	0.0791736	0.23481761	2.6020498	20	12 25.8	20.6
214258 2005 GM_{6}	16.7	X	254.02792	208.86275	82.50972	4.23041	0.1416109	0.25366201	2.4715293	20	2 19.8	20.5
214259 2005 GO_{8}	17.3	X	67.92659	140.88270	357.12719	1.05323	0.1308934	0.26917916	2.3756097	20	4 17.4	19.8
214260 2005 GT_{8}	16.1	X	190.95320	241.22521	37.76884	29.17532	0.2050887	0.23970174	2.5665827	20	—	—
214261 2005 GE_{11}	15.7	X	169.08636	248.52092	37.00675	15.06385	0.0934293	0.24052766	2.5607039	20	—	—
214262 2005 GB_{14}	17.2	X	334.46442	113.34671	166.90449	4.94062	0.2207332	0.27096160	2.3651801	20	5 16.4	19.0
214263 2005 GD_{16}	17.1	X	131.24074	260.79897	169.53399	6.46587	0.0917266	0.26777007	2.3839366	20	4 6.6	20.2
214264 2005 GU_{24}	16.5	X	287.96112	217.12327	192.95567	5.76882	0.0246929	0.22225286	2.6992171	20	9 24.2	20.0
214265 2005 GU_{31}	16.1	X	179.93400	296.75520	7.97092	7.38221	0.3302313	0.24095345	2.5576863	20	1 7.9	20.9
214266 2005 GA_{39}	16.3	X	171.29262	225.92960	158.30051	7.57113	0.0967818	0.26152109	2.4217626	20	3 23.7	19.7
214267 2005 GS_{39}	16.7	X	247.90163	204.42603	32.13197	12.71766	0.2260474	0.24350388	2.5397958	20	—	—
214268 2005 GH_{40}	17.0	X	142.67077	126.97640	180.09864	2.72237	0.1523656	0.23607549	2.5927986	20	—	—
214269 2005 GQ_{42}	16.6	X	31.38426	81.13170	86.74245	7.08719	0.0784867	0.26274491	2.4142366	20	3 28.8	19.3
214270 2005 GO_{45}	16.3	X	218.79993	86.46965	197.03173	9.48070	0.2115264	0.24479339	2.5308686	20	1 5.6	20.8
214271 2005 GV_{51}	16.6	X	357.78632	41.00812	38.94516	3.51888	0.1522234	0.23807347	2.5782719	20	—	—
214272 2005 GA_{52}	16.0	X	271.46729	139.24762	35.73865	13.53671	0.1055494	0.23873444	2.5735108	20	—	—
214273 2005 GG_{53}	16.2	X	257.25054	123.33890	37.33518	14.18905	0.1127896	0.23350485	2.6117932	20	12 26.9	19.7
214274 2005 GF_{57}	17.1	X	190.99756	125.75406	98.85403	1.63660	0.0357919	0.23343991	2.6122775	20	—	—
214275 2005 GK_{63}	16.1	X	345.49864	164.96751	42.53643	13.86528	0.0847181	0.26242399	2.4162045	20	3 12.1	19.1
214276 2005 GQ_{63}	16.9	X	326.66141	124.58379	90.33300	10.61819	0.1422963	0.25867958	2.4394651	20	2 8.6	19.9
214277 2005 GM_{67}	16.9	X	167.63635	98.41733	192.77794	3.43312	0.2559629	0.23620170	2.5918749	20	—	—
214278 2005 GZ_{68}	16.7	X	327.22284	106.37125	25.55320	2.05507	0.0722819	0.24260650	2.5460549	20	—	—
214279 2005 GQ_{75}	16.9	X	266.75938	20.75703	236.89420	0.92153	0.1090101	0.25174458	2.4840631	20	1 23.3	20.3
214280 2005 GR_{76}	17.3	X	9.98647	275.88142	35.14157	3.93050	0.1319274	0.27918982	2.3184781	20	10 1.1	19.4
214281 2005 GC_{88}	16.4	X	215.49280	255.36874	238.75342	6.44392	0.1360501	0.22491931	2.6778416	20	9 23.8	20.5
214282 2005 GU_{99}	16.7	X	148.91943	100.22849	211.78084	4.91225	0.1270285	0.23561769	2.5961560	20	—	—
214283 2005 GS_{107}	16.8	X	44.89237	24.04672	25.49043	5.82762	0.0643611	0.24186967	2.5512231	20	—	—
214284 2005 GR_{132}	17.0	X	219.74020	155.17321	177.32451	6.35370	0.1121729	0.25626583	2.4547593	20	3 6.9	20.6
214285 2005 GD_{154}	16.5	X	98.73915	144.37115	188.97228	11.38348	0.1228326	0.23189943	2.6238334	20	—	—
214286 2005 GK_{155}	17.0	X	311.77420	282.18058	192.74412	4.88689	0.2568338	0.23981748	2.5657568	20	—	—
214287 2005 GB_{158}	16.9	X	201.34211	253.57939	37.60503	11.40906	0.2701404	0.24218870	2.5489822	20	1 4.3	21.6
214288 2005 GK_{174}	16.9	X	8.55289	312.80908	183.34765	7.03637	0.1338764	0.25129277	2.4870397	20	—	—
214289 2005 GK_{182}	16.2	X	157.15452	166.95700	117.52747	12.70359	0.1794274	0.23144592	2.6272599	20	—	—
214290 2005 GT_{206}	16.7	X	57.68024	153.29059	186.24930	2.04266	0.1392000	0.22531756	2.6746853	20	12 31.4	20.5
214291 2005 GQ_{209}	14.6	X	118.76288	270.34761	71.75472	21.61347	0.0826620	0.17511538	3.1641217	20	—	—
214292 2005 GX_{215}	17.1	X	345.88522	311.50947	244.20365	2.21400	0.1364075	0.25936003	2.4351966	20	2 9.4	19.8
214293 2005 HK_{1}	17.2	X	278.05588	342.73105	204.40903	5.57648	0.2198593	0.24313803	2.5423429	20	—	—
214294 2005 HA_{5}	16.6	X	223.47347	136.75598	79.77310	10.64428	0.2550373	0.23547866	2.5971777	20	—	—
214295 2005 HC_{5}	16.7	X	286.44150	94.33429	76.01090	14.60381	0.1207887	0.23894607	2.5719910	20	—	—
214296 2005 HN_{5}	16.1	X	166.76038	168.63480	122.12441	3.82081	0.1765902	0.23464275	2.6033424	20	—	—
214297 2005 HV_{9}	16.3	X	266.48903	17.85226	151.20979	6.83207	0.1917237	0.23686402	2.5870411	20	—	—
214298 2005 HG_{10}	15.8	X	243.16345	140.80272	48.12966	29.46377	0.1227449	0.23407658	2.6075386	20	—	—
214299 2005 JU	16.1	X	220.97511	92.86383	137.95888	5.03687	0.1221742	0.23680714	2.5874553	20	—	—
214300 2005 JW	16.4	X	243.19588	57.33228	156.09232	5.89047	0.0957488	0.23838779	2.5760051	20	—	—
214301 2005 JU_{2}	17.0	X	28.41104	4.57339	50.16166	2.69519	0.0485528	0.23597587	2.5935283	20	—	—
214302 2005 JA_{4}	17.0	X	317.92139	191.93841	68.14567	3.28133	0.1700662	0.26155172	2.4215735	20	3 23.3	19.6
214303 2005 JH_{14}	16.3	X	271.41842	316.37845	237.96253	5.97781	0.1070018	0.24193093	2.5507924	20	—	—
214304 2005 JK_{15}	16.2	X	40.51117	122.24820	209.85455	4.21326	0.1195208	0.22026376	2.7154429	20	11 28.8	19.7
214305 2005 JL_{15}	17.0	X	260.56569	353.64924	202.11862	2.03405	0.1649296	0.23959442	2.5673490	20	—	—
214306 2005 JW_{19}	15.9	X	91.22772	283.53381	57.23948	3.08601	0.2559955	0.22751869	2.6574065	20	—	—
214307 2005 JF_{22}	16.3	X	298.26699	273.46991	49.72961	9.26183	0.2062974	0.26755060	2.3852401	20	5 13.8	18.8
214308 2005 JZ_{22}	16.6	X	302.23869	141.19525	10.83396	4.31699	0.0871789	0.24331330	2.5411218	20	—	—
214309 2005 JP_{23}	16.3	X	229.04026	143.94525	207.00428	8.00977	0.2196989	0.26237736	2.4164908	20	4 2.2	20.2
214310 2005 JE_{30}	17.0	X	329.86093	289.76108	334.48736	0.87790	0.1602425	0.26775687	2.3840149	20	4 17.9	19.3
214311 2005 JP_{30}	15.9	X	298.70604	169.37801	1.97429	11.87391	0.0992826	0.24394752	2.5367156	20	—	—
214312 2005 JM_{31}	16.3	X	211.36614	4.97171	278.40825	7.12130	0.2366373	0.24208419	2.5497157	20	1 1.4	20.8
214313 2005 JT_{33}	16.3	X	164.98663	268.54572	49.71638	4.90451	0.3119785	0.23541883	2.5976178	20	1 12.6	20.9
214314 2005 JX_{33}	16.4	X	141.45161	228.56226	76.76670	1.24668	0.0918398	0.23299929	2.6155698	20	—	—
214315 2005 JC_{38}	15.5	X	208.77145	59.00474	167.94942	15.32071	0.1176421	0.23313779	2.6145338	20	—	—
214316 2005 JF_{38}	16.0	X	179.74563	109.60855	170.45988	14.06629	0.1753390	0.23386547	2.6091075	20	—	—
214317 2005 JQ_{42}	16.7	X	196.59697	94.36893	196.71631	7.69095	0.1990733	0.23988292	2.5652902	20	—	—
214318 2005 JS_{42}	15.9	X	190.08992	34.57406	210.21625	10.35545	0.1130771	0.23567601	2.5957277	20	—	—
214319 2005 JQ_{43}	16.5	X	216.81110	62.62167	209.35269	13.54577	0.1636977	0.24010782	2.5636881	20	—	—
214320 2005 JR_{47}	16.6	X	115.84775	181.47347	192.01925	3.36319	0.0137905	0.24406710	2.5358869	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
214321 2005 JQ_{51}	16.5	X	355.97241	3.58492	75.28978	3.61958	0.0287397	0.23506860	2.6001973	20	—	—
214322 2005 JM_{55}	16.5	X	352.56116	172.82537	175.49990	6.39162	0.0483815	0.21425870	2.7659463	20	10 3.3	19.9
214323 2005 JW_{55}	16.3	X	202.39424	248.24788	64.76835	8.41738	0.1977082	0.24274465	2.5450888	20	1 30.8	20.7
214324 2005 JL_{56}	16.1	X	90.10300	185.19923	174.41375	13.81208	0.1935272	0.23048962	2.6345218	20	—	—
214325 2005 JT_{61}	16.1	X	222.56085	333.66309	241.58935	4.44956	0.1699629	0.23481712	2.6020534	20	—	—
214326 2005 JG_{66}	16.2	X	179.59850	249.11717	50.33854	8.81264	0.1513125	0.23872952	2.5735462	20	—	—
214327 2005 JQ_{66}	16.0	X	157.41661	320.31514	9.93669	4.83305	0.2284189	0.23864371	2.5741630	20	1 15.0	20.1
214328 2005 JR_{67}	16.2	X	167.04351	266.77681	42.80988	14.15621	0.1887787	0.23717154	2.5848043	20	—	—
214329 2005 JQ_{71}	15.9	X	259.70414	13.20485	180.40992	11.89213	0.0192097	0.23530647	2.5984446	20	—	—
214330 2005 JS_{76}	17.1	X	133.07447	236.71061	30.99739	1.21007	0.1335649	0.22587658	2.6702704	20	12 18.3	21.2
214331 2005 JA_{77}	16.1	X	201.05035	27.06037	194.06399	12.64652	0.1133062	0.23012964	2.6372685	20	12 30.3	20.1
214332 2005 JZ_{78}	16.6	X	158.55590	290.51938	45.42910	7.67851	0.1840106	0.24052923	2.5606927	20	1 19.6	20.7
214333 2005 JZ_{81}	16.4	X	175.71450	179.13174	99.88374	9.75773	0.0583798	0.23580335	2.5947931	20	—	—
214334 2005 JE_{84}	16.9	X	310.47499	311.82470	190.78481	1.50843	0.1396031	0.24010318	2.5637211	20	—	—
214335 2005 JJ_{85}	15.9	X	287.40808	79.52050	96.73486	8.85936	0.1048448	0.23985510	2.5654886	20	—	—
214336 2005 JX_{90}	16.1	X	176.00795	33.80597	252.54401	10.65730	0.1664570	0.23553762	2.5967443	20	—	—
214337 2005 JV_{93}	16.7	X	255.96456	294.11727	242.63064	3.96395	0.2879014	0.23607914	2.5927719	20	12 20.0	19.5
214338 2005 JO_{103}	16.9	X	15.52881	120.88842	21.16000	7.22820	0.0955325	0.25538940	2.4603721	20	1 23.8	19.6
214339 2005 JO_{104}	16.2	X	224.71427	328.93197	237.18275	11.34103	0.1137742	0.23316251	2.6143490	20	—	—
214340 2005 JD_{107}	15.5	X	136.63853	160.23698	150.13095	14.03330	0.1845852	0.23083184	2.6319173	20	—	—
214341 2005 JK_{107}	16.0	X	86.54196	230.20264	63.19681	13.77740	0.1538742	0.22110944	2.7085147	20	12 5.2	20.3
214342 2005 JK_{109}	16.7	X	257.64715	202.27434	19.93391	6.67145	0.1543078	0.24192105	2.5508619	20	—	—
214343 2005 JE_{117}	16.1	X	26.56311	239.08591	111.82863	7.15249	0.0572261	0.22121327	2.7076671	20	11 26.7	19.8
214344 2005 JQ_{126}	17.0	X	306.71078	294.54882	350.05199	5.14235	0.2034353	0.25922246	2.4360580	20	4 1.2	19.7
214345 2005 JQ_{131}	16.0	X	257.25071	110.80133	111.59879	14.12853	0.1102445	0.24108950	2.5567240	20	—	—
214346 2005 JS_{138}	16.6	X	238.78526	347.16396	230.76236	4.52064	0.1851642	0.23794929	2.5791688	20	—	—
214347 2005 JF_{145}	16.7	X	282.79184	323.83987	203.43702	3.32147	0.1602513	0.23793666	2.5792601	20	—	—
214348 2005 JT_{145}	16.0	X	282.07894	148.41907	49.71037	13.98911	0.0733620	0.24146200	2.5540939	20	—	—
214349 2005 JL_{146}	16.2	X	130.06728	247.83525	89.18238	13.07305	0.0328982	0.23869073	2.5738250	20	—	—
214350 2005 JJ_{156}	16.7	X	85.75431	232.73019	103.49268	0.34992	0.0523000	0.22932926	2.6434011	20	—	—
214351 2005 JY_{159}	17.0	X	106.82157	317.07780	42.05479	5.31553	0.1501165	0.23786060	2.5798099	20	—	—
214352 2005 JX_{163}	15.8	X	134.57234	235.06507	34.86447	15.10847	0.0856785	0.22853339	2.6495347	20	12 21.9	20.0
214353 2005 JM_{167}	16.1	X	213.85693	26.07093	222.31964	7.53961	0.1729405	0.23629818	2.5911694	20	—	—
214354 2005 JB_{176}	16.2	X	179.10975	185.87676	106.31616	14.45839	0.1564688	0.23868208	2.5738872	20	—	—
214355 2005 JY_{180}	16.9	X	298.10312	326.40871	179.21808	8.13947	0.0766740	0.23549031	2.5970921	20	—	—
214356 2005 KK	17.1	X	276.17732	70.88053	157.79944	2.74360	0.1142746	0.24685365	2.5167670	20	—	—
214357 2005 KR_{1}	16.3	X	34.96128	266.01836	133.30634	4.59976	0.1025928	0.23211239	2.6222283	20	—	—
214358 2005 KT_{6}	16.3	X	240.84621	227.93451	19.07856	4.07242	0.2098569	0.24145931	2.5541128	20	—	—
214359 2005 KU_{7}	16.1	X	48.74083	266.31714	88.04530	7.27987	0.0480279	0.22461179	2.6802853	20	12 27.4	19.5
214360 2005 KZ_{7}	15.8	X	174.74607	15.56224	231.49765	14.59938	0.1193960	0.22869025	2.6483230	20	—	—
214361 2005 KF_{9}	16.0	X	163.22223	279.13357	53.97717	5.98513	0.2338081	0.23777378	2.5804378	20	1 24.1	20.3
214362 2005 KW_{9}	15.4	X	197.20697	354.77791	261.54060	14.43861	0.1583645	0.23529117	2.5985573	20	—	—
214363 2005 KD_{13}	16.6	X	269.67715	44.41743	175.18782	5.76479	0.0297285	0.24190509	2.5509741	20	—	—
214364 2005 LG	16.0	X	277.16305	352.20990	195.91612	12.46282	0.1140256	0.24007277	2.5639376	20	—	—
214365 2005 LJ_{2}	15.6	X	115.16740	224.01862	105.18003	15.39131	0.1685280	0.22922209	2.6442250	20	—	—
214366 2005 LL_{2}	16.2	X	172.12626	95.69008	213.42546	13.46489	0.1280873	0.23713786	2.5850490	20	—	—
214367 2005 LC_{3}	16.5	X	173.12246	152.08680	124.87284	10.48748	0.1975061	0.23221630	2.6214460	20	—	—
214368 2005 LD_{5}	15.9	X	163.32528	100.04656	205.35878	7.93084	0.1833931	0.23407703	2.6075352	20	—	—
214369 2005 LZ_{5}	15.8	X	144.25076	244.43041	95.87935	15.70478	0.1334571	0.23673480	2.5879823	20	1 4.3	19.4
214370 2005 LL_{6}	16.2	X	310.14104	351.70387	182.21791	5.89892	0.1245326	0.24441703	2.5334660	20	—	—
214371 2005 LO_{6}	15.9	X	124.58700	20.76865	257.06741	8.70917	0.2045024	0.21968483	2.7202115	20	12 22.4	20.5
214372 2005 LN_{7}	16.0	X	155.72246	251.37062	68.36360	9.22822	0.1915464	0.23564826	2.5959314	20	—	—
214373 2005 LZ_{7}	16.9	X	137.91992	124.27000	186.79265	12.53106	0.2400824	0.22943879	2.6425598	20	—	—
214374 2005 LS_{9}	16.0	X	100.76560	243.51075	101.77594	12.77807	0.0940684	0.23070527	2.6328798	20	—	—
214375 2005 LC_{10}	16.6	X	278.85198	97.48203	113.98128	5.81863	0.1052987	0.24390082	2.5370394	20	—	—
214376 2005 LF_{20}	13.0	X	323.12118	227.48213	149.30785	8.17483	0.0606594	0.08259892	5.2217949	20	9 7.8	19.7
214377 2005 LS_{21}	15.5	X	150.76563	230.98882	247.42458	10.28660	0.0797704	0.19292020	2.9663171	20	6 28.9	20.1
214378 Kleinmann	15.8	X	241.98271	11.91222	228.01490	8.16027	0.1177881	0.23906487	2.5711389	20	—	—
214379 2005 LX_{30}	16.6	X	240.77200	157.83748	92.74210	3.73246	0.1421348	0.24091549	2.5579550	20	—	—
214380 2005 LZ_{30}	15.7	X	255.18218	349.10704	222.95386	12.34661	0.1086278	0.23703903	2.5857675	20	—	—
214381 2005 LH_{34}	15.7	X	8.58039	107.29861	239.39450	10.16881	0.0442624	0.21679420	2.7443381	20	10 21.5	19.3
214382 2005 LY_{36}	16.4	X	205.10916	171.78759	114.06914	6.47726	0.1426666	0.23938390	2.5688540	20	—	—
214383 2005 LA_{44}	15.7	X	180.67548	45.32375	253.94233	8.68038	0.1948750	0.23667153	2.5884436	20	—	—
214384 2005 LM_{47}	16.2	X	356.34105	234.29182	52.21092	2.80405	0.0669161	0.20419397	2.8561046	20	7 15.7	19.7
214385 2005 LO_{49}	16.4	X	152.05558	203.08815	137.51079	6.12237	0.1703812	0.23812253	2.5779178	20	1 16.1	20.3
214386 2005 MU_{1}	15.2	X	271.51486	65.65200	162.72795	24.67312	0.2384259	0.24236663	2.5477345	20	—	—
214387 2005 MG_{2}	15.7	X	205.62281	238.57874	83.96480	8.20571	0.2608441	0.24270117	2.5453928	20	2 14.1	20.3
214388 2005 MS_{12}	16.6	X	107.42716	219.19193	127.92254	12.78313	0.1289590	0.23137159	2.6278225	20	—	—
214389 2005 MR_{16}	17.4	X	318.54279	174.04560	152.45738	1.64552	0.1811969	0.26107211	2.4245384	20	6 30.7	19.3
214390 2005 MQ_{23}	15.3	X	120.19489	124.37372	205.09453	14.50085	0.1214112	0.22959414	2.6413676	20	—	—
214391 2005 MY_{26}	15.3	X	152.26817	216.41974	142.92349	6.52366	0.0852485	0.16999404	3.2273564	20	2 8.6	20.2
214392 2005 MV_{38}	16.4	X	355.41646	40.47005	276.65567	1.01375	0.0557440	0.19894019	2.9061701	20	8 23.4	20.0
214393 2005 MK_{52}	16.5	X	310.18483	138.62439	143.86113	3.07356	0.0720185	0.18578453	3.0417932	20	5 1.1	20.5
214394 2005 NR_{2}	16.5	X	71.24319	143.21991	172.46200	1.60953	0.2234228	0.21339958	2.7733649	20	12 22.8	20.9
214395 2005 NT_{11}	16.4	X	218.41339	146.36431	95.98882	11.34686	0.1507649	0.23554070	2.5967217	20	—	—
214396 2005 NF_{14}	16.1	X	160.97180	243.32598	195.00685	2.19295	0.0579939	0.17994077	3.1072987	20	5 20.9	20.8
214397 2005 NV_{14}	16.0	X	215.38671	49.47236	208.24300	12.46347	0.2108734	0.23535259	2.5981052	20	—	—
214398 2005 NX_{20}	16.7	X	347.46389	286.82504	350.93573	5.95446	0.1921839	0.26086038	2.4258501	20	6 15.9	18.6
214399 2005 NO_{22}	16.2	X	334.66314	107.49645	197.13493	1.38557	0.1125162	0.19314651	2.9639996	20	7 2.3	19.6
214400 2005 NW_{47}	15.1	X	129.20412	309.78026	110.80874	13.98552	0.1057455	0.17620372	3.1510793	20	4 4.9	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
214401 2005 NV_{48}	15.4	X	304.07180	155.63467	179.64485	10.26560	0.1081313	0.19236846	2.9719863	20	6 24.8	19.4
214402 2005 NB_{54}	15.4	X	228.39907	134.55139	150.72279	5.73508	0.1589701	0.17221017	3.1996086	20	1 25.3	20.6
214403 2005 NG_{58}	16.4	X	53.21326	142.58661	161.65197	5.23587	0.1498291	0.20916988	2.8106275	20	11 12.6	20.3
214404 2005 NS_{67}	15.9	X	62.97449	254.60820	76.26317	7.96978	0.1867882	0.21343102	2.7730925	20	12 29.3	20.0
214405 2005 NG_{77}	15.7	X	208.03339	161.92230	226.52804	8.11147	0.0932967	0.18347947	3.0672163	20	5 9.0	20.5
214406 2005 NH_{85}	16.2	X	359.73344	261.52793	118.14614	6.44328	0.0558039	0.21320114	2.7750855	20	11 24.8	19.8
214407 2005 NN_{85}	15.9	X	91.08447	281.27461	134.06936	1.72078	0.1041640	0.16943589	3.2344401	20	2 8.8	20.4
214408 2005 NH_{87}	17.7	X	305.47010	184.61094	157.42934	1.35954	0.1895361	0.26103849	2.4247466	20	6 27.4	20.1
214409 2005 NQ_{87}	16.8	X	339.63133	169.70642	142.60127	2.59057	0.0700398	0.19688576	2.9263517	20	7 23.5	20.4
214410 2005 OG_{2}	15.7	X	90.15934	198.51567	111.84302	18.87155	0.1379391	0.21638854	2.7477668	20	12 28.1	20.0
214411 2005 OL_{2}	16.5	X	112.43443	213.25468	76.71302	9.13031	0.1955847	0.21727438	2.7402932	20	12 26.2	21.2
214412 2005 OY_{16}	15.8	X	252.68210	147.70147	194.50209	9.05611	0.0693750	0.18323806	3.0699096	20	5 4.2	20.2
214413 2005 OB_{17}	15.5	X	221.95352	157.45858	188.12802	10.38039	0.0711869	0.17810970	3.1285589	20	4 3.1	20.1
214414 2005 OV_{26}	16.4	X	119.53912	181.17012	107.27303	6.20658	0.1372692	0.21693498	2.7431506	20	12 28.9	20.6
214415 2005 OZ_{27}	16.2	X	167.46121	263.72035	353.17839	8.55881	0.0902736	0.21765888	2.7370651	20	—	—
214416 2005 PK	15.9	X	184.79416	243.43648	131.47081	10.18243	0.0124010	0.17892694	3.1190252	20	4 2.1	20.5
214417 2005 PJ_{4}	15.3	X	242.08635	297.38169	357.84889	16.07541	0.1025809	0.17390178	3.1788256	20	2 26.1	20.2
214418 2005 PH_{15}	15.0	X	353.04806	257.18289	335.41311	19.49463	0.1638520	0.18409747	3.0603482	20	4 11.7	18.8
214419 2005 PZ_{15}	15.9	X	309.45742	272.45603	59.13126	2.81121	0.1719868	0.19042754	2.9921467	20	6 19.1	19.6
214420 2005 PF_{22}	15.4	X	304.69498	136.55201	162.14250	9.50300	0.0764958	0.18425207	3.0586360	20	5 15.4	19.6
214421 2005 QN_{2}	16.7	X	88.09602	102.70256	225.25523	5.27030	0.1389714	0.28345607	2.2951560	20	—	—
214422 2005 QE_{6}	15.4	X	204.14608	236.50561	163.12149	17.02801	0.2273053	0.17849347	3.1240730	20	5 17.6	21.0
214423 2005 QY_{10}	15.9	X	346.97250	107.70283	151.76775	5.06013	0.0727702	0.18599166	3.0395345	20	5 25.1	19.8
214424 2005 QG_{16}	16.2	X	256.10741	344.60452	333.33636	0.35598	0.1579151	0.17800951	3.1297327	20	3 28.2	21.0
214425 2005 QL_{16}	15.1	X	83.49670	330.77607	152.83359	9.60773	0.0409486	0.17386603	3.1792613	20	4 16.3	19.6
214426 2005 QZ_{18}	15.8	X	295.98654	229.31313	69.78160	2.60688	0.1512147	0.18075812	3.0979246	20	4 21.3	19.9
214427 2005 QS_{27}	15.2	X	235.92924	179.18780	122.00065	6.20247	0.1034425	0.16856430	3.2455800	20	2 24.6	20.1
214428 2005 QG_{28}	15.7	X	317.51352	240.79930	17.61336	9.02487	0.1174139	0.17652008	3.1473132	20	4 4.1	19.7
214429 2005 QT_{42}	16.0	X	301.37404	279.52361	42.95193	2.94908	0.2031056	0.18680559	3.0306990	20	5 19.8	20.0
214430 2005 QJ_{54}	15.9	X	271.94406	189.80145	169.43997	11.70870	0.1448674	0.18605850	3.0388065	20	6 7.8	20.4
214431 2005 QN_{54}	15.9	X	210.02201	113.54515	226.42425	0.49502	0.1933553	0.17239336	3.1973416	20	3 11.3	21.4
214432 2005 QA_{57}	16.0	X	212.33624	139.49846	170.74454	5.13012	0.1301966	0.17009506	3.2260783	20	2 9.5	21.3
214433 2005 QF_{67}	15.5	X	245.26253	293.00921	39.78168	2.87901	0.1211548	0.17766619	3.1337633	20	4 8.3	20.3
214434 2005 QY_{73}	15.0	X	261.71834	179.88666	189.75616	17.52773	0.1365117	0.18313047	3.0711119	20	6 9.1	19.8
214435 2005 QM_{78}	15.6	X	322.36099	138.61748	183.04108	10.31993	0.1084826	0.18829739	3.0146705	20	7 4.2	19.5
214436 2005 QU_{83}	15.2	X	243.68005	190.19868	187.93356	9.56883	0.2214207	0.18103901	3.0947194	20	5 22.9	20.2
214437 2005 QY_{106}	14.9	X	101.40716	320.54774	16.12738	9.92897	0.1066072	0.15168641	3.4820762	20	—	—
214438 2005 QF_{115}	15.2	X	261.83042	177.65328	184.67022	12.08532	0.1242857	0.18241777	3.0791059	20	6 2.3	19.8
214439 2005 QS_{121}	15.6	X	324.73403	65.78364	171.95283	9.53141	0.0233036	0.17491143	3.1665809	20	3 31.5	20.0
214440 2005 QR_{140}	16.2	X	274.43504	132.08952	175.09382	8.30189	0.0488882	0.17891932	3.1191138	20	4 20.1	20.7
214441 2005 QN_{149}	15.3	X	355.68899	193.11845	87.39280	11.06093	0.0957424	0.19108819	2.9852461	20	7 5.4	18.9
214442 2005 QQ_{175}	15.4	X	226.30933	207.91879	160.58609	9.63796	0.0869413	0.17763684	3.1341085	20	5 7.0	20.2
214443 2005 QZ_{187}	15.9	X	328.73781	71.42276	175.88271	5.13331	0.0673529	0.17693489	3.1423922	20	4 12.8	19.9
214444 2005 RH_{4}	15.8	X	284.34529	133.05377	187.12698	5.10906	0.1360405	0.17969435	3.1101388	20	5 5.5	20.1
214445 2005 RS_{18}	15.7	X	335.68140	82.45523	166.07665	2.44333	0.1635278	0.18019837	3.1043367	20	4 13.9	19.2
214446 2005 ST_{3}	14.7	X	263.67190	268.38443	37.11116	17.76505	0.2136442	0.17302648	3.1895372	20	3 23.2	19.9
214447 2005 SA_{9}	14.9	X	298.92765	250.93847	34.68987	14.26145	0.1159139	0.18089169	3.0963994	20	4 14.4	19.0
214448 2005 SX_{23}	15.0	X	298.91483	153.85857	145.68572	11.28155	0.0753914	0.18009190	3.1055601	20	5 10.0	19.4
214449 2005 SC_{31}	15.5	X	201.05832	229.69806	179.12307	8.87905	0.2471444	0.17585661	3.1552244	20	5 23.4	21.1
214450 2005 SU_{47}	15.1	X	308.14883	289.80797	1.08566	9.76601	0.1532751	0.17927286	3.1150118	20	4 23.5	19.2
214451 2005 SL_{56}	16.3	X	281.57837	164.34958	150.17117	1.18376	0.2013539	0.17778062	3.1324185	20	4 15.4	20.8
214452 2005 SC_{70}	14.8	X	221.49654	167.32525	183.59555	13.56575	0.1289419	0.17118788	3.2123340	20	4 6.7	19.9
214453 2005 SO_{73}	14.9	X	335.29743	266.31706	38.73430	17.60166	0.2198932	0.18636728	3.0354490	20	6 23.2	18.3
214454 2005 SE_{77}	16.0	X	326.43813	180.82822	111.39459	1.28151	0.1430588	0.18406538	3.0607038	20	5 28.9	19.7
214455 2005 SL_{80}	15.7	X	265.87136	244.66311	71.48624	1.94826	0.1725579	0.17745624	3.1362345	20	4 4.3	20.4
214456 2005 SL_{81}	16.2	X	351.54600	111.74193	147.60758	2.02501	0.1372874	0.18318610	3.0704901	20	5 29.2	19.8
214457 2005 SZ_{89}	15.0	X	227.75328	143.64412	203.45042	17.15705	0.2611232	0.17327506	3.1864860	20	3 29.3	20.6
214458 2005 SS_{99}	15.8	X	329.21397	278.27506	1.18643	12.87241	0.3336179	0.18465538	3.0541808	20	4 13.4	19.0
214459 2005 SX_{114}	15.5	X	187.90270	54.76484	3.65518	9.90028	0.0753151	0.17604896	3.1529257	20	5 22.8	20.4
214460 2005 SM_{128}	15.2	X	291.51537	83.55322	213.09364	14.42920	0.1678502	0.17723707	3.1388195	20	4 8.2	19.7
214461 2005 SN_{130}	14.9	X	187.41667	322.08637	59.31930	13.05345	0.0524408	0.16952731	3.2332771	20	4 14.7	19.8
214462 2005 SL_{132}	15.0	X	285.21402	302.80625	23.87244	15.51095	0.2402286	0.18033650	3.1027512	20	4 26.5	19.5
214463 2005 SK_{138}	16.2	X	296.67098	229.17829	59.35374	2.03048	0.1264756	0.17737131	3.1372356	20	4 12.5	20.3
214464 2005 SW_{146}	15.3	X	267.65691	155.56726	197.20743	17.41063	0.2254422	0.18116737	3.0932575	20	5 15.2	20.1
214465 2005 SO_{166}	15.1	X	316.40252	256.23308	74.20151	10.56342	0.1351907	0.18691087	3.0295608	20	7 4.4	18.8
214466 2005 SY_{169}	15.1	X	325.24371	49.18876	243.59554	4.50256	0.1222768	0.18290183	3.0736708	20	5 29.9	18.9
214467 2005 ST_{196}	16.2	X	318.70854	178.83292	87.29119	1.59869	0.2252721	0.18001352	3.1064614	20	3 31.2	20.1
214468 2005 SH_{202}	15.6	X	266.28483	324.26546	6.47163	7.09531	0.1776490	0.18005787	3.1059513	20	4 19.3	20.4
214469 2005 SG_{213}	14.9	X	308.71892	84.58118	210.83428	16.29437	0.1896149	0.17839196	3.1252580	20	4 28.3	18.9
214470 2005 SU_{221}	15.3	X	225.36053	267.27965	100.39104	10.83096	0.2488302	0.17717826	3.1395140	20	4 26.5	20.8
214471 2005 SO_{249}	15.5	X	270.50577	249.46681	47.08044	6.95128	0.1917631	0.17567899	3.1573508	20	3 16.9	20.3
214472 2005 SO_{282}	14.9	X	210.84248	67.68459	74.48239	12.18908	0.1249555	0.12655286	3.9290547	20	9 27.3	21.0
214473 2005 TH_{2}	15.3	X	243.13912	222.84360	73.75152	5.39921	0.1391289	0.16982115	3.2295464	20	2 24.5	20.4
214474 2005 TB_{14}	15.5	X	215.05449	284.09817	105.15759	6.20071	0.1411006	0.17871576	3.1214819	20	5 16.2	20.5
214475 Chrisbayus	15.3	X	351.66897	217.06648	47.53789	11.11793	0.1442012	0.18616328	3.0376661	20	6 3.6	18.7
214476 Stephencolbert	15.1	X	277.28937	146.35590	156.21832	9.45671	0.0656255	0.17454194	3.1710482	20	4 16.8	19.7
214477 2005 TX_{44}	15.1	X	302.29694	281.46089	52.15843	26.20028	0.2694793	0.18253516	3.0777856	20	5 22.6	19.0
214478 2005 TR_{63}	15.7	X	331.79391	270.77109	30.86105	2.30074	0.2508229	0.18639574	3.0351400	20	6 7.7	18.7
214479 2005 TB_{73}	14.6	X	291.63907	256.83786	59.74886	15.53855	0.1992508	0.18029785	3.1031946	20	5 2.8	18.9
214480 2005 TH_{74}	14.5	X	140.76673	164.56322	185.96054	18.58940	0.1776467	0.15535955	3.4269736	20	1 25.2	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
214481 2005 TQ_{99}	15.4	X	325.69835	78.59705	213.03018	9.91490	0.2042815	0.18334854	3.0686763	20	5 19.5	18.9
214482 2005 TF_{106}	15.2	X	148.76659	133.08452	218.15805	14.45843	0.0949995	0.15665128	3.4081085	20	1 25.2	20.6
214483 2005 TV_{168}	14.6	X	179.53422	154.93919	19.76799	2.69147	0.1401687	0.12579428	3.9448345	20	9 29.3	20.6
214484 2005 TW_{190}	15.2	X	248.00158	149.15844	183.19213	12.54182	0.1039729	0.17122488	3.2118714	20	4 13.6	20.0
214485 Dupouy	15.1	X	298.60404	78.85587	224.04468	6.22715	0.1558318	0.17698940	3.1417470	20	4 28.1	19.4
214486 2005 UF_{10}	14.7	X	331.04801	219.38702	53.84984	14.08238	0.3153165	0.18252052	3.0779502	20	4 20.1	18.0
214487 Baranivka	15.4	X	270.83632	259.06620	63.38199	6.37131	0.1393217	0.17574660	3.1565410	20	4 22.5	19.9
214488 2005 UL_{45}	15.4	X	241.84851	157.90847	193.99548	12.27603	0.1193861	0.17478000	3.1681681	20	4 29.0	20.3
214489 2005 UD_{48}	17.4	X	69.18528	280.17909	132.33399	3.13965	0.1631058	0.28547344	2.2843303	20	—	—
214490 2005 UW_{53}	15.1	X	306.57090	89.70603	207.64077	25.34894	0.2110909	0.17892509	3.1190468	20	4 24.3	19.0
214491 2005 UB_{127}	15.3	X	326.01989	247.13317	46.41513	17.04475	0.2246349	0.17960907	3.1111231	20	5 17.2	18.8
214492 2005 UA_{208}	15.8	X	265.70758	168.07572	137.45460	1.01303	0.1728567	0.17224305	3.1992014	20	3 22.3	20.5
214493 2005 US_{251}	15.2	X	287.41882	277.22721	38.66701	10.58082	0.2736156	0.17788367	3.1312086	20	4 15.1	19.7
214494 2005 UD_{253}	16.0	X	343.62673	6.08405	32.02548	7.27756	0.0282301	0.19877731	2.9077575	20	11 18.0	19.8
214495 2005 UO_{435}	15.6	X	96.73883	86.79028	71.30246	3.95236	0.1550317	0.17138999	3.2098082	20	6 27.6	20.4
214496 2005 VW_{52}	16.3	X	126.78981	186.22637	183.32415	4.88991	0.1728578	0.22093731	2.7099212	20	1 27.2	20.3
214497 2005 VK_{82}	17.0	X	193.76590	79.69769	28.90732	21.57906	0.0795056	0.38053034	1.8860065	20	9 4.4	19.6
214498 2005 WZ_{4}	15.2	X	249.18003	245.05035	116.97276	14.70185	0.3137997	0.17616619	3.1515268	20	5 5.1	20.8
214499 2005 WG_{52}	15.2	X	283.90645	256.14357	68.81993	13.07818	0.2429197	0.17554383	3.1589712	20	4 28.8	19.9
214500 2005 WA_{154}	15.1	X	264.17439	236.06314	93.70630	6.08559	0.1614224	0.17420248	3.1751664	20	4 22.2	19.9
214501 2005 WZ_{192}	15.5	X	297.49442	197.75046	128.02300	8.82246	0.2506341	0.17965039	3.1106461	20	5 14.6	19.7
214502 2005 WN_{195}	16.7	X	142.00508	47.53025	70.16163	24.16653	0.0796253	0.37112202	1.9177481	20	6 21.3	19.0
214503 2005 XA_{61}	17.7	X	159.47680	84.94781	249.23405	3.18452	0.2198672	0.28727533	2.2747683	20	1 13.4	21.0
214504 2005 YG	16.7	X	194.01324	48.18441	26.96657	21.73954	0.0963432	0.37501131	1.9044656	20	6 25.0	19.5
214505 2005 YJ_{120}	16.7	X	247.38269	162.05961	252.47400	2.61589	0.1232968	0.24406669	2.5358898	20	7 23.8	20.1
214506 2005 YW_{236}	13.7	X	297.63346	111.04513	149.06992	2.04024	0.0195668	0.08370432	5.1757205	20	3 31.7	20.6
214507 2006 AF_{19}	16.1	X	261.28276	187.83374	152.25624	4.43454	0.1076956	0.22580769	2.6708135	20	5 5.8	19.8
214508 2006 AF_{84}	12.7	X	280.22460	240.90348	40.75598	16.07885	0.0638359	0.08490134	5.1269573	20	4 3.8	19.6
214509 2006 BO_{89}	16.5	X	294.94784	308.91085	358.76926	2.24582	0.1234518	0.22619081	2.6677968	20	5 1.7	19.8
214510 2006 BZ_{164}	16.2	X	86.35713	347.90243	330.40611	4.65350	0.1328663	0.18398645	3.0615791	20	12 26.4	21.0
214511 2006 BA_{213}	12.6	X	282.26672	137.41303	157.34719	16.24091	0.0726663	0.08211649	5.2422269	20	4 18.6	19.6
214512 2006 BL_{264}	16.7	X	241.14394	226.80876	52.41023	3.00311	0.1961808	0.27230244	2.3574095	20	1 17.6	20.5
214513 2006 CM_{15}	15.1	X	122.19408	140.38424	118.25883	11.96286	0.0640693	0.18226755	3.0807975	20	11 20.6	19.9
214514 2006 DB_{20}	12.8	X	209.20236	229.25570	142.61818	16.39467	0.0577362	0.08349961	5.1841760	20	4 30.6	20.1
214515 2006 DX_{194}	16.4	X	116.65388	89.75469	285.37414	0.94544	0.0872871	0.20375023	2.8602499	20	1 14.8	20.2
214516 2006 EH_{63}	15.9	X	75.69388	21.20502	192.15694	14.89666	0.0246857	0.22775561	2.6555633	20	7 24.5	19.8
214517 2006 FO	15.4	X	247.70699	356.89159	159.97172	7.75693	0.1310764	0.18321680	3.0701472	20	11 25.8	19.8
214518 2006 GC_{33}	16.2	X	231.47983	280.78891	140.02551	3.00804	0.0933669	0.22739761	2.6583497	20	7 15.9	20.0
214519 2006 HU_{26}	17.1	X	312.27766	206.00408	133.09500	7.79570	0.1802855	0.28786616	2.2716546	20	7 10.0	18.8
214520 2006 HG_{78}	17.2	X	106.12539	123.30377	188.81289	3.19946	0.1004254	0.31640671	2.1329086	20	—	—
214521 2006 HO_{92}	17.1	X	200.32985	292.03866	124.92755	4.39497	0.1193335	0.28597414	2.2816632	20	6 5.3	20.4
214522 2006 HF_{97}	17.3	X	203.68879	86.94907	39.65858	4.19261	0.0995096	0.30235439	2.1984935	20	9 19.0	20.0
214523 2006 JD_{17}	17.7	X	196.81287	118.87898	112.07341	1.77877	0.0703501	0.31892691	2.1216575	20	—	—
214524 2006 JC_{35}	17.1	X	26.52125	238.83223	89.50055	5.70694	0.1780834	0.30050281	2.2075152	20	12 3.7	19.6
214525 2006 KH_{4}	17.7	X	138.23860	159.07686	68.97846	5.57973	0.1117509	0.30644399	2.1788900	20	11 19.5	20.6
214526 2006 KD_{6}	18.0	X	255.64232	4.57757	66.42009	1.11187	0.0556841	0.29894209	2.2151918	20	9 15.8	20.4
214527 2006 KV_{7}	17.1	X	4.64645	301.22542	65.12610	5.02353	0.1542891	0.30408008	2.1901678	20	12 22.4	19.3
214528 2006 KS_{41}	15.7	X	103.63041	169.16048	77.88267	15.47489	0.1001768	0.23215023	2.6219434	20	10 31.1	19.8
214529 2006 KU_{41}	16.8	X	64.99092	304.10238	50.12385	3.03116	0.2450328	0.31372147	2.1450622	20	—	—
214530 2006 KG_{50}	17.7	X	225.33657	253.61376	204.67876	4.34678	0.0633399	0.29886472	2.2155741	20	9 8.1	20.2
214531 2006 KZ_{94}	16.9	X	114.65271	219.39481	219.98454	7.28676	0.0806476	0.27286691	2.3541572	20	3 23.1	19.9
214532 2006 KP_{98}	17.4	X	202.16859	185.34645	183.99797	6.00212	0.1188579	0.27242551	2.3566995	20	4 4.8	20.8
214533 2006 LF_{5}	17.1	X	57.41580	182.46235	110.26515	8.22686	0.1664024	0.29394692	2.2402171	20	11 22.1	20.2
214534 2006 LC_{6}	17.1	X	11.16078	211.52857	77.61934	2.94825	0.2125054	0.28516635	2.2859700	20	9 14.2	18.9
214535 2006 MR_{3}	16.9	X	75.54022	192.76830	70.27413	5.34377	0.1134621	0.29700565	2.2248099	20	10 28.1	19.7
214536 2006 ME_{6}	16.3	X	296.78900	173.22280	109.16018	7.58027	0.1062616	0.26902824	2.3764981	20	4 4.5	19.3
214537 2006 MV_{9}	16.6	X	200.56898	142.75196	173.02619	2.24827	0.2126654	0.25498127	2.4629969	20	1 28.9	20.8
214538 2006 ON_{3}	16.8	X	313.65437	138.27789	203.70315	5.50892	0.2544204	0.28042808	2.3116481	20	7 3.5	18.5
214539 2006 OW_{7}	17.3	X	254.14019	131.05989	193.32477	1.90357	0.1925314	0.26621537	2.3932090	20	3 25.1	20.8
214540 2006 OB_{9}	16.6	X	339.38655	186.64337	154.29432	7.15293	0.1734379	0.28426530	2.2907981	20	9 21.6	18.1
214541 2006 OE_{9}	17.0	X	223.90273	70.80359	262.87452	0.76238	0.1981311	0.26007494	2.4307318	20	3 9.1	21.0
214542 2006 OV_{9}	17.7	X	305.32386	261.71386	22.43668	1.37091	0.1792143	0.27011556	2.3701163	20	4 3.0	20.2
214543 2006 OY_{9}	17.1	X	310.41350	165.32069	169.47561	2.13158	0.2277672	0.27932190	2.3177472	20	6 19.7	19.2
214544 2006 OP_{13}	16.7	X	267.35167	182.10462	150.33864	8.40416	0.2343879	0.27014674	2.3699339	20	4 16.4	20.3
214545 2006 OV_{17}	16.4	X	177.18472	318.03603	46.21239	7.04876	0.1492957	0.25679321	2.4513972	20	3 9.3	20.3
214546 2006 OF_{20}	16.6	X	267.72675	245.18918	47.02706	7.53582	0.1261200	0.26322035	2.4113286	20	3 9.3	20.1
214547 2006 OC_{21}	17.4	X	185.25448	85.00353	220.92972	0.18580	0.1409377	0.24454432	2.5325867	20	1 3.2	21.1
214548 2006 PL_{7}	17.0	X	224.29652	307.99949	17.71722	1.54859	0.2009870	0.25960427	2.4336689	20	2 29.6	21.1
214549 2006 PB_{9}	17.1	X	344.42576	93.52487	145.84191	1.77613	0.1547826	0.26960745	2.3730932	20	4 9.9	19.3
214550 2006 PD_{14}	16.7	X	278.93215	265.55123	69.95029	7.65775	0.1378289	0.27151163	2.3619847	20	5 15.9	19.6
214551 2006 PF_{15}	15.8	X	248.19563	174.02813	184.46843	2.61832	0.0964009	0.19740886	2.9211798	20	5 15.2	20.0
214552 2006 PG_{16}	17.1	X	31.89818	114.45249	178.83583	4.23590	0.2192575	0.28744740	2.2738604	20	10 27.5	19.7
214553 2006 PL_{16}	16.5	X	214.19001	248.51415	125.36850	8.70626	0.2513070	0.26234473	2.4166911	20	4 21.9	20.8
214554 2006 PD_{20}	17.2	X	323.93446	249.76655	60.56488	6.39042	0.2654883	0.27734901	2.3287255	20	6 1.2	18.6
214555 2006 PR_{23}	16.8	X	49.57235	200.75878	91.42333	7.86195	0.1390683	0.29189694	2.2506935	20	11 8.5	19.7
214556 2006 PD_{35}	17.2	X	80.83943	175.15872	84.14402	7.37803	0.1788939	0.29417880	2.2390398	20	11 4.9	20.5
214557 2006 PS_{35}	16.6	X	319.45981	244.09223	79.82400	7.56999	0.1433920	0.27900738	2.3194886	20	7 5.4	18.6
214558 2006 QB_{1}	16.5	X	246.33694	245.48089	294.58754	11.88543	0.1947284	0.23495300	2.6010501	20	12 25.7	19.8
214559 2006 QS_{1}	17.3	X	4.56506	127.80911	151.50966	2.97750	0.1600625	0.28218787	2.3020274	20	8 2.0	18.9
214560 2006 QG_{5}	15.5	X	66.23427	268.83049	173.97457	9.53112	0.0773579	0.17543905	3.1602288	20	2 3.4	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
214561 2006 QU_5	16.4	X	275.10602	251.40241	90.74038	7.21828	0.1743122	0.27085012	2.3658291	20	5 15.3	19.5
214562 2006 QE_8	15.9	X	298.57896	258.51588	141.16114	4.24004	0.0970465	0.21321523	2.7749632	20	9 17.8	19.3
214563 2006 QD_{10}	16.5	X	34.58258	271.00355	97.46461	3.03917	0.0981192	0.22602152	2.6691287	20	—	—
214564 2006 QD_{13}	17.1	X	331.26553	242.27745	50.06447	6.04138	0.2341768	0.27590903	2.3368209	20	5 24.7	18.6
214565 2006 QH_{13}	17.4	X	60.12640	163.64904	111.02212	8.47179	0.2375668	0.29139585	2.2532730	20	11 10.2	20.7
214566 2006 QU_{13}	15.1	X	124.89222	200.68853	162.11800	15.50839	0.1668844	0.17418350	3.1753971	20	1 22.4	20.0
214567 2006 QK_{16}	16.2	X	268.51089	351.15441	335.30804	9.94230	0.2622079	0.26815796	2.3816371	20	3 30.9	20.1
214568 2006 QV_{21}	17.1	X	249.02956	296.06496	34.66319	1.92809	0.1554414	0.26521579	2.3992185	20	4 1.1	20.4
214569 2006 QZ_{25}	16.1	X	72.11750	188.90253	205.23040	13.59883	0.1482909	0.23946790	2.5682532	20	—	—
214570 2006 QN_{28}	15.9	X	48.77030	203.61299	166.21534	14.52644	0.1205215	0.22884980	2.6470919	20	—	—
214571 2006 QK_{35}	17.5	X	298.02656	277.64916	27.31997	1.70417	0.1932481	0.27038227	2.3685574	20	4 19.4	20.4
214572 2006 QV_{36}	17.0	X	290.35052	237.72942	40.16436	2.82321	0.1925751	0.26590927	2.3950453	20	3 5.3	20.1
214573 2006 QH_{38}	15.9	X	66.56858	329.74351	3.25108	13.88647	0.2600260	0.22692729	2.6620215	20	—	—
214574 2006 QU_{38}	17.0	X	309.91726	168.03308	124.58105	5.19726	0.2042120	0.27093185	2.3653532	20	4 20.7	19.7
214575 2006 QJ_{42}	16.9	X	294.64044	194.12243	104.78980	3.19166	0.1021831	0.26775663	2.3840163	20	4 22.8	19.7
214576 2006 QL_{45}	17.2	X	249.71589	337.11748	352.79042	2.09996	0.1806369	0.26332647	2.4106808	20	3 28.8	20.9
214577 2006 QN_{45}	17.4	X	284.50684	331.51025	326.77884	0.43355	0.1802026	0.26599721	2.3945174	20	3 25.5	20.5
214578 2006 QB_{46}	16.3	X	267.41647	278.62060	40.05999	7.35354	0.1331980	0.26472295	2.4021953	20	4 9.5	19.6
214579 2006 QB_{48}	17.0	X	347.81325	141.65497	152.01146	11.68510	0.1841518	0.27786451	2.3258444	20	7 16.4	18.8
214580 2006 QB_{50}	15.4	X	187.65422	172.68562	152.35162	12.40165	0.1113625	0.17869838	3.1216843	20	2 3.2	20.3
214581 2006 QG_{51}	17.1	X	245.56276	261.27301	65.56255	2.30271	0.1947094	0.26281694	2.4137955	20	3 21.3	21.0
214582 2006 QJ_{52}	16.4	X	229.01380	236.03603	119.91031	5.01599	0.1493326	0.26386716	2.4073865	20	4 15.8	20.1
214583 2006 QL_{52}	16.7	X	274.71526	195.01511	102.56307	2.81754	0.1446103	0.26413515	2.4057579	20	3 19.6	20.0
214584 2006 QN_{55}	16.1	X	135.79375	148.51573	149.75043	14.33451	0.0350866	0.23492463	2.6012595	20	—	—
214585 2006 QM_{62}	17.0	X	289.23618	246.36265	83.03816	4.17665	0.1924417	0.27182295	2.3601810	20	5 12.7	19.7
214586 2006 QU_{67}	16.6	X	324.46677	165.43998	145.57277	2.45421	0.0217280	0.20225527	2.8743268	20	7 2.4	20.3
214587 2006 QT_{74}	16.1	X	311.96490	181.35662	6.51842	2.60294	0.0320773	0.24719226	2.5144681	20	—	—
214588 2006 QX_{81}	16.1	X	1.51318	192.84841	169.69751	5.00304	0.1426215	0.21696469	2.7429002	20	11 15.5	19.3
214589 2006 QO_{82}	17.3	X	281.48287	119.83132	193.78103	1.63819	0.2384891	0.26652068	2.3913810	20	4 3.5	20.5
214590 2006 QC_{89}	16.0	X	276.88707	297.93540	51.50274	2.72506	0.0776161	0.19793374	2.9160133	20	6 9.9	20.1
214591 2006 QN_{110}	16.5	X	22.44213	2.26546	48.95621	5.49500	0.0806345	0.22966390	2.6408328	20	—	—
214592 2006 QX_{125}	16.1	X	340.02338	350.84443	23.75345	9.38317	0.1545425	0.21609776	2.7502312	20	10 23.0	18.9
214593 2006 QH_{131}	16.8	X	326.87371	284.61133	28.38513	8.58367	0.2092512	0.27576536	2.3376325	20	6 23.9	18.7
214594 2006 QS_{132}	16.0	X	153.82058	133.49607	191.49974	14.91800	0.1586597	0.24566167	2.5249015	20	—	—
214595 2006 QC_{136}	16.1	X	252.14298	38.39483	252.64639	5.43736	0.0922393	0.25562389	2.4588673	20	2 17.2	19.7
214596 2006 QF_{148}	17.1	X	332.84051	124.29893	124.51815	2.07394	0.1403580	0.26371182	2.4083318	20	4 5.1	19.4
214597 2006 QO_{148}	16.6	X	275.39954	38.63360	30.11118	4.81788	0.0768252	0.21146788	2.7902285	20	9 24.9	20.2
214598 2006 QX_{148}	16.9	X	333.38879	215.44796	49.88264	3.72372	0.1842511	0.26827629	2.3809367	20	4 23.9	18.8
214599 2006 QO_{161}	16.7	X	24.78335	174.64307	172.35667	9.52563	0.1331392	0.21912385	2.7248522	20	11 29.9	20.3
214600 2006 QW_{162}	16.0	X	226.48440	302.91101	313.88212	5.09151	0.1090767	0.24323266	2.5416834	20	—	—
214601 2006 QY_{165}	16.0	X	7.30601	135.95876	232.99495	5.49532	0.0361611	0.21922690	2.7239982	20	11 19.3	19.4
214602 2006 QM_{167}	15.9	X	307.96103	297.62455	137.75361	7.84970	0.0648224	0.22077920	2.7112149	20	11 24.5	19.4
214603 2006 QD_{182}	16.1	X	303.72796	323.06533	91.88010	6.48192	0.0774445	0.21414755	2.7669032	20	10 20.7	19.5
214604 2006 RW_6	16.9	X	341.97432	102.76334	201.50777	7.62262	0.2633399	0.27597398	2.3364543	20	7 15.7	18.2
214605 2006 RR_{11}	16.0	X	107.50520	153.96271	169.78503	14.41549	0.1063033	0.23084674	2.6318040	20	—	—
214606 2006 RE_{19}	16.5	X	74.39259	200.94431	186.26810	11.59671	0.2432501	0.23219754	2.6215872	20	—	—
214607 2006 RF_{22}	16.1	X	318.04033	264.98394	38.72371	5.40921	0.3075205	0.27111620	2.3642809	20	4 29.7	18.4
214608 2006 RB_{23}	15.7	X	81.78613	236.65375	130.46518	13.04714	0.2395187	0.23301121	2.6154806	20	—	—
214609 2006 RE_{33}	16.7	X	294.57910	191.13780	127.44516	0.93351	0.2291603	0.26832278	2.3806617	20	4 28.4	19.6
214610 2006 RL_{34}	16.3	X	61.71905	321.33784	355.27184	2.80100	0.1694558	0.22131955	2.7068002	20	12 10.3	20.2
214611 2006 RH_{36}	15.9	X	47.50725	165.68591	210.85551	13.24146	0.1922848	0.22645734	2.6657031	20	—	—
214612 2006 RS_{36}	16.1	X	309.48521	200.15018	204.17865	9.26631	0.1749891	0.21369753	2.7707864	20	10 2.6	19.0
214613 2006 RA_{39}	17.0	X	328.67654	307.57040	356.47353	1.81845	0.2265509	0.27321039	2.3521837	20	6 9.6	18.8
214614 2006 RN_{44}	17.1	X	169.72638	276.98055	25.11794	3.66120	0.1239851	0.23850333	2.5751730	20	—	—
214615 2006 RP_{51}	15.7	X	194.76479	37.87726	19.94091	9.77605	0.0767620	0.18976346	2.9991233	20	5 29.9	20.4
214616 2006 RQ_{52}	16.4	X	84.01531	264.28445	27.63783	4.03292	0.0390302	0.21660064	2.7459728	20	11 18.4	20.1
214617 2006 RP_{56}	16.6	X	165.22383	265.90654	174.02091	1.78488	0.1330005	0.18702801	3.0282957	20	5 29.8	21.5
214618 2006 RP_{58}	16.6	X	92.77670	248.29509	17.40732	4.16237	0.0278170	0.21491376	2.7603230	20	10 25.6	20.5
214619 2006 RC_{65}	16.2	X	311.59029	209.90744	202.57577	1.35806	0.0648390	0.21702119	2.7424242	20	10 27.7	19.7
214620 2006 RG_{66}	16.6	X	286.94540	209.97036	109.93564	8.45405	0.1152658	0.26719081	2.3873808	20	5 11.2	19.6
214621 2006 RQ_{76}	16.6	X	324.68069	290.71757	100.73026	1.78608	0.0786290	0.21356381	2.7719429	20	10 19.3	19.8
214622 2006 RC_{79}	16.3	X	213.21648	3.17146	115.14830	1.61720	0.0243803	0.20902787	2.8119003	20	9 14.8	20.2
214623 2006 RT_{84}	16.5	X	68.04969	332.43169	323.43112	0.99175	0.0553459	0.21625826	2.7488703	20	11 6.4	20.4
214624 2006 RE_{85}	16.6	X	239.61930	215.79250	10.31380	1.12239	0.1333497	0.23724427	2.5842760	20	—	—
214625 2006 RC_{91}	16.8	X	69.36632	147.21030	190.54446	4.14709	0.0866388	0.22410607	2.6843160	20	—	—
214626 2006 RU_{91}	17.2	X	253.92406	279.49648	8.60112	5.17168	0.1939384	0.25437901	2.4668829	20	2 11.6	21.1
214627 2006 RR_{93}	16.6	X	107.59076	45.08624	226.67262	5.00879	0.0367446	0.21741280	2.7391300	20	11 22.0	20.4
214628 2006 RU_{96}	15.9	X	199.16210	236.48490	10.77741	3.51377	0.1510075	0.23261635	2.6184396	20	—	—
214629 2006 RO_{98}	15.9	X	312.42231	323.43350	31.42127	15.68870	0.1533656	0.20260163	2.8710500	20	8 7.0	19.6
214630 2006 RU_{98}	16.4	X	32.28297	215.62588	84.95766	0.48008	0.0517699	0.21351881	2.7723323	20	9 26.5	20.1
214631 2006 RH_{99}	15.7	X	351.66278	316.36456	3.28312	12.05584	0.0427621	0.20692334	2.8309339	20	8 26.5	19.4
214632 2006 RT_{101}	16.9	X	35.15672	177.30400	98.40441	6.09682	0.1503212	0.28334322	2.2957654	20	9 27.1	19.5
214633 2006 RP_{120}	17.7	X	246.38781	266.81847	28.85202	2.47849	0.1811956	0.25361008	2.4718667	20	2 14.2	21.5
214634 2006 SR_4	15.6	X	93.27357	149.43744	199.38157	12.83552	0.1951773	0.22814058	2.6525751	20	—	—
214635 2006 SY_4	16.0	X	9.78575	131.34039	233.82959	4.34784	0.0769263	0.21777068	2.7361282	20	11 22.3	19.4
214636 2006 SB_{12}	15.1	X	174.57103	46.83122	2.84920	12.54186	0.1216604	0.18388789	3.0626729	20	4 27.3	20.1
214637 2006 SN_{18}	16.2	X	114.28554	177.99518	137.92296	3.79001	0.1058716	0.22903316	2.6456789	20	—	—
214638 2006 SY_{19}	15.4	X	203.46501	310.61986	22.11735	5.36008	0.1779803	0.17803112	3.1294794	20	2 28.8	20.7
214639 2006 SU_{23}	16.1	X	20.89905	314.71011	40.95687	6.26393	0.0292073	0.21884685	2.7271510	20	11 18.7	19.6
214640 2006 SB_{41}	16.4	X	50.71578	206.00529	77.30460	1.58607	0.0382838	0.21031050	2.8004560	20	9 26.9	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
214641 2006 SY_{52}	15.9	X	209.38673	63.20847	83.99514	4.44908	0.0148802	0.21442966	2.7644759	20	10 20.4	19.6
214642 2006 SA_{56}	15.7	X	143.07880	285.69533	169.86389	10.60621	0.0520752	0.18740819	3.0241988	20	5 23.4	20.3
214643 2006 SA_{57}	16.4	X	355.35252	287.01324	20.69806	10.38456	0.1015037	0.20235919	2.8733427	20	8 18.1	20.0
214644 2006 SM_{60}	16.1	X	354.64212	296.19807	89.68264	6.84418	0.0801181	0.21745420	2.7387823	20	11 28.2	19.4
214645 2006 SA_{62}	15.8	X	190.59359	8.95756	13.96632	13.68154	0.1881200	0.18461848	3.0545878	20	4 12.6	20.9
214646 2006 SA_{67}	16.0	X	37.21674	315.72165	168.94328	1.08427	0.1564979	0.17181931	3.2044592	20	2 21.7	19.5
214647 2006 SL_{69}	16.2	X	337.19132	175.37755	162.32695	3.02679	0.0344216	0.20648652	2.8349250	20	8 25.2	19.9
214648 2006 SQ_{71}	16.6	X	77.39534	241.46433	64.40630	2.16326	0.1401830	0.21963834	2.7205953	20	12 10.3	20.6
214649 2006 SB_{72}	16.4	X	117.04931	212.13872	44.55580	5.46124	0.0752445	0.21594689	2.7515120	20	11 15.6	20.5
214650 2006 SK_{74}	16.3	X	158.47090	244.80995	166.54285	5.69224	0.1467456	0.18015319	3.1048557	20	4 20.7	21.3
214651 2006 SK_{75}	15.6	X	319.65759	92.18852	182.80215	10.27361	0.0687371	0.18818345	3.0158872	20	5 5.9	19.6
214652 2006 SR_{75}	15.8	X	72.62739	58.13696	38.32211	9.24942	0.0939182	0.17134861	3.2103249	20	3 8.4	20.2
214653 2006 SZ_{76}	16.2	X	25.70870	178.53265	192.83985	12.43663	0.1785101	0.21984760	2.7188687	20	—	—
214654 2006 SW_{82}	17.1	X	173.52997	155.28255	128.37903	1.20900	0.0950332	0.23500607	2.6006585	20	—	—
214655 2006 SV_{93}	16.3	X	51.82375	140.06925	196.12323	10.60525	0.0935117	0.21863561	2.7289073	20	12 13.6	20.3
214656 2006 SV_{98}	16.8	X	177.10143	74.26485	195.16829	5.92153	0.1280229	0.23223219	2.6213264	20	—	—
214657 2006 SQ_{101}	17.3	X	163.43190	37.38647	18.19285	2.72368	0.1917656	0.25712078	2.4493147	20	4 27.9	21.3
214658 2006 ST_{101}	15.8	X	293.82636	141.01876	160.39147	9.49877	0.0555632	0.19290110	2.9665130	20	5 7.1	20.0
214659 2006 SX_{108}	16.6	X	26.39836	332.11642	24.94187	6.76625	0.0860238	0.21762049	2.7373870	20	12 4.9	20.3
214660 2006 SV_{110}	16.1	X	291.13576	217.29779	110.04940	7.86156	0.2226378	0.26943242	2.3741208	20	5 9.8	19.1
214661 2006 SM_{111}	16.2	X	66.87019	326.11428	23.13684	13.14020	0.2359814	0.22660971	2.6645081	20	—	—
214662 2006 SF_{115}	16.2	X	64.84379	123.13321	186.78457	3.38694	0.1084207	0.21948381	2.7218722	20	11 28.7	20.0
214663 2006 SZ_{119}	15.8	X	303.21467	300.51583	99.82644	6.49669	0.0353315	0.21038698	2.7997772	20	10 3.7	19.5
214664 2006 SS_{122}	15.7	X	215.25265	9.90455	204.45575	11.60022	0.1273067	0.23041885	2.6350613	20	—	—
214665 2006 SF_{128}	16.2	X	357.87694	294.90602	77.34442	5.67792	0.1350611	0.21730863	2.7400053	20	11 20.9	19.2
214666 2006 SM_{130}	16.0	X	164.13544	269.52432	30.37863	8.14617	0.1056475	0.23493156	2.6012084	20	—	—
214667 2006 SW_{137}	15.4	X	125.41336	312.24022	119.53492	15.66611	0.2053413	0.17921081	3.1157307	20	4 24.4	20.6
214668 2006 SL_{142}	16.2	X	283.21841	68.38566	14.91067	4.97031	0.1009626	0.21619874	2.7493747	20	10 21.1	19.5
214669 2006 SZ_{147}	15.7	X	56.22299	306.77224	195.67588	16.70472	0.1636044	0.17801234	3.1296995	20	4 17.6	19.6
214670 2006 SU_{159}	15.9	X	23.09172	163.83191	44.18383	4.26940	0.0295228	0.18567676	3.0429701	20	5 8.4	20.0
214671 2006 SN_{161}	16.4	X	303.21520	325.58417	97.51895	1.76099	0.0573993	0.21278233	2.7787256	20	10 29.4	19.7
214672 2006 SA_{182}	15.9	X	78.25426	266.54792	70.65872	15.29837	0.0662964	0.22464415	2.6800278	20	—	—
214673 2006 SU_{182}	16.7	X	356.40056	164.29347	199.00653	3.30213	0.1060812	0.21357750	2.7718244	20	11 2.2	19.9
214674 2006 SV_{185}	16.0	X	40.21106	177.21317	29.38311	3.47921	0.0983085	0.18671672	3.0316605	20	6 6.4	19.9
214675 2006 SZ_{187}	17.4	X	298.22844	47.48405	30.47960	4.42634	0.1884135	0.21439149	2.7648040	20	10 28.3	20.0
214676 2006 SA_{189}	16.2	X	267.23311	33.91701	50.58094	4.27159	0.0655605	0.21153691	2.7896215	20	10 6.0	19.9
214677 2006 SU_{189}	16.2	X	36.21231	163.24708	169.97378	5.00586	0.0384499	0.21818247	2.7326844	20	11 13.3	19.9
214678 2006 SR_{197}	16.1	X	310.54539	1.83941	37.58695	6.52665	0.0419131	0.21365174	2.7711823	20	10 10.8	19.5
214679 2006 SC_{200}	16.7	X	262.94728	109.00210	308.88457	1.10026	0.0554099	0.20331670	2.8643144	20	8 24.8	20.6
214680 2006 SK_{204}	16.2	X	60.82215	358.96066	161.64541	4.38283	0.0569186	0.18530087	3.0470839	20	5 3.3	20.2
214681 2006 SQ_{207}	16.2	X	88.34728	265.65055	8.93440	10.96935	0.1738336	0.21591030	2.7518229	20	11 12.9	20.6
214682 2006 SH_{211}	15.4	X	246.68337	227.44677	157.48141	12.51065	0.0736360	0.19421460	2.9531226	20	6 19.4	19.9
214683 2006 SA_{212}	16.2	X	115.51785	210.96136	42.65796	4.53605	0.0512246	0.21418842	2.7665513	20	11 8.7	20.0
214684 2006 SR_{216}	16.2	X	236.87939	191.16780	41.44485	6.08185	0.1008042	0.23670385	2.5882080	20	—	—
214685 2006 SC_{217}	16.3	X	223.16617	195.68537	175.87128	9.30239	0.1298323	0.18874415	3.0099114	20	5 3.4	21.1
214686 2006 SL_{225}	16.5	X	204.21361	7.31224	47.47518	1.96012	0.1009970	0.19485652	2.9466333	20	6 6.2	21.0
214687 2006 SD_{245}	16.0	X	220.80639	45.16956	20.47307	13.01649	0.0204775	0.19884032	2.9071431	20	7 19.8	20.3
214688 2006 SN_{247}	17.3	X	317.23798	270.25231	17.85754	4.36386	0.1764141	0.26854636	2.3793401	20	4 27.9	19.8
214689 2006 SV_{261}	16.2	X	47.44408	258.81153	39.30770	4.34673	0.0833552	0.21000560	2.8031659	20	10 18.2	19.8
214690 2006 SJ_{262}	16.1	X	125.18882	50.47269	197.13705	7.73610	0.1174665	0.21469289	2.7622158	20	11 15.9	20.5
214691 2006 SK_{269}	16.6	X	171.27183	117.93825	173.30744	2.24882	0.1138181	0.23276748	2.6173061	20	—	—
214692 2006 SU_{278}	15.9	X	104.60010	140.37716	15.92226	7.67528	0.1448412	0.19198709	2.9759208	20	7 4.4	20.4
214693 2006 SX_{282}	16.6	X	315.36544	308.60661	84.44718	3.07185	0.1091813	0.21335042	2.7737908	20	10 5.7	19.8
214694 2006 SX_{284}	16.3	X	85.36052	237.42170	124.48437	4.94262	0.2255103	0.23034526	2.6356224	20	—	—
214695 2006 SP_{294}	16.1	X	220.21715	230.89760	289.52126	1.87370	0.0190873	0.21871327	2.7282613	20	11 17.7	19.7
214696 2006 SD_{295}	16.5	X	302.15282	244.41453	190.97082	4.68386	0.0205685	0.21798001	2.7343763	20	11 16.5	20.2
214697 2006 SO_{296}	17.2	X	182.17508	88.27542	222.71296	1.84452	0.0982433	0.24344861	2.5401801	20	1 3.8	20.8
214698 2006 SX_{303}	16.7	X	84.43986	188.78660	142.09094	2.11226	0.0778882	0.22553323	2.6729799	20	—	—
214699 2006 SB_{308}	15.6	X	89.95596	247.99532	206.39513	15.61855	0.1062795	0.17552797	3.1591615	20	3 23.1	20.0
214700 2006 SE_{336}	16.1	X	247.26433	35.88748	66.96294	5.40921	0.0298122	0.21062846	2.7976369	20	10 9.4	19.9
214701 2006 SM_{338}	15.6	X	78.21790	208.32502	41.36696	9.43824	0.0920789	0.20885934	2.8134128	20	9 28.9	19.6
214702 2006 SK_{339}	16.5	X	333.76198	222.12586	144.44600	4.41955	0.1051246	0.20999227	2.8032845	20	9 29.9	19.6
214703 2006 SW_{343}	15.4	X	115.54910	244.31124	215.65984	10.50328	0.1096563	0.18032037	3.1029362	20	5 1.9	19.8
214704 2006 SW_{345}	16.6	X	159.98017	315.38159	339.05497	5.41613	0.1429388	0.23456232	2.6039375	20	—	—
214705 2006 SF_{353}	16.0	X	89.77434	198.97958	108.61193	4.27495	0.0775565	0.22140374	2.7061139	20	12 20.0	19.8
214706 2006 SS_{358}	16.5	X	78.30362	301.38944	49.01901	5.73257	0.1237800	0.22747346	2.6577588	20	—	—
214707 2006 SJ_{383}	15.8	X	77.26509	324.28953	161.16229	10.90347	0.1841718	0.17704627	3.1410742	20	5 1.3	20.2
214708 2006 ST_{387}	15.3	X	87.39488	334.68867	149.22148	9.87476	0.0238355	0.18159643	3.0883832	20	4 19.0	19.7
214709 2006 SZ_{389}	16.3	X	106.47213	183.09461	119.25233	13.05205	0.1796747	0.22273878	2.6952899	20	—	—
214710 2006 SO_{392}	15.8	X	114.79418	4.09558	53.48649	9.66479	0.1286009	0.17401153	3.1774888	20	3 17.7	20.6
214711 2006 SS_{393}	16.8	X	275.36810	82.12835	213.28552	13.01299	0.2111403	0.26010664	2.4305343	20	3 4.2	20.6
214712 2006 SW_{394}	16.8	X	333.95672	58.31488	257.32037	0.98959	0.0675248	0.20051818	2.8909032	20	7 19.6	20.5
214713 2006 SO_{409}	16.5	X	105.49650	311.53584	323.83141	1.75804	0.2721968	0.22608197	2.6686529	20	12 8.3	21.1
214714 2006 TJ	16.2	X	325.13616	352.52076	46.21549	9.20440	0.1801265	0.21346194	2.7728247	20	10 28.9	18.7
214715 Silvanofuso	15.5	X	171.90011	248.02319	171.51088	9.92682	0.0941778	0.18795270	3.0183552	20	5 12.3	20.3
214716 2006 TD_{8}	15.4	X	74.24554	356.38479	126.75700	12.48000	0.0267213	0.17602482	3.1532140	20	4 3.9	20.0
214717 2006 TE_{8}	14.8	X	73.53076	269.16025	221.87037	24.26659	0.1568629	0.17468223	3.1693503	20	4 25.8	19.1
214718 2006 TM_{8}	16.3	X	171.88472	240.68583	41.65130	3.50431	0.1993646	0.23309169	2.6148786	20	—	—
214719 2006 TY_{9}	15.0	X	285.49468	211.22350	28.94904	16.28545	0.0377943	0.17204485	3.2016579	20	2 20.1	19.8
214720 2006 TB_{11}	15.7	X	138.12613	92.51244	206.42532	14.09459	0.0806362	0.22876497	2.6477463	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
214721 2006 TZ_{13}	15.8	X	184.39886	353.94078	31.77697	8.90042	0.1487586	0.18235105	3.0798569	20	4 12.9	20.7
214722 2006 TO_{15}	16.3	X	250.07499	152.17896	232.10092	1.63239	0.0998216	0.19451287	2.9501029	20	6 18.5	20.6
214723 2006 TY_{16}	15.9	X	349.51712	341.56823	31.52270	12.62845	0.0966346	0.21239721	2.7820836	20	11 1.6	19.2
214724 2006 TH_{17}	16.1	X	210.62382	289.24403	55.17361	1.97482	0.1365596	0.18011137	3.1053362	20	3 19.0	21.1
214725 2006 TE_{18}	15.6	X	55.30521	119.70674	41.95727	9.62847	0.0510574	0.18137058	3.0909465	20	4 25.7	19.7
214726 2006 TP_{19}	16.1	X	355.56620	173.87611	217.74249	5.81486	0.1183799	0.21571453	2.7534875	20	12 10.2	19.3
214727 2006 TS_{19}	16.4	X	36.79664	303.78110	350.57467	1.57513	0.0438731	0.20543936	2.8445503	20	9 21.7	20.1
214728 2006 TM_{21}	16.1	X	42.02599	297.98591	40.69070	6.49573	0.0563123	0.21476884	2.7615646	20	11 27.3	19.7
214729 2006 TH_{24}	16.5	X	166.47572	51.61239	244.94745	3.40936	0.1358501	0.23512650	2.5997704	20	—	—
214730 2006 TN_{24}	15.6	X	258.05200	307.63007	16.19454	10.03177	0.0451082	0.18432217	3.0578605	20	4 17.9	20.0
214731 2006 TG_{25}	15.6	X	121.81563	255.94707	215.63860	9.37496	0.0622417	0.18327332	3.0695158	20	5 18.4	20.1
214732 2006 TM_{30}	16.1	X	196.59857	285.41985	39.75167	5.54436	0.1470771	0.17390706	3.1787612	20	2 15.4	21.3
214733 2006 TB_{31}	15.0	X	132.36461	207.07645	211.47863	10.74934	0.0745098	0.17562253	3.1580274	20	3 25.0	19.7
214734 2006 TA_{33}	16.1	X	88.22646	151.54710	32.45957	2.29693	0.0759088	0.19143322	2.9816581	20	7 11.0	20.2
214735 2006 TU_{37}	16.3	X	8.25637	271.50546	26.38611	3.35522	0.1540377	0.20128958	2.8835126	20	8 27.5	19.5
214736 2006 TY_{38}	16.2	X	217.30942	243.90779	43.10357	6.24426	0.1925387	0.24242799	2.5473046	20	1 10.9	20.6
214737 2006 TK_{39}	16.3	X	283.50253	310.27658	38.87336	2.48788	0.0542091	0.19246479	2.9709945	20	6 22.1	20.2
214738 2006 TB_{41}	16.0	X	74.17546	204.04690	21.54168	3.55152	0.0334671	0.19713682	2.9238666	20	8 11.5	20.0
214739 2006 TQ_{42}	16.0	X	65.88051	191.27691	41.94354	10.43955	0.0258287	0.19602777	2.9348843	20	8 12.6	20.2
214740 2006 TT_{43}	15.7	X	75.71502	22.40394	227.70602	7.26286	0.1730893	0.20333091	2.8641809	20	9 30.4	20.0
214741 2006 TH_{46}	15.7	X	32.21874	46.98306	212.65001	8.54958	0.0269452	0.19451163	2.9501154	20	7 25.6	19.9
214742 2006 TL_{51}	16.0	X	355.57314	223.77810	62.02063	11.05256	0.0758016	0.19250307	2.9706007	20	7 13.4	19.8
214743 2006 TP_{51}	15.3	X	53.13989	304.47106	214.77431	10.98634	0.0147331	0.17673592	3.1447503	20	4 14.6	19.6
214744 2006 TQ_{51}	16.3	X	262.29485	269.51568	123.73652	2.98199	0.0586508	0.19405593	2.9547321	20	7 21.3	20.2
214745 2006 TA_{55}	16.3	X	80.82925	237.52222	119.99336	6.04826	0.1263912	0.22706784	2.6609230	20	—	—
214746 2006 TY_{56}	15.9	X	170.33818	257.52547	141.93041	3.84040	0.0901568	0.17949680	3.1124203	20	4 15.6	20.6
214747 2006 TU_{57}	16.8	X	43.18255	167.20340	184.40681	1.17399	0.1349539	0.22128803	2.7070572	20	12 28.4	20.4
214748 2006 TR_{59}	15.6	X	345.11653	320.44248	246.47885	4.23336	0.0814930	0.17373231	3.1808925	20	3 11.9	19.9
214749 2006 TO_{60}	15.5	X	53.39060	186.71504	35.51389	11.51764	0.0710058	0.19072170	2.9890693	20	7 15.9	19.7
214750 2006 TS_{67}	15.1	X	79.23620	268.47862	201.63413	17.56860	0.0426126	0.17603628	3.1530771	20	3 19.9	19.6
214751 2006 TJ_{71}	15.5	X	181.41111	57.76367	10.88218	10.41063	0.0441056	0.18892770	3.0079616	20	5 28.8	20.1
214752 2006 TR_{71}	16.1	X	68.78744	53.37095	224.31166	6.48367	0.0562326	0.21031860	2.8003840	20	10 13.6	20.0
214753 2006 TD_{75}	17.0	X	168.25255	285.79162	54.02735	2.93105	0.1971739	0.24404474	2.5360418	20	2 1.8	21.0
214754 2006 TC_{77}	16.2	X	29.56833	179.78920	174.71550	13.41980	0.1486749	0.21740829	2.7391679	20	12 16.8	20.1
214755 2006 TJ_{78}	15.4	X	243.14198	293.62119	356.41962	9.06350	0.0478249	0.17550095	3.1594858	20	2 23.4	20.0
214756 2006 TW_{79}	15.6	X	117.89314	249.61459	253.13620	8.62716	0.0213916	0.18922109	3.0048516	20	6 16.8	19.8
214757 2006 TD_{89}	15.5	X	357.33808	196.04910	21.63227	7.71085	0.0840442	0.17965979	3.1105376	20	4 14.1	19.3
214758 2006 TY_{93}	15.4	X	110.63442	19.15238	61.72145	7.93318	0.0205890	0.17492047	3.1664718	20	3 25.9	19.9
214759 2006 TH_{95}	15.6	X	213.24189	356.46418	31.23356	10.84138	0.0946883	0.18792457	3.0186564	20	5 11.5	20.2
214760 2006 TM_{103}	16.8	X	43.42864	111.14453	211.16305	3.24341	0.0979033	0.21315715	2.7754673	20	11 15.3	20.6
214761 2006 TN_{103}	15.9	X	185.54354	184.08615	174.98389	0.79253	0.0969231	0.17585978	3.1551864	20	3 12.5	20.6
214762 2006 TU_{108}	16.2	X	107.36806	160.46054	98.26841	10.16172	0.1099663	0.21416532	2.7667502	20	11 13.3	20.5
214763 2006 TZ_{109}	16.2	X	320.06028	74.56748	193.50270	0.78030	0.0306360	0.18236638	3.0796843	20	4 30.2	20.5
214764 2006 TN_{120}	15.4	X	82.41998	346.56961	118.73681	9.49102	0.1172752	0.17338726	3.1851112	20	4 4.4	19.9
214765 2006 UG_{6}	16.2	X	94.15494	131.41410	192.73913	6.77347	0.0662692	0.22303105	2.6929347	20	—	—
214766 2006 UT_{7}	16.3	X	146.47835	233.38801	91.54726	3.90918	0.2148672	0.23580424	2.5947866	20	—	—
214767 2006 UO_{9}	15.5	X	161.31134	185.56722	198.33522	3.82664	0.0847848	0.17389361	3.1789252	20	3 16.6	20.3
214768 2006 UQ_{10}	15.8	X	80.61116	245.55259	50.08158	5.58390	0.1482581	0.21732285	2.7398858	20	12 1.2	19.9
214769 2006 UA_{47}	15.7	X	257.70691	258.02951	74.76484	2.81709	0.2384216	0.18718329	3.0266207	20	4 9.3	20.6
214770 2006 UP_{59}	15.4	X	65.06402	127.58989	356.74861	9.96844	0.0499474	0.17520401	3.1630546	20	3 21.8	19.8
214771 2006 UR_{62}	15.9	X	123.08764	21.92177	35.46093	2.43208	0.0988195	0.17355694	3.1830348	20	3 19.0	20.6
214772 UNICEF	16.0	X	137.74095	153.78527	264.37994	7.62894	0.0587487	0.17922998	3.1155085	20	3 26.9	20.7
214773 2006 UU_{64}	15.9	X	358.99491	292.74295	66.91304	14.02662	0.2171617	0.21087436	2.7954616	20	11 15.6	18.8
214774 2006 UC_{67}	15.9	X	80.83245	248.43284	61.54052	7.64798	0.1088709	0.22029076	2.7152211	20	12 15.5	20.0
214775 2006 UL_{71}	16.4	X	198.34057	302.11077	101.43361	2.48482	0.0369250	0.18715382	3.0269385	20	5 19.9	20.9
214776 2006 UD_{75}	16.1	X	88.38391	254.51913	23.90677	8.85877	0.0650952	0.21657644	2.7461773	20	11 8.7	20.0
214777 2006 UQ_{75}	16.5	X	181.99574	296.37921	92.76650	2.66276	0.0335443	0.18205919	3.0831476	20	4 13.7	20.9
214778 2006 UX_{79}	16.6	X	84.53003	282.22253	58.37857	5.38805	0.1082026	0.22598041	2.6694524	20	—	—
214779 2006 UB_{80}	16.3	X	268.19339	226.60226	116.29414	3.20484	0.0967032	0.19051418	2.9912394	20	5 19.5	20.6
214780 2006 UD_{80}	15.8	X	350.57066	198.76360	122.36868	3.06593	0.0772926	0.20245037	2.8724799	20	8 23.6	19.2
214781 2006 UB_{85}	15.1	X	194.62063	148.49732	238.80369	9.66003	0.0600078	0.17941519	3.1133640	20	4 23.1	19.8
214782 2006 UR_{90}	15.7	X	345.49735	240.53276	41.60867	8.70133	0.0929871	0.18982028	2.9985248	20	6 19.9	19.5
214783 2006 UR_{92}	15.8	X	275.26427	103.44481	199.51554	9.07272	0.0167546	0.18211263	3.0825444	20	4 18.9	20.1
214784 2006 UG_{105}	17.1	X	359.60477	144.64577	194.98799	6.45587	0.1430723	0.27977164	2.3152626	20	10 27.3	19.3
214785 2006 UZ_{116}	16.0	X	248.53252	50.79557	233.33254	0.39007	0.0323416	0.17436694	3.1731696	20	2 21.9	20.4
214786 2006 US_{132}	16.1	X	67.32038	321.27730	47.32078	2.88455	0.2083661	0.22719999	2.6598911	20	—	—
214787 2006 UE_{135}	16.0	X	204.80981	226.60976	49.56122	8.87991	0.1789883	0.23771778	2.5808431	20	—	—
214788 2006 UC_{136}	16.6	X	302.76311	150.76288	166.54409	2.35126	0.0879987	0.19147457	2.9812289	20	6 2.2	20.4
214789 2006 US_{137}	16.7	X	114.10981	225.63051	18.51486	5.61902	0.1051698	0.28107479	2.3081009	20	11 8.8	19.9
214790 2006 UR_{162}	16.5	X	299.54808	217.03655	137.96617	2.71530	0.0854197	0.19886638	2.9068891	20	7 18.3	20.3
214791 2006 UZ_{174}	16.0	X	120.64643	194.94883	100.26325	5.28390	0.0421072	0.22640717	2.6660969	20	—	—
214792 2006 UT_{175}	15.8	X	120.57335	113.88481	149.03480	8.19004	0.0290872	0.21884885	2.7271344	20	11 27.7	19.7
214793 2006 UX_{175}	15.2	X	103.12369	271.41190	175.43573	9.15203	0.2101765	0.17461610	3.1701504	20	4 16.2	19.9
214794 2006 UA_{178}	15.8	X	283.70936	195.13186	118.28013	4.34051	0.1312174	0.18923045	3.0047525	20	4 27.3	20.0
214795 2006 UF_{180}	15.7	X	98.53529	311.97266	39.23278	14.42177	0.2920136	0.23023513	2.6364629	20	—	—
214796 2006 UT_{180}	15.9	X	112.30684	165.82248	181.71218	13.56791	0.1256545	0.23195384	2.6234231	20	—	—
214797 2006 UB_{182}	15.8	X	159.11605	136.46069	188.26001	13.50712	0.1116111	0.23595645	2.5936706	20	—	—
214798 2006 US_{188}	14.8	X	44.91697	242.80334	282.14005	15.16746	0.1764908	0.17829456	3.1263960	20	4 24.1	18.8
214799 2006 UU_{197}	16.0	X	288.16763	265.22877	44.62538	3.01582	0.0145850	0.18370344	3.0647228	20	5 13.7	20.1
214800 2006 UO_{202}	16.2	X	27.13323	274.56166	92.98369	7.16964	0.0569581	0.21797806	2.7343926	20	12 16.3	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
214801 2006 UD_{203}	15.5	X	176.20627	193.36812	61.77978	14.33814	0.1402623	0.22897065	2.6461604	20	—	—
214802 2006 UT_{204}	15.3	X	286.84769	298.73596	33.39366	10.97848	0.1186542	0.18936643	3.0033139	20	5 23.4	19.4
214803 2006 UK_{209}	16.7	X	29.76371	174.38702	162.58384	2.12915	0.0212997	0.21167554	2.7884034	20	11 5.3	20.5
214804 2006 UP_{210}	15.9	X	192.44282	21.34502	20.22641	9.64277	0.1173225	0.18264396	3.0765632	20	5 6.6	20.8
214805 2006 UJ_{220}	14.6	X	117.76662	17.46569	63.64031	22.64474	0.0634790	0.17412572	3.1760995	20	4 16.2	19.5
214806 2006 UO_{221}	16.1	X	223.78226	58.43856	44.48479	6.63783	0.0141942	0.20500680	2.8485502	20	9 11.6	20.1
214807 2006 UE_{226}	15.5	X	129.17765	230.40310	218.12926	8.50535	0.0630542	0.18063440	3.0993389	20	4 27.5	20.0
214808 2006 UX_{226}	16.2	X	113.44416	150.47597	191.70511	11.66143	0.0312776	0.23498259	2.6008317	20	—	—
214809 2006 UP_{228}	16.2	X	358.62273	337.47963	44.03601	2.74697	0.0773847	0.21498882	2.7596804	20	11 26.4	19.7
214810 2006 UF_{230}	16.1	X	320.58129	254.55932	145.99742	4.52125	0.0913511	0.21314489	2.7755737	20	10 25.7	19.4
214811 2006 UV_{233}	16.6	X	289.90325	250.51892	210.94424	3.05088	0.0484952	0.22003184	2.7173507	20	12 1.3	20.0
214812 2006 UJ_{242}	16.2	X	71.60853	84.12525	21.27031	6.93551	0.1364870	0.17244224	3.1967372	20	3 21.0	20.5
214813 2006 UO_{260}	15.8	X	68.62087	337.88910	203.47379	3.20599	0.0194235	0.18739653	3.0243242	20	6 3.4	19.9
214814 2006 UE_{263}	15.6	X	4.07000	38.84526	217.86567	9.74201	0.0558828	0.18850808	3.0124238	20	6 15.3	19.6
214815 2006 UX_{281}	16.3	X	25.68787	117.68721	165.43476	1.14002	0.1033600	0.19917453	2.9038902	20	8 28.7	20.0
214816 2006 UG_{287}	16.2	X	268.87267	41.47111	31.06627	6.43374	0.0241300	0.20879787	2.8139648	20	9 28.3	19.9
214817 2006 UF_{328}	15.7	X	326.15304	247.32002	82.53831	10.07661	0.0923164	0.20012786	2.8946608	20	7 26.9	19.3
214818 2006 UC_{332}	16.4	X	116.97483	132.53602	139.62983	5.49861	0.0384098	0.21979932	2.7192668	20	12 4.7	20.3
214819 Gianotti	15.3	X	209.79763	353.37850	22.38426	16.56954	0.0600414	0.18152669	3.0891741	20	4 24.4	19.9
214820 Faustocoppi	16.1	X	41.25876	311.75971	18.02297	13.42261	0.1507604	0.21362824	2.7713855	20	11 25.9	20.1
214821 2006 VJ_{16}	15.5	X	29.95107	191.05003	42.03148	10.89390	0.0475301	0.18741456	3.0241303	20	6 20.7	19.6
214822 2006 VN_{19}	15.5	X	332.42250	199.32857	44.12079	9.83488	0.1228959	0.17834963	3.1257524	20	4 8.8	19.4
214823 2006 VU_{25}	16.0	X	122.28729	347.62310	356.17239	1.49407	0.2324807	0.23302253	2.6153959	20	—	—
214824 2006 VD_{32}	15.8	X	57.65884	141.99988	43.22577	4.24080	0.0373798	0.18662431	3.0326613	20	5 26.4	19.9
214825 2006 VS_{41}	15.3	X	267.22009	211.17129	67.14376	5.50943	0.0879608	0.17342320	3.1846711	20	3 3.7	20.0
214826 2006 VQ_{51}	15.9	X	321.27129	67.28194	268.98686	3.65506	0.1465994	0.19443937	2.9508462	20	7 19.7	19.4
214827 2006 VO_{71}	16.6	X	239.84038	48.09634	224.74731	4.11411	0.0423220	0.23816012	2.5776465	20	1 18.9	20.3
214828 2006 VE_{73}	15.6	X	227.76408	258.16419	81.35849	3.41072	0.1215878	0.17587970	3.1549482	20	3 31.1	20.6
214829 2006 VF_{80}	15.5	X	287.31030	180.28257	99.89045	6.13336	0.1279522	0.17766692	3.1337547	20	3 23.7	20.0
214830 2006 VG_{80}	15.1	X	103.23531	265.25716	214.75103	9.64896	0.0309157	0.17782236	3.1319282	20	5 2.1	19.4
214831 2006 VX_{92}	17.5	X	308.19532	226.08582	185.70412	4.52493	0.1302693	0.28001392	2.3139269	20	11 4.9	19.5
214832 2006 VC_{93}	15.4	X	18.81773	121.59165	80.95950	13.04636	0.0734362	0.17756669	3.1349338	20	5 2.3	19.5
214833 2006 VT_{106}	15.2	X	332.31012	110.83367	108.35931	10.08068	0.0246301	0.17390379	3.1788011	20	3 21.7	19.7
214834 2006 VQ_{109}	15.5	X	180.91837	273.67936	129.96040	10.74115	0.1015583	0.18011797	3.1052604	20	5 4.1	20.5
214835 2006 VO_{119}	16.3	X	324.13538	296.72920	75.76288	3.18318	0.0800818	0.20274201	2.8697246	20	9 21.6	19.7
214836 2006 VY_{126}	16.6	X	63.44857	333.13974	12.17675	4.09319	0.2150780	0.22128875	2.7070513	20	—	—
214837 2006 VV_{128}	15.7	X	272.37857	346.52658	9.69823	5.79797	0.1213141	0.19045022	2.9919091	20	6 5.6	20.0
214838 2006 VV_{134}	16.3	X	258.05636	322.13404	92.24641	3.15078	0.0574344	0.19880273	2.9075095	20	8 14.2	20.3
214839 2006 VW_{141}	16.2	X	104.90564	29.24828	230.06132	7.17367	0.1834835	0.21193538	2.7861238	20	11 13.0	20.7
214840 2006 VB_{144}	15.0	X	176.97487	8.03595	28.85205	24.30060	0.1717073	0.17962235	3.1109698	20	4 19.1	20.2
214841 2006 VQ_{147}	15.1	X	195.80459	356.27362	59.23021	16.94800	0.0758983	0.18380827	3.0635574	20	5 29.2	19.8
214842 2006 VG_{150}	15.7	X	154.34010	9.96859	38.70319	15.72015	0.0913910	0.17700532	3.1415586	20	4 12.2	20.5
214843 2006 VO_{170}	15.5	X	284.22034	89.64713	171.38926	1.21088	0.1152737	0.16845872	3.2469359	20	2 25.4	20.1
214844 2006 WM_{45}	16.4	X	33.98072	154.94167	172.82583	4.41621	0.0703470	0.21167442	2.7884132	20	11 6.4	20.1
214845 2006 WQ_{67}	16.4	X	280.69442	198.77579	136.39399	4.35663	0.1200326	0.18688483	3.0298422	20	5 22.3	20.6
214846 2006 WO_{74}	15.6	X	162.08304	319.45281	49.13236	6.02925	0.1651192	0.17096667	3.2151044	20	3 7.7	20.8
214847 2006 WN_{92}	16.9	X	306.71138	151.50420	153.07513	1.47525	0.1017634	0.25946428	2.4345442	20	5 18.9	19.7
214848 2006 WS_{94}	16.0	X	279.36682	228.80931	96.07816	3.87766	0.1192990	0.18628000	3.0363971	20	5 7.5	20.3
214849 2006 WY_{95}	16.6	X	321.97080	100.55710	201.68415	3.31783	0.1152509	0.18963480	3.0004797	20	6 7.6	20.3
214850 2006 WB_{96}	17.2	X	102.41162	336.51999	3.29825	3.89339	0.0646518	0.30106768	2.2047531	20	—	—
214851 2006 WU_{101}	16.5	X	42.70194	199.96342	143.00328	5.90486	0.1695040	0.21678939	2.7443787	20	12 21.0	20.3
214852 2006 WU_{102}	15.8	X	314.70301	191.50370	71.00308	6.24113	0.1206433	0.17677791	3.1442523	20	4 7.4	19.9
214853 2006 WL_{106}	15.9	X	263.41615	225.15499	112.79569	2.13686	0.0387738	0.18179793	3.0861007	20	5 15.3	20.2
214854 2006 WF_{185}	15.8	X	17.35866	25.11183	217.16609	5.04563	0.1019751	0.18468352	3.0538705	20	6 18.9	19.6
214855 2006 WF_{203}	15.7	X	264.45058	15.28886	298.71692	1.68082	0.0778931	0.17671015	3.1450560	20	4 10.1	20.3
214856 2006 XM_{39}	15.4	X	279.77374	260.62774	51.14635	12.28075	0.0607722	0.18185707	3.0854316	20	4 30.3	19.8
214857 2006 XY_{58}	17.0	X	130.78439	51.80288	356.49724	1.69423	0.1599570	0.23881261	2.5729492	20	3 17.1	20.7
214858 2006 XR_{63}	15.6	X	237.84388	210.15335	186.29579	9.21633	0.1435619	0.18828689	3.0147826	20	6 15.3	20.3
214859 2006 YN_{7}	16.3	X	134.35952	182.59892	196.52444	9.31664	0.1769408	0.23805076	2.5784359	20	2 12.8	20.2
214860 2006 YG_{12}	15.3	X	278.09245	225.94535	91.30496	11.27307	0.0930725	0.17924361	3.1153506	20	5 3.3	19.8
214861 2006 YL_{22}	15.8	X	209.26227	300.44284	79.68277	8.38956	0.1216276	0.17624111	3.1506337	20	5 1.5	20.8
214862 2006 YL_{39}	15.5	X	346.95322	140.51489	94.59125	10.84094	0.0685725	0.17802269	3.1295783	20	4 27.1	19.7
214863 2006 YB_{55}	16.7	X	7.40779	270.28873	164.72577	4.50166	0.0489394	0.21446853	2.7641419	20	—	—
214864 2007 EF_{1}	16.7	X	103.09061	91.72268	168.12549	6.52192	0.0839365	0.26445973	2.4037890	20	11 15.9	20.2
214865 2007 EW_{56}	17.5	X	5.59907	171.36435	8.95076	19.77828	0.0337394	0.37162129	1.9160301	20	2 24.2	19.5
214866 2007 EZ_{124}	15.3	X	105.42235	181.42527	14.42663	13.00671	0.1185330	0.24445039	2.5332354	20	8 30.9	19.1
214867 2007 HN_{17}	15.5	X	92.66134	247.65952	38.92522	15.98917	0.2838660	0.17876183	3.1209455	20	12 3.6	21.0
214868 2007 PF_{7}	17.5	X	285.64662	27.69617	292.79623	2.10457	0.1749875	0.29234846	2.2483755	20	4 24.9	20.2
214869 2007 PA_{8}	16.4	X	207.64280	293.81736	141.48704	1.99153	0.6551351	0.20557833	2.8432682	20	6 14.9	22.7
214870 2007 PE_{17}	16.8	X	308.99256	8.62373	12.77485	7.05251	0.1606755	0.30255833	2.1975055	20	9 22.2	18.1
214871 2007 PH_{35}	16.5	X	155.30553	18.47511	350.92714	5.28988	0.2543509	0.26635702	2.3923605	20	2 27.9	20.4
214872 2007 QV_{6}	17.4	X	202.48019	232.43849	165.00206	6.48689	0.1439891	0.28514617	2.2860779	20	5 12.5	20.9
214873 2007 RM_{18}	17.4	X	117.06465	318.03800	181.51455	21.61456	0.0583110	0.36608461	1.9353005	20	6 20.5	20.1
214874 2007 RP_{42}	15.0	X	183.48374	247.54572	7.50063	11.15019	0.1001777	0.17756126	3.1349978	20	—	—
214875 2007 RG_{95}	17.1	X	105.96033	291.31969	126.25826	2.66260	0.2229955	0.26261861	2.4150107	20	3 7.9	20.2
214876 2007 RH_{105}	17.2	X	130.16240	290.92730	96.33961	2.19862	0.1921182	0.26413168	2.4057789	20	2 20.9	20.7
214877 2007 RY_{110}	17.1	X	219.18737	243.69371	185.82276	5.78067	0.1778575	0.29040480	2.2583965	20	7 7.4	20.6
214878 2007 RM_{142}	16.7	X	224.20987	313.97830	15.00013	5.86351	0.2669088	0.27383740	2.3485918	20	3 2.8	20.7
214879 2007 RB_{149}	17.4	X	7.46640	57.20803	198.34836	20.60016	0.0456313	0.36731099	1.9309903	20	6 23.0	19.7
214880 2007 RP_{157}	17.2	X	257.89609	7.58141	40.62724	7.71947	0.1760348	0.29653371	2.2271698	20	7 27.9	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
214881 2007 RT_{178}	17.6	X	310.13919	337.05498	89.60052	3.77864	0.1305455	0.31027619	2.1609120	20	12 12.8	19.1
214882 2007 RC_{218}	16.9	X	175.12213	214.90306	196.87006	6.26671	0.1016909	0.27428517	2.3460350	20	5 2.2	20.2
214883 Yuanxikun	16.7	X	132.00339	13.29186	23.39242	7.73144	0.2157901	0.26710917	2.3878673	20	3 10.2	20.3
214884 2007 RE_{244}	16.1	X	194.78485	198.72191	176.46368	14.30845	0.2358140	0.27430135	2.3459428	20	4 5.9	20.1
214885 2007 RB_{265}	16.8	X	240.80199	137.11303	339.76093	6.16796	0.2021464	0.22944482	2.6425135	20	9 23.7	20.6
214886 2007 RC_{269}	18.1	X	62.01656	285.77292	55.29650	2.45329	0.1354798	0.31593267	2.1350417	20	—	—
214887 2007 RT_{270}	15.9	X	40.90430	66.18672	44.74780	1.39074	0.1651412	0.17260522	3.1947246	20	2 11.7	19.4
214888 2007 RT_{271}	16.6	X	9.91416	40.00053	51.90198	8.35781	0.1524863	0.24147707	2.5539876	20	—	—
214889 2007 RM_{284}	16.8	X	270.14892	272.65826	190.41871	12.25261	0.2337163	0.22689697	2.6622587	20	10 10.8	19.8
214890 2007 RG_{291}	16.9	X	9.39758	311.79215	258.25933	1.41198	0.1460129	0.26908098	2.3761875	20	4 15.6	18.8
214891 2007 RV_{300}	17.1	X	104.06116	235.38828	178.08160	6.13584	0.0987634	0.26363102	2.4088238	20	2 7.3	20.1
214892 2007 SU_{2}	16.9	X	95.51442	278.35652	215.10082	21.35392	0.0952330	0.35806923	1.9640749	20	5 15.4	18.8
214893 2007 SJ_{7}	17.1	X	141.08796	293.16354	175.30009	7.58693	0.1762036	0.27988757	2.3146233	20	6 14.6	20.8
214894 2007 TF_{16}	16.4	X	3.51036	170.87006	205.72006	2.72450	0.1864691	0.23181635	2.6244603	20	12 17.2	19.2
214895 2007 TD_{22}	15.9	X	339.97412	267.54455	95.13120	9.73743	0.1650357	0.22433854	2.6824612	20	10 15.0	18.7
214896 2007 TZ_{28}	17.0	X	60.98386	267.33733	211.09454	6.50489	0.0901383	0.26381644	2.4076950	20	2 29.7	19.8
214897 2007 TN_{43}	17.1	X	207.14875	39.94529	48.03301	7.44769	0.0488008	0.28843477	2.2686682	20	8 4.5	20.1
214898 2007 TD_{58}	17.4	X	71.27280	88.30071	24.59388	1.36092	0.1260772	0.26332350	2.4106989	20	3 17.8	19.9
214899 2007 TM_{81}	17.0	X	198.49968	239.16929	179.39777	6.34487	0.1653074	0.28103421	2.3083230	20	6 3.9	20.6
214900 2007 TP_{88}	16.2	X	173.31770	322.46980	60.20860	1.03607	0.1875950	0.19083862	2.9878483	20	3 30.7	21.3
214901 2007 TQ_{95}	16.5	X	59.66364	242.16869	84.72843	4.80024	0.1983462	0.23718130	2.5847334	20	12 27.5	20.2
214902 2007 TM_{135}	17.0	X	127.62026	321.05105	143.68876	2.30055	0.1715493	0.28010463	2.3134273	20	5 26.5	20.3
214903 2007 TE_{136}	16.8	X	134.60994	295.24745	194.41354	6.08623	0.0988141	0.28180774	2.3040971	20	6 30.1	20.0
214904 2007 TB_{143}	16.7	X	183.87872	307.26570	90.11110	7.02725	0.1349156	0.27441215	2.3453113	20	4 25.1	20.3
214905 2007 TV_{144}	16.6	X	77.39071	26.49844	41.40963	3.15280	0.0967536	0.25936329	2.4351761	20	1 21.3	19.4
214906 2007 TU_{147}	15.2	X	65.91205	2.47892	48.17459	5.46623	0.1020378	0.17560347	3.1582560	20	—	—
214907 2007 TU_{160}	16.5	X	359.04872	23.52249	349.45436	5.40679	0.2733660	0.22966792	2.6408019	20	12 17.7	19.2
214908 2007 TS_{163}	17.1	X	137.56633	14.17531	47.62814	1.97565	0.1772591	0.26877615	2.3779838	20	4 10.7	20.7
214909 2007 TD_{180}	17.0	X	274.34289	2.25255	39.88012	7.72369	0.1289533	0.29449224	2.2374507	20	8 23.4	19.4
214910 2007 TP_{181}	14.9	X	216.63047	252.73618	131.90552	10.20651	0.3092409	0.12520070	3.9572931	20	5 7.1	21.8
214911 Viehboeck	17.5	X	97.64548	237.79881	195.42380	2.55282	0.1368365	0.26539962	2.3981105	20	3 2.6	20.2
214912 2007 TX_{233}	16.1	X	101.77158	65.56174	57.84999	9.71411	0.2027850	0.18997057	2.9969431	20	5 26.3	20.6
214913 2007 TL_{240}	16.4	X	53.38258	265.64083	45.86388	3.67215	0.1092051	0.23194785	2.6234683	20	11 19.1	19.8
214914 2007 TQ_{241}	18.2	X	53.45804	254.62182	55.09757	2.43754	0.0911496	0.30714810	2.1755588	20	12 1.0	20.8
214915 2007 TH_{257}	17.2	X	116.63435	4.89534	137.76963	3.02525	0.0798596	0.28176387	2.3043362	20	6 24.8	20.1
214916 2007 TN_{257}	17.6	X	73.49740	60.20229	39.94203	2.80522	0.1560368	0.26123502	2.4235303	20	3 9.1	20.1
214917 2007 TY_{266}	15.9	X	79.40696	49.15564	33.73004	3.72022	0.0985990	0.18357582	3.0661430	20	2 26.1	20.0
214918 2007 TD_{338}	16.9	X	186.53742	310.37595	94.39936	5.32423	0.1519034	0.27657892	2.3330462	20	5 6.2	20.5
214919 2007 TG_{363}	17.2	X	1.53296	300.88480	57.33832	6.86012	0.1714049	0.30494874	2.1860067	20	12 8.4	19.2
214920 2007 UB_{18}	16.4	X	35.64553	216.56684	167.20344	2.67294	0.2075202	0.23933316	2.5692171	20	—	—
214921 2007 UY_{25}	17.5	X	20.82487	122.30724	60.73112	4.65196	0.0735094	0.26796275	2.3827936	20	3 30.2	20.0
214922 2007 UJ_{43}	16.5	X	217.29379	82.14476	54.68724	4.40007	0.0355560	0.22532297	2.6746424	20	10 15.7	20.2
214923 2007 UK_{50}	16.7	X	3.28157	16.06814	136.20339	4.87814	0.1352275	0.25322677	2.4743605	20	1 11.1	19.4
214924 2007 UZ_{51}	16.5	X	293.53704	47.66345	77.01929	5.64898	0.0749578	0.23417015	2.6068439	20	—	—
214925 2007 UL_{85}	17.1	X	198.19751	223.77676	206.88390	1.31626	0.0997251	0.28230872	2.3013704	20	6 22.1	20.2
214926 2007 UJ_{98}	17.2	X	284.46761	8.53046	47.86543	5.09188	0.0104987	0.29803784	2.2196702	20	10 15.3	19.7
214927 2007 UJ_{111}	17.7	X	91.37838	255.38230	204.12752	1.48815	0.1469768	0.26551028	2.3974441	20	4 1.3	20.3
214928 Carrara	17.3	X	215.18374	125.23320	251.20003	4.19842	0.0167859	0.27511906	2.3412921	20	5 2.6	20.1
214929 2007 VF_{27}	16.5	X	27.95561	44.82728	87.07761	7.34158	0.0393760	0.25784388	2.4447334	20	1 29.9	19.4
214930 2007 VU_{44}	16.7	X	14.34193	206.06471	17.21290	8.51364	0.0855705	0.27626891	2.3347912	20	5 13.5	19.1
214931 2007 VT_{61}	16.7	X	72.31608	191.42525	47.30672	8.04855	0.0650733	0.29048871	2.2579616	20	9 15.1	19.5
214932 2007 VX_{163}	17.4	X	223.62135	9.66406	42.53746	3.86646	0.0876143	0.28276989	2.2988675	20	6 28.0	20.5
214933 2007 VW_{164}	17.1	X	2.44701	337.74736	243.53841	4.07258	0.1906439	0.26847905	2.3797378	20	4 15.7	18.8
214934 2007 VT_{165}	17.7	X	45.37842	65.32772	226.08773	4.14478	0.0272981	0.29623152	2.2286842	20	10 12.1	20.2
214935 2007 VJ_{167}	16.7	X	5.70960	18.76808	56.16032	4.05651	0.1672892	0.23904521	2.5712799	20	—	—
214936 2007 VN_{193}	16.1	X	352.80928	235.71575	100.49299	5.58759	0.0747793	0.20843815	2.8172015	20	9 20.0	19.6
214937 2007 VG_{213}	16.1	X	284.18011	2.40938	123.38220	3.63417	0.0660369	0.23329851	2.6133329	20	12 26.8	19.4
214938 2007 VN_{220}	16.6	X	42.02975	176.88923	201.37704	2.73329	0.1443363	0.23606399	2.5928828	20	—	—
214939 2007 VT_{244}	17.2	X	241.13669	199.43995	227.51019	5.51655	0.0688332	0.29058175	2.2574795	20	8 12.5	20.0
214940 2007 VK_{251}	16.3	X	277.78726	275.74793	142.42891	8.76922	0.0717136	0.21771887	2.7365622	20	9 16.6	19.9
214941 2007 VO_{253}	16.9	X	223.95567	237.33584	153.02073	4.17789	0.1644180	0.27972149	2.3155393	20	5 23.1	20.3
214942 2007 VE_{256}	17.3	X	259.16755	336.33329	203.81629	13.05241	0.1974587	0.23810582	2.5780384	20	—	—
214943 2007 VC_{263}	17.4	X	134.85721	153.33861	318.05083	2.60924	0.0184584	0.27601698	2.3362117	20	5 27.5	20.3
214944 2007 VQ_{270}	15.9	X	321.10412	106.35130	2.51760	11.86119	0.1146816	0.23666024	2.5885259	20	—	—
214945 2007 VP_{275}	16.3	X	304.40701	296.64189	69.71365	2.98173	0.0994721	0.21225986	2.7832836	20	8 11.4	19.6
214946 2007 VX_{283}	17.0	X	331.21216	2.64638	229.28449	1.98914	0.1483730	0.26470401	2.4023099	20	3 4.8	19.5
214947 2007 VA_{309}	16.5	X	330.75417	264.54825	212.80263	10.70499	0.1442557	0.23868308	2.5738800	20	—	—
214948 2007 VX_{311}	16.6	X	70.39003	75.80971	305.57124	7.53828	0.0820907	0.23487590	2.6016193	20	—	—
214949 2007 VO_{312}	16.6	X	286.35246	35.05716	48.24535	2.92145	0.0471452	0.21834362	2.7313397	20	11 2.4	20.1
214950 2007 WU_{20}	16.1	X	310.17229	341.28075	112.25919	13.97231	0.0185536	0.22037050	2.7145660	20	12 20.8	19.7
214951 2007 WX_{34}	16.2	X	208.05531	170.37957	54.24052	15.91074	0.0708842	0.23626620	2.5914032	20	—	—
214952 2007 WO_{42}	17.0	X	342.76970	188.01999	103.07885	4.06462	0.1253785	0.28444290	2.2898445	20	7 2.4	18.7
214953 Giugavazzi	16.5	X	23.67594	195.23199	62.90803	7.56987	0.0787071	0.28674355	2.2775799	20	7 29.9	19.0
214954 2007 WO_{58}	16.8	X	59.68904	287.12456	263.02740	4.53354	0.0503444	0.27484653	2.3428395	20	6 7.8	19.5
214955 2007 XK_{14}	16.9	X	276.85796	61.93926	223.47348	5.73889	0.1566411	0.26634626	2.3924249	20	2 29.4	20.4
214956 2007 XL_{25}	16.1	X	263.80138	331.09873	98.84660	5.54369	0.0484515	0.21246637	2.7814799	20	9 16.2	19.9
214957 2007 XT_{29}	16.8	X	111.34384	243.45376	202.45922	5.62341	0.1171232	0.26468148	2.4024462	20	4 4.7	19.8
214958 2007 XE_{34}	16.9	X	329.33840	79.59775	28.31809	4.79833	0.1296406	0.23722235	2.5844352	20	—	—
214959 2007 XS_{37}	15.7	X	217.15947	92.73228	59.88151	10.29104	0.0586571	0.21928192	2.7235425	20	11 1.3	19.5
214960 2007 XX_{42}	16.7	X	185.22989	85.48675	32.23690	2.35854	0.0361895	0.20591615	2.8401576	20	8 9.2	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
214961 2007 XD_{53}	15.4	X	52.46541	51.85541	121.48813	9.89237	0.0775262	0.18016529	3.1047166	20	5 13.1	19.6
214962 2007 YE_{11}	15.3	X	299.92529	229.91554	114.07535	10.66462	0.0494353	0.18983913	2.9983263	20	7 8.5	19.4
214963 2007 YD_{39}	16.0	X	231.63668	132.20707	93.76253	14.54379	0.1145743	0.23339699	2.6125977	20	—	—
214964 2007 YX_{46}	16.1	X	331.55277	275.05690	113.37090	4.24692	0.1271810	0.21418838	2.7665516	20	10 27.9	19.2
214965 2007 YN_{58}	15.0	X	159.09605	279.58038	121.39516	12.35651	0.1159457	0.18025228	3.1037177	20	4 11.3	20.1
214966 2007 YE_{61}	15.6	X	135.77885	52.40572	67.18271	9.87534	0.1011723	0.18895998	3.0076190	20	6 15.9	20.2
214967 2007 YD_{62}	15.8	X	88.34929	323.94158	330.03223	8.88767	0.1637416	0.21458394	2.7631507	20	12 7.1	20.2
214968 2007 YD_{68}	16.0	X	348.49313	276.49933	118.51167	6.25123	0.0709223	0.22052173	2.7133248	20	12 1.4	19.3
214969 2007 YE_{68}	17.1	X	102.43242	235.77814	126.95611	2.88378	0.1235128	0.23922103	2.5700199	20	—	—
214970 2008 AT	15.4	X	290.56463	194.04472	70.51185	16.88299	0.0414359	0.17242954	3.1968942	20	3 27.6	20.2
214971 2008 AW_{4}	15.7	X	189.08664	285.17480	128.75599	14.11452	0.1233096	0.18810838	3.0166895	20	5 24.3	20.7
214972 2008 AY_{11}	15.6	X	117.56338	315.96136	129.46297	12.81571	0.0844221	0.17871834	3.1214518	20	4 18.4	20.4
214973 2008 AZ_{15}	16.0	X	226.61872	9.70317	277.19639	6.83212	0.1894584	0.24422892	2.5347667	20	1 16.8	20.2
214974 2008 AX_{56}	16.2	X	74.55857	157.09143	134.31656	4.95763	0.0447570	0.21385905	2.7693911	20	11 9.1	20.0
214975 2008 AL_{59}	16.6	X	244.31566	281.21554	155.56200	2.42799	0.0455089	0.20396589	2.8582334	20	8 26.9	20.6
214976 2008 AF_{66}	16.1	X	327.76937	141.60381	98.86554	2.44907	0.0856531	0.17453009	3.1711918	20	4 1.2	20.1
214977 2008 AD_{68}	15.7	X	305.81042	211.04526	128.30380	9.59594	0.0214193	0.19314886	2.9639755	20	7 13.9	19.7
214978 2008 AG_{68}	15.7	X	29.51587	91.22940	131.74241	8.29386	0.0699098	0.18418997	3.0593234	20	6 10.4	19.7
214979 2008 AM_{70}	16.5	X	127.85804	193.88947	94.54011	3.90815	0.0847857	0.22714846	2.6602933	20	—	—
214980 2008 AL_{72}	15.3	X	113.63840	349.20919	105.66661	13.42865	0.0637960	0.18002945	3.1062782	20	4 23.8	20.0
214981 2008 AP_{72}	14.9	X	287.02673	185.37401	110.10111	17.73090	0.0828289	0.18033413	3.1027784	20	4 23.1	19.6
214982 2008 AC_{77}	15.9	X	281.80843	357.23961	61.95165	4.52398	0.0842170	0.20944360	2.8081781	20	9 20.9	19.5
214983 2008 AG_{80}	16.6	X	325.38639	203.58757	182.20482	0.40485	0.0842428	0.20946977	2.8079442	20	10 10.9	19.8
214984 2008 AB_{81}	16.0	X	208.04086	285.08950	141.87550	11.92216	0.0961526	0.19236213	2.9720515	20	6 26.3	20.7
214985 2008 AP_{110}	15.4	X	352.58607	131.90421	123.74226	12.26345	0.0864738	0.18370021	3.0647587	20	5 30.0	19.4
214986 2008 AY_{114}	16.5	X	76.85289	137.06592	153.60195	5.81255	0.0505948	0.21173779	2.7878568	20	11 11.3	20.4
214987 2008 AO_{117}	16.1	X	271.94472	212.67394	72.31477	2.51808	0.1345324	0.17113027	3.2130549	20	3 9.9	20.9
214988 2008 BH_{14}	15.8	X	291.96789	282.99663	42.28769	10.39466	0.1062190	0.18880640	3.0092498	20	5 23.9	19.8
214989 2008 BP_{18}	15.6	X	53.39545	1.69775	146.10351	4.57227	0.0656014	0.17710538	3.1403753	20	4 8.5	19.8
214990 2008 BB_{42}	15.5	X	150.47842	30.06369	87.05081	11.28109	0.0953329	0.18911525	3.0059726	20	6 28.4	20.2
214991 2008 CM_{21}	16.2	X	285.17444	233.27466	107.00919	5.82497	0.1731291	0.19108628	2.9852660	20	5 26.7	20.3
214992 2008 CJ_{23}	15.3	X	149.16484	286.42361	156.52887	12.05059	0.0206180	0.17953202	3.1120133	20	5 13.6	19.9
214993 2008 CM_{28}	15.6	X	311.18355	132.26957	103.49600	7.83473	0.0898818	0.16822487	3.2499443	20	3 5.8	20.1
214994 2008 CR_{38}	15.6	X	229.98295	254.58882	136.89657	10.97025	0.0872000	0.18810948	3.0166778	20	6 7.6	20.3
214995 2008 CS_{45}	15.7	X	334.24232	162.16487	164.94522	12.52775	0.0495912	0.19600391	2.9351225	20	8 3.5	19.6
214996 2008 CU_{45}	15.4	X	163.17306	231.59991	167.69486	9.41427	0.0723041	0.17571189	3.1569566	20	4 7.7	20.2
214997 2008 CK_{47}	15.4	X	258.40317	170.57739	164.95630	16.84148	0.0542794	0.18201272	3.0836724	20	5 7.4	20.1
214998 2008 CT_{77}	16.0	X	267.20529	306.19921	111.86539	7.16006	0.0721816	0.20223420	2.8745265	20	8 30.6	19.9
214999 2008 CY_{129}	16.1	X	239.05580	259.46866	164.16065	6.32230	0.0737324	0.19577698	2.9373901	20	7 28.5	20.4
215000 2008 CQ_{137}	15.9	X	271.51647	183.31872	146.00900	11.10220	0.1126416	0.17862253	3.1225679	20	5 7.3	20.6
215001 2008 CO_{149}	15.6	X	226.32103	224.52152	171.74911	11.85256	0.1433703	0.18691407	3.0295262	20	6 4.4	20.5
215002 2008 CE_{158}	15.8	X	254.38595	218.77126	165.08877	11.06222	0.0066800	0.18821151	3.0155875	20	7 5.5	20.2
215003 2008 CQ_{162}	16.3	X	222.99567	211.09623	174.08739	1.06928	0.1206015	0.18555364	3.0443160	20	5 18.9	21.1
215004 2008 CW_{198}	17.3	X	8.79215	283.09003	354.02478	4.53884	0.2187692	0.26165855	2.4209144	20	8 14.9	19.1
215005 2008 DL_{6}	16.4	X	163.37882	176.87311	142.93015	9.91093	0.0931095	0.23729445	2.5839116	20	—	—
215006 2008 DN_{31}	15.4	X	136.62979	26.91360	84.22982	11.11057	0.0586252	0.18548123	3.0451083	20	6 3.7	19.8
215007 2008 DC_{34}	15.5	X	264.74061	189.14301	186.67599	9.08057	0.0733187	0.18942213	3.0027251	20	6 28.7	19.9
215008 2008 DT_{65}	15.9	X	78.13062	288.91249	111.45736	16.42857	0.1800282	0.23823847	2.5770813	20	—	—
215009 2008 DR_{79}	14.8	X	174.42092	356.64001	55.14251	16.46413	0.0673107	0.17707418	3.1407442	20	5 4.7	19.5
215010 2008 EU_{18}	15.6	X	112.14754	289.12169	158.76680	9.15471	0.0655348	0.17578893	3.1560342	20	4 9.9	20.2
215011 2008 ES_{19}	15.7	X	169.23365	17.25719	14.33491	9.56089	0.0939617	0.17555277	3.1588640	20	4 3.8	20.5
215012 2008 EG_{103}	15.2	X	202.04810	281.13337	93.70628	6.61633	0.0858947	0.17378009	3.1803094	20	4 19.8	20.2
215013 2008 GX_{67}	15.8	X	204.57534	259.80685	14.50633	11.83688	0.1968039	0.22050892	2.7134299	20	—	—
215014 2008 SM_{1}	15.9	X	169.89224	161.82786	206.65320	8.27483	0.2510512	0.20958663	2.8069004	20	3 10.1	20.9
215015 2008 TP_{120}	15.2	X	96.59505	185.09406	125.07508	6.09163	0.1165192	0.17895443	3.1187059	20	12 24.3	20.1
215016 Catherinegriffin	15.8	X	189.54507	249.28634	283.88564	13.69002	0.0664778	0.24629978	2.5205387	20	10 21.8	19.7
215017 2008 XD_{49}	16.1	X	251.49975	126.73288	314.75162	21.25051	0.0965061	0.22860942	2.6489472	20	8 30.4	19.9
215018 2008 YS_{51}	18.0	X	73.21512	297.42722	330.74551	2.98365	0.0941843	0.31180270	2.1538534	20	10 29.7	20.6
215019 2008 YB_{159}	15.8	X	158.74781	95.29885	21.31681	5.90587	0.0383527	0.19803722	2.9149973	20	7 5.9	20.1
215020 2009 BE_{14}	13.0	X	185.93012	334.29035	40.69343	12.12105	0.0324881	0.08369717	5.1760152	20	4 8.6	20.0
215021 2009 BJ_{71}	16.2	X	231.95090	123.95270	358.03756	13.25958	0.2029206	0.22662120	2.6644180	20	9 21.3	20.1
215022 2009 BA_{73}	15.9	X	257.57660	266.82200	137.75636	12.24478	0.0232688	0.21206969	2.7849473	20	8 5.7	19.7
215023 2009 BR_{76}	15.9	X	291.40570	199.80688	147.86396	7.24589	0.0557153	0.20961690	2.8066302	20	7 1.3	19.6
215024 2009 BV_{81}	15.4	X	184.99947	146.47581	87.59481	15.35698	0.0669209	0.23946513	2.5682730	20	—	—
215025 2009 BG_{86}	16.9	X	162.08810	129.58314	124.60656	5.10618	0.1430229	0.23864978	2.5741194	20	12 31.0	20.9
215026 2009 BP_{108}	16.0	X	288.27892	282.04731	61.88011	3.09665	0.0584506	0.20172505	2.8793613	20	6 21.3	19.7
215027 2009 BK_{111}	17.2	X	354.41006	6.23639	142.12648	1.17345	0.1620582	0.26427704	2.4048967	20	—	—
215028 2009 BO_{112}	17.1	X	325.11279	98.61102	158.48176	6.85724	0.0958158	0.27084880	2.3658368	20	4 11.2	19.7
215029 2009 BF_{130}	16.0	X	142.19912	161.98168	358.33345	9.42706	0.0563152	0.20971876	2.8057213	20	8 15.9	20.1
215030 2009 BF_{170}	16.1	X	159.42652	44.17404	308.04737	4.29588	0.1445197	0.17932022	3.1144632	20	2 10.4	21.1
215031 2009 BA_{179}	16.6	X	310.45591	96.79018	173.46680	6.71523	0.1027798	0.26819762	2.3814023	20	4 4.9	19.2
215032 2009 BD_{179}	15.3	X	320.33573	86.37301	190.36502	9.45628	0.0411160	0.18513567	3.0488963	20	5 12.0	19.4
215033 2009 CP_{12}	15.9	X	70.32317	323.00777	206.92663	4.25357	0.0502084	0.19592292	2.9359313	20	5 26.3	19.8
215034 2009 CR_{12}	16.9	X	71.53533	311.99639	172.11715	6.85763	0.0628273	0.27380744	2.3487631	20	3 23.9	19.4
215035 2009 CD_{28}	16.2	X	208.68723	318.17348	127.83751	5.48218	0.1285713	0.21233116	2.7826605	20	7 19.3	20.6
215036 2009 CC_{39}	17.1	X	339.34356	359.71041	188.74396	4.07124	0.1488018	0.26289186	2.4133369	20	1 16.9	19.8
215037 2009 CR_{40}	17.3	X	257.35735	111.56698	307.33436	5.96898	0.1344243	0.22183027	2.7026440	20	8 8.4	21.1
215038 2009 CZ_{43}	17.2	X	12.12223	297.54264	182.76230	1.23413	0.1415897	0.25693350	2.4505048	20	—	—
215039 2009 CM_{53}	16.3	X	299.52231	260.81458	137.84716	6.83868	0.1050112	0.22697318	2.6616627	20	9 20.4	19.3
215040 2009 CS_{59}	16.1	X	340.66653	354.83039	84.04511	7.25557	0.1359239	0.24211260	2.5495163	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
215041 2009 CA_{60}	15.4	X	343.07988	199.76443	22.02135	16.32985	0.0611926	0.17779681	3.1322283	20	4 2.3	19.4
215042 2009 DK_{3}	16.7	X	330.76961	4.06830	185.07669	5.94388	0.1967366	0.26136464	2.4227289	20	—	—
215043 2009 DF_{4}	16.3	X	348.42109	331.36254	180.68822	9.11008	0.1612322	0.25805938	2.4433721	20	—	—
215044 Joãoalves	17.9	X	27.24453	140.58231	335.78728	0.87927	0.1377209	0.26162918	2.4210956	20	1 1.6	20.2
215045 2009 DQ_{6}	17.6	X	52.95763	267.25944	161.88420	1.73789	0.1399715	0.26139939	2.4225142	20	—	—
215046 2009 DS_{9}	15.3	X	78.30265	110.57922	7.76967	17.04414	0.1548239	0.18378619	3.0638027	20	4 12.2	19.4
215047 2009 DE_{17}	16.9	X	296.15632	240.15195	359.07160	5.51416	0.0831000	0.26177456	2.4201991	20	2 7.1	20.0
215048 2009 DZ_{18}	16.5	X	259.69364	336.51394	146.31574	3.28786	0.0164657	0.22857673	2.6491998	20	11 24.2	20.0
215049 2009 DQ_{34}	15.6	X	294.70365	198.29153	73.09924	2.05108	0.1839921	0.17649152	3.1476528	20	3 12.1	19.9
215050 2009 DU_{40}	16.7	X	162.29989	252.98810	317.71018	1.82841	0.1021184	0.22787355	2.6546469	20	11 7.9	20.6
215051 2009 DL_{41}	16.7	X	289.68894	3.53478	179.26015	3.46071	0.1277448	0.25260390	2.4784263	20	—	—
215052 2009 DA_{47}	15.5	X	35.06596	118.59493	345.47109	24.39933	0.2612029	0.17486323	3.1671628	20	2 6.9	18.8
215053 2009 DL_{47}	16.2	X	47.76150	242.51708	33.06557	8.68289	0.1387992	0.20925366	2.8098772	20	9 29.7	19.9
215054 2009 DJ_{64}	16.7	X	350.36790	165.18215	121.80597	7.13281	0.1143222	0.28494058	2.2871774	20	7 11.9	18.5
215055 2009 DR_{70}	17.7	X	53.73277	238.96830	221.10590	0.71242	0.1441175	0.26470723	2.4022904	20	1 28.9	19.9
215056 2009 DN_{75}	15.8	X	311.28121	116.22627	119.63787	2.18946	0.1020115	0.17605495	3.1528542	20	2 29.9	20.1
215057 2009 DE_{83}	17.2	X	63.29521	113.17405	55.87370	2.80249	0.1416993	0.27640091	2.3340478	20	5 28.1	19.7
215058 2009 DW_{94}	15.1	X	259.43419	201.23459	13.88119	16.10694	0.0809465	0.15780233	3.3915153	20	—	—
215059 2009 DK_{113}	16.7	X	119.66634	190.48998	80.67900	1.31468	0.1212839	0.22494527	2.6776356	20	12 9.6	20.8
215060 2009 DN_{119}	15.7	X	299.30775	42.78401	174.62891	5.38832	0.1143797	0.16969717	3.2311192	20	1 21.5	20.4
215061 2009 DM_{124}	16.3	X	206.91103	232.09953	130.36970	2.72859	0.0732037	0.18353123	3.0666396	20	4 8.0	20.9
215062 2009 DC_{125}	16.2	X	308.19681	234.78768	140.25514	3.16199	0.0780446	0.21139193	2.7908968	20	8 31.1	19.5
215063 2009 DQ_{125}	17.0	X	129.48870	338.76615	36.97490	2.65721	0.0509856	0.25434906	2.4670765	20	1 18.5	20.2
215064 2009 DC_{126}	16.7	X	68.58589	188.83915	195.89776	2.50051	0.0434507	0.24188195	2.5511368	20	—	—
215065 2009 DR_{126}	16.5	X	181.59143	130.27664	202.34444	2.17963	0.1903932	0.25530670	2.4609034	20	2 1.5	20.4
215066 2009 DX_{126}	16.9	X	277.74033	321.98396	318.57128	3.81475	0.0620255	0.26740061	2.3861319	20	3 8.8	20.0
215067 2009 DY_{126}	16.4	X	171.28802	345.62132	208.75472	3.99175	0.0508050	0.22172161	2.7035270	20	10 30.6	20.1
215068 2009 DU_{129}	15.7	X	282.74450	94.87557	185.17641	13.09938	0.1553252	0.17672589	3.1448693	20	3 10.3	20.4
215069 2009 DV_{129}	16.9	X	205.94444	139.10663	321.31790	1.23015	0.2099207	0.21123132	2.7923113	20	7 29.7	21.6
215070 2009 DD_{130}	17.8	X	41.42557	99.05203	199.88313	3.57225	0.1536653	0.29748269	2.2224308	20	11 8.4	20.3
215071 2009 ET_{3}	16.7	X	356.40675	206.52014	5.62779	8.29273	0.1443008	0.26982027	2.3718452	20	3 23.2	18.5
215072 2009 EV_{10}	17.2	X	312.53792	217.69135	16.87813	4.99122	0.1795563	0.26481278	2.4016521	20	2 7.5	20.2
215073 2009 EC_{20}	15.7	X	200.85403	47.69959	111.01521	10.14305	0.0274400	0.22309634	2.6924093	20	10 27.4	19.6
215074 2009 EV_{20}	16.0	X	88.92797	110.12696	4.97135	5.80174	0.1340513	0.18414753	3.0597935	20	4 20.8	20.4
215075 2009 EY_{20}	17.3	X	355.34217	264.99032	344.47123	1.60259	0.1925140	0.27316392	2.3524505	20	5 17.1	18.9
215076 2009 FP_{3}	16.4	X	88.51466	70.26063	180.67435	5.08164	0.0393053	0.21487508	2.7606543	20	10 3.9	20.2
215077 2009 FY_{15}	16.9	X	240.77142	45.22103	100.60603	4.66608	0.1479801	0.22709303	2.6607262	20	11 10.1	20.4
215078 2009 FL_{18}	16.9	X	317.50665	340.33828	248.39347	2.30634	0.1579799	0.26211859	2.4180810	20	2 7.3	19.9
215079 2009 FO_{18}	15.6	X	99.14609	308.37619	198.30504	10.18217	0.0569371	0.19229268	2.9727670	20	6 3.9	19.9
215080 Kaohsiung	16.8	X	142.46641	176.52256	8.05409	4.47365	0.1347323	0.21149040	2.7900304	20	9 16.6	21.3
215081 2009 FU_{21}	17.0	X	309.36921	105.98146	132.49771	2.64426	0.0881198	0.26235139	2.4166503	20	2 21.5	19.7
215082 2009 FT_{22}	17.0	X	308.11254	103.29266	157.36759	3.19422	0.1249716	0.26612688	2.3937395	20	3 14.8	19.7
215083 2009 FH_{23}	15.5	X	303.10482	220.79367	45.73401	5.38597	0.1537314	0.17756423	3.1349628	20	3 22.1	19.7
215084 2009 FX_{29}	16.3	X	352.94393	224.68648	224.30796	8.39010	0.0109760	0.23720886	2.5845332	20	—	—
215085 2009 FZ_{36}	16.2	X	91.11416	143.43226	88.58624	4.04206	0.1000604	0.21180333	2.7872817	20	9 21.6	20.2
215086 2009 FJ_{43}	15.2	X	349.34105	140.66607	88.34187	17.44037	0.0541292	0.18045879	3.1013494	20	4 26.8	19.6
215087 2009 FL_{43}	15.3	X	5.10478	129.42569	58.44086	13.35994	0.1849348	0.17840604	3.1250935	20	3 23.7	18.9
215088 2220 *P–L*	15.9	X	158.33076	15.64015	0.95517	14.25274	0.1762232	0.17404517	3.1770794	20	3 12.8	21.0
215089 Hermanfrid	14.7	X	203.16684	233.94564	162.56577	3.21855	0.2396622	0.12610695	3.9383112	20	5 10.9	21.3
215090 2823 *P–L*	17.3	X	130.12295	158.20112	184.32373	4.52228	0.1867883	0.30248470	2.1978621	20	—	—
215091 6228 *P–L*	17.0	X	223.46880	181.67209	192.72559	6.83879	0.1638802	0.29154112	2.2525244	20	5 1.1	20.3
215092 6256 *P–L*	16.6	X	176.40652	350.07868	355.27096	6.16813	0.1804190	0.23881478	2.5729336	20	2 15.6	20.7
215093 6823 *P–L*	16.9	X	154.80242	217.76279	140.27940	1.78233	0.1939460	0.25466813	2.4650155	20	2 9.5	20.8
215094 5043 *T–2*	15.5	X	40.42204	8.28072	327.81917	11.44380	0.2434531	0.23355337	2.6114314	20	12 24.4	19.4
215095 3131 *T–3*	14.8	X	250.42518	128.86953	193.29097	23.40104	0.2691328	0.17693631	3.1423754	20	3 16.9	20.2
215096 3259 *T–3*	17.2	X	172.38739	217.93076	175.36496	1.98060	0.1969305	0.26616952	2.3934839	20	4 8.4	21.1
215097 5049 *T–3*	16.9	X	224.67866	245.59896	121.88662	7.10681	0.1952015	0.26839685	2.3802237	20	4 24.3	20.8
215098 5053 *T–3*	16.6	X	242.54085	254.04340	97.45029	6.41479	0.1356595	0.26863063	2.3788425	20	4 25.5	20.1
215099 1981 EN_{36}	16.1	X	245.98429	250.65051	218.58091	7.88182	0.1699501	0.21492654	2.7602135	20	9 21.4	20.1
215100 1992 *RD*	16.0	X	42.94970	148.62497	130.40370	26.47694	0.2325262	0.28363700	2.2941798	20	11 2.9	19.7
215101 1995 *LB*	16.5	X	21.86107	80.40265	238.47470	20.10045	0.0828327	0.36398196	1.9427465	20	11 12.4	18.3
215102 1995 OC_{7}	16.7	X	290.82408	213.46313	135.39427	5.70261	0.1195197	0.23249353	2.6193617	20	6 23.5	19.9
215103 1995 UZ_{15}	15.4	X	194.12159	337.12530	69.22177	10.11828	0.0878641	0.18175301	3.0866092	20	5 17.7	20.1
215104 1995 UL_{18}	16.6	X	92.15744	255.32897	209.65603	4.96029	0.1087312	0.25919119	2.4362540	20	4 3.9	19.5
215105 1995 UV_{52}	16.5	X	87.08036	182.05428	268.18740	1.18731	0.1398135	0.25668742	2.4520707	20	3 12.4	19.2
215106 1995 VQ_{2}	17.0	X	250.86573	287.39306	45.18697	1.96807	0.1932897	0.26399720	2.4065959	20	4 2.1	20.5
215107 1996 RX_{15}	12.9	X	295.30358	89.18444	342.51013	4.22814	0.0370835	0.08332449	5.1914371	20	10 6.2	19.7
215108 1996 RC_{18}	16.7	X	226.23630	284.24986	147.72707	2.96906	0.1190937	0.28356205	2.2945841	20	7 25.2	19.7
215109 1996 VM_{15}	17.4	X	14.81134	63.60474	221.96421	4.97542	0.1128649	0.28163079	2.3050621	20	8 25.0	19.8
215110 1997 NO_{5}	12.7	X	244.61178	271.59591	71.37070	25.19577	0.1051374	0.08338445	5.1889483	20	5 2.9	20.0
215111 1997 WK_{56}	16.7	X	35.24560	125.79945	227.94950	5.09440	0.0805375	0.21794012	2.7347098	20	12 12.8	20.3
215112 1997 XR_{7}	15.6	X	144.82858	91.68265	230.38963	13.02620	0.2079750	0.22821741	2.6519797	20	—	—
215113 1998 DD_{2}	16.6	X	87.79549	109.18802	347.43129	8.35162	0.3199251	0.18476402	3.0529834	20	4 20.5	21.2
215114 1998 DJ_{8}	17.2	X	45.63793	201.06574	298.75576	1.29561	0.1264449	0.26956350	2.3733511	20	3 10.1	19.5
215115 1998 *EO*	17.3	X	203.42769	265.14579	184.97321	6.13961	0.0593227	0.28232220	2.3012971	20	7 27.3	20.4
215116 1998 MG_{44}	16.4	X	303.69279	336.70436	286.00155	7.86941	0.1915922	0.26075879	2.4264801	20	2 26.4	19.7
215117 1998 RQ_{10}	16.9	X	204.82532	256.53802	356.62990	5.72356	0.1631127	0.28782509	2.2718707	20	—	—
215118 1998 TO_{12}	17.2	X	185.33709	105.77204	222.82580	0.37267	0.1619970	0.24495114	2.5297819	20	1 31.4	21.3
215119 1998 WU_{38}	17.3	X	281.78915	37.59315	66.68502	2.96345	0.1528030	0.22400318	2.6851379	20	11 12.2	20.3
215120 1999 JG_{4}	16.7	X	90.48178	34.06744	252.62932	7.82895	0.2844289	0.29706089	2.2245341	20	12 21.3	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
215121 1999 JB_{11}	18.4	X	144.52260	30.90494	216.48490	37.10021	0.2547675	0.39421787	1.8420943	20	12 21.7	22.0
215122 1999 LG_{4}	16.0	X	126.02956	79.81283	248.24513	24.36771	0.2591504	0.30370097	2.1919902	20	—	—
215123 1999 RS_{41}	17.2	X	40.19772	106.87422	167.76938	22.48577	0.0872983	0.37607897	1.9008595	20	10 9.9	19.2
215124 1999 RV_{73}	14.7	X	318.50923	62.00184	250.85581	14.69428	0.2838480	0.18161348	3.0881899	20	5 21.8	18.0
215125 1999 RY_{78}	17.2	X	290.64027	182.82878	166.11149	8.19893	0.1362395	0.27640193	2.3340420	20	6 22.1	19.9
215126 1999 RX_{122}	15.7	X	289.17703	112.87032	209.26694	12.48198	0.3308754	0.17966791	3.1104439	20	4 15.1	20.3
215127 1999 RG_{135}	16.9	X	8.25682	314.74656	337.63390	12.81863	0.2169981	0.28239644	2.3008938	20	9 9.1	18.5
215128 1999 RO_{138}	16.0	X	332.37772	81.46157	261.43980	11.46431	0.1942971	0.23320621	2.6140224	20	8 17.4	18.7
215129 1999 RW_{153}	16.6	X	216.73697	159.99857	201.41291	5.92206	0.1542884	0.26823232	2.3811969	20	4 7.7	20.3
215130 1999 RB_{199}	14.6	X	292.72995	60.62287	238.50389	13.74889	0.2152915	0.17838911	3.1252913	20	4 3.3	19.2
215131 1999 RH_{237}	16.8	X	275.61575	274.61457	82.26405	5.66978	0.2493403	0.27433561	2.3457475	20	5 24.1	19.8
215132 1999 TQ_{4}	17.0	X	294.66138	176.76504	202.76448	22.02220	0.0642645	0.37249579	1.9130301	20	9 5.9	19.0
215133 1999 TU_{33}	15.2	X	273.65980	151.40536	205.55849	9.93736	0.2315403	0.17737661	3.1371732	20	5 25.5	19.9
215134 1999 TG_{65}	16.0	X	251.21096	91.99205	224.70574	0.43974	0.0703246	0.17198960	3.2023435	20	3 31.1	20.8
215135 1999 TA_{124}	16.8	X	178.56212	226.71136	179.71013	6.08758	0.1828690	0.26490833	2.4010745	20	5 1.2	20.6
215136 1999 TY_{163}	17.0	X	289.09607	179.20552	169.22137	5.96392	0.2549928	0.27421302	2.3464466	20	5 29.8	19.9
215137 1999 TW_{171}	16.9	X	175.75871	187.20041	193.11887	2.11962	0.2189824	0.26177433	2.4202005	20	3 26.6	20.9
215138 1999 TL_{206}	16.3	X	116.23498	3.08123	28.85119	8.31618	0.1848764	0.25297872	2.4759777	20	2 14.5	19.7
215139 1999 TS_{218}	15.5	X	269.12366	102.59704	211.50659	4.83893	0.1904420	0.17271439	3.1933783	20	4 1.9	20.2
215140 1999 TP_{260}	17.1	X	302.95492	39.40088	276.45943	2.67818	0.1789275	0.27255519	2.3559519	20	5 14.9	19.6
215141 1999 TS_{280}	15.2	X	205.44275	198.37633	175.46616	19.42122	0.1476778	0.17159815	3.2072118	20	4 19.9	20.5
215142 1999 UO_{39}	15.9	X	299.07638	96.66237	167.32106	2.30982	0.0633510	0.16941398	3.2347189	20	3 25.5	20.3
215143 1999 UN_{50}	16.7	X	282.31098	216.59598	139.83211	3.87493	0.2461514	0.27353803	2.3503051	20	6 1.8	19.5
215144 1999 UV_{51}	16.2	X	332.73856	281.87884	62.91081	22.81368	0.2863305	0.27892472	2.3199469	20	10 3.2	18.1
215145 1999 UM_{57}	17.6	X	351.46605	64.18971	219.35270	1.43303	0.2076426	0.27302134	2.3532694	20	7 8.4	19.1
215146 1999 VA_{28}	16.1	X	215.50220	138.39172	233.69674	8.31295	0.0979494	0.26437869	2.4042802	20	4 22.1	19.5
215147 1999 VK_{66}	16.8	X	118.77774	358.46118	55.18827	7.13292	0.1401286	0.25613206	2.4556139	20	3 10.2	20.2
215148 1999 VJ_{69}	16.5	X	333.88373	99.70994	216.22940	9.00962	0.1730842	0.27509222	2.3414444	20	7 18.1	18.6
215149 1999 VC_{114}	14.7	X	273.17848	112.66166	227.35589	25.03615	0.2786216	0.17638167	3.1489595	20	4 26.7	19.6
215150 1999 VJ_{117}	17.7	X	354.39097	93.82177	180.76999	2.38592	0.1820419	0.27504228	2.3417278	20	6 29.9	19.4
215151 1999 VP_{150}	15.2	X	296.18100	90.30114	227.98557	14.64287	0.2475918	0.17590526	3.1546426	20	4 30.3	19.6
215152 1999 VF_{174}	16.7	X	227.70410	175.52072	228.06105	19.97619	0.0776371	0.36485351	1.9396515	20	6 21.6	19.2
215153 1999 VX_{193}	15.7	X	239.27857	330.55079	38.99977	17.62020	0.2563556	0.22060410	2.7126494	20	5 2.9	20.1
215154 1999 XR_{139}	17.6	X	279.07610	282.93889	77.20499	1.94996	0.2532879	0.27242408	2.3567077	20	5 31.9	20.3
215155 1999 XH_{146}	17.2	X	282.92914	250.15145	70.80763	6.95862	0.1971930	0.26777094	2.3839314	20	4 23.3	20.3
215156 1999 XX_{215}	16.2	X	261.44187	96.43456	103.45012	14.31692	0.1307175	0.23865357	2.5740921	20	—	—
215157 1999 XY_{251}	17.3	X	211.26918	155.30935	213.32463	3.29437	0.2274647	0.26389896	2.4071931	20	4 9.5	21.4
215158 2000 AE_{59}	14.5	X	326.67934	76.93990	312.69903	10.85392	0.3350967	0.18058491	3.0999051	20	9 21.5	17.0
215159 2000 AU_{91}	16.0	X	283.64902	236.24851	283.36500	3.41215	0.1899849	0.23470060	2.6029146	20	—	—
215160 2000 AY_{102}	15.5	X	111.14585	277.15165	121.10447	5.18514	0.1840094	0.25288459	2.4765920	20	2 13.3	18.6
215161 2000 AS_{178}	16.1	X	307.31160	294.54809	209.04228	6.95569	0.1729506	0.23786836	2.5797538	20	—	—
215162 2000 BB_{5}	15.5	X	12.73202	50.17902	59.00388	17.87505	0.1518157	0.24369412	2.5384738	20	—	—
215163 2000 BC_{9}	15.2	X	86.50198	7.69913	303.85555	8.68386	0.0849173	0.18122581	3.0925924	20	12 13.2	19.9
215164 2000 CN_{15}	15.5	X	96.80890	240.03067	286.74363	13.58148	0.1983598	0.21077328	2.7963553	20	7 14.9	19.7
215165 2000 CG_{22}	15.8	X	124.22907	210.35581	304.25836	6.01369	0.2075968	0.21189806	2.7864509	20	7 27.6	20.4
215166 2000 CQ_{40}	16.8	X	283.46610	23.20060	102.07791	4.29572	0.2448692	0.23054232	2.6341203	20	12 3.9	19.3
215167 2000 EL_{26}	18.6	X	20.08771	96.86850	152.34651	26.97118	0.3090047	0.44851782	1.6902447	20	9 20.6	19.8
215168 2000 EU_{29}	15.8	X	227.89966	227.12994	352.92337	11.13756	0.1352667	0.23275949	2.6173660	20	—	—
215169 2000 EM_{112}	16.2	X	244.83303	12.97853	195.01715	4.59479	0.1728706	0.23298458	2.6156799	20	—	—
215170 2000 FR_{9}	16.0	X	112.71841	135.86479	190.40225	11.87819	0.1302694	0.22738770	2.6584270	20	—	—
215171 2000 FX_{23}	16.1	X	166.79185	142.37613	112.54513	10.52503	0.1926025	0.22410596	2.6843168	20	12 30.8	20.5
215172 2000 GQ_{67}	16.1	X	210.34383	3.10932	182.96276	3.29453	0.1198116	0.22210513	2.7004138	20	11 26.7	20.1
215173 2000 GO_{73}	15.1	X	53.35857	174.47102	219.70789	12.89298	0.1858821	0.22739144	2.6583978	20	—	—
215174 2000 GU_{100}	16.9	X	214.41275	299.55439	210.42224	8.24866	0.3827747	0.22158751	2.7046175	20	9 21.7	21.8
215175 2000 GS_{117}	16.9	X	169.13074	114.27078	187.77343	3.20308	0.1708061	0.23224694	2.6212154	20	—	—
215176 2000 GQ_{120}	16.2	X	106.37303	185.89684	170.96591	2.46964	0.2273675	0.23049650	2.6344694	20	—	—
215177 2000 GM_{163}	16.2	X	254.88799	49.17296	102.73748	2.82997	0.1138024	0.22533939	2.6745126	20	12 10.1	19.4
215178 2000 GO_{166}	16.3	X	189.59146	18.23269	203.52057	1.02553	0.1144478	0.22357173	2.6885913	20	12 18.3	20.1
215179 2000 GQ_{171}	16.2	X	205.42326	13.70960	194.85864	9.61241	0.1992822	0.22395156	2.6855505	20	12 10.5	20.5
215180 2000 HX_{2}	16.6	X	230.79369	28.22991	130.73813	3.97719	0.1095763	0.21973470	2.7197999	20	11 18.1	20.3
215181 2000 HE_{3}	16.6	X	213.78535	131.78165	34.73836	1.57526	0.1624977	0.22028155	2.7152968	20	10 31.6	20.6
215182 2000 HE_{67}	16.0	X	151.14567	178.39155	35.84287	9.50910	0.0829511	0.21672174	2.7449497	20	10 31.0	20.0
215183 2000 HB_{74}	16.5	X	229.03308	13.48828	181.84015	1.19668	0.0724392	0.22593122	2.6698399	20	—	—
215184 2000 HX_{103}	16.0	X	169.48950	155.27427	104.25118	15.16447	0.2276928	0.22216687	2.6999135	20	—	—
215185 2000 JD_{83}	16.4	X	218.75215	309.49393	230.91662	7.11208	0.0802608	0.22090751	2.7101650	20	12 3.7	20.2
215186 2000 KX	16.1	X	152.52527	9.91860	235.92517	11.70231	0.1688017	0.21911501	2.7249255	20	12 8.2	20.5
215187 2000 LQ_{25}	15.8	X	151.80972	211.77134	73.42256	8.71106	0.3244299	0.21896158	2.7261982	20	—	—
215188 2000 NM	15.4	X	175.20382	71.30914	273.36616	22.28107	0.6633114	0.22375334	2.6871363	20	2 17.1	21.8
215189 2000 NK_{10}	17.3	X	116.96755	217.10619	113.60022	4.06875	0.2683239	0.31530567	2.1378711	20	—	—
215190 2000 PU_{3}	16.3	X	123.19811	288.38303	61.02159	2.18426	0.2061383	0.31865355	2.1228707	20	—	—
215191 2000 QQ_{47}	16.8	X	35.74318	234.63337	142.85638	3.40808	0.1302305	0.30881897	2.1677044	20	—	—
215192 2000 QV_{155}	15.4	X	301.67514	163.76021	211.58907	9.36695	0.1451646	0.19532791	2.9418906	20	8 6.6	19.2
215193 2000 QM_{173}	16.8	X	129.03370	202.92877	188.34927	6.92887	0.2181487	0.27286121	2.3541900	20	2 24.6	20.2
215194 2000 SN_{18}	16.8	X	109.86581	342.78359	299.27082	7.64528	0.1706031	0.30658449	2.1782243	20	12 30.6	20.1
215195 2000 SA_{22}	15.8	X	291.92613	98.24467	188.54680	27.20776	0.3234643	0.23409470	2.6074040	20	2 29.6	20.1
215196 2000 SK_{30}	16.7	X	86.81496	290.18330	355.37258	6.68276	0.1050134	0.30410234	2.1900610	20	12 7.8	19.7
215197 2000 SN_{42}	18.5	X	337.59302	284.57334	173.69790	4.37241	0.1185512	0.40909692	1.7971538	20	—	—
215198 2000 SZ_{69}	17.6	X	294.47264	302.63475	40.77782	7.32383	0.2207655	0.28899304	2.2657455	20	6 3.5	20.0
215199 2000 SB_{130}	12.3	X	233.58715	123.35063	224.84819	18.06457	0.2142912	0.08283673	5.2117960	20	4 9.7	20.0
215200 2000 SB_{134}	15.2	X	194.54114	160.66138	227.74203	9.92167	0.1171177	0.18008191	3.1056749	20	4 24.1	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
215201 2000 SX_{139}	14.9	X	335.79301	117.01455	222.41759	9.48485	0.1106138	0.19273115	2.9682566	20	8 17.8	18.7
215202 2000 SZ_{159}	16.0	X	93.78696	81.31515	222.75828	18.85878	0.3218941	0.20945305	2.8080937	20	12 30.0	21.3
215203 2000 SO_{191}	17.6	X	44.76154	287.45575	32.63278	5.30627	0.2133494	0.30289409	2.1958813	20	12 18.9	20.6
215204 2000 SL_{208}	17.5	X	94.82705	138.17509	199.13482	3.44967	0.1972275	0.31047107	2.1600076	20	—	—
215205 2000 SB_{224}	15.6	X	184.31153	3.51733	25.70926	7.61799	0.1630493	0.17724420	3.1387353	20	4 16.4	20.7
215206 2000 SY_{248}	17.7	X	73.40330	283.06015	68.25992	1.28273	0.1866234	0.30984399	2.1629210	20	—	—
215207 2000 SO_{269}	16.6	X	351.36233	319.12252	56.77281	6.03071	0.1526480	0.29857436	2.2170103	20	12 12.1	18.6
215208 2000 SC_{300}	15.2	X	255.51632	160.22221	206.21737	12.19259	0.1064385	0.18498098	3.0505957	20	6 1.8	19.7
215209 2000 SL_{339}	15.4	X	113.44894	282.51529	34.87278	19.64213	0.3339990	0.21232778	2.7826900	20	—	—
215210 2000 SB_{351}	15.2	X	249.77807	304.49730	61.08116	17.37802	0.1461479	0.18515189	3.0487182	20	5 20.0	19.9
215211 2000 SF_{356}	15.1	X	86.50426	266.13302	71.11176	12.88227	0.2121632	0.20922506	2.8101333	20	—	—
215212 2000 TC_{11}	16.4	X	269.79009	295.31899	22.39173	5.37068	0.1299818	0.23160032	2.6260921	20	4 11.9	19.9
215213 2000 TV_{18}	15.4	X	316.17450	125.34180	205.65603	10.10511	0.1016910	0.18834234	3.0141908	20	7 7.0	19.4
215214 2000 TH_{20}	15.3	X	352.75385	222.95210	125.24323	9.79122	0.0924852	0.19658645	2.9293212	20	10 6.4	19.0
215215 2000 TU_{35}	16.9	X	145.27269	142.46605	333.72804	1.66718	0.1912567	0.28113521	2.3077701	20	6 29.4	20.6
215216 2000 UE_{9}	16.2	X	46.87276	88.62365	230.23712	6.01632	0.1609343	0.29827619	2.2184875	20	12 12.7	19.1
215217 2000 UX_{16}	16.9	X	304.15804	344.41272	41.29600	4.05674	0.1380823	0.29242248	2.2479960	20	9 19.0	18.6
215218 2000 UH_{20}	15.5	X	262.28839	225.07432	139.10450	1.13097	0.1817766	0.18445265	3.0564183	20	5 27.6	20.1
215219 2000 UR_{112}	15.5	X	302.01338	274.58229	62.95260	11.99903	0.1498768	0.18523558	3.0477998	20	6 17.8	19.5
215220 2000 VJ_{13}	17.1	X	261.67496	323.95797	91.01213	3.60887	0.1288491	0.28920066	2.2646610	20	8 18.8	19.7
215221 2000 WA_{19}	16.5	X	43.26614	262.06279	71.09941	6.02740	0.2088670	0.29852496	2.2172549	20	—	—
215222 2000 WE_{29}	14.7	X	254.96491	272.96814	83.73654	22.58965	0.3085870	0.18170534	3.0871490	20	5 6.3	20.1
215223 2000 WM_{127}	15.3	X	168.62920	180.11966	233.80439	7.97316	0.0753390	0.17397580	3.1779238	20	4 28.9	20.2
215224 2000 WX_{131}	16.5	X	155.39006	26.63279	74.40808	6.85399	0.1761969	0.27783350	2.3260175	20	6 17.9	20.2
215225 2000 WP_{140}	17.0	X	128.99699	19.90042	71.90480	3.37898	0.1943301	0.27263595	2.3554866	20	5 12.8	20.4
215226 2000 WY_{160}	14.7	X	264.93494	273.23144	104.15370	11.22060	0.1577362	0.18347677	3.0672464	20	6 19.7	19.2
215227 2000 WZ_{181}	15.4	X	193.01028	295.30077	109.87054	17.48482	0.2493958	0.17742694	3.1365798	20	5 17.3	21.1
215228 2000 YX_{8}	17.2	X	343.77125	358.32486	175.67117	1.15174	0.1214107	0.25936904	2.4351402	20	1 9.6	20.0
215229 2000 YO_{39}	17.0	X	55.35412	7.77298	134.16097	5.82992	0.1666130	0.26556829	2.3970950	20	4 10.5	19.4
215230 2000 YL_{44}	16.6	X	225.81201	330.99294	100.70228	7.24045	0.1596962	0.28238656	2.3009474	20	7 20.3	19.7
215231 2001 AX_{11}	17.0	X	122.31996	288.37379	191.88345	1.94385	0.1503331	0.27177134	2.3604797	20	6 8.3	20.4
215232 2001 AK_{12}	15.4	X	45.36381	300.69175	289.45358	12.23654	0.1095428	0.22450831	2.6811088	20	7 19.9	18.8
215233 2001 AZ_{21}	16.7	X	200.49718	358.80379	76.92846	7.36130	0.0742264	0.27865799	2.3214271	20	7 3.5	19.8
215234 2001 AN_{25}	15.8	X	35.46195	261.66850	301.33960	21.36684	0.2790991	0.26774184	2.3841041	20	6 27.1	18.0
215235 2001 BA_{30}	16.0	X	248.78147	212.13622	305.39943	4.97964	0.0570420	0.24335853	2.5408069	20	12 22.1	19.2
215236 2001 BP_{76}	16.4	X	134.48957	300.26274	141.33394	6.87145	0.0837364	0.26741976	2.3860180	20	4 26.5	19.7
215237 2001 DJ_{2}	16.0	X	203.32906	83.74487	334.03281	7.07054	0.1341062	0.22215358	2.7000212	20	6 7.0	20.4
215238 2001 DJ_{14}	16.7	X	222.47516	276.27866	322.92056	5.51391	0.1237986	0.29813145	2.2192055	20	—	—
215239 2001 DG_{15}	16.8	X	116.72202	19.14474	78.10373	6.10304	0.1922166	0.26796194	2.3827984	20	5 7.9	20.2
215240 2001 DY_{29}	15.8	X	235.35044	5.81469	145.67807	14.49494	0.1753781	0.23747218	2.5826222	20	11 12.1	19.6
215241 2001 DW_{64}	16.8	X	24.00319	49.25662	168.66713	5.64852	0.0515410	0.26776433	2.3839707	20	5 24.6	19.5
215242 2001 DD_{70}	16.0	X	311.68824	260.36974	338.34767	9.84049	0.2413918	0.25649746	2.4532812	20	2 3.9	19.2
215243 2001 DG_{97}	12.7	X	258.37293	324.91203	145.46520	9.98874	0.1310310	0.08234837	5.2323813	20	9 29.2	19.7
215244 2001 EN_{14}	15.9	X	340.18039	100.04765	119.61782	11.38350	0.1866503	0.25814237	2.4428484	20	3 2.2	18.4
215245 2001 FW_{187}	17.1	X	157.93422	29.68394	26.38010	3.87343	0.1210509	0.26286970	2.4134725	20	4 19.6	20.7
215246 2001 GW	17.2	X	309.85347	96.47369	34.14810	2.72441	0.1035413	0.24209303	2.5496536	20	—	—
215247 2001 KY_{17}	16.3	X	297.59452	344.59896	195.73062	8.74522	0.1420959	0.24182794	2.5515166	20	—	—
215248 2001 KJ_{34}	16.4	X	212.70948	224.40767	75.66645	7.39690	0.1957106	0.24375282	2.5380662	20	1 22.7	20.7
215249 2001 KD_{58}	15.6	X	184.19158	28.43693	211.24702	13.00157	0.1210757	0.23400619	2.6080614	20	—	—
215250 2001 KS_{62}	15.5	X	293.18812	188.95367	124.16545	11.12197	0.3364756	0.25512024	2.4621024	20	4 8.7	19.2
215251 2001 LK_{18}	16.2	X	171.76411	118.83069	131.33585	16.17371	0.2430152	0.23260651	2.6185135	20	12 28.6	20.8
215252 2001 MB_{12}	16.3	X	195.20590	216.82285	78.78745	10.52404	0.1619865	0.23686695	2.5870197	20	1 1.9	20.6
215253 2001 MG_{18}	15.8	X	218.38054	247.27701	45.92920	5.74356	0.2731543	0.23995092	2.5648055	20	1 18.9	20.5
215254 2001 MK_{31}	16.2	X	242.55046	110.67201	135.97353	9.66512	0.0814393	0.24195575	2.5506180	20	—	—
215255 2001 NJ	14.6	X	158.43266	48.28082	248.83452	31.36409	0.2405233	0.22876713	2.6477296	20	—	—
215256 2001 NR_{2}	16.0	X	154.99330	222.64054	90.59310	6.24718	0.1562307	0.23257215	2.6187713	20	—	—
215257 2001 NM_{6}	16.3	X	84.50904	220.96187	125.98047	15.21365	0.3114632	0.22370356	2.6875350	20	—	—
215258 2001 NP_{9}	15.8	X	78.49912	252.14998	116.85370	14.50491	0.0992293	0.22883176	2.6472310	20	—	—
215259 2001 ON	15.9	X	41.54037	254.02269	129.66568	10.37691	0.2573065	0.22052800	2.7132734	20	—	—
215260 2001 OH_{2}	16.0	X	146.90932	134.57044	178.96815	13.23693	0.2172847	0.23062020	2.6335272	20	—	—
215261 2001 OT_{14}	15.9	X	139.36562	188.44924	143.62503	14.97888	0.2578053	0.22988812	2.6391153	20	1 4.1	20.2
215262 2001 OD_{16}	15.9	X	1.70779	334.78282	54.36051	10.41238	0.1994968	0.21412766	2.7670746	20	12 26.8	19.2
215263 2001 OW_{23}	15.6	X	56.23077	88.15958	293.88925	21.34692	0.3210272	0.27406655	2.3472825	20	—	—
215264 2001 OT_{33}	16.0	X	138.50827	229.50897	108.02008	14.63529	0.1775989	0.23185266	2.6241863	20	—	—
215265 2001 OB_{55}	15.8	X	34.85950	294.95644	96.48461	13.96666	0.2070737	0.22335093	2.6903630	20	—	—
215266 2001 OK_{63}	16.2	X	129.07539	197.40202	147.83856	14.51704	0.2614814	0.23098208	2.6307759	20	1 9.9	20.4
215267 2001 OA_{67}	16.3	X	74.24563	284.80176	44.26673	8.51160	0.1866219	0.22085488	2.7105955	20	—	—
215268 2001 ON_{84}	16.3	X	107.06759	100.87988	240.65615	3.54458	0.1747339	0.22808040	2.6530417	20	—	—
215269 2001 OC_{107}	15.8	X	21.75430	77.78301	304.33648	8.07887	0.1697725	0.21617439	2.7495812	20	—	—
215270 2001 OV_{110}	15.1	X	86.63922	245.43275	133.04372	10.11531	0.0856783	0.17465943	3.1696261	20	—	—
215271 2001 OR_{113}	15.7	X	180.94169	35.35953	246.51890	14.69030	0.1674242	0.23129974	2.6283667	20	—	—
215272 2001 PK_{17}	16.0	X	90.32028	259.97332	102.27637	9.14016	0.0909198	0.22758843	2.6568636	20	—	—
215273 2001 PO_{34}	16.2	X	247.38239	108.38537	201.63943	10.85115	0.2795546	0.24364259	2.5388317	20	2 23.2	20.7
215274 2001 PH_{38}	15.5	X	150.06504	257.30414	87.62306	13.02413	0.2661500	0.23302616	2.6153688	20	1 30.6	20.0
215275 2001 PU_{65}	15.8	X	340.11240	319.25806	46.25015	6.19380	0.1008183	0.21046732	2.7990647	20	10 9.8	19.0
215276 2001 QT_{32}	16.8	X	160.19070	141.82831	200.74220	4.13398	0.3222410	0.23481044	2.6021028	20	2 4.8	21.5
215277 2001 QL_{57}	16.4	X	82.29620	303.12528	53.20874	2.92144	0.2133932	0.22411589	2.6842376	20	—	—
215278 2001 QW_{82}	16.5	X	248.00053	138.54079	186.63560	19.65870	0.3540108	0.24425700	2.5345724	20	3 9.4	21.3
215279 2001 QN_{85}	15.8	X	149.06882	317.19173	36.74225	14.76835	0.1791505	0.23295083	2.6159326	20	2 6.1	20.1
215280 2001 QC_{86}	16.0	X	167.09480	168.82686	103.03684	13.13858	0.1293696	0.22679664	2.6630437	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
215281 2001 QF_{121}	16.3	X	162.17701	162.35085	129.18384	14.13777	0.1813873	0.23041787	2.6350687	20	—	—
215282 2001 QP_{167}	15.7	X	44.32236	270.41129	131.22298	15.47507	0.1328075	0.22473257	2.6793248	20	—	—
215283 2001 QJ_{201}	16.0	X	63.65979	146.99718	188.98399	9.36193	0.1345305	0.21804443	2.7338377	20	12 30.7	20.2
215284 2001 QB_{206}	16.9	X	180.47562	132.18453	159.50183	4.28511	0.2555770	0.23232642	2.6206176	20	—	—
215285 2001 QX_{243}	15.8	X	118.92232	139.26158	184.29178	11.46019	0.1920885	0.22405544	2.6847204	20	—	—
215286 2001 QV_{262}	16.2	X	56.39278	194.04882	170.28314	5.85244	0.0704479	0.22004653	2.7172298	20	—	—
215287 2001 QW_{287}	15.7	X	36.93265	154.47509	212.10773	4.82172	0.0992784	0.21789481	2.7350890	20	—	—
215288 2001 RE_{3}	15.7	X	121.15204	128.69266	199.13642	13.04629	0.1069073	0.22646616	2.6656340	20	—	—
215289 2001 RF_{85}	16.6	X	35.76367	178.07578	206.98250	2.25718	0.1797095	0.21884786	2.7271426	20	—	—
215290 2001 RA_{107}	15.8	X	36.80109	209.35523	164.93267	15.82221	0.1665057	0.21785130	2.7354532	20	—	—
215291 2001 RM_{109}	16.5	X	85.74638	157.78374	170.40506	6.08516	0.1027814	0.22085786	2.7105711	20	—	—
215292 2001 RD_{120}	16.0	X	124.09606	160.96612	158.26390	13.36663	0.1873888	0.22543623	2.6737466	20	—	—
215293 2001 RN_{120}	16.6	X	48.60688	259.12324	64.57537	2.24972	0.1192283	0.21462769	2.7627752	20	11 26.6	20.5
215294 2001 RO_{123}	16.9	X	279.25679	281.24026	0.39639	6.34745	0.1799009	0.29656337	2.2270213	20	2 25.3	19.9
215295 2001 RR_{145}	16.5	X	339.86536	187.74344	208.02319	5.39482	0.1398245	0.21329797	2.7742456	20	11 20.9	19.4
215296 2001 SY_{25}	16.5	X	19.78205	196.35465	167.68955	3.90391	0.1089490	0.21364734	2.7712204	20	12 8.7	20.0
215297 2001 SG_{80}	15.9	X	105.08243	4.77822	322.43262	11.19249	0.0544401	0.22476359	2.6790783	20	—	—
215298 2001 SC_{83}	15.6	X	257.16653	173.96097	183.89800	10.97739	0.1401484	0.19743320	2.9209397	20	5 20.6	20.1
215299 2001 SC_{112}	16.0	X	14.59251	155.26848	216.84933	4.47386	0.1645877	0.21073509	2.7966931	20	12 18.4	19.4
215300 2001 SM_{115}	17.1	X	218.84128	347.03096	23.51858	4.49988	0.2015192	0.29393701	2.2402674	20	4 18.2	20.7
215301 2001 SA_{134}	15.9	X	25.87594	156.72195	208.34204	5.29038	0.0523507	0.21497016	2.7598402	20	12 10.3	19.5
215302 2001 SN_{135}	16.1	X	43.05220	151.48844	184.98635	3.77753	0.1046580	0.21419367	2.7665060	20	12 4.0	19.9
215303 2001 SQ_{141}	16.2	X	66.73530	42.54783	298.74514	2.75926	0.0946574	0.21866999	2.7286213	20	—	—
215304 2001 SG_{150}	15.9	X	48.79293	154.05986	207.88415	7.34110	0.2519601	0.21744060	2.7388966	20	—	—
215305 2001 SD_{163}	16.1	X	43.78267	163.60581	192.41468	4.79330	0.1582217	0.21534905	2.7566020	20	—	—
215306 2001 SW_{176}	15.8	X	54.41709	147.49230	173.06544	12.93629	0.1584350	0.21220761	2.7837405	20	12 5.9	20.0
215307 2001 SS_{178}	16.5	X	37.07675	296.13378	96.32060	5.66798	0.2352682	0.26975031	2.3722552	20	—	—
215308 2001 ST_{185}	16.1	X	120.26265	216.37559	90.61442	4.50396	0.0916391	0.22342171	2.6897947	20	—	—
215309 2001 SB_{189}	16.6	X	153.81430	247.08335	55.74773	4.55178	0.1981347	0.22857025	2.6492499	20	—	—
215310 2001 SW_{207}	16.8	X	84.50327	314.42578	20.61700	2.69131	0.0808424	0.22010931	2.7167131	20	—	—
215311 2001 SC_{233}	16.1	X	68.85349	137.38847	178.09292	6.41331	0.0639269	0.21292165	2.7775134	20	12 3.6	20.1
215312 2001 SF_{248}	17.3	X	135.22655	131.08957	184.74267	7.04004	0.1386434	0.27626837	2.3347942	20	—	—
215313 2001 SR_{306}	16.0	X	237.28286	359.38347	351.92915	9.97050	0.0734707	0.19083503	2.9878857	20	4 22.1	20.5
215314 2001 SA_{319}	16.2	X	349.78541	296.52128	81.96327	2.89831	0.0990181	0.21093784	2.7949007	20	11 10.8	19.4
215315 2001 SC_{319}	16.7	X	20.12870	253.46796	95.95259	0.26075	0.0814220	0.21234225	2.7825636	20	11 15.8	20.3
215316 2001 SQ_{341}	16.4	X	98.32834	277.81404	90.03485	6.73479	0.1449039	0.27967209	2.3158120	20	—	—
215317 2001 TV_{58}	16.5	X	127.78865	103.95621	220.37552	3.56808	0.2347917	0.22474733	2.6792075	20	—	—
215318 2001 TQ_{93}	15.5	X	234.82131	295.43347	14.88132	22.18343	0.0157179	0.23564039	2.5959892	20	3 12.2	19.2
215319 2001 TA_{119}	12.4	X	281.47511	58.76127	240.00301	27.75904	0.0718084	0.08393986	5.1660337	20	4 15.3	19.4
215320 2001 TS_{136}	15.6	X	32.59306	259.28960	115.42081	10.46837	0.1702868	0.21693643	2.7431384	20	—	—
215321 2001 TW_{138}	16.5	X	194.36245	269.75555	21.21874	16.19424	0.3193024	0.23451825	2.6042637	20	1 1.6	21.6
215322 2001 TT_{161}	16.5	X	216.39740	45.83486	219.94723	5.08741	0.1482483	0.28292050	2.2980516	20	—	—
215323 2001 TW_{172}	16.2	X	41.86709	179.19146	178.90671	6.50019	0.1204339	0.21524333	2.7575046	20	12 30.9	20.1
215324 2001 TP_{198}	16.1	X	331.39428	293.10113	97.76134	4.78599	0.1001717	0.21009073	2.8024086	20	10 29.7	19.3
215325 2001 TG_{204}	15.9	X	296.17748	353.76836	41.05999	9.76914	0.0813361	0.20518109	2.8469368	20	9 11.9	19.6
215326 2001 UV_{26}	16.1	X	18.23574	150.18335	205.51326	9.18527	0.1526514	0.20913840	2.8109095	20	12 1.2	19.6
215327 2001 UW_{38}	15.8	X	80.97167	128.76198	199.49177	13.44082	0.1323131	0.21693715	2.7431324	20	—	—
215328 2001 UN_{47}	15.4	X	96.42064	43.75555	52.62130	15.08165	0.1978996	0.17864490	3.1223073	20	4 20.8	20.0
215329 2001 UT_{48}	16.1	X	38.14757	302.57282	64.22051	8.03154	0.2680712	0.21426703	2.7658746	20	—	—
215330 2001 UD_{61}	16.3	X	249.43336	177.35148	211.78045	5.55397	0.0929915	0.19589312	2.9362290	20	6 24.6	20.6
215331 2001 UW_{61}	13.1	X	289.38844	71.44839	226.95976	4.05693	0.0886895	0.08388303	5.1683667	20	4 24.4	19.8
215332 2001 UA_{116}	15.6	X	330.31599	268.69965	87.07434	3.22071	0.0800641	0.20140626	2.8823988	20	9 8.4	19.0
215333 2001 UB_{148}	15.9	X	166.67482	34.46892	62.59381	7.07586	0.0693700	0.19102926	2.9858601	20	6 19.6	20.5
215334 2001 UN_{165}	16.1	X	332.29994	317.04789	71.23752	10.21481	0.1608856	0.20874472	2.8144425	20	10 29.7	19.1
215335 2001 UF_{173}	16.8	X	72.35579	220.08365	71.12188	3.46969	0.1760717	0.26301687	2.4125722	20	11 29.1	20.2
215336 2001 UN_{178}	16.5	X	30.40969	277.20500	81.41288	9.34409	0.1615001	0.21430051	2.7655865	20	12 23.3	20.2
215337 2001 UT_{188}	16.0	X	78.20456	194.22882	83.74036	3.15730	0.0437044	0.20674615	2.8325511	20	10 25.5	20.0
215338 2001 UL_{200}	16.4	X	16.30727	135.13148	221.43205	5.52045	0.0223561	0.21022730	2.8011948	20	11 11.9	20.1
215339 2001 UN_{203}	16.3	X	120.71416	176.20438	223.46584	4.78716	0.0472128	0.23074678	2.6325641	20	2 7.7	19.9
215340 2001 UX_{210}	13.0	X	298.19789	84.09221	218.09850	17.53673	0.0624698	0.08501321	5.1224583	20	5 13.3	19.7
215341 2001 UW_{224}	15.6	X	81.65168	75.91630	72.51419	17.09303	0.1793503	0.18166436	3.0876132	20	6 1.3	19.8
215342 2001 US_{225}	16.3	X	42.34155	242.53694	89.51727	5.47674	0.0750062	0.21209235	2.7847489	20	11 23.1	20.0
215343 2001 VK_{7}	16.1	X	331.46459	324.09096	47.52210	2.80138	0.0965185	0.20400465	2.8578713	20	10 1.3	19.4
215344 2001 VC_{22}	15.6	X	45.34882	296.26723	46.98300	13.08099	0.2319118	0.21205347	2.7850893	20	12 31.2	19.8
215345 2001 VX_{90}	15.2	X	255.82615	328.56524	88.20663	14.02165	0.1936992	0.19679990	2.9272027	20	7 26.2	19.6
215346 2001 VJ_{111}	16.0	X	260.37336	328.67870	51.59445	11.24775	0.1110772	0.19253873	2.9702339	20	6 23.7	20.3
215347 2001 VO_{121}	16.3	X	27.73095	285.59860	75.93171	9.99306	0.2398473	0.21198042	2.7857291	20	—	—
215348 2001 VW_{122}	14.8	X	115.26451	24.28229	56.07177	28.13619	0.1416422	0.17531121	3.1617650	20	4 21.9	19.8
215349 2001 VA_{128}	13.4	X	266.01005	186.08649	137.78091	9.21141	0.1181844	0.08416546	5.1567980	20	4 26.9	20.4
215350 2001 WJ_{31}	15.9	X	98.23860	103.96660	204.49899	7.33289	0.2048829	0.21474346	2.7617821	20	—	—
215351 2001 WQ_{65}	16.3	X	131.14795	80.46104	208.81094	8.46537	0.1943087	0.21898920	2.7259691	20	—	—
215352 2001 XZ_{87}	16.7	X	291.27028	2.27952	92.45798	3.63634	0.0893368	0.30898598	2.1669233	20	12 18.9	18.3
215353 2001 XD_{94}	15.7	X	327.60236	281.81944	53.50142	12.82339	0.0809616	0.19650569	2.9301237	20	8 9.9	19.6
215354 2001 XM_{142}	15.6	X	34.03908	188.04768	84.46868	10.11825	0.0616163	0.19470475	2.9481643	20	8 25.3	19.6
215355 2001 XY_{146}	15.6	X	145.78042	48.90851	80.22931	10.93082	0.0481902	0.18749547	3.0232603	20	7 6.1	20.0
215356 2001 XJ_{147}	16.1	X	147.04653	353.11712	98.84570	3.35092	0.0681294	0.18293810	3.0732645	20	5 23.1	20.6
215357 2001 XZ_{158}	15.5	X	93.95047	30.03148	105.26902	13.10964	0.1327246	0.17882547	3.1202050	20	5 26.8	20.1
215358 2001 XR_{169}	15.4	X	237.02089	276.13907	107.21592	11.55250	0.1867661	0.18786632	3.0192803	20	5 27.2	20.3
215359 2001 XX_{169}	15.3	X	12.15387	84.02518	97.05991	10.52628	0.0357313	0.17424325	3.1746711	20	3 26.9	19.7
215360 2001 XJ_{171}	15.7	X	84.43778	25.48534	108.91893	9.19848	0.1327628	0.17776989	3.1325445	20	5 14.0	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
215361 2001 XX_{193}	15.6	X	78.61223	18.71835	110.33907	6.41126	0.0993672	0.17380643	3.1799881	20	4 24.9	20.0
215362 2001 XL_{195}	15.4	X	187.64532	121.94771	291.31861	21.40399	0.0370310	0.23329967	2.6133243	20	5 15.0	19.5
215363 2001 XH_{212}	17.0	X	63.79739	243.86954	159.77533	3.75693	0.1172493	0.27184583	2.3600485	20	—	—
215364 2001 XW_{236}	16.2	X	88.88245	101.46881	23.77970	1.18198	0.1242759	0.17829445	3.1263973	20	5 3.6	20.5
215365 2001 XY_{249}	15.3	X	47.69284	70.10674	94.67080	11.09094	0.1241455	0.17652203	3.1472901	20	5 1.8	19.4
215366 2001 XH_{256}	15.9	X	127.51623	263.86634	77.53074	17.61108	0.2665951	0.22635872	2.6664774	20	1 5.1	20.0
215367 2001 XM_{256}	15.9	X	41.45776	220.42721	126.46217	15.13693	0.2053883	0.21093841	2.7948957	20	12 28.2	19.9
215368 2001 YR_{34}	16.8	X	15.01082	286.46969	67.47779	3.29283	0.2049364	0.26014659	2.4302855	20	12 15.7	19.7
215369 2001 YE_{35}	15.9	X	182.26749	91.64982	347.06129	1.66411	0.0771397	0.18680444	3.0307114	20	6 13.6	20.4
215370 2001 YU_{64}	15.1	X	283.75628	305.20035	81.87461	11.98179	0.0538033	0.19267434	2.9688400	20	8 15.7	19.3
215371 2001 YD_{102}	16.3	X	192.79301	286.34662	141.98941	1.99354	0.1830891	0.18650783	3.0339238	20	6 9.4	21.4
215372 2002 AL_{39}	17.2	X	194.36649	253.11094	262.11841	4.81140	0.0814853	0.30179372	2.2012156	20	10 15.4	20.1
215373 2002 AP_{43}	15.3	X	131.49786	208.82019	116.01982	27.83968	0.1871507	0.21437318	2.7649615	20	—	—
215374 2002 AV_{64}	16.3	X	142.43146	100.48945	137.74569	17.61299	0.0943428	0.30362541	2.1923538	20	12 10.3	19.7
215375 2002 AV_{73}	15.6	X	134.56941	311.07899	98.86705	2.60331	0.1665400	0.17474544	3.1685859	20	3 29.3	20.6
215376 2002 AO_{94}	16.1	X	76.70709	51.17475	80.07767	2.77092	0.0900071	0.17443794	3.1723085	20	4 21.9	20.3
215377 2002 AZ_{106}	14.8	X	156.72323	13.41121	54.24049	2.01748	0.2304545	0.12542873	3.9524953	20	5 11.5	21.1
215378 2002 AS_{115}	15.4	X	138.05265	329.99130	105.08871	9.35115	0.0758337	0.17479876	3.1679415	20	4 26.6	20.2
215379 2002 AP_{142}	17.6	X	12.66652	223.84190	182.37303	1.12130	0.0921179	0.31524971	2.1381242	20	—	—
215380 2002 CZ_{7}	15.3	X	88.12510	356.94495	140.51135	16.09651	0.1388947	0.17491926	3.1664865	20	5 24.9	20.1
215381 2002 CJ_{22}	16.7	X	322.74886	56.89343	139.07542	2.40281	0.1456143	0.26956321	2.3733528	20	1 2.9	19.4
215382 2002 CE_{28}	16.7	X	287.39787	41.19726	15.70703	5.47158	0.1925771	0.30410870	2.1900304	20	9 28.6	18.0
215383 2002 CF_{37}	16.7	X	108.51043	105.06602	126.59183	6.49502	0.1157437	0.29671341	2.2262705	20	10 24.8	19.9
215384 2002 CT_{47}	15.4	X	107.35263	289.27624	161.99513	12.30422	0.0786490	0.17202743	3.2018740	20	4 10.8	20.1
215385 2002 CN_{57}	17.5	X	167.62930	6.38485	158.66453	3.47627	0.1128625	0.29591232	2.2302867	20	9 26.9	20.7
215386 2002 CR_{65}	17.2	X	196.09648	92.86647	65.48866	7.61119	0.0889517	0.30011230	2.2094297	20	10 25.4	20.1
215387 2002 CC_{67}	15.7	X	101.19143	67.95734	126.52516	12.44781	0.1372030	0.18461734	3.0546003	20	8 16.7	20.3
215388 2002 CG_{81}	15.3	X	355.92809	120.98767	148.79716	10.96642	0.0335154	0.17850307	3.1239609	20	6 21.1	19.6
215389 2002 CG_{132}	16.1	X	352.37947	266.19593	290.57842	3.65594	0.0463505	0.21993350	2.7181606	20	3 7.0	19.6
215390 2002 CE_{137}	15.4	X	187.96589	263.87217	152.54984	10.23416	0.3214613	0.18307472	3.0717353	20	5 22.9	21.2
215391 2002 CA_{144}	16.4	X	38.27263	110.70492	320.39297	3.57422	0.1837249	0.26626358	2.3929201	20	—	—
215392 2002 CF_{144}	16.8	X	310.07401	247.92340	183.58830	3.32488	0.0900094	0.30545850	2.1835740	20	12 16.7	18.8
215393 2002 CH_{149}	17.7	X	224.16526	40.37428	57.31498	1.32258	0.1110419	0.29740156	2.2228350	20	8 31.7	20.3
215394 2002 CH_{199}	15.3	X	359.48263	157.62139	142.15652	11.00610	0.1113431	0.18378474	3.0638189	20	8 6.8	19.0
215395 2002 CL_{256}	15.0	X	279.04568	339.61932	347.29849	10.15778	0.0370595	0.17844054	3.1246906	20	5 17.5	19.6
215396 2002 CT_{258}	17.1	X	152.85659	31.98840	170.74565	5.41066	0.0885874	0.30130007	2.2036193	20	11 2.9	20.1
215397 2002 CT_{292}	15.3	X	239.54942	221.43850	153.28368	14.69725	0.1704644	0.17987484	3.1080579	20	5 21.8	20.4
215398 2002 DH_{4}	17.4	X	165.86822	114.88142	5.11838	25.35480	0.1685573	0.28995001	2.2607574	20	8 5.3	21.5
215399 2002 DT_{17}	17.5	X	116.89697	240.08255	0.23036	0.60521	0.1332343	0.29757409	2.2219757	20	11 11.5	20.7
215400 2002 EJ_{17}	16.3	X	329.92640	192.38649	160.58193	5.62689	0.1241280	0.23935821	2.5690378	20	9 7.5	19.0
215401 2002 EW_{22}	16.6	X	330.61933	314.98398	227.23457	4.78319	0.1555143	0.26584524	2.3954298	20	—	—
215402 2002 EO_{43}	17.4	X	53.81283	46.87752	201.43057	3.09952	0.2117233	0.28635639	2.2796323	20	9 20.6	20.1
215403 2002 EE_{53}	16.8	X	217.46135	318.92928	173.92133	7.54772	0.1052968	0.29972287	2.2113431	20	10 13.9	19.5
215404 2002 EK_{79}	16.8	X	65.65730	17.17364	258.79130	4.36918	0.0364779	0.29520381	2.2338538	20	10 19.2	19.4
215405 2002 EY_{108}	17.0	X	76.86489	8.64711	249.75821	6.07857	0.1773246	0.29216496	2.2493168	20	10 26.3	20.3
215406 2002 EJ_{111}	16.6	X	167.53793	103.66540	53.60811	7.08221	0.0967536	0.29265239	2.2468185	20	9 19.7	19.8
215407 2002 EK_{115}	13.0	X	202.92291	95.71730	56.63125	3.69305	0.0572532	0.08119382	5.2818662	20	9 25.8	20.2
215408 2002 ER_{129}	17.3	X	229.11919	272.12902	175.48534	5.91055	0.1641694	0.29413988	2.2392372	20	8 13.9	20.3
215409 2002 EJ_{155}	17.1	X	158.47361	104.78293	41.83627	6.78786	0.0561743	0.29121276	2.2542173	20	8 25.6	20.1
215410 2002 GN_{2}	17.7	X	73.55659	103.38522	25.42867	22.39206	0.0688255	0.38176507	1.8819378	20	3 30.4	19.2
215411 2002 GB_{23}	15.9	X	26.09800	323.43452	216.86776	8.57248	0.0654996	0.21897837	2.7260589	20	4 4.5	19.2
215412 2002 GO_{45}	15.2	X	75.93031	129.84803	32.74971	12.95182	0.2110048	0.17073614	3.2179978	20	6 15.1	19.9
215413 2002 GP_{51}	16.1	X	37.73657	228.17750	32.57743	5.41820	0.0634966	0.23128600	2.6284708	20	8 17.6	19.4
215414 2002 GL_{86}	16.8	X	164.56843	61.21374	75.36640	4.83761	0.0917152	0.28740726	2.2740721	20	8 16.5	20.0
215415 2002 GX_{94}	17.2	X	129.26644	344.19157	203.06623	4.60828	0.0918054	0.28941158	2.2635605	20	9 11.4	20.3
215416 2002 GN_{100}	16.4	X	351.60528	92.04081	217.74375	5.19735	0.1114668	0.28714703	2.2754458	20	8 19.3	18.4
215417 2002 GU_{103}	17.0	X	90.32511	72.60604	135.27914	8.77522	0.0799472	0.28530907	2.2852076	20	8 24.2	19.8
215418 2002 GG_{117}	16.8	X	122.30921	62.81560	71.94170	6.26823	0.1004938	0.28100463	2.3084851	20	6 23.0	19.8
215419 2002 GM_{126}	17.3	X	315.26635	270.17121	5.10043	5.69191	0.1091027	0.27575736	2.3376777	20	4 15.6	19.8
215420 2002 GN_{149}	17.0	X	28.77212	304.68073	357.53229	2.81388	0.1517140	0.28915492	2.2648998	20	10 22.7	19.4
215421 2002 GO_{155}	16.9	X	216.23398	48.51653	71.99553	5.34403	0.0663392	0.29435955	2.2381231	20	10 1.1	19.6
215422 2002 GN_{175}	16.6	X	69.21869	251.50005	48.23578	7.89742	0.2394950	0.29395303	2.2401860	20	12 17.1	20.1
215423 Winnecke	17.1	X	17.41754	108.03021	207.95234	3.49644	0.1353690	0.28816919	2.2700618	20	10 22.8	19.3
215424 2002 JE_{18}	17.0	X	50.42949	40.92797	233.39696	4.90768	0.0382234	0.28765026	2.2727912	20	9 23.7	19.7
215425 2002 JF_{31}	16.9	X	31.13593	167.01724	66.01653	6.95529	0.0756912	0.27773394	2.3265733	20	6 30.1	19.3
215426 2002 JF_{45}	16.7	X	35.21469	45.11657	232.36177	6.89676	0.1147847	0.28545471	2.2844303	20	9 16.9	19.4
215427 2002 JF_{46}	16.7	X	27.16475	243.91147	34.76115	7.48447	0.1001493	0.28461773	2.2889066	20	9 10.4	19.2
215428 2002 JB_{61}	16.9	X	74.02695	257.37502	292.04179	2.39782	0.1449107	0.27930941	2.3178162	20	7 14.8	19.6
215429 2002 JZ_{74}	16.8	X	101.42895	277.70233	237.22302	10.40063	0.1273207	0.27901216	2.3194622	20	6 27.8	20.0
215430 2002 JJ_{84}	17.4	X	87.51562	160.58899	47.31794	3.33200	0.1015445	0.28417997	2.2912566	20	8 24.1	20.3
215431 2002 JN_{92}	15.7	X	254.70809	343.56156	244.22553	8.90539	0.0909716	0.20164568	2.8801168	20	—	—
215432 2002 JL_{129}	17.1	X	16.23346	90.82513	195.36045	5.14894	0.1728804	0.28164321	2.3049943	20	9 8.4	19.1
215433 2002 JA_{140}	16.6	X	352.41842	46.24177	253.20156	7.31696	0.1381979	0.28034871	2.3120843	20	8 3.6	18.7
215434 2002 KD_{10}	16.6	X	135.37566	96.50711	62.25317	8.41004	0.0481954	0.28392514	2.2926274	20	8 12.1	19.7
215435 2002 LW_{8}	17.2	X	358.68459	109.33743	201.00674	5.24262	0.2399686	0.27946771	2.3169409	20	9 20.9	18.6
215436 2002 LP_{11}	16.6	X	330.88654	198.49964	126.19479	6.50555	0.2506983	0.27605979	2.3359701	20	7 22.2	17.5
215437 2002 LC_{16}	16.9	X	329.33654	241.96319	63.76893	7.26581	0.2254987	0.27468943	2.3437327	20	6 14.4	18.4
215438 2002 LL_{25}	16.0	X	343.92167	51.36108	106.21639	11.66940	0.1683094	0.26293029	2.4131018	20	—	—
215439 2002 LT_{27}	16.9	X	25.25824	117.44062	170.56419	4.70987	0.1200631	0.28271722	2.2991530	20	9 20.6	19.1
215440 2002 LD_{47}	16.7	X	27.03037	139.48466	159.13420	8.31753	0.2135190	0.28330836	2.2959537	20	10 27.9	19.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
215441 2002 LK_{62}	17.3	X	348.14676	342.14067	297.62738	2.43471	0.1872783	0.27260834	2.3556456	20	6 22.6	18.7
215442 2002 MQ_{3}	18.5	X	346.57457	346.89727	109.07051	36.28620	0.2743242	1.12847725	0.9137082	20	—	—
215443 2002 NS_{34}	16.1	X	234.81843	105.85378	206.08407	5.80241	0.1232667	0.25793237	2.4441742	20	2 23.2	19.8
215444 2002 NU_{36}	17.1	X	273.19205	174.33051	175.19157	7.74419	0.1477692	0.26791804	2.3830587	20	5 27.1	20.3
215445 2002 ND_{40}	17.6	X	252.58916	231.91087	113.97803	3.65504	0.2158637	0.26363448	2.4088028	20	4 19.9	21.4
215446 2002 NV_{40}	17.4	X	330.10454	203.30104	99.42963	2.64636	0.1907101	0.27088514	2.3656252	20	6 16.5	19.2
215447 2002 NR_{45}	16.7	X	333.50500	125.10534	117.85242	7.70798	0.1605145	0.26592370	2.3949587	20	3 28.3	19.2
215448 2002 NL_{62}	17.6	X	271.01085	94.52942	216.61184	2.26689	0.1800101	0.26361386	2.4089284	20	3 26.6	21.0
215449 2002 OW_{8}	16.4	X	228.22867	210.15252	164.51295	5.81179	0.1023628	0.26487769	2.4012597	20	5 12.5	19.8
215450 2002 OC_{16}	16.5	X	325.38287	62.57942	235.01427	7.39132	0.1025394	0.27061350	2.3672080	20	6 9.2	19.0
215451 2002 OH_{19}	15.3	X	315.84079	81.32227	256.85888	20.88657	0.2776025	0.27457773	2.3443683	20	6 25.6	17.1
215452 2002 OQ_{20}	17.0	X	260.87206	67.85912	220.36985	3.78939	0.1653035	0.25812773	2.4429408	20	2 16.9	20.8
215453 2002 PG_{11}	17.0	X	163.38451	166.51078	218.93909	2.60981	0.1191620	0.25543438	2.4600833	20	3 16.3	20.6
215454 2002 PQ_{66}	16.7	X	209.53680	217.89869	154.13058	4.82907	0.1334263	0.26161099	2.4212078	20	4 17.2	20.4
215455 2002 PY_{87}	17.2	X	230.11888	103.47554	225.33408	1.32913	0.2122501	0.25701421	2.4499918	20	3 7.9	21.3
215456 2002 PZ_{136}	16.8	X	155.13503	173.07227	223.84047	2.31607	0.0244294	0.25660392	2.4526026	20	3 13.5	19.9
215457 2002 PQ_{139}	16.3	X	233.11807	229.12712	123.37862	14.19645	0.2494749	0.26060290	2.4274477	20	4 13.1	20.7
215458 2002 PJ_{178}	15.9	X	40.70077	290.36924	161.57173	4.23863	0.0958634	0.24619082	2.5212824	20	—	—
215459 2002 QL_{5}	16.7	X	288.43559	80.62837	243.89626	3.93327	0.2493132	0.26548307	2.3976079	20	4 24.1	19.8
215460 2002 QO_{8}	16.8	X	314.11247	186.74030	98.90728	3.84747	0.2368842	0.26515292	2.3995977	20	4 11.4	19.3
215461 2002 QB_{30}	17.8	X	276.23925	248.58427	86.51880	2.85134	0.2332019	0.26530682	2.3986697	20	4 27.9	21.1
215462 2002 QF_{63}	17.3	X	17.91398	241.59938	164.11520	4.78197	0.1602016	0.28902977	2.2655536	20	—	—
215463 Jobse	17.1	X	320.55809	179.57784	80.35884	2.37651	0.1559890	0.26324411	2.4111836	20	3 29.0	19.7
215464 2002 QQ_{79}	16.4	X	330.31369	316.42301	298.48048	9.15481	0.1444546	0.26576724	2.3958985	20	4 1.6	19.1
215465 2002 QE_{90}	16.7	X	92.66253	299.20432	108.11159	6.74197	0.1671392	0.24420815	2.5349104	20	1 29.9	19.7
215466 2002 QD_{98}	17.9	X	316.97418	172.86179	114.03510	3.53421	0.1768233	0.26661520	2.3908158	20	4 28.4	20.4
215467 2002 QK_{100}	17.7	X	314.83365	230.06147	82.04379	5.80452	0.2504494	0.26906158	2.3763018	20	5 19.1	20.0
215468 2002 QD_{103}	17.3	X	241.89162	224.08840	122.11602	5.89479	0.2009061	0.26034082	2.4290765	20	4 12.7	21.1
215469 2002 RM_{10}	15.8	X	5.15475	304.77589	158.66795	22.18044	0.0499868	0.24155502	2.5534381	20	—	—
215470 2002 RO_{32}	16.9	X	282.97889	81.74181	237.78189	1.76195	0.1844015	0.26289988	2.4132878	20	4 20.7	20.2
215471 2002 RB_{34}	15.2	X	45.03042	20.33590	4.15245	10.53420	0.0676305	0.17829487	3.1263924	20	—	—
215472 2002 RX_{40}	16.7	X	315.44104	279.98816	12.42196	1.95113	0.1969192	0.26590660	2.3950613	20	4 28.2	19.2
215473 2002 RZ_{50}	16.1	X	110.81363	323.02294	22.20763	7.15102	0.2135345	0.29412013	2.2393375	20	—	—
215474 2002 RD_{66}	16.8	X	295.88803	287.16682	327.16335	17.31261	0.0661222	0.36625233	1.9347096	20	2 13.8	18.5
215475 2002 RD_{122}	16.7	X	114.35961	283.09348	86.63356	8.38373	0.1567648	0.24199783	2.5503223	20	1 8.7	20.0
215476 2002 RP_{134}	17.1	X	298.81641	255.43558	61.61429	6.90247	0.3468464	0.26600824	2.3944512	20	4 15.5	20.2
215477 2002 RK_{163}	17.2	X	316.16009	106.16219	162.59558	2.92469	0.1777997	0.26193119	2.4192342	20	3 30.4	19.9
215478 2002 RC_{192}	16.7	X	204.90989	154.98812	7.70286	6.85438	0.0494476	0.28138143	2.3064237	20	11 8.6	19.6
215479 2002 RK_{216}	15.1	X	20.97672	316.39858	28.02719	18.89341	0.1150198	0.16903812	3.2395122	20	11 2.3	19.4
215480 2002 RR_{230}	16.9	X	131.87543	286.09218	65.07126	2.68503	0.1542368	0.24300113	2.5432976	20	1 5.8	20.3
215481 2002 RW_{279}	17.1	X	193.43188	66.24650	210.13747	3.31924	0.1937417	0.24403198	2.5361302	20	—	—
215482 2002 TU_{16}	16.4	X	2.63632	231.77678	210.61576	3.64108	0.0377310	0.23471266	2.6028254	20	—	—
215483 2002 TA_{33}	16.8	X	136.55710	316.60102	36.10727	2.61623	0.0802523	0.24259802	2.5461142	20	1 3.5	20.1
215484 2002 TS_{34}	17.5	X	197.56281	29.71425	14.35654	2.30998	0.1837539	0.25696265	2.4503195	20	5 13.4	21.4
215485 2002 TB_{37}	16.8	X	325.78755	348.78278	26.12985	5.39624	0.0818050	0.27250359	2.3562493	20	10 10.8	19.0
215486 2002 TH_{43}	16.4	X	145.18052	136.94789	234.19547	3.94586	0.1036553	0.24369652	2.5384571	20	2 6.7	20.1
215487 2002 TC_{52}	15.6	X	286.77916	211.33891	215.44477	13.17768	0.2009342	0.21432646	2.7653633	20	9 15.9	19.1
215488 2002 TV_{54}	16.3	X	82.82842	154.20598	230.82044	13.20044	0.1794562	0.23428561	2.6059874	20	—	—
215489 2002 TG_{57}	17.0	X	328.45829	261.21423	19.38079	3.84337	0.3212277	0.26497381	2.4006790	20	4 11.9	18.7
215490 2002 TY_{67}	16.2	X	47.46934	74.44763	336.61652	25.11911	0.1756475	0.23276590	2.6173179	20	—	—
215491 2002 TY_{116}	15.1	X	21.85616	81.00335	300.74838	9.04776	0.0905358	0.17175685	3.2052359	20	12 19.6	19.4
215492 2002 TE_{122}	16.1	X	278.04443	276.79776	225.63202	13.97443	0.1010231	0.22989623	2.6390532	20	—	—
215493 2002 TR_{143}	16.1	X	95.02213	284.11253	108.20892	5.93979	0.1310550	0.23993807	2.5648971	20	1 7.9	19.1
215494 2002 TH_{157}	15.7	X	297.54272	89.29507	72.53053	14.35847	0.0815432	0.23465259	2.6032696	20	—	—
215495 2002 TF_{161}	16.0	X	103.66558	237.47163	150.14504	15.35103	0.1434758	0.23963249	2.5670771	20	1 15.2	19.4
215496 2002 TT_{164}	16.3	X	94.10652	252.44222	126.68236	15.02458	0.0872229	0.23564921	2.5959245	20	—	—
215497 2002 TN_{214}	16.3	X	248.01215	232.48153	86.17103	5.50220	0.2128974	0.25598521	2.4565530	20	3 14.3	20.2
215498 2002 TK_{226}	15.7	X	343.62486	354.98602	56.08752	18.62800	0.2184567	0.22210922	2.7003807	20	12 28.9	18.6
215499 2002 TP_{230}	15.7	X	22.76675	218.00933	119.79639	15.71959	0.1350720	0.22469994	2.6795842	20	11 20.5	19.4
215500 2002 TN_{251}	15.4	X	37.31185	155.18278	232.50541	12.14176	0.1774452	0.22640490	2.6661147	20	—	—
215501 2002 TF_{257}	16.2	X	157.01245	287.68203	36.47463	13.40045	0.1724348	0.24004115	2.5641627	20	1 1.8	20.4
215502 2002 TJ_{300}	17.1	X	75.58725	34.03995	64.83237	6.27853	0.1719722	0.24478546	2.5309232	20	3 17.8	20.0
215503 2002 TE_{312}	15.8	X	246.50604	17.94617	176.66108	17.29672	0.1124234	0.23141292	2.6275096	20	—	—
215504 2002 TZ_{329}	16.8	X	220.79024	98.71055	120.00241	2.60066	0.0505535	0.23463431	2.6034048	20	—	—
215505 2002 TZ_{363}	16.8	X	286.63042	25.72151	118.78551	3.74240	0.0420775	0.23139565	2.6276403	20	—	—
215506 2002 TY_{371}	16.1	X	298.72162	5.59734	111.73549	12.92182	0.1316472	0.22376320	2.6870574	20	12 31.6	19.0
215507 2002 TJ_{382}	17.1	X	115.97020	286.83686	94.83873	8.51200	0.2020216	0.24109307	2.5566988	20	2 2.8	20.6
215508 2002 TK_{382}	15.8	X	336.10421	6.92088	59.46622	16.06160	0.1026417	0.22394381	2.6856124	20	12 25.0	19.1
215509 2002 TL_{382}	16.5	X	333.66040	225.78438	194.34757	2.55177	0.1411027	0.22297371	2.6933964	20	12 16.1	19.4
215510 2002 UN_{2}	14.7	X	65.58816	59.55267	337.89091	25.86929	0.1577730	0.17797105	3.1301836	20	—	—
215511 2002 UY_{3}	16.1	X	327.76182	23.80955	51.84556	13.31495	0.2100321	0.22354367	2.6888163	20	12 31.5	18.7
215512 2002 UF_{14}	15.8	X	5.54977	258.29056	93.49061	11.66162	0.2521041	0.27634519	2.3343615	20	12 11.9	18.2
215513 2002 UP_{19}	15.8	X	251.31516	28.76881	72.10745	13.82140	0.1504505	0.21333214	2.7739494	20	9 30.3	19.9
215514 2002 UC_{50}	16.0	X	112.52277	298.69396	93.40330	15.42940	0.1743656	0.23965219	2.5669364	20	2 10.0	19.6
215515 2002 UR_{53}	16.2	X	358.36076	224.98246	89.85380	6.59230	0.0542728	0.21358267	2.7717797	20	8 30.1	19.7
215516 2002 UQ_{64}	17.0	X	194.47265	60.89327	192.80011	12.64856	0.2157167	0.23917079	2.5703798	20	—	—
215517 2002 UZ_{74}	13.5	X	304.12126	91.56482	192.40329	4.34917	0.0156262	0.08515710	5.1166866	20	5 5.3	20.2
215518 2002 UY_{76}	16.5	X	262.79465	336.94638	146.14086	3.97490	0.0473989	0.22010574	2.7167425	20	11 22.8	20.1
215519 2002 VD_{15}	17.0	X	38.46076	96.27063	224.60367	20.54545	0.1027088	0.38585915	1.8686022	20	12 16.9	19.3
215520 2002 VG_{29}	16.2	X	44.81249	254.07100	219.40135	24.50732	0.2289975	0.23722480	2.5844174	20	2 4.0	19.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
215521 2002 VJ_{35}	16.2	X	110.04406	305.15007	65.91268	6.82186	0.1441251	0.23633369	2.5909098	20	1 4.0	19.5
215522 2002 VZ_{56}	16.1	X	250.76980	154.36074	226.13453	7.52600	0.0900604	0.25710107	2.4494399	20	6 16.9	19.4
215523 2002 VB_{59}	16.5	X	337.55285	39.16554	14.92229	1.93146	0.0537833	0.22209759	2.7004750	20	12 8.1	19.7
215524 2002 VZ_{71}	16.5	X	113.41330	262.15254	114.31421	5.20501	0.1643930	0.23896845	2.5718305	20	1 17.6	19.8
215525 2002 VU_{72}	17.0	X	87.29397	236.46553	143.72606	4.91707	0.1560979	0.23491481	2.6013320	20	—	—
215526 2002 VV_{83}	15.3	X	121.90371	145.49721	230.07776	12.88062	0.1955303	0.23755993	2.5819862	20	1 26.6	19.2
215527 2002 VT_{89}	15.8	X	281.14038	208.84617	232.41900	8.49361	0.1504479	0.21764007	2.7372228	20	10 6.7	19.3
215528 2002 VQ_{91}	16.7	X	237.48594	267.60310	77.14395	13.09498	0.3371766	0.25541307	2.4602202	20	4 3.2	21.4
215529 2002 VK_{101}	15.8	X	138.99412	288.51614	75.24960	13.35105	0.1433130	0.23907836	2.5710422	20	1 31.2	19.7
215530 2002 VE_{103}	12.5	X	189.38002	147.68533	237.89494	19.07900	0.0937536	0.08297024	5.2062036	20	4 18.3	19.9
215531 2002 VS_{105}	16.2	X	120.62798	359.59376	28.60054	9.15411	0.1083437	0.23954550	2.5676985	20	2 6.1	19.8
215532 2002 VW_{105}	15.5	X	138.47753	68.86852	264.75633	8.40736	0.0985768	0.23449422	2.6044416	20	—	—
215533 2002 VG_{111}	16.6	X	155.66928	128.63295	194.58416	2.47743	0.2424605	0.23910941	2.5708196	20	1 4.9	20.7
215534 2002 VV_{113}	16.3	X	348.61824	15.21195	60.60860	12.57311	0.0487693	0.22540256	2.6740128	20	—	—
215535 2002 VF_{128}	16.5	X	147.01314	291.97225	76.49325	11.28345	0.2647265	0.24265871	2.5456897	20	2 26.9	20.9
215536 2002 WQ_{3}	17.0	X	55.39459	223.88087	164.46073	2.19692	0.0849726	0.22932971	2.6433977	20	—	—
215537 2002 WQ_{6}	15.1	X	214.44527	354.02233	249.93109	22.01224	0.0625007	0.23173417	2.6250807	20	—	—
215538 2002 WU_{10}	15.6	X	101.93435	20.52261	205.43594	11.53226	0.0209811	0.20989597	2.8041419	20	9 12.1	19.6
215539 2002 WN_{12}	15.3	X	119.52832	273.05244	118.92349	17.14909	0.2429526	0.24030118	2.5623126	20	2 26.9	19.2
215540 2002 WL_{13}	15.9	X	279.77253	340.79693	93.34723	14.40892	0.1410319	0.21520067	2.7578690	20	10 6.9	19.6
215541 2002 WU_{16}	15.4	X	148.50521	84.20282	234.76016	14.05911	0.1366816	0.23292842	2.6161004	20	—	—
215542 2002 WT_{25}	13.1	X	256.72767	262.44139	70.53283	31.66872	0.0719398	0.08438044	5.1480356	20	5 8.9	20.2
215543 2002 XD	16.7	X	225.63905	337.09824	78.61174	25.57177	0.0834762	0.37197093	1.9148292	20	7 9.3	19.0
215544 2002 XH_{18}	16.8	X	33.93190	5.69561	84.94414	5.58372	0.1488780	0.23232788	2.6206066	20	—	—
215545 2002 XB_{25}	16.3	X	317.50326	176.27684	258.80379	3.05953	0.0868716	0.21869738	2.7283934	20	12 5.5	19.6
215546 2002 XF_{51}	16.0	X	192.16841	257.14471	80.60420	16.39213	0.2930500	0.24520081	2.5280643	20	2 26.5	20.9
215547 2002 XE_{56}	16.0	X	121.57772	256.58920	110.48084	14.72062	0.2332902	0.23722259	2.5844334	20	1 25.5	19.6
215548 2002 XA_{64}	16.4	X	135.54681	138.64922	218.86100	6.56407	0.2735286	0.23897664	2.5717717	20	1 29.2	20.6
215549 2002 XQ_{85}	15.8	X	94.34785	66.46234	29.07954	6.01482	0.1843020	0.24189593	2.5510384	20	4 8.5	19.1
215550 2002 XD_{104}	16.3	X	28.47124	307.64927	90.51048	6.14394	0.1493146	0.22610972	2.6684346	20	—	—
215551 2002 YR_{36}	13.3	X	208.47751	123.75144	233.85310	6.93950	0.0929023	0.08082115	5.2980906	20	4 5.8	20.7
215552 2003 AJ_{18}	15.8	X	317.63656	356.19314	62.59387	10.63330	0.3008126	0.21457784	2.7632030	20	11 6.8	17.7
215553 2003 AB_{42}	16.1	X	327.45080	328.26101	141.98077	12.92037	0.1044111	0.22020123	2.7159570	20	—	—
215554 2003 AX_{51}	16.1	X	13.06514	314.34426	95.17000	9.89345	0.2335731	0.22226418	2.6991254	20	—	—
215555 2003 AK_{63}	15.7	X	60.40422	59.70089	71.32184	1.93939	0.1243484	0.18175152	3.0866260	20	4 3.2	19.5
215556 2003 AD_{85}	15.3	X	57.67754	111.69311	65.57657	12.73252	0.1466193	0.18481148	3.0524607	20	5 31.6	19.0
215557 2003 BJ_{10}	15.5	X	28.11273	122.51036	334.28446	16.89477	0.3297675	0.17191186	3.2033089	20	1 7.8	18.3
215558 2003 BJ_{57}	15.9	X	175.07968	357.72129	127.50399	9.96504	0.1310761	0.19887339	2.9068208	20	8 3.7	20.5
215559 2003 BL_{76}	15.6	X	130.45231	68.22259	71.53341	11.70249	0.0566999	0.19118860	2.9842008	20	7 2.3	20.0
215560 2003 BM_{88}	15.6	X	43.64823	90.80332	128.36929	11.84398	0.0347052	0.18994760	2.9971847	20	6 21.8	19.7
215561 2003 CG_{18}	16.1	X	150.23695	351.73052	99.00734	2.36994	0.2300255	0.18976920	2.9990628	20	6 2.2	21.1
215562 2003 CN_{20}	15.8	X	61.59106	25.36809	123.14468	13.94746	0.1134700	0.18082305	3.0971829	20	5 1.3	20.1
215563 2003 DZ_{17}	15.7	X	98.16739	28.58419	126.88942	9.37249	0.0470630	0.18816691	3.0160640	20	6 12.9	20.0
215564 2003 DG_{24}	14.8	X	347.83519	212.97252	25.28237	15.69939	0.1184729	0.17862120	3.1225834	20	4 22.9	18.5
215565 2003 EO_{26}	15.4	X	334.62445	227.87170	347.42948	6.61397	0.1823517	0.17241969	3.1970160	20	2 27.3	19.3
215566 2003 EG_{40}	15.2	X	43.99734	113.01896	104.73998	15.54953	0.1134546	0.18482142	3.0523513	20	6 29.8	19.2
215567 2003 EF_{62}	15.5	X	25.83258	238.10369	44.94041	10.70668	0.0626734	0.18824345	3.0152464	20	8 28.4	19.6
215568 2003 FK_{25}	16.6	X	298.73587	330.43447	170.99552	8.89811	0.1395701	0.21559889	2.7544721	20	—	—
215569 2003 FM_{25}	15.8	X	72.09894	96.17198	144.49780	2.00756	0.0570161	0.19324079	2.9630354	20	8 30.3	19.7
215570 2003 FK_{48}	15.6	X	320.29348	265.93324	6.77709	7.53797	0.2645498	0.17484072	3.1674346	20	4 3.9	19.3
215571 2003 FK_{49}	15.1	X	3.89736	151.52560	58.47001	17.20848	0.1144425	0.17534171	3.1613984	20	4 20.5	19.1
215572 2003 FE_{54}	15.5	X	71.57837	19.01577	117.96079	11.59704	0.1643913	0.17712015	3.1402006	20	5 6.9	19.9
215573 2003 FN_{61}	15.5	X	17.97973	77.02472	132.23462	6.00560	0.0787684	0.17860554	3.1227660	20	5 7.6	19.5
215574 2003 FF_{72}	15.3	X	328.87214	89.48818	146.83715	14.16082	0.2206309	0.17238158	3.1974872	20	3 11.9	19.2
215575 2003 FU_{74}	15.4	X	325.23297	203.35700	46.93175	17.28432	0.1274903	0.17373551	3.1808534	20	4 9.9	19.6
215576 2003 FK_{75}	15.4	X	101.27023	171.47110	302.35559	15.41978	0.1294208	0.18094471	3.0957945	20	4 29.0	20.2
215577 2003 FL_{81}	15.5	X	0.29212	133.01496	80.39937	8.75615	0.1237712	0.17543259	3.1603065	20	4 16.7	19.4
215578 2003 FH_{82}	15.0	X	61.51723	357.73307	157.89391	11.32580	0.0216965	0.17542979	3.1603401	20	4 25.9	19.5
215579 2003 FY_{88}	15.3	X	43.78666	18.34036	177.29879	10.34826	0.0242458	0.18088764	3.0964456	20	5 22.2	19.7
215580 2003 FP_{96}	15.2	X	49.64207	345.34664	204.81471	12.71803	0.0854569	0.18033358	3.1027848	20	5 29.3	19.4
215581 2003 FP_{127}	15.1	X	358.31239	74.56807	179.54181	12.19874	0.1031595	0.18193810	3.0845155	20	6 4.5	19.1
215582 2003 GS_{10}	15.1	X	43.12039	17.76806	122.82065	11.82935	0.1251133	0.17131383	3.2107594	20	3 25.2	19.2
215583 2003 GL_{29}	15.0	X	315.83422	37.40994	223.37450	14.30371	0.2268662	0.17311399	3.1884623	20	3 15.2	19.3
215584 2003 GF_{36}	14.7	X	11.45863	60.14137	132.76109	18.68937	0.1598808	0.17440833	3.1726676	20	4 12.5	18.7
215585 2003 GO_{39}	15.3	X	352.66449	124.78867	163.95053	6.40896	0.1383070	0.18514130	3.0488345	20	7 10.5	18.8
215586 2003 GB_{43}	15.1	X	11.08663	140.38740	78.84614	18.08450	0.2035959	0.17826837	3.1267022	20	5 15.9	18.4
215587 2003 GO_{44}	15.0	X	41.10828	86.50016	106.51403	14.81541	0.1304446	0.17967934	3.1103120	20	5 28.5	19.0
215588 2003 HF_{2}	19.4	X	293.96518	230.99944	189.92692	3.05527	0.6753956	0.83842148	1.1138528	20	—	—
215589 2003 JO_{7}	15.3	X	336.72855	26.48550	201.40715	24.65816	0.1840901	0.17094508	3.2153752	20	3 14.1	19.3
215590 2003 KY_{10}	15.7	X	243.86351	164.79628	91.80179	8.78498	0.1820986	0.21448526	2.7639981	20	—	—
215591 2003 OH	17.0	X	129.99972	288.07830	357.28372	2.74514	0.0831885	0.31152990	2.1551106	20	—	—
215592 Normarose	15.6	X	239.51245	58.80516	319.75756	8.43811	0.0848424	0.22285715	2.6943354	20	5 30.2	19.7
215593 2003 QG_{9}	15.6	X	135.25558	3.94371	315.82316	10.22666	0.0729801	0.19619653	2.9332011	20	—	—
215594 2003 QQ_{27}	17.1	X	24.65817	219.23128	135.68122	4.70797	0.1861888	0.29919035	2.2139662	20	—	—
215595 2003 QZ_{35}	16.6	X	324.02247	215.78339	162.72070	7.24958	0.1210117	0.29290310	2.2455362	20	10 21.0	18.5
215596 2003 QT_{41}	16.9	X	332.97654	164.50720	167.36029	5.28201	0.1880135	0.28768414	2.2726127	20	8 17.3	18.4
215597 2003 QZ_{76}	16.7	X	27.90030	86.25124	206.24599	5.16659	0.1317027	0.29140600	2.2532207	20	10 4.3	19.1
215598 2003 QE_{111}	16.7	X	322.63623	310.82595	40.92358	6.19407	0.1945157	0.28927419	2.2642772	20	8 31.4	18.2
215599 2003 RN_{1}	16.4	X	341.02820	187.20267	104.46371	9.84708	0.2155543	0.28621589	2.2803782	20	6 24.1	17.6
215600 2003 RM_{13}	17.1	X	236.73529	163.03655	229.19134	1.25436	0.1678957	0.27965110	2.3159279	20	6 6.8	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
215601 2003 RE_{14}	16.8	X	17.12065	148.28255	212.37953	2.48820	0.1652051	0.29870210	2.2163782	20	—	—
215602 2003 RO_{20}	17.5	X	26.27772	188.55719	163.59757	4.76281	0.2131605	0.29893288	2.2152373	20	—	—
215603 2003 SH_{13}	16.6	X	234.39905	278.15146	166.90554	6.64770	0.0861695	0.28789854	2.2714843	20	8 28.4	19.5
215604 2003 SY_{14}	17.2	X	273.39918	332.39138	27.23068	1.97743	0.1206828	0.28136095	2.3065357	20	6 13.8	19.9
215605 2003 SU_{29}	16.9	X	119.13943	216.83037	241.58564	1.49563	0.0994524	0.27175385	2.3605810	20	4 28.9	20.0
215606 2003 SF_{36}	16.6	X	15.80324	257.68490	41.06628	6.76989	0.1601196	0.28877757	2.2668724	20	10 1.1	18.7
215607 2003 SD_{38}	15.7	X	16.14439	73.00791	313.46782	16.11197	0.2640003	0.18253515	3.0777857	20	—	—
215608 2003 SX_{60}	16.8	X	149.94749	334.20883	342.38561	6.31362	0.1173382	0.25547115	2.4598472	20	—	—
215609 2003 SL_{67}	17.5	X	54.01494	254.25648	76.74770	0.99349	0.2003986	0.30025568	2.2087263	20	—	—
215610 2003 SA_{83}	17.0	X	261.33798	221.25428	175.47000	3.22337	0.0798983	0.28365868	2.2940629	20	7 27.5	19.8
215611 2003 SN_{90}	16.9	X	300.42772	240.46623	145.13631	6.77839	0.2002792	0.28748122	2.2736820	20	8 30.2	18.3
215612 2003 SS_{96}	17.4	X	75.07508	163.96396	158.51638	2.62217	0.1827292	0.30270036	2.1968180	20	—	—
215613 2003 SW_{110}	16.5	X	318.92566	164.00058	205.36879	6.36071	0.1142417	0.28721563	2.2750835	20	9 19.6	18.4
215614 2003 SW_{121}	17.3	X	77.01444	77.77402	200.87688	7.53537	0.2066249	0.29973480	2.2112844	20	11 27.6	20.6
215615 2003 SH_{125}	16.8	X	7.26147	113.45862	217.22563	5.32067	0.1901223	0.29256928	2.2472440	20	11 7.4	18.6
215616 2003 SP_{125}	17.1	X	316.62559	258.41204	102.52334	2.44985	0.1646814	0.28756828	2.2732231	20	8 31.4	18.6
215617 2003 SW_{128}	17.3	X	12.56104	131.25961	213.93086	2.11467	0.1714494	0.29375587	2.2411883	20	12 4.3	19.7
215618 2003 SB_{165}	16.6	X	264.44351	249.81914	145.11917	4.78057	0.1590067	0.28187089	2.3037529	20	7 16.2	19.4
215619 2003 SQ_{168}	17.0	X	0.14538	259.42540	97.37837	5.98779	0.2077456	0.29507428	2.2345075	20	12 8.2	19.0
215620 2003 SN_{213}	17.2	X	306.91060	318.41165	39.72813	3.47219	0.2241123	0.28439606	2.2900959	20	7 24.3	18.9
215621 2003 SA_{214}	16.5	X	336.09719	287.46295	43.04427	8.01805	0.2049135	0.28504506	2.2866184	20	8 30.1	18.0
215622 2003 SJ_{223}	16.8	X	28.02824	119.41946	209.57858	7.25896	0.1715221	0.29257983	2.2471900	20	12 3.7	19.5
215623 2003 SL_{229}	16.1	X	254.80150	150.71527	181.53704	6.19246	0.0406386	0.21143713	2.7904991	20	4 26.7	20.0
215624 2003 SF_{235}	15.1	X	36.84788	257.02872	168.38539	10.85693	0.1118657	0.19133945	2.9826322	20	—	—
215625 2003 SX_{250}	17.1	X	109.70457	258.43868	183.14365	9.78879	0.2354173	0.26187374	2.4195880	20	4 15.1	20.5
215626 2003 SF_{258}	17.1	X	26.14837	99.89590	207.67057	4.71595	0.1483489	0.29119576	2.2543050	20	10 27.4	19.6
215627 2003 SV_{262}	17.4	X	278.93771	304.09913	56.40217	3.41100	0.2215913	0.28171946	2.3045784	20	6 6.1	20.2
215628 2003 SP_{271}	16.6	X	314.15735	293.95817	66.01543	6.53750	0.2354346	0.28625863	2.2801513	20	8 16.7	18.1
215629 2003 SA_{289}	16.7	X	124.32632	39.81218	62.51232	5.69229	0.1056937	0.27007666	2.3703438	20	5 12.4	19.7
215630 2003 SZ_{289}	15.0	X	139.25175	273.48869	37.86553	11.88615	0.0968676	0.19207445	2.9750183	20	—	—
215631 2003 SW_{308}	16.7	X	111.83286	316.92953	253.61053	5.60084	0.0617133	0.28992331	2.2608962	20	9 18.9	19.7
215632 2003 SV_{318}	15.9	X	122.59040	103.19921	21.85285	12.93022	0.0749431	0.21565991	2.7539525	20	6 3.6	20.0
215633 2003 ST_{321}	16.7	X	192.59755	277.86266	147.36021	6.09202	0.0957081	0.27437289	2.3455350	20	6 8.9	20.2
215634 2003 SO_{339}	16.9	X	67.14366	120.24606	103.16524	7.28699	0.0787090	0.28167264	2.3048338	20	8 14.9	19.6
215635 2003 TY_{4}	17.2	X	64.45880	58.31821	225.72008	6.23334	0.1766061	0.29423861	2.2387363	20	11 17.7	20.1
215636 2003 TP_{16}	16.4	X	248.49397	119.76950	254.00017	4.91496	0.0958268	0.27650677	2.3334520	20	6 3.9	19.3
215637 2003 TG_{41}	17.1	X	69.54297	283.80074	276.97805	3.64015	0.1361610	0.27850030	2.3223033	20	7 22.9	19.8
215638 2003 TW_{49}	14.8	X	354.73587	230.33151	114.69880	12.37764	0.0909638	0.17365630	3.1818206	20	10 2.3	19.0
215639 2003 TW_{58}	16.6	X	178.90061	3.34234	68.21293	8.07484	0.0787760	0.27287258	2.3541246	20	6 1.1	19.7
215640 2003 UP_{14}	16.9	X	6.32022	279.07553	37.81686	7.41602	0.1431170	0.28725966	2.2748510	20	10 8.0	18.9
215641 2003 UJ_{24}	17.1	X	68.93182	82.44084	233.45584	5.42667	0.1891220	0.29833248	2.2182085	20	—	—
215642 2003 UB_{26}	16.5	X	82.77594	60.09803	246.30325	7.46893	0.2300337	0.29902076	2.2148033	20	—	—
215643 2003 UJ_{27}	16.8	X	33.12676	229.00149	97.08574	6.85988	0.1987302	0.29458437	2.2369842	20	12 10.7	19.5
215644 2003 UR_{27}	17.2	X	276.86745	333.15173	61.32143	3.57775	0.1714889	0.28429781	2.2906235	20	8 3.6	19.6
215645 2003 UN_{42}	17.7	X	110.21531	286.68130	166.04633	1.56217	0.1219974	0.26560229	2.3968904	20	4 14.1	20.7
215646 2003 US_{63}	17.4	X	72.26339	211.18929	116.06498	5.40816	0.2233478	0.30234567	2.1985358	20	—	—
215647 2003 UN_{71}	17.1	X	125.04464	302.16522	187.40061	6.51344	0.0543225	0.27516220	2.3410474	20	6 14.3	20.2
215648 2003 UF_{78}	16.7	X	233.17315	115.91960	264.37203	4.66235	0.1609399	0.27432597	2.3458025	20	5 17.9	20.2
215649 2003 UT_{103}	16.6	X	135.46970	341.75749	90.11393	3.33545	0.2036258	0.26336335	2.4104557	20	4 25.1	20.2
215650 2003 UU_{107}	15.0	X	296.14246	172.22393	342.51343	13.44739	0.0808202	0.18644676	3.0345863	20	—	—
215651 2003 UT_{110}	16.9	X	178.99430	242.69839	169.01322	2.04722	0.1605549	0.26862416	2.3788807	20	5 7.1	20.6
215652 2003 UE_{116}	17.7	X	352.67645	251.70096	104.51136	3.37182	0.1865897	0.29165366	2.2519449	20	11 19.2	19.5
215653 2003 UM_{121}	17.1	X	342.00861	276.73960	15.81433	5.62326	0.1654405	0.28100576	2.3084789	20	7 1.9	18.8
215654 2003 UK_{141}	16.5	X	303.39190	235.78196	130.49639	8.21763	0.1025828	0.28618832	2.2805247	20	8 18.5	18.7
215655 2003 UJ_{156}	16.4	X	244.04709	189.01222	165.30642	4.49905	0.0874871	0.21445271	2.7642778	20	5 6.5	20.4
215656 2003 UD_{159}	16.9	X	228.88099	306.48221	53.26867	2.18240	0.2015984	0.27041580	2.3683616	20	4 15.1	20.6
215657 2003 UT_{162}	16.8	X	268.67558	324.48245	59.31362	7.59598	0.1195073	0.28021479	2.3128210	20	7 14.1	19.6
215658 2003 UK_{164}	17.2	X	234.97365	263.50451	133.39753	2.80109	0.1648583	0.27636904	2.3342272	20	6 11.7	20.4
215659 2003 UY_{164}	15.8	X	74.57993	77.20243	300.85215	1.91454	0.1480870	0.18915658	3.0055347	20	—	—
215660 2003 UO_{178}	15.2	X	8.55806	217.83119	218.67884	9.45973	0.0696720	0.18720157	3.0264237	20	—	—
215661 2003 UZ_{179}	17.2	X	278.41610	292.58363	66.18850	7.99077	0.1232743	0.27852204	2.3221824	20	6 19.4	20.0
215662 2003 UG_{188}	15.8	X	3.83979	354.30059	29.81409	11.49496	0.1592315	0.23598457	2.5934645	20	12 24.7	19.0
215663 2003 UX_{210}	16.5	X	0.89882	308.29685	241.21935	5.49600	0.0284584	0.26104752	2.4246906	20	3 4.6	19.5
215664 2003 UL_{214}	16.8	X	167.17060	40.88544	237.52468	4.57172	0.2547885	0.31025030	2.1610322	20	—	—
215665 2003 UJ_{228}	16.6	X	348.64323	296.78543	54.89630	7.72437	0.1583914	0.28972775	2.2619135	20	10 30.5	18.3
215666 2003 UO_{242}	17.7	X	31.12531	258.58512	66.81619	3.02797	0.2480227	0.29410614	2.2394085	20	12 13.6	20.6
215667 2003 UX_{261}	15.7	X	116.60023	346.04093	97.03570	24.22382	0.1131067	0.26370712	2.4083604	20	4 21.6	19.6
215668 2003 UG_{266}	17.1	X	358.37007	112.26174	218.06995	4.62998	0.2099460	0.28906774	2.2653552	20	10 22.4	18.8
215669 2003 UV_{274}	16.5	X	308.01169	272.20849	90.97010	8.95163	0.1907694	0.28296193	2.2978272	20	8 12.2	18.4
215670 2003 UO_{277}	17.0	X	166.17815	306.49982	104.40811	3.48307	0.1669658	0.26822144	2.3812613	20	4 25.0	20.7
215671 2003 UB_{279}	16.3	X	0.74873	33.39916	52.90791	13.27731	0.2231372	0.24154905	2.5534802	20	—	—
215672 2003 UU_{284}	16.1	X	50.39835	176.87767	197.02226	3.29401	0.1665296	0.18402687	3.0611308	20	—	—
215673 2003 UO_{379}	17.6	X	76.59636	152.25077	44.66370	4.74027	0.1505787	0.28014551	2.3132022	20	7 31.9	20.5
215674 2003 UJ_{381}	16.8	X	7.17827	120.23280	45.14352	7.27178	0.0457372	0.26256844	2.4153183	20	2 14.9	19.7
215675 2003 UF_{405}	17.3	X	30.47547	74.65400	57.26300	4.98656	0.1430289	0.25845186	2.4408978	20	2 2.9	19.5
215676 2003 VJ_{11}	16.8	X	217.78757	345.48113	60.60440	5.22765	0.1365337	0.27269184	2.3551647	20	6 7.5	20.3
215677 2003 WN	15.2	X	68.45546	275.92881	68.43902	10.00466	0.1722269	0.18119719	3.0929181	20	—	—
215678 2003 WR	17.0	X	326.21968	280.58465	63.76649	6.49957	0.1942010	0.28399595	2.2922463	20	8 26.5	18.6
215679 2003 WL_{59}	17.0	X	350.56261	271.55176	64.64832	7.23474	0.1792069	0.28651669	2.2787819	20	10 13.5	18.8
215680 2003 WS_{85}	17.4	X	228.44695	229.01372	172.71816	6.58734	0.1348046	0.27304688	2.3531227	20	6 14.3	20.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
215681 2003 WH_{147}	15.8	X	5.86791	19.88092	233.66887	23.20850	0.1746657	0.27114901	2.3640901	20	6 18.2	18.0
215682 2003 WD_{155}	16.3	X	158.83344	256.79079	147.25516	6.31749	0.1014575	0.26263908	2.4148852	20	4 5.9	19.8
215683 2003 WB_{156}	16.8	X	79.87375	26.28549	45.19698	6.50093	0.1127578	0.25348677	2.4726682	20	2 4.2	19.7
215684 2003 WR_{158}	17.2	X	218.22849	243.43719	124.21160	1.97310	0.1962265	0.26943522	2.3741044	20	4 16.3	21.0
215685 2003 WK_{185}	16.0	X	215.52113	52.05661	78.80622	12.24238	0.1058534	0.22172722	2.7034813	20	10 2.3	20.2
215686 2003 XG_{43}	16.4	X	269.22416	276.78670	236.08214	12.13890	0.2096241	0.23330603	2.6132767	20	12 20.9	19.2
215687 2003 YP_{12}	15.7	X	263.63731	112.95013	67.85487	8.32045	0.1091903	0.23425344	2.6062260	20	—	—
215688 2003 YC_{45}	15.1	X	308.98158	0.73829	142.08256	13.63611	0.2144158	0.17465817	3.1696413	20	—	—
215689 2003 YT_{51}	16.5	X	243.77875	275.86883	90.65238	7.05518	0.1528352	0.26782263	2.3836247	20	5 14.2	19.9
215690 2003 YM_{54}	16.5	X	221.32069	290.19754	88.58141	8.15005	0.1275410	0.26968460	2.3726406	20	5 8.9	20.1
215691 2003 YT_{56}	17.5	X	309.37614	239.58451	238.12515	3.50141	0.1387644	0.29530193	2.2333589	20	—	—
215692 2003 YK_{68}	16.4	X	17.78094	217.19202	240.94275	3.52454	0.1144514	0.24149973	2.5538278	20	—	—
215693 2003 YC_{69}	16.7	X	153.24232	316.26811	111.38136	6.97879	0.1173361	0.26481377	2.4016461	20	5 2.6	20.3
215694 2003 YD_{78}	17.0	X	305.88973	326.16472	88.03434	7.40324	0.0921843	0.28468871	2.2885262	20	11 8.4	19.2
215695 2003 YU_{84}	16.6	X	288.05087	112.48555	56.23203	5.10537	0.2069471	0.23907045	2.5710989	20	—	—
215696 2003 YX_{85}	16.5	X	345.41509	297.74512	170.26301	3.50228	0.2508348	0.23922211	2.5700121	20	—	—
215697 2003 YM_{102}	16.9	X	152.16696	270.59117	148.07402	2.55960	0.1819825	0.25995028	2.4315088	20	4 22.3	20.6
215698 2003 YE_{117}	16.8	X	58.77869	283.49630	89.76088	3.65241	0.0602559	0.29464509	2.2366769	20	—	—
215699 2003 YH_{117}	17.2	X	274.00154	40.40965	109.29643	8.62091	0.1388516	0.23042750	2.6349953	20	—	—
215700 2003 YE_{120}	16.1	X	226.87336	243.35161	342.41978	4.71951	0.1209477	0.23434667	2.6055347	20	—	—
215701 2003 YD_{121}	14.7	X	13.99214	67.90492	318.74374	15.44822	0.1102494	0.17014990	3.2253852	20	12 17.4	19.1
215702 2003 YJ_{122}	17.7	X	194.78535	139.13325	31.60476	2.45695	0.1582983	0.28144526	2.3060750	20	10 27.2	21.1
215703 2003 YK_{129}	15.5	X	287.37700	80.81779	88.71445	13.44699	0.1293548	0.23425937	2.6061820	20	—	—
215704 2004 AJ_{1}	15.9	X	32.53875	313.78851	124.72850	5.79148	0.1261618	0.18033594	3.1027577	20	—	—
215705 2004 AR_{7}	16.8	X	197.93322	337.65367	157.86932	5.93765	0.1724898	0.27566378	2.3382068	20	9 13.0	20.2
215706 2004 AP_{10}	15.4	X	148.51965	258.41692	138.68165	14.99894	0.2853331	0.25620607	2.4551410	20	4 2.9	19.8
215707 2004 AN_{24}	15.9	X	270.52800	313.25712	93.52839	6.22830	0.0429909	0.21465236	2.7625635	20	8 26.3	19.6
215708 2004 AQ_{26}	15.5	X	232.43783	287.59610	230.26987	11.88591	0.2046697	0.22351588	2.6890392	20	11 4.9	19.5
215709 2004 BV_{21}	16.3	X	346.51303	67.94233	87.03483	5.00887	0.0324031	0.24502953	2.5292423	20	1 3.5	19.3
215710 2004 BK_{22}	16.9	X	321.69937	341.35061	116.27813	3.49513	0.1651031	0.23156930	2.6263265	20	—	—
215711 2004 BD_{50}	15.7	X	135.76071	98.08942	300.98745	10.05710	0.0862418	0.19094883	2.9866985	20	3 3.1	20.2
215712 2004 BO_{50}	16.3	X	174.28164	351.04650	133.51998	2.73839	0.1714467	0.20927877	2.8096525	20	8 1.9	20.8
215713 2004 BZ_{71}	15.9	X	267.92378	351.61929	147.46080	12.41827	0.1167976	0.22757495	2.6569685	20	12 14.0	19.4
215714 2004 BW_{74}	15.5	X	306.63129	315.73855	169.91599	4.81199	0.1454323	0.17140258	3.2096510	20	—	—
215715 2004 BK_{75}	16.5	X	321.93302	4.49293	96.27886	5.02069	0.2036428	0.23119582	2.6291543	20	—	—
215716 2004 BH_{76}	17.0	X	203.48327	38.52333	139.11733	3.07894	0.1614575	0.28172042	2.3045731	20	11 15.4	20.2
215717 2004 BE_{87}	15.8	X	222.89981	315.71210	229.28100	8.70067	0.0332503	0.22568055	2.6718165	20	12 21.6	19.5
215718 2004 BY_{91}	16.5	X	264.53615	310.94802	205.41118	4.08650	0.1418723	0.22878266	2.6476098	20	12 26.8	19.7
215719 2004 BR_{94}	15.9	X	236.03383	261.80454	253.30806	10.26300	0.1405471	0.22256870	2.6966629	20	11 13.8	19.7
215720 2004 BU_{94}	15.7	X	224.82608	300.80196	247.72485	10.36051	0.1579826	0.22459833	2.6803924	20	12 11.1	19.4
215721 2004 BU_{96}	16.0	X	183.60581	49.23276	140.27452	8.49283	0.1170254	0.21946197	2.7220527	20	11 5.2	20.3
215722 2004 BZ_{96}	15.4	X	335.76446	240.47188	319.15152	10.53814	0.1160322	0.18429268	3.0581867	20	2 14.5	19.2
215723 2004 BT_{101}	16.7	X	229.16598	299.05622	183.48880	9.62224	0.2458244	0.21789843	2.7350587	20	9 12.6	21.0
215724 2004 BT_{111}	16.4	X	308.14120	10.92794	82.66015	6.02691	0.1588129	0.22758758	2.6568702	20	12 16.3	19.1
215725 2004 BN_{116}	15.8	X	186.40109	151.19493	61.10956	12.27315	0.1400935	0.22441066	2.6818865	20	12 1.0	19.9
215726 2004 BX_{116}	15.5	X	18.28595	7.29891	100.42081	13.54656	0.1122459	0.18053701	3.1004534	20	—	—
215727 2004 BK_{150}	17.3	X	273.23085	163.63050	347.02690	1.69694	0.1425964	0.22932136	2.6434619	20	—	—
215728 2004 CP	15.9	X	347.91675	83.82659	47.28330	27.06461	0.1863527	0.23746813	2.5826516	20	—	—
215729 2004 CN_{20}	16.7	X	21.05887	165.06680	115.88863	7.39274	0.1061387	0.26836094	2.3804360	20	8 31.3	19.2
215730 2004 CB_{31}	16.9	X	6.96342	322.66950	137.62379	5.44813	0.0808298	0.23850607	2.5751533	20	—	—
215731 2004 CZ_{58}	15.9	X	262.80484	98.92953	121.60971	15.51956	0.0628977	0.23810990	2.5780089	20	—	—
215732 2004 CL_{73}	15.8	X	329.97136	258.17265	210.83066	9.88366	0.1444847	0.23161654	2.6259695	20	—	—
215733 2004 CU_{102}	16.6	X	168.62290	204.74167	266.26593	5.87392	0.0706310	0.26432382	2.4046130	20	7 12.6	19.9
215734 2004 DV_{19}	15.8	X	157.44609	83.18093	334.01058	8.92313	0.0554378	0.19357494	2.9596246	20	4 15.6	20.3
215735 2004 DV_{23}	16.2	X	173.62130	112.12381	154.04123	14.31056	0.1881102	0.22671808	2.6636589	20	—	—
215736 2004 DX_{39}	16.5	X	190.47408	72.86395	159.44982	4.64260	0.0623180	0.22528370	2.6749533	20	—	—
215737 2004 DG_{44}	16.0	X	284.11555	350.62475	117.54902	10.41006	0.1558009	0.22368194	2.6877081	20	11 23.8	19.2
215738 2004 DN_{49}	15.6	X	179.75714	222.90645	341.00625	6.28874	0.0752084	0.21867445	2.7285841	20	11 16.5	19.8
215739 2004 DL_{53}	16.8	X	292.62337	40.84041	82.64184	2.03043	0.0219278	0.22619045	2.6677996	20	—	—
215740 2004 ED	15.9	X	175.19146	120.37187	71.48105	13.76434	0.1252859	0.21580241	2.7527400	20	10 31.0	20.3
215741 2004 EL_{11}	15.8	X	242.68355	28.01425	98.39350	4.96276	0.1169822	0.21804055	2.7338700	20	10 22.2	19.5
215742 2004 EY_{16}	15.8	X	158.99393	151.89132	40.18953	9.19188	0.1345834	0.21076097	2.7964641	20	10 12.6	20.2
215743 2004 EV_{29}	16.8	X	112.67343	137.78975	139.02907	1.42682	0.1181136	0.21662245	2.7457884	20	12 8.2	20.9
215744 2004 EB_{48}	16.4	X	303.36212	83.81220	24.77553	5.10510	0.0549207	0.22393939	2.6856478	20	12 30.5	19.7
215745 2004 EK_{50}	15.4	X	126.22093	31.48638	41.02138	10.70124	0.0857339	0.18810856	3.0166876	20	4 9.1	19.9
215746 2004 EH_{74}	16.6	X	112.90660	6.89529	258.10121	3.17003	0.1384099	0.27423133	2.3463421	20	12 5.1	20.2
215747 2004 EU_{82}	15.8	X	281.78677	110.12239	182.68698	13.51117	0.0572773	0.18640249	3.0350668	20	4 9.1	20.1
215748 2004 EC_{83}	16.5	X	326.28224	48.37497	58.53770	4.10434	0.1378259	0.23095090	2.6310127	20	—	—
215749 2004 EN_{83}	15.8	X	48.06653	147.11703	54.41992	8.14959	0.0683469	0.19266633	2.9689223	20	6 7.4	19.7
215750 2004 EK_{85}	16.8	X	129.85319	29.70593	121.38108	4.67137	0.0898443	0.26122616	2.4235851	20	7 23.0	20.1
215751 2004 EH_{105}	16.3	X	91.05474	201.38329	155.22196	5.80483	0.1425557	0.22821872	2.6519696	20	—	—
215752 2004 FZ_{2}	16.6	X	61.83009	254.84273	349.33685	5.59598	0.0825452	0.26481794	2.4016209	20	9 3.5	19.5
215753 2004 FB_{9}	16.3	X	233.58864	39.48619	84.96075	5.12969	0.1619784	0.21379155	2.7699740	20	10 2.5	20.3
215754 2004 FF_{14}	16.0	X	229.32311	286.79041	330.15751	11.98593	0.2854426	0.22907417	2.6453631	20	—	—
215755 2004 FF_{51}	16.2	X	218.64257	129.28448	49.28783	4.37510	0.0298045	0.22244231	2.6976842	20	12 8.0	19.7
215756 2004 FQ_{62}	16.6	X	181.73121	58.96052	157.80345	5.65226	0.1266492	0.21782803	2.7356480	20	12 3.2	20.9
215757 2004 FU_{64}	17.8	X	111.81236	286.41542	20.89401	24.87819	0.3671270	0.39563517	1.8376923	20	—	—
215758 2004 FM_{68}	16.4	X	220.01818	18.79664	164.03359	7.54384	0.0454502	0.22137979	2.7063091	20	12 13.6	20.2
215759 2004 FW_{85}	16.0	X	167.15361	162.76885	103.79524	7.53014	0.0888738	0.22628499	2.6670565	20	—	—
215760 2004 FZ_{89}	15.5	X	245.53845	291.67502	168.44419	16.05383	0.1645677	0.21190370	2.7864015	20	9 11.9	19.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
215761 2004 FF_{90}	16.2	X	332.87594	324.57364	116.55470	6.50056	0.0815689	0.22372716	2.6873459	20	—	—
215762 2004 FK_{91}	15.8	X	213.83013	274.58910	102.69297	3.29562	0.0289220	0.18971499	2.9996342	20	5 6.0	20.1
215763 2004 FB_{95}	16.4	X	290.56769	358.49076	110.26455	12.83349	0.1109032	0.22194726	2.7016942	20	12 8.7	19.6
215764 2004 FQ_{112}	16.2	X	87.56769	76.95206	192.93517	6.30677	0.0307433	0.21143887	2.7904837	20	10 25.6	20.1
215765 2004 FJ_{115}	16.2	X	269.67281	241.78975	23.94445	6.55299	0.1755372	0.24067805	2.5596371	20	2 2.9	20.1
215766 2004 FX_{124}	15.9	X	350.25799	226.65489	201.45936	5.32208	0.0265846	0.22189002	2.7021588	20	—	—
215767 2004 FZ_{124}	15.9	X	100.52423	278.16747	0.96022	7.13133	0.1985436	0.21110868	2.7933926	20	12 1.9	20.6
215768 2004 FZ_{131}	16.9	X	116.71381	94.89932	162.60267	4.78317	0.0675593	0.21531247	2.7569142	20	11 17.4	20.9
215769 2004 GA_{12}	15.7	X	212.52695	55.15656	66.55656	33.00345	0.2913707	0.21104687	2.7939380	20	9 12.7	21.2
215770 2004 GP_{16}	15.7	X	164.32411	94.11443	108.32326	10.42433	0.0468661	0.21102873	2.7940981	20	11 4.2	19.9
215771 2004 GR_{18}	15.8	X	335.62778	15.31720	164.44553	11.00195	0.1608557	0.17569625	3.1571440	20	1 15.8	19.9
215772 2004 GU_{29}	15.5	X	87.34321	326.47951	209.24793	9.69257	0.0364837	0.19255756	2.9700402	20	6 22.4	19.7
215773 2004 GX_{31}	15.9	X	97.91317	229.87374	64.07474	8.83083	0.2127246	0.21167110	2.7884423	20	12 18.7	20.5
215774 2004 GH_{32}	15.5	X	139.94240	350.60223	247.65443	12.00452	0.1294211	0.21412165	2.7671264	20	11 17.3	19.8
215775 2004 HF_{6}	15.8	X	0.78635	93.92906	206.66184	8.17560	0.3934177	0.18968222	2.9999795	20	9 7.1	17.9
215776 2004 HU_{34}	16.5	X	104.53598	130.37502	208.00233	6.32135	0.0413459	0.22568691	2.6717663	20	—	—
215777 2004 HR_{37}	15.4	X	146.88795	87.43097	73.87438	15.82682	0.0931805	0.20335496	2.8639551	20	8 27.3	20.1
215778 2004 HP_{53}	15.6	X	97.60684	113.79500	121.76995	15.73257	0.1087054	0.20503303	2.8483072	20	10 7.9	20.1
215779 2004 HY_{65}	15.9	X	70.33875	122.87382	139.22947	9.53348	0.1357076	0.19988409	2.8970138	20	10 9.7	20.2
215780 2004 HR_{69}	15.8	X	202.79709	256.70020	225.04335	14.06666	0.1050246	0.20320332	2.8653798	20	8 23.1	20.5
215781 2004 HL_{73}	16.2	X	15.93205	246.91288	26.57739	1.90221	0.1001741	0.19303535	2.9651374	20	7 30.6	19.7
215782 2004 JO_{28}	16.9	X	284.90666	273.23879	101.96987	23.26095	0.0826432	0.37797026	1.8945132	20	8 19.3	18.8
215783 2004 JS_{34}	15.8	X	24.11056	216.14590	84.45347	9.16356	0.2230281	0.19554307	2.9397321	20	10 10.8	19.4
215784 2004 JE_{42}	17.0	X	287.55746	74.95025	144.34130	10.23723	0.1011187	0.29306786	2.2446946	20	—	—
215785 2004 KQ_{13}	15.8	X	144.49675	220.41096	103.91131	12.80871	0.2122769	0.22019561	2.7160032	20	—	—
215786 2004 KM_{14}	14.9	X	272.40487	209.48536	92.19627	25.17912	0.1887975	0.17812628	3.1283648	20	4 4.8	20.1
215787 2004 LT	15.8	X	295.77877	82.44331	192.67777	19.91419	0.2012926	0.17826550	3.1267358	20	3 12.2	20.3
215788 2004 LW_{4}	15.8	X	279.83724	109.81611	109.00984	12.27037	0.1265125	0.22909705	2.6451871	20	—	—
215789 2004 LQ_{9}	15.5	X	331.64724	222.55356	75.94964	10.86644	0.0639390	0.18711918	3.0273120	20	6 22.0	19.3
215790 2004 LK_{14}	17.0	X	193.91223	146.30684	126.25212	3.52160	0.1470094	0.28190814	2.3035500	20	—	—
215791 2004 LP_{24}	15.3	X	311.88836	166.65070	139.41198	19.70446	0.2376444	0.17736747	3.1372809	20	5 16.0	19.6
215792 2004 MS_{3}	15.0	X	314.74881	48.99414	230.76061	11.12213	0.1835804	0.17623638	3.1506899	20	4 15.9	19.1
215793 2004 MD_{7}	15.1	X	302.07269	171.97157	116.37155	16.55118	0.2096564	0.17542829	3.1603582	20	4 14.5	19.7
215794 2004 NV_{12}	15.8	X	26.81358	106.37729	120.20202	7.21124	0.2632072	0.18466493	3.0540755	20	7 3.2	18.8
215795 2004 NF_{18}	16.1	X	0.88401	9.28445	245.47314	6.02282	0.3198166	0.18426847	3.0584545	20	6 11.8	18.1
215796 2004 NY_{28}	15.6	X	340.50859	133.44550	138.74254	16.15422	0.1785495	0.17929095	3.1148021	20	5 27.7	19.4
215797 2004 OV	15.2	X	314.59869	166.18657	106.05761	17.42804	0.1609580	0.17625799	3.1504325	20	4 20.1	19.6
215798 2004 OZ_{9}	15.3	X	338.08342	186.72072	106.83577	10.39712	0.2337100	0.18275918	3.0752700	20	6 13.4	18.3
215799 2004 OK_{10}	16.8	X	163.28440	341.33997	10.47635	5.53331	0.1561850	0.28271768	2.2991505	20	2 5.6	20.1
215800 2004 PS_{27}	15.2	X	347.67963	203.78507	87.11888	8.82112	0.1411481	0.18094685	3.0957701	20	7 4.7	18.7
215801 2004 PK_{64}	15.4	X	292.41809	37.73090	244.30233	6.69149	0.1447557	0.17083913	3.2167043	20	3 24.5	20.0
215802 2004 PB_{73}	16.3	X	173.75146	308.00629	340.12303	6.62678	0.1283935	0.27493532	2.3423351	20	—	—
215803 2004 PQ_{83}	16.7	X	47.97170	51.06806	155.14554	23.37327	0.0528791	0.36001537	1.9569904	20	6 19.4	19.2
215804 2004 QG_{8}	14.9	X	288.45847	269.45830	38.63077	15.63955	0.2236442	0.17353164	3.1833442	20	4 14.9	19.4
215805 2004 RT_{25}	17.7	X	79.70652	342.00238	61.11120	2.48233	0.1867468	0.27026790	2.3692256	20	—	—
215806 2004 RW_{138}	16.2	X	83.08357	160.86373	322.02699	24.00742	0.2215727	0.28505369	2.2865723	20	4 18.7	19.6
215807 2004 RE_{168}	16.0	X	336.53072	111.62125	170.63645	14.67067	0.2364984	0.17917082	3.1161943	20	5 25.9	19.5
215808 2004 RS_{236}	16.8	X	230.97995	63.15814	193.90068	6.16968	0.1012778	0.27636475	2.3342514	20	—	—
215809 Hugoschwarz	17.6	X	30.80408	42.44062	323.71049	1.52726	0.1938905	0.25709194	2.4494979	20	—	—
215810 2004 RZ_{290}	16.6	X	182.50070	127.28690	287.21347	3.26907	0.1644896	0.22526346	2.6751135	20	5 13.4	20.9
215811 2004 RE_{308}	15.2	X	338.45602	300.69557	354.71764	9.86768	0.2076013	0.17434840	3.1733946	20	6 17.9	18.8
215812 2004 TC_{139}	15.2	X	0.52781	31.09966	267.07189	3.79702	0.1409525	0.17826181	3.1267789	20	8 6.3	18.9
215813 2004 TL_{197}	17.6	X	194.71260	235.23729	199.65611	6.16472	0.2178992	0.29184196	2.2509761	20	6 19.5	21.4
215814 2004 TO_{220}	14.9	X	311.47181	216.07276	156.72229	17.72054	0.2570269	0.17861246	3.1226852	20	8 3.9	18.5
215815 2004 TV_{242}	15.7	X	245.00022	250.15249	59.98814	14.39530	0.1708234	0.22482441	2.6785951	20	3 11.6	20.2
215816 2004 TH_{277}	16.2	X	322.05318	274.32254	50.89611	5.19644	0.0630523	0.23330471	2.6132866	20	7 18.3	19.4
215817 2004 VB_{27}	16.0	X	216.31645	190.05255	250.05629	11.48880	0.1201023	0.23099170	2.6307028	20	7 18.7	20.2
215818 2004 XP_{31}	16.4	X	277.10275	109.79121	295.47950	2.30898	0.0984135	0.23216401	2.6218396	20	8 23.9	19.6
215819 2004 XW_{34}	17.3	X	203.86244	85.88743	79.89167	4.64507	0.0882209	0.30199942	2.2002159	20	11 13.4	20.0
215820 2004 XX_{35}	16.3	X	258.10661	210.24690	184.55026	11.90874	0.1892058	0.23204810	2.6227126	20	6 30.1	20.3
215821 2004 XO_{157}	17.0	X	208.98685	22.66352	90.71698	6.99123	0.1021421	0.29381076	2.2409092	20	9 7.4	20.1
215822 2004 XT_{184}	13.0	X	307.35432	202.13081	82.12952	11.19565	0.0406026	0.08596874	5.0844308	20	5 8.7	19.7
215823 2005 AX_{18}	16.8	X	136.69194	76.71740	113.90490	7.09966	0.0481823	0.29329648	2.2435279	20	9 29.3	19.8
215824 2005 AY_{25}	17.8	X	172.47243	267.06319	175.86244	0.95966	0.2070205	0.28307753	2.2972016	20	6 10.7	21.4
215825 2005 AC_{32}	17.2	X	114.58612	67.47924	103.57055	2.14094	0.1635426	0.28389638	2.2927822	20	8 10.2	20.4
215826 2005 AN_{43}	17.6	X	140.39704	19.36634	128.29119	0.94821	0.1480096	0.28467423	2.2886038	20	8 3.9	21.0
215827 2005 AW_{53}	17.1	X	170.27533	204.28617	268.78185	2.61880	0.1719026	0.28436219	2.2902777	20	7 18.1	20.7
215828 2005 AX_{53}	17.4	X	162.11307	247.42128	216.07796	1.37280	0.1990335	0.28194958	2.3033242	20	6 28.2	21.2
215829 2005 AK_{61}	17.3	X	248.20249	47.00561	57.22147	2.99261	0.0577453	0.29719209	2.2238793	20	10 23.0	19.7
215830 2005 BK_{8}	17.1	X	144.14216	115.41974	89.68106	7.32514	0.0371644	0.29664988	2.2265883	20	10 29.0	19.9
215831 2005 BD_{11}	16.6	X	246.40444	158.19956	320.20519	5.14511	0.2429525	0.23546689	2.5972643	20	9 26.6	20.4
215832 2005 BR_{27}	16.8	X	146.01614	65.23386	127.44001	7.25557	0.0787613	0.29247179	2.2477434	20	10 13.3	19.9
215833 2005 CZ_{5}	16.8	X	129.33700	11.53783	148.22874	5.81016	0.0972340	0.28184146	2.3039133	20	8 4.9	20.0
215834 2005 CL_{11}	17.1	X	160.09486	340.01802	109.58707	3.04916	0.1632276	0.27885431	2.3203374	20	6 7.3	20.7
215835 2005 CZ_{15}	15.9	X	250.38446	42.51773	308.89512	5.41817	0.0540890	0.21317368	2.7753238	20	5 11.2	19.8
215836 2005 CW_{18}	17.3	X	80.49096	50.66949	135.80398	5.27817	0.1819455	0.27800263	2.3250740	20	7 24.5	20.3
215837 2005 CX_{20}	17.1	X	66.14997	114.86792	71.11549	3.23168	0.1424091	0.27504908	2.3416892	20	6 27.5	19.8
215838 2005 CT_{22}	16.6	X	172.89865	41.16599	100.94131	6.50691	0.1182026	0.28874369	2.2670497	20	9 2.6	19.9
215839 2005 CP_{26}	17.1	X	70.50443	197.28641	108.35876	6.13155	0.1948293	0.29677683	2.2259534	20	12 23.3	20.4
215840 2005 CP_{35}	17.2	X	3.21554	111.63830	95.19715	2.31377	0.1376083	0.26745661	2.3857988	20	3 30.9	19.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
215841 Čimelice	17.1	X	107.54979	20.45705	128.80369	2.60248	0.1394501	0.27758065	2.3274298	20	6 29.9	20.4
215842 2005 CB_{46}	16.9	X	31.02984	317.68459	355.42688	1.65823	0.0754840	0.22789203	2.6545034	20	10 16.6	20.3
215843 2005 CU_{57}	17.3	X	284.82716	294.84942	131.44233	5.05973	0.0991887	0.29789754	2.2203670	20	10 22.5	19.4
215844 2005 CA_{63}	15.7	X	238.16181	204.53613	79.39204	3.10288	0.0509994	0.19448612	2.9503733	20	2 7.1	20.0
215845 2005 CS_{65}	17.2	X	192.18382	11.46177	86.51056	3.92426	0.0768193	0.28320235	2.2965266	20	7 25.3	20.2
215846 2005 EJ_{5}	16.6	X	5.29315	143.03766	132.69345	4.64694	0.1090454	0.27588733	2.3369435	20	7 23.0	18.6
215847 2005 EL_{5}	17.1	X	356.64981	61.68833	138.86667	5.49572	0.1971269	0.26173685	2.4204316	20	3 1.8	19.2
215848 2005 EA_{6}	16.8	X	21.30255	185.47719	30.93202	3.30375	0.1213763	0.26905398	2.3763465	20	5 20.5	19.1
215849 2005 EZ_{12}	17.0	X	12.17708	199.87889	44.81067	3.01186	0.1620814	0.27286758	2.3541534	20	6 20.6	18.7
215850 2005 ED_{15}	17.3	X	30.85779	54.06012	143.90070	2.77098	0.1470708	0.26879866	2.3778511	20	5 14.7	19.3
215851 2005 EB_{18}	17.5	X	60.70729	22.22883	150.81556	1.65427	0.1162669	0.26982816	2.3717989	20	5 26.1	20.0
215852 2005 ES_{20}	17.0	X	52.25412	97.33734	97.64320	2.08081	0.1186693	0.27271970	2.3550044	20	6 14.2	19.4
215853 2005 EB_{29}	16.6	X	34.61691	152.86298	46.11676	2.84000	0.1429564	0.26817232	2.3815521	20	5 22.2	18.6
215854 2005 EQ_{29}	17.0	X	108.36307	297.36480	208.71640	2.79730	0.1837891	0.27797989	2.3252008	20	7 1.3	20.2
215855 2005 EG_{36}	16.9	X	5.50131	4.47331	227.65983	5.91690	0.1921001	0.26825703	2.3810507	20	5 14.5	18.4
215856 2005 ER_{47}	17.1	X	64.06797	172.40740	15.34925	2.25986	0.1074975	0.27408454	2.3471798	20	6 20.7	19.6
215857 2005 EF_{52}	17.1	X	320.74041	76.66148	147.05352	2.10983	0.1382531	0.26302379	2.4125298	20	2 8.9	20.0
215858 2005 ES_{58}	17.1	X	53.34167	324.43967	213.18457	0.91949	0.1148827	0.26905725	2.3763273	20	5 20.0	19.7
215859 2005 EJ_{63}	16.9	X	150.13334	249.46159	244.60563	1.94405	0.1645428	0.21681724	2.7441437	20	7 22.9	21.3
215860 2005 EQ_{71}	16.9	X	117.78404	62.45338	72.79003	5.48095	0.1183084	0.27702754	2.3305267	20	6 20.1	19.9
215861 2005 EM_{101}	16.5	X	323.48910	141.53999	84.50982	10.39865	0.1572718	0.25813676	2.4428838	20	2 18.1	19.5
215862 2005 ED_{112}	16.5	X	140.65617	325.34149	152.14561	6.69487	0.0612272	0.27446112	2.3450323	20	6 18.2	19.7
215863 2005 EX_{132}	17.6	X	36.04883	279.17539	208.59527	2.33991	0.1284580	0.25944389	2.4346718	20	2 4.3	19.8
215864 2005 EC_{142}	16.7	X	25.17788	324.86012	247.41746	4.42236	0.0233603	0.27150138	2.3620442	20	5 14.3	19.3
215865 2005 ET_{144}	15.9	X	92.80925	265.63014	164.53176	6.21859	0.0716028	0.19301377	2.9653584	20	2 20.7	20.0
215866 2005 EG_{145}	16.6	X	52.80479	47.97857	165.17410	6.85223	0.0409974	0.27423044	2.3463472	20	6 29.6	19.5
215867 2005 EK_{148}	16.9	X	292.67457	161.55065	122.79044	3.53557	0.2195242	0.26019267	2.4299985	20	3 13.4	20.1
215868 Rohrer	17.1	X	174.51816	208.45657	231.58394	0.47911	0.0423195	0.27470480	2.3436453	20	6 7.5	20.2
215869 2005 ET_{156}	16.5	X	229.24959	230.28324	347.35935	2.78082	0.1450130	0.24118718	2.5560336	20	—	—
215870 2005 EM_{161}	17.3	X	334.60860	179.42849	58.81382	2.12425	0.1419345	0.26148312	2.4219970	20	3 23.5	19.6
215871 2005 EO_{165}	17.4	X	103.33305	98.30402	22.40940	1.95593	0.1286217	0.26945569	2.3739841	20	5 13.8	20.4
215872 2005 EH_{176}	17.8	X	280.66479	61.85632	233.30762	0.52636	0.1907212	0.26315585	2.4117226	20	3 15.6	21.1
215873 2005 EO_{183}	17.6	X	75.20084	322.92556	188.05191	0.89927	0.1142845	0.26852354	2.3794750	20	5 15.8	20.3
215874 2005 EB_{193}	17.3	X	314.47927	43.08387	258.81522	1.25964	0.2149871	0.27014643	2.3699357	20	5 7.7	19.6
215875 2005 EY_{193}	17.3	X	255.34151	116.57051	195.09631	3.79865	0.1312504	0.26295610	2.4129439	20	3 15.6	20.7
215876 2005 EO_{207}	16.8	X	57.59357	140.83236	87.49249	4.88487	0.0203769	0.27912472	2.3188386	20	7 27.8	19.6
215877 2005 EU_{219}	16.7	X	207.55908	78.21454	198.45212	11.51128	0.2781153	0.24111162	2.5565676	20	—	—
215878 2005 EM_{230}	17.0	X	36.81617	165.76274	138.67401	3.97192	0.1605022	0.28914223	2.2649661	20	11 10.2	19.7
215879 2005 EA_{231}	16.9	X	26.41402	110.65615	68.73709	8.22614	0.1464926	0.26364926	2.4087127	20	4 9.3	19.1
215880 2005 EA_{245}	16.6	X	321.74635	75.72613	177.55762	6.84582	0.0691239	0.26004413	2.4309238	20	4 3.7	19.3
215881 2005 EE_{245}	17.2	X	7.57115	63.49323	119.27396	2.16847	0.1299067	0.25900413	2.4374268	20	3 3.9	19.3
215882 2005 EO_{253}	17.4	X	19.06728	80.70164	103.16980	2.21215	0.1224845	0.26366395	2.4086233	20	3 28.2	19.6
215883 2005 EJ_{295}	16.8	X	3.20952	72.73994	196.96413	5.69184	0.1334673	0.27331111	2.3516058	20	7 9.4	19.0
215884 2005 EX_{296}	17.4	X	62.29665	256.73898	92.68597	1.86681	0.2048994	0.29656704	2.2270030	20	—	—
215885 2005 EW_{323}	16.9	X	25.31495	346.58866	177.80482	5.25960	0.1388571	0.26145689	2.4221590	20	3 9.5	19.1
215886 Barryarnold	17.4	X	35.44644	358.54995	180.46181	3.00113	0.0924579	0.26522798	2.3991450	20	4 18.3	19.9
215887 2005 GZ_{2}	17.6	X	15.38029	116.67112	56.81794	2.95286	0.1426068	0.25949807	2.4343328	20	3 5.6	19.7
215888 2005 GU_{4}	16.5	X	261.70352	262.69242	62.87272	7.27644	0.1606151	0.26125849	2.4233851	20	4 10.3	20.1
215889 2005 GY_{5}	16.7	X	178.19366	346.28673	61.25616	6.81839	0.0897735	0.26471838	2.4022230	20	4 30.4	20.2
215890 2005 GM_{17}	17.6	X	37.31692	325.95372	188.13349	0.97568	0.1235169	0.26345996	2.4098664	20	3 16.9	19.8
215891 2005 GF_{19}	17.7	X	6.66887	137.17782	30.77980	2.53486	0.1126259	0.25691395	2.4506292	20	2 11.4	20.1
215892 2005 GG_{30}	17.2	X	317.94689	193.22224	73.39292	4.94569	0.1447932	0.26311208	2.4119901	20	4 6.5	19.9
215893 2005 GS_{42}	17.1	X	110.14697	317.17977	172.66669	6.65663	0.0576200	0.27457708	2.3443720	20	5 27.1	20.1
215894 2005 GN_{53}	17.8	X	261.47513	71.27281	221.34878	1.22723	0.1679122	0.25295048	2.4761619	20	2 24.3	21.5
215895 2005 GG_{54}	17.2	X	253.41347	327.51803	207.37477	1.74475	0.1216339	0.23904935	2.5712502	20	—	—
215896 2005 GV_{58}	16.8	X	5.90904	76.26672	119.47841	5.48383	0.1402432	0.26041166	2.4286360	20	3 21.5	19.1
215897 2005 GJ_{66}	17.6	X	306.52048	107.71694	51.71161	0.77943	0.1237867	0.24464832	2.5318690	20	—	—
215898 2005 GR_{69}	16.7	X	354.68295	122.09056	99.98678	10.39168	0.0860981	0.26209839	2.4182052	20	4 15.6	19.5
215899 2005 GQ_{104}	17.5	X	314.20269	77.58957	174.04248	4.23981	0.0886794	0.25975819	2.4327074	20	3 17.3	20.3
215900 2005 GR_{124}	16.2	X	277.82685	207.50413	77.31222	16.81013	0.0835509	0.25986665	2.4320305	20	3 23.9	19.8
215901 2005 GA_{130}	16.6	X	340.04910	115.17449	67.10612	6.95518	0.0756450	0.25273208	2.4775882	20	1 25.0	19.6
215902 2005 GL_{169}	16.1	X	115.36763	243.35741	29.08601	3.81239	0.0611125	0.22648197	2.6655099	20	12 4.3	20.0
215903 2005 GO_{181}	17.0	X	38.81127	357.11112	134.96779	3.14902	0.1423284	0.25737290	2.4477149	20	2 18.5	19.3
215904 2005 GX_{181}	16.8	X	308.32137	193.84755	78.16560	2.56629	0.1692125	0.26088461	2.4256999	20	3 25.3	19.6
215905 2005 GF_{223}	17.1	X	151.74714	358.84726	163.13724	2.97330	0.0949561	0.28093083	2.3088893	20	9 2.9	20.3
215906 2005 GV_{226}	16.6	X	303.60723	299.53468	240.97568	2.69725	0.1021158	0.24547186	2.5262029	20	—	—
215907 2005 HT_{3}	16.4	X	249.50248	189.40763	161.68985	6.11123	0.1381877	0.26625916	2.3929466	20	5 1.8	19.8
215908 2005 HH_{6}	16.8	X	254.81076	109.55943	151.00402	5.85777	0.0396296	0.24623310	2.5209937	20	1 20.4	20.3
215909 2005 JH_{13}	16.4	X	219.23627	287.96267	39.15581	8.01428	0.1164046	0.25410730	2.4686411	20	3 4.1	20.2
215910 2005 JL_{20}	15.7	X	340.29761	3.77403	139.28625	13.59779	0.0784098	0.24372306	2.5382728	20	—	—
215911 2005 JX_{21}	16.8	X	345.22263	121.70502	140.85656	7.58000	0.0949249	0.26438554	2.4042387	20	5 25.4	19.4
215912 2005 JK_{30}	16.3	X	161.99182	192.64378	110.49240	4.91772	0.1387459	0.23671360	2.5881369	20	—	—
215913 2005 JE_{34}	16.3	X	271.81776	315.14343	255.06992	4.75787	0.1572742	0.24343356	2.5402848	20	—	—
215914 2005 JK_{36}	17.0	X	182.73043	72.41018	238.59822	4.03346	0.2637094	0.23879666	2.5730638	20	1 12.8	21.4
215915 2005 JG_{39}	16.0	X	185.14338	97.08401	233.45257	10.81555	0.2910029	0.24222187	2.5487495	20	2 3.3	20.8
215916 2005 JT_{48}	16.8	X	279.85407	319.36030	94.38550	6.88484	0.0642271	0.28000638	2.3139684	20	9 27.2	19.5
215917 2005 JB_{56}	17.7	X	331.47827	79.80210	161.66048	1.62992	0.1316965	0.26128974	2.4231919	20	3 23.5	20.0
215918 2005 JG_{56}	16.0	X	81.63799	210.30349	129.93361	14.29271	0.1590807	0.22627180	2.6671602	20	—	—
215919 2005 JZ_{70}	16.4	X	291.30234	350.51961	196.86216	13.23179	0.0997264	0.24329644	2.5412392	20	—	—
215920 2005 JB_{86}	16.4	X	278.02732	285.46542	194.46558	3.30858	0.2097975	0.23146460	2.6271185	20	11 21.6	19.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
215921 2005 JV_{98}	15.6	X	196.00647	351.99445	195.03056	15.63523	0.1888021	0.22607035	2.6687444	20	11 8.3	19.9
215922 2005 JG_{103}	15.6	X	95.95562	238.01722	129.11566	14.76813	0.2285847	0.23173000	2.6251123	20	—	—
215923 2005 JP_{103}	16.5	X	66.60379	342.75674	17.85047	8.69719	0.1236634	0.23693706	2.5865093	20	—	—
215924 2005 JX_{104}	17.7	X	290.38369	80.14612	53.46400	5.58861	0.2519284	0.23696474	2.5863079	20	—	—
215925 2005 JP_{107}	16.4	X	236.43586	69.69424	196.33635	4.69056	0.1187452	0.24442532	2.5334087	20	1 2.7	20.3
215926 2005 JX_{126}	16.1	X	218.38519	148.03849	106.54490	11.01580	0.1778937	0.23853831	2.5749213	20	—	—
215927 2005 JZ_{127}	16.2	X	281.48784	355.58201	209.70317	9.59379	0.1446267	0.24309685	2.5426300	20	—	—
215928 2005 JX_{151}	17.3	X	335.56591	144.51376	109.09351	2.67278	0.1270935	0.26447760	2.4036808	20	4 19.4	19.7
215929 2005 JP_{153}	16.5	X	38.10861	55.70867	97.38278	7.03683	0.0575200	0.25814881	2.4428078	20	3 17.6	19.4
215930 2005 JB_{161}	16.8	X	251.84960	324.93725	207.80044	13.16572	0.1074534	0.23330283	2.6133006	20	—	—
215931 2005 KF_{4}	17.1	X	53.49588	335.85313	169.46218	2.42028	0.0644538	0.25871386	2.4392497	20	3 27.7	19.8
215932 2005 KY_{4}	16.6	X	180.00205	76.21764	207.15676	3.30664	0.2146050	0.23489120	2.6015063	20	—	—
215933 2005 KU_{5}	16.9	X	170.99327	172.65963	122.24195	15.19359	0.2370589	0.23338215	2.6127085	20	—	—
215934 2005 KV_{6}	16.9	X	221.74214	38.86260	230.50480	8.27608	0.1370591	0.24099629	2.5573832	20	—	—
215935 2005 KW_{6}	16.6	X	191.12192	112.49840	211.35519	2.88022	0.2214075	0.24183483	2.5514682	20	2 1.0	20.9
215936 2005 KQ_{10}	16.1	X	163.16138	118.72554	235.25722	3.73161	0.2866104	0.24135320	2.5548614	20	2 17.3	20.6
215937 2005 KW_{10}	16.0	X	179.06337	222.42354	39.40470	14.95622	0.0875597	0.23307592	2.6149965	20	—	—
215938 2005 LS_{4}	15.6	X	63.67838	142.39870	210.88209	13.81496	0.1945074	0.22592110	2.6699196	20	—	—
215939 2005 LQ_{5}	15.8	X	133.61274	86.77317	224.98862	11.68648	0.1156611	0.23017545	2.6369186	20	—	—
215940 2005 LS_{5}	15.9	X	214.40547	108.76141	97.93726	12.60410	0.1237255	0.22993544	2.6387532	20	12 27.4	19.3
215941 2005 LO_{20}	16.6	X	298.77100	351.94273	186.39844	5.83919	0.1513889	0.24193389	2.5507716	20	—	—
215942 2005 LG_{22}	16.6	X	26.28448	302.52818	169.17231	4.53076	0.1126786	0.24686801	2.5166694	20	—	—
215943 2005 MN_{3}	16.2	X	201.45713	114.41764	168.26077	11.14193	0.1666355	0.23794632	2.5791903	20	—	—
215944 2005 MU_{11}	16.5	X	114.43979	99.61920	198.65127	7.47675	0.1351310	0.22445858	2.6815048	20	—	—
215945 2005 ML_{15}	15.9	X	358.50194	217.51498	134.49815	6.92852	0.0841911	0.20508932	2.8477860	20	10 20.2	19.5
215946 2005 MA_{23}	15.5	X	126.80601	10.78328	286.57010	11.21900	0.2966053	0.22052773	2.7132756	20	—	—
215947 2005 MZ_{38}	15.3	X	146.06830	319.55419	133.03180	12.76637	0.1576838	0.18257882	3.0772949	20	5 30.8	20.5
215948 2005 MC_{43}	16.5	X	117.41960	123.66039	146.27991	2.49431	0.1837345	0.21560727	2.7544007	20	12 6.9	21.2
215949 2005 MH_{43}	16.0	X	151.21524	14.44051	265.53115	11.27471	0.1628836	0.22356137	2.6886744	20	—	—
215950 2005 NO_{6}	16.4	X	346.36903	243.65585	135.36606	7.34089	0.0634307	0.20946491	2.8079876	20	11 5.8	20.0
215951 2005 NC_{23}	16.6	X	225.94627	32.79544	240.98196	5.64221	0.1908431	0.24173796	2.5521497	20	1 1.2	21.0
215952 2005 NX_{27}	16.2	X	99.59564	101.25562	154.01284	4.85732	0.0669682	0.20930311	2.8094346	20	10 26.0	20.3
215953 2005 NR_{31}	16.5	X	150.67546	129.94864	109.39200	4.49927	0.1432112	0.21731107	2.7399848	20	11 29.9	20.8
215954 2005 NS_{31}	15.8	X	116.78060	166.48644	177.57039	14.34387	0.2644222	0.22969689	2.6405799	20	—	—
215955 2005 NF_{39}	16.0	X	108.15619	239.65191	95.93547	12.12182	0.1546191	0.22374019	2.6872416	20	—	—
215956 2005 NW_{40}	16.4	X	114.51419	198.73415	127.68168	5.43457	0.0559673	0.22483279	2.6785286	20	—	—
215957 2005 NT_{55}	16.0	X	143.35310	62.98903	224.12279	12.18982	0.2470739	0.22239120	2.6980975	20	—	—
215958 2005 NN_{56}	16.4	X	8.86393	196.08549	119.52770	3.18734	0.0570903	0.20263318	2.8707520	20	9 12.8	20.0
215959 2005 NL_{72}	15.9	X	76.37429	273.39474	82.53909	9.91162	0.2184376	0.21974860	2.7196852	20	—	—
215960 2005 NX_{74}	15.6	X	57.49464	73.18532	125.43956	10.91655	0.0395108	0.19079374	2.9883168	20	6 14.7	19.7
215961 2005 NC_{122}	16.6	X	64.41618	218.40322	75.01204	8.00058	0.1228297	0.27555286	2.3388342	20	11 20.8	19.7
215962 2005 PA	16.2	X	84.65975	74.86605	232.92613	3.99467	0.1452216	0.21196542	2.7858606	20	12 18.8	20.4
215963 2005 PK_{18}	15.6	X	13.03513	247.35975	99.90133	16.05108	0.1630068	0.20578852	2.8413318	20	11 17.6	19.3
215964 2005 QZ_{2}	16.0	X	260.64381	184.24510	172.51324	5.15076	0.1282196	0.18565340	3.0432254	20	5 24.1	20.4
215965 2005 QL_{32}	17.0	X	82.66338	315.24895	339.61323	1.80316	0.2151933	0.27659664	2.3329465	20	12 18.5	20.6
215966 2005 QD_{38}	15.5	X	257.98339	147.10297	202.42027	7.32211	0.0769561	0.18030558	3.1031059	20	5 18.4	20.0
215967 2005 QQ_{43}	15.6	X	132.30603	317.25002	157.58847	11.05548	0.0397966	0.18229447	3.0804941	20	6 2.8	20.2
215968 2005 QO_{53}	15.8	X	211.35881	328.08681	25.88330	1.47850	0.1758060	0.17502981	3.1651530	20	3 29.3	21.1
215969 2005 QJ_{55}	15.9	X	352.87308	182.18606	120.60222	3.86819	0.1079965	0.19207416	2.9750214	20	7 31.9	19.2
215970 2005 QV_{66}	15.5	X	62.80862	213.23591	118.32220	10.41228	0.1516839	0.21157264	2.7893074	20	12 25.9	19.7
215971 2005 QN_{68}	15.7	X	251.76679	239.73694	62.12483	6.20672	0.1320520	0.17654248	3.1470470	20	3 10.7	20.6
215972 2005 QM_{90}	15.5	X	143.16638	274.78430	162.39782	12.91394	0.0570312	0.17690972	3.1426903	20	5 2.5	20.3
215973 2005 QW_{96}	15.8	X	103.92677	209.83440	142.38783	12.37240	0.1095513	0.22180190	2.7028744	20	—	—
215974 2005 QQ_{106}	15.9	X	193.39934	325.50228	48.88136	5.86101	0.2084362	0.17355974	3.1830006	20	4 8.3	21.3
215975 2005 QK_{111}	15.8	X	283.21121	149.97049	180.18673	11.12902	0.0788606	0.18270450	3.0758835	20	5 25.9	20.2
215976 2005 QU_{120}	16.4	X	135.15321	277.77479	353.99792	2.14584	0.0403380	0.21405926	2.7676641	20	12 22.7	20.4
215977 2005 QR_{149}	15.2	X	225.22156	325.42731	55.81629	10.64855	0.1143850	0.18227854	3.0806736	20	5 16.5	19.9
215978 2005 QV_{179}	15.7	X	359.46536	242.46699	88.79951	7.15862	0.1000285	0.19707339	2.9244939	20	9 24.7	19.3
215979 2005 RD_{11}	14.9	X	257.72148	113.05840	215.10759	12.09502	0.0788578	0.17656879	3.1467344	20	4 20.1	19.6
215980 2005 RP_{22}	15.5	X	257.85782	129.43612	222.70361	6.47161	0.1724321	0.18026557	3.1035651	20	5 8.9	20.3
215981 2005 RR_{26}	16.4	X	321.19204	187.48453	162.54634	2.87621	0.2020718	0.19224043	2.9733057	20	8 1.7	19.4
215982 2005 SN_{27}	15.1	X	229.17401	146.28450	208.89995	14.93812	0.0737171	0.17427270	3.1743134	20	4 22.5	19.7
215983 2005 SC_{33}	15.8	X	262.20887	168.11086	177.85259	9.70855	0.0757977	0.17748359	3.1359123	20	5 20.2	20.4
215984 2005 SO_{37}	15.0	X	315.54504	247.13399	14.69866	9.17268	0.0476053	0.17407920	3.1766653	20	4 13.6	19.3
215985 2005 SH_{46}	15.3	X	224.94518	161.26949	208.05592	10.57280	0.0939803	0.17510599	3.1642349	20	5 4.1	20.0
215986 2005 SR_{48}	15.9	X	171.79313	98.39029	232.65462	2.40113	0.1106540	0.22581088	2.6707883	20	1 20.6	20.0
215987 2005 SW_{60}	15.6	X	352.03501	131.91292	167.70959	1.74466	0.1408818	0.18814812	3.0162647	20	7 25.4	19.0
215988 2005 ST_{70}	15.2	X	190.26467	157.52326	225.55184	9.81013	0.0719132	0.17222104	3.1994739	20	4 13.6	20.0
215989 2005 SK_{85}	15.5	X	310.71294	93.06924	190.16023	12.01096	0.0781279	0.17720357	3.1392151	20	5 2.9	19.7
215990 2005 SN_{119}	15.1	X	274.48610	185.73611	169.12791	18.48221	0.2094802	0.18199685	3.0838515	20	5 28.8	19.9
215991 2005 SZ_{125}	15.4	X	243.35494	311.38913	46.63987	9.23417	0.1044061	0.17739673	3.1369359	20	5 8.1	20.1
215992 2005 SS_{126}	16.1	X	343.47933	221.87256	25.66609	1.15676	0.1166479	0.17761625	3.1343507	20	4 29.7	20.0
215993 2005 SN_{163}	15.4	X	262.19392	286.66241	97.27307	11.98341	0.1715740	0.18408215	3.0605179	20	6 22.7	19.8
215994 2005 SJ_{166}	15.4	X	214.53569	283.63482	86.56313	9.42402	0.1775732	0.17424181	3.1746886	20	4 23.4	20.7
215995 2005 SR_{178}	15.9	X	242.60813	149.71258	206.53096	9.96402	0.1040341	0.17758654	3.1347003	20	5 6.0	20.6
215996 2005 SP_{185}	16.2	X	291.34277	150.13340	124.60950	0.92176	0.1580912	0.17494845	3.1661342	20	3 15.2	20.6
215997 2005 SH_{199}	16.0	X	229.83198	3.81225	358.05536	1.44022	0.0997835	0.17835945	3.1256377	20	4 28.4	20.8
215998 2005 SH_{201}	15.9	X	339.96013	73.15147	181.21849	5.64600	0.1319695	0.17847640	3.1242721	20	5 3.2	19.6
215999 2005 SV_{242}	15.2	X	133.64403	205.03201	174.20235	8.82725	0.1043670	0.16034406	3.3555790	20	2 14.1	20.2
216000 2005 SF_{258}	15.6	X	324.73170	200.20039	95.28350	2.93868	0.1427772	0.18230995	3.0803198	20	5 30.6	19.4