Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
244001 2001 SE_{39}	16.3	X	87.08496	268.72522	150.65149	4.26359	0.2171561	0.21552261	2.7551219	21	2 6.5	19.4
244002 2001 SC_{41}	16.4	X	148.13907	191.84152	151.56180	4.17112	0.2009597	0.21671838	2.7449781	21	1 13.4	20.7
244003 2001 SC_{45}	15.9	X	135.51663	337.80901	45.07204	5.26813	0.1456560	0.21960598	2.7208626	21	2 13.2	19.9
244004 2001 SV_{52}	16.0	X	143.29868	152.34420	186.23757	12.65646	0.0832058	0.21444012	2.7643860	21	—	—
244005 2001 SH_{59}	16.9	X	349.22876	303.10996	40.06327	5.81573	0.1841644	0.29408610	2.2395102	21	9 29.5	18.3
244006 2001 SB_{66}	15.1	X	160.63427	245.76983	198.75338	26.06427	0.2360021	0.17665798	3.1456752	21	5 29.6	20.8
244007 2001 SW_{77}	18.1	X	130.92263	131.29072	170.16250	3.96509	0.1925729	0.31164865	2.1545631	21	—	—
244008 2001 SE_{89}	17.1	X	125.25988	217.47314	209.89184	3.59113	0.1560285	0.27450634	2.3447748	21	3 20.5	20.1
244009 2001 SQ_{92}	15.8	X	234.53851	359.07556	345.41527	7.98417	0.0887397	0.18112645	3.0937233	21	4 4.6	20.6
244010 2001 SN_{98}	15.1	X	135.60771	191.05790	181.73494	18.84276	0.0758204	0.17027815	3.2237654	21	1 26.9	20.1
244011 2001 SH_{105}	16.6	X	172.55531	148.44254	226.45780	5.87123	0.1285945	0.27300338	2.3533726	21	2 28.3	20.1
244012 2001 SU_{114}	17.3	X	330.33686	210.63961	197.38267	4.83022	0.1418031	0.29884104	2.2156912	21	11 30.5	19.0
244013 2001 SY_{114}	15.3	X	268.50208	334.87689	24.27912	9.61227	0.1390003	0.18521625	3.0480119	21	5 24.5	19.9
244014 2001 SB_{117}	15.5	X	121.83848	212.25577	221.66593	8.35482	0.2079899	0.17487121	3.1670665	21	4 10.5	20.4
244015 2001 SQ_{119}	16.0	X	139.39799	18.10655	290.47505	4.48321	0.1785474	0.21382192	2.7697117	21	—	—
244016 2001 SD_{121}	16.1	X	127.98114	354.96718	321.00564	7.27342	0.2111250	0.21313241	2.7756821	21	—	—
244017 2001 SX_{121}	15.9	X	123.07176	66.32155	247.81864	5.11172	0.1269409	0.21148173	2.7901067	21	—	—
244018 2001 SL_{123}	15.2	X	232.24597	94.39919	204.40147	8.53624	0.1462302	0.17634796	3.1493609	21	2 5.0	20.4
244019 2001 SP_{131}	16.7	X	91.45192	109.15314	224.71420	1.29016	0.1716865	0.20924551	2.8099501	21	—	—
244020 2001 SY_{134}	16.1	X	251.94553	182.61688	189.60648	8.33253	0.0641289	0.18567596	3.0429788	21	6 3.1	20.6
244021 2001 SN_{146}	15.7	X	179.21341	180.23951	190.07892	23.54983	0.1264608	0.17526341	3.1623399	21	3 13.3	20.9
244022 2001 SS_{146}	15.8	X	93.28877	305.91106	102.50413	3.85467	0.0756897	0.21748549	2.7385197	21	1 11.7	19.3
244023 2001 SS_{150}	17.2	X	199.02164	67.63860	325.95962	3.50989	0.1934691	0.27910042	2.3189731	21	4 21.3	21.0
244024 2001 SK_{151}	17.4	X	93.48866	351.04078	340.78577	2.37363	0.1994293	0.30844066	2.1694766	21	—	—
244025 2001 SV_{162}	17.3	X	253.57503	9.00251	1.54217	2.65847	0.1552291	0.28410253	2.2916730	21	5 16.7	20.4
244026 2001 SF_{165}	15.6	X	130.54149	320.17021	24.43817	13.62853	0.1548066	0.21243846	2.7817235	21	—	—
244027 2001 SQ_{174}	17.2	X	244.53538	319.87683	24.75633	7.28491	0.1417357	0.28102985	2.3083469	21	4 5.2	20.7
244028 2001 SC_{180}	15.1	X	200.57312	3.33659	333.68243	15.67752	0.0843217	0.17776481	3.1326042	21	2 23.2	20.0
244029 2001 SC_{210}	16.2	X	224.79502	356.80243	14.54086	7.50700	0.1391394	0.18206809	3.0830471	21	4 25.0	21.2
244030 2001 SH_{215}	16.3	X	90.35267	204.40637	144.33292	7.24241	0.2299131	0.21023909	2.8010900	21	—	—
244031 2001 SX_{216}	16.1	X	72.71593	99.86570	176.97428	11.21206	0.0706956	0.19874656	2.9080573	21	10 11.9	20.2
244032 2001 SW_{218}	17.4	X	0.93139	278.23318	20.85028	3.89606	0.1607972	0.29228769	2.2486871	21	8 8.1	18.9
244033 2001 SG_{237}	16.9	X	166.47031	19.20015	42.91947	9.26458	0.1873090	0.27713792	2.3299079	21	4 30.4	20.5
244034 2001 SN_{238}	16.9	X	192.47260	253.30906	91.31762	3.08073	0.2417991	0.27326652	2.3518616	21	2 18.6	20.8
244035 2001 SZ_{240}	17.4	X	139.77553	329.88101	58.42862	2.62011	0.1957646	0.27008061	2.3703207	21	2 22.1	20.7
244036 2001 SW_{242}	16.7	X	83.77404	204.49498	152.10362	3.39080	0.1616903	0.20878232	2.8141046	21	—	—
244037 2001 SG_{258}	15.8	X	165.28684	288.40963	179.84071	20.26762	0.1088765	0.18686950	3.0300080	21	6 26.3	20.9
244038 2001 SU_{275}	16.7	X	87.86087	318.21884	100.38911	7.33686	0.2456836	0.26320871	2.4113998	21	1 31.9	18.9
244039 2001 ST_{288}	16.7	X	119.27384	183.93945	247.32407	6.08539	0.2370685	0.27137020	2.3628053	21	3 28.3	20.0
244040 2001 SL_{298}	16.1	X	226.87002	29.88048	348.29884	8.67433	0.1521851	0.18367577	3.0650305	21	5 2.6	21.2
244041 2001 SD_{328}	15.5	X	313.67201	305.36347	29.87267	10.18001	0.0438838	0.19003737	2.9962408	21	7 9.3	19.7
244042 2001 SQ_{333}	15.4	X	351.83840	228.29551	15.86116	9.78758	0.0373743	0.18128110	3.0919635	21	5 1.4	19.6
244043 2001 SZ_{335}	16.4	X	345.04919	300.91389	328.15163	2.13410	0.0976461	0.18774172	3.0206160	21	5 21.4	20.1
244044 2001 SV_{344}	15.4	X	242.90396	284.34632	90.55339	16.94344	0.2392511	0.18432133	3.0578698	21	5 14.9	20.7
244045 2001 SH_{348}	15.5	X	173.03732	172.44579	247.32603	9.13200	0.0712373	0.18033160	3.1028074	21	5 3.5	20.3
244046 2001 SU_{354}	15.2	X	285.99577	74.97728	254.69917	10.04819	0.0546797	0.18359690	3.0659082	21	5 22.3	19.5
244047 2001 TK_{6}	15.5	X	328.59389	278.95408	45.11058	10.35596	0.1044793	0.18897290	3.0074819	21	7 9.9	19.4
244048 2001 TB_{9}	16.6	X	257.66652	63.90561	335.97753	5.50991	0.1523370	0.28560465	2.2836307	21	7 3.5	19.7
244049 2001 TL_{13}	17.2	X	108.60693	90.38124	227.93365	5.33678	0.3420688	0.31011950	2.1616398	21	—	—
244050 2001 TV_{25}	16.9	X	307.56175	67.68777	256.63378	3.19690	0.1593904	0.28642291	2.2792793	21	5 22.8	19.3
244051 2001 TJ_{26}	16.6	X	144.91168	67.37388	256.27562	4.08433	0.1190029	0.26290096	2.4132812	21	—	—
244052 2001 TX_{29}	15.5	X	301.37756	71.46239	254.71533	5.43153	0.1670038	0.18611406	3.0382017	21	5 21.3	19.5
244053 2001 TJ_{47}	16.7	X	121.25180	22.99222	91.33373	7.25650	0.2196327	0.27571903	2.3378944	21	5 28.2	20.0
244054 2001 TM_{68}	16.2	X	355.34856	201.52584	208.89703	9.80929	0.1527235	0.25065590	2.4912506	21	—	—
244055 2001 TR_{77}	15.3	X	218.39024	329.41529	53.62830	22.15265	0.2013824	0.17897696	3.1184441	21	5 4.6	20.6
244056 2001 TT_{77}	15.2	X	284.38311	174.00455	201.54152	15.93020	0.1089513	0.18629800	3.0362015	21	7 8.3	19.7
244057 2001 TV_{80}	16.9	X	298.12748	190.96553	242.07557	6.62509	0.0717002	0.29927480	2.2135497	21	11 6.8	19.0
244058 2001 TV_{83}	17.0	X	69.80141	50.66990	268.80822	4.92635	0.1708155	0.30403740	2.1903728	21	12 29.3	20.1
244059 2001 TN_{88}	15.5	X	265.41326	166.08956	214.56055	8.79995	0.0918240	0.18710770	3.0274358	21	6 25.1	19.9
244060 2001 TJ_{90}	15.5	X	260.31702	348.56218	348.38502	10.92456	0.1875965	0.18238685	3.0794539	21	4 11.3	20.4
244061 2001 TW_{92}	15.7	X	219.21332	25.39150	0.65700	10.76611	0.1006791	0.18096878	3.0955200	21	5 7.4	20.6
244062 2001 TB_{109}	17.2	X	146.20121	183.25257	267.19926	4.96822	0.1859979	0.27679287	2.3318438	21	5 16.9	20.6
244063 2001 TJ_{110}	15.1	X	222.88242	141.88542	254.28048	9.31002	0.0523350	0.18136484	3.0910117	21	5 30.7	19.6
244064 2001 TW_{117}	15.9	X	152.33077	70.46344	272.90668	14.65197	0.2302141	0.21804772	2.7338101	21	1 17.8	20.3
244065 2001 TZ_{118}	14.5	X	178.40026	133.53300	240.24946	21.80722	0.2219617	0.17451063	3.1714275	21	3 13.8	20.3
244066 2001 TR_{129}	15.8	X	39.51921	114.90169	198.62575	10.77409	0.0984078	0.19805744	2.9147990	21	10 17.9	19.5
244067 2001 TD_{130}	15.8	X	328.53776	139.61802	209.30586	10.10981	0.1165725	0.19095824	2.9866004	21	8 7.2	19.6
244068 2001 TM_{134}	16.2	X	348.32962	94.20100	317.09927	10.40178	0.2004898	0.25272671	2.4776234	21	—	—
244069 2001 TZ_{148}	16.7	X	86.87106	8.90836	90.74660	5.30883	0.1705338	0.27005276	2.3704837	21	3 18.5	19.2
244070 2001 TK_{158}	15.2	X	140.16776	53.40958	352.86151	27.39297	0.2459829	0.17460715	3.1702587	21	3 24.5	20.6
244071 2001 TT_{168}	16.6	X	143.32265	100.92869	7.04918	12.72640	0.1225788	0.27686183	2.3314566	21	5 29.4	20.1
244072 2001 TM_{179}	17.2	X	292.38018	203.94648	245.50730	4.02035	0.0377063	0.29886942	2.2155509	21	11 25.0	19.4
244073 2001 TN_{180}	15.5	X	211.77369	179.25493	242.10297	8.83243	0.0922480	0.18305545	3.0719509	21	6 16.2	20.1
244074 2001 TC_{183}	15.1	X	157.21475	27.39913	18.09956	14.83856	0.2264301	0.17286490	3.1915244	21	4 10.3	20.4
244075 2001 TQ_{200}	15.2	X	210.75686	326.34969	69.67420	10.98410	0.0822772	0.18204061	3.0833573	21	5 16.5	19.8
244076 2001 TK_{210}	15.8	X	178.62990	351.98312	312.39760	8.92779	0.2042196	0.21782331	2.7356875	21	—	—
244077 2001 TM_{216}	15.4	X	308.31439	30.06384	348.22698	12.66194	0.1093881	0.19000297	2.9966024	21	8 21.6	19.2
244078 2001 TE_{231}	16.7	X	184.47097	290.65708	147.95860	9.12635	0.1986031	0.28173419	2.3044980	21	6 8.5	20.6
244079 2001 TU_{237}	15.8	X	165.66870	273.70944	162.56191	11.17636	0.1551652	0.17922869	3.1155235	21	5 23.1	21.0
244080 2001 TO_{238}	17.1	X	300.15819	286.45671	108.01578	7.59483	0.1472555	0.29396325	2.2401341	21	9 4.7	19.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
244081 2001 UY_5	15.2	X	237.11336	273.53869	76.14157	15.39602	0.2343705	0.17698101	3.1418463	21	4 13.7	20.7
244082 2001 UD_{21}	17.0	X	235.27810	39.79924	265.87065	5.54468	0.1927653	0.32619829	2.0900095	21	1 26.9	20.2
244083 2001 UD_{22}	15.7	X	170.65585	69.70051	267.99418	7.17674	0.1849971	0.21987391	2.7186518	21	1 24.3	20.2
244084 2001 UG_{33}	16.8	X	103.12724	2.27842	58.82884	13.85852	0.2061159	0.26723811	2.3870991	21	2 28.6	19.9
244085 2001 UE_{47}	15.3	X	182.18841	320.12171	71.03582	5.06127	0.2543865	0.17527155	3.1622419	21	4 15.4	20.9
244086 2001 UO_{50}	15.5	X	119.66872	248.99744	99.77428	9.33725	0.2999778	0.21190869	2.7863577	21	1 4.3	19.5
244087 2001 UH_{52}	17.3	X	291.14182	309.27864	51.90833	4.00313	0.1796620	0.28718557	2.2752422	21	6 17.9	19.8
244088 2001 UJ_{54}	15.2	X	99.02021	42.48876	301.40401	12.36372	0.1073367	0.20974137	2.8055197	21	—	—
244089 2001 UT_{63}	15.3	X	166.47211	228.97537	228.70049	10.81412	0.0408211	0.18133140	3.0913917	21	6 12.4	19.9
244090 2001 UC_{68}	15.5	X	14.17265	29.86895	196.06808	11.27850	0.0252709	0.17964905	3.1106616	21	5 12.8	19.8
244091 2001 UM_{77}	15.6	X	104.19128	307.26373	65.18377	9.09328	0.1684702	0.21065475	2.7974042	21	—	—
244092 2001 UV_{78}	16.0	X	312.05910	143.11560	191.79267	9.87525	0.1125933	0.18684015	3.0303253	21	6 25.7	20.0
244093 2001 UM_{82}	15.1	X	14.93300	199.80318	56.43579	13.85182	0.0731252	0.18221800	3.0813559	21	6 21.3	19.1
244094 2001 UK_{97}	16.7	X	54.24570	78.48506	55.05990	7.02279	0.0606181	0.27111441	2.3642913	21	2 27.2	19.4
244095 2001 UZ_{100}	16.7	X	186.67329	196.26198	121.86615	1.97846	0.1933871	0.21997548	2.7178149	21	1 17.1	21.0
244096 2001 US_{118}	15.4	X	250.57234	161.50082	204.58685	10.17572	0.1483640	0.18108430	3.0942033	21	5 15.7	20.3
244097 2001 UN_{121}	16.5	X	159.53754	238.16921	67.21415	5.75946	0.1061480	0.26023687	2.4297234	21	—	—
244098 2001 UE_{141}	17.6	X	165.05913	6.21610	75.43763	3.33713	0.1637805	0.27817495	2.3241137	21	5 23.4	21.2
244099 2001 UE_{143}	16.2	X	122.14991	272.49083	76.31569	5.40978	0.0784411	0.21102366	2.7941429	21	—	—
244100 2001 UW_{146}	15.5	X	256.34057	308.67144	68.58343	6.63353	0.1680814	0.18322492	3.0700564	21	6 1.3	20.2
244101 2001 UN_{147}	16.5	X	112.19001	197.30753	173.83131	4.59017	0.0832408	0.21305364	2.7763662	21	—	—
244102 2001 UN_{150}	15.3	X	173.54485	219.90523	228.43199	14.50475	0.1671426	0.17776289	3.1326267	21	6 11.3	20.6
244103 2001 UV_{171}	17.6	X	172.46069	217.68408	219.80139	4.09479	0.1983348	0.27726819	2.3291780	21	5 26.4	21.2
244104 2001 UP_{184}	15.6	X	303.46180	248.82080	26.79153	24.47369	0.0485785	0.17723331	3.1388638	21	4 10.6	19.9
244105 2001 UW_{186}	16.1	X	112.07863	177.15292	239.19906	10.52208	0.0785705	0.22011824	2.7166396	21	2 10.8	20.0
244106 2001 UL_{189}	15.5	X	138.75597	18.48805	293.06835	11.43849	0.1411649	0.21230740	2.7828681	21	—	—
244107 2001 UD_{195}	16.2	X	69.32127	239.31470	50.61665	4.64945	0.1109850	0.19848598	2.9106020	21	10 28.8	20.3
244108 2001 UW_{204}	15.5	X	145.39982	197.76839	237.51156	8.04259	0.0741554	0.17487514	3.1670189	21	4 23.0	20.3
244109 2001 UX_{213}	15.5	X	121.94401	249.27835	200.68521	10.90125	0.0842641	0.17427749	3.1742553	21	4 17.5	20.0
244110 2001 UC_{220}	15.7	X	181.17728	134.17164	211.04835	12.12691	0.0896056	0.16876041	3.2430651	21	2 11.3	20.9
244111 2001 UV_{225}	16.1	X	331.27379	232.82356	49.49682	10.88048	0.0658159	0.18390471	3.0624863	21	5 20.9	20.1
244112 2001 UH_{227}	16.3	X	313.97283	178.75344	177.22819	11.53898	0.0799521	0.19042363	2.9921876	21	7 29.7	20.3
244113 2001 VU_3	16.1	X	44.49431	82.48104	24.62450	8.35050	0.1549508	0.21383986	2.7695568	21	1 22.3	19.1
244114 2001 VX_3	16.6	X	99.97624	130.51176	260.62962	3.09294	0.2110711	0.21210974	2.7845967	21	1 19.4	20.1
244115 2001 VG_4	16.0	X	347.95130	73.78390	243.52688	21.11885	0.3749301	0.29069564	2.2568899	21	7 11.9	16.8
244116 2001 VE_7	15.4	X	264.88203	167.27095	225.29763	20.47103	0.0628362	0.18553536	3.0445159	21	7 9.6	20.1
244117 2001 VU_{10}	15.7	X	105.17283	189.34156	232.95259	16.58354	0.2262224	0.21773670	2.7364128	21	3 1.3	19.8
244118 2001 VU_{13}	15.2	X	240.27813	77.24910	250.24993	24.06348	0.3265683	0.17728195	3.1382898	21	2 27.3	21.3
244119 2001 VH_{16}	15.2	X	238.78729	110.05527	257.72230	9.56614	0.1246615	0.18040027	3.1020200	21	5 5.5	20.2
244120 2001 VP_{23}	16.9	X	135.02545	115.44161	245.09056	4.54320	0.1716785	0.31424750	2.1426677	21	—	—
244121 2001 VX_{35}	17.0	X	247.81717	349.86172	57.33133	4.20948	0.1770750	0.28369659	2.2938586	21	6 28.1	20.1
244122 2001 VV_{40}	16.1	X	9.93772	17.54335	71.01882	7.95095	0.1068777	0.20455010	2.8527886	21	—	—
244123 2001 VE_{41}	14.8	X	170.22247	158.26773	254.56174	15.14327	0.1057925	0.17222000	3.1994868	21	4 22.0	20.0
244124 2001 VV_{42}	15.8	X	308.55589	123.05783	261.69696	6.28763	0.1399491	0.23858095	2.5746145	21	8 24.6	18.7
244125 2001 VG_{43}	15.9	X	110.17640	305.40058	79.45771	9.35537	0.2622533	0.21226730	2.7832186	21	2 3.9	19.9
244126 2001 VK_{44}	15.8	X	123.38176	129.89329	246.71101	13.66663	0.3829237	0.21425505	2.7659777	21	2 12.7	20.6
244127 2001 VA_{46}	16.5	X	312.30525	127.07456	250.46755	5.85814	0.2227843	0.28898795	2.2657721	21	8 12.8	18.4
244128 2001 VQ_{57}	16.8	X	219.14326	49.91743	40.62316	6.30207	0.1414803	0.28441534	2.2899924	21	7 31.8	20.2
244129 2001 VE_{58}	15.7	X	85.45986	126.07513	243.39555	6.54272	0.2419260	0.20916289	2.8106901	21	—	—
244130 2001 VJ_{62}	15.3	X	223.73842	136.70327	239.68926	10.08467	0.1003014	0.17801411	3.1296788	21	5 3.2	20.2
244131 2001 VO_{62}	16.9	X	196.50330	155.79057	277.06944	2.86930	0.1251224	0.28064223	2.3104719	21	6 11.6	20.3
244132 2001 VN_{65}	16.8	X	125.29756	107.70329	280.52918	3.44976	0.2378601	0.26597031	2.3946788	21	2 9.6	20.0
244133 2001 VF_{82}	14.4	X	168.39477	157.71937	216.43730	26.83149	0.1434690	0.17393001	3.1784816	21	3 4.5	19.9
244134 2001 VE_{100}	16.5	X	265.64989	4.46750	61.18314	28.59121	0.1859661	0.28774743	2.2722795	21	9 1.2	20.1
244135 2001 VP_{102}	16.1	X	139.18352	300.67677	30.07681	4.79365	0.0884117	0.20990218	2.8040865	21	—	—
244136 2001 VW_{103}	16.3	X	338.31052	69.15716	278.02457	2.47292	0.1884410	0.19091636	2.9870371	21	8 20.6	19.4
244137 2001 VW_{118}	15.5	X	275.91018	95.61157	267.52361	7.92884	0.1088181	0.18246327	3.0785939	21	6 13.9	19.9
244138 2001 VR_{124}	17.5	X	201.53848	257.89894	199.82443	2.33649	0.1190304	0.28347883	2.2950331	21	7 20.8	20.8
244139 2001 VT_{124}	15.5	X	331.68206	262.76066	77.78710	10.61167	0.2277620	0.18831949	3.0144346	21	7 26.3	18.6
244140 2001 VZ_{132}	15.5	X	238.11620	95.86181	259.32945	13.43558	0.1185716	0.17624934	3.1505355	21	4 18.0	20.5
244141 2001 WV	15.0	X	273.14775	107.75993	239.72585	8.52585	0.0883599	0.18011497	3.1052949	21	5 24.5	19.5
244142 2001 WY	17.4	X	64.69140	254.01358	258.68783	4.63905	0.1005370	0.27047605	2.3680098	21	4 11.5	20.0
244143 2001 WH_5	17.6	X	72.56933	273.61812	71.16833	4.41881	0.1731275	0.30362452	2.1923581	21	—	—
244144 2001 WG_{15}	17.1	X	177.23721	148.48166	309.56437	22.24862	0.1211981	0.37720840	1.8970633	21	6 17.8	19.9
244145 2001 WU_{18}	15.1	X	208.31247	109.99320	229.41864	14.40230	0.0905743	0.17214154	3.2004589	21	2 28.9	20.3
244146 2001 WD_{24}	17.3	X	115.95076	317.24581	262.88504	2.76658	0.0988041	0.29350616	2.2424593	21	9 30.2	20.4
244147 2001 WX_{24}	15.4	X	63.70519	109.67432	237.20901	10.52229	0.2467348	0.20229377	2.8739622	21	—	—
244148 2001 WQ_{32}	15.5	X	194.87034	298.87426	105.35341	4.91013	0.0714544	0.17653555	3.1471294	21	5 10.6	20.3
244149 2001 WH_{33}	15.7	X	310.54808	189.96778	222.26453	8.34478	0.0853913	0.19311894	2.9642817	21	10 7.5	19.5
244150 2001 WW_{38}	16.6	X	121.66642	357.46205	84.30089	12.06061	0.2044438	0.26952781	2.3735606	21	4 18.7	20.1
244151 2001 WZ_{44}	15.0	X	154.34842	18.26594	85.88563	19.31061	0.0579645	0.17915373	3.1163925	21	6 8.6	19.6
244152 2001 WG_{56}	16.9	X	10.80473	108.66629	9.64969	2.24479	0.1525331	0.25977223	2.4326198	21	—	—
244153 2001 WN_{58}	16.5	X	23.82820	78.69938	30.60017	5.58405	0.0381659	0.21193465	2.7861302	21	—	—
244154 2001 WH_{61}	15.7	X	175.70117	115.97099	248.40420	8.75350	0.0359772	0.16848666	3.2465769	21	2 25.1	20.6
244155 2001 WJ_{65}	15.2	X	154.61511	234.54128	213.73303	15.18823	0.0278624	0.17910384	3.1169712	21	5 17.6	19.7
244156 2001 WR_{82}	15.5	X	296.25249	114.45012	206.43640	4.20479	0.1646630	0.18193546	3.0845452	21	5 8.9	19.6
244157 2001 WR_{90}	15.4	X	156.51037	288.11637	21.10524	11.98234	0.1602038	0.21061000	2.7978004	21	—	—
244158 2001 WE_{101}	18.0	X	152.89501	51.68189	44.99831	1.96224	0.1422839	0.27675487	2.3320572	21	5 29.3	21.3
244159 2001 WN_{103}	15.4	X	160.39599	337.72164	100.52702	10.42500	0.0725415	0.17565697	3.1576146	21	5 16.9	20.2
244160 2001 XC_8	16.6	X	276.18673	301.81950	96.22193	25.54480	0.2174893	0.28786914	2.2716390	21	7 14.1	19.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
244161 2001 XK_{8}	14.9	X	139.38903	171.95978	270.48947	16.68592	0.1288486	0.17244672	3.1966819	21	4 27.8	20.1
244162 2001 XQ_{15}	16.7	X	298.50849	171.75374	249.76703	5.10027	0.1746538	0.29248021	2.2477002	21	10 4.8	18.5
244163 2001 XX_{15}	16.1	X	334.51140	232.50751	192.70136	2.57935	0.1829031	0.24724668	2.5140991	21	12 20.9	18.4
244164 2001 XV_{29}	16.4	X	246.49840	177.38272	253.49600	7.58267	0.2497477	0.28341450	2.2953804	21	7 19.1	19.9
244165 2001 XR_{44}	16.8	X	288.10863	332.18929	48.90314	10.53775	0.2058578	0.28469381	2.2884989	21	7 10.1	19.6
244166 2001 XA_{47}	14.8	X	357.32026	35.40357	333.30511	11.52800	0.3009802	0.24290465	2.5439710	21	11 27.9	17.1
244167 2001 XE_{61}	16.9	X	106.92125	195.71050	260.48766	4.49428	0.1175485	0.26880642	2.3778053	21	3 29.4	19.8
244168 2001 XS_{78}	15.7	X	256.25437	333.25621	111.74314	5.07872	0.0981480	0.18776380	3.0203792	21	9 6.2	19.9
244169 2001 XK_{81}	16.5	X	158.10426	330.21638	230.87466	6.55529	0.1777547	0.28953472	2.2629187	21	10 20.2	20.1
244170 2001 XV_{84}	16.6	X	130.52083	171.66646	18.94989	4.31201	0.0822161	0.28566209	2.2833245	21	9 7.9	19.6
244171 2001 XA_{89}	15.1	X	83.73809	318.08663	246.76993	15.66791	0.0658560	0.18309044	3.0715596	21	7 17.8	19.6
244172 2001 XS_{90}	17.1	X	96.57681	63.19596	351.57137	2.21440	0.1760078	0.26432388	2.4046126	21	1 28.8	19.5
244173 2001 XZ_{90}	15.5	X	358.44338	72.75422	278.02433	5.53837	0.1491855	0.19318228	2.9636337	21	10 3.3	18.8
244174 2001 XH_{120}	16.8	X	117.96543	344.36316	103.85725	4.15651	0.1711093	0.27211483	2.3584929	21	4 14.4	19.9
244175 2001 XK_{125}	17.8	X	128.01400	10.45449	101.85094	3.31001	0.1664988	0.27443702	2.3451696	21	5 26.5	21.0
244176 2001 XJ_{127}	17.5	X	209.62036	188.98470	239.78690	3.69383	0.1035249	0.28108501	2.3080449	21	6 21.3	20.7
244177 2001 XA_{134}	16.6	X	50.17275	220.69904	235.01011	3.14960	0.1684716	0.21058625	2.7980108	21	1 15.6	19.6
244178 2001 XX_{139}	17.0	X	107.67753	28.87207	88.00674	3.23661	0.1314009	0.27113502	2.3641715	21	5 3.9	20.0
244179 2001 XF_{150}	17.1	X	125.50892	357.33396	73.94150	2.50564	0.1600270	0.26852859	2.3794451	21	3 29.7	20.2
244180 2001 XC_{151}	17.2	X	173.09932	331.13985	93.87480	6.02551	0.2116247	0.27480718	2.3430632	21	5 12.7	21.1
244181 2001 XE_{180}	14.8	X	270.60001	98.24343	271.76662	17.69302	0.2691877	0.18054287	3.1003863	21	5 26.0	19.7
244182 2001 XS_{202}	17.5	X	144.44058	320.82922	132.92277	3.59736	0.2059287	0.27490649	2.3424988	21	5 22.9	21.1
244183 2001 XQ_{203}	15.1	X	140.25193	352.19736	85.36067	19.86019	0.1235148	0.17184862	3.2040947	21	5 4.1	20.3
244184 2001 XR_{205}	15.5	X	152.55767	226.71005	211.22299	6.67462	0.1652648	0.17287808	3.1913622	21	5 12.1	20.6
244185 2001 XG_{206}	15.1	X	230.41595	156.44591	240.93186	14.54660	0.1486368	0.17937595	3.1138181	21	6 2.0	20.0
244186 2001 XV_{215}	17.4	X	154.03346	247.07375	81.19486	2.20805	0.2090315	0.31202286	2.1528401	21	—	—
244187 2001 XP_{244}	17.1	X	143.50901	112.13618	268.69997	5.75668	0.1389532	0.26747600	2.3856835	21	2 6.6	20.3
244188 2001 XS_{244}	16.4	X	89.30563	112.77627	295.94670	3.20519	0.0687144	0.21224370	2.7834249	21	1 6.9	19.8
244189 2001 XS_{247}	17.0	X	122.40416	208.29277	283.27147	3.08248	0.2316615	0.27353358	2.3503306	21	6 21.9	20.6
244190 2001 XP_{267}	15.7	X	241.05025	198.03032	87.08227	9.10843	0.0649321	0.21059648	2.7979202	21	1 31.8	19.9
244191 2001 YG_{13}	15.6	X	275.84155	257.30058	77.55040	26.74168	0.2492525	0.18027588	3.1034467	21	5 2.6	20.7
244192 2001 YR_{22}	16.8	X	205.15235	0.67910	50.82478	6.62295	0.0891050	0.27838833	2.3229259	21	5 23.6	20.1
244193 2001 YJ_{24}	16.8	X	277.92002	104.28662	289.97746	4.88003	0.1318485	0.28652548	2.2787353	21	7 25.8	19.2
244194 2001 YW_{34}	15.2	X	147.06616	169.06578	264.35852	4.94856	0.0619717	0.17126746	3.2113390	21	4 21.4	20.0
244195 2001 YP_{35}	15.3	X	225.48735	322.75121	57.18366	10.09407	0.1291114	0.17638570	3.1489116	21	5 9.1	20.2
244196 2001 YQ_{40}	16.6	X	144.72952	328.37780	276.69974	6.48991	0.1183285	0.29465532	2.2366251	21	12 4.9	19.8
244197 2001 YC_{44}	15.5	X	237.46478	295.44335	72.06182	9.73682	0.0872910	0.17529061	3.1620128	21	5 10.5	20.2
244198 2001 YP_{85}	16.7	X	248.31612	319.68184	80.60612	6.57934	0.1824067	0.28053163	2.3110792	21	6 18.4	19.9
244199 2001 YE_{89}	16.7	X	17.72418	202.08581	287.10820	7.74982	0.2073813	0.25704703	2.4497832	21	—	—
244200 2001 YU_{99}	15.3	X	55.58959	152.63433	247.87462	7.28144	0.1494678	0.15466197	3.4372703	21	—	—
244201 2001 YL_{102}	16.8	X	100.25106	266.16865	105.98087	4.36679	0.2511631	0.25870743	2.4392901	21	—	—
244202 2001 YV_{120}	17.3	X	47.21714	260.16927	258.43377	3.90922	0.1672571	0.26412439	2.4058232	21	3 27.0	19.3
244203 2001 YJ_{130}	16.4	X	314.45121	98.55255	305.54360	11.49278	0.1670513	0.23993306	2.5649327	21	9 26.8	19.2
244204 2001 YH_{141}	16.9	X	289.29856	220.22686	168.68622	6.58258	0.1761491	0.28787181	2.2716249	21	7 27.0	19.3
244205 2001 YL_{144}	16.6	X	66.45793	133.40509	104.12079	7.64069	0.0664822	0.27971159	2.3155939	21	8 18.6	19.3
244206 2001 YB_{160}	16.6	X	326.10552	348.53318	55.43380	15.03197	0.2630660	0.24190080	2.5510042	21	10 30.2	18.3
244207 2002 AW_{7}	16.7	X	304.85931	219.05503	118.60577	10.22598	0.2510548	0.28040248	2.3117888	21	5 25.7	19.5
244208 2002 AY_{7}	17.9	X	94.31917	266.64583	240.45379	1.44204	0.1426280	0.27000177	2.3707821	21	5 29.3	20.7
244209 2002 AO_{15}	16.0	X	305.90797	100.37394	298.44928	12.56305	0.1868501	0.24088242	2.5581891	21	8 31.3	18.9
244210 2002 AW_{22}	17.3	X	87.21330	254.79910	252.40750	4.08765	0.1656636	0.26821766	2.3812837	21	5 22.9	20.1
244211 2002 AV_{24}	16.6	X	92.85780	260.46887	239.58746	6.30067	0.0341447	0.26882099	2.3777194	21	4 28.2	19.4
244212 2002 AV_{44}	17.2	X	97.64563	20.66033	134.75463	3.20028	0.1346909	0.27140466	2.3626053	21	6 13.7	20.2
244213 2002 AP_{46}	16.7	X	272.84153	86.44468	271.30431	4.10742	0.1299659	0.27700166	2.3306719	21	5 26.4	19.5
244214 2002 AW_{49}	17.4	X	103.75783	158.54836	299.20961	4.36758	0.1970180	0.26589782	2.3951140	21	4 9.2	20.4
244215 2002 AC_{50}	17.0	X	134.81578	309.86676	279.27406	4.57742	0.1136499	0.28577670	2.2827140	21	11 1.6	20.5
244216 2002 AH_{76}	17.6	X	65.81890	169.73976	330.15199	2.51219	0.1758161	0.26524200	2.3990604	21	4 7.2	19.7
244217 2002 AS_{79}	17.5	X	35.64239	230.49264	320.51440	2.61649	0.1206987	0.26752712	2.3853796	21	4 19.7	19.7
244218 2002 AA_{93}	17.8	X	26.88780	57.11126	215.29988	9.52360	0.2106928	0.27138729	2.3627061	21	8 21.4	20.1
244219 2002 AV_{106}	16.7	X	231.90330	327.92806	110.76823	5.53409	0.1084498	0.28086654	2.3092416	21	7 31.9	19.8
244220 2002 AJ_{144}	17.1	X	294.07150	275.07080	121.16079	22.43506	0.2123218	0.28650939	2.2788206	21	8 12.0	19.4
244221 2002 AR_{157}	17.1	X	177.78204	313.17797	136.14040	2.34489	0.0947668	0.27374404	2.3491258	21	6 13.9	20.5
244222 2002 AX_{161}	16.3	X	56.73175	250.64610	301.09543	6.32601	0.0612077	0.26874713	2.3781550	21	5 22.0	19.1
244223 2002 AY_{176}	15.1	X	86.17174	92.41843	127.94831	25.61634	0.2549582	0.17296265	3.1903218	21	9 11.8	20.3
244224 2002 AW_{177}	16.8	X	141.81984	326.84445	124.46324	7.12325	0.0934789	0.26848937	2.3796768	21	5 8.5	20.1
244225 2002 BJ_{1}	16.6	X	34.70474	84.65733	101.33674	7.77002	0.1896694	0.26356718	2.4092128	21	4 21.4	18.6
244226 2002 BB_{3}	16.0	X	248.60046	130.73791	354.61917	14.30637	0.1300274	0.23839939	2.5759215	21	10 12.8	19.7
244227 2002 BD_{18}	15.5	X	0.81830	65.82829	13.27012	7.98680	0.1940141	0.19910179	2.9045973	21	—	—
244228 2002 BG_{22}	16.5	X	301.96926	320.76766	68.08057	7.69766	0.1109888	0.28414136	2.2914642	21	9 5.2	18.9
244229 2002 CZ_{15}	15.7	X	250.71112	182.95003	326.00750	4.92031	0.1187307	0.18766554	3.0214334	21	11 11.4	20.1
244230 2002 CO_{20}	16.7	X	90.47151	323.12466	213.27796	5.92677	0.0495509	0.27132550	2.3630648	21	6 19.7	19.6
244231 2002 CH_{47}	17.1	X	53.39992	27.77292	170.76987	2.51027	0.1466899	0.26869337	2.3784722	21	6 10.3	19.4
244232 2002 CX_{60}	16.4	X	304.69630	307.92100	70.03596	7.53789	0.1238085	0.28187569	2.3037268	21	8 20.9	18.8
244233 2002 CU_{68}	17.4	X	32.79089	0.58502	113.36252	1.76993	0.1723707	0.25663841	2.4523829	21	—	—
244234 2002 CP_{69}	15.6	X	11.89026	271.80845	317.41148	12.89540	0.1660243	0.21546023	2.7556537	21	5 3.2	18.8
244235 2002 CX_{69}	16.7	X	47.16321	100.90059	117.46863	6.96718	0.0724361	0.27124162	2.3635520	21	6 18.7	19.2
244236 2002 CC_{74}	16.7	X	84.67670	165.34767	113.50497	5.96421	0.0859934	0.28480417	2.2879076	21	11 12.8	19.7
244237 2002 CP_{76}	17.0	X	142.26819	104.77985	324.01245	2.85878	0.1064354	0.26537120	2.3982817	21	4 6.1	20.2
244238 2002 CK_{77}	17.4	X	64.67282	6.09309	114.47300	2.92425	0.1673296	0.26093591	2.4253820	21	3 8.8	19.5
244239 2002 CS_{85}	16.5	X	282.36392	298.92174	343.40484	5.62164	0.1104089	0.26270107	2.4145053	21	3 1.2	19.7
244240 2002 CH_{103}	15.6	X	311.56619	20.51259	95.23145	3.56364	0.1347143	0.19190860	2.9767321	21	12 28.4	19.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
244241 2002 CL_{110}	16.7	X	55.81359	12.24611	150.91771	9.98292	0.1018925	0.26260614	2.4150871	21	4 19.2	19.4
244242 2002 CU_{113}	16.9	X	331.19169	96.00049	93.43164	3.51533	0.1230032	0.25521764	2.4614759	21	—	—
244243 2002 CD_{117}	17.0	X	78.77779	15.49184	148.27725	9.06964	0.0524720	0.26772509	2.3842035	21	5 18.6	20.0
244244 2002 CW_{119}	16.0	X	278.75610	289.40584	276.17685	4.09626	0.0762637	0.25182509	2.4835336	21	—	—
244245 2002 CC_{120}	16.8	X	100.40222	195.94770	290.57313	3.55413	0.0952762	0.26763994	2.3847093	21	4 29.3	19.7
244246 2002 CW_{120}	17.1	X	45.50685	253.74827	290.98372	3.08554	0.1549536	0.26601855	2.3943893	21	5 3.5	19.3
244247 2002 CC_{130}	16.5	X	3.07748	296.32123	303.23918	6.32875	0.0767195	0.26605161	2.3941909	21	5 1.6	19.2
244248 2002 CB_{143}	17.0	X	222.78919	262.44270	130.15616	3.11580	0.1995651	0.27542400	2.3395636	21	5 13.8	20.8
244249 2002 CQ_{153}	16.2	X	37.13668	25.82594	320.47446	2.96983	0.1518140	0.18956592	3.0012065	21	11 30.3	20.2
244250 2002 CM_{162}	15.0	X	78.91745	116.43554	128.71036	20.72149	0.2120679	0.17567866	3.1573547	21	10 1.5	20.0
244251 2002 CP_{172}	15.4	X	307.64885	320.55888	111.72767	10.75113	0.0766722	0.18654897	3.0334777	21	11 4.2	19.5
244252 2002 CF_{173}	16.8	X	50.53470	59.39841	109.32616	4.71800	0.1299978	0.26299930	2.4126796	21	4 19.9	19.1
244253 2002 CP_{183}	15.2	X	329.42458	33.05851	317.64359	8.27738	0.1492362	0.17948811	3.1125208	21	8 11.2	18.8
244254 2002 CR_{199}	17.1	X	20.16351	44.83037	114.58621	2.24968	0.1372533	0.25843027	2.4410338	21	2 3.5	19.5
244255 2002 CB_{204}	17.5	X	19.06397	128.77196	81.35366	2.35462	0.1274152	0.26397526	2.4067292	21	4 19.5	19.6
244256 2002 CT_{220}	17.1	X	359.19078	42.56696	135.06364	3.96322	0.1193313	0.25578022	2.4578653	21	1 25.5	19.9
244257 2002 CL_{222}	17.7	X	177.23774	74.33501	92.52193	0.74590	0.0648888	0.28271633	2.2991578	21	9 29.6	20.7
244258 2002 CD_{226}	16.2	X	28.77881	109.49276	300.26329	8.88145	0.1826703	0.19830229	2.9123992	21	—	—
244259 2002 CD_{242}	17.2	X	317.63608	340.55281	262.63982	1.53208	0.1528158	0.25737152	2.4477237	21	2 15.7	20.1
244260 2002 CB_{245}	15.5	X	211.04192	309.73380	168.47979	27.40069	0.1294503	0.17830225	3.1263061	21	8 21.3	20.6
244261 2002 CZ_{251}	16.1	X	44.01761	260.12359	169.69878	15.30715	0.2427726	0.20343713	2.8631838	21	—	—
244262 2002 CB_{252}	16.3	X	356.57096	45.72137	153.55591	15.09938	0.0699755	0.26142480	2.4223573	21	2 25.8	18.8
244263 2002 CR_{282}	15.9	X	5.33595	53.96148	333.97610	12.87941	0.1786316	0.18858636	3.0115901	21	12 7.9	19.6
244264 2002 CE_{283}	17.5	X	1.20172	222.44917	315.04833	1.53774	0.1573016	0.25655456	2.4529172	21	1 23.6	20.0
244265 2002 CV_{303}	17.0	X	29.49268	132.91946	153.76615	6.58918	0.1388826	0.27556464	2.3387675	21	9 11.9	19.3
244266 2002 CR_{305}	17.2	X	122.17699	26.93930	66.10960	3.99978	0.1460362	0.26666031	2.3905461	21	4 22.2	20.4
244267 2002 CC_{306}	17.2	X	29.18046	337.19056	225.63246	1.64054	0.1274081	0.26468516	2.4024240	21	4 27.4	19.2
244268 2002 CP_{310}	16.7	X	154.70728	196.31419	236.16095	5.80455	0.1156091	0.26717202	2.3874928	21	4 26.7	20.0
244269 2002 DN	15.8	X	74.48977	149.52558	116.24604	5.92659	0.1886824	0.17970596	3.1100049	21	10 15.3	20.4
244270 2002 DN_{1}	14.8	X	325.60276	3.45994	314.11760	17.74060	0.1166285	0.17250080	3.1960138	21	6 26.3	19.0
244271 2002 DJ_{19}	17.5	X	1.56941	126.34408	55.65051	4.69260	0.1596241	0.25726613	2.4483921	21	1 31.9	20.0
244272 2002 DF_{20}	16.6	X	316.03783	309.84097	302.90176	6.91744	0.1510804	0.26019372	2.4299920	21	2 24.4	19.8
244273 2002 EV_{5}	17.3	X	16.10201	308.68573	348.69810	17.83418	0.0706410	0.37804868	1.8942512	21	9 6.9	18.4
244274 2002 EC_{7}	17.5	X	267.85623	114.59714	181.27304	2.87643	0.1755355	0.25568099	2.4585012	21	2 24.2	21.4
244275 2002 EG_{9}	16.3	X	236.61541	180.21189	29.07417	13.15428	0.0793459	0.24302634	2.5431217	21	—	—
244276 2002 EH_{16}	16.5	X	39.00634	155.78366	308.18481	9.88527	0.2088601	0.25446773	2.4663095	21	—	—
244277 2002 EL_{19}	17.5	X	71.39467	108.00710	33.03483	2.59161	0.1705780	0.26237130	2.4165280	21	4 20.1	19.9
244278 2002 EG_{25}	16.1	X	284.59673	235.57668	220.42538	11.60068	0.2495576	0.23873057	2.5735387	21	10 8.2	19.0
244279 2002 EU_{27}	16.7	X	53.49930	104.23862	114.18599	3.46702	0.1303095	0.26784061	2.3835180	21	7 8.3	19.1
244280 2002 EJ_{39}	16.9	X	36.35174	217.07105	340.54571	3.96680	0.0748751	0.26433667	2.4045350	21	4 28.1	19.4
244281 2002 EB_{40}	15.8	X	254.01291	98.53746	13.54045	1.38225	0.1328704	0.18259307	3.0771349	21	9 30.3	20.2
244282 2002 ER_{70}	15.1	X	100.23588	208.76534	1.67468	17.12719	0.0566151	0.17086546	3.2163739	21	8 23.4	19.9
244283 2002 EC_{85}	16.9	X	340.77753	201.07446	36.88664	1.97402	0.1317938	0.25951311	2.4342388	21	3 19.8	19.3
244284 2002 EK_{93}	17.3	X	29.95776	109.73463	140.07806	3.14543	0.1834958	0.26905396	2.3763466	21	7 21.2	19.3
244285 2002 EL_{94}	17.1	X	3.85101	46.85732	155.59139	1.86441	0.1366312	0.25943083	2.4347535	21	3 7.8	19.2
244286 2002 EA_{101}	16.8	X	51.66575	77.32267	86.02583	7.74400	0.1436507	0.26250149	2.4157289	21	4 17.2	19.2
244287 2002 EV_{103}	16.1	X	312.28819	34.78958	60.85132	13.51277	0.2441255	0.24093140	2.5578424	21	12 11.1	18.0
244288 2002 EO_{108}	17.5	X	357.78875	40.68805	160.90753	2.99542	0.1150029	0.25906239	2.4370614	21	2 25.9	19.8
244289 2002 EJ_{115}	16.4	X	350.17894	123.15206	98.00776	5.13234	0.1299726	0.25810300	2.4430969	21	3 14.4	19.0
244290 2002 EZ_{119}	15.8	X	257.91772	119.79711	343.40079	8.57860	0.1182257	0.18128961	3.0918668	21	9 24.0	20.1
244291 2002 EW_{135}	17.1	X	32.38227	164.57188	39.70886	3.12183	0.1423796	0.26509366	2.3999553	21	5 7.3	19.0
244292 2002 EZ_{141}	16.3	X	349.81695	307.52101	359.89948	5.16583	0.0492224	0.22184378	2.7025343	21	7 25.3	19.6
244293 2002 EG_{145}	17.3	X	330.46947	310.47110	311.81384	1.60382	0.1889194	0.26150833	2.4218414	21	3 26.4	20.0
244294 2002 EK_{148}	15.2	X	283.76286	67.19496	14.44392	9.63844	0.0783370	0.18129359	3.0918215	21	10 7.9	19.3
244295 2002 ES_{151}	16.3	X	300.05567	286.81100	195.13393	14.41399	0.0421155	0.23868573	2.5738610	21	—	—
244296 2002 EZ_{157}	16.4	X	38.32244	210.17345	309.45984	10.82783	0.0241234	0.26114248	2.4241028	21	3 3.5	19.5
244297 2002 FD_{4}	16.6	X	197.03373	18.48841	116.80684	6.69745	0.1225152	0.27826676	2.3236024	21	9 7.8	19.9
244298 2002 FY_{5}	16.0	X	251.06344	123.67086	124.13184	13.08026	0.1176694	0.24487827	2.5302837	21	—	—
244299 2002 FU_{25}	16.4	X	289.87243	132.18637	117.14994	15.53499	0.1505652	0.25320865	2.4744785	21	1 23.4	20.0
244300 2002 FW_{25}	16.0	X	195.05399	191.75253	86.60134	16.03129	0.1443247	0.24388595	2.5371425	21	—	—
244301 2002 FJ_{35}	16.3	X	54.53679	351.59408	275.88139	5.99511	0.2473994	0.27207711	2.3587109	21	10 6.7	19.4
244302 2002 GM_{4}	17.4	X	356.28024	150.79079	207.00251	20.63674	0.0746110	0.38049281	1.8861305	21	11 14.4	18.9
244303 2002 GT_{8}	15.9	X	279.44492	151.39236	28.53581	12.60997	0.1941858	0.24194525	2.5506918	21	—	—
244304 2002 GE_{69}	16.7	X	284.80897	321.41193	191.32374	8.69242	0.0289568	0.23930417	2.5694246	21	—	—
244305 2002 GY_{78}	16.5	X	34.86029	99.63104	83.38938	12.91751	0.0953423	0.26081136	2.4261541	21	4 14.9	19.3
244306 2002 GM_{88}	15.8	X	32.35018	186.81192	74.37568	10.28088	0.2224489	0.21391046	2.7689473	21	8 21.1	18.9
244307 2002 GL_{90}	15.4	X	283.01388	42.04804	22.54221	6.17774	0.1624467	0.17559758	3.1583265	21	9 4.7	19.6
244308 2002 GG_{92}	17.6	X	308.23860	322.68437	202.76604	3.05592	0.1316125	0.24523545	2.5278262	21	—	—
244309 2002 GQ_{93}	15.9	X	356.28935	10.89158	242.60753	5.83027	0.0778991	0.21097863	2.7945405	21	5 18.3	19.1
244310 2002 GD_{105}	16.9	X	32.58229	34.42422	127.09768	5.61500	0.1508030	0.25781726	2.4449017	21	3 4.9	19.1
244311 2002 GE_{107}	16.0	X	99.00023	13.37658	144.92033	8.41678	0.1341344	0.21581033	2.7526726	21	6 20.8	20.0
244312 2002 GG_{128}	17.0	X	275.86568	294.17729	204.57004	4.59312	0.1915134	0.23891067	2.5722451	21	12 4.8	19.7
244313 2002 GY_{133}	16.4	X	56.00146	102.72143	203.79050	9.63325	0.1896957	0.27710211	2.3301086	21	11 26.3	19.6
244314 2002 GQ_{136}	15.3	X	247.82573	91.18082	17.93576	13.69142	0.1432909	0.17777645	3.1324674	21	9 21.1	20.0
244315 2002 GA_{142}	17.4	X	240.58100	221.75240	206.60814	20.24282	0.0765255	0.37324261	1.9104774	21	7 28.7	20.0
244316 2002 GC_{154}	16.8	X	167.09351	78.34155	174.81812	11.21178	0.2123798	0.23232907	2.6205977	21	12 23.1	21.4
244317 2002 GU_{161}	15.5	X	303.16481	228.03824	190.28662	15.73137	0.0626969	0.17887237	3.1196595	21	10 6.9	19.5
244318 2002 GU_{165}	15.6	X	102.51877	320.55736	19.81549	31.21250	0.0598181	0.24007343	2.5639328	21	—	—
244319 2002 GO_{172}	16.7	X	248.99572	227.67009	23.37183	5.04346	0.0997927	0.24650447	2.5191432	21	—	—
244320 2002 GF_{177}	17.8	X	27.14359	33.62608	202.98845	0.79157	0.1322933	0.26373059	2.4082175	21	6 17.1	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
244321 2002 GR_{181}	17.3	X	6.41672	103.92602	43.53054	3.25365	0.1023541	0.25176942	2.4838998	21	—	—
244322 2002 GZ_{188}	17.4	X	28.84049	288.36657	41.16014	3.14505	0.2271951	0.27455507	2.3444973	21	11 26.1	20.0
244323 2002 HU_{10}	15.2	X	198.23179	110.92561	48.23350	26.99645	0.1896112	0.17891863	3.1191218	21	10 8.7	20.7
244324 2002 HT_{13}	17.2	X	111.19531	135.71249	74.47157	23.49689	0.0640503	0.37535603	1.9032994	21	10 4.4	20.1
244325 2002 HB_{15}	17.1	X	39.28215	93.90263	73.41504	2.50937	0.1262431	0.25912059	2.4366965	21	3 26.1	19.5
244326 2002 HN_{16}	16.2	X	283.65908	87.41243	92.82171	14.48661	0.1223773	0.24264131	2.5458113	21	—	—
244327 2002 HD_{17}	16.6	X	32.99061	286.96342	38.15332	5.83088	0.2639771	0.27506795	2.3415821	21	12 1.3	19.5
244328 2002 JL_{5}	16.2	X	260.42167	191.01684	45.14630	6.81029	0.2063970	0.24462583	2.5320241	21	—	—
244329 2002 JY_{9}	17.3	X	70.08341	72.90838	91.28664	23.91997	0.0644468	0.36219102	1.9491455	21	5 8.0	19.6
244330 2002 JW_{11}	16.7	X	150.31390	182.07766	36.16828	10.92988	0.0442222	0.27761997	2.3272101	21	11 4.2	19.6
244331 2002 JV_{21}	16.3	X	276.42074	344.88880	212.63155	13.14509	0.2122572	0.24219010	2.5489724	21	—	—
244332 2002 JH_{43}	15.8	X	112.13410	43.72478	239.41347	12.29205	0.2294788	0.22821274	2.6520159	21	12 15.0	20.3
244333 2002 JV_{52}	17.0	X	72.03680	355.86986	276.95048	4.49942	0.2140682	0.27237210	2.3570076	21	10 31.1	20.5
244334 2002 JE_{53}	14.9	X	141.01805	327.84377	219.89531	18.54970	0.0918369	0.17093005	3.2155636	21	8 31.8	20.2
244335 2002 JX_{62}	16.5	X	322.12526	145.41474	146.18827	5.37958	0.2411405	0.25680426	2.4513269	21	4 18.9	19.1
244336 2002 JJ_{86}	16.2	X	200.47226	33.19650	237.45917	6.37703	0.1486061	0.18747743	3.0234542	21	—	—
244337 2002 JR_{86}	16.6	X	308.35995	260.51975	44.13484	14.82947	0.1724962	0.25840030	2.4412226	21	4 26.9	19.3
244338 2002 JZ_{87}	16.8	X	268.33181	355.66337	245.15172	2.78054	0.1315936	0.24539937	2.5267004	21	—	—
244339 2002 JH_{104}	17.0	X	335.69857	154.63025	116.14798	3.71457	0.1743991	0.25738977	2.4476080	21	4 23.4	19.5
244340 2002 JR_{107}	15.8	X	250.45937	295.89158	194.53441	29.84048	0.2902610	0.23275214	2.6174211	21	10 2.9	19.8
244341 2002 JW_{109}	16.9	X	328.11084	11.87720	279.74763	2.32472	0.1948409	0.25829610	2.4418790	21	5 4.4	19.5
244342 2002 JG_{114}	15.9	X	356.15253	195.48373	159.44319	25.68893	0.2327445	0.26903244	2.3764733	21	11 10.6	18.5
244343 2002 JM_{120}	15.9	X	258.75261	24.36263	140.47430	12.84652	0.0978040	0.23640607	2.5903810	21	12 26.9	19.3
244344 2002 KY_{15}	17.2	X	225.78265	22.36197	240.70883	1.61856	0.2357983	0.24076797	2.5589997	21	—	—
244345 2002 KJ_{16}	16.3	X	148.04829	238.94349	105.76136	8.39674	0.1897886	0.23372127	2.6101806	21	1 11.4	20.1
244346 2002 LP	16.4	X	210.24725	110.72774	92.65646	12.63294	0.2039207	0.23265029	2.6181849	21	12 3.4	20.4
244347 2002 LT_{7}	17.3	X	274.57339	130.35456	212.41083	20.93988	0.0617971	0.36008249	1.9567472	21	5 12.9	19.3
244348 2002 LB_{27}	15.9	X	132.84632	204.63261	114.84224	15.04335	0.3365027	0.22986981	2.6392554	21	—	—
244349 2002 LF_{30}	15.8	X	40.05307	332.99265	283.08582	23.00476	0.0873911	0.26034185	2.4290701	21	7 28.8	18.8
244350 2002 LF_{43}	16.1	X	252.95248	157.94045	117.50366	21.51558	0.2328211	0.24284111	2.5444148	21	1 16.2	20.2
244351 2002 LO_{43}	15.8	X	199.80228	91.37915	242.99644	10.29861	0.3276902	0.23821239	2.5772694	21	2 11.8	20.9
244352 2002 LJ_{53}	16.2	X	168.35921	345.22358	288.97582	12.02055	0.2876444	0.23019189	2.6367930	21	—	—
244353 2002 LG_{61}	17.0	X	331.04807	185.50842	104.89736	6.84796	0.1138433	0.25932132	2.4354389	21	5 23.4	19.7
244354 2002 LA_{63}	15.9	X	66.02711	275.67985	88.51613	15.34794	0.1485707	0.22555493	2.6728084	21	—	—
244355 2002 MH	16.9	X	224.50858	73.93861	229.84506	3.04065	0.2041470	0.24109958	2.5566527	21	1 27.2	21.2
244356 2002 NC_{7}	16.0	X	63.09004	224.60130	140.15596	10.41507	0.1765646	0.22373309	2.6872985	21	—	—
244357 2002 NF_{7}	15.8	X	67.63238	97.92802	246.82129	13.62509	0.0527901	0.22164532	2.7041473	21	12 27.9	19.6
244358 2002 NJ_{15}	16.6	X	264.36009	192.03339	60.82422	5.48507	0.2579990	0.24219934	2.5489075	21	—	—
244359 2002 NT_{18}	16.1	X	227.99977	42.56274	253.30162	6.57068	0.1966412	0.24023920	2.5627533	21	1 20.4	20.5
244360 2002 NK_{27}	14.7	X	179.23168	312.44318	330.56183	26.58562	0.2149241	0.17664339	3.1458484	21	—	—
244361 2002 NN_{32}	15.6	X	85.35921	110.24292	227.33096	14.57792	0.2727419	0.22111921	2.7084349	21	—	—
244362 2002 NN_{38}	15.3	X	172.88109	32.62850	290.16200	16.67648	0.1465728	0.18203063	3.0834700	21	1 13.3	20.2
244363 2002 ND_{41}	15.5	X	152.59077	303.45077	326.20901	11.49518	0.0967022	0.17489996	3.1667193	21	12 24.6	20.6
244364 2002 NF_{41}	16.3	X	210.65331	202.73967	85.74378	6.48134	0.1144929	0.23664217	2.5886577	21	—	—
244365 2002 NY_{41}	16.4	X	148.03421	214.30845	98.62559	6.07288	0.2056699	0.22991708	2.6388937	21	—	—
244366 2002 NE_{45}	15.9	X	156.10602	334.71318	286.71629	12.85370	0.2256200	0.22567314	2.6718750	21	12 23.4	20.5
244367 2002 NB_{51}	16.4	X	167.73709	179.71846	162.03859	5.72630	0.1896466	0.23632087	2.5910035	21	1 25.2	20.6
244368 2002 NN_{55}	16.4	X	43.33877	211.92636	164.83078	8.28191	0.3092421	0.21986452	2.7187292	21	—	—
244369 2002 NF_{58}	15.7	X	323.41887	193.56445	210.84729	13.69571	0.1976165	0.21299787	2.7768508	21	10 14.7	18.2
244370 2002 OL_{14}	16.2	X	240.67204	169.31238	170.64536	11.33955	0.1489008	0.24559062	2.5253885	21	3 29.8	20.0
244371 2002 OL_{16}	15.9	X	129.23431	21.21162	268.02744	11.74266	0.1598597	0.22561733	2.6723156	21	—	—
244372 2002 OT_{19}	15.4	X	197.10084	108.53202	197.13442	15.17139	0.1385712	0.18411044	3.0602044	21	1 12.3	20.6
244373 2002 OD_{26}	16.8	X	244.52155	219.15756	111.68473	5.29952	0.1795838	0.24472094	2.5313680	21	3 21.4	20.8
244374 2002 OU_{31}	16.9	X	115.82113	0.86084	320.45817	2.10480	0.1075267	0.22670808	2.6637373	21	—	—
244375 2002 OB_{33}	15.8	X	278.42103	302.12986	301.75895	9.82429	0.0946151	0.18823734	3.0153115	21	1 21.9	20.2
244376 2002 PF_{5}	16.3	X	126.61470	50.56094	216.54203	7.45124	0.1367857	0.22090885	2.7101540	21	12 4.5	20.6
244377 2002 PM_{7}	15.8	X	39.92720	323.83649	314.16698	18.79584	0.1078991	0.20957603	2.8069950	21	8 28.9	19.5
244378 2002 PT_{8}	16.8	X	264.33783	89.47708	161.53508	6.36939	0.1753035	0.24069379	2.5595255	21	—	—
244379 2002 PK_{11}	17.0	X	47.98134	148.68966	202.96023	2.55358	0.1415010	0.21945412	2.7221177	21	12 25.7	20.7
244380 2002 PW_{14}	17.2	X	327.70745	124.05304	207.08579	2.95107	0.1893388	0.25823815	2.4422444	21	7 7.1	19.3
244381 2002 PH_{15}	16.4	X	136.38146	82.35028	182.87602	10.63460	0.1349776	0.22328519	2.6908910	21	12 11.8	20.9
244382 2002 PE_{26}	16.0	X	46.57466	182.70354	139.78535	9.48801	0.1479532	0.21609624	2.7502441	21	11 20.7	19.8
244383 2002 PY_{27}	16.2	X	76.61675	330.58178	313.96943	6.11916	0.0537662	0.21532385	2.7568171	21	10 21.7	20.2
244384 2002 PW_{29}	16.6	X	348.83471	37.88450	266.24303	2.34644	0.1837098	0.25750302	2.4468903	21	7 13.0	18.5
244385 2002 PF_{31}	15.2	X	227.43079	120.74020	160.09919	7.53910	0.0814459	0.18405200	3.0608522	21	1 13.8	20.0
244386 2002 PL_{38}	16.4	X	219.14116	80.17982	136.15355	12.05487	0.1394764	0.22849558	2.6498270	21	—	—
244387 2002 PF_{39}	15.7	X	357.92965	226.16199	147.16234	15.63789	0.1422681	0.21434883	2.7651708	21	11 14.6	19.2
244388 2002 PL_{64}	15.7	X	345.46969	54.40200	294.66452	10.37164	0.0364184	0.21153225	2.7896625	21	9 6.7	19.5
244389 2002 PK_{65}	15.7	X	75.82642	332.64998	347.05234	13.80458	0.2010597	0.21950772	2.7216745	21	12 24.9	20.2
244390 2002 PE_{69}	16.7	X	248.90302	80.23471	202.82070	10.98846	0.2808596	0.24094236	2.5577648	21	1 17.9	21.4
244391 2002 PB_{75}	16.7	X	119.05322	54.50976	255.12582	9.66917	0.2084757	0.22475731	2.6791282	21	—	—
244392 2002 PE_{89}	15.8	X	39.94317	148.60093	237.13260	13.07906	0.2539635	0.21973299	2.7198140	21	—	—
244393 2002 PS_{90}	16.7	X	91.33700	230.39633	148.46531	5.30963	0.2172084	0.22717349	2.6600978	21	—	—
244394 2002 PH_{97}	15.6	X	76.10360	235.08452	130.74644	10.33495	0.2624871	0.22212140	2.7002820	21	—	—
244395 2002 PB_{111}	16.0	X	223.79426	59.71596	290.12556	12.30547	0.0552132	0.24363921	2.5388551	21	3 21.1	19.9
244396 2002 PY_{111}	15.5	X	59.96561	267.76483	133.84522	16.53504	0.1719961	0.22609454	2.6685541	21	—	—
244397 2002 PY_{114}	14.9	X	117.31456	204.99328	171.88166	2.87043	0.2700195	0.12446787	3.9728107	21	2 12.6	21.0
244398 2002 PL_{116}	16.3	X	45.56448	139.63766	228.52737	12.92112	0.2146639	0.21958302	2.7210523	21	—	—
244399 2002 PX_{117}	17.3	X	181.57463	85.04719	195.57466	5.75908	0.2428684	0.23175140	2.6249506	21	—	—
244400 2002 PM_{118}	16.4	X	190.14823	88.56691	298.91549	10.05810	0.3148238	0.24124683	2.5556123	21	4 6.8	21.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
244401 2002 PL_{123}	16.1	X	122.53902	359.61535	258.30864	6.84388	0.1500934	0.21851893	2.7298786	21	11 19.2	20.5
244402 2002 PZ_{124}	16.0	X	11.01869	206.70781	156.62953	14.55846	0.1967090	0.21382670	2.7696704	21	11 28.8	19.4
244403 2002 PM_{126}	16.2	X	255.61094	170.06682	139.37917	5.33599	0.1820880	0.24412196	2.5355070	21	3 3.7	20.2
244404 2002 PL_{131}	16.7	X	165.06904	65.63767	228.25074	13.19930	0.2752021	0.22882150	2.6473102	21	—	—
244405 2002 PV_{136}	16.0	X	61.28939	255.94721	109.59092	5.70892	0.1828531	0.22242914	2.6977908	21	—	—
244406 2002 PH_{140}	16.6	X	267.04079	171.93339	136.46593	14.09275	0.1762444	0.24527942	2.5275242	21	3 16.2	20.6
244407 2002 PG_{141}	16.6	X	232.45378	88.23996	262.13005	10.19226	0.3084698	0.24315749	2.5422072	21	3 22.0	21.5
244408 2002 PK_{171}	16.6	X	44.24310	151.74992	196.35504	7.97746	0.0936185	0.21918749	2.7243247	21	12 10.3	20.4
244409 2002 PP_{171}	16.5	X	319.84498	336.62009	110.28501	5.23838	0.0940097	0.21984741	2.7188703	21	12 13.7	19.5
244410 2002 PW_{174}	16.1	X	341.86360	310.58974	64.79906	5.75237	0.1318887	0.21224238	2.7834365	21	10 15.3	19.1
244411 2002 PN_{178}	16.4	X	353.32278	280.21885	259.74708	8.25424	0.0496018	0.23875413	2.5733694	21	1 29.7	19.7
244412 2002 PQ_{185}	16.8	X	163.04393	183.71915	104.93220	4.10569	0.0768271	0.22844274	2.6502355	21	—	—
244413 2002 PQ_{186}	16.2	X	75.46905	320.54162	336.21680	12.50516	0.0942544	0.21656355	2.7462862	21	11 8.2	20.4
244414 2002 PJ_{189}	16.7	X	247.65543	52.48823	194.63183	2.80819	0.1747808	0.23774910	2.5806165	21	—	—
244415 2002 PH_{191}	16.3	X	158.53262	95.69362	120.56214	10.18489	0.0928165	0.21894685	2.7263205	21	11 6.9	20.6
244416 2002 QH	16.0	X	265.97705	343.87605	317.79105	14.19761	0.2750009	0.24412323	2.5354983	21	2 21.1	20.4
244417 2002 QP_{4}	16.0	X	193.49254	81.65610	318.71908	14.28979	0.1678135	0.19252158	2.9704103	21	4 25.1	21.3
244418 2002 QK_{6}	16.7	X	332.87503	90.13441	298.35459	21.01220	0.1264983	0.36676267	1.9329145	21	11 16.2	18.6
244419 2002 QV_{14}	16.4	X	283.57589	66.13068	201.11157	8.35693	0.2174119	0.24360729	2.5390769	21	1 30.9	20.5
244420 2002 QZ_{18}	15.8	X	15.94182	222.97588	125.17760	6.32264	0.0831097	0.21291961	2.7775312	21	10 31.9	19.3
244421 2002 QO_{45}	15.6	X	15.65858	269.64938	86.26075	10.59637	0.1732037	0.21362545	2.7714096	21	11 21.8	18.9
244422 2002 QA_{50}	16.3	X	128.70454	213.85132	125.74899	2.94708	0.0820525	0.23021692	2.6366019	21	—	—
244423 2002 QL_{55}	16.2	X	8.56086	7.89438	17.86431	6.32961	0.0496495	0.21725062	2.7404930	21	12 2.3	19.7
244424 2002 QX_{60}	16.0	X	282.99784	127.23620	310.25167	5.61287	0.0292557	0.21267194	2.7796871	21	10 9.2	19.8
244425 2002 QM_{62}	17.0	X	80.68852	121.29509	220.96673	0.87628	0.1464322	0.22199109	2.7013385	21	—	—
244426 2002 QF_{74}	17.2	X	256.01748	247.67496	63.14009	0.98812	0.1947576	0.24415178	2.5353005	21	3 4.3	21.3
244427 2002 QV_{78}	17.0	X	94.92354	2.82826	319.59119	1.17043	0.0842848	0.22207692	2.7006425	21	—	—
244428 2002 QH_{89}	16.3	X	121.05080	310.92917	326.41848	6.08674	0.0354168	0.21900474	2.7258401	21	12 5.2	20.2
244429 2002 QX_{92}	17.1	X	143.84948	261.47193	145.01542	5.93616	0.2495165	0.23653748	2.5894215	21	3 30.5	21.3
244430 2002 QH_{96}	16.4	X	86.43686	209.74541	27.30840	4.23393	0.0443599	0.20974111	2.8055220	21	9 5.6	20.2
244431 2002 QZ_{97}	16.9	X	227.57617	87.79131	141.49030	7.09488	0.0809017	0.22952247	2.6419174	21	—	—
244432 2002 QM_{99}	16.3	X	45.08380	241.94874	140.20776	14.39713	0.1586896	0.22062627	2.7124676	21	—	—
244433 2002 QT_{109}	16.9	X	219.58449	286.59265	315.86740	3.82284	0.0929399	0.23044164	2.6348875	21	—	—
244434 2002 QW_{117}	16.5	X	16.06899	83.84275	237.62164	4.30439	0.0384370	0.21054881	2.7983424	21	9 16.9	20.2
244435 2002 QT_{121}	16.6	X	72.05944	47.18206	282.59902	4.66783	0.0472238	0.21897499	2.7260870	21	12 14.6	20.3
244436 2002 RT_{7}	14.9	X	106.43127	95.24516	349.51274	13.96446	0.3845286	0.18136569	3.0910020	21	4 23.0	20.1
244437 2002 RT_{10}	16.1	X	179.04029	21.78511	338.68233	2.03878	0.1652365	0.18572418	3.0424521	21	3 3.6	21.1
244438 2002 RX_{44}	14.2	X	108.90055	236.33574	152.12170	9.64615	0.2307940	0.12350998	3.9933253	21	2 13.8	20.1
244439 2002 RC_{46}	16.4	X	222.26893	203.68762	117.09573	3.84110	0.2119277	0.23923684	2.5699066	21	2 16.2	20.6
244440 2002 RY_{48}	16.5	X	171.55600	162.98215	160.28118	12.76112	0.1945399	0.23143684	2.6273286	21	1 7.9	20.9
244441 2002 RY_{49}	15.9	X	37.53245	225.09777	161.20320	9.94415	0.2168436	0.21772438	2.7365161	21	—	—
244442 2002 RJ_{53}	16.1	X	25.17896	225.79932	129.96531	5.68578	0.1300694	0.21433918	2.7652539	21	11 29.4	19.6
244443 2002 RV_{56}	15.3	X	6.58004	220.26570	188.41095	10.52864	0.3062435	0.21432415	2.7653831	21	—	—
244444 2002 RT_{66}	15.8	X	191.77248	79.76917	275.50168	7.06986	0.1945807	0.18528723	3.0472334	21	3 5.6	21.1
244445 2002 RA_{69}	16.6	X	16.49933	16.15087	333.70616	3.83396	0.2040978	0.21208327	2.7848285	21	11 15.9	19.7
244446 2002 RQ_{70}	16.5	X	97.50694	83.52703	234.67428	6.99642	0.1533770	0.22119791	2.7077924	21	—	—
244447 2002 RE_{72}	16.5	X	128.10600	174.11174	158.71432	2.96054	0.1541948	0.22705768	2.6610023	21	—	—
244448 2002 RZ_{76}	16.2	X	139.61857	108.16271	174.61558	12.69741	0.0431590	0.22108334	2.7087278	21	—	—
244449 2002 RF_{97}	15.9	X	107.55208	168.88683	183.62982	13.82027	0.1715682	0.22360970	2.6882870	21	—	—
244450 2002 RQ_{102}	15.6	X	96.12106	150.98844	210.64201	10.96315	0.1732309	0.22067704	2.7120516	21	—	—
244451 2002 RE_{118}	15.9	X	62.50321	317.98769	6.72274	12.02319	0.1196956	0.21515509	2.7582585	21	12 3.4	20.0
244452 2002 RE_{122}	15.8	X	353.96183	331.64280	72.02078	9.18774	0.2178034	0.21329971	2.7742305	21	12 21.7	18.6
244453 2002 RC_{128}	16.4	X	128.40643	79.62250	241.56849	10.40801	0.1983191	0.22622285	2.6675449	21	—	—
244454 2002 RJ_{132}	15.4	X	63.58140	98.91005	329.89796	20.10974	0.3038840	0.17269499	3.1936174	21	2 7.1	18.8
244455 2002 RL_{138}	15.8	X	45.12183	345.30604	48.71692	11.12885	0.1694458	0.22098657	2.7095186	21	—	—
244456 2002 RS_{141}	17.8	X	185.22075	123.01500	255.72038	2.31980	0.2780349	0.29113277	2.2546302	21	3 23.8	21.8
244457 2002 RT_{151}	16.4	X	69.66228	38.70606	292.70062	8.49003	0.1725625	0.21786785	2.7353146	21	12 29.1	20.5
244458 2002 RM_{157}	16.9	X	108.45003	114.57854	219.67635	1.46508	0.1031878	0.22314604	2.6920096	21	—	—
244459 2002 RW_{167}	17.0	X	208.70512	285.16617	1.33548	2.49828	0.2072408	0.23322935	2.6138495	21	—	—
244460 2002 RW_{171}	15.2	X	209.58129	264.75842	2.30315	9.07769	0.0630521	0.17482052	3.1676786	21	—	—
244461 2002 RU_{173}	15.1	X	61.81756	204.08222	183.12637	12.84557	0.0214815	0.17196693	3.2026250	21	—	—
244462 2002 RQ_{174}	15.8	X	33.28832	113.87626	258.84473	5.21291	0.0656350	0.21749171	2.7384674	21	12 22.2	19.2
244463 2002 RM_{178}	14.9	X	175.86753	129.98878	155.96135	11.20794	0.0279782	0.17614228	3.1518121	21	—	—
244464 2002 RY_{178}	16.8	X	113.34133	354.84625	8.87179	2.03131	0.2517920	0.22610760	2.6684512	21	1 6.1	20.2
244465 2002 RO_{184}	15.3	X	235.15307	44.56562	301.10446	9.35962	0.1560523	0.19083464	2.9878898	21	3 29.8	20.3
244466 2002 RD_{189}	16.6	X	49.83489	196.11892	184.12778	12.66967	0.1837079	0.21994617	2.7180563	21	—	—
244467 2002 RQ_{203}	15.8	X	78.97649	333.18147	334.29526	8.47812	0.1370654	0.21841650	2.7307320	21	12 4.5	20.0
244468 2002 RU_{205}	16.6	X	220.34409	358.51469	332.02797	4.33386	0.1352770	0.23908015	2.5710294	21	2 26.4	20.5
244469 2002 RC_{237}	15.9	X	177.67255	4.81433	46.04174	8.88173	0.1147634	0.19110527	2.9850683	21	4 29.7	20.5
244470 2002 RR_{246}	15.9	X	299.95463	306.40556	154.56254	12.80452	0.1665091	0.21693943	2.7431131	21	11 25.7	19.1
244471 2002 RD_{257}	16.5	X	251.39770	148.97141	112.92308	1.00050	0.0989745	0.23503764	2.6004256	21	1 6.5	20.2
244472 2002 RW_{260}	16.2	X	244.83883	250.82242	82.60654	9.12081	0.2929254	0.24418597	2.5350639	21	3 20.9	20.8
244473 2002 RT_{280}	16.6	X	98.59384	185.21359	135.49205	6.45269	0.0735494	0.22196177	2.7015765	21	—	—
244474 2002 SA_{6}	16.2	X	73.18277	56.79055	11.80926	9.57606	0.2278708	0.17439858	3.1727857	21	2 11.9	20.1
244475 2002 SS_{11}	15.7	X	132.01332	4.00698	6.56158	4.78346	0.1051568	0.17660022	3.1463610	21	1 26.9	20.3
244476 2002 SJ_{15}	16.1	X	235.64239	18.20827	275.76056	12.35162	0.2428185	0.23698805	2.5861384	21	1 22.8	20.7
244477 2002 SJ_{17}	17.1	X	174.09034	100.24488	197.19643	3.02662	0.2062615	0.22830135	2.6513297	21	—	—
244478 2002 SY_{22}	13.9	X	129.80764	321.47052	41.27858	8.86621	0.1668495	0.12318406	4.0003657	21	2 1.6	20.0
244479 2002 SA_{26}	16.7	X	169.96815	231.80152	80.46817	3.22348	0.2431074	0.22931954	2.6434758	21	—	—
244480 2002 SA_{39}	15.9	X	178.21733	281.46690	64.56197	2.02317	0.2183638	0.18146501	3.0898741	21	2 17.8	21.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
244481 2002 SH_{58}	14.9	X	82.98305	351.88252	40.88788	23.85634	0.1789090	0.17178685	3.2048628	21	1 2.9	19.4
244482 2002 SZ_{59}	15.7	X	296.08530	305.45256	38.66055	11.75517	0.1143817	0.19932541	2.9024246	21	6 13.0	19.7
244483 2002 ST_{61}	16.9	X	32.78903	130.69422	203.34018	7.10986	0.1435269	0.21282735	2.7783338	21	11 13.5	20.3
244484 2002 SW_{71}	16.2	X	107.51567	268.05092	83.22864	12.23612	0.2964522	0.22400268	2.6851419	21	—	—
244485 2002 TF_{1}	15.3	X	152.03792	335.71001	26.78898	12.46878	0.0626665	0.17972787	3.1097520	21	2 6.6	20.1
244486 2002 TU_{6}	14.9	X	110.45382	15.50779	17.71012	17.20893	0.1012333	0.17626213	3.1503831	21	2 3.4	19.6
244487 2002 TB_{16}	16.7	X	196.14536	173.70319	133.99939	3.20209	0.2773673	0.23358577	2.6111899	21	1 13.5	21.4
244488 2002 TV_{19}	14.5	X	153.87432	314.04798	24.77391	3.05697	0.2518644	0.12470467	3.9677799	21	1 30.8	21.0
244489 2002 TD_{39}	16.4	X	251.86583	330.93720	33.43955	3.48518	0.1919112	0.24451050	2.5328203	21	5 5.7	20.4
244490 2002 TM_{39}	15.9	X	176.37879	134.97595	229.81912	12.13540	0.1957040	0.23192862	2.6236133	21	2 26.0	20.4
244491 2002 TH_{51}	16.0	X	146.54119	321.58358	37.90471	13.48166	0.2009736	0.22751328	2.6574486	21	2 3.9	20.3
244492 2002 TZ_{52}	15.6	X	200.18418	163.09437	250.78462	6.37326	0.2489210	0.18777337	3.0202766	21	5 22.3	20.9
244493 2002 TB_{62}	15.9	X	19.56072	100.10848	246.13535	8.10305	0.1750629	0.21070662	2.7969450	21	11 12.2	19.0
244494 2002 TB_{63}	16.4	X	53.82000	113.09315	232.97260	5.06206	0.0334873	0.21416705	2.7667353	21	12 9.8	20.2
244495 2002 TB_{76}	15.8	X	40.03857	331.76894	352.02274	9.44556	0.2202475	0.21122693	2.7923500	21	11 17.8	19.6
244496 2002 TQ_{76}	15.9	X	351.00564	152.56847	228.85895	5.72522	0.1242447	0.20930203	2.8094443	21	11 5.5	19.0
244497 2002 TZ_{80}	15.9	X	26.16187	224.08264	160.33434	8.93729	0.2879634	0.21318036	2.7752659	21	—	—
244498 2002 TF_{84}	15.6	X	19.33999	322.22886	33.52532	16.04028	0.2020623	0.21147929	2.7901282	21	11 25.8	19.0
244499 2002 TK_{90}	15.1	X	70.05722	221.66768	211.16596	26.81588	0.2154952	0.17320669	3.1873245	21	1 30.3	19.5
244500 2002 TE_{93}	16.2	X	98.31462	215.84549	7.05018	11.07443	0.0676451	0.20415717	2.8564478	21	9 6.2	20.2
244501 2002 TB_{117}	15.5	X	172.42256	119.64338	277.66712	8.10022	0.1606276	0.18557101	3.0441260	21	4 6.1	20.6
244502 2002 TY_{121}	15.7	X	350.13346	354.19549	357.80793	12.08015	0.1967410	0.20561315	2.8429472	21	9 25.3	18.3
244503 2002 TB_{123}	15.5	X	123.91205	167.15692	258.81327	9.03395	0.1520378	0.18328304	3.0694073	21	3 24.0	20.3
244504 2002 TV_{133}	16.2	X	109.01708	31.29679	277.54324	7.63272	0.2852025	0.22194323	2.7017269	21	—	—
244505 2002 TM_{134}	16.0	X	292.92221	103.93604	291.49204	6.05386	0.1157646	0.20272164	2.8699168	21	8 16.5	19.6
244506 2002 TG_{137}	16.1	X	241.60419	53.93600	243.95371	8.36256	0.2074536	0.23732199	2.5837118	21	2 1.3	20.6
244507 2002 TK_{154}	15.4	X	230.57423	169.65947	226.24814	11.28161	0.0624117	0.19727673	2.9224840	21	6 7.1	19.7
244508 2002 TM_{155}	15.7	X	334.01772	127.96597	205.39584	12.04679	0.0687222	0.20382171	2.8595812	21	7 29.8	19.6
244509 2002 TP_{155}	16.3	X	54.48733	89.38519	224.96017	6.71330	0.1649419	0.21404043	2.7678264	21	11 19.9	20.1
244510 2002 TN_{158}	16.4	X	167.47251	168.95409	158.55182	14.86298	0.2625039	0.22994314	2.6386943	21	1 14.2	21.1
244511 2002 TK_{163}	15.8	X	90.90057	224.28589	110.33314	14.30675	0.1832687	0.21790764	2.7349816	21	—	—
244512 2002 TJ_{164}	16.3	X	181.32717	232.54439	123.94231	13.66769	0.1975932	0.23323343	2.6138190	21	2 27.9	20.7
244513 2002 TQ_{169}	16.0	X	281.88368	65.49499	260.47538	11.11399	0.0546990	0.24559356	2.5253684	21	5 6.2	19.3
244514 2002 TS_{172}	16.3	X	190.40546	132.34694	260.59175	11.51508	0.2602863	0.24142296	2.5543692	21	4 14.1	21.1
244515 2002 TT_{176}	15.0	X	293.35883	176.26021	230.00646	15.64873	0.3071806	0.20201530	2.8766027	21	7 27.6	19.0
244516 2002 TP_{182}	16.4	X	109.29340	141.60081	208.17753	6.12490	0.1227006	0.22408119	2.6845147	21	—	—
244517 2002 TU_{198}	15.2	X	90.67217	165.15016	251.20106	15.67238	0.1880857	0.17684760	3.1434262	21	2 5.1	19.7
244518 2002 TY_{199}	16.0	X	159.44507	96.15535	275.47763	12.87901	0.1665135	0.23353394	2.6115763	21	2 16.2	20.2
244519 2002 TM_{207}	15.4	X	102.05749	195.25318	220.84955	16.26933	0.1886555	0.17564445	3.1577647	21	2 20.1	20.2
244520 2002 TO_{211}	16.4	X	142.11691	211.31914	125.09094	14.23759	0.2314293	0.22684741	2.6626464	21	1 1.4	20.5
244521 2002 TM_{212}	16.8	X	230.32942	220.87606	119.80799	12.29100	0.2542645	0.24169574	2.5524469	21	3 20.4	21.4
244522 2002 TW_{221}	15.2	X	351.40187	213.41823	201.74789	34.65905	0.2192947	0.21494430	2.7600615	21	12 27.9	19.0
244523 2002 TJ_{222}	15.9	X	212.98618	65.14662	248.05656	8.72655	0.1501327	0.23515966	2.5995260	21	1 27.7	20.2
244524 2002 TO_{222}	15.6	X	70.50077	166.86308	209.17220	9.10149	0.2545658	0.21993045	2.7181858	21	—	—
244525 2002 TQ_{232}	14.8	X	145.15778	43.94906	261.55995	15.11994	0.1003772	0.17026801	3.2238934	21	—	—
244526 2002 TU_{232}	15.8	X	137.61892	42.56299	241.33621	17.62196	0.3130341	0.22256399	2.6967009	21	—	—
244527 2002 TT_{238}	14.9	X	125.19927	5.46407	43.79760	18.44153	0.2107967	0.17647944	3.1477964	21	3 25.5	20.0
244528 2002 TH_{243}	16.1	X	128.08011	244.43568	26.54355	6.87323	0.0443467	0.21346649	2.7727853	21	12 4.6	20.1
244529 2002 TG_{269}	16.4	X	259.34527	346.89881	347.18379	6.08814	0.1274078	0.24379217	2.5377931	21	4 9.3	20.1
244530 2002 TX_{278}	15.2	X	100.42113	194.32571	224.95144	8.81235	0.2014270	0.17603660	3.1530733	21	2 25.9	19.7
244531 2002 TW_{283}	16.5	X	181.03171	81.87421	281.15001	3.07731	0.2785306	0.23453972	2.6041047	21	3 6.3	21.3
244532 2002 TX_{299}	16.0	X	23.70357	89.43767	250.85749	4.70250	0.0897145	0.20730083	2.8274961	21	10 28.9	19.6
244533 2002 TX_{378}	16.8	X	91.41592	115.38934	206.19030	4.39091	0.1108904	0.21736748	2.7395107	21	—	—
244534 2002 TP_{383}	16.6	X	220.45175	61.82303	30.29103	12.17576	0.0531918	0.20017058	2.8942489	21	8 13.2	21.0
244535 2002 TV_{383}	16.0	X	123.98341	281.80656	131.73408	17.90572	0.2890296	0.23151001	2.6267750	21	3 29.5	20.4
244536 2002 UQ_{2}	16.5	X	208.17656	150.32908	303.39790	17.59701	0.0808534	0.35340600	1.9813146	21	7 27.9	18.6
244537 2002 UE_{29}	16.3	X	258.33943	15.63030	325.20920	8.46005	0.2957608	0.24346889	2.5400391	21	3 31.3	20.8
244538 2002 UC_{30}	15.7	X	55.94823	255.93220	86.06101	8.98229	0.2739045	0.21540293	2.7561423	21	—	—
244539 2002 UT_{35}	14.7	X	314.63081	132.05877	47.73499	22.60526	0.0338423	0.17148157	3.2086652	21	—	—
244540 2002 UT_{70}	15.4	X	94.35651	293.34569	151.19600	14.30932	0.2861330	0.17517606	3.1633911	21	4 9.6	20.1
244541 2002 UY_{70}	15.5	X	79.26321	356.84483	112.44288	16.75002	0.2369827	0.17508664	3.1644680	21	4 18.8	20.1
244542 2002 UK_{71}	16.0	X	178.70664	187.99256	293.01478	3.88391	0.0482879	0.19560183	2.9391434	21	7 26.5	20.1
244543 2002 UG_{72}	16.1	X	126.33351	220.79497	249.67886	2.58149	0.1980554	0.18480478	3.0525345	21	5 28.7	20.8
244544 2002 UO_{73}	15.4	X	231.61942	298.62893	35.66197	15.76802	0.0875202	0.18469961	3.0536932	21	3 28.0	20.2
244545 2002 UX_{77}	16.8	X	41.65843	206.32401	123.80927	2.56585	0.0858407	0.20908905	2.8113518	21	11 11.6	20.6
244546 2002 UD_{78}	16.3	X	38.85065	285.86408	76.72337	5.93343	0.0517812	0.21414597	2.7669169	21	12 13.9	19.8
244547 2002 UO_{78}	15.9	X	155.24330	189.90076	232.86023	5.21784	0.0949806	0.18449727	3.0559254	21	4 19.6	20.5
244548 2002 VS_{11}	15.9	X	142.43906	106.68081	240.99940	16.18327	0.2131738	0.22536238	2.6743307	21	1 9.7	20.2
244549 2002 VR_{16}	15.7	X	123.42938	112.05385	291.78461	4.76671	0.1527812	0.17714345	3.1399253	21	2 28.3	20.4
244550 2002 VP_{35}	16.1	X	154.96911	186.02073	240.47775	10.87335	0.1564124	0.23510809	2.5999061	21	4 23.9	20.3
244551 2002 VJ_{45}	15.4	X	114.47523	4.03680	78.69862	12.11250	0.1905394	0.17857516	3.1231201	21	4 17.9	20.3
244552 2002 VN_{50}	15.7	X	52.70054	286.32857	62.60725	12.88785	0.1611491	0.21290386	2.7776682	21	12 29.0	19.7
244553 2002 VN_{56}	17.0	X	286.22701	307.00705	83.43817	7.54721	0.1425605	0.30420582	2.1895643	21	8 3.7	19.3
244554 2002 VX_{57}	16.2	X	269.00640	254.87120	74.01050	8.58159	0.2212404	0.24359712	2.5391476	21	4 9.1	20.2
244555 2002 VX_{59}	15.2	X	99.10545	42.17443	50.08874	18.07393	0.2002805	0.17747131	3.1360570	21	4 14.6	19.8
244556 2002 VA_{61}	14.7	X	348.30478	133.25666	238.02529	17.13652	0.0757116	0.15323493	3.4585777	21	10 3.2	19.4
244557 2002 VY_{62}	15.3	X	216.24072	127.74898	233.90148	14.66403	0.0692844	0.18467053	3.0540137	21	4 6.1	20.0
244558 2002 VC_{83}	14.9	X	124.44868	311.83447	76.69743	17.19465	0.1443943	0.17376281	3.1805202	21	2 18.8	19.9
244559 2002 VV_{85}	16.7	X	28.45792	326.41753	275.16743	17.68916	0.0296849	0.35061294	1.9918231	21	6 16.4	18.3
244560 2002 VG_{92}	15.4	X	184.32417	100.67730	320.03368	20.66521	0.1858257	0.23810545	2.5780410	21	5 8.9	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
244561 2002 VT_{101}	15.0	X	126.75520	153.18861	246.26990	17.17483	0.2457372	0.17443925	3.1722926	21	3 3.1	20.4
244562 2002 VE_{104}	15.5	X	52.78226	72.01777	256.09334	8.09621	0.2302819	0.21058061	2.7980607	21	12 12.7	19.3
244563 2002 VG_{107}	15.3	X	158.95593	124.40601	263.10266	7.62156	0.0795985	0.17898887	3.1183057	21	3 8.3	20.1
244564 2002 VF_{116}	15.8	X	186.94315	146.91777	301.21358	11.84996	0.2296598	0.24348635	2.5399177	21	6 22.8	20.3
244565 2002 VZ_{116}	16.5	X	190.70135	290.82308	21.33037	12.13492	0.2832215	0.22952101	2.6419286	21	1 18.7	21.4
244566 2002 VC_{117}	16.3	X	162.05266	359.76102	309.76183	8.05864	0.1384003	0.22250212	2.6972008	21	—	—
244567 2002 VR_{126}	15.4	X	106.51037	76.92874	60.61117	26.53383	0.2112324	0.18229103	3.0805329	21	6 9.4	20.2
244568 2002 VC_{140}	15.6	X	68.78017	294.14467	16.33756	14.55185	0.2229038	0.21109339	2.7935275	21	12 4.3	20.1
244569 2002 VD_{141}	16.0	X	71.78117	187.92717	251.32077	10.47768	0.1574430	0.17313679	3.1881822	21	2 5.4	20.2
244570 2002 VP_{143}	15.4	X	310.45257	122.07028	67.64776	15.07689	0.0722307	0.17072401	3.2181503	21	—	—
244571 2002 WU	15.2	X	163.31468	109.75377	283.39777	27.68242	0.3067654	0.23004061	2.6379489	21	3 16.1	20.6
244572 2002 WV_{5}	15.9	X	78.66645	235.26956	136.99271	14.96583	0.2053490	0.21829715	2.7317273	21	—	—
244573 2002 WW_{10}	15.6	X	142.94034	17.36124	98.78662	11.80631	0.2362159	0.18462364	3.0545309	21	6 22.2	20.8
244574 2002 WZ_{14}	16.3	X	237.50330	163.52482	190.63218	6.29332	0.1464040	0.29143728	2.2530594	21	4 8.8	19.5
244575 2002 XX	15.5	X	85.81341	197.69333	260.59607	10.46773	0.1951994	0.17627255	3.1502589	21	3 25.0	20.0
244576 2002 XA_{3}	15.6	X	102.01879	263.66287	218.63183	15.36158	0.2167098	0.17900786	3.1180852	21	5 21.6	20.3
244577 2002 XF_{5}	16.3	X	81.17011	287.32166	246.53715	23.15440	0.2126239	0.28980279	2.2615230	21	6 26.1	19.2
244578 2002 XD_{6}	15.7	X	237.50725	329.77190	87.01896	17.91744	0.1090569	0.19250998	2.9705296	21	7 6.8	20.1
244579 2002 XA_{8}	15.6	X	102.15201	89.57566	235.82155	14.14152	0.1559084	0.21549879	2.7553250	21	—	—
244580 2002 XU_{8}	15.5	X	122.69748	30.80319	72.49546	17.43973	0.0606036	0.18221569	3.0813820	21	5 5.8	20.1
244581 2002 XR_{9}	15.5	X	186.52758	165.76364	254.87132	9.09196	0.0513515	0.18529927	3.0471014	21	5 19.4	20.0
244582 2002 XH_{10}	16.0	X	184.89715	91.23239	241.58849	11.10341	0.2383117	0.23006973	2.6377263	21	1 29.6	20.7
244583 2002 XM_{16}	15.8	X	203.89935	57.32863	294.87029	12.51487	0.1923731	0.23482084	2.6020260	21	3 4.6	20.4
244584 2002 XD_{30}	16.2	X	171.78030	69.32168	302.13983	10.46467	0.2096387	0.23237184	2.6202761	21	3 3.5	20.7
244585 2002 XA_{31}	16.4	X	134.91506	108.62585	284.69798	5.34222	0.1655147	0.22825680	2.6516746	21	2 22.1	20.4
244586 2002 XZ_{31}	16.1	X	105.33024	113.96186	275.89256	11.12274	0.1816842	0.22327241	2.6909937	21	1 17.1	19.5
244587 2002 XS_{47}	15.8	X	186.73689	51.16573	311.61216	6.78344	0.0986641	0.23090996	2.6313236	21	3 3.7	19.9
244588 2002 XK_{54}	15.0	X	132.40352	176.00998	240.32167	24.32245	0.0730584	0.17654725	3.1469903	21	3 8.2	20.1
244589 2002 XK_{62}	15.1	X	221.85851	296.52866	84.84785	11.38615	0.1295299	0.18608107	3.0385607	21	5 9.2	20.0
244590 2002 XS_{62}	15.5	X	205.15767	347.32015	97.28530	14.62610	0.1237108	0.18992177	2.9974564	21	7 6.9	20.1
244591 2002 XZ_{63}	15.5	X	83.69263	359.60470	75.10920	17.80974	0.1125697	0.17064432	3.2191521	21	2 22.5	20.1
244592 2002 XX_{69}	15.9	X	293.79787	74.29208	92.37374	11.88169	0.1692630	0.26329505	2.4108725	21	—	—
244593 2002 XB_{70}	15.4	X	113.73812	20.46405	100.12758	17.89497	0.1776357	0.18136701	3.0909871	21	5 30.2	20.2
244594 2002 XA_{83}	15.8	X	187.96988	272.33528	200.21995	12.45184	0.1366810	0.19031509	2.9933252	21	7 21.6	20.9
244595 2002 XT_{83}	16.2	X	104.75653	246.39189	215.19011	11.37734	0.2758207	0.22742572	2.6581307	21	5 2.9	20.1
244596 2002 XJ_{84}	15.2	X	100.09425	311.16516	118.13042	27.44285	0.1753503	0.17385308	3.1794192	21	3 17.6	20.2
244597 2002 XN_{84}	15.7	X	125.13244	124.19757	359.53400	28.14633	0.2012842	0.23606286	2.5928911	21	6 6.1	20.4
244598 2002 XJ_{89}	15.4	X	358.02579	326.48436	112.82720	23.79458	0.1731234	0.21229598	2.7829679	21	—	—
244599 2002 XP_{118}	16.2	X	331.61679	295.29066	71.22598	10.43858	0.1408576	0.20155670	2.8809644	21	9 15.7	19.6
244600 2002 XX_{118}	16.3	X	64.49745	331.67226	226.18009	7.74833	0.0175421	0.18864731	3.0109414	21	6 10.6	20.5
244601 2002 YQ_{1}	15.6	X	102.55744	137.97120	276.96405	7.98506	0.2557523	0.22289967	2.6939928	21	2 23.4	19.4
244602 2002 YP_{3}	15.0	X	97.37793	285.15095	78.97395	30.53856	0.3646792	0.21818191	2.7326891	21	1 2.0	18.5
244603 2002 YH_{17}	15.2	X	219.31733	270.86837	89.41142	11.13373	0.2190148	0.18424283	3.0587383	21	4 10.5	20.6
244604 2002 YH_{23}	15.9	X	149.24671	147.33866	232.01855	2.81218	0.2656260	0.22742530	2.6581340	21	3 1.5	20.3
244605 2002 YX_{28}	17.0	X	131.31854	13.72037	111.64426	5.69801	0.0904978	0.28778476	2.2720830	21	6 8.4	19.9
244606 2002 YA_{30}	16.1	X	21.31730	35.25031	91.19076	8.98096	0.2838403	0.16505893	3.2913700	21	1 13.8	19.1
244607 2002 YX_{34}	15.3	X	51.29587	124.71424	241.64161	12.09750	0.2049959	0.21194585	2.7860320	21	—	—
244608 2003 AG_{5}	15.4	X	159.02128	313.64217	101.17891	10.38817	0.1355425	0.17787288	3.1313352	21	4 22.5	20.5
244609 2003 AV_{7}	17.3	X	179.60610	266.77308	252.04243	4.05723	0.1128009	0.29937884	2.2130368	21	9 17.9	20.5
244610 2003 AZ_{10}	15.5	X	172.18362	190.61753	235.59907	16.15783	0.1834781	0.18301167	3.0724408	21	5 14.9	20.7
244611 2003 AH_{13}	16.0	X	188.56211	247.62555	135.22139	15.76352	0.2820603	0.23294431	2.6159814	21	4 10.9	21.0
244612 2003 AO_{19}	15.4	X	240.47941	352.36339	70.30421	9.89212	0.0773660	0.19083658	2.9878695	21	7 23.1	19.9
244613 2003 AU_{34}	14.9	X	179.44129	288.91215	98.51789	19.79346	0.2134764	0.18036136	3.1024662	21	4 16.0	20.6
244614 2003 AQ_{50}	14.7	X	203.90814	271.50720	98.27073	27.01379	0.2182209	0.17905454	3.1175433	21	4 18.5	20.6
244615 2003 AW_{54}	17.1	X	12.75471	45.76421	358.03361	4.17247	0.1137016	0.31295064	2.1485831	21	—	—
244616 2003 AR_{62}	15.4	X	146.75941	118.27461	288.57952	25.84248	0.2233877	0.17620460	3.1510688	21	3 19.6	21.1
244617 2003 AQ_{65}	15.7	X	139.79153	97.52979	335.82405	11.85427	0.1697895	0.23012541	2.6373008	21	4 15.0	20.0
244618 2003 AN_{74}	14.6	X	175.40658	309.32736	84.56090	23.54075	0.2504294	0.17905712	3.1175134	21	4 23.1	20.4
244619 2003 AP_{88}	16.2	X	236.64499	234.68132	152.08928	12.83065	0.3194917	0.24372251	2.5382766	21	5 15.5	21.0
244620 2003 AD_{94}	15.4	X	92.44408	340.21084	148.46536	28.89212	0.1587660	0.17307561	3.1889335	21	5 18.3	20.5
244621 2003 BN_{11}	15.3	X	138.60726	346.48810	130.63668	18.73925	0.1325088	0.17872680	3.1213534	21	6 15.1	20.4
244622 2003 BC_{13}	16.7	X	88.65260	217.97691	292.42107	6.12131	0.1127672	0.28387251	2.2929108	21	5 18.4	19.3
244623 2003 BD_{17}	15.3	X	263.62241	198.58509	338.70932	15.97161	0.1687120	0.20330295	2.8644435	21	—	—
244624 2003 BO_{18}	15.1	X	195.59013	269.74215	135.23117	17.64465	0.1377022	0.17826885	3.1266966	21	5 15.7	20.5
244625 2003 BS_{24}	16.8	X	93.78400	279.19133	200.98898	7.05659	0.2673939	0.22650246	2.6653491	21	5 14.2	20.5
244626 2003 BD_{29}	17.1	X	254.87958	121.18777	309.89495	4.61277	0.0776990	0.29758458	2.2219235	21	8 24.7	19.5
244627 2003 BL_{29}	17.1	X	244.82828	337.52637	146.71951	8.34452	0.1143143	0.30441600	2.1885563	21	10 26.5	19.7
244628 2003 BK_{50}	15.3	X	178.19145	281.11963	133.78242	26.71819	0.2496816	0.18038060	3.1022455	21	5 16.8	21.2
244629 2003 BV_{51}	15.7	X	156.64458	85.89784	325.03432	10.41528	0.3021577	0.22929512	2.6436635	21	4 12.3	20.6
244630 2003 BD_{59}	16.1	X	84.70628	280.78647	145.29243	5.93241	0.0346680	0.21697178	2.7428405	21	1 16.9	19.6
244631 2003 BA_{71}	15.5	X	137.46476	34.61359	329.27722	14.34696	0.2738652	0.21641049	2.7475810	21	2 6.3	19.8
244632 2003 BA_{74}	16.3	X	234.59069	224.00858	18.86584	7.73157	0.2013578	0.26173203	2.4204613	21	—	—
244633 2003 BJ_{74}	15.4	X	202.31145	333.01707	83.70654	13.05730	0.0780827	0.18052671	3.1005714	21	6 2.1	20.1
244634 2003 CD_{15}	17.5	X	242.56502	333.16636	104.20209	4.69160	0.1175572	0.29627330	2.2284747	21	8 12.6	20.3
244635 2003 DR_{2}	17.6	X	239.59293	321.47904	162.04039	2.63778	0.0500983	0.30027536	2.2086298	21	10 25.3	20.0
244636 2003 ED_{2}	16.9	X	141.65812	40.72125	112.82128	8.12228	0.0530921	0.28925411	2.2643820	21	7 28.5	19.7
244637 2003 EQ_{7}	15.0	X	16.14497	335.13062	305.88937	9.02882	0.1342223	0.18055764	3.1002173	21	7 31.6	18.6
244638 2003 ET_{9}	17.3	X	137.72739	349.10890	234.80498	2.33838	0.1715877	0.29559458	2.2318846	21	11 1.2	20.8
244639 2003 EB_{18}	17.6	X	174.37593	137.37275	97.65258	2.00684	0.0974559	0.30435379	2.1888546	21	12 26.9	20.4
244640 2003 EP_{46}	17.4	X	129.26778	290.50819	265.30813	5.99803	0.1048358	0.29172163	2.2515951	21	9 10.6	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
244641 2003 FU_{13}	17.4	X	102.80498	156.66387	41.11512	3.16639	0.1493284	0.28580959	2.2825389	21	8 22.8	20.6
244642 2003 FD_{16}	16.8	X	101.72894	298.81682	277.09803	6.08713	0.1021518	0.28699933	2.2762264	21	9 5.2	19.9
244643 2003 FR_{17}	17.5	X	220.56013	131.87121	346.28454	5.31439	0.0891146	0.29480251	2.2358805	21	9 13.8	20.1
244644 2003 FZ_{45}	15.5	X	88.17783	359.33634	175.72994	9.24139	0.0804183	0.17317540	3.1877084	21	6 21.7	20.1
244645 2003 FL_{82}	15.8	X	19.26835	176.61301	182.46257	21.91315	0.0258066	0.24257194	2.5462967	21	11 18.4	19.4
244646 2003 FM_{88}	16.9	X	108.61284	134.37588	119.56039	4.31101	0.1266620	0.29321064	2.2439658	21	11 11.2	20.2
244647 2003 FF_{96}	16.8	X	84.45639	325.22339	227.20561	6.00728	0.0706969	0.28290969	2.2981101	21	7 7.0	19.5
244648 2003 FZ_{118}	15.5	X	127.88224	62.13449	180.80234	9.44256	0.1405026	0.18708911	3.0276364	21	11 4.6	20.4
244649 2003 FE_{131}	16.5	X	323.72521	151.78066	42.76782	7.28566	0.0200749	0.26314984	2.4117594	21	1 11.2	19.6
244650 2003 GZ	15.9	X	17.65810	83.16243	174.09530	13.90475	0.1349243	0.22478756	2.6788879	21	6 30.6	19.1
244651 2003 GF_{3}	16.6	X	334.63403	51.03489	181.78113	6.44874	0.0958298	0.27217748	2.3581310	21	3 3.9	19.3
244652 2003 GH_{7}	16.5	X	288.34638	240.26900	8.09211	7.04185	0.0753645	0.26639346	2.3921423	21	1 29.2	19.7
244653 2003 GY_{38}	17.3	X	178.27053	3.99903	68.88254	6.51442	0.1169432	0.27993749	2.3143480	21	5 23.4	20.7
244654 2003 HR_{9}	14.9	X	41.90355	188.12896	81.65883	13.14725	0.1781208	0.17399911	3.1776400	21	9 10.0	19.2
244655 2003 HS_{10}	16.5	X	124.84972	140.01194	188.24469	6.97924	0.2033248	0.30159047	2.2022045	21	—	—
244656 2003 HG_{12}	16.4	X	297.49353	140.77059	95.43724	7.22460	0.0893065	0.26365099	2.4087022	21	1 21.5	19.6
244657 2003 HV_{17}	17.7	X	123.60890	59.06634	98.48411	1.85249	0.1562819	0.28304864	2.2973580	21	7 21.1	20.9
244658 2003 HX_{20}	15.8	X	140.91230	152.81032	74.28924	8.42594	0.2230182	0.18507968	3.0495111	21	10 31.5	21.1
244659 2003 HN_{26}	17.6	X	50.62421	309.70747	195.25805	5.64086	0.0638523	0.27177908	2.3604349	21	3 4.1	20.2
244660 2003 HX_{26}	17.1	X	110.62056	228.49620	81.01494	6.97308	0.2288737	0.29760562	2.2218188	21	—	—
244661 2003 HN_{27}	17.0	X	57.23251	51.81729	204.30559	7.93356	0.1502016	0.28366027	2.2940544	21	9 11.1	19.8
244662 2003 HK_{28}	17.0	X	113.31374	41.99151	199.71023	5.51707	0.0765065	0.29144508	2.2530192	21	10 26.5	19.9
244663 2003 HH_{53}	16.7	X	268.93226	322.41455	288.34506	7.63915	0.1018032	0.26096628	2.4251938	21	1 6.1	19.9
244664 2003 HN_{53}	17.1	X	164.69857	154.91007	84.39578	4.76855	0.1375698	0.30005877	2.2096924	21	12 18.1	20.3
244665 2003 HX_{57}	16.1	X	212.05707	191.05675	97.50177	7.44247	0.1696467	0.25535927	2.4605657	21	—	—
244666 2003 JT_{1}	17.7	X	84.41245	247.14407	52.98402	14.23249	0.0927514	0.40232487	1.8172645	21	—	—
244667 2003 JH_{5}	16.1	X	237.24941	205.56476	65.53782	8.17858	0.1833597	0.25762595	2.4461118	21	—	—
244668 2003 KF_{6}	15.6	X	321.19592	10.22162	44.28359	17.20056	0.0739360	0.18651233	3.0338750	21	10 29.7	19.5
244669 2003 KE_{14}	17.1	X	35.43524	286.09972	50.95095	4.69357	0.1989613	0.29212233	2.2495357	21	12 14.6	19.7
244670 2003 KN_{18}	18.3	X	354.45003	354.66391	168.68202	11.90366	0.4864516	0.42623575	1.7486496	21	—	—
244671 2003 KN_{33}	15.9	X	288.38986	273.18496	153.49895	11.51428	0.0568960	0.18058289	3.0999283	21	9 30.6	20.1
244672 2003 MS_{3}	17.0	X	78.15465	222.85725	71.48054	3.01845	0.2172472	0.28625971	2.2801455	21	12 7.1	20.4
244673 2003 MM_{6}	15.0	X	89.54379	246.69293	102.37364	25.33313	0.2486156	0.23907112	2.5710941	21	—	—
244674 2003 NS_{5}	15.0	X	94.91830	111.26882	259.83333	28.95726	0.2153056	0.23986071	2.5654486	21	—	—
244675 2003 NC_{7}	16.3	X	225.35207	350.91754	327.54708	7.66841	0.2035045	0.25638648	2.4539892	21	2 13.6	20.5
244676 2003 NT_{7}	16.3	X	259.27753	79.06248	250.86183	6.25012	0.2084871	0.26136897	2.4227022	21	3 24.7	20.3
244677 2003 NR_{12}	16.6	X	237.23736	347.52518	316.12047	5.57539	0.1659363	0.25517714	2.4617364	21	2 6.6	20.4
244678 2003 OY	16.1	X	136.88975	357.89396	265.21688	26.12890	0.2633425	0.28965496	2.2622924	21	12 18.1	20.0
244679 2003 OC_{8}	17.1	X	305.48145	6.88995	319.36343	2.20942	0.3215879	0.26813939	2.3817471	21	4 25.2	20.3
244680 2003 OG_{16}	17.6	X	39.69304	147.07017	155.98082	2.20047	0.2360622	0.28045428	2.3115041	21	11 8.5	20.3
244681 2003 OY_{17}	16.6	X	288.69447	294.09613	77.01670	6.24745	0.2795201	0.27038819	2.3685228	21	6 12.7	19.7
244682 2003 OG_{18}	16.0	X	53.58189	102.19359	276.07510	12.11098	0.1224689	0.23619579	2.5919182	21	—	—
244683 2003 OL_{19}	16.4	X	63.20555	114.14538	235.74084	6.79695	0.2040344	0.28680948	2.2772308	21	—	—
244684 2003 OH_{23}	16.7	X	261.36119	51.08771	282.78751	4.72214	0.2284471	0.26146275	2.4221228	21	3 30.3	20.6
244685 2003 OY_{23}	16.7	X	319.15157	143.02133	193.00344	5.96142	0.1512233	0.27193313	2.3595434	21	7 2.9	19.1
244686 2003 OL_{27}	16.2	X	200.47863	90.36951	143.35216	15.46123	0.0870162	0.23954329	2.5677144	21	—	—
244687 2003 OD_{33}	15.7	X	68.28191	239.22189	137.84951	13.07192	0.0835327	0.23771347	2.5808743	21	—	—
244688 2003 OM_{33}	16.1	X	126.48463	318.88999	68.57976	10.38726	0.2815010	0.24389870	2.5370541	21	2 24.7	20.0
244689 2003 PW_{5}	17.2	X	63.98967	53.65194	238.95081	3.17821	0.2890626	0.28247227	2.3004820	21	11 28.3	20.7
244690 2003 PA_{7}	16.4	X	244.05342	90.89050	265.94301	5.21094	0.2099699	0.26290320	2.4132675	21	4 14.2	20.4
244691 2003 QZ	16.9	X	358.61170	42.01440	254.41709	4.98907	0.2302052	0.27303816	2.3531728	21	7 25.3	18.1
244692 2003 QA_{3}	17.0	X	1.91346	343.04791	286.12882	3.44433	0.1556736	0.26878602	2.3779256	21	6 15.9	18.7
244693 2003 QS_{3}	16.3	X	264.94399	26.97371	333.43170	7.31201	0.2459556	0.20979887	2.8050070	21	5 7.6	20.8
244694 2003 QQ_{5}	17.0	X	9.34653	143.13083	167.18632	11.21857	0.3154591	0.27548892	2.3391961	21	10 11.9	18.5
244695 2003 QN_{10}	16.3	X	85.98929	67.80763	221.09111	22.88302	0.2353769	0.28362197	2.2942609	21	12 7.6	20.2
244696 2003 QZ_{11}	17.3	X	289.02935	186.39977	130.45052	3.28396	0.2262594	0.26347095	2.4097994	21	4 9.6	20.6
244697 2003 QE_{15}	17.4	X	317.86307	60.98397	286.76448	4.79979	0.2629305	0.27050499	2.3678410	21	6 30.0	19.3
244698 2003 QQ_{16}	17.7	X	304.93194	263.13347	24.39681	1.92606	0.1890416	0.26232661	2.4168024	21	3 25.1	20.8
244699 2003 QV_{20}	15.5	X	79.59443	213.68011	118.79322	3.05095	0.2011757	0.17584843	3.1553223	21	—	—
244700 2003 QJ_{21}	17.1	X	8.88711	238.77001	87.84492	3.54265	0.2351660	0.27546950	2.3393060	21	10 21.4	18.9
244701 2003 QL_{21}	16.6	X	321.92857	254.21798	125.56667	4.34337	0.2189890	0.27316011	2.3524724	21	9 14.9	18.0
244702 2003 QQ_{23}	16.5	X	78.90287	109.29136	179.72395	21.74669	0.2239085	0.28202966	2.3028882	21	12 3.1	20.5
244703 2003 QS_{23}	16.5	X	309.36446	192.21223	183.28302	6.32743	0.1490774	0.27103245	2.3647679	21	8 15.1	18.7
244704 2003 QM_{26}	16.7	X	22.40429	337.79362	326.14436	8.95049	0.2309655	0.27533933	2.3400432	21	10 5.5	19.0
244705 2003 QN_{29}	16.4	X	97.94074	207.26023	175.50153	13.74897	0.1974015	0.24120829	2.5558845	21	—	—
244706 2003 QJ_{35}	17.2	X	257.72019	347.43255	347.95276	1.08820	0.2034806	0.26067538	2.4269978	21	4 2.3	21.0
244707 2003 QD_{36}	17.2	X	319.99835	7.69265	296.45565	1.30720	0.2105363	0.26611023	2.3938393	21	5 5.4	19.8
244708 2003 QM_{43}	16.7	X	342.63630	48.75005	324.32534	1.54422	0.2559009	0.27623930	2.3349580	21	11 2.4	17.7
244709 2003 QN_{46}	16.7	X	225.75323	189.44757	153.92031	9.44216	0.2358514	0.25586314	2.4573342	21	3 16.4	21.0
244710 2003 QL_{51}	17.2	X	328.11386	147.35174	171.47133	22.34584	0.0632688	0.37624894	1.9002870	21	7 4.1	19.5
244711 2003 QS_{51}	17.0	X	264.30458	328.06200	343.70310	5.06318	0.1976926	0.25955289	2.4339901	21	3 10.4	20.7
244712 2003 QT_{52}	16.9	X	346.19938	198.76771	76.70957	2.38911	0.1715961	0.26774419	2.3840902	21	5 19.9	18.8
244713 2003 QZ_{52}	16.4	X	83.16458	174.33483	121.21599	4.30072	0.0641733	0.22870389	2.6482177	21	11 20.1	20.1
244714 2003 QF_{55}	17.1	X	286.44652	200.11612	138.71171	6.13556	0.2378418	0.26469985	2.4023351	21	5 5.3	20.5
244715 2003 QW_{55}	16.3	X	159.57712	201.94294	135.84035	10.65957	0.2481977	0.24485688	2.5304310	21	1 17.2	20.3
244716 2003 QF_{68}	16.7	X	231.07885	180.51245	163.47883	6.77250	0.1422160	0.25721861	2.4486937	21	3 24.4	20.5
244717 2003 QL_{69}	14.7	X	68.31431	47.39451	336.47112	26.41801	0.2641665	0.17768008	3.1336000	21	—	—
244718 2003 QS_{76}	16.8	X	254.10992	137.52615	175.53545	15.97165	0.2260219	0.25669426	2.4520271	21	2 28.1	20.9
244719 2003 QP_{78}	16.7	X	155.38585	348.54861	354.00475	20.96844	0.3135299	0.24285910	2.5442892	21	2 2.2	21.3
244720 2003 QZ_{81}	15.7	X	63.39743	227.36898	145.29650	14.17909	0.1459530	0.17888671	3.1194928	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
244721 2003 QB_{85}	17.2	X	292.69071	89.70761	226.37218	4.10313	0.2509176	0.26368040	2.4085231	21	4 6.9	20.4
244722 2003 QN_{85}	16.4	X	345.06383	101.61249	229.69263	6.03928	0.1527324	0.27238002	2.3569618	21	8 18.3	18.5
244723 2003 QL_{99}	17.1	X	39.76399	277.43081	96.72442	5.86793	0.2606713	0.28389541	2.2927875	21	—	—
244724 2003 QV_{99}	16.6	X	270.22988	134.39162	179.76179	6.39818	0.1313307	0.26051296	2.4280064	21	3 26.7	20.1
244725 2003 QC_{107}	16.9	X	334.03114	234.65948	77.11302	2.30744	0.1962081	0.27046612	2.3680678	21	6 18.3	18.6
244726 2003 QG_{107}	16.8	X	70.22032	227.23161	96.95976	6.82256	0.1951512	0.28530046	2.2852536	21	—	—
244727 2003 QX_{114}	17.5	X	34.14060	307.78661	338.30871	2.11519	0.2188306	0.27502245	2.3418404	21	10 1.5	19.9
244728 2003 RU_{5}	16.5	X	354.31065	168.63788	209.69520	5.06437	0.2472562	0.27628332	2.3347100	21	12 11.6	18.4
244729 2003 RQ_{9}	16.5	X	208.56006	162.23154	226.22794	8.10308	0.2065895	0.25752595	2.4467451	21	4 25.3	20.7
244730 2003 RB_{12}	17.1	X	285.21782	262.69519	85.17413	5.66766	0.2449547	0.26579765	2.3957158	21	5 13.8	20.4
244731 2003 RT_{12}	16.7	X	53.12973	291.85054	69.18448	6.22162	0.2218653	0.28628705	2.2800004	21	—	—
244732 2003 RJ_{14}	16.7	X	108.31006	113.25358	178.51559	22.74722	0.1707921	0.28676193	2.2774825	21	12 27.8	20.8
244733 2003 RT_{17}	15.3	X	157.15903	110.08014	187.40634	21.41171	0.1807080	0.18428598	3.0582608	21	—	—
244734 2003 RH_{22}	15.9	X	40.34884	14.52836	305.10677	13.92882	0.1220475	0.22373547	2.6872794	21	10 27.7	19.7
244735 2003 RW_{22}	16.5	X	11.93671	300.81330	80.00973	6.13841	0.2628533	0.27889189	2.3201289	21	—	—
244736 2003 ST_{10}	16.3	X	258.88490	359.52204	282.75288	1.51394	0.0089310	0.19338993	2.9615119	21	2 23.0	20.5
244737 2003 SP_{12}	15.6	X	52.15879	316.68232	349.41293	13.89741	0.1227159	0.22377766	2.6869417	21	10 26.6	19.4
244738 2003 SL_{26}	16.5	X	308.02609	132.02688	189.27454	5.41349	0.1855139	0.26508328	2.4000180	21	5 17.4	19.1
244739 2003 SY_{27}	17.2	X	12.71060	138.83741	205.73027	4.66408	0.3196485	0.27776303	2.3264109	21	12 9.9	19.5
244740 2003 SR_{31}	17.6	X	278.82158	114.63442	182.68367	0.73488	0.1808552	0.25550632	2.4596215	21	3 9.0	21.0
244741 2003 SY_{33}	17.0	X	287.65189	278.27337	43.46811	3.65456	0.2436039	0.26244682	2.4160644	21	4 11.6	20.4
244742 2003 SV_{35}	16.5	X	74.92312	103.49192	237.03946	5.43499	0.1266026	0.28616565	2.2806451	21	—	—
244743 2003 SP_{39}	17.2	X	337.35321	33.17775	293.85027	3.75892	0.1429052	0.26898891	2.3767297	21	7 27.9	19.1
244744 2003 SG_{40}	15.4	X	156.39627	216.49628	259.98148	14.44457	0.3003513	0.20055595	2.8905403	21	7 3.8	20.8
244745 2003 SF_{44}	17.5	X	16.89526	56.58196	273.41916	3.44682	0.2396473	0.27685846	2.3314755	21	11 9.7	19.7
244746 2003 SE_{46}	15.7	X	66.16246	292.02894	7.98056	13.85994	0.1461871	0.22483441	2.6785157	21	11 10.0	19.7
244747 2003 SU_{46}	16.7	X	1.85348	198.69267	185.44105	3.76684	0.2490984	0.27952767	2.3166096	21	—	—
244748 2003 SU_{52}	16.7	X	13.01814	140.11985	211.81105	4.71190	0.2435391	0.27779137	2.3262527	21	12 7.4	19.0
244749 2003 SJ_{54}	16.0	X	9.35396	231.65615	192.52353	17.37966	0.1699093	0.23112534	2.6296887	21	—	—
244750 2003 SS_{56}	17.2	X	354.06353	44.85214	264.48789	2.57682	0.1368123	0.27061808	2.3671812	21	8 4.2	19.1
244751 2003 SZ_{57}	16.0	X	140.73096	285.88453	21.16449	12.00287	0.0823142	0.23445188	2.6047551	21	—	—
244752 2003 SN_{61}	17.3	X	292.50063	217.78947	121.91131	2.42007	0.2089326	0.26540323	2.3980887	21	5 16.7	20.2
244753 2003 SC_{62}	16.9	X	227.77071	210.08335	150.82121	8.61634	0.1909953	0.25722304	2.4486655	21	4 11.3	20.9
244754 2003 SE_{62}	16.3	X	275.72710	102.95230	280.38342	7.43559	0.1347453	0.21211096	2.7845861	21	7 5.9	19.9
244755 2003 SF_{66}	17.0	X	16.56461	204.27596	92.41340	4.05738	0.2385655	0.27265269	2.3553902	21	9 20.4	18.8
244756 2003 SZ_{80}	16.5	X	235.11276	322.62189	54.12340	2.80120	0.0842306	0.20270576	2.8700667	21	5 16.4	20.5
244757 2003 SJ_{82}	15.9	X	57.64356	32.42726	9.73361	13.82573	0.0492526	0.23593394	2.5938356	21	—	—
244758 2003 SF_{84}	16.9	X	318.32958	56.88527	254.24748	10.32629	0.2943266	0.26770054	2.3843493	21	4 25.4	19.8
244759 2003 SS_{85}	15.8	X	355.56555	100.06898	234.33174	8.72936	0.0719613	0.21659971	2.7459806	21	9 3.9	19.3
244760 2003 ST_{89}	16.1	X	96.35309	2.07664	319.57404	10.56979	0.1305896	0.23182917	2.6243635	21	—	—
244761 2003 SD_{98}	16.8	X	241.93733	148.89005	258.79378	0.52523	0.1735287	0.26250230	2.4157240	21	6 22.8	20.4
244762 2003 SY_{98}	15.8	X	154.35975	55.56754	257.89862	14.81118	0.0729763	0.23970479	2.5665609	21	—	—
244763 2003 SD_{102}	16.3	X	49.56273	171.51533	237.15206	9.67699	0.0937072	0.23572316	2.5953816	21	—	—
244764 2003 SO_{108}	16.4	X	334.67829	94.16289	243.23857	3.95057	0.1553660	0.26907721	2.3762097	21	8 5.7	18.4
244765 2003 SZ_{110}	16.9	X	143.42016	306.55076	128.31613	6.27882	0.2160630	0.24497489	2.5296183	21	5 1.6	21.0
244766 2003 SF_{117}	16.3	X	257.75630	166.36038	235.94651	2.94184	0.0518432	0.26515324	2.3995958	21	7 20.6	19.3
244767 2003 SK_{118}	16.8	X	34.00448	126.09812	210.37608	4.09039	0.1619016	0.27916507	2.3186151	21	12 4.1	19.4
244768 2003 SP_{126}	16.4	X	342.81853	67.66832	258.56699	5.99576	0.1222319	0.26917014	2.3756628	21	8 6.2	18.6
244769 2003 SR_{131}	17.4	X	42.10270	163.20936	193.62725	1.42178	0.1430053	0.28165211	2.3049458	21	—	—
244770 2003 SL_{134}	16.3	X	359.60925	124.55882	298.80825	4.94457	0.1194334	0.23106818	2.6301224	21	—	—
244771 2003 SH_{135}	17.0	X	104.34623	54.29289	322.15312	4.81923	0.0215516	0.24157805	2.5532758	21	—	—
244772 2003 SY_{142}	16.4	X	46.33897	202.18856	147.41027	6.04744	0.1924143	0.28085778	2.3092896	21	—	—
244773 2003 SL_{144}	15.9	X	34.81226	35.54925	290.54406	11.64449	0.1889103	0.22280700	2.6947397	21	11 10.8	19.5
244774 2003 SZ_{146}	16.1	X	7.45893	100.09061	248.33596	5.62928	0.1491184	0.27508519	2.3414843	21	11 4.3	18.3
244775 2003 SJ_{149}	17.2	X	226.52865	182.44482	173.02672	5.29804	0.1362992	0.25477083	2.4643530	21	4 3.8	21.0
244776 2003 SM_{152}	15.3	X	293.94209	331.30002	33.95963	9.75288	0.1706790	0.21434681	2.7651882	21	7 1.4	19.0
244777 2003 SR_{161}	16.6	X	114.84042	11.41005	10.08539	6.80300	0.1300206	0.24229191	2.5482582	21	1 9.8	19.9
244778 2003 SA_{167}	17.2	X	275.55157	201.69597	186.71217	2.25086	0.2168259	0.26560112	2.3968974	21	6 29.8	20.3
244779 2003 SU_{167}	16.9	X	70.56179	274.44272	71.12414	4.79817	0.1588936	0.28663144	2.2781737	21	—	—
244780 2003 SY_{169}	16.1	X	60.27013	77.29654	249.51893	5.33120	0.0956630	0.22599350	2.6693493	21	12 4.6	19.6
244781 2003 SX_{173}	16.4	X	356.22465	298.66924	126.95554	4.61203	0.2082456	0.22839980	2.6505677	21	—	—
244782 2003 SY_{178}	17.4	X	285.53543	34.25897	245.42478	1.06724	0.2011911	0.25782639	2.4448439	21	2 18.8	21.0
244783 2003 SZ_{181}	15.2	X	291.21859	194.54002	200.10100	35.88084	0.2029057	0.21141601	2.7906849	21	7 24.9	19.8
244784 2003 SN_{189}	16.0	X	6.18964	139.32041	205.81345	7.25002	0.1139480	0.21811512	2.7332469	21	10 13.4	18.9
244785 2003 SJ_{195}	15.3	X	103.54611	146.75882	225.01762	9.72805	0.0548973	0.18124605	3.0923621	21	—	—
244786 2003 SD_{197}	17.0	X	131.49946	179.03235	341.27569	20.93666	0.0752925	0.37683579	1.8983136	21	8 6.4	19.3
244787 2003 SX_{197}	16.1	X	237.55176	91.75892	14.65139	18.09717	0.2233965	0.21378960	2.7699908	21	9 4.2	20.6
244788 2003 SN_{204}	14.9	X	26.89551	196.69137	223.12295	13.27861	0.2705296	0.17331965	3.1859394	21	—	—
244789 2003 SV_{209}	17.1	X	3.36924	82.48668	250.00951	2.92719	0.1895240	0.27404747	2.3473914	21	10 7.3	18.9
244790 2003 SQ_{210}	17.3	X	59.78675	23.80309	241.57197	5.74178	0.3455120	0.28008217	2.3135510	21	10 25.9	20.6
244791 2003 SV_{212}	16.5	X	311.89043	313.24853	51.68427	7.55371	0.1380580	0.27117854	2.3639185	21	8 10.6	18.9
244792 2003 SG_{215}	17.0	X	175.54322	118.84142	199.94813	36.96042	0.1903407	0.24212660	2.5494180	21	—	—
244793 2003 SW_{218}	15.8	X	231.93961	311.34451	41.35089	10.74694	0.2532168	0.19837027	2.9117337	21	4 6.4	20.9
244794 2003 SM_{233}	17.0	X	15.49593	146.78171	149.28305	5.53777	0.2338153	0.27205256	2.3588528	21	9 14.3	18.6
244795 2003 SL_{234}	15.6	X	16.12858	258.41626	145.30212	5.81644	0.1038682	0.17314297	3.1881064	21	—	—
244796 2003 SS_{245}	15.7	X	304.77637	210.60044	344.08860	4.61286	0.1670183	0.24291459	2.5439017	21	—	—
244797 2003 SZ_{245}	15.9	X	294.04091	342.81211	13.66199	6.15932	0.0765887	0.21083766	2.7957860	21	7 4.8	19.7
244798 2003 ST_{246}	16.4	X	54.63970	197.65861	182.99966	11.65166	0.1319185	0.23146410	2.6271223	21	—	—
244799 2003 SX_{251}	15.5	X	11.94151	344.81527	42.93003	11.42372	0.1756579	0.22219240	2.6997067	21	12 28.5	18.8
244800 2003 SO_{252}	16.3	X	315.36308	7.82320	40.32392	6.50846	0.1526076	0.27163511	2.3612689	21	10 21.5	18.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
244801 2003 SW_{263}	16.5	X	124.12510	343.54122	19.61081	15.07656	0.1878727	0.24009791	2.5637586	21	1 8.5	20.2
244802 2003 SL_{266}	16.1	X	14.16866	162.30066	356.46406	2.00911	0.0338431	0.24598970	2.5226564	21	2 3.4	19.2
244803 2003 SJ_{269}	16.5	X	339.30456	333.23198	341.24381	3.06360	0.0922436	0.20954939	2.8072329	21	7 15.1	19.7
244804 2003 SJ_{273}	16.0	X	52.61629	195.20282	213.47222	32.95086	0.1692046	0.23283437	2.6168048	21	—	—
244805 2003 SQ_{273}	16.8	X	54.00766	27.55056	271.27918	9.57555	0.2421820	0.28050344	2.3112340	21	11 19.3	20.1
244806 2003 SU_{275}	16.3	X	127.68198	204.67490	198.27055	15.34341	0.0323343	0.24550704	2.5259616	21	2 2.6	20.0
244807 2003 SG_{283}	15.6	X	55.84411	24.08614	297.44735	12.07347	0.1746839	0.22726632	2.6593735	21	12 2.9	19.4
244808 2003 SP_{286}	16.8	X	52.30125	30.92040	269.19435	7.52222	0.2545587	0.27790242	2.3256329	21	11 20.6	20.1
244809 2003 ST_{295}	16.3	X	164.24890	26.56293	300.81836	7.36111	0.1098992	0.24138098	2.5546653	21	—	—
244810 2003 SG_{309}	16.2	X	5.91910	38.97145	335.04606	5.49304	0.0586748	0.22432480	2.6825708	21	11 14.9	19.6
244811 2003 ST_{309}	15.2	X	164.00738	82.66828	192.85989	16.28930	0.1177888	0.18005174	3.1060218	21	—	—
244812 2003 ST_{319}	16.6	X	15.99114	339.73446	67.61619	4.31179	0.1350810	0.22832614	2.6511377	21	—	—
244813 2003 SG_{324}	17.4	X	25.77591	89.66276	288.18207	2.34474	0.1757442	0.28327761	2.2961198	21	—	—
244814 2003 ST_{326}	17.1	X	286.37047	86.91103	192.43272	7.01733	0.1019825	0.25455878	2.4657213	21	3 2.7	20.5
244815 2003 SL_{328}	16.4	X	15.04422	357.11424	160.22621	2.96156	0.0079707	0.24558760	2.5254092	21	2 3.4	19.7
244816 2003 SY_{332}	17.7	X	223.69219	90.56645	184.92319	11.66766	0.1923964	0.24460477	2.5321695	21	—	—
244817 2003 SV_{339}	16.0	X	10.01152	329.11421	84.67052	12.20244	0.1248576	0.22681793	2.6628772	21	—	—
244818 2003 ST_{399}	16.0	X	149.84930	345.67199	69.34153	14.60736	0.1590043	0.19339297	2.9614809	21	4 16.1	20.9
244819 2003 TA_{3}	15.9	X	55.51071	242.00540	146.38307	15.26767	0.1577696	0.23081676	2.6320320	21	—	—
244820 2003 TA_{4}	16.0	X	248.76713	305.03724	214.95293	14.45027	0.0261832	0.22788359	2.6545690	21	12 14.7	19.7
244821 2003 TJ_{6}	16.7	X	23.59389	331.00437	65.73091	8.87508	0.1601558	0.28411646	2.2915981	21	—	—
244822 2003 TS_{43}	16.4	X	198.94712	243.05541	39.23309	5.76532	0.0830432	0.23749151	2.5824821	21	—	—
244823 2003 TR_{49}	16.6	X	139.55457	33.73392	284.77217	4.78222	0.0515691	0.23321892	2.6139275	21	—	—
244824 2003 TV_{53}	16.1	X	5.94692	68.21832	55.85350	6.92445	0.0356330	0.23867049	2.5739705	21	—	—
244825 2003 UX_{4}	15.6	X	40.19189	288.90099	74.96508	28.08254	0.2452537	0.22631496	2.6668211	21	—	—
244826 2003 US_{11}	17.1	X	185.35003	326.73014	49.71773	21.98960	0.0840725	0.36064260	1.9547206	21	3 18.9	20.0
244827 2003 UL_{13}	17.3	X	316.84079	279.85118	358.07382	18.69497	0.0646701	0.36723823	1.9312454	21	3 29.9	19.0
244828 2003 UM_{28}	16.3	X	81.55058	227.18251	168.58495	0.15494	0.1646585	0.17961475	3.1110576	21	—	—
244829 2003 UC_{40}	16.9	X	107.78817	166.09937	188.70804	3.01292	0.0385875	0.23263874	2.6182716	21	—	—
244830 2003 UJ_{41}	16.7	X	32.36350	333.89992	27.35224	5.02179	0.1710249	0.27915380	2.3186775	21	—	—
244831 2003 UX_{42}	15.7	X	204.97093	40.66349	188.22234	9.27603	0.0196684	0.17604140	3.1530160	21	—	—
244832 2003 UC_{44}	17.5	X	270.49456	60.97728	267.34371	0.44761	0.1942914	0.25868177	2.4394514	21	4 7.0	20.9
244833 2003 UW_{49}	16.1	X	128.71055	58.73834	266.37422	14.01309	0.1156424	0.23332769	2.6131150	21	—	—
244834 2003 UA_{58}	16.0	X	265.92349	235.86214	230.40879	12.40157	0.1586432	0.21825905	2.7320452	21	10 4.9	19.7
244835 2003 UG_{62}	16.5	X	287.22864	252.83190	107.39337	7.15464	0.1244983	0.26411679	2.4058694	21	6 21.1	19.4
244836 2003 UO_{82}	15.7	X	295.40795	277.34186	101.71756	7.34583	0.1589987	0.21061303	2.7977735	21	7 24.7	19.3
244837 2003 UT_{91}	16.3	X	358.78117	14.55984	62.34878	4.59784	0.2022929	0.22783958	2.6549108	21	—	—
244838 2003 UF_{102}	16.9	X	1.56533	347.60040	65.66312	10.58193	0.2318764	0.28066067	2.3103708	21	—	—
244839 2003 UY_{102}	16.4	X	258.16090	21.65192	44.40473	9.11618	0.1108956	0.21137684	2.7910297	21	8 17.1	20.4
244840 2003 UU_{106}	16.0	X	160.74182	103.33360	264.03195	8.10023	0.1031841	0.24363040	2.5389164	21	2 7.6	19.7
244841 2003 UP_{107}	16.2	X	346.51107	171.99802	221.67496	5.67716	0.0334595	0.22102666	2.7091909	21	11 12.8	19.5
244842 2003 UP_{113}	16.5	X	159.01766	253.44322	64.63896	9.58489	0.1734414	0.23864605	2.5741462	21	—	—
244843 2003 UC_{123}	16.8	X	236.79878	357.41447	224.81327	7.26348	0.0501927	0.23161896	2.6259512	21	—	—
244844 2003 UD_{124}	16.2	X	145.48177	26.99739	277.15768	12.90174	0.1833107	0.23697041	2.5862667	21	—	—
244845 2003 UM_{124}	16.2	X	37.66768	262.36677	52.53187	6.13686	0.0293017	0.21827567	2.7319065	21	10 12.2	19.9
244846 2003 UP_{128}	16.1	X	320.62139	64.74494	37.50869	19.24782	0.1375994	0.17088870	3.2160823	21	12 17.4	20.2
244847 2003 UR_{134}	16.9	X	300.53747	123.25823	247.97106	3.90495	0.2534271	0.26717101	2.3874988	21	7 5.1	19.3
244848 2003 UN_{135}	15.9	X	137.35347	62.41191	252.01979	13.18732	0.2054232	0.23431647	2.6057585	21	—	—
244849 2003 UY_{137}	17.1	X	241.00601	261.53222	108.38825	2.95993	0.2120654	0.25766455	2.4458676	21	5 1.6	21.0
244850 2003 UH_{140}	15.4	X	55.40861	71.82148	46.51898	14.33492	0.0979498	0.18997306	2.9969170	21	3 3.9	19.4
244851 2003 US_{143}	16.6	X	169.38629	93.84255	257.09709	5.45975	0.2482965	0.24398329	2.5364677	21	2 8.4	20.9
244852 2003 UG_{145}	16.5	X	46.29104	214.18410	202.99468	5.95024	0.1648189	0.23147310	2.6270542	21	—	—
244853 2003 UB_{148}	16.0	X	359.52569	298.11148	82.56211	8.39231	0.1329408	0.22236575	2.6983034	21	11 24.2	18.9
244854 2003 UE_{150}	15.9	X	324.00629	328.69539	90.90912	8.17121	0.0830799	0.22020034	2.7159643	21	11 15.9	19.1
244855 2003 UT_{152}	15.8	X	17.45669	288.46707	71.40160	9.76117	0.2774121	0.27650201	2.3334788	21	12 30.4	18.5
244856 2003 UK_{169}	16.3	X	334.17193	14.95597	44.90920	22.34314	0.1842578	0.27562145	2.3384462	21	12 18.5	18.6
244857 2003 UQ_{170}	15.7	X	149.43650	12.55383	78.36864	12.64562	0.2635314	0.18940060	3.0029526	21	5 29.9	20.9
244858 2003 UC_{173}	17.1	X	301.75456	17.53091	351.63831	1.84049	0.1520058	0.26673024	2.3901283	21	7 23.6	19.7
244859 2003 UA_{194}	16.4	X	341.91973	22.44453	37.26049	8.56448	0.2287614	0.22375272	2.6871413	21	12 24.3	18.8
244860 2003 UG_{195}	16.3	X	194.78248	303.06665	15.33459	3.81953	0.0694692	0.24023654	2.5627722	21	1 16.7	19.9
244861 2003 UK_{196}	16.5	X	312.98624	128.79632	225.14716	6.33744	0.1351769	0.26633585	2.3924872	21	7 20.6	19.1
244862 2003 UR_{201}	16.2	X	67.63897	342.74469	56.62299	6.54928	0.1781471	0.23320203	2.6140536	21	—	—
244863 2003 UO_{208}	16.2	X	0.80793	350.54087	54.46415	4.54861	0.0544094	0.22387015	2.6862015	21	12 19.2	19.6
244864 2003 UK_{217}	16.8	X	13.20434	254.31119	113.34373	3.34951	0.1830061	0.27806328	2.3247359	21	12 19.6	19.2
244865 2003 UM_{217}	15.9	X	25.35763	282.46681	65.61906	7.54958	0.0402773	0.22052777	2.7132753	21	11 8.6	19.4
244866 2003 UT_{219}	16.3	X	357.85838	301.19438	78.21750	6.12705	0.1248837	0.22039217	2.7143881	21	11 18.2	19.3
244867 2003 UE_{222}	16.5	X	175.49478	57.86930	241.68762	8.45656	0.1159005	0.23710746	2.5852700	21	—	—
244868 2003 UL_{222}	15.7	X	307.57774	149.48872	244.91986	12.75959	0.1679995	0.21311418	2.7758403	21	8 26.8	19.2
244869 2003 UW_{237}	16.3	X	203.16966	284.05030	50.35273	6.91798	0.1536790	0.24466613	2.5317461	21	2 18.1	20.4
244870 2003 UU_{240}	16.1	X	2.59858	327.91874	249.68864	6.40546	0.0352474	0.25054428	2.4919905	21	4 3.3	19.3
244871 2003 UK_{243}	16.7	X	173.21240	186.71100	162.65252	1.91155	0.0976669	0.24398112	2.5364827	21	1 31.8	20.4
244872 2003 UC_{244}	16.1	X	340.28737	219.70072	241.51479	9.86890	0.0721854	0.22598718	2.6693991	21	—	—
244873 2003 UD_{246}	16.1	X	337.13693	324.24787	89.27718	6.96503	0.0747851	0.22165783	2.7040455	21	11 27.5	19.3
244874 2003 US_{259}	15.8	X	114.75829	290.63988	75.34422	13.80592	0.1747803	0.23476626	2.6024293	21	—	—
244875 2003 UQ_{272}	16.1	X	279.10405	262.00720	182.29725	7.48601	0.1991034	0.21445670	2.7642435	21	9 20.4	19.6
244876 2003 UX_{273}	14.8	X	124.31890	158.88903	270.84516	18.39040	0.3028609	0.18368280	3.0649523	21	4 10.8	20.2
244877 2003 UT_{275}	16.2	X	288.14900	226.92946	237.15257	4.10189	0.1220381	0.21915735	2.7245745	21	11 12.5	19.2
244878 2003 UH_{276}	14.8	X	94.48832	211.38890	167.82383	2.29472	0.2762599	0.12275960	4.0095817	21	1 25.5	20.5
244879 2003 UR_{281}	15.8	X	238.20551	93.94960	353.70080	8.85796	0.1273341	0.21077902	2.7963045	21	8 17.3	19.9
244880 2003 UR_{285}	17.0	X	200.50148	202.42021	208.53480	1.32939	0.0812849	0.20091143	2.8871297	21	5 22.3	21.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
244881 2003 UJ_{316}	16.7	X	91.25717	309.23265	43.51244	13.40991	0.1692442	0.23108191	2.6300182	21	—	—
244882 2003 UC_{365}	16.3	X	89.51086	169.26908	150.52813	7.94492	0.0813799	0.22758040	2.6569261	21	12 27.9	20.2
244883 2003 UU_{378}	17.2	X	280.20957	14.94038	160.57645	3.57038	0.0818419	0.23520494	2.5991924	21	—	—
244884 2003 UD_{400}	16.5	X	178.46845	220.74421	33.86077	7.66670	0.0023544	0.22795411	2.6540214	21	—	—
244885 2003 VT	16.9	X	126.94107	150.82788	285.91722	18.05213	0.0914497	0.35864764	1.9619626	21	3 2.0	19.4
244886 2003 VK_{11}	16.3	X	63.31634	131.67545	234.80225	11.54221	0.2479568	0.22813434	2.6526235	21	—	—
244887 2003 WO_{3}	16.5	X	33.39915	329.45001	90.29005	4.64331	0.1209904	0.22920353	2.6443678	21	—	—
244888 2003 WC_{13}	16.5	X	302.99898	333.59180	236.48486	7.19924	0.0731629	0.24480346	2.5307991	21	—	—
244889 2003 WB_{17}	16.0	X	47.14531	236.69577	272.86732	13.08594	0.0383435	0.24453449	2.5326546	21	3 2.6	19.5
244890 2003 WN_{30}	16.2	X	45.66438	184.95369	297.29729	3.82270	0.1918766	0.23804622	2.5784686	21	2 5.9	18.2
244891 2003 WP_{30}	17.2	X	12.78159	348.69430	19.85460	3.81050	0.1437193	0.27603160	2.3361291	21	12 12.6	19.6
244892 2003 WQ_{35}	16.3	X	256.92157	113.46966	4.81967	8.11864	0.0331750	0.21664904	2.7455637	21	10 28.1	20.1
244893 2003 WY_{39}	16.1	X	251.56497	196.70615	281.68044	5.09418	0.0645620	0.21648550	2.7469463	21	10 16.5	19.9
244894 2003 WV_{44}	15.7	X	188.16701	9.03662	86.66458	14.24719	0.2569090	0.20164126	2.8801589	21	7 2.2	20.9
244895 2003 WZ_{56}	16.3	X	52.96587	84.96188	235.68041	5.41976	0.1212859	0.22161970	2.7043557	21	11 20.7	20.0
244896 2003 WO_{58}	15.9	X	123.82140	126.58850	234.07081	4.32503	0.1208505	0.18015625	3.1048205	21	1 5.6	20.5
244897 2003 WO_{72}	15.7	X	43.70611	134.14061	256.46251	14.06332	0.1353597	0.22660256	2.6645641	21	—	—
244898 2003 WU_{72}	16.3	X	20.31855	8.63550	7.44660	5.02758	0.1287513	0.22089878	2.7102364	21	12 18.5	19.7
244899 2003 WU_{77}	16.9	X	246.96118	24.53941	255.31031	16.99378	0.0450793	0.35561315	1.9731079	21	—	—
244900 2003 WC_{82}	15.3	X	1.18653	113.08632	282.63521	8.84168	0.0674157	0.16829484	3.2490434	21	11 26.5	19.6
244901 2003 WO_{86}	16.0	X	359.03352	206.93849	247.28268	21.21141	0.0426087	0.22757645	2.6569569	21	—	—
244902 2003 WQ_{87}	16.1	X	356.19658	270.58060	162.19799	12.81729	0.2487343	0.22509539	2.6764450	21	—	—
244903 2003 WL_{95}	16.4	X	68.96037	317.21698	74.03444	8.28212	0.1993526	0.23118515	2.6292351	21	—	—
244904 2003 WZ_{97}	15.6	X	115.17749	324.22123	81.27330	7.97330	0.3473276	0.23774891	2.5806178	21	3 15.7	19.6
244905 2003 WJ_{120}	15.9	X	251.46067	44.13932	306.73514	4.46003	0.1190897	0.25219658	2.4810942	21	4 22.4	19.6
244906 2003 WY_{121}	15.9	X	149.57216	326.89153	36.46277	5.07386	0.2031363	0.23844470	2.5755952	21	2 7.0	19.8
244907 2003 WP_{125}	16.5	X	147.09161	353.16901	35.03957	6.73644	0.2998813	0.24209063	2.5496705	21	3 15.4	20.8
244908 2003 WC_{129}	15.1	X	315.49598	120.35693	49.00858	14.60247	0.0888342	0.17530754	3.1618092	21	—	—
244909 2003 WN_{131}	16.4	X	193.19120	90.44074	38.12327	4.51139	0.1366566	0.20467847	2.8515957	21	8 20.9	21.0
244910 2003 WQ_{132}	16.7	X	315.40900	112.17966	273.44314	4.44628	0.2639219	0.26860551	2.3789908	21	8 25.7	18.3
244911 2003 WU_{133}	16.6	X	113.93009	99.05729	243.38479	8.59333	0.1960430	0.23211345	2.6222203	21	—	—
244912 2003 WC_{135}	16.8	X	117.09876	130.02921	263.79287	1.30287	0.1981816	0.23858465	2.5745878	21	2 6.8	20.1
244913 2003 WU_{135}	15.5	X	119.33362	121.35125	249.58201	12.81171	0.1489331	0.23544583	2.5974192	21	1 3.4	19.0
244914 2003 WK_{140}	16.2	X	109.55932	105.79847	240.89259	6.75161	0.1899181	0.23122316	2.6289470	21	—	—
244915 2003 WL_{141}	16.0	X	64.12858	334.16108	69.16125	8.78847	0.1886166	0.22976319	2.6400718	21	—	—
244916 2003 WV_{144}	16.6	X	299.78281	10.85564	55.16219	3.70168	0.1002185	0.21553202	2.7550417	21	10 14.0	19.8
244917 2003 WB_{155}	16.2	X	4.21908	102.69704	202.66150	9.88116	0.0823240	0.26352804	2.4094513	21	8 12.7	19.0
244918 2003 WK_{155}	15.0	X	310.19493	23.05690	131.39079	8.76696	0.0622326	0.17376816	3.1804549	21	—	—
244919 2003 WN_{159}	16.4	X	109.39158	234.31096	150.51782	12.34201	0.1879543	0.23640746	2.5903708	21	1 14.8	19.8
244920 2003 WB_{164}	16.7	X	166.24325	235.20493	69.89986	3.24522	0.0778642	0.23178683	2.6246831	21	—	—
244921 2003 WU_{165}	14.6	X	166.31655	239.09694	96.06416	3.54553	0.1276804	0.12581608	3.9443787	21	1 29.3	20.6
244922 2003 WY_{166}	15.0	X	330.59829	135.61235	64.21893	16.45136	0.0340570	0.18656868	3.0332640	21	2 15.2	19.5
244923 2003 WA_{170}	16.4	X	59.66414	175.15788	197.36152	11.34472	0.1863239	0.22822181	2.6519457	21	—	—
244924 2003 WK_{175}	16.9	X	305.78651	352.70735	297.24488	1.29369	0.1906237	0.25371668	2.4711742	21	3 29.3	19.9
244925 2003 WH_{183}	16.7	X	313.41114	202.89074	182.04673	4.01629	0.0787343	0.21139793	2.7908440	21	9 9.5	20.1
244926 2003 WN_{190}	16.9	X	101.94381	322.08873	91.89671	24.53345	0.0966225	0.35191131	1.9869208	21	—	—
244927 2003 WE_{194}	16.4	X	214.59654	256.46676	265.87180	4.14106	0.1151279	0.21381932	2.7697342	21	10 22.2	20.7
244928 2003 XY_{1}	15.7	X	48.48326	140.26459	230.12983	11.91163	0.1305534	0.22511985	2.6762511	21	—	—
244929 2003 XB_{20}	15.5	X	99.58599	171.75813	306.21030	9.38716	0.1568435	0.18634308	3.0357118	21	4 30.6	20.0
244930 2003 XC_{20}	15.4	X	215.20493	80.56278	309.18336	9.59281	0.1217586	0.19358711	2.9595005	21	5 6.3	20.2
244931 2003 XM_{20}	15.9	X	69.61667	329.59188	32.74640	14.40429	0.2525570	0.22480114	2.6787800	21	—	—
244932 Méliés	16.4	X	282.28123	22.94644	81.50320	1.52729	0.1439206	0.21518274	2.7580222	21	10 31.7	19.8
244933 2003 YF_{3}	15.3	X	220.59399	114.31739	79.21001	25.59569	0.1082707	0.21785811	2.7353961	21	12 9.4	19.3
244934 2003 YQ_{6}	15.7	X	51.34456	127.89933	306.58356	9.62166	0.2311917	0.17434096	3.1734849	21	1 8.4	18.9
244935 2003 YA_{9}	17.1	X	319.29816	285.45155	112.69387	24.07339	0.1064622	0.37909555	1.8907623	21	11 23.4	19.0
244936 2003 YR_{14}	15.4	X	59.44781	20.18566	54.34552	11.02216	0.1621013	0.17589580	3.1547558	21	1 16.9	19.3
244937 2003 YZ_{25}	15.7	X	198.33708	329.40594	30.21680	3.06873	0.2374175	0.24423081	2.5347536	21	3 15.5	20.1
244938 2003 YY_{33}	16.3	X	61.52477	299.04765	101.65397	12.96203	0.1697994	0.23066923	2.6331541	21	—	—
244939 2003 YV_{49}	16.3	X	338.95785	312.69271	75.81303	5.23714	0.1430902	0.21462376	2.7628089	21	10 28.4	19.2
244940 2003 YL_{53}	16.1	X	19.81427	285.60357	81.17727	6.59990	0.1085792	0.21916671	2.7244969	21	12 2.9	19.3
244941 2003 YC_{54}	16.7	X	131.08169	255.26853	98.75817	4.03482	0.2504892	0.23726577	2.5841199	21	1 11.8	20.4
244942 2003 YT_{69}	16.8	X	145.13101	170.91998	154.25082	4.52521	0.2189898	0.23562712	2.5960867	21	—	—
244943 2003 YU_{77}	15.3	X	112.45666	286.59515	94.55033	19.77583	0.2695230	0.17886367	3.1197608	21	2 9.2	20.2
244944 2003 YQ_{78}	15.9	X	97.41556	258.24037	288.38682	15.01913	0.0475146	0.25268770	2.4778784	21	7 13.8	19.1
244945 2003 YE_{80}	16.0	X	122.07349	299.23221	85.82294	6.60626	0.3017959	0.23655455	2.5892968	21	2 18.3	19.9
244946 2003 YZ_{80}	15.3	X	71.15014	195.26739	308.70370	12.75797	0.1295257	0.18336405	3.0685033	21	4 19.9	19.6
244947 2003 YP_{81}	17.0	X	332.73744	330.40639	69.13037	4.95812	0.2452726	0.27150622	2.3620162	21	11 19.2	18.2
244948 2003 YX_{82}	15.9	X	175.58723	126.85115	5.83052	2.36604	0.0761433	0.19943250	2.9013855	21	8 7.9	20.2
244949 2003 YF_{95}	15.7	X	254.29008	12.38899	253.23307	13.50520	0.1170952	0.23697488	2.5862342	21	1 10.1	19.8
244950 2003 YK_{97}	16.3	X	109.51137	183.66323	240.96270	3.90358	0.3256196	0.18431481	3.0579419	21	3 30.6	21.1
244951 2003 YH_{106}	16.3	X	286.41927	150.95087	268.56596	4.20636	0.0721106	0.20955317	2.8071992	21	9 14.7	19.9
244952 2003 YH_{112}	15.6	X	183.89507	49.68402	67.05360	12.52425	0.1433147	0.19943775	2.9013346	21	7 28.4	20.4
244953 2003 YX_{113}	16.2	X	49.60702	246.27447	166.45205	13.56504	0.1615450	0.22868924	2.6483308	21	—	—
244954 2003 YZ_{136}	16.1	X	121.47152	56.48932	312.95309	2.49589	0.2573727	0.23403324	2.6078605	21	1 21.9	19.7
244955 2003 YE_{137}	15.7	X	37.34430	347.15958	286.78353	8.57611	0.0400583	0.19924114	2.9032429	21	8 13.3	19.7
244956 2003 YW_{140}	15.6	X	55.83676	96.09660	5.68541	10.21472	0.0769591	0.17880097	3.1204900	21	2 7.9	19.7
244957 2003 YS_{141}	15.9	X	270.94689	107.44713	304.33589	11.27616	0.0280832	0.20456862	2.8526164	21	8 19.9	19.9
244958 2003 YB_{144}	15.9	X	255.70907	34.56613	40.97811	10.88965	0.1443188	0.20602084	2.8391954	21	8 22.6	20.1
244959 2003 YO_{145}	15.8	X	72.21554	31.37943	48.74455	11.06093	0.2166046	0.17643497	3.1483253	21	2 24.8	19.8
244960 2003 YW_{148}	14.8	X	347.35165	23.08502	40.27122	12.62730	0.0819118	0.16167221	3.3371761	21	12 9.2	19.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
244961 2003 YJ_{150}	15.3	X	196.82417	333.54706	46.34305	11.03441	0.1218509	0.18933607	3.0036349	21	4 13.1	20.1
244962 2003 YT_{157}	16.1	X	191.78131	176.75949	19.68179	9.98371	0.0418633	0.21861949	2.7290414	21	11 14.8	20.0
244963 2003 YO_{170}	16.1	X	113.01086	261.41628	56.41574	6.94114	0.0223920	0.22071179	2.7117669	21	—	—
244964 2004 AT_{7}	17.1	X	85.49244	140.72880	132.47359	24.35263	0.0462528	0.37525693	1.9036345	21	11 24.1	19.9
244965 2004 AL_{19}	15.8	X	191.38194	307.26224	309.02683	12.48083	0.1825724	0.21894625	2.7263255	21	—	—
244966 2004 BC_{1}	17.0	X	251.06402	317.02295	243.64252	1.96041	0.0835413	0.21958180	2.7210623	21	—	—
244967 2004 BA_{17}	15.4	X	25.30153	85.10457	35.75263	11.15666	0.0472475	0.17346417	3.1841696	21	1 19.2	19.8
244968 2004 BK_{18}	15.0	X	46.49353	120.83560	34.59138	22.84508	0.0588026	0.17863392	3.1224352	21	4 4.9	19.3
244969 2004 BA_{26}	16.4	X	337.41508	239.08904	188.81576	9.26097	0.1453153	0.21588797	2.7520126	21	12 17.9	19.5
244970 2004 BU_{29}	15.7	X	52.46511	67.64110	327.73863	11.74369	0.2227497	0.22279285	2.6948539	21	—	—
244971 2004 BN_{37}	15.2	X	16.89833	229.08115	311.91543	14.21304	0.1124076	0.17862390	3.1225519	21	3 11.8	19.2
244972 2004 BX_{40}	15.7	X	89.26538	215.42861	303.77298	5.91704	0.0489847	0.18724890	3.0259136	21	5 27.5	19.9
244973 2004 BV_{41}	16.0	X	84.47678	325.39537	121.28670	14.64287	0.1165715	0.23270518	2.6177732	21	2 22.9	19.2
244974 2004 BA_{45}	17.0	X	267.41165	357.81246	125.95941	24.85755	0.0647046	0.38012082	1.8873609	21	12 28.4	18.8
244975 2004 BN_{55}	16.3	X	296.84437	42.84218	129.86724	13.21365	0.1101800	0.22132629	2.7067453	21	—	—
244976 2004 BA_{66}	16.0	X	205.80857	350.76417	309.46550	7.29567	0.0060971	0.17387858	3.1791083	21	1 17.4	20.4
244977 2004 BE_{68}	18.3	X	197.25323	191.24336	210.88982	15.73647	0.4444233	0.42198328	1.7603778	21	4 27.9	21.4
244978 2004 BZ_{77}	15.3	X	51.14209	13.61193	123.34277	10.44010	0.0363021	0.17858492	3.1230064	21	3 13.5	19.6
244979 2004 BL_{82}	15.4	X	71.43900	238.31606	263.94316	8.88700	0.1721799	0.18146127	3.0899166	21	4 28.8	19.5
244980 2004 BR_{84}	15.6	X	9.08717	298.77069	247.55226	11.69068	0.2558232	0.17564809	3.1577211	21	2 27.3	18.9
244981 2004 BF_{86}	15.1	X	23.07699	229.23742	293.76997	10.64778	0.1262824	0.17517201	3.1634398	21	3 1.1	19.0
244982 2004 BT_{91}	15.4	X	75.02895	257.69093	272.05879	9.65111	0.1179771	0.18587647	3.0407901	21	6 2.3	19.5
244983 2004 BM_{93}	16.2	X	192.15356	282.59576	177.91142	4.35093	0.1892550	0.19676917	2.9275075	21	7 11.8	21.2
244984 2004 BO_{98}	15.5	X	167.00791	38.61713	343.76423	8.28632	0.0817406	0.17432248	3.1737091	21	3 14.3	20.4
244985 2004 BN_{103}	17.2	X	171.40998	332.27587	121.31195	24.17248	0.0744726	0.36022577	1.9562283	21	6 14.2	20.0
244986 2004 BN_{109}	15.1	X	337.22972	219.56987	356.55985	17.55046	0.2134829	0.17366269	3.1817426	21	2 22.2	19.1
244987 2004 BK_{113}	15.3	X	75.92463	27.02674	111.07039	18.60640	0.1638436	0.18081953	3.0972232	21	5 8.9	19.8
244988 2004 BQ_{115}	15.7	X	73.60131	359.73555	111.07396	6.88662	0.1514343	0.17843147	3.1247965	21	3 25.5	19.8
244989 2004 BZ_{117}	16.2	X	49.38771	252.30298	225.93580	9.75177	0.2556439	0.17631117	3.1497990	21	3 1.2	19.6
244990 2004 BX_{118}	16.1	X	69.27167	111.47648	16.88392	13.59401	0.2338160	0.18048564	3.1010418	21	4 17.6	19.9
244991 2004 BD_{119}	15.8	X	169.46371	171.05884	325.73485	5.23825	0.0389036	0.19648573	2.9303222	21	8 5.7	19.9
244992 2004 BO_{119}	15.6	X	107.91915	352.75750	110.89814	12.88626	0.2428647	0.18336692	3.0684713	21	5 11.8	20.5
244993 2004 BE_{140}	16.8	X	299.42505	44.83714	134.04491	4.35541	0.0289838	0.22448698	2.6812786	21	—	—
244994 2004 BH_{147}	15.5	X	301.55717	344.20740	308.25863	9.01279	0.0094396	0.18537497	3.0462718	21	4 27.5	19.9
244995 2004 BK_{149}	16.2	X	153.15631	245.98750	107.23239	6.60435	0.0583576	0.23041676	2.6350772	21	1 12.8	19.8
244996 2004 BK_{152}	15.5	X	255.65578	5.08636	314.07498	7.03655	0.0346756	0.18303486	3.0721814	21	4 1.2	20.0
244997 2004 CT_{3}	15.4	X	332.30412	126.59958	134.67381	17.88129	0.0904330	0.18356890	3.0662200	21	4 30.2	19.7
244998 2004 CV_{7}	16.3	X	146.19619	354.44395	147.27338	12.08680	0.1520595	0.19263856	2.9692076	21	7 20.8	21.1
244999 2004 CE_{10}	15.8	X	103.46972	329.27070	119.83120	7.90298	0.1490995	0.18058342	3.0999222	21	4 6.2	20.3
245000 2004 CK_{25}	16.4	X	314.96941	282.31351	9.01471	2.60301	0.0248508	0.18760865	3.0220442	21	5 14.7	20.6
245001 2004 CQ_{29}	16.7	X	202.51370	289.77890	194.91793	0.62442	0.0552078	0.20045503	2.8915103	21	8 27.9	20.8
245002 2004 CE_{34}	15.4	X	348.48918	312.05263	286.34248	8.83357	0.0277664	0.18557455	3.0440873	21	4 17.9	19.7
245003 2004 CR_{44}	16.1	X	90.50590	219.62390	306.65077	5.81717	0.1325387	0.18910398	3.0060920	21	6 20.7	20.3
245004 2004 CN_{50}	17.0	X	353.17774	248.75940	347.74304	17.13592	0.1806115	0.34945087	1.9962364	21	3 11.8	18.2
245005 2004 CK_{53}	15.5	X	111.11397	180.22086	270.72281	6.72423	0.0967029	0.18056085	3.1001806	21	4 3.4	20.1
245006 2004 CX_{56}	15.9	X	115.31064	54.38929	36.20486	14.83972	0.3100672	0.18366037	3.0652019	21	5 4.3	20.9
245007 2004 CV_{72}	14.5	X	53.80543	30.28173	131.22578	12.65031	0.0331245	0.12437493	3.9747897	21	4 23.6	20.1
245008 2004 CQ_{76}	15.8	X	26.14557	16.57005	148.36721	8.67257	0.0813237	0.17686542	3.1432151	21	3 14.2	19.8
245009 2004 CP_{85}	15.1	X	286.12611	313.62189	337.23290	14.78161	0.0332965	0.18014241	3.1049795	21	3 31.9	19.7
245010 2004 CY_{95}	15.6	X	31.98112	274.78714	316.09702	4.18143	0.1100293	0.18565046	3.0432574	21	6 17.8	19.3
245011 2004 CM_{107}	15.7	X	353.31194	117.54762	142.76657	11.69809	0.0162998	0.18578141	3.0418273	21	5 30.1	20.1
245012 2004 CR_{107}	15.5	X	114.87436	275.99416	154.56917	12.42470	0.1416045	0.17800389	3.1297985	21	3 25.7	20.1
245013 2004 CJ_{108}	15.9	X	82.11232	40.67284	60.89230	6.96025	0.1164640	0.17737596	3.1371808	21	3 21.1	20.1
245014 2004 CU_{111}	15.7	X	130.91295	249.54820	144.76841	16.66508	0.2328406	0.17645348	3.1481052	21	3 9.1	20.7
245015 2004 CB_{115}	15.0	X	77.18201	1.12213	124.10112	29.10484	0.1255198	0.17804311	3.1293389	21	4 23.3	19.8
245016 2004 DH_{10}	15.1	X	18.57297	241.17558	302.77481	6.12281	0.1234703	0.17674961	3.1445879	21	3 22.3	19.0
245017 2004 DM_{39}	15.9	X	199.44503	273.73452	143.63533	9.71190	0.0192591	0.18724750	3.0259288	21	6 2.3	20.4
245018 2004 DL_{51}	15.5	X	17.98475	207.51173	2.12476	9.19312	0.1064874	0.17840179	3.1251431	21	4 24.1	19.4
245019 2004 DP_{59}	16.5	X	138.72261	285.65330	156.59373	4.81949	0.0419689	0.23762438	2.5815193	21	4 17.9	19.9
245020 2004 DQ_{61}	16.1	X	130.67766	135.81017	327.10432	3.18016	0.0930228	0.18381842	3.0634446	21	5 12.3	20.7
245021 2004 DN_{62}	15.8	X	94.23237	34.44273	129.91076	11.04782	0.0328698	0.18828191	3.0148358	21	6 9.8	20.1
245022 2004 DB_{66}	15.2	X	340.60330	50.70336	155.03923	10.57940	0.0321483	0.17292953	3.1907292	21	3 3.6	19.6
245023 2004 DB_{69}	16.2	X	43.84560	265.47908	117.56315	11.00093	0.1501347	0.21837381	2.7310879	21	—	—
245024 2004 EV_{3}	14.9	X	121.49335	315.11000	138.63248	28.35055	0.1433738	0.17935754	3.1140312	21	5 7.4	20.2
245025 2004 EL_{10}	15.6	X	19.94271	224.53842	344.19694	9.15019	0.0282080	0.17993563	3.1073579	21	4 23.2	20.0
245026 2004 EG_{12}	16.0	X	153.85424	323.16312	160.86583	10.65340	0.2139784	0.19055082	2.9908560	21	7 8.7	21.2
245027 2004 EQ_{13}	16.0	X	25.27016	66.15658	126.92886	5.82232	0.1044284	0.17714009	3.1399650	21	4 19.9	19.9
245028 2004 EM_{17}	15.0	X	351.08207	225.94092	31.62670	18.57932	0.2714812	0.17661226	3.1462181	21	4 30.3	18.0
245029 2004 EX_{21}	16.8	X	246.69206	111.95477	138.08926	3.58742	0.1337506	0.27667120	2.3325274	21	—	—
245030 2004 EH_{23}	15.8	X	150.10387	322.22098	138.87979	5.25625	0.1007605	0.18435427	3.0575055	21	6 2.7	20.5
245031 2004 EE_{45}	16.5	X	120.32880	190.32428	170.19008	6.28718	0.0687377	0.21985019	2.7188473	21	—	—
245032 2004 EB_{52}	15.5	X	296.32491	324.98917	347.49823	13.17004	0.0641715	0.18313224	3.0710921	21	5 7.3	20.0
245033 2004 EB_{56}	15.9	X	47.41278	294.22738	209.59647	9.84925	0.2765825	0.17473075	3.1687635	21	4 8.2	19.1
245034 2004 EE_{58}	15.8	X	123.04779	106.38869	6.95570	9.36722	0.0447483	0.18159780	3.0883676	21	5 9.1	20.3
245035 2004 EK_{63}	15.5	X	134.90098	245.18018	185.67826	26.26063	0.2243715	0.17931786	3.1144905	21	4 23.4	20.7
245036 2004 EM_{69}	16.0	X	199.53360	258.68030	171.79907	9.62917	0.0709203	0.18733698	3.0249651	21	6 16.0	20.7
245037 2004 EB_{75}	16.2	X	108.17011	87.09245	47.65520	1.59302	0.1498462	0.18380901	3.0635491	21	6 3.6	20.8
245038 2004 EL_{76}	16.0	X	127.98961	357.66187	162.49752	8.81945	0.0627527	0.18870182	3.0103615	21	7 17.6	20.5
245039 2004 EM_{77}	15.9	X	94.77307	78.03730	96.77757	2.95750	0.1195361	0.18572669	3.0424247	21	7 5.1	20.0
245040 2004 EZ_{80}	15.9	X	71.34522	87.42294	27.75520	16.43724	0.2444861	0.17627798	3.1501943	21	4 9.7	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
245041 2004 EK_{87}	16.0	X	207.33742	0.84702	52.90905	1.98196	0.1051793	0.18725518	3.0258460	21	6 1.4	20.7
245042 2004 FZ_{19}	16.3	X	349.44915	356.93716	190.98912	8.00988	0.0765709	0.22826961	2.6515755	21	2 3.3	19.8
245043 2004 FD_{20}	16.6	X	34.34995	295.54798	277.02302	2.11474	0.2444462	0.17946811	3.1127520	21	6 12.7	19.8
245044 2004 FU_{24}	15.4	X	307.63525	340.30579	292.13500	7.89189	0.0484252	0.17691714	3.1426025	21	4 5.3	20.0
245045 2004 FQ_{26}	16.5	X	49.55620	265.77978	11.52299	7.55294	0.3520779	0.18881242	3.0091858	21	10 20.5	20.7
245046 2004 FT_{31}	16.9	X	2.94836	147.20128	158.23811	23.22707	0.0804732	0.35603179	1.9715609	21	8 21.1	18.4
245047 2004 FN_{46}	16.0	X	194.17569	15.99644	207.79081	8.57664	0.2557862	0.20565029	2.8426049	21	12 5.3	20.9
245048 2004 FL_{69}	16.0	X	16.30200	192.42882	31.87868	2.68408	0.1233637	0.17717712	3.1395275	21	5 14.0	19.8
245049 2004 FU_{71}	16.2	X	45.68882	142.41110	32.84443	3.20117	0.0225996	0.17778567	3.1323591	21	4 18.8	20.4
245050 2004 FA_{79}	16.5	X	35.32718	159.28352	53.96699	0.46353	0.1064235	0.18010554	3.1054032	21	5 30.2	20.3
245051 2004 FK_{80}	16.3	X	103.84698	77.51257	24.64839	3.46735	0.1488994	0.17851986	3.1237650	21	4 19.1	20.7
245052 2004 FO_{85}	15.4	X	258.55290	287.92290	35.55580	15.78899	0.0518251	0.17528667	3.1620601	21	4 14.4	20.0
245053 2004 FT_{91}	15.2	X	311.25182	173.22056	78.40595	13.33993	0.0919813	0.17124602	3.2116070	21	3 21.4	19.8
245054 2004 FW_{97}	15.7	X	124.91404	39.66190	83.68198	9.55464	0.2652859	0.18501769	3.0501923	21	6 17.8	20.7
245055 2004 FS_{98}	15.6	X	128.51085	64.20065	26.43352	5.32306	0.1336307	0.17913332	3.1166292	21	4 29.9	20.3
245056 2004 FN_{107}	15.4	X	14.92551	21.55092	204.32572	11.67460	0.2002305	0.17567643	3.1573814	21	5 17.6	18.7
245057 2004 FW_{129}	15.4	X	343.22994	31.02352	176.11124	18.42088	0.1865635	0.16969006	3.2312095	21	2 17.5	19.4
245058 2004 FL_{132}	15.8	X	230.37987	212.38782	185.25513	9.29218	0.0845922	0.18701116	3.0284776	21	6 8.1	20.4
245059 2004 FS_{133}	17.1	X	327.17738	212.98215	58.24943	22.77565	0.0367945	0.35249426	1.9847296	21	4 26.0	19.2
245060 2004 FF_{147}	15.3	X	84.56989	319.18114	217.10694	26.90800	0.1078390	0.18180281	3.0860455	21	6 18.9	20.0
245061 2004 FN_{148}	15.4	X	22.65192	175.60188	71.55989	18.77391	0.1452253	0.18127828	3.0919956	21	6 26.2	19.1
245062 2004 GF_{3}	15.4	X	312.97771	126.10020	205.84214	9.48944	0.0754595	0.18397220	3.0617373	21	6 27.8	19.6
245063 2004 GD_{5}	15.3	X	81.72498	80.06572	76.24110	11.08126	0.0625886	0.17722462	3.1389665	21	5 18.9	19.6
245064 2004 GL_{7}	15.7	X	324.95489	214.29294	24.13904	9.63302	0.0374527	0.17494028	3.1662328	21	3 24.5	20.1
245065 2004 GV_{10}	16.0	X	122.50563	36.70807	45.31324	5.40887	0.1411490	0.18267003	3.0762705	21	4 15.1	20.6
245066 2004 GG_{12}	15.9	X	98.88495	262.72431	230.16246	11.45609	0.3091378	0.18116771	3.0932535	21	6 10.8	20.8
245067 2004 GX_{21}	15.3	X	53.68511	306.46085	205.74212	15.69322	0.1810482	0.17679477	3.1440524	21	4 18.3	18.9
245068 2004 GY_{39}	15.7	X	27.80136	289.17210	277.53297	7.40134	0.0786449	0.17513108	3.1639327	21	5 6.0	19.8
245069 2004 GG_{53}	17.0	X	197.57590	242.29712	195.85492	12.69939	0.2238108	0.24413899	2.5353891	21	6 18.1	21.5
245070 2004 GA_{57}	16.5	X	81.09813	141.44803	5.76794	0.59636	0.1413225	0.17915316	3.1163991	21	5 16.3	20.5
245071 2004 GX_{58}	15.8	X	241.58496	287.86535	215.18530	5.13312	0.0659417	0.20154236	2.8811010	21	11 4.5	19.7
245072 2004 GR_{59}	15.9	X	31.50152	44.00354	185.38066	9.43943	0.1345439	0.18021922	3.1040972	21	6 17.7	19.8
245073 2004 GS_{77}	15.4	X	34.03944	139.40856	77.03302	23.85162	0.1393362	0.17805011	3.1292569	21	6 5.3	18.9
245074 2004 HJ	14.8	X	316.04222	166.39955	141.74722	29.20918	0.1789827	0.17624904	3.1505391	21	5 27.2	19.4
245075 2004 HB_{12}	15.5	X	336.74228	51.09508	214.31000	17.30543	0.1021999	0.17359079	3.1826211	21	5 5.4	19.6
245076 2004 HC_{64}	15.1	X	317.25024	78.10616	178.12468	17.23057	0.1100094	0.16811697	3.2513348	21	3 26.2	19.5
245077 2004 JV_{1}	14.9	X	6.04745	11.03931	264.62637	13.21986	0.1101587	0.17973700	3.1096468	21	7 4.3	18.7
245078 2004 JU_{36}	16.8	X	150.85317	46.38208	217.94988	4.20017	0.1948082	0.20048877	2.8911859	21	12 19.4	21.8
245079 2004 JD_{42}	14.7	X	34.04857	340.83919	301.96932	22.74254	0.2801511	0.17728218	3.1382870	21	9 10.2	18.8
245080 2004 LN_{4}	14.8	X	345.13457	72.61964	254.66259	8.46349	0.1729809	0.17967607	3.1103497	21	8 3.7	18.4
245081 2004 MK_{6}	16.4	X	291.05691	159.44116	145.20389	25.03153	0.1895368	0.27908718	2.3190465	21	4 3.6	19.9
245082 2004 NY_{10}	16.1	X	355.74950	144.17109	136.80957	7.08151	0.2410062	0.22891813	2.6465652	21	6 19.6	18.1
245083 2004 NK_{14}	15.7	X	73.97872	90.78540	173.93557	4.08111	0.1319498	0.18224043	3.0811031	21	10 3.9	19.9
245084 2004 NV_{28}	17.7	X	151.06153	31.28295	243.08691	4.02523	0.1625161	0.31193991	2.1532217	21	—	—
245085 2004 OV_{6}	15.6	X	340.47853	308.98830	60.85395	1.63402	0.1735103	0.17938557	3.1137068	21	9 27.3	18.9
245086 2004 OL_{11}	15.3	X	28.20248	195.77067	79.37297	12.26309	0.1946264	0.17486590	3.1671306	21	8 26.4	19.2
245087 2004 PU	15.3	X	77.69049	348.46727	299.28061	8.41698	0.1004394	0.18278233	3.0750103	21	10 28.2	19.9
245088 2004 PJ_{7}	16.7	X	324.68054	344.94650	313.78480	5.47536	0.1750025	0.28301345	2.2975484	21	5 8.3	19.0
245089 2004 PZ_{8}	17.3	X	284.87294	346.43903	346.35810	6.51965	0.1742082	0.27987623	2.3146858	21	4 27.7	20.4
245090 2004 PB_{9}	17.4	X	3.92316	199.46343	126.92675	3.75858	0.1867475	0.29182598	2.2510583	21	10 5.7	19.0
245091 2004 PA_{12}	15.3	X	57.22564	165.87040	144.67151	16.77549	0.0598409	0.18286846	3.0740447	21	11 3.9	19.9
245092 2004 PA_{14}	15.3	X	90.06621	112.96552	136.97547	20.73371	0.2243790	0.18125948	3.0922094	21	10 20.5	20.5
245093 2004 PC_{24}	14.5	X	86.89301	323.08999	308.35267	10.31607	0.2058822	0.12557974	3.9493262	21	10 23.3	20.5
245094 2004 PT_{25}	17.0	X	129.09982	302.29900	45.52864	2.29630	0.2051652	0.25693551	2.4504921	21	—	—
245095 2004 PY_{25}	14.8	X	294.73399	84.98388	323.25718	24.46194	0.2645849	0.17203638	3.2017631	21	8 13.6	19.0
245096 2004 PF_{27}	14.8	X	328.79805	255.26160	102.03606	10.36011	0.1041251	0.17411302	3.1762540	21	8 25.8	18.8
245097 2004 PD_{33}	17.9	X	63.22770	351.84423	330.38561	2.15940	0.1638841	0.30180230	2.2011739	21	12 25.0	20.8
245098 2004 PN_{34}	17.4	X	54.99145	140.17856	149.25515	4.32742	0.1426726	0.29640065	2.2278363	21	10 30.1	20.1
245099 2004 PQ_{37}	16.0	X	7.56042	306.26294	327.40885	10.80570	0.1674131	0.22795063	2.6540485	21	7 9.6	18.6
245100 2004 PY_{38}	15.8	X	4.55289	290.04266	333.64853	10.74572	0.1585461	0.22424434	2.6832124	21	6 14.6	18.7
245101 2004 PS_{39}	17.1	X	325.08176	171.07477	158.66921	6.90221	0.1455632	0.28575627	2.2828228	21	7 5.7	19.1
245102 2004 PL_{40}	15.5	X	315.96212	173.83416	161.83876	13.96736	0.2587832	0.22556230	2.6727502	21	6 11.2	18.8
245103 2004 PW_{58}	15.1	X	329.71146	34.51767	315.15416	8.44199	0.0491449	0.17260279	3.1947546	21	8 16.8	19.3
245104 2004 PF_{59}	18.0	X	69.57180	39.82082	282.94956	1.86095	0.1666978	0.30311407	2.1948187	21	—	—
245105 2004 PB_{65}	17.1	X	172.48583	41.31909	312.02455	2.46861	0.1139605	0.26448250	2.4036511	21	2 3.4	20.6
245106 2004 PL_{70}	17.0	X	350.38282	82.61179	316.33454	16.27704	0.2094875	0.23959368	2.5673543	21	12 16.7	19.7
245107 2004 PG_{79}	17.0	X	279.79918	133.05310	199.90041	5.99528	0.1523983	0.27922723	2.3182710	21	4 28.2	19.9
245108 2004 PY_{80}	17.5	X	298.31500	219.41254	130.53253	3.99495	0.1374787	0.28469044	2.2885169	21	6 20.3	20.0
245109 2004 PR_{89}	16.1	X	355.70574	121.85333	211.86034	4.10204	0.2012362	0.17364783	3.1819241	21	9 5.1	19.4
245110 2004 PO_{97}	15.5	X	28.76520	333.80717	328.55750	8.69337	0.0805825	0.17472042	3.1688883	21	9 10.7	19.7
245111 2004 PM_{98}	15.0	X	344.69795	247.56061	98.61809	10.39024	0.1002335	0.17460268	3.1703128	21	9 7.4	19.0
245112 2004 PE_{101}	16.8	X	34.31261	339.46504	323.31527	6.71343	0.1839058	0.29249490	2.2476250	21	10 20.1	19.3
245113 2004 PD_{114}	14.8	X	357.96763	197.48142	117.82207	17.19829	0.1254136	0.17072031	3.2181967	21	8 16.5	18.7
245114 2004 PJ_{114}	16.5	X	15.65935	358.23456	27.38344	6.64479	0.2136446	0.24212536	2.5494267	21	—	—
245115 2004 QO_{12}	17.5	X	110.74751	201.20886	104.52937	9.19795	0.2519642	0.30747985	2.1739937	21	—	—
245116 2004 QY_{12}	15.2	X	29.51080	245.44696	76.18989	10.28157	0.1053188	0.17838375	3.1253538	21	10 16.8	19.4
245117 2004 QN_{14}	16.6	X	287.26175	136.54198	192.04778	8.47864	0.2114312	0.27992293	2.3144283	21	4 23.4	19.7
245118 2004 QG_{18}	16.4	X	216.13054	61.28880	286.48808	11.72728	0.3000671	0.26711356	2.3878411	21	3 5.6	21.1
245119 2004 QS_{20}	14.5	X	1.76668	25.25437	287.70875	16.90246	0.1547593	0.17189198	3.2035559	21	8 12.8	18.4
245120 2004 QP_{21}	17.1	X	297.95302	38.71287	351.48748	4.62212	0.1417926	0.28908138	2.2652839	21	8 22.5	19.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
245121 2004 QX_{27}	15.3	X	24.34878	301.10651	13.46577	10.86701	0.1309692	0.17814722	3.1281196	21	9 29.2	19.1
245122 2004 RG_{6}	16.3	X	332.78274	262.12128	84.99893	11.34892	0.2175467	0.22957886	2.6414848	21	8 14.4	18.8
245123 2004 RE_{18}	17.3	X	313.51751	284.88135	104.66239	5.60070	0.1717356	0.28962995	2.2624226	21	9 21.2	19.1
245124 2004 RN_{47}	16.0	X	282.52298	348.35996	348.41846	7.05189	0.2884583	0.22101410	2.7092935	21	4 20.0	20.2
245125 2004 RQ_{52}	15.2	X	269.51609	57.71448	7.68109	5.15709	0.1173235	0.16957239	3.2327042	21	8 24.6	19.7
245126 2004 RJ_{57}	17.4	X	343.94924	207.72940	191.97284	6.94341	0.1065345	0.29748843	2.2224022	21	12 10.4	19.6
245127 2004 RD_{65}	17.0	X	22.17480	170.30887	159.23779	3.84657	0.1920839	0.29411803	2.2393482	21	11 15.8	19.2
245128 2004 RE_{66}	17.0	X	239.58075	209.80366	189.15468	3.16715	0.0894509	0.27944798	2.3170500	21	6 17.0	20.0
245129 2004 RR_{68}	17.0	X	336.49858	177.11716	161.00170	5.50596	0.1877473	0.28708695	2.2757633	21	8 11.4	18.5
245130 2004 RB_{76}	17.3	X	353.84668	224.55156	139.35651	5.49708	0.1372956	0.29253804	2.2474040	21	11 8.2	19.3
245131 2004 RD_{78}	16.8	X	298.73897	9.94581	5.74481	7.10727	0.1171897	0.28504969	2.2865937	21	8 6.7	19.2
245132 2004 RV_{88}	15.6	X	2.86575	81.28061	234.70076	7.94526	0.2613458	0.17493445	3.1663031	21	8 27.9	18.7
245133 2004 RL_{94}	16.0	X	268.48002	88.97981	250.64535	4.33479	0.0706874	0.21910460	2.7250118	21	5 7.9	19.7
245134 2004 RT_{95}	15.3	X	43.97769	116.45738	180.17563	10.50820	0.0861045	0.17725346	3.1386260	21	9 28.1	19.4
245135 2004 RP_{104}	16.6	X	135.36864	176.10817	228.53079	5.08242	0.1190363	0.26259685	2.4151441	21	2 25.8	19.8
245136 2004 RJ_{106}	17.2	X	302.10035	49.46446	314.53940	2.58212	0.1852730	0.28379751	2.2933147	21	7 10.2	19.4
245137 2004 RY_{106}	16.6	X	62.81641	334.40513	338.62556	11.99114	0.1813469	0.24234598	2.5478792	21	12 2.2	20.5
245138 2004 RU_{172}	17.6	X	233.55464	175.99230	249.61282	5.31508	0.0707477	0.28397634	2.2923518	21	7 18.3	20.5
245139 2004 RQ_{214}	16.4	X	232.27116	26.06292	289.98662	9.68979	0.2579167	0.26834334	2.3805401	21	2 10.9	20.7
245140 2004 RX_{237}	17.0	X	63.93017	217.90938	325.58761	4.42133	0.1760086	0.27622068	2.3350629	21	6 10.1	19.4
245141 2004 RM_{248}	17.0	X	189.06249	261.11007	114.29852	3.27645	0.2097083	0.26500767	2.4004744	21	3 25.5	21.0
245142 2004 RQ_{257}	15.8	X	156.23910	37.47458	1.02649	4.92236	0.1526926	0.20523238	2.8464624	21	3 25.2	20.3
245143 2004 RR_{257}	14.6	X	333.94575	348.14374	355.77382	7.65470	0.0536427	0.16741041	3.2604765	21	8 17.8	18.9
245144 2004 RB_{288}	15.8	X	232.24845	6.13507	38.48667	5.31711	0.1081294	0.21701726	2.7424572	21	6 14.9	20.0
245145 2004 RW_{291}	16.6	X	318.35843	34.03943	264.38836	5.28846	0.1098335	0.27764171	2.3270885	21	5 9.8	19.1
245146 2004 RV_{311}	16.9	X	238.20807	201.58894	194.11437	6.55816	0.1025224	0.27755931	2.3275491	21	6 9.7	20.1
245147 2004 RS_{319}	16.1	X	133.92275	322.68891	308.42584	8.93928	0.0593796	0.24506415	2.5290040	21	12 18.7	19.8
245148 2004 RJ_{329}	17.2	X	37.35726	58.40634	255.06547	6.48156	0.1035536	0.29322253	2.2439051	21	10 28.6	19.7
245149 2004 RZ_{331}	17.4	X	349.35933	308.12465	74.29442	7.36635	0.1416751	0.29462718	2.2367675	21	11 27.4	19.2
245150 2004 RM_{332}	16.6	X	312.69680	305.38817	102.66029	14.18169	0.2641814	0.23063242	2.6334342	21	10 1.2	19.2
245151 2004 RG_{339}	17.1	X	335.40301	161.12408	217.17250	4.17066	0.1448366	0.29001615	2.2604137	21	10 20.4	18.8
245152 2004 RP_{341}	16.2	X	34.06747	146.47133	144.97144	1.85597	0.1501506	0.17582172	3.1556418	21	9 15.9	20.0
245153 2004 SJ_{13}	17.8	X	33.82257	243.25949	142.35431	6.09996	0.1856235	0.30219063	2.1992877	21	—	—
245154 2004 SO_{15}	16.3	X	261.54975	295.98646	84.64773	7.32450	0.1538666	0.22118948	2.7078612	21	6 12.0	20.2
245155 2004 SC_{17}	17.2	X	35.43583	237.96642	95.90264	7.42719	0.2047007	0.29659581	2.2268590	21	12 12.7	19.7
245156 2004 SH_{41}	17.3	X	293.25182	350.81973	27.45010	3.45880	0.1793446	0.28310842	2.2970345	21	7 18.9	19.7
245157 2004 TK_{3}	18.2	X	103.50557	180.25020	190.37944	1.49699	0.1436882	0.31044880	2.1601110	21	—	—
245158 Thomasandrews	17.3	X	102.06102	34.63427	291.98061	3.77825	0.2309979	0.30412792	2.1899382	21	—	—
245159 2004 TM_{29}	17.3	X	140.04665	286.57589	177.16521	6.23460	0.0823270	0.27199772	2.3591698	21	5 20.6	20.5
245160 2004 TG_{41}	16.7	X	251.59066	294.37649	67.44491	6.84605	0.1290634	0.27393058	2.3480592	21	5 7.9	19.9
245161 2004 TY_{42}	16.6	X	40.02466	177.54751	10.26681	7.11349	0.0947000	0.26737811	2.3862658	21	4 20.9	19.0
245162 2004 TO_{55}	17.0	X	167.60810	196.02141	202.76242	6.22485	0.1129343	0.26367451	2.4085589	21	3 27.5	20.3
245163 2004 TW_{89}	16.5	X	7.24730	347.67110	296.64548	12.20023	0.1593716	0.28272368	2.2991180	21	7 24.8	18.3
245164 2004 TC_{90}	17.5	X	64.03536	16.10824	278.17752	2.39112	0.1649369	0.29336823	2.2431621	21	11 17.3	20.4
245165 2004 TA_{97}	17.0	X	320.53117	104.57750	196.10768	5.07359	0.1136869	0.27660607	2.3328935	21	5 18.5	19.4
245166 2004 TB_{101}	16.6	X	285.35059	57.91669	182.33172	4.45959	0.1093023	0.26099608	2.4250092	21	1 9.3	20.0
245167 2004 TR_{103}	16.8	X	143.01437	266.57598	196.31838	7.94461	0.0806322	0.27290805	2.3539206	21	5 22.6	20.0
245168 2004 TE_{104}	16.9	X	179.49802	67.94967	8.08474	7.00441	0.0885201	0.27648306	2.3335854	21	5 26.5	20.2
245169 2004 TE_{109}	16.9	X	226.85631	192.43008	228.48742	4.18897	0.2067210	0.27611475	2.3356601	21	6 22.1	20.6
245170 2004 TE_{116}	16.8	X	60.59440	159.63993	302.28642	7.53372	0.0397488	0.25916891	2.4363936	21	1 21.5	19.6
245171 2004 TM_{116}	16.7	X	340.24731	82.83336	275.04270	6.27275	0.1494146	0.28854288	2.2681014	21	9 22.6	18.7
245172 2004 TU_{124}	16.8	X	267.33726	281.01105	101.41088	2.87495	0.2012187	0.22187358	2.7022923	21	6 14.8	20.9
245173 2004 TA_{135}	16.9	X	286.73729	250.41879	174.81381	4.52015	0.2208086	0.22908562	2.6452750	21	9 3.5	19.8
245174 2004 TO_{135}	16.4	X	232.58935	141.95324	234.49115	6.18012	0.1886358	0.27286851	2.3541480	21	5 1.1	20.1
245175 2004 TL_{136}	16.1	X	189.13703	96.28364	327.89914	7.06778	0.2184585	0.21259626	2.7803468	21	5 24.3	21.0
245176 2004 TO_{136}	16.3	X	243.29599	100.70796	241.67195	6.29186	0.1475997	0.27072281	2.3665707	21	3 29.2	19.9
245177 2004 TD_{138}	15.8	X	289.02096	354.98086	45.29999	13.87633	0.1879110	0.22290919	2.6939161	21	8 15.6	19.4
245178 2004 TW_{143}	16.6	X	197.34459	215.78323	200.32239	2.29432	0.1820569	0.21251219	2.7810800	21	5 23.4	21.3
245179 2004 TZ_{172}	15.7	X	289.91430	78.15073	251.19141	12.06796	0.1638341	0.21600077	2.7510545	21	5 7.5	19.5
245180 2004 TQ_{173}	14.5	X	164.05817	166.11008	303.33359	8.64901	0.0739047	0.15542142	3.4260640	21	6 26.6	19.7
245181 2004 TD_{176}	16.9	X	245.86293	346.36390	37.16449	4.16622	0.1858519	0.27457250	2.3443981	21	5 23.5	20.5
245182 2004 TM_{190}	17.4	X	263.97949	58.48542	192.26915	6.46463	0.0835898	0.25916273	2.4364323	21	1 1.7	21.0
245183 2004 TP_{210}	17.3	X	111.30557	201.06367	348.16805	2.78358	0.0972958	0.28043133	2.3116302	21	8 13.8	20.4
245184 2004 TD_{239}	17.2	X	37.39782	77.53909	212.35550	2.21093	0.0603179	0.28515721	2.2860188	21	9 16.9	19.7
245185 2004 TA_{247}	16.8	X	11.61948	208.30319	121.21394	8.91297	0.2263023	0.29052788	2.2577586	21	11 5.3	18.9
245186 2004 TW_{255}	17.6	X	115.66807	278.06985	358.29439	1.49701	0.1436844	0.29978975	2.2110142	21	12 17.1	20.8
245187 2004 TN_{266}	16.9	X	151.16251	231.54685	209.35147	7.95925	0.0835873	0.26747157	2.3857099	21	5 2.3	20.1
245188 2004 TD_{273}	17.1	X	77.37828	263.49503	339.15158	2.62862	0.1228139	0.28181108	2.3040788	21	9 17.0	19.9
245189 2004 TV_{273}	16.7	X	325.16294	205.52366	240.55934	3.11893	0.2136739	0.23541113	2.5976744	21	12 28.3	18.8
245190 2004 TA_{283}	16.8	X	263.86693	312.87870	40.77058	5.76694	0.2639660	0.27455652	2.3444891	21	4 25.4	20.6
245191 2004 TN_{287}	16.9	X	293.49979	178.54758	196.72195	4.90392	0.1763502	0.28172942	2.3045241	21	7 13.0	19.5
245192 2004 TA_{288}	17.4	X	306.60387	193.24551	162.86588	2.43635	0.1521338	0.28182343	2.3040116	21	7 11.3	19.7
245193 2004 TB_{299}	16.7	X	72.59301	163.57869	192.69045	3.32435	0.1583069	0.24332733	2.5410241	21	—	—
245194 2004 TQ_{301}	16.7	X	137.98281	34.55014	61.98613	5.72964	0.1644400	0.26694695	2.3888346	21	5 16.1	20.0
245195 2004 TP_{304}	17.3	X	155.71079	221.11517	197.14831	2.37292	0.1417593	0.26707613	2.3880642	21	4 12.1	20.8
245196 2004 TA_{325}	17.3	X	301.39329	16.94244	348.37777	2.25038	0.1223878	0.28188258	2.3036892	21	7 22.7	19.7
245197 2004 TC_{332}	17.3	X	352.15634	116.53948	199.44327	2.87333	0.1818318	0.28403548	2.2920336	21	8 12.6	18.9
245198 2004 TN_{340}	16.5	X	284.37891	1.39165	77.71965	12.74258	0.1513040	0.22972802	2.6403413	21	10 8.9	19.9
245199 2004 TO_{366}	16.5	X	108.66452	12.38546	54.50466	14.17751	0.1980898	0.25847942	2.4407244	21	3 16.8	19.9
245200 2004 UJ_{2}	17.0	X	259.14482	331.04821	66.85791	6.46154	0.1668143	0.28085316	2.3093150	21	6 29.9	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
245201 2004 UQ_4	15.9	X	11.79828	87.10762	296.18022	14.21430	0.1422952	0.23629273	2.5912092	21	12 22.3	19.0
245202 2004 UG_9	16.5	X	359.28432	291.08009	10.13814	7.50557	0.1681236	0.28160314	2.3052130	21	8 9.1	18.3
245203 2004 VL_5	16.0	X	359.35538	350.36468	24.71289	12.48102	0.1910819	0.23297953	2.6157177	21	11 21.3	18.8
245204 2004 VG_6	16.3	X	322.15444	306.72146	87.20523	3.87176	0.0878868	0.22828123	2.6514854	21	10 10.2	19.4
245205 2004 VT_{15}	16.7	X	339.58300	263.76293	72.88450	6.80840	0.2153396	0.28664250	2.2781151	21	8 21.1	18.1
245206 2004 VT_{24}	16.7	X	280.19721	341.65984	1.56222	6.32900	0.1994903	0.27569106	2.3380525	21	5 3.7	20.0
245207 2004 VZ_{25}	17.3	X	279.77586	141.16539	242.70706	1.61034	0.1716818	0.27927938	2.3179824	21	7 6.3	19.9
245208 2004 VO_{38}	17.5	X	121.46250	47.68211	44.31362	1.40508	0.1564536	0.26176329	2.4202685	21	4 20.7	20.7
245209 2004 VZ_{52}	16.1	X	312.19338	182.41984	232.21114	12.33875	0.1470181	0.22949915	2.6420965	21	10 12.6	19.1
245210 2004 VL_{57}	16.1	X	314.65018	144.81547	257.93316	5.38768	0.1429205	0.22736472	2.6586061	21	9 29.9	19.1
245211 2004 VY_{57}	15.7	X	358.61531	184.33279	234.60157	10.12274	0.1426957	0.23572772	2.5953481	21	—	—
245212 2004 VF_{72}	16.8	X	334.11098	132.58496	230.08500	5.51034	0.1294763	0.28431495	2.2905314	21	9 17.8	18.8
245213 2004 VA_{96}	15.5	X	25.06238	326.70956	157.21614	11.71600	0.0484345	0.19284903	2.9670469	21	1 14.5	19.6
245214 2004 WZ_8	16.0	X	357.06480	139.57670	326.48397	3.52102	0.2109515	0.24151742	2.5537032	21	—	—
245215 2004 WW_9	16.1	X	272.59996	313.93757	58.78529	24.12553	0.3008042	0.28136103	2.3065352	21	5 23.3	19.6
245216 2004 XG_5	14.7	X	38.60782	127.75641	298.33565	2.51401	0.2531880	0.12418599	3.9788201	21	—	—
245217 2004 XL_{19}	15.8	X	327.11400	306.66351	83.25296	15.57523	0.1037677	0.22621666	2.6675935	21	10 18.8	19.1
245218 2004 XN_{20}	16.8	X	310.01036	231.50986	141.04227	1.68465	0.2669111	0.28239942	2.3008776	21	7 23.6	18.7
245219 2004 XU_{20}	16.4	X	238.89961	196.64313	276.26608	6.51342	0.0463214	0.28180910	2.3040897	21	10 2.2	19.5
245220 2004 XY_{21}	16.6	X	87.43275	175.98723	256.05143	5.65455	0.1574487	0.25152613	2.4855012	21	2 4.4	19.5
245221 2004 XJ_{28}	15.9	X	356.25946	224.71132	220.36677	29.66273	0.2283929	0.23852267	2.5750338	21	—	—
245222 2004 XW_{37}	15.8	X	161.84680	229.82029	183.13001	15.05608	0.1414638	0.20410707	2.8569152	21	4 18.5	20.3
245223 2004 XC_{45}	17.2	X	216.93266	300.40895	95.35798	3.40011	0.2230647	0.26922853	2.3753193	21	5 11.9	21.1
245224 2004 XF_{53}	16.9	X	31.61152	190.06208	95.93982	3.65770	0.1620862	0.27812980	2.3243652	21	9 20.4	19.2
245225 2004 XV_{77}	17.0	X	28.67477	8.72443	76.31966	7.85079	0.1325519	0.24391911	2.5369125	21	—	—
245226 2004 XM_{88}	17.8	X	51.14206	115.42803	274.06998	2.53221	0.1719049	0.29986294	2.2106544	21	—	—
245227 2004 XH_{98}	16.8	X	157.32582	268.78200	84.75276	4.97680	0.0748398	0.24757206	2.5118959	21	1 17.1	20.1
245228 2004 XD_{100}	16.1	X	113.80929	93.22788	272.83955	2.05687	0.1597917	0.24450282	2.5328733	21	—	—
245229 2004 XF_{100}	16.5	X	297.58499	140.70368	272.24055	7.31475	0.1625634	0.22212151	2.7002811	21	9 9.1	19.8
245230 2004 XL_{106}	16.7	X	321.50229	326.65794	53.25418	7.34816	0.2402230	0.28436530	2.2902610	21	9 17.0	18.1
245231 2004 XL_{113}	16.8	X	24.21414	213.61680	69.22472	5.12463	0.1302188	0.27724614	2.3293015	21	8 28.2	19.0
245232 2004 XH_{119}	16.1	X	34.09184	182.84940	292.09134	3.55281	0.0839839	0.18588386	3.0407095	21	1 18.5	19.8
245233 2004 XF_{126}	15.9	X	309.24035	270.36878	108.07862	13.45850	0.2829013	0.22459429	2.6804245	21	7 26.7	18.6
245234 2004 XM_{126}	16.0	X	78.84044	141.60719	267.40565	13.67589	0.0939941	0.24579760	2.5239706	21	—	—
245235 2004 XK_{129}	15.3	X	97.19471	343.86936	75.07523	12.81226	0.0982329	0.18734530	3.0248755	21	2 12.9	19.6
245236 2004 XL_{130}	16.2	X	92.77905	75.78725	299.17127	22.65386	0.2813651	0.30204795	2.1999803	21	—	—
245237 2004 XW_{132}	15.8	X	325.71530	59.89958	266.44851	22.02620	0.2125767	0.27911575	2.3188883	21	6 20.6	17.6
245238 2004 XW_{134}	16.1	X	24.70426	340.24416	70.50906	15.30103	0.1285865	0.23808237	2.5782077	21	—	—
245239 2004 XL_{141}	15.1	X	348.69545	339.83794	118.87348	5.15931	0.1405841	0.17685131	3.1433822	21	—	—
245240 2004 XM_{146}	15.7	X	283.43402	300.76508	112.43877	12.69967	0.1749675	0.21848225	2.7301842	21	8 22.9	19.3
245241 2004 XC_{160}	16.3	X	252.53028	74.35243	77.78930	12.36225	0.1301143	0.22729624	2.6591401	21	11 25.8	19.7
245242 2004 XF_{162}	16.4	X	39.61225	76.69090	346.79898	3.41431	0.1811796	0.24044448	2.5612944	21	—	—
245243 2004 XU_{162}	16.2	X	346.50898	19.56314	77.01723	7.64579	0.1444850	0.23428020	2.6060275	21	—	—
245244 2004 XF_{163}	16.1	X	108.22508	143.72384	60.50215	4.85356	0.0125263	0.21313187	2.7756868	21	8 17.7	19.9
245245 2004 XG_{163}	16.1	X	264.16896	285.33713	210.13014	7.73098	0.2988833	0.22393342	2.6856955	21	10 23.2	19.4
245246 2004 XD_{186}	15.6	X	351.79351	205.85036	317.03748	11.34198	0.0009726	0.18673985	3.0314102	21	1 25.5	19.9
245247 2004 YP	15.9	X	296.20301	78.63020	13.38412	26.23029	0.2308386	0.22642526	2.6659549	21	10 20.0	18.9
245248 2004 YZ	16.9	X	160.52029	104.94875	74.04783	27.84785	0.0222275	0.39364957	1.8438667	21	10 28.8	19.4
245249 2004 YT_1	16.2	X	310.99982	285.84320	106.95483	22.73896	0.2336145	0.28325200	2.2962582	21	9 19.1	18.6
245250 2004 YG_3	15.5	X	348.20833	162.48570	219.05991	13.03136	0.1722493	0.22936570	2.6431211	21	11 9.1	18.0
245251 2004 YH_4	16.4	X	290.88578	266.32145	109.57974	4.94840	0.1157944	0.21395046	2.7686022	21	7 20.2	19.9
245252 2004 YZ_{26}	16.2	X	30.38828	325.39335	123.34622	8.83271	0.1655138	0.23591370	2.5939839	21	—	—
245253 2004 YC_{31}	16.7	X	97.14192	303.17273	138.32770	7.86018	0.1651364	0.25263662	2.4782124	21	3 9.7	19.6
245254 2004 YE_{33}	16.8	X	296.90535	230.07217	159.12297	5.91598	0.2163020	0.28235725	2.3011067	21	8 2.6	19.2
245255 2005 AU_1	16.1	X	43.43159	280.55461	128.26852	11.14112	0.2045238	0.23815959	2.5776503	21	—	—
245256 2005 AW_7	15.8	X	61.51619	125.15126	317.75858	12.03025	0.1795579	0.18491175	3.0513572	21	1 29.7	19.2
245257 2005 AG_8	16.5	X	262.64698	29.92767	104.28073	5.20667	0.2363300	0.22446759	2.6814330	21	10 31.5	20.1
245258 2005 AM_{14}	16.0	X	241.68697	152.23047	328.25804	4.16758	0.1238947	0.21979894	2.7192699	21	9 29.7	19.9
245259 2005 AL_{16}	16.3	X	191.57650	214.56443	287.22209	6.78872	0.1946376	0.21446111	2.7642057	21	8 29.1	21.0
245260 2005 AM_{18}	15.9	X	61.91156	99.28442	300.91082	6.23468	0.2695964	0.24022329	2.5628664	21	—	—
245261 2005 AX_{21}	16.2	X	346.34586	30.92669	106.93864	12.97394	0.1209410	0.23867911	2.5739086	21	—	—
245262 2005 AA_{26}	16.7	X	197.92219	270.43632	122.50872	6.06355	0.1574962	0.26130948	2.4230699	21	4 24.9	20.6
245263 2005 AH_{29}	16.7	X	95.46345	326.14008	124.77290	6.80165	0.1947962	0.25280995	2.4770795	21	3 26.3	19.7
245264 2005 AC_{43}	15.9	X	358.30424	300.30671	129.14106	12.47538	0.1643537	0.23257124	2.6187781	21	—	—
245265 2005 AT_{45}	17.2	X	24.26585	277.33007	114.85076	5.40041	0.1935986	0.29280954	2.2460145	21	—	—
245266 2005 AF_{54}	15.8	X	24.22906	77.62046	43.36017	2.28286	0.1320257	0.18165542	3.0877146	21	1 11.9	19.4
245267 2005 AW_{56}	15.6	X	359.25766	123.81512	56.38542	10.98173	0.1635113	0.18726327	3.0257589	21	2 15.9	19.3
245268 2005 AB_{58}	15.9	X	257.21257	331.95045	71.91279	14.25801	0.1726388	0.21264857	2.7798909	21	7 4.9	20.2
245269 2005 AP_{61}	15.7	X	329.63885	64.42718	323.61038	21.05750	0.0076748	0.21743471	2.7389460	21	9 30.5	19.9
245270 2005 AX_{61}	16.2	X	357.00844	12.53296	119.87597	15.23789	0.1827766	0.23939790	2.5687539	21	—	—
245271 2005 AE_{82}	16.9	X	133.73075	161.18787	288.47282	2.19193	0.1527203	0.26343262	2.4100332	21	4 30.1	20.3
245272 2005 BJ	16.2	X	279.27257	61.18548	114.56625	14.96002	0.0760021	0.23521284	2.5991341	21	—	—
245273 2005 BQ	16.5	X	251.38112	155.94203	314.63297	4.04519	0.1307287	0.22002876	2.7173761	21	9 27.5	20.3
245274 2005 BQ_5	16.3	X	10.16807	318.54282	101.86519	16.84343	0.1715753	0.23436529	2.6053967	21	—	—
245275 2005 BQ_{10}	16.6	X	286.18748	288.00813	244.87426	2.19172	0.1211283	0.23371547	2.6102238	21	—	—
245276 2005 BG_{18}	15.7	X	9.88857	100.60885	330.46832	10.82888	0.1954068	0.17682500	3.1436941	21	—	—
245277 2005 BK_{19}	15.0	X	3.55535	122.74546	313.51384	25.99770	0.1974535	0.17571294	3.1569440	21	—	—
245278 2005 BR_{24}	16.5	X	302.59387	339.80317	133.43057	5.44234	0.0538072	0.22922381	2.6442118	21	12 25.5	19.7
245279 2005 BZ_{32}	12.9	X	347.24498	157.47446	122.61771	21.10653	0.1378882	0.08243315	5.2287930	21	6 14.8	19.3
245280 2005 BK_{48}	15.9	X	229.93019	141.44874	207.66115	6.20568	0.0789429	0.18199498	3.0838727	21	4 7.9	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
245281 2005 CY_1	15.7	X	208.12838	221.08107	305.93438	8.10483	0.1000731	0.21795252	2.7346061	21	10 20.6	20.0
245282 2005 CR_2	17.0	X	352.95565	5.69751	122.00715	3.31938	0.1433345	0.23813735	2.5778108	21	—	—
245283 2005 CS_7	15.9	X	20.72702	129.95083	275.91667	17.25930	0.1363068	0.23074225	2.6325985	21	—	—
245284 2005 CT_8	16.8	X	333.06602	62.25369	126.64005	10.68649	0.2080186	0.24072393	2.5593119	21	—	—
245285 2005 CZ_8	16.3	X	228.76481	224.17768	359.71448	4.11271	0.1792613	0.23022705	2.6365245	21	—	—
245286 2005 CV_{10}	17.1	X	131.10681	196.95310	358.99248	5.60286	0.1581325	0.26824330	2.3811319	21	9 17.7	20.7
245287 2005 CV_{17}	17.0	X	282.45876	346.74243	153.13013	2.84276	0.2322599	0.22856339	2.6493029	21	12 8.6	19.7
245288 2005 CF_{19}	16.8	X	323.16704	58.84019	146.31532	6.87458	0.1875968	0.24223446	2.5486612	21	1 2.6	20.3
245289 2005 CY_{26}	16.8	X	297.26183	76.44366	84.03682	3.55488	0.1048309	0.23309108	2.6148831	21	—	—
245290 2005 CB_{29}	17.1	X	200.39535	197.74120	37.06257	2.28053	0.0160611	0.22859672	2.6490453	21	—	—
245291 2005 CD_{43}	15.7	X	286.08373	291.56026	146.31100	14.56598	0.1027497	0.21964727	2.7205216	21	10 12.9	19.3
245292 2005 CU_{46}	17.4	X	313.10531	284.61738	118.68556	1.63800	0.2079355	0.27898769	2.3195978	21	10 4.6	18.8
245293 2005 CF_{53}	16.1	X	200.48089	19.42683	131.15454	10.90105	0.1276004	0.21322098	2.7749134	21	9 27.3	20.5
245294 2005 CL_{63}	16.3	X	264.02670	20.86598	160.42914	15.39496	0.0898591	0.22933274	2.6433744	21	—	—
245295 2005 CE_{64}	16.8	X	274.69639	310.12315	120.17107	3.72808	0.1371994	0.27710506	2.3300920	21	9 13.2	19.3
245296 2005 CN_{64}	16.2	X	123.50500	32.38525	347.56204	8.58742	0.2716787	0.24531022	2.5273126	21	2 8.1	19.8
245297 2005 CS_{68}	15.9	X	231.80396	172.95606	330.42304	11.68395	0.0941639	0.22167188	2.7039313	21	10 17.2	19.9
245298 2005 CX_{68}	16.7	X	58.66850	276.62788	284.90562	7.17639	0.0865327	0.25834006	2.4416021	21	6 14.6	19.6
245299 2005 CK_{69}	16.7	X	302.04842	227.50097	249.80923	1.75315	0.0893470	0.22703317	2.6611938	21	12 27.4	19.8
245300 2005 CX_{79}	16.5	X	349.12896	74.64793	61.59460	5.20434	0.0601148	0.23769252	2.5810260	21	—	—
245301 2005 EE_6	17.0	X	355.75599	289.54777	29.23350	1.90740	0.1594074	0.26332357	2.4106985	21	8 25.8	18.8
245302 2005 EG_{11}	16.6	X	10.89196	25.74858	97.07877	5.32040	0.1093888	0.23934585	2.5691262	21	—	—
245303 2005 EN_{16}	15.9	X	341.02050	76.10276	321.76605	5.99868	0.0293504	0.21606008	2.7505510	21	11 7.0	19.6
245304 2005 EZ_{26}	16.3	X	238.31543	155.48246	3.76333	4.72905	0.0580287	0.21978251	2.7194054	21	11 23.5	20.0
245305 2005 EA_{28}	15.7	X	262.56693	307.93079	166.86467	26.51469	0.2359392	0.21953458	2.7214525	21	10 6.2	19.6
245306 2005 EN_{28}	16.8	X	203.14602	54.86730	94.27643	3.47550	0.1024100	0.27193667	2.3595229	21	10 3.8	20.0
245307 2005 ER_{34}	16.2	X	266.19342	115.64847	3.89628	4.68433	0.0629677	0.21947904	2.7219116	21	11 8.0	19.8
245308 2005 EA_{35}	16.6	X	268.58555	264.92181	302.00011	3.80163	0.1732285	0.22924847	2.6440221	21	—	—
245309 2005 EX_{35}	16.0	X	173.24998	213.04142	317.20115	8.49714	0.1466741	0.20994946	2.8036656	21	9 17.2	20.6
245310 2005 EH_{36}	16.0	X	232.10394	265.71559	312.42818	13.49117	0.1499446	0.22671283	2.6637000	21	—	—
245311 2005 EA_{37}	15.5	X	196.53402	23.25134	177.23768	12.44646	0.1667660	0.21560789	2.7543954	21	11 18.9	20.0
245312 2005 EQ_{37}	16.4	X	128.67559	53.54954	352.41998	4.37298	0.1016088	0.18395563	3.0619211	21	3 3.7	20.9
245313 2005 EY_{40}	15.4	X	17.88519	38.65798	61.24351	15.22665	0.1352831	0.17666553	3.1455855	21	—	—
245314 2005 EH_{58}	16.1	X	63.41393	247.65476	180.17222	14.64008	0.0690047	0.23584935	2.5944557	21	—	—
245315 2005 EP_{61}	15.8	X	73.99166	318.66204	175.35967	10.03767	0.0429822	0.18895773	3.0076429	21	4 6.3	19.8
245316 2005 EY_{65}	16.5	X	268.75245	131.75521	349.51618	4.52018	0.1242346	0.22025377	2.7155251	21	11 4.7	19.9
245317 2005 EN_{69}	15.8	X	303.90962	353.28150	242.96828	3.53983	0.0839804	0.18050969	3.1007663	21	2 12.3	20.2
245318 2005 EO_{72}	16.2	X	24.89480	45.92663	55.65504	7.88272	0.1561762	0.23806706	2.5783182	21	—	—
245319 2005 ES_{73}	16.3	X	284.20971	79.23793	18.58110	6.31454	0.0911050	0.21853584	2.7297378	21	11 1.1	19.8
245320 2005 EY_{75}	15.4	X	64.60146	129.11905	352.82238	11.80540	0.0812496	0.18430719	3.0580261	21	3 13.2	19.4
245321 2005 EU_{81}	16.7	X	316.59089	159.82576	283.52525	0.87335	0.0649872	0.22153038	2.7050825	21	12 4.6	19.8
245322 2005 EE_{82}	17.0	X	182.52290	80.50736	227.61182	1.04331	0.0950168	0.23435688	2.6054590	21	—	—
245323 2005 EH_{85}	16.4	X	309.83113	356.14701	146.32823	12.24219	0.1318552	0.23048416	2.6345634	21	—	—
245324 2005 EQ_{87}	16.2	X	282.57235	68.02241	5.04948	4.19801	0.0451132	0.21156309	2.7893914	21	10 3.4	19.6
245325 2005 EW_{90}	16.9	X	225.92633	286.57255	239.99659	2.27636	0.0907260	0.27819767	2.3239872	21	11 24.2	19.6
245326 2005 EL_{91}	16.1	X	71.96726	173.67756	194.67661	14.86893	0.1261189	0.22610308	2.6684868	21	—	—
245327 2005 EV_{92}	15.6	X	351.44815	197.33507	8.76720	7.04397	0.1813691	0.18287219	3.0740029	21	3 4.1	19.1
245328 2005 EQ_{107}	15.7	X	154.43927	327.00133	240.16486	6.92845	0.1559607	0.21265322	2.7798503	21	10 16.6	20.3
245329 2005 EZ_{116}	16.7	X	65.31107	207.30561	164.93049	6.26658	0.0302474	0.22478062	2.6789430	21	—	—
245330 2005 EH_{128}	16.3	X	95.17585	113.45963	180.07773	11.09223	0.2266112	0.21461276	2.7629033	21	12 12.6	21.0
245331 2005 EO_{133}	15.1	X	319.71753	31.81159	356.25746	24.85555	0.1093478	0.21320487	2.7750531	21	9 21.1	18.4
245332 2005 EG_{138}	16.1	X	197.35776	138.36462	122.70107	10.47372	0.0829681	0.22694087	2.6619153	21	—	—
245333 2005 ED_{144}	16.4	X	345.23084	276.62313	171.12439	12.14217	0.1453913	0.22712450	2.6604804	21	—	—
245334 2005 EB_{147}	16.0	X	324.52406	199.25056	199.39421	5.74413	0.0468971	0.21071673	2.7968556	21	10 17.5	19.5
245335 2005 EW_{147}	16.0	X	232.31438	17.31870	169.35687	8.42950	0.0651887	0.22057463	2.7128910	21	12 20.9	19.9
245336 2005 EH_{148}	16.7	X	152.77672	159.99413	128.96595	3.57460	0.1604381	0.22115435	2.7081480	21	—	—
245337 2005 ED_{154}	15.8	X	209.69250	169.92076	17.25694	9.61193	0.1580495	0.21657035	2.7462288	21	11 11.8	20.2
245338 2005 ED_{166}	16.5	X	85.39195	170.42919	168.35725	6.18658	0.0604261	0.22180505	2.7028489	21	—	—
245339 2005 EP_{169}	14.5	X	266.92428	140.14047	119.71591	28.36978	0.1815538	0.17223991	3.1992403	21	1 23.0	19.6
245340 2005 EU_{169}	14.7	X	261.01340	155.33748	101.37504	28.96472	0.1606053	0.17328817	3.1863252	21	1 15.2	19.9
245341 2005 EU_{174}	16.7	X	195.07689	81.76389	191.78970	11.57917	0.3021729	0.22444658	2.6816004	21	—	—
245342 2005 EC_{178}	16.5	X	59.32915	34.27432	169.70226	6.45155	0.0923190	0.25935204	2.4352466	21	6 20.3	19.4
245343 2005 ES_{181}	15.9	X	158.76104	217.01359	17.09157	7.85939	0.0937239	0.21843821	2.7305511	21	11 23.0	20.1
245344 2005 EO_{184}	16.2	X	286.36619	298.70686	202.37164	11.05491	0.1405615	0.22334132	2.6904401	21	12 27.1	19.5
245345 2005 EH_{192}	16.6	X	39.97370	168.00262	208.25031	2.51971	0.1003160	0.22334267	2.6904293	21	—	—
245346 2005 EB_{203}	16.6	X	259.09757	56.94405	27.55364	4.59195	0.0313654	0.20831600	2.8183027	21	9 20.3	20.4
245347 2005 ED_{212}	16.4	X	268.03258	98.97825	129.98302	7.22243	0.1243643	0.23320206	2.6140534	21	—	—
245348 2005 EN_{216}	14.8	X	304.43543	29.56363	198.55100	28.36461	0.1560649	0.17410109	3.1763990	21	1 21.8	19.9
245349 2005 EL_{219}	15.6	X	326.14423	1.92259	200.28537	5.19028	0.1033820	0.17682216	3.1437277	21	1 28.2	19.8
245350 2005 EV_{219}	15.8	X	109.71798	47.88475	9.44561	12.71152	0.0981557	0.18077284	3.0977564	21	2 27.4	20.2
245351 2005 EC_{242}	16.5	X	181.93613	136.98721	90.77001	8.04578	0.2393312	0.21845042	2.7304494	21	12 3.0	21.1
245352 2005 EJ_{247}	16.1	X	152.19181	242.03501	5.57581	7.40797	0.1765413	0.21776542	2.7361723	21	12 2.2	20.7
245353 2005 ES_{250}	16.4	X	311.91478	78.38745	54.08771	4.27574	0.0518044	0.22879050	2.6475493	21	—	—
245354 2005 EW_{256}	16.7	X	332.20665	218.06461	200.67450	5.53308	0.0424366	0.21690218	2.7434272	21	11 25.3	20.1
245355 2005 EL_{263}	16.3	X	54.90074	351.28574	318.84559	1.87530	0.0667827	0.21141734	2.7906732	21	10 30.3	20.1
245356 2005 EY_{265}	16.0	X	172.62678	32.29861	209.30904	4.76195	0.0669326	0.21833931	2.7313756	21	12 19.3	20.1
245357 2005 EN_{270}	15.3	X	320.55716	297.02651	308.78230	15.39153	0.1858833	0.18094656	3.0957734	21	2 26.7	19.5
245358 2005 EF_{272}	16.7	X	117.37694	214.01343	164.08558	9.50398	0.1279871	0.23715462	2.5849272	21	1 7.5	20.1
245359 2005 EO_{272}	16.1	X	216.22847	121.61730	82.62164	12.93674	0.1279129	0.22211822	2.7003077	21	12 15.6	19.9
245360 2005 EA_{281}	15.1	X	46.66571	22.26923	99.16596	11.43457	0.0401134	0.17978712	3.1090688	21	2 16.1	19.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
245361 2005 EH_{324}	16.0	X	128.38588	191.54946	84.32927	7.82093	0.0921638	0.21675661	2.7446553	21	12 14.3	20.0
245362 2005 EC_{331}	15.3	X	20.35810	7.71341	243.87457	10.47541	0.0387246	0.19484422	2.9467573	21	6 21.9	19.2
245363 2005 FW_{5}	15.4	X	287.70605	23.67543	247.93740	8.72840	0.0665302	0.18363635	3.0654692	21	3 6.9	20.0
245364 2005 FS_{6}	16.0	X	237.49639	87.43848	64.88051	14.67840	0.1030661	0.21654014	2.7464842	21	11 10.5	19.9
245365 2005 FD_{14}	16.2	X	281.95838	321.62394	257.50028	12.12770	0.1154307	0.23281541	2.6169469	21	—	—
245366 2005 GS	16.1	X	215.06950	132.07301	30.60343	10.72680	0.0743669	0.21521803	2.7577207	21	10 28.7	20.1
245367 2005 GV_{5}	16.4	X	88.11942	48.63601	112.38303	3.46806	0.1023590	0.19056768	2.9906796	21	6 6.5	20.4
245368 2005 GW_{18}	17.3	X	84.87698	197.63117	173.72830	1.85572	0.1029655	0.22730831	2.6590460	21	—	—
245369 2005 GV_{31}	15.7	X	117.83972	86.94396	8.84245	9.60523	0.0282751	0.18622229	3.0370244	21	4 9.7	19.9
245370 2005 GL_{39}	16.9	X	136.05716	290.63106	20.01956	2.34328	0.0882387	0.22322139	2.6914037	21	—	—
245371 2005 GR_{60}	15.6	X	239.37995	265.10182	350.29012	11.36505	0.2460252	0.22929016	2.6437016	21	—	—
245372 2005 GS_{68}	16.2	X	296.27948	109.91034	123.35293	13.98066	0.1103363	0.23718723	2.5846903	21	1 17.9	19.7
245373 2005 GH_{73}	16.1	X	222.05464	72.40992	98.30452	9.38339	0.1689863	0.21601581	2.7509268	21	11 8.7	20.4
245374 2005 GY_{73}	16.2	X	310.34587	71.84224	155.46263	15.14638	0.0504140	0.23700934	2.5859834	21	2 4.1	19.8
245375 2005 GU_{77}	15.4	X	68.94266	38.69671	156.07644	13.77703	0.0921441	0.19317221	2.9637367	21	6 23.6	19.6
245376 2005 GC_{79}	15.9	X	292.34432	37.05404	138.73360	16.76613	0.1768528	0.22628414	2.6670632	21	—	—
245377 2005 GH_{86}	16.2	X	271.42380	177.34312	176.15758	3.86100	0.0741825	0.19208392	2.9749206	21	6 1.1	20.4
245378 2005 GD_{91}	15.3	X	8.48407	126.17717	0.98392	9.66580	0.0647293	0.17175768	3.2052256	21	1 2.5	19.7
245379 2005 GJ_{93}	15.8	X	118.68080	204.08822	79.85940	14.98097	0.1806217	0.21381922	2.7697351	21	12 17.3	20.4
245380 2005 GT_{99}	15.5	X	246.57081	93.53769	219.94788	10.06771	0.0200512	0.17752234	3.1354559	21	3 17.1	20.0
245381 2005 GO_{105}	16.3	X	348.18748	199.64760	142.73037	2.59397	0.1206622	0.20112979	2.8850396	21	9 6.7	19.5
245382 2005 GA_{108}	15.2	X	357.82291	100.35704	25.78719	17.51541	0.0129309	0.16927461	3.2364943	21	—	—
245383 2005 GS_{108}	15.3	X	212.35040	124.33440	203.91621	17.66259	0.0792334	0.17565523	3.1576355	21	2 20.8	20.4
245384 2005 GT_{109}	16.2	X	93.67926	322.18432	53.80723	4.31636	0.0900849	0.22652284	2.6651892	21	—	—
245385 2005 GZ_{111}	15.6	X	349.09127	272.47518	1.23156	9.35894	0.1129651	0.18982790	2.9984445	21	5 31.9	19.4
245386 2005 GZ_{116}	16.7	X	51.49789	29.36002	252.52058	2.53014	0.2176873	0.20018615	2.8940989	21	10 10.5	20.6
245387 2005 GG_{127}	15.4	X	156.01204	324.25750	156.48408	12.42891	0.0917817	0.19482496	2.9469515	21	7 1.9	20.1
245388 2005 GE_{129}	15.6	X	346.29514	6.51969	168.08866	9.49566	0.1687483	0.17547279	3.1598237	21	1 14.5	19.7
245389 2005 GU_{130}	15.8	X	236.48902	87.13494	161.50020	17.88552	0.1738236	0.22554288	2.6729037	21	—	—
245390 2005 GS_{131}	16.5	X	33.77023	218.53662	35.81416	12.98170	0.0560998	0.19551858	2.9399776	21	7 20.3	20.6
245391 2005 GW_{134}	16.0	X	206.39880	304.28474	216.14549	8.28973	0.0868515	0.20956580	2.8070864	21	10 13.8	20.0
245392 2005 GC_{162}	16.3	X	197.30408	107.98835	207.06396	2.20560	0.1734451	0.22889071	2.6467765	21	1 19.8	20.6
245393 2005 GH_{162}	15.9	X	189.72746	172.64647	95.27279	10.82587	0.1602381	0.22003212	2.7173484	21	—	—
245394 2005 GV_{163}	16.6	X	174.76882	110.30165	210.98312	3.56268	0.1018668	0.22848109	2.6499390	21	1 2.0	20.5
245395 2005 GQ_{166}	16.6	X	143.66119	169.83325	52.81472	4.35474	0.0413888	0.20873810	2.8145021	21	10 24.8	20.5
245396 2005 GP_{171}	16.3	X	19.41390	13.26474	217.66738	9.32241	0.0959705	0.18811292	3.0166410	21	5 27.6	19.9
245397 2005 GU_{172}	16.6	X	201.73369	2.54298	166.77513	4.41476	0.0410564	0.21048513	2.7989068	21	10 26.2	20.5
245398 2005 GW_{172}	16.5	X	109.71861	116.63761	185.22492	7.23844	0.2131954	0.21304017	2.7764832	21	12 31.6	21.3
245399 2005 GQ_{178}	16.2	X	73.03216	240.68165	84.57753	7.67683	0.0056415	0.21309742	2.7759859	21	12 3.9	19.9
245400 2005 GQ_{182}	16.9	X	202.58992	97.11045	102.30620	2.66894	0.0776368	0.21601224	2.7509571	21	11 29.7	20.9
245401 2005 GO_{184}	16.0	X	127.62580	233.24165	159.35113	11.00869	0.1071417	0.18149607	3.0895216	21	2 14.4	20.6
245402 2005 GQ_{184}	17.0	X	248.08146	137.00856	40.58915	3.13355	0.0962775	0.22424672	2.6831934	21	12 25.7	20.5
245403 2005 GF_{207}	16.4	X	297.98783	63.75629	22.96048	5.75913	0.0424314	0.21289127	2.7777777	21	11 10.9	20.1
245404 2005 GV_{208}	16.2	X	287.83172	156.33267	128.21458	15.71929	0.1280492	0.24518396	2.5281801	21	3 15.2	19.9
245405 2005 GU_{214}	16.3	X	66.81137	293.30911	44.22782	5.01741	0.0759819	0.21259177	2.7803859	21	12 20.2	20.3
245406 2005 HF_{5}	15.6	X	40.12013	161.41387	83.90988	11.89722	0.2201969	0.19043568	2.9920614	21	8 9.1	19.2
245407 2005 HG_{9}	16.0	X	22.54336	129.93571	119.31032	9.28773	0.0684324	0.18936927	3.0032838	21	6 24.6	19.9
245408 2005 JO	16.4	X	328.20517	162.72867	184.30351	3.30099	0.0580182	0.19732624	2.9219951	21	8 11.8	20.2
245409 2005 JW_{4}	17.7	X	55.62544	34.07652	206.86200	18.47465	0.0613986	0.37616278	1.9005771	21	8 1.8	20.0
245410 2005 JX_{9}	15.8	X	165.98116	31.23269	32.12146	9.07812	0.1316027	0.18763824	3.0217265	21	5 3.0	20.6
245411 2005 JO_{15}	16.1	X	33.30386	257.78964	73.77146	3.10754	0.0594468	0.20528368	2.8459883	21	10 28.8	19.8
245412 2005 JR_{18}	16.6	X	70.99482	112.18028	227.80674	6.62969	0.2385706	0.20983047	2.8047254	21	—	—
245413 2005 JE_{22}	16.7	X	270.46723	19.28848	85.61660	4.05838	0.1316765	0.27495822	2.3422050	21	10 27.8	19.2
245414 2005 JN_{24}	17.1	X	181.98313	132.46461	157.99156	1.40176	0.0436597	0.22380427	2.6867286	21	—	—
245415 2005 JV_{30}	16.2	X	238.84805	128.41247	181.32062	3.97874	0.2407483	0.23321189	2.6139800	21	2 14.3	20.8
245416 2005 JX_{38}	15.9	X	173.70841	88.24856	228.25669	7.58342	0.2035779	0.22337635	2.6901589	21	1 3.4	20.4
245417 Rostand	16.5	X	251.11926	109.16136	210.59665	13.71018	0.2068262	0.23793027	2.5793063	21	3 6.5	21.0
245418 2005 JX_{47}	15.4	X	250.10686	264.98540	53.08662	16.06676	0.0579749	0.17895460	3.1187038	21	4 2.3	20.2
245419 2005 JS_{48}	15.0	X	178.23993	339.55951	69.06311	25.30270	0.1561570	0.18143077	3.0902629	21	5 6.1	20.2
245420 2005 JL_{52}	15.5	X	307.33334	191.72246	99.27680	9.54145	0.0522503	0.18388825	3.0626690	21	5 5.0	19.8
245421 2005 JW_{63}	17.6	X	347.02036	74.65843	152.88741	23.35703	0.0504841	0.36272563	1.9472299	21	3 8.5	19.3
245422 2005 JN_{66}	15.9	X	347.79043	317.69854	232.73268	16.98680	0.1398789	0.17612301	3.1520420	21	2 3.4	20.3
245423 2005 JN_{72}	16.6	X	1.38393	270.54900	90.09228	3.17649	0.1022945	0.20441261	2.8540676	21	10 24.9	19.9
245424 2005 JF_{74}	15.7	X	204.43169	54.97135	236.89589	13.47714	0.0964554	0.22714813	2.6602958	21	—	—
245425 2005 JD_{76}	16.2	X	144.41043	88.03402	231.26177	12.17471	0.2145872	0.21859640	2.7292336	21	—	—
245426 2005 JA_{84}	15.7	X	341.34596	103.81148	222.16397	10.57101	0.0363878	0.19547337	2.9404309	21	7 31.9	19.8
245427 2005 JL_{89}	16.0	X	329.37701	278.26097	31.93912	12.38990	0.0402906	0.19591039	2.9360565	21	6 27.1	20.1
245428 2005 JW_{105}	15.7	X	141.69913	314.31700	90.05163	4.21500	0.0801983	0.17601714	3.1533057	21	3 16.4	20.4
245429 2005 JR_{107}	15.7	X	212.78997	167.90251	216.95824	14.42798	0.0905652	0.18355578	3.0663661	21	5 3.6	20.4
245430 2005 JM_{108}	16.1	X	291.50615	147.52342	173.41759	10.25208	0.1041898	0.18347075	3.0673134	21	5 13.6	20.5
245431 2005 JX_{108}	15.6	X	326.42083	150.10492	60.51875	28.88633	0.1192335	0.17876440	3.1209156	21	2 19.5	20.4
245432 2005 JN_{117}	16.1	X	24.28277	139.09209	196.10080	9.44223	0.1036713	0.20202546	2.8765062	21	10 26.0	19.6
245433 2005 JF_{119}	15.9	X	75.95945	58.38268	97.16468	7.74619	0.0859958	0.18391207	3.0624046	21	5 13.9	20.1
245434 2005 JL_{120}	15.3	X	225.84413	204.82355	119.77103	5.87969	0.1129825	0.17341740	3.1847421	21	3 7.0	20.3
245435 2005 JZ_{121}	16.1	X	193.73290	191.49502	184.27037	16.39654	0.3278051	0.23372130	2.6101804	21	4 1.7	21.0
245436 2005 JX_{132}	16.2	X	312.30733	50.49159	196.70954	9.79326	0.0273461	0.17649982	3.1475541	21	3 16.6	20.7
245437 2005 JT_{142}	15.5	X	151.85221	247.48723	80.29934	9.98417	0.3570183	0.22031092	2.7150555	21	1 12.5	20.3
245438 2005 JS_{146}	15.1	X	209.18293	98.46698	202.77116	21.40474	0.0373414	0.16838994	3.2478200	21	1 18.4	20.3
245439 2005 JZ_{147}	16.0	X	173.72803	197.14905	124.51541	12.86033	0.1688087	0.22460646	2.6803276	21	1 7.8	20.2
245440 2005 JO_{154}	15.7	X	152.06798	248.97470	224.23671	9.27473	0.0594322	0.19115528	2.9845476	21	6 16.1	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
245441 2005 JV_{161}	16.4	X	19.05970	220.67313	91.32325	3.30500	0.0483308	0.19929734	2.9026970	21	9 12.2	20.2
245442 2005 JK_{166}	15.5	X	50.57548	25.30289	143.29812	11.83866	0.0875115	0.18337214	3.0684130	21	4 27.1	19.6
245443 2005 JP_{174}	16.6	X	297.24407	325.24590	68.49860	3.09777	0.0741783	0.20221843	2.8746760	21	8 29.9	20.3
245444 2005 JZ_{176}	16.3	X	18.51407	94.65039	163.38156	7.55514	0.1109279	0.18887679	3.0085021	21	7 2.2	20.0
245445 2005 KG_{1}	16.2	X	166.81189	223.30015	130.09297	6.59004	0.2031900	0.22755098	2.6571551	21	2 10.6	20.5
245446 2005 KC_{5}	15.8	X	98.98887	8.55293	230.07472	11.74975	0.0376075	0.20017635	2.8941934	21	9 15.4	20.1
245447 2005 KK_{5}	16.1	X	93.90689	61.87053	86.13089	10.43886	0.1009127	0.18619012	3.0373742	21	5 28.8	20.3
245448 2005 KH_{8}	15.6	X	276.78346	62.08534	232.62373	9.14099	0.1936515	0.17533952	3.1614247	21	3 8.3	20.6
245449 2005 KE_{9}	15.3	X	244.54298	237.15329	67.74440	10.08546	0.0572925	0.17332799	3.1858372	21	3 9.9	20.1
245450 2005 LS	15.8	X	132.61950	86.87139	192.00846	24.57962	0.1335301	0.21095785	2.7947240	21	12 20.8	20.8
245451 2005 LV	15.8	X	266.42318	153.91023	138.09859	10.43919	0.0237228	0.17381154	3.1799258	21	3 20.5	20.4
245452 2005 LD_{3}	15.6	X	300.44663	81.74258	210.65422	25.92407	0.1769235	0.17738967	3.1370192	21	4 5.0	20.2
245453 2005 LU_{10}	16.2	X	138.40257	50.63417	158.94342	8.82406	0.0951775	0.20195882	2.8771389	21	10 5.5	20.6
245454 2005 LK_{11}	15.6	X	243.63641	61.60691	262.82151	3.95186	0.1175260	0.17009904	3.2260280	21	3 20.2	20.6
245455 2005 LC_{23}	16.3	X	336.76833	33.82968	294.74514	4.05581	0.1853742	0.18553401	3.0445307	21	7 22.1	19.6
245456 2005 LQ_{24}	15.3	X	199.72000	327.17336	65.35040	12.18091	0.1311899	0.18091087	3.0961805	21	5 1.5	20.3
245457 2005 LN_{37}	15.6	X	224.38698	234.64771	135.93923	8.71243	0.0337615	0.18200204	3.0837930	21	5 5.1	20.2
245458 2005 LN_{43}	16.1	X	285.81378	31.42503	248.03460	7.03656	0.1385782	0.23686563	2.5870293	21	2 26.0	19.9
245459 2005 LQ_{43}	15.4	X	287.21290	76.86060	261.76265	9.70310	0.0780793	0.17981687	3.1087259	21	6 1.3	19.7
245460 2005 LU_{46}	16.1	X	37.88435	137.47988	141.66096	6.29303	0.2551524	0.19079507	2.9883029	21	9 25.2	19.6
245461 2005 ME	15.5	X	338.26841	154.80092	137.83278	13.93397	0.0939395	0.18648399	3.0341823	21	6 14.4	19.6
245462 2005 MQ_{12}	16.1	X	122.22151	246.79015	130.66556	10.24043	0.2229194	0.21418243	2.7666029	21	1 31.4	20.0
245463 2005 MM_{14}	16.2	X	289.15272	83.54940	254.28063	3.80032	0.2561556	0.17697929	3.1418667	21	5 7.7	20.6
245464 2005 MR_{30}	15.5	X	332.36327	149.59529	149.23221	10.81328	0.1133986	0.17967740	3.1103344	21	6 11.2	19.6
245465 2005 MN_{45}	16.2	X	356.45275	173.71066	130.62934	1.39917	0.2077285	0.18577014	3.0419503	21	7 28.9	19.1
245466 2005 MG_{48}	15.9	X	35.40790	73.72007	145.89911	13.74689	0.1353051	0.17921112	3.1157271	21	6 12.9	19.9
245467 2005 MU_{52}	15.4	X	320.13381	93.55602	231.71660	11.81202	0.1283365	0.18051053	3.1007566	21	6 22.9	19.4
245468 2005 NF	16.8	X	205.44818	166.66903	159.90025	32.33010	0.1896173	0.34931101	1.9967692	21	1 24.8	20.3
245469 2005 NQ_{5}	16.2	X	311.02682	338.25093	296.04980	3.41714	0.1953267	0.17329788	3.1862063	21	3 24.7	20.6
245470 2005 NB_{27}	16.7	X	183.78901	93.54412	264.59274	4.59843	0.0991613	0.22532607	2.6746179	21	2 23.7	20.9
245471 2005 NO_{27}	16.2	X	63.15057	52.30545	248.31577	4.20598	0.0807231	0.19693085	2.9259049	21	10 28.6	20.3
245472 2005 NH_{41}	16.0	X	252.36256	160.61356	198.75105	1.82368	0.0884443	0.17615918	3.1516104	21	5 15.4	20.7
245473 2005 NU_{57}	17.0	X	73.93170	42.13782	126.77399	24.57038	0.0660974	0.35973800	1.9579962	21	5 21.6	19.6
245474 2005 NP_{59}	14.9	X	201.41417	327.44824	301.71173	8.83358	0.0517602	0.15288670	3.4638275	21	—	—
245475 2005 NF_{64}	15.6	X	35.53930	220.85587	134.03517	18.38932	0.1304867	0.19794262	2.9159260	21	12 11.3	19.8
245476 2005 NJ_{64}	15.6	X	237.08118	219.79372	139.63536	13.60352	0.1061074	0.17198345	3.2024200	21	5 2.0	20.7
245477 2005 NN_{66}	16.4	X	24.38541	230.90659	62.10204	1.64196	0.2235876	0.18899378	3.0072604	21	9 14.1	19.5
245478 2005 NO_{66}	16.4	X	1.23266	242.80152	54.41476	1.68905	0.1486397	0.18521621	3.0480124	21	7 28.3	19.7
245479 2005 NQ_{93}	15.9	X	234.91708	242.78301	118.49432	16.94758	0.0847299	0.17364773	3.1819252	21	5 5.7	21.0
245480 2005 NM_{95}	15.6	X	97.65154	16.77253	293.92645	14.39855	0.1061569	0.20407653	2.8572002	21	12 24.3	19.9
245481 2005 NC_{123}	16.8	X	174.81370	310.32594	28.59683	9.33628	0.2568969	0.28046958	2.3114200	21	1 30.9	20.7
245482 2005 OP_{3}	15.1	X	334.37442	238.38307	99.74612	17.59206	0.1615879	0.18516467	3.0485779	21	8 4.1	18.7
245483 2005 OA_{9}	15.4	X	304.68181	117.80062	229.46266	25.50921	0.3006474	0.17796496	3.1302549	21	6 1.4	19.6
245484 2005 OZ_{23}	15.3	X	300.82467	158.76043	165.99216	10.34562	0.0907005	0.17638992	3.1488614	21	6 1.8	19.7
245485 2005 PP_{10}	16.1	X	78.60031	335.35755	108.07546	6.57900	0.0364788	0.21893336	2.7264326	21	1 31.9	19.6
245486 2005 PF_{17}	17.9	X	166.08356	108.45723	314.92339	1.80835	0.1532391	0.29172758	2.2515645	21	4 27.7	21.1
245487 2005 PL_{18}	15.1	X	293.80310	190.77104	100.07421	16.59055	0.2380296	0.17251414	3.1958490	21	3 28.2	20.1
245488 2005 QL_{11}	15.6	X	299.70356	166.40176	145.41475	10.07765	0.0615580	0.17505919	3.1647988	21	5 20.1	20.1
245489 2005 QY_{17}	16.6	X	111.77289	28.54803	8.72392	2.69467	0.1612714	0.27411069	2.3470305	21	1 23.3	19.2
245490 2005 QR_{31}	15.4	X	10.73524	228.08715	164.88454	16.70032	0.2109248	0.19731667	2.9220896	21	12 31.5	19.2
245491 2005 QZ_{38}	15.8	X	7.24654	142.73025	164.38181	12.22471	0.0481117	0.18246117	3.0786176	21	8 15.2	19.8
245492 2005 QT_{40}	15.7	X	325.61605	145.31211	191.04944	8.16291	0.2815081	0.18080318	3.0974098	21	6 26.3	19.1
245493 2005 QT_{51}	15.7	X	344.55846	99.16341	176.77958	7.90411	0.1706687	0.17645258	3.1481159	21	5 26.9	19.3
245494 2005 QX_{56}	15.0	X	316.93290	36.05919	272.99807	8.26707	0.0590046	0.17507249	3.1646386	21	6 6.4	19.2
245495 2005 QY_{76}	15.8	X	313.39092	209.47303	87.61368	4.78158	0.2204883	0.17516156	3.1635656	21	4 25.4	20.0
245496 2005 QS_{85}	15.0	X	339.88707	128.73104	227.14236	10.89983	0.2887146	0.17956396	3.1116442	21	8 24.9	17.9
245497 2005 QQ_{102}	16.1	X	343.54316	152.42611	179.59392	9.89191	0.1274820	0.18182849	3.0857549	21	8 10.3	19.9
245498 2005 QK_{144}	15.6	X	285.24472	250.78079	145.25926	12.96752	0.2224436	0.17839432	3.1252303	21	7 20.7	20.0
245499 2005 QF_{156}	15.5	X	321.49860	77.60378	229.57665	14.50443	0.2182091	0.17627481	3.1502321	21	5 20.1	19.2
245500 2005 QQ_{156}	15.0	X	262.03184	108.80502	295.39477	15.13993	0.0993687	0.17734552	3.1375398	21	7 20.4	19.5
245501 2005 QC_{157}	15.5	X	3.24668	115.48919	196.18164	13.14825	0.2640795	0.18185067	3.0855040	21	8 24.0	18.4
245502 2005 QF_{166}	17.1	X	15.43164	177.36293	163.93629	22.17875	0.0959201	0.37735669	1.8965662	21	11 28.1	19.5
245503 2005 QL_{167}	15.8	X	336.97355	108.42773	206.02919	18.75583	0.2232943	0.18199475	3.0838753	21	6 25.7	19.4
245504 2005 QC_{169}	15.0	X	339.06841	96.92513	249.39138	10.35997	0.0767243	0.18126050	3.0921979	21	8 21.0	19.2
245505 2005 QV_{181}	15.6	X	278.06423	93.55111	317.05760	12.43557	0.2098806	0.17885791	3.1198277	21	8 2.6	20.0
245506 2005 RV	15.0	X	304.30774	59.99597	281.51637	14.52734	0.0901219	0.17572608	3.1567867	21	6 27.3	19.1
245507 2005 RD_{24}	14.9	X	352.11873	136.14580	230.41873	15.84270	0.2781564	0.18352142	3.0667488	21	10 19.9	17.7
245508 2005 RJ_{24}	15.6	X	334.40743	30.26288	339.50798	8.48248	0.2579671	0.18101521	3.0949907	21	9 8.1	18.4
245509 2005 RM_{32}	14.8	X	352.64177	54.97708	256.58129	26.37857	0.2200611	0.18363588	3.0654744	21	7 19.8	18.3
245510 2005 SK_{2}	16.8	X	164.87563	60.71741	250.05669	2.53259	0.1637487	0.21176009	2.7876611	21	—	—
245511 2005 SY_{42}	15.0	X	296.85789	114.26102	220.36556	7.83676	0.1087727	0.17057842	3.2199811	21	6 5.3	19.3
245512 2005 SQ_{54}	15.8	X	81.13793	246.46085	28.06064	1.25586	0.1517134	0.18645101	3.0345402	21	10 26.4	20.2
245513 2005 SY_{56}	14.6	X	324.86242	70.60299	285.41387	20.42058	0.0552040	0.17890709	3.1192560	21	8 11.1	19.0
245514 2005 SY_{61}	16.8	X	175.74194	139.20754	191.62439	2.60838	0.1859942	0.27529613	2.3402880	21	1 13.4	20.4
245515 2005 SE_{72}	15.4	X	81.93943	129.54450	172.09029	11.30871	0.1214851	0.19231094	2.9725789	21	11 27.9	20.0
245516 2005 SG_{72}	15.4	X	131.38786	117.57748	173.97792	12.19810	0.0187436	0.19726966	2.9225539	21	12 29.9	19.8
245517 2005 SE_{90}	15.4	X	34.70578	129.09582	206.36156	9.28843	0.0991643	0.18652897	3.0336946	21	11 6.9	19.3
245518 2005 SR_{103}	17.4	X	251.70273	310.51809	80.20248	8.01846	0.1292131	0.29572030	2.2312520	21	6 15.1	20.0
245519 2005 SQ_{104}	16.0	X	38.17883	287.65146	75.09277	2.71748	0.1733801	0.19187651	2.9770640	21	12 26.0	19.9
245520 2005 SM_{107}	15.2	X	97.95611	321.17579	313.21826	12.39684	0.1400462	0.19237141	2.9719559	21	11 7.7	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
245521 2005 SG_{113}	15.0	X	300.44524	67.73900	283.84914	15.10309	0.1036388	0.17693365	3.1424070	21	7 2.9	19.2
245522 2005 SP_{124}	16.2	X	78.22040	94.56638	202.82648	9.81739	0.2458668	0.19189226	2.9769011	21	12 1.3	21.0
245523 2005 SY_{144}	16.0	X	357.30750	237.84703	91.68075	2.83016	0.2002642	0.18219839	3.0815771	21	9 7.0	19.1
245524 2005 SM_{153}	15.6	X	42.37360	183.63974	196.65152	11.62944	0.0613326	0.19424955	2.9527683	21	—	—
245525 2005 SD_{167}	15.4	X	5.00564	176.64071	146.29634	11.25555	0.2966693	0.18343077	3.0677591	21	9 26.2	18.1
245526 2005 SN_{167}	15.6	X	9.51348	236.39833	79.01976	13.24748	0.2904233	0.18302516	3.0722898	21	10 1.0	18.7
245527 2005 SY_{177}	17.7	X	4.44076	61.51197	330.30845	4.22514	0.0515374	0.31658119	2.1321249	21	12 30.0	20.0
245528 2005 SG_{178}	17.1	X	254.73349	98.12619	240.16588	18.23863	0.0859336	0.35236385	1.9852193	21	3 29.0	19.9
245529 2005 SR_{197}	15.5	X	299.41179	133.99037	260.41213	15.31900	0.2031774	0.18162916	3.0880121	21	8 5.5	19.6
245530 2005 SE_{202}	15.0	X	142.82687	80.45182	279.54779	8.83339	0.1067088	0.15050685	3.5002458	21	1 27.6	20.2
245531 2005 SF_{208}	14.8	X	6.05290	49.12206	215.55341	14.19014	0.2393710	0.17393650	3.1784025	21	6 21.5	18.1
245532 2005 SZ_{214}	14.9	X	347.68986	92.25455	248.85555	9.16405	0.2016923	0.18043238	3.1016520	21	8 26.5	18.3
245533 2005 SV_{219}	15.0	X	302.21601	238.62013	142.30768	16.90935	0.2135303	0.17766749	3.1337480	21	7 26.8	18.9
245534 2005 SX_{272}	15.2	X	310.31463	307.62108	31.00692	15.90504	0.1248428	0.17570777	3.1570059	21	6 26.5	19.6
245535 2005 SV_{281}	16.1	X	357.38935	334.16595	81.68747	2.71186	0.0562295	0.19272696	2.9682996	21	12 21.3	20.1
245536 2005 SR_{285}	15.6	X	34.88996	89.40764	160.98251	17.11391	0.1925212	0.16993972	3.2280441	21	7 27.8	19.6
245537 2005 TW_{26}	16.1	X	61.82098	174.16695	149.17557	0.67971	0.1827149	0.18935652	3.0034186	21	12 7.2	20.4
245538 2005 TE_{46}	16.8	X	265.72864	259.82495	109.28228	24.08599	0.0995684	0.35807934	1.9640379	21	6 9.4	19.3
245539 2005 TO_{52}	16.2	X	341.74480	318.95670	37.46198	0.85428	0.2010156	0.18068506	3.0987596	21	9 10.1	19.3
245540 2005 TX_{75}	16.4	X	274.86340	329.20806	26.32704	9.42551	0.1654000	0.29336099	2.2431990	21	5 17.9	19.3
245541 2005 TA_{86}	16.3	X	121.69625	39.35435	6.95975	9.32192	0.2886208	0.27160220	2.3614597	21	3 9.8	19.5
245542 2005 TE_{88}	17.1	X	47.47732	30.73714	46.06964	3.37705	0.1406354	0.26607542	2.3940481	21	—	—
245543 2005 TA_{105}	15.1	X	303.08182	122.00673	299.25682	7.49960	0.0745490	0.18185617	3.0854418	21	10 5.3	19.3
245544 2005 TB_{167}	15.7	X	35.45530	116.62149	217.85614	7.32654	0.1356190	0.18648694	3.0341504	21	11 11.3	19.7
245545 2005 TC_{170}	15.7	X	349.09186	34.77414	305.65988	2.28289	0.2828216	0.18075506	3.0979595	21	9 1.9	18.3
245546 2005 TN_{172}	14.8	X	30.36724	18.83286	293.81817	21.53747	0.1795217	0.18581584	3.0414515	21	9 29.4	19.1
245547 2005 TO_{172}	16.9	X	276.20393	156.56348	225.57530	6.40727	0.1215574	0.29833655	2.2181883	21	7 6.1	19.5
245548 2005 TD_{192}	17.0	X	342.70092	278.95439	292.00980	5.49505	0.0644673	0.26269102	2.4145668	21	2 19.0	19.9
245549 2005 TE_{192}	17.2	X	26.53594	311.02714	307.10902	2.51829	0.1661814	0.27737326	2.3285898	21	7 25.7	18.8
245550 2005 UP_{5}	15.0	X	253.54291	274.93306	158.56163	25.42374	0.2042065	0.17272386	3.1932615	21	8 2.0	20.2
245551 2005 UU_{5}	15.2	X	315.84834	253.32380	159.99947	20.36698	0.3383023	0.17974171	3.1095924	21	9 17.3	18.1
245552 2005 UF_{8}	16.6	X	284.49761	275.03735	66.96710	4.87062	0.2007167	0.29367436	2.2416030	21	5 8.7	19.3
245553 2005 UG_{10}	15.8	X	3.69500	329.50052	83.26328	6.62033	0.0849152	0.19216365	2.9740977	21	12 28.7	19.6
245554 2005 UL_{16}	15.3	X	90.14716	202.08483	42.01815	28.38927	0.1023408	0.17856071	3.1232885	21	10 6.5	20.2
245555 2005 UU_{54}	17.1	X	21.06262	44.16122	321.84577	3.93968	0.1068240	0.31228594	2.1516308	21	12 25.4	19.3
245556 2005 UE_{57}	15.8	X	345.07784	295.66653	100.44609	2.62514	0.1249418	0.18567825	3.0429538	21	11 10.9	19.4
245557 2005 UE_{59}	14.9	X	13.69674	280.91822	60.44149	11.43627	0.0960037	0.17981349	3.1087648	21	10 17.3	18.9
245558 2005 UM_{74}	15.4	X	353.10493	125.19609	276.26727	8.20201	0.1103453	0.18634899	3.0356476	21	11 28.9	19.2
245559 2005 UJ_{75}	15.3	X	317.17135	136.54618	278.06100	16.06093	0.0762247	0.18485720	3.0519574	21	10 14.5	19.6
245560 2005 UD_{80}	16.9	X	182.38699	210.93117	185.00789	5.17665	0.1653005	0.28141471	2.3062418	21	4 10.6	20.4
245561 2005 UP_{81}	15.3	X	303.77216	133.32382	210.76797	10.58206	0.0855978	0.17308122	3.1888647	21	6 29.0	19.7
245562 2005 UQ_{107}	15.8	X	338.94131	232.50314	130.49797	7.00902	0.2398442	0.18169507	3.0872653	21	9 13.9	18.7
245563 2005 UF_{109}	16.0	X	354.00402	327.74860	100.43950	8.37007	0.2037128	0.19196197	2.9761804	21	—	—
245564 2005 UE_{110}	17.9	X	305.59868	5.48442	330.18573	1.76380	0.1714723	0.29461226	2.2368430	21	6 3.3	20.3
245565 2005 UF_{116}	15.8	X	284.89435	82.82295	25.66498	6.15400	0.1272915	0.18548036	3.0451178	21	11 5.4	19.7
245566 2005 UQ_{117}	15.8	X	55.76078	12.77738	281.72457	1.27985	0.1782849	0.18393088	3.0621957	21	10 24.3	19.9
245567 2005 UM_{127}	15.8	X	337.06728	7.97164	18.11858	1.10514	0.1015439	0.18150124	3.0894630	21	10 13.8	19.3
245568 2005 UR_{150}	17.0	X	157.67468	58.99798	49.37988	6.26415	0.1165480	0.28919865	2.2646715	21	6 17.4	20.2
245569 2005 UY_{153}	15.8	X	18.91855	42.84388	303.91108	0.56835	0.1683711	0.18324593	3.0698217	21	11 5.7	19.4
245570 2005 UT_{155}	15.8	X	42.76826	236.11903	95.91087	10.96363	0.1738825	0.18856297	3.0118392	21	11 25.8	19.9
245571 2005 UF_{160}	17.2	X	255.38966	242.34865	123.36082	4.58254	0.1770781	0.29293090	2.2453942	21	5 11.7	20.4
245572 2005 US_{196}	16.2	X	347.92591	200.80768	162.16021	1.37452	0.0596533	0.18018411	3.1045004	21	9 30.7	20.3
245573 2005 UH_{224}	16.4	X	43.24125	55.42105	292.44680	2.35008	0.0665649	0.18826317	3.0150358	21	11 28.0	20.5
245574 2005 UF_{252}	14.9	X	314.31595	50.21305	286.19773	12.25122	0.1406623	0.17379792	3.1800919	21	6 28.5	18.8
245575 2005 UA_{254}	17.2	X	174.59661	121.46863	267.16930	2.04206	0.2159808	0.27990593	2.3145220	21	3 25.9	21.0
245576 2005 UL_{274}	15.4	X	61.41862	15.33790	312.65960	9.30673	0.1086395	0.18833449	3.0142745	21	12 1.2	19.9
245577 2005 UQ_{283}	15.9	X	101.24668	208.26568	66.03412	5.51798	0.0868885	0.18647014	3.0343326	21	11 10.2	20.4
245578 2005 UQ_{336}	14.6	X	143.57005	137.15133	110.31840	3.31104	0.0930194	0.12365395	3.9902250	21	11 13.9	20.6
245579 2005 UD_{343}	16.3	X	181.41045	223.81783	87.95037	12.41312	0.2037624	0.27388090	2.3483431	21	—	—
245580 2005 UT_{348}	15.1	X	291.75199	197.95824	242.37389	17.27379	0.1583932	0.18132066	3.0915138	21	9 30.6	19.4
245581 2005 UM_{352}	15.6	X	42.63629	346.73437	351.08935	6.02966	0.0805552	0.18704734	3.0280871	21	11 15.1	19.7
245582 2005 UZ_{352}	15.6	X	331.55467	153.44828	277.60461	7.83901	0.1084787	0.18806077	3.0171987	21	12 2.9	19.2
245583 2005 UD_{354}	15.5	X	326.64671	34.18207	359.21951	5.98185	0.2042698	0.17912832	3.1166872	21	9 28.8	18.8
245584 2005 UG_{373}	17.5	X	114.59796	40.06651	278.43211	1.49504	0.0903136	0.31974816	2.1180230	21	—	—
245585 2005 UZ_{380}	15.5	X	37.68991	264.30317	77.46165	6.74953	0.0561888	0.18456094	3.0552225	21	11 13.0	19.6
245586 2005 UV_{384}	15.6	X	5.01987	233.91380	148.38646	11.16575	0.1987861	0.18633620	3.0357865	21	12 5.4	19.2
245587 2005 UL_{391}	15.7	X	293.38496	119.40873	184.88266	8.83197	0.2015325	0.17210373	3.2009276	21	4 10.6	20.2
245588 2005 UM_{399}	15.2	X	46.33200	238.45136	64.28493	14.59455	0.1501014	0.18088555	3.0964695	21	10 23.7	19.5
245589 2005 UX_{399}	17.4	X	142.78761	6.74142	224.77066	6.99839	0.1077629	0.30684422	2.1769949	21	11 17.8	20.4
245590 2005 UD_{485}	15.8	X	347.84110	225.24326	158.66560	7.47373	0.1396627	0.18450978	3.0557873	21	11 1.6	19.4
245591 2005 UU_{492}	15.1	X	30.89842	31.41470	259.10555	16.42364	0.1860971	0.17997783	3.1068721	21	9 5.3	19.2
245592 2005 US_{500}	15.8	X	249.30222	288.64410	172.02887	10.10089	0.1918351	0.17509009	3.1644264	21	9 1.9	20.7
245593 2005 VL_{15}	15.7	X	335.37998	142.87160	269.56228	3.33304	0.1410444	0.18388386	3.0627178	21	11 13.9	19.1
245594 2005 VD_{17}	15.5	X	315.38250	189.07926	225.41412	15.17638	0.1889310	0.17907377	3.1173201	21	10 4.2	19.1
245595 2005 VW_{27}	15.6	X	30.73103	30.60894	265.87083	2.29524	0.1551585	0.17864752	3.1222766	21	9 16.4	19.4
245596 2005 VN_{72}	15.5	X	253.23153	37.97443	66.41289	12.95758	0.0997796	0.17653448	3.1471422	21	9 30.7	20.2
245597 2005 VM_{78}	15.4	X	34.22886	67.19357	246.75432	8.29813	0.0633812	0.18122674	3.0925818	21	9 30.4	19.7
245598 2005 VW_{82}	15.9	X	309.21183	243.38483	153.38640	3.63946	0.1446337	0.17673340	3.1447802	21	9 8.5	19.7
245599 2005 VG_{110}	17.3	X	108.17782	14.39522	78.80983	1.95872	0.1301863	0.27733911	2.3287809	21	3 31.4	20.0
245600 2005 VD_{124}	14.7	X	78.61972	358.35860	275.32747	21.59159	0.0456401	0.17988558	3.1079342	21	9 26.4	19.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
245601 2005 VF_{124}	17.1	X	152.04340	219.18381	277.67431	6.17692	0.0359817	0.29044526	2.2581867	21	7 15.9	19.7
245602 2005 WR_{1}	14.8	X	226.64766	157.93399	327.49147	26.40837	0.1456761	0.17300720	3.1897742	21	9 6.7	19.9
245603 2005 WP_{2}	15.1	X	240.11431	102.13501	20.37487	25.65958	0.2621039	0.17357227	3.1828474	21	9 21.8	20.4
245604 2005 WU_{7}	16.7	X	200.96102	134.11539	248.42231	4.66142	0.1346245	0.28156963	2.3053958	21	4 8.2	20.1
245605 2005 WG_{28}	16.8	X	245.77843	304.62865	61.37888	7.81427	0.1301663	0.28726059	2.2748461	21	5 5.9	20.1
245606 2005 WK_{32}	15.9	X	4.24719	261.81789	64.54033	5.37600	0.2120286	0.17502909	3.1651617	21	9 18.9	19.2
245607 2005 WE_{36}	15.0	X	203.05295	40.91835	87.49708	8.96207	0.0785402	0.16955988	3.2328632	21	9 2.9	20.0
245608 2005 WP_{36}	15.8	X	308.57991	311.03354	109.96892	2.54478	0.1397915	0.17869668	3.1217041	21	10 11.2	19.6
245609 2005 WF_{39}	15.7	X	9.45964	280.45143	73.49033	6.02452	0.1476408	0.18034314	3.1026751	21	10 29.6	19.4
245610 2005 WN_{43}	15.3	X	339.29911	297.48473	67.66692	15.81413	0.1731933	0.17660222	3.1463373	21	9 27.3	19.1
245611 2005 WP_{43}	16.4	X	152.53715	100.17960	64.98527	8.62515	0.1147808	0.22995965	2.6385680	21	8 30.5	20.6
245612 2005 WK_{71}	15.5	X	305.71245	119.39182	285.26760	3.50507	0.1346676	0.17649313	3.1476337	21	9 12.3	19.6
245613 2005 WS_{71}	17.3	X	197.53125	194.69535	266.08046	5.42099	0.2003579	0.29181062	2.2511373	21	7 17.3	20.8
245614 2005 WR_{81}	15.5	X	342.43402	347.68640	43.82289	3.87925	0.2133996	0.18136663	3.0909913	21	10 31.3	18.6
245615 2005 WW_{98}	17.2	X	34.11594	82.14938	83.67959	4.49449	0.0364642	0.27392425	2.3480953	21	3 10.9	19.8
245616 2005 WU_{115}	16.5	X	252.45029	284.09819	175.56544	8.70285	0.1277674	0.23848633	2.5752954	21	9 18.7	19.9
245617 2005 WZ_{120}	16.9	X	351.16704	316.56064	82.86891	7.87130	0.0892559	0.30893877	2.1671440	21	12 22.9	18.7
245618 2005 WP_{134}	17.5	X	154.55535	324.51897	268.45036	2.60193	0.0682134	0.30340668	2.1934073	21	12 2.9	20.1
245619 2005 WA_{144}	18.3	X	269.14658	206.39822	257.01201	2.83227	0.0892092	0.30435496	2.1888489	21	11 2.3	20.3
245620 2005 WL_{149}	17.4	X	112.25894	11.75323	309.59474	3.24863	0.1350167	0.31858037	2.1231958	21	—	—
245621 2005 WZ_{160}	16.9	X	107.35873	45.44847	32.03318	5.11279	0.1295583	0.27298619	2.3534714	21	3 10.0	19.6
245622 2005 WK_{163}	15.9	X	356.23212	62.42171	296.08891	1.50135	0.0848222	0.17785123	3.1315892	21	10 6.5	19.8
245623 2005 WD_{180}	16.6	X	76.81902	98.51225	44.39078	7.39823	0.1324217	0.27748391	2.3279707	21	4 24.6	19.1
245624 2005 WH_{182}	15.1	X	339.76309	250.07505	92.69404	17.56402	0.1423141	0.17345908	3.1842319	21	8 25.1	19.1
245625 2005 WM_{193}	15.1	X	310.81143	68.04548	9.53320	9.63668	0.0582810	0.18402126	3.0611930	21	11 8.9	19.3
245626 2005 WE_{208}	15.4	X	211.31344	191.69461	277.85348	2.55417	0.0563648	0.16733633	3.2614387	21	8 16.4	20.1
245627 2005 XV_{4}	17.0	X	283.98006	98.15301	263.76372	17.97904	0.0914930	0.35442393	1.9775191	21	6 21.9	18.8
245628 2005 XV_{16}	17.1	X	294.20658	345.62692	81.24383	6.98036	0.0816142	0.30013319	2.2093272	21	10 24.9	19.3
245629 2005 XK_{27}	17.7	X	29.46347	41.57282	291.44931	3.37798	0.0514350	0.29989513	2.2104962	21	11 7.2	20.1
245630 2005 XM_{47}	17.5	X	266.80645	337.53854	48.70057	5.68707	0.1310052	0.29195553	2.2503924	21	6 28.4	20.3
245631 2005 XR_{51}	17.6	X	22.39792	187.23966	316.96886	4.60978	0.0485339	0.26527203	2.3988794	21	1 21.2	20.3
245632 2005 XC_{54}	17.4	X	203.46924	1.13941	59.59320	4.55302	0.1722333	0.28537671	2.2848465	21	6 1.0	20.9
245633 2005 XK_{55}	15.9	X	279.35669	267.38678	190.65872	13.02932	0.1881699	0.17939817	3.1135610	21	10 6.6	19.9
245634 2005 XD_{87}	17.5	X	175.91851	155.07973	340.18627	4.11324	0.0717408	0.29029360	2.2589732	21	8 15.6	20.3
245635 2005 YQ	16.9	X	352.01259	78.26856	278.65600	17.95211	0.0969466	0.36613708	1.9351156	21	10 25.8	18.9
245636 2005 YG_{6}	17.3	X	254.06014	57.24357	97.42325	2.78467	0.0834254	0.30948493	2.1645937	21	12 26.6	19.4
245637 2005 YZ_{8}	17.7	X	324.35380	327.15082	100.98948	2.95955	0.1479878	0.30677039	2.1773442	21	12 22.7	18.9
245638 2005 YK_{14}	15.6	X	281.02494	132.00722	114.45256	8.84472	0.0675481	0.19838784	2.9115618	21	1 29.9	19.7
245639 2005 YS_{20}	15.9	X	265.24027	69.41705	2.69422	0.41094	0.1365837	0.16821971	3.2500108	21	8 23.4	20.6
245640 2005 YA_{30}	17.0	X	260.43874	158.23618	265.95139	6.52123	0.0472387	0.28974655	2.2618157	21	8 24.7	19.7
245641 2005 YC_{49}	16.4	X	275.19444	217.82787	128.11258	5.09756	0.1215457	0.21782293	2.7356906	21	5 19.7	20.2
245642 2005 YZ_{82}	17.1	X	157.33364	44.67853	123.77534	7.29254	0.0280097	0.29123992	2.2540772	21	9 10.1	19.9
245643 2005 YA_{84}	17.6	X	54.81084	86.90198	131.32660	3.82727	0.1033422	0.28070191	2.3101444	21	7 5.6	19.9
245644 2005 YP_{95}	17.2	X	152.42648	230.03364	130.72945	5.63302	0.1272387	0.26464998	2.4026369	21	1 22.9	20.5
245645 2005 YY_{100}	17.2	X	184.62944	271.72910	71.98368	3.06622	0.2317992	0.26768689	2.3844304	21	2 11.5	21.2
245646 2005 YH_{110}	17.4	X	0.65500	295.54495	207.87793	2.45931	0.0626906	0.25972500	2.4329147	21	—	—
245647 2005 YJ_{127}	17.5	X	195.70717	102.48182	51.70898	3.50111	0.1821207	0.29599108	2.2298910	21	9 27.8	20.8
245648 2005 YT_{129}	17.6	X	290.87565	9.83057	72.68231	5.09230	0.0604549	0.30256417	2.1974772	21	11 12.3	19.6
245649 2005 YS_{131}	17.6	X	84.66363	237.21186	294.25635	1.66360	0.1467064	0.27634498	2.3343627	21	6 20.3	20.3
245650 2005 YL_{139}	17.7	X	175.66286	122.93299	83.04035	4.18580	0.1251365	0.30187739	2.2008089	21	11 18.1	20.8
245651 2005 YH_{143}	17.4	X	28.27330	235.84266	330.53760	4.22137	0.1751566	0.27076147	2.3663454	21	4 30.7	19.2
245652 2005 YD_{146}	17.9	X	100.98583	284.99894	26.29145	2.67723	0.2053268	0.30984083	2.1629358	21	—	—
245653 2005 YH_{150}	15.6	X	194.96700	310.09910	311.71254	11.16325	0.1995789	0.18503117	3.0500441	21	—	—
245654 2005 YB_{156}	16.8	X	181.00944	186.59853	291.28724	5.14740	0.1004642	0.28740032	2.2741087	21	7 26.6	19.8
245655 2005 YM_{204}	17.4	X	64.80497	31.48586	128.06561	2.93916	0.1333170	0.27155011	2.3617616	21	4 30.5	19.7
245656 2005 YM_{209}	16.1	X	327.56298	116.91318	64.36029	15.38026	0.0786266	0.25997024	2.4313844	21	—	—
245657 2005 YZ_{212}	17.2	X	77.50607	158.69365	335.75139	7.59501	0.1698753	0.27114344	2.3641226	21	4 15.5	19.9
245658 2005 YC_{215}	17.2	X	224.36393	33.46063	89.59690	5.67806	0.1433619	0.29698320	2.2249220	21	9 22.4	20.3
245659 2005 YH_{257}	17.0	X	133.31033	189.21480	194.18841	5.34084	0.1264885	0.26376062	2.4080347	21	1 28.2	20.1
245660 2005 YB_{279}	16.2	X	118.55971	91.51714	84.12283	11.67094	0.1428580	0.22483515	2.6785098	21	8 8.7	20.4
245661 2005 YX_{280}	17.9	X	255.65198	154.87538	284.36472	2.82812	0.1196169	0.29381326	2.2408965	21	8 30.3	20.6
245662 2006 AV_{1}	17.3	X	26.30958	60.80965	122.36456	12.23467	0.1854935	0.26833796	2.3805719	21	3 27.3	19.4
245663 2006 AC_{17}	16.8	X	223.01096	24.48504	120.39195	3.88552	0.0536717	0.23574587	2.5952149	21	10 23.2	20.3
245664 2006 AU_{31}	17.6	X	169.77722	120.74374	358.62571	6.29042	0.1173833	0.28599928	2.2815295	21	7 18.1	20.9
245665 2006 AE_{64}	17.3	X	108.59170	214.26415	293.36449	8.76930	0.0509587	0.27942460	2.3171792	21	6 3.3	20.3
245666 2006 AO_{64}	15.9	X	183.88151	187.44457	122.69311	7.73981	0.0610005	0.19148584	2.9811119	21	1 2.7	20.4
245667 2006 AR_{82}	15.7	X	231.54730	0.77324	53.35118	13.60211	0.1710329	0.22559321	2.6725061	21	6 20.2	20.0
245668 2006 AQ_{84}	15.5	X	107.30055	136.71171	82.71189	12.47875	0.1271593	0.22343429	2.6896938	21	9 24.4	19.8
245669 2006 BE_{2}	17.8	X	98.71694	173.67933	312.97159	0.57594	0.1367145	0.27241799	2.3567428	21	5 4.7	20.7
245670 2006 BD_{10}	16.7	X	24.90965	36.79614	144.54587	5.36868	0.1896469	0.26630036	2.3926998	21	3 16.2	18.5
245671 2006 BF_{11}	17.6	X	163.73973	116.17702	27.14929	3.27094	0.1189946	0.28485766	2.2876212	21	8 13.1	21.0
245672 2006 BP_{24}	17.0	X	72.79911	195.33696	199.64326	1.39749	0.1692733	0.25570347	2.4583571	21	—	—
245673 2006 BP_{25}	17.3	X	141.74499	328.56594	145.45488	3.43286	0.1410014	0.27781351	2.3261291	21	6 10.3	20.6
245674 2006 BN_{27}	17.7	X	93.34694	206.67905	23.41418	0.64386	0.1547366	0.28724855	2.2749097	21	9 24.5	20.6
245675 2006 BX_{31}	16.9	X	325.61837	232.04874	328.28949	6.27095	0.0651779	0.25897045	2.4376381	21	1 15.4	20.1
245676 2006 BZ_{31}	17.2	X	80.79079	196.50170	348.07799	2.95740	0.1245869	0.27617881	2.3352989	21	6 30.5	19.9
245677 2006 BA_{41}	17.6	X	291.33021	301.88739	136.44798	5.65721	0.1230910	0.29894370	2.2151839	21	10 31.7	19.7
245678 2006 BV_{51}	16.4	X	179.73563	353.71129	119.16673	6.06965	0.0374369	0.21952922	2.7214968	21	7 17.9	20.1
245679 2006 BJ_{82}	16.5	X	36.68232	292.90815	55.77153	3.36426	0.1530440	0.23336242	2.6128558	21	12 12.3	19.7
245680 2006 BL_{84}	17.4	X	85.42212	176.26076	319.27531	6.02155	0.0721986	0.27156354	2.3616837	21	4 14.1	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
245681 2006 BN_{90}	17.5	X	283.45880	307.79241	129.54687	5.04689	0.1097182	0.29572431	2.2312318	21	10 16.9	19.7
245682 2006 BS_{91}	13.5	X	351.50978	119.13541	159.99824	10.47576	0.0920375	0.08281788	5.2125869	21	6 19.1	20.0
245683 2006 BU_{95}	17.5	X	13.34402	46.62639	167.52007	1.35347	0.1292842	0.26681177	2.3896414	21	4 12.9	19.6
245684 2006 BK_{96}	16.2	X	150.49759	300.80725	159.36432	8.84879	0.2659554	0.21282933	2.7783166	21	6 10.7	21.2
245685 2006 BC_{116}	17.5	X	47.15069	281.40292	285.31816	1.39496	0.1522446	0.27237896	2.3569680	21	6 11.7	19.7
245686 2006 BR_{116}	17.2	X	113.98104	55.41731	168.65782	1.95838	0.1720266	0.28654526	2.2786304	21	10 9.9	20.6
245687 2006 BQ_{129}	17.8	X	126.54315	40.10809	118.01119	0.45192	0.1363488	0.28023383	2.3127162	21	7 23.1	21.1
245688 2006 BP_{131}	16.3	X	138.46298	312.43168	333.55447	12.64386	0.1695026	0.23743796	2.5828704	21	—	—
245689 2006 BD_{133}	17.7	X	106.36135	173.63389	300.43470	3.14134	0.1915719	0.27009671	2.3702265	21	5 5.1	20.9
245690 2006 BT_{133}	17.2	X	338.59670	134.48723	152.59196	3.50618	0.1860534	0.27174783	2.3606159	21	5 20.8	19.2
245691 2006 BV_{148}	16.4	X	203.31640	131.18133	315.35051	4.17085	0.0863868	0.22027815	2.7153247	21	7 9.8	20.4
245692 2006 BB_{158}	17.2	X	342.83938	271.25513	353.21700	4.22989	0.1925103	0.26841695	2.3801049	21	4 19.5	19.3
245693 2006 BC_{165}	17.3	X	314.19538	157.07852	153.54496	3.43982	0.1694285	0.27410941	2.3470378	21	5 13.7	19.9
245694 2006 BQ_{167}	17.1	X	78.53273	299.93930	331.01362	3.47337	0.1360236	0.28968862	2.2621171	21	10 28.8	20.2
245695 2006 BA_{170}	17.1	X	346.28291	214.26902	146.99694	6.73688	0.1409065	0.29042060	2.2583146	21	10 19.8	19.0
245696 2006 BT_{185}	17.0	X	329.39502	117.31235	162.98504	5.06715	0.1255592	0.27267376	2.3552688	21	5 2.2	19.5
245697 2006 BL_{187}	16.9	X	80.20947	63.28222	80.10563	3.44815	0.1268564	0.26908593	2.3761584	21	5 1.2	19.5
245698 2006 BM_{208}	16.7	X	48.44931	217.28155	295.14890	5.83442	0.1823031	0.26499603	2.4005448	21	3 19.7	18.7
245699 2006 BO_{219}	16.3	X	331.32069	3.54843	78.52574	4.79159	0.1178272	0.24093197	2.5578383	21	—	—
245700 2006 BU_{224}	16.4	X	244.11534	182.24796	172.35096	4.53907	0.0818448	0.21014592	2.8019179	21	4 29.4	20.4
245701 2006 BP_{244}	17.0	X	129.35822	301.68330	119.71630	5.17130	0.1258688	0.26702778	2.3883524	21	3 17.7	20.1
245702 2006 BC_{247}	17.6	X	270.62368	333.02950	119.15823	1.85317	0.0710125	0.29571785	2.2312643	21	10 22.1	20.0
245703 2006 BX_{248}	16.9	X	116.78593	201.75456	338.77537	5.96354	0.0417028	0.28195591	2.3032898	21	8 2.5	19.8
245704 2006 BV_{264}	16.9	X	285.69109	306.02036	341.41086	11.63928	0.2009336	0.26267690	2.4146534	21	2 28.8	20.3
245705 2006 BJ_{271}	17.3	X	139.55481	347.25880	125.45587	5.99099	0.1767888	0.27599913	2.3363124	21	6 9.6	20.8
245706 2006 BE_{274}	15.3	X	132.92936	173.65280	118.81963	7.09344	0.0769350	0.17630137	3.1499157	21	12 30.9	20.2
245707 2006 BG_{275}	15.7	X	64.35907	216.69115	161.04028	10.45575	0.0874912	0.17902949	3.1178341	21	—	—
245708 2006 CD_{13}	17.2	X	22.17123	148.03687	143.70366	10.74643	0.1723757	0.28481359	2.2878572	21	9 14.4	19.2
245709 2006 CX_{17}	17.1	X	155.30194	154.05126	131.40748	9.82385	0.2252154	0.30492508	2.1861198	21	—	—
245710 2006 CX_{22}	15.7	X	80.99029	205.28812	355.03933	11.51518	0.0268607	0.21401398	2.7680544	21	7 9.4	19.6
245711 2006 CF_{26}	17.2	X	55.41476	235.46400	343.87908	1.65190	0.1686625	0.27717651	2.3296916	21	7 20.4	19.5
245712 2006 CQ_{33}	15.9	X	138.77213	46.18422	275.82796	3.12977	0.1590720	0.18627682	3.0364316	21	—	—
245713 2006 CY_{33}	17.1	X	216.95853	264.41676	170.65272	4.78958	0.0976449	0.22155958	2.7048448	21	7 8.3	21.1
245714 2006 CM_{44}	17.9	X	89.20461	77.42075	67.70366	2.12372	0.1267595	0.27335387	2.3513606	21	5 16.3	20.4
245715 2006 CL_{49}	17.5	X	105.31947	353.69607	138.63284	1.86994	0.1345867	0.27378539	2.3488892	21	5 22.3	20.4
245716 2006 CQ_{59}	17.8	X	35.02842	43.48256	142.86593	1.91544	0.1228067	0.26658564	2.3909925	21	4 13.9	20.0
245717 2006 CW_{59}	17.7	X	124.57530	282.82248	358.95545	0.93718	0.1495443	0.29756654	2.2220133	21	—	—
245718 2006 CY_{59}	17.4	X	56.28431	45.05136	182.39295	2.26123	0.2011783	0.27699806	2.3306921	21	8 8.1	19.8
245719 2006 CK_{66}	16.8	X	46.40820	50.90469	103.51130	4.66486	0.0826887	0.25643438	2.4536835	21	3 19.1	19.4
245720 2006 DO_{6}	17.5	X	136.91148	11.74053	125.53008	3.25422	0.1328796	0.27654769	2.3332218	21	7 5.6	20.7
245721 2006 DT_{7}	17.4	X	325.42351	246.74263	4.95832	2.32685	0.1451240	0.26197241	2.4189804	21	3 11.8	20.1
245722 2006 DT_{12}	17.8	X	81.94372	165.88010	342.46431	2.09963	0.1251766	0.26952845	2.3735569	21	5 8.9	20.4
245723 2006 DR_{13}	15.6	X	178.67448	213.09792	272.51906	8.40564	0.0328283	0.21922564	2.7240086	21	7 31.4	19.5
245724 2006 DA_{16}	17.8	X	103.68378	32.57861	87.25610	2.72154	0.1827428	0.27119906	2.3637993	21	5 10.2	20.7
245725 2006 DB_{28}	17.9	X	82.52022	96.67411	8.59050	2.83355	0.1661031	0.26303815	2.4124420	21	3 16.9	20.5
245726 2006 DS_{29}	17.5	X	337.87074	63.72011	171.16366	2.77643	0.1393205	0.26203399	2.4186014	21	3 8.0	19.9
245727 2006 DV_{34}	16.8	X	300.82535	284.57777	167.46216	5.09814	0.1528731	0.23595591	2.5936745	21	11 19.3	19.5
245728 2006 DO_{48}	16.9	X	112.29043	112.06697	158.91298	7.02507	0.1686906	0.29394406	2.2402316	21	12 8.1	20.4
245729 2006 DX_{48}	17.6	X	107.68135	122.91325	147.39118	3.42857	0.1631206	0.29171064	2.2516517	21	12 2.1	20.9
245730 2006 DU_{50}	17.5	X	347.80205	222.79021	163.39833	5.32701	0.1645924	0.30248029	2.1978834	21	12 6.2	19.3
245731 2006 DR_{54}	17.0	X	134.49897	147.91664	157.37379	5.20536	0.2147404	0.30124215	2.2039017	21	—	—
245732 2006 DB_{64}	17.4	X	92.74495	18.94596	151.49085	3.00955	0.1147524	0.27439700	2.3453976	21	6 25.1	20.2
245733 2006 DR_{69}	15.5	X	145.28298	158.31821	169.02845	9.25719	0.1440029	0.18153525	3.0890770	21	—	—
245734 2006 DF_{71}	17.8	X	1.12877	77.99586	152.70087	1.66609	0.1325132	0.26641836	2.3919932	21	4 14.3	20.0
245735 2006 DM_{83}	17.6	X	345.24644	305.28891	323.73997	3.49079	0.2288970	0.26770385	2.3843297	21	4 26.1	19.4
245736 2006 DU_{107}	17.5	X	355.61584	76.68480	167.39682	3.06080	0.1611152	0.26595552	2.3947676	21	4 21.7	19.5
245737 2006 DT_{108}	17.1	X	109.30895	205.17903	214.23388	1.96133	0.0853911	0.25744299	2.4472707	21	2 8.9	20.0
245738 2006 DK_{110}	17.3	X	316.51710	93.57645	180.43078	4.49933	0.1484335	0.26317951	2.4115781	21	3 28.9	19.9
245739 2006 DR_{115}	17.3	X	40.77752	263.84647	142.38686	3.33246	0.0380005	0.30546656	2.1835356	21	—	—
245740 2006 DK_{122}	16.3	X	321.97155	229.73603	43.50224	13.39435	0.2021996	0.26433408	2.4045508	21	4 1.4	19.2
245741 2006 DM_{138}	16.6	X	45.38745	246.94408	89.50023	3.91485	0.0633928	0.23091811	2.6312617	21	11 24.8	19.9
245742 2006 DS_{139}	17.1	X	41.41815	273.44184	38.08446	5.01799	0.1595285	0.28787865	2.2715889	21	11 10.5	19.8
245743 2006 DL_{140}	16.9	X	54.96742	107.19842	143.98779	10.13988	0.2055427	0.27752396	2.3277467	21	9 13.9	19.6
245744 2006 DC_{141}	17.3	X	52.39619	182.35491	127.04952	5.91538	0.1998705	0.28854839	2.2680725	21	11 29.5	20.3
245745 2006 DA_{142}	16.0	X	244.55880	250.73438	9.88949	8.41062	0.0700430	0.18681577	3.0305889	21	1 10.0	20.6
245746 2006 DL_{143}	17.7	X	146.70832	140.12700	150.98356	2.64098	0.1709883	0.30284210	2.1961326	21	—	—
245747 2006 DK_{145}	17.5	X	340.02902	144.50924	138.08759	2.87238	0.2258356	0.26986378	2.3715902	21	5 10.2	19.3
245748 2006 DM_{153}	17.2	X	46.49782	155.51346	192.08519	6.48672	0.1610354	0.29472208	2.2362873	21	—	—
245749 2006 DD_{160}	17.2	X	256.70628	8.71080	353.84569	1.73907	0.1353301	0.27418153	2.3466262	21	5 12.4	20.5
245750 2006 DQ_{162}	16.3	X	196.81165	136.22796	174.84961	5.80705	0.1016256	0.18850682	3.0124372	21	1 18.2	21.0
245751 2006 DT_{181}	17.2	X	99.98891	78.12502	111.38220	2.91020	0.0666640	0.27703246	2.3304991	21	7 25.5	19.9
245752 2006 DY_{184}	17.1	X	285.64604	344.44432	348.61426	12.45023	0.2799218	0.26852349	2.3794753	21	4 13.5	20.8
245753 2006 DZ_{184}	17.0	X	56.32657	355.94491	190.05376	4.03435	0.1720977	0.26855811	2.3792708	21	5 31.8	19.3
245754 2006 DC_{187}	17.7	X	112.02426	32.81723	41.80251	2.90728	0.1913740	0.26286224	2.4135182	21	3 22.5	20.7
245755 2006 DK_{193}	16.1	X	129.54667	265.61546	69.08945	28.12570	0.1153567	0.23459325	2.6037086	21	—	—
245756 2006 DM_{207}	17.1	X	44.77316	2.58006	205.66703	4.07053	0.1550842	0.26940347	2.3742909	21	6 10.3	19.3
245757 2006 EF_{5}	17.8	X	57.49077	76.73856	57.04184	2.12332	0.1248342	0.26308262	2.4121702	21	3 9.2	20.0
245758 2006 EJ_{7}	17.4	X	50.59459	230.93818	332.85218	1.81728	0.1603587	0.27049625	2.3678920	21	6 15.1	19.5
245759 2006 EK_{11}	17.3	X	19.68887	176.63347	22.36738	3.35946	0.1285314	0.26413930	2.4057327	21	4 2.6	19.5
245760 2006 ER_{14}	17.6	X	3.13153	292.56948	347.95160	2.10583	0.1893379	0.27270905	2.3550656	21	7 9.6	19.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
245761 2006 EO_{16}	17.6	X	300.38358	270.30793	15.74866	4.78518	0.2209113	0.26124226	2.4234855	21	3 13.8	20.9
245762 2006 EO_{65}	17.5	X	192.98274	156.73321	297.68101	1.60691	0.0478760	0.27672909	2.3322021	21	7 9.8	20.5
245763 2006 EL_{66}	17.2	X	196.76122	334.42618	295.65524	2.50240	0.1312056	0.30555276	2.1831249	21	—	—
245764 2006 FU_{6}	17.1	X	197.90669	320.89142	184.83583	2.96913	0.0465099	0.22145355	2.7057082	21	9 20.9	21.0
245765 2006 FZ_{7}	16.0	X	301.62154	78.98786	132.24927	1.25444	0.1362053	0.18403474	3.0610436	21	1 4.5	20.5
245766 2006 FW_{13}	17.1	X	192.27724	261.76779	178.34682	7.09528	0.0353181	0.27244849	2.3565669	21	6 18.9	20.3
245767 2006 FF_{21}	16.5	X	292.74928	276.72741	13.22101	7.54606	0.1278842	0.26234646	2.4166806	21	3 22.5	19.6
245768 2006 FW_{22}	17.2	X	335.39981	229.74440	44.22010	2.66224	0.1677167	0.26436658	2.4043537	21	4 26.0	19.2
245769 2006 FR_{26}	17.1	X	70.18279	293.90601	158.37401	2.33506	0.1473876	0.25484465	2.4638770	21	2 2.6	19.6
245770 2006 FK_{38}	16.9	X	206.63670	9.10582	21.75177	9.01191	0.0995786	0.26846500	2.3798208	21	4 26.8	20.2
245771 2006 FO_{38}	17.9	X	45.72955	121.97485	18.73648	10.59716	0.2064144	0.26087282	2.4257730	21	3 6.5	19.8
245772 2006 FM_{50}	14.9	X	197.19788	186.78498	98.89318	21.61750	0.1310995	0.17966694	3.1104550	21	—	—
245773 2006 GY_{8}	17.4	X	353.55586	187.24188	91.01260	3.35426	0.1973263	0.26883279	2.3776498	21	6 8.9	18.9
245774 2006 GT_{13}	16.1	X	144.58753	107.12452	72.11922	5.85494	0.0578358	0.21588821	2.7520106	21	9 4.5	20.1
245775 2006 GS_{21}	16.7	X	49.12309	29.27639	195.14869	6.44710	0.0673354	0.27297841	2.3535161	21	6 29.5	19.4
245776 2006 GX_{23}	15.2	X	13.14122	250.51453	194.77331	12.95019	0.0886921	0.17592500	3.1544067	21	—	—
245777 2006 GD_{27}	16.3	X	358.08243	308.67605	51.01048	7.20733	0.0815907	0.21932226	2.7232086	21	10 19.9	19.5
245778 2006 GY_{30}	17.4	X	266.90825	65.44169	183.49229	1.76930	0.1662539	0.24661548	2.5183872	21	—	—
245779 2006 GF_{35}	16.9	X	115.62099	58.01247	175.67046	4.62837	0.1477881	0.28481123	2.2878698	21	10 22.9	20.4
245780 2006 GU_{41}	16.9	X	90.79122	153.48245	97.95428	6.11797	0.1424757	0.28163627	2.3050322	21	10 21.2	20.2
245781 2006 GX_{42}	15.9	X	209.07707	285.49940	355.52340	12.16171	0.2414228	0.24044339	2.5613022	21	—	—
245782 2006 GJ_{45}	17.2	X	314.36385	257.43662	1.35992	2.47036	0.1510804	0.26005952	2.4308279	21	3 5.1	20.3
245783 2006 HP_{1}	16.6	X	176.78833	138.58651	47.24499	6.18496	0.0892098	0.22388372	2.6860930	21	10 17.4	20.6
245784 2006 HL_{3}	17.1	X	293.04926	227.39418	86.74097	4.49488	0.1211420	0.26327979	2.4109657	21	4 26.7	20.1
245785 2006 HS_{6}	16.4	X	111.70158	350.48940	243.26968	6.25421	0.1046654	0.28373612	2.2936455	21	10 12.6	19.8
245786 2006 HQ_{13}	17.2	X	124.43880	45.15228	223.19438	4.57513	0.1417808	0.29227638	2.2487452	21	12 14.4	20.5
245787 2006 HT_{15}	17.4	X	26.00711	206.54575	90.71952	3.28921	0.2124891	0.27490575	2.3425030	21	10 5.7	19.5
245788 2006 HD_{18}	16.9	X	131.54327	55.36163	58.00774	11.41384	0.1960955	0.27048580	2.3679529	21	6 2.5	20.5
245789 2006 HK_{21}	17.4	X	303.77728	155.17728	109.47058	3.50164	0.1741410	0.25611917	2.4556963	21	2 25.2	20.6
245790 2006 HX_{31}	16.5	X	325.43906	351.08357	216.07050	1.92906	0.0673286	0.18923598	3.0046939	21	2 5.5	20.4
245791 2006 HY_{35}	17.8	X	5.81341	298.27425	239.03938	1.27929	0.1482576	0.25779264	2.4450573	21	1 31.9	20.2
245792 2006 HS_{37}	16.9	X	165.19595	112.60976	188.41869	14.11537	0.1290961	0.23731326	2.5837751	21	—	—
245793 2006 HQ_{38}	17.3	X	32.97305	135.09881	163.71496	4.28368	0.1425052	0.27658636	2.3330043	21	10 7.2	19.7
245794 2006 HJ_{39}	16.8	X	169.61648	133.04724	185.59023	5.69623	0.2550671	0.23707590	2.5854994	21	1 4.5	21.2
245795 2006 HA_{50}	17.8	X	128.02291	82.39358	152.01215	2.84150	0.1696394	0.28668011	2.2779159	21	11 5.8	21.3
245796 2006 HM_{53}	16.4	X	160.91793	152.96377	91.82667	6.37719	0.1234754	0.22769392	2.6560429	21	12 10.6	20.6
245797 2006 HX_{59}	15.6	X	332.64142	111.97133	71.58903	16.84388	0.1477798	0.18410105	3.0603085	21	1 7.9	19.8
245798 2006 HJ_{66}	17.7	X	270.96189	159.13107	164.72288	1.32221	0.1862633	0.25798222	2.4438593	21	4 3.3	21.3
245799 2006 HB_{67}	16.6	X	83.45287	276.84972	52.17324	8.31145	0.2129663	0.28939360	2.2636543	21	—	—
245800 2006 HF_{80}	17.1	X	189.80371	149.94075	148.74882	1.09934	0.1467657	0.23917981	2.5703152	21	—	—
245801 2006 HL_{82}	15.5	X	345.78957	213.77275	226.96712	21.31594	0.0480924	0.23108873	2.6299664	21	—	—
245802 2006 HY_{85}	16.8	X	4.97541	144.39061	100.21550	3.70945	0.1166852	0.26493649	2.4009044	21	5 15.6	19.1
245803 2006 HT_{87}	17.2	X	68.50599	80.63409	211.11913	6.89781	0.1178196	0.28553790	2.2839866	21	11 13.0	20.0
245804 2006 HH_{90}	14.8	X	265.46354	346.83735	304.78614	18.21196	0.2109004	0.17761713	3.1343404	21	2 18.5	20.0
245805 2006 HC_{101}	17.7	X	69.97425	107.31106	128.64788	3.10796	0.1853757	0.27326426	2.3518746	21	9 8.1	20.6
245806 2006 HR_{102}	16.5	X	90.69473	317.34707	65.63132	13.69559	0.1636803	0.23629248	2.5912110	21	—	—
245807 2006 HZ_{102}	17.1	X	200.69833	69.74470	216.89916	12.43512	0.1860128	0.23835691	2.5762275	21	—	—
245808 2006 HY_{111}	16.1	X	131.07901	40.47311	251.09191	10.70201	0.1799438	0.22742072	2.6581697	21	—	—
245809 2006 HL_{121}	16.4	X	94.76023	218.67258	150.99153	12.85921	0.2700092	0.23181704	2.6244551	21	—	—
245810 2006 HA_{125}	16.8	X	166.67593	246.98498	53.13538	6.38903	0.2261615	0.23405381	2.6077077	21	—	—
245811 2006 HF_{137}	16.5	X	48.20108	14.76920	82.76230	2.30149	0.1602335	0.18556504	3.0441913	21	1 22.8	19.9
245812 2006 JM	17.1	X	31.93730	230.40934	28.16484	5.36632	0.2169264	0.26937451	2.3744610	21	8 18.1	19.2
245813 2006 JE_{2}	17.5	X	59.65399	340.27935	245.65241	1.38125	0.1581358	0.27109187	2.3644224	21	8 3.4	20.2
245814 2006 JC_{10}	15.1	X	115.13767	353.01143	46.21303	11.47752	0.0863523	0.18074067	3.0981239	21	2 11.0	19.7
245815 2006 JV_{17}	16.7	X	258.06146	6.21044	103.62482	3.28943	0.1674946	0.22319058	2.6916514	21	10 3.6	20.3
245816 2006 JZ_{20}	16.1	X	156.37717	215.57066	193.48906	12.63669	0.2354952	0.25422626	2.4678709	21	4 9.5	20.0
245817 2006 JH_{24}	16.3	X	265.18998	27.02764	41.12317	14.81727	0.0380602	0.21520016	2.7578734	21	9 13.3	20.3
245818 2006 JA_{25}	16.7	X	208.01604	137.62330	150.13421	1.57942	0.0776725	0.24242811	2.5473037	21	—	—
245819 2006 JL_{30}	17.0	X	193.64901	160.62259	114.10369	2.66859	0.1597627	0.23688900	2.5868592	21	—	—
245820 2006 JC_{33}	16.6	X	291.38404	63.94181	94.02660	12.84082	0.0952866	0.23656852	2.5891949	21	—	—
245821 2006 JE_{33}	16.0	X	43.66083	195.27727	151.71521	9.55239	0.1913476	0.22021229	2.7158660	21	12 22.4	19.8
245822 2006 JH_{33}	16.1	X	103.78899	100.98427	112.52919	9.80524	0.1378553	0.21130987	2.7916193	21	9 9.9	20.4
245823 2006 JG_{36}	17.1	X	213.08347	170.35599	122.83595	3.20119	0.1813273	0.24142334	2.5543666	21	1 6.2	21.1
245824 2006 JX_{41}	14.9	X	335.28243	303.02048	270.89613	25.55729	0.1501473	0.17779709	3.1322249	21	2 6.8	19.4
245825 2006 JM_{45}	16.8	X	222.72951	168.50640	113.77000	6.67561	0.0915855	0.24198885	2.5503854	21	1 1.1	20.6
245826 2006 JS_{45}	15.7	X	303.29468	162.99977	144.24961	9.81738	0.0885119	0.18839458	3.0136336	21	5 14.5	19.9
245827 2006 JB_{46}	15.3	X	249.11831	71.22537	238.56005	8.69776	0.0630477	0.17852918	3.1236563	21	3 10.5	20.1
245828 2006 JX_{46}	15.0	X	229.75259	196.66804	97.04763	21.13260	0.2735535	0.23897582	2.5717776	21	1 20.2	19.7
245829 2006 JK_{47}	16.3	X	207.27993	359.48508	218.79325	11.11868	0.1142313	0.23179798	2.6245989	21	12 25.5	20.2
245830 2006 JE_{51}	16.9	X	163.69292	331.29416	92.81258	3.33745	0.1353135	0.26217151	2.4177555	21	4 29.2	20.4
245831 2006 JG_{58}	16.0	X	205.91103	35.36739	125.47492	14.52726	0.1949074	0.22534684	2.6744536	21	10 13.6	20.6
245832 2006 KQ_{2}	16.0	X	324.12518	39.85652	121.54443	15.75759	0.0451822	0.24335805	2.5408103	21	—	—
245833 2006 KA_{3}	17.1	X	14.53564	143.32843	136.50828	5.48775	0.2007586	0.26786190	2.3833917	21	8 7.8	18.7
245834 2006 KD_{13}	16.1	X	164.11973	132.54746	144.22150	12.12171	0.1686177	0.23186853	2.6240666	21	—	—
245835 2006 KP_{15}	16.6	X	65.63729	260.46421	76.64936	6.15370	0.0460801	0.22423968	2.6832496	21	12 16.7	20.2
245836 2006 KL_{22}	16.2	X	159.52441	243.35711	78.88887	16.96050	0.1534556	0.23699424	2.5860933	21	—	—
245837 2006 KT_{23}	17.1	X	72.22948	118.45812	86.71958	3.18606	0.1601747	0.26924319	2.3752331	21	7 24.4	20.0
245838 2006 KB_{25}	16.9	X	41.67430	305.49667	62.37302	5.50984	0.0943371	0.22502061	2.6770379	21	—	—
245839 2006 KS_{29}	16.6	X	119.42986	186.03408	236.72129	6.01148	0.1494434	0.25129308	2.4870377	21	3 7.5	19.9
245840 2006 KX_{31}	17.3	X	301.16133	247.11632	41.64683	2.90463	0.1956218	0.25696754	2.4502884	21	3 22.4	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
245841 2006 KX_{45}	17.1	X	163.26348	212.92452	93.85469	3.87217	0.1860063	0.23425486	2.6062154	21	—	—
245842 2006 KB_{46}	15.9	X	106.19760	156.90134	208.61199	4.66916	0.2529311	0.23300291	2.6155428	21	—	—
245843 2006 KR_{60}	16.3	X	265.42167	291.77087	148.76667	7.38058	0.0428962	0.21418047	2.7666198	21	9 22.6	20.1
245844 2006 KX_{63}	15.6	X	359.01037	243.29473	213.83097	13.72794	0.2610889	0.17721813	3.1390432	21	—	—
245845 2006 KF_{64}	16.6	X	121.04371	290.48612	181.44189	7.15466	0.0553306	0.26139275	2.4225553	21	5 4.8	19.8
245846 2006 KS_{76}	16.7	X	134.63857	76.43480	219.82610	5.39786	0.1533413	0.22702108	2.6612883	21	—	—
245847 2006 KE_{83}	16.2	X	52.69927	243.91663	44.44935	5.64006	0.0786872	0.21382789	2.7696602	21	10 4.2	19.8
245848 2006 KR_{101}	15.8	X	213.50399	82.06636	252.31052	18.66012	0.1443130	0.17438826	3.1729110	21	2 23.5	21.4
245849 2006 KJ_{108}	17.4	X	118.14503	30.38461	289.42801	1.80585	0.2072578	0.29468665	2.2364666	21	—	—
245850 2006 KG_{112}	17.3	X	305.56806	289.78684	322.77512	1.29694	0.1302886	0.25275504	2.4774382	21	2 17.2	20.4
245851 2006 KH_{118}	15.5	X	166.69938	237.49000	104.55240	31.91851	0.3172225	0.23134344	2.6280357	21	2 4.8	20.4
245852 2006 KV_{123}	16.3	X	165.88191	217.10124	86.35734	13.08580	0.1906529	0.23267257	2.6180178	21	—	—
245853 2006 LB_{2}	15.7	X	107.73363	229.88428	106.06807	12.84726	0.2274663	0.22567869	2.6718311	21	—	—
245854 2006 MM_{8}	16.9	X	192.65714	164.75858	121.03681	15.16344	0.2357371	0.23157342	2.6262954	21	—	—
245855 2006 MG_{11}	16.3	X	153.56186	200.30863	143.88669	14.78686	0.2644970	0.22970576	2.6405119	21	1 22.9	20.7
245856 2006 MX_{12}	16.1	X	209.22103	15.85606	313.03070	13.23172	0.3220608	0.23651864	2.5895590	21	2 13.9	21.1
245857 2006 MA_{13}	15.6	X	148.43684	231.58607	93.33950	15.93211	0.1146579	0.23045068	2.6348186	21	—	—
245858 2006 OG_{9}	16.3	X	314.07715	123.76539	226.10319	4.49478	0.2066626	0.26039005	2.4287704	21	7 5.5	18.6
245859 2006 OD_{10}	15.3	X	210.79726	331.87463	330.75701	32.98714	0.2196470	0.23208699	2.6224196	21	1 27.7	20.1
245860 2006 OB_{14}	16.1	X	158.36062	175.66070	146.09178	13.36920	0.1676985	0.22811753	2.6527538	21	—	—
245861 2006 OD_{15}	15.6	X	348.06317	340.73280	359.19548	9.02872	0.2102957	0.19921227	2.9035233	21	9 4.4	18.2
245862 2006 OM_{17}	15.6	X	70.87237	319.47634	339.25319	20.26658	0.1122463	0.21101503	2.7942191	21	11 2.2	20.0
245863 2006 PJ_{8}	16.2	X	122.22325	235.72265	69.02928	5.22862	0.1936743	0.22022880	2.7157303	21	—	—
245864 2006 PQ_{15}	17.1	X	221.44284	233.69155	106.65630	4.18482	0.1461688	0.24129350	2.5552828	21	3 13.1	21.1
245865 2006 PR_{15}	16.1	X	66.14720	231.88370	119.33850	8.50016	0.2129088	0.21371364	2.7706472	21	—	—
245866 2006 PT_{17}	16.1	X	195.60801	306.62493	323.31803	9.86987	0.2951909	0.22726753	2.6593640	21	—	—
245867 2006 PF_{20}	15.6	X	249.62260	243.54823	53.89723	10.59342	0.1908750	0.17534788	3.1613242	21	2 23.5	20.9
245868 2006 PJ_{21}	15.0	X	284.54084	332.07771	323.91100	26.88080	0.1253347	0.18139804	3.0906346	21	3 15.9	20.0
245869 2006 PD_{22}	15.5	X	271.77599	232.12520	97.26798	3.47746	0.0728905	0.18313422	3.0710700	21	5 3.0	19.9
245870 2006 PQ_{28}	15.4	X	213.39558	264.21942	86.07038	26.09786	0.2133531	0.17403925	3.1771515	21	4 4.2	21.3
245871 2006 PW_{31}	16.3	X	178.12834	264.53977	100.57595	13.01280	0.3112596	0.23541464	2.5976486	21	3 14.8	21.2
245872 2006 PD_{32}	15.3	X	119.01359	325.89178	134.57149	12.08977	0.0662435	0.17865968	3.1221351	21	4 28.8	20.0
245873 2006 PW_{32}	15.9	X	215.20159	243.46066	72.42167	13.35982	0.1795336	0.23577175	2.5950249	21	2 8.6	20.4
245874 2006 PP_{34}	16.1	X	328.65879	333.55959	314.88526	12.41365	0.2190929	0.25713696	2.4492120	21	4 19.9	19.0
245875 2006 PY_{34}	15.2	X	156.11970	160.79173	284.03284	11.94021	0.0783689	0.18438085	3.0572117	21	5 15.5	20.0
245876 2006 PG_{43}	15.3	X	201.17352	287.70385	73.93694	26.41514	0.0907036	0.17327763	3.1864545	21	4 9.7	20.7
245877 2006 QU	15.3	X	167.45984	98.00131	261.05683	17.27919	0.1003303	0.16805618	3.2521187	21	2 10.8	20.6
245878 2006 QU_{8}	16.4	X	130.81528	128.04076	194.28853	1.08934	0.2207063	0.22104169	2.7090681	21	—	—
245879 2006 QL_{17}	15.6	X	26.93254	312.83477	352.46089	5.74445	0.0638058	0.19988068	2.8970468	21	9 14.6	19.2
245880 2006 QM_{19}	15.2	X	61.87371	257.44994	131.95958	10.78050	0.1048987	0.15193154	3.4783298	21	—	—
245881 2006 QU_{32}	16.2	X	36.37114	163.28916	167.73116	13.85944	0.1949777	0.20481781	2.8503022	21	11 22.9	20.1
245882 2006 QJ_{36}	15.7	X	242.42662	89.17761	263.00253	15.09953	0.1237882	0.18020777	3.1042287	21	4 17.3	20.7
245883 2006 QK_{38}	15.5	X	269.67596	114.31347	174.66005	10.35526	0.1950169	0.17699772	3.1416485	21	2 24.9	20.6
245884 2006 QC_{45}	16.1	X	244.92066	3.37836	156.61904	12.26546	0.0084965	0.21301755	2.7766797	21	12 11.3	20.2
245885 2006 QO_{50}	15.8	X	356.93199	157.68457	139.87919	11.70916	0.1933584	0.19256230	2.9699915	21	7 19.4	18.8
245886 2006 QF_{52}	15.5	X	328.72153	325.35034	10.71981	10.66314	0.1365068	0.19385513	2.9567721	21	7 26.4	19.1
245887 2006 QY_{53}	16.1	X	120.99648	264.25052	57.66041	9.66135	0.1883115	0.22047931	2.7136729	21	—	—
245888 2006 QO_{56}	16.2	X	185.21456	27.60054	290.39949	2.92836	0.2245828	0.23012963	2.6372686	21	1 15.8	20.7
245889 2006 QH_{57}	15.6	X	354.47219	33.04430	164.06071	17.95791	0.0758989	0.17338505	3.1851382	21	3 7.5	19.5
245890 Krynychenka	15.2	X	214.85226	190.74489	176.26416	19.79130	0.2728550	0.17607593	3.1526037	21	4 10.6	20.9
245891 2006 QA_{60}	15.5	X	235.63661	180.65698	183.60081	16.51323	0.2315967	0.17908343	3.1172080	21	4 24.5	20.9
245892 2006 QO_{63}	15.1	X	221.53297	158.83508	179.96691	25.37526	0.2069766	0.17289085	3.1912050	21	3 13.7	20.6
245893 2006 QA_{76}	15.9	X	344.77300	226.12238	347.81121	8.88150	0.0260748	0.17400513	3.1775667	21	3 17.9	20.1
245894 2006 QH_{77}	16.0	X	341.44416	156.72053	164.65827	11.53161	0.0958550	0.19462775	2.9489418	21	7 25.5	19.7
245895 2006 QJ_{77}	16.1	X	58.37294	116.48814	225.35931	3.54516	0.0775699	0.21196411	2.7858720	21	12 15.9	19.9
245896 2006 QV_{78}	16.4	X	151.67005	232.21453	145.86947	12.73003	0.2162158	0.23118132	2.6292642	21	2 27.8	20.5
245897 2006 QM_{80}	16.5	X	178.89306	126.76640	144.58453	13.20568	0.2074094	0.22420059	2.6835615	21	—	—
245898 2006 QB_{83}	15.2	X	251.95559	358.59802	322.47571	8.27625	0.0232137	0.17694412	3.1422830	21	3 31.8	19.8
245899 2006 QN_{84}	15.6	X	282.34474	168.80947	154.48432	13.40749	0.0525299	0.18312811	3.0711383	21	5 14.0	20.1
245900 2006 QX_{91}	16.0	X	269.97250	38.44947	286.89911	7.94394	0.1401110	0.18304851	3.0720286	21	4 12.2	20.8
245901 2006 QH_{98}	16.0	X	56.39379	166.84975	174.63182	14.25987	0.2005457	0.21036805	2.7999452	21	12 28.6	20.4
245902 2006 QS_{98}	16.0	X	204.10048	200.52568	104.11988	15.51754	0.2673229	0.23265083	2.6181809	21	1 15.7	20.8
245903 2006 QH_{106}	16.6	X	13.07202	100.88403	182.91833	6.59920	0.2282952	0.26161218	2.4212004	21	8 11.9	18.4
245904 2006 QO_{110}	15.8	X	244.90960	285.42420	103.18562	5.24778	0.1526055	0.18288303	3.0738815	21	6 5.7	20.4
245905 2006 QQ_{110}	16.3	X	191.54475	178.29978	145.25622	8.12746	0.2271109	0.23125133	2.6287335	21	1 26.6	20.7
245906 2006 QT_{113}	15.7	X	188.96248	281.88144	351.66536	17.50607	0.1826383	0.22419107	2.6836375	21	—	—
245907 2006 QY_{114}	15.2	X	254.48685	19.45108	302.58933	16.47637	0.1078634	0.17702496	3.1413262	21	3 21.5	20.3
245908 2006 QD_{115}	16.1	X	229.29340	27.82097	265.67958	10.79909	0.1644360	0.23534869	2.5981339	21	1 19.2	20.4
245909 2006 QL_{131}	15.9	X	80.00601	76.67582	243.81729	7.82834	0.0451005	0.21219457	2.7838546	21	12 11.1	19.9
245910 2006 QV_{135}	16.2	X	353.67182	43.87650	306.49041	2.02423	0.0752506	0.19988918	2.8969646	21	9 24.3	19.7
245911 2006 QJ_{138}	15.3	X	208.19549	352.51740	329.02517	9.74489	0.0680122	0.16870341	3.2437955	21	2 14.5	20.3
245912 2006 QL_{141}	16.6	X	161.74182	77.10772	308.59731	11.96209	0.1828759	0.23485545	2.6017703	21	3 9.1	20.9
245913 2006 QR_{146}	16.9	X	223.85135	269.02984	359.11705	1.75720	0.1682996	0.22999937	2.6382642	21	—	—
245914 2006 QY_{161}	16.8	X	257.04075	121.21183	298.70955	4.02900	0.0896404	0.25820544	2.4424506	21	8 7.8	19.9
245915 2006 QB_{162}	15.9	X	339.71707	248.13525	97.61584	3.11586	0.1180327	0.19442386	2.9510031	21	8 27.5	19.2
245916 2006 QQ_{165}	16.1	X	349.23698	185.61861	284.49074	3.78019	0.0697564	0.21893775	2.7263961	21	—	—
245917 2006 QS_{171}	15.6	X	87.03928	0.63920	146.27953	7.01450	0.0832848	0.17915806	3.1163423	21	5 17.4	20.0
245918 2006 QF_{185}	15.4	X	117.07542	313.53771	176.52139	10.32852	0.0858731	0.17776148	3.1326433	21	6 1.8	20.1
245919 2006 RX_{2}	16.3	X	157.97186	162.64963	172.99859	6.31399	0.1413369	0.22633696	2.6666482	21	1 5.9	20.4
245920 2006 RG_{4}	15.4	X	269.26642	172.68077	181.04074	10.08404	0.1147473	0.18217449	3.0818465	21	5 25.6	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
245921 2006 RT_8	16.0	X	242.90527	132.23575	188.54650	10.88004	0.1997898	0.17452487	3.1712550	21	3 9.8	21.2
245922 2006 RY_{11}	16.1	X	238.59137	128.69278	217.67726	0.14693	0.1829983	0.17639239	3.1488319	21	4 7.0	21.1
245923 2006 RU_{12}	16.2	X	187.67639	72.83053	259.70993	7.07285	0.0320122	0.23412601	2.6071716	21	1 22.5	19.9
245924 2006 RJ_{13}	15.7	X	235.16614	54.97236	266.14347	9.02416	0.1989796	0.17528519	3.1620779	21	2 28.8	21.1
245925 2006 RT_{15}	15.0	X	267.44927	337.45915	321.53077	17.38687	0.1231034	0.17465492	3.1696806	21	3 9.3	19.9
245926 2006 RU_{18}	15.1	X	208.40348	186.04796	217.81943	14.99435	0.2801332	0.17595598	3.1540363	21	5 17.0	20.7
245927 2006 RG_{19}	16.3	X	126.62517	197.58594	184.55726	6.27811	0.1960041	0.22438411	2.6820980	21	2 4.2	20.3
245928 2006 RG_{20}	15.2	X	316.74013	51.47157	229.37889	11.48975	0.0701770	0.18047473	3.1011668	21	4 28.2	19.3
245929 2006 RV_{21}	15.4	X	312.60033	51.09596	290.45466	16.54439	0.3000918	0.19008333	2.9957577	21	6 6.3	19.1
245930 2006 RZ_{21}	14.8	X	310.99472	44.59790	273.30848	18.11744	0.1918548	0.18619107	3.0373638	21	5 19.5	18.9
245931 2006 RW_{30}	15.3	X	233.54437	35.96734	304.00226	8.31041	0.0777639	0.17402876	3.1772791	21	3 28.7	20.2
245932 2006 RP_{34}	15.5	X	199.10739	31.67009	321.04153	9.28464	0.1038168	0.17129624	3.2109792	21	3 10.3	20.6
245933 2006 RF_{47}	16.2	X	291.65933	212.15902	115.84374	2.15338	0.1763485	0.18229207	3.0805211	21	5 10.6	20.4
245934 2006 RT_{51}	16.6	X	37.33154	252.74426	138.60764	0.89958	0.0799012	0.20925093	2.8099016	21	—	—
245935 2006 RY_{53}	16.0	X	349.46498	235.90474	59.13941	3.49361	0.0359463	0.18336398	3.0685041	21	7 6.3	20.0
245936 2006 RG_{64}	15.7	X	257.50164	149.23637	168.35833	15.32863	0.1302705	0.17629652	3.1499734	21	3 27.9	20.5
245937 2006 RS_{65}	15.4	X	269.69399	340.38699	4.92518	11.66673	0.0800871	0.18172763	3.0868966	21	5 14.8	20.1
245938 2006 RB_{73}	16.4	X	110.06004	318.97765	38.35694	1.14851	0.0920186	0.21922948	2.7239768	21	—	—
245939 2006 RR_{78}	15.5	X	194.02885	195.08165	177.12358	11.33883	0.1379239	0.17075783	3.2177253	21	4 1.2	20.7
245940 2006 RM_{79}	16.0	X	304.06101	212.88451	136.64411	2.51706	0.0516740	0.18711811	3.0273235	21	7 12.2	20.1
245941 2006 RL_{83}	16.2	X	38.80047	51.06065	215.63306	1.65851	0.1284085	0.19082606	2.9879794	21	8 18.5	19.9
245942 2006 RS_{104}	15.9	X	338.58490	198.31955	114.25872	9.15270	0.1153483	0.18547371	3.0451905	21	7 8.6	19.5
245943 Davidjoseph	16.1	X	38.41773	191.81896	20.14012	1.37889	0.1500081	0.17877512	3.1207909	21	6 7.3	19.7
245944 2006 SH_2	16.3	X	199.87079	73.45469	264.47263	11.86623	0.1642308	0.23462476	2.6034754	21	2 12.6	20.8
245945 2006 SX_{12}	15.6	X	217.44131	222.58799	205.61220	10.78109	0.0265993	0.19043047	2.9921159	21	7 4.6	20.1
245946 2006 SF_{16}	15.8	X	266.64587	24.09898	358.22315	8.86711	0.1486544	0.18436516	3.0573851	21	6 21.6	20.4
245947 2006 SK_{16}	15.2	X	180.79593	213.13653	209.07047	8.96643	0.0891682	0.17536442	3.1611254	21	5 17.4	20.0
245948 2006 SJ_{19}	14.7	X	234.32013	121.73669	238.28988	25.11223	0.2977717	0.17698004	3.1418577	21	4 9.1	20.5
245949 2006 SG_{21}	16.3	X	107.96999	204.94837	158.22487	6.32363	0.0435350	0.22143882	2.7058282	21	—	—
245950 2006 SD_{26}	16.4	X	93.62016	93.03520	260.52697	5.89399	0.1496377	0.21598329	2.7512028	21	—	—
245951 2006 SO_{26}	16.3	X	331.16386	143.52977	155.16792	3.74884	0.2184813	0.18864809	3.0109331	21	5 25.6	19.7
245952 2006 SO_{27}	15.6	X	274.87631	2.23582	289.63735	19.50185	0.2421529	0.24316100	2.5421828	21	2 14.3	20.1
245953 2006 SS_{36}	15.6	X	234.11287	2.76091	342.35660	14.03703	0.3111498	0.23984225	2.5655802	21	3 19.1	20.3
245954 2006 SR_{42}	15.3	X	261.05344	205.17175	129.47934	10.23518	0.1480167	0.17512102	3.1640538	21	4 21.9	20.3
245955 2006 SA_{46}	16.1	X	117.86556	142.04301	219.15927	11.25933	0.1565031	0.21992907	2.7181972	21	—	—
245956 2006 SW_{46}	15.3	X	306.34183	329.74299	307.26349	6.01964	0.0965688	0.17733221	3.1376967	21	4 3.5	19.7
245957 2006 SX_{48}	16.6	X	75.12789	310.86760	88.66966	1.13946	0.1825416	0.21866394	2.7286716	21	—	—
245958 2006 SR_{51}	16.4	X	131.23896	265.90869	113.85311	12.22831	0.2060914	0.22663575	2.6643040	21	2 10.3	20.3
245959 2006 SY_{55}	15.7	X	169.55656	147.55930	217.60008	13.14458	0.2735270	0.22937942	2.6430158	21	2 25.8	20.5
245960 2006 SF_{57}	15.1	X	221.20404	133.18014	224.89699	12.02741	0.1478424	0.17457979	3.1705899	21	4 5.3	20.4
245961 2006 SD_{58}	15.1	X	297.69276	189.37552	149.10384	14.00876	0.3437935	0.18516189	3.0486084	21	5 10.5	19.7
245962 2006 SE_{59}	15.0	X	108.62299	146.22001	315.77309	11.86278	0.1029921	0.17015451	3.2253269	21	4 13.2	19.9
245963 2006 SH_{65}	16.3	X	113.34868	123.14280	184.83960	7.07914	0.1167355	0.21402245	2.7679813	21	—	—
245964 2006 SC_{75}	15.9	X	1.14950	255.73228	55.51079	4.61734	0.1325240	0.18982671	2.9984571	21	8 18.6	19.3
245965 2006 SU_{79}	15.3	X	272.80902	25.38966	278.02209	13.08134	0.1449029	0.17397054	3.1779879	21	3 16.8	20.4
245966 2006 SL_{84}	16.1	X	303.66958	254.21176	19.56498	4.76080	0.1402777	0.17486886	3.1670948	21	3 24.9	20.5
245967 2006 SC_{88}	15.8	X	292.78222	209.17074	56.68200	2.90213	0.1069285	0.16879053	3.2426793	21	3 8.2	20.3
245968 2006 SE_{90}	16.1	X	269.72281	332.65993	349.75614	1.51476	0.0844210	0.17405237	3.1769918	21	4 19.4	20.6
245969 2006 SL_{95}	15.8	X	297.58045	260.39904	45.90616	1.08804	0.1632323	0.17787894	3.1312640	21	4 22.3	20.1
245970 2006 SZ_{98}	16.0	X	286.55330	262.25409	35.90391	1.51339	0.1986577	0.17568824	3.1572399	21	3 25.9	20.7
245971 2006 SX_{107}	15.0	X	259.43249	182.00696	158.54522	20.72361	0.1109804	0.17832837	3.1260008	21	5 2.1	20.0
245972 2006 SR_{111}	14.8	X	217.66449	274.72342	126.23821	16.78458	0.2158073	0.17795186	3.1304086	21	5 26.6	20.3
245973 2006 ST_{112}	16.3	X	292.20775	192.02544	176.97998	9.41684	0.1041547	0.18944473	3.0024862	21	7 12.6	20.5
245974 2006 SU_{115}	15.5	X	338.05121	279.58928	77.19722	15.09849	0.1773797	0.19330297	2.9624000	21	9 14.4	19.0
245975 2006 SL_{124}	15.4	X	335.87722	240.95578	116.01562	10.40527	0.1321898	0.19243483	2.9713029	21	9 6.7	18.9
245976 2006 SH_{126}	15.5	X	300.62529	196.77105	165.52587	7.28691	0.1001830	0.18759360	3.0222058	21	7 16.7	19.5
245977 2006 SV_{128}	15.4	X	75.70910	129.64265	261.64398	11.43923	0.1591858	0.21686891	2.7437078	21	—	—
245978 2006 SY_{131}	16.4	X	153.39856	152.84961	204.52337	11.64149	0.2003816	0.22751941	2.6574010	21	1 30.4	20.8
245979 2006 SX_{134}	15.5	X	160.57456	355.90504	267.71071	14.13343	0.2035015	0.21903508	2.7255884	21	12 28.1	20.1
245980 2006 SD_{154}	16.6	X	222.42598	145.17328	195.75996	4.59977	0.2671781	0.23694471	2.5864537	21	3 9.6	21.2
245981 2006 SN_{155}	16.2	X	289.45688	287.24653	66.39161	12.52960	0.1785133	0.25246381	2.4793431	21	6 5.4	19.2
245982 2006 SW_{166}	16.1	X	204.95043	352.91569	300.28685	2.73386	0.0795439	0.22628698	2.6670409	21	—	—
245983 Machholz	15.1	X	181.67136	230.20914	211.29389	23.10194	0.1068237	0.17813357	3.1282794	21	6 9.2	20.3
245984 2006 SX_{209}	16.8	X	327.39616	142.37266	144.02070	1.45110	0.2517198	0.18448715	3.0560372	21	4 26.3	20.1
245985 2006 SA_{213}	16.0	X	164.38925	189.94988	143.50132	11.75838	0.2153534	0.22412059	2.6842000	21	1 16.4	20.4
245986 2006 SU_{214}	15.5	X	311.17420	204.20639	131.69022	5.77090	0.0904364	0.18632255	3.0359348	21	6 29.3	19.4
245987 2006 SY_{223}	15.6	X	276.10737	302.15545	38.02841	7.94955	0.0988357	0.17681003	3.1438715	21	5 16.5	20.0
245988 2006 SM_{228}	15.9	X	114.51321	23.22183	296.44661	4.11014	0.0234695	0.21281786	2.7784164	21	—	—
245989 2006 SG_{255}	15.7	X	263.51714	312.94412	31.70467	12.22310	0.1140294	0.17943765	3.1131043	21	5 4.7	20.4
245990 2006 SF_{270}	15.7	X	157.79252	220.59055	222.76487	9.45907	0.0644519	0.18089127	3.0964042	21	5 17.2	20.2
245991 2006 SK_{274}	15.3	X	229.13226	143.71265	180.61360	12.87867	0.1180607	0.16837494	3.2480129	21	3 7.3	20.3
245992 2006 SL_{278}	15.5	X	280.78923	116.64182	218.61116	21.84920	0.2441846	0.18220559	3.0814958	21	4 26.9	20.0
245993 2006 SZ_{279}	16.2	X	222.72641	234.89738	143.64126	15.14831	0.1848564	0.23984039	2.5655934	21	5 2.7	20.7
245994 2006 SS_{281}	15.6	X	201.39191	251.66383	173.31259	15.56470	0.1127517	0.17910640	3.1169414	21	6 10.7	20.8
245995 2006 SN_{301}	16.2	X	196.64794	288.31897	108.66174	12.94614	0.1972193	0.23880103	2.5730324	21	5 3.0	20.7
245996 2006 SH_{303}	15.8	X	324.33967	85.59607	202.66853	8.94505	0.0920336	0.18211358	3.0825337	21	5 17.6	19.8
245997 2006 SX_{306}	16.9	X	281.50400	57.50109	234.40439	5.55684	0.1173583	0.23998727	2.5645465	21	3 12.2	20.6
245998 2006 SL_{308}	15.6	X	28.92834	245.75805	357.31728	8.55788	0.3010032	0.18568060	3.0429282	21	7 27.7	18.6
245999 2006 SA_{319}	15.8	X	0.45670	106.83475	175.67165	10.08416	0.0825510	0.18421323	3.0590659	21	7 4.3	19.9
246000 2006 SC_{334}	16.0	X	157.13750	94.67349	128.35468	2.89730	0.0196857	0.20162363	2.8803268	21	11 9.0	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
246001 2006 SM_{349}	15.7	X	214.44924	202.87483	182.07462	5.13424	0.1761890	0.17440688	3.1726852	21	5 3.2	21.0
246002 2006 SV_{361}	15.8	X	184.42153	288.29204	196.54724	8.16221	0.1115387	0.18063724	3.0993065	21	8 3.2	20.9
246003 2006 SL_{367}	16.0	X	175.02682	254.14673	88.73244	16.12202	0.2419969	0.22825772	2.6516675	21	2 10.5	20.7
246004 2006 TO_{12}	15.6	X	216.15828	216.16571	177.64362	10.90489	0.0589105	0.17754158	3.1352295	21	5 21.9	20.4
246005 2006 TS_{12}	16.1	X	256.54449	33.95144	243.35888	12.99098	0.2301519	0.23507167	2.6001746	21	1 18.9	20.7
246006 2006 TT_{13}	16.0	X	114.44671	174.30922	129.58351	5.30052	0.0936426	0.20982876	2.8047407	21	—	—
246007 2006 TO_{14}	16.0	X	216.73018	352.64447	289.68450	6.64250	0.1556317	0.22854047	2.6494799	21	—	—
246008 2006 TL_{15}	15.5	X	299.25802	158.68394	210.46293	9.07716	0.1529595	0.18735846	3.0247340	21	7 14.8	19.7
246009 2006 TF_{17}	16.3	X	322.08817	149.71159	197.82806	6.86514	0.1224922	0.18738101	3.0244912	21	7 26.3	20.0
246010 2006 TD_{20}	15.6	X	284.89089	292.13487	13.65435	5.32985	0.1689624	0.17444423	3.1722323	21	4 5.8	20.3
246011 2006 TO_{51}	16.4	X	193.95786	187.31844	188.76958	4.16962	0.1485230	0.23297578	2.6157458	21	3 30.5	20.5
246012 2006 TU_{63}	15.7	X	229.94096	297.65225	82.82591	12.47075	0.1234134	0.17611218	3.1521711	21	5 16.4	20.6
246013 2006 TB_{67}	15.7	X	47.43075	36.07217	287.42862	7.82036	0.0931443	0.20086966	2.8875299	21	11 7.2	19.7
246014 2006 TN_{68}	16.4	X	80.80176	185.77090	170.78235	3.99114	0.1097666	0.21235493	2.7824529	21	—	—
246015 2006 TA_{71}	15.7	X	333.30811	268.59071	54.28383	9.13187	0.0901036	0.18569609	3.0427589	21	7 17.6	19.6
246016 2006 TT_{73}	16.0	X	284.76415	221.06566	118.21406	2.27835	0.2027561	0.17997268	3.1069314	21	5 12.8	20.5
246017 2006 TB_{78}	15.1	X	242.68993	208.01307	136.23750	12.64977	0.0709983	0.17284307	3.1917931	21	4 22.6	20.0
246018 2006 TA_{79}	15.5	X	197.74212	117.55526	225.47315	6.97763	0.0689629	0.15974571	3.3639529	21	2 26.9	20.7
246019 2006 TX_{92}	15.2	X	146.83443	313.70956	34.11423	15.01121	0.1492541	0.15610263	3.4160895	21	1 26.9	20.7
246020 2006 TU_{109}	15.6	X	42.90035	217.36351	143.42158	13.37052	0.0517499	0.20366710	2.8610282	21	12 16.2	19.7
246021 2006 TS_{117}	15.3	X	296.39134	205.24200	112.74933	11.40400	0.0748069	0.17641700	3.1485391	21	5 21.9	19.8
246022 2006 UN_{2}	15.7	X	315.06187	93.95262	276.00079	7.03983	0.1561819	0.19198032	2.9759907	21	8 9.9	19.3
246023 2006 UU_{13}	15.9	X	79.59794	228.92479	60.20747	7.72702	0.1987262	0.19887897	2.9067665	21	11 18.4	20.4
246024 2006 UJ_{43}	15.7	X	240.44468	305.22450	42.30272	14.68566	0.1323105	0.23821068	2.5772817	21	4 12.3	19.7
246025 2006 UE_{54}	15.5	X	254.77152	7.18291	307.39975	4.19318	0.1594814	0.17150883	3.2083253	21	3 16.1	20.7
246026 2006 UF_{54}	15.8	X	332.01191	125.83723	215.26844	20.78093	0.2928834	0.19130603	2.9829795	21	7 11.1	19.2
246027 2006 UF_{56}	15.7	X	88.20417	274.37890	263.56066	6.00778	0.0534513	0.18368038	3.0649793	21	6 21.1	19.9
246028 2006 UJ_{67}	16.6	X	265.65651	283.68223	50.90480	15.47561	0.1936483	0.24378815	2.5378210	21	4 16.4	20.5
246029 2006 UB_{71}	15.9	X	146.29137	160.55122	195.07810	12.35771	0.2405611	0.22239641	2.6980554	21	1 26.7	20.4
246030 2006 UB_{75}	16.5	X	186.89008	101.67938	186.21137	5.09248	0.2594662	0.22460303	2.6803550	21	—	—
246031 2006 UW_{76}	15.9	X	264.41519	14.13987	336.29406	4.80519	0.1314661	0.17757307	3.1348587	21	5 10.6	20.6
246032 2006 UT_{89}	16.4	X	197.41498	7.73944	359.55193	1.93395	0.1803480	0.23296231	2.6158466	21	3 23.2	20.7
246033 2006 UV_{89}	16.2	X	180.20418	145.14858	255.25903	3.31064	0.1378346	0.23403982	2.6078116	21	4 15.1	20.4
246034 2006 UT_{95}	16.1	X	327.88974	106.90977	195.58207	10.46444	0.0692379	0.17925948	3.1151668	21	6 12.7	20.4
246035 2006 UA_{115}	16.0	X	352.80297	188.45716	54.18082	1.43205	0.1120146	0.17448697	3.1717142	21	4 29.6	19.8
246036 2006 UL_{137}	15.7	X	118.81913	210.93319	243.36560	12.12871	0.1396828	0.23050200	2.6344275	21	4 18.5	19.5
246037 2006 UB_{150}	15.8	X	225.93244	257.10033	117.17127	16.21071	0.1433146	0.17293323	3.1906837	21	5 7.7	21.1
246038 2006 UD_{150}	15.4	X	266.41370	254.86384	112.91343	16.68656	0.2437195	0.17996562	3.1070127	21	5 26.9	20.4
246039 2006 US_{175}	15.3	X	147.83417	206.85251	40.90521	15.95433	0.0993917	0.20642113	2.8355237	21	11 25.9	19.8
246040 2006 UN_{176}	15.9	X	278.65127	173.36745	166.30419	11.31481	0.1052964	0.17950815	3.1122892	21	5 21.5	20.5
246041 2006 UF_{187}	16.0	X	288.53788	358.07450	262.78204	13.56848	0.0616016	0.23374408	2.6100108	21	2 13.3	19.9
246042 2006 UD_{189}	15.5	X	254.59713	296.11861	5.61397	26.53972	0.2178112	0.17012562	3.2256921	21	3 6.8	21.0
246043 2006 UQ_{190}	15.5	X	256.18886	180.18416	282.78049	10.29535	0.0932652	0.19302952	2.9651971	21	9 22.3	20.0
246044 2006 UG_{193}	15.7	X	240.17342	328.22696	1.05166	9.08876	0.0702515	0.17439171	3.1728691	21	3 27.2	20.3
246045 2006 UU_{198}	15.9	X	208.72118	80.71259	292.53423	3.30765	0.2627219	0.23638686	2.5905212	21	4 6.3	20.5
246046 2006 US_{209}	16.1	X	205.89556	4.78034	23.24631	12.58826	0.1863931	0.23782293	2.5800823	21	4 23.1	20.4
246047 2006 UC_{221}	15.3	X	325.40738	263.10056	14.54416	15.67601	0.0532343	0.17476278	3.1683762	21	5 4.7	19.8
246048 2006 UT_{230}	15.8	X	260.08366	161.18992	217.18155	5.79886	0.1476177	0.18219244	3.0816441	21	6 9.4	20.4
246049 2006 UR_{231}	15.8	X	245.45508	234.31430	94.37007	6.22460	0.1725188	0.17288746	3.1912468	21	3 27.6	20.9
246050 2006 UM_{236}	15.8	X	262.67823	275.70797	51.47723	1.45493	0.1619410	0.17463045	3.1699767	21	4 9.3	20.6
246051 2006 UN_{237}	16.6	X	344.40535	167.17019	59.35788	5.76327	0.1739427	0.23543996	2.5974624	21	3 10.7	19.4
246052 2006 UB_{253}	14.8	X	129.77599	122.50470	214.21758	9.20656	0.1058577	0.14898859	3.5239849	21	—	—
246053 2006 UA_{338}	15.4	X	38.04229	46.30359	285.44379	8.68872	0.0937506	0.18636761	3.0354455	21	11 2.2	19.5
246054 2006 UX_{338}	15.7	X	290.65413	269.54797	78.91467	11.71491	0.1720891	0.17892353	3.1190649	21	6 4.9	20.1
246055 2006 VP_{6}	15.5	X	350.88692	268.47213	63.10340	7.35780	0.1878286	0.18841131	3.0134551	21	8 30.2	18.7
246056 2006 VM_{9}	15.9	X	294.23385	274.03146	62.23191	7.70320	0.1689503	0.17955496	3.1117482	21	5 24.9	20.2
246057 2006 VH_{25}	16.3	X	156.60389	247.79418	126.70566	2.19519	0.0811728	0.22460782	2.6803168	21	2 16.1	20.0
246058 2006 VT_{31}	15.6	X	234.56461	38.40893	281.71331	6.47102	0.1849703	0.23170345	2.6253128	21	2 23.5	20.1
246059 2006 VL_{48}	16.1	X	254.48721	244.74798	99.12249	13.59660	0.2118236	0.24175853	2.5520050	21	4 17.9	20.4
246060 2006 VY_{51}	16.9	X	158.23602	352.36865	309.89769	2.59231	0.1814211	0.21785375	2.7354326	21	—	—
246061 2006 VX_{52}	16.0	X	313.91004	103.40123	289.83510	5.91756	0.0867212	0.18925981	3.0044417	21	9 15.5	19.9
246062 2006 VV_{65}	16.1	X	329.52655	287.01093	237.58880	6.59128	0.1600193	0.21217659	2.7840118	21	—	—
246063 2006 VS_{73}	16.3	X	291.27030	294.33969	242.39154	4.07009	0.0293653	0.20926434	2.8097816	21	—	—
246064 2006 VL_{94}	15.5	X	255.38517	303.44410	54.53075	9.18837	0.2281165	0.17418411	3.1753896	21	5 3.2	20.6
246065 2006 VB_{99}	15.6	X	299.18530	258.40074	74.84151	9.24525	0.0705003	0.17810832	3.1285751	21	6 11.5	19.9
246066 2006 VK_{120}	16.3	X	146.48163	111.44606	264.06967	4.38912	0.0802090	0.22379095	2.6868352	21	2 4.1	20.2
246067 2006 VE_{129}	15.9	X	337.09729	100.22082	252.72408	11.85489	0.2389215	0.19013834	2.9951799	21	8 17.2	19.0
246068 2006 VM_{149}	16.6	X	209.76401	233.17596	118.32218	3.32348	0.2401376	0.23410313	2.6073414	21	3 15.6	21.2
246069 2006 VZ_{168}	16.1	X	300.62967	115.08585	283.85631	1.91441	0.0746222	0.18621899	3.0370603	21	9 6.7	20.0
246070 2006 WD_{42}	16.0	X	188.75067	78.55755	204.96516	7.19262	0.0172236	0.21276290	2.7788948	21	—	—
246071 2006 WH_{44}	15.5	X	242.36508	271.19487	79.17801	17.47917	0.2258642	0.17139681	3.2097231	21	4 20.3	21.0
246072 2006 WJ_{57}	15.5	X	319.36459	283.42369	4.64058	4.33544	0.0913824	0.17628078	3.1501610	21	5 8.2	19.6
246073 2006 WC_{62}	15.1	X	265.62815	204.54239	147.48476	16.29349	0.1848695	0.17694628	3.1422574	21	5 14.1	20.2
246074 2006 WA_{107}	16.2	X	189.89996	186.78226	139.21675	6.06937	0.0595068	0.22220702	2.6995883	21	1 22.1	20.1
246075 2006 WK_{120}	16.0	X	18.60771	29.71352	73.53934	9.82650	0.0345272	0.21320483	2.7750535	21	—	—
246076 2006 WB_{150}	16.8	X	6.31688	230.51491	257.83330	2.79364	0.0187900	0.21310627	2.7759091	21	—	—
246077 2006 WO_{198}	17.0	X	264.13376	174.62724	48.60870	3.00310	0.0672127	0.27894774	2.3198192	21	—	—
246078 2006 WS_{198}	14.9	X	199.93786	57.41062	312.29868	14.01016	0.1568058	0.23456217	2.6039386	21	3 20.9	19.4
246079 2006 XD_{4}	15.8	X	118.62740	6.83153	43.14797	12.52641	0.1778444	0.22214298	2.7001071	21	3 7.9	19.8
246080 2006 XC_{5}	16.0	X	173.86745	197.66995	167.18877	15.39063	0.3143669	0.22817641	2.6522974	21	3 6.7	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
246081 2006 XN_5	15.5	X	203.86100	54.13944	307.98774	12.28805	0.2146971	0.23304207	2.6152497	21	3 16.7	20.3
246082 2006 XT_{16}	15.2	X	98.71181	204.70751	91.78354	12.12393	0.0812880	0.19126672	2.9833883	21	12 4.5	19.6
246083 2006 XQ_{17}	16.0	X	147.68666	129.74676	295.70496	12.38889	0.2869048	0.22748421	2.6576750	21	4 21.9	20.9
246084 2006 XX_{34}	16.4	X	87.95405	67.91979	327.74065	3.53185	0.0789309	0.21088273	2.7953877	21	—	—
246085 2006 XM_{51}	15.9	X	170.37378	228.60830	89.43102	6.70350	0.0767406	0.21272145	2.7792558	21	—	—
246086 2006 YQ_{33}	15.2	X	79.28077	157.09632	84.88972	10.44323	0.1200753	0.17294546	3.1905333	21	9 14.5	19.9
246087 2007 AL_3	15.7	X	247.77834	101.76431	312.37305	5.74039	0.1273793	0.17484483	3.1673849	21	7 13.5	20.5
246088 2007 AW_8	15.7	X	285.03127	332.81444	98.90159	11.56136	0.0199863	0.18151729	3.0892808	21	10 10.9	20.2
246089 2007 AA_{12}	14.5	X	169.27755	241.33074	313.85596	25.30110	0.1915675	0.17866120	3.1221173	21	9 28.9	20.2
246090 2007 AN_{25}	15.0	X	220.05711	216.76953	300.06461	16.08879	0.0356668	0.18332164	3.0689765	21	10 20.3	19.8
246091 2007 AW_{25}	15.4	X	238.93216	321.83810	145.23749	11.66455	0.0283112	0.17813986	3.1282058	21	9 22.3	19.9
246092 2007 BS_1	15.1	X	320.21807	269.25074	120.86243	22.58009	0.0516917	0.17928764	3.1148406	21	10 4.6	19.7
246093 2007 BR_{39}	15.2	X	81.33578	146.00753	118.04879	16.84138	0.1205029	0.17691127	3.1426720	21	10 16.6	20.1
246094 2007 CS_{44}	15.1	X	6.45515	64.60225	309.99927	16.67330	0.0900147	0.18502904	3.0500675	21	11 7.8	19.4
246095 2007 DQ_{102}	17.3	X	180.00027	9.06055	0.79445	17.87571	0.0805109	0.35015152	1.9935725	21	2 23.5	19.8
246096 2007 EL_{25}	15.8	X	302.40690	127.46944	197.07376	7.08230	0.2299410	0.21580316	2.7527336	21	5 9.9	19.3
246097 2007 EN_{63}	17.0	X	263.75384	216.10971	6.27945	4.98290	0.0632727	0.26554076	2.3972606	21	—	—
246098 2007 EA_{82}	15.6	X	246.23780	102.23022	0.83993	17.93213	0.0288306	0.24036471	2.5618611	21	9 28.8	19.0
246099 2007 EL_{96}	17.9	X	80.68605	46.90666	170.95740	2.91569	0.0536327	0.29505880	2.2345856	21	8 6.2	20.3
246100 2007 EV_{136}	17.5	X	239.31098	229.99638	188.66805	22.33572	0.0593048	0.36808702	1.9282754	21	7 16.3	20.2
246101 2007 ED_{145}	17.7	X	307.18223	187.61208	144.15454	4.70796	0.1831128	0.29377086	2.2411120	21	5 30.3	20.0
246102 2007 EY_{156}	17.4	X	108.51802	72.18248	141.63833	4.51729	0.1052074	0.29954696	2.2122088	21	9 16.7	20.2
246103 2007 ER_{160}	15.5	X	172.38485	141.33315	17.57542	30.69210	0.0410386	0.23424851	2.6062625	21	9 21.7	19.5
246104 2007 EB_{163}	15.5	X	351.48626	140.07018	189.78623	2.89432	0.0613688	0.16948776	3.2337802	21	8 21.9	19.8
246105 2007 EE_{173}	18.2	X	86.06176	249.45893	330.15705	0.82716	0.0592347	0.29759700	2.2218617	21	8 18.6	20.7
246106 2007 EE_{188}	17.3	X	233.02259	177.66592	179.28678	22.05441	0.0730992	0.35447841	1.9773165	21	4 6.8	19.6
246107 2007 FM_{24}	17.1	X	153.05777	341.15079	141.92063	23.11915	0.0741650	0.36426079	1.9417550	21	7 1.8	19.8
246108 2007 FT_{27}	13.3	X	251.30332	175.48701	174.68276	14.40476	0.1027474	0.08290247	5.2090405	21	5 9.6	20.5
246109 2007 FE_{31}	17.6	X	334.86933	132.49623	188.31324	4.38683	0.0919620	0.29399990	2.2399480	21	7 16.7	19.6
246110 2007 FP_{41}	16.4	X	260.81581	73.03001	4.46022	8.31707	0.0584623	0.23741611	2.5830289	21	9 11.9	19.8
246111 2007 FC_{50}	16.5	X	129.64500	337.73078	216.86189	12.18248	0.1638709	0.23226618	2.6210707	21	9 8.1	20.9
246112 2007 GJ_{54}	15.9	X	310.84910	189.28417	119.84141	6.05983	0.0868400	0.21586411	2.7522154	21	5 24.5	19.5
246113 2007 GY_{69}	13.5	X	344.71199	93.78658	182.05055	4.95980	0.0887277	0.08092615	5.2935066	21	6 5.9	20.0
246114 2007 GR_{70}	13.2	X	350.57831	109.34221	183.03211	8.98309	0.0762356	0.08450567	5.1429484	21	7 2.5	19.8
246115 2007 HC_7	17.3	X	50.78576	206.21614	16.80627	4.80857	0.1256194	0.28888525	2.2663091	21	7 11.2	19.6
246116 2007 HS_{44}	16.1	X	218.21063	223.40326	204.06276	11.76979	0.1119252	0.22490921	2.6779218	21	6 28.1	20.4
246117 2007 HD_{50}	17.0	X	299.50831	189.52386	78.79702	7.43102	0.0652050	0.27387232	2.3483922	21	3 13.1	20.0
246118 2007 HB_{88}	16.1	X	88.43800	233.69604	26.30342	11.09053	0.1603957	0.22980610	2.6397432	21	10 22.2	20.1
246119 2007 JC_1	17.4	X	192.08088	276.88268	175.86992	6.41999	0.0295479	0.29306191	2.2447249	21	7 6.0	20.2
246120 2007 JJ_3	15.1	X	150.42801	239.96126	44.51095	17.61275	0.1098221	0.17912287	3.1167503	21	—	—
246121 2007 JD_{11}	16.4	X	101.99382	315.83247	14.00762	1.31622	0.1998042	0.24337545	2.5406892	21	—	—
246122 2007 JV_{12}	15.0	X	114.25496	235.36092	126.25954	11.75203	0.1280157	0.18232316	3.0801710	21	—	—
246123 2007 JF_{13}	17.4	X	101.95932	167.44294	66.10541	6.42584	0.1846158	0.29800872	2.2198148	21	10 14.8	20.7
246124 2007 JW_{22}	17.5	X	27.55660	281.05344	305.05037	1.67282	0.1606771	0.28278139	2.2988052	21	6 1.7	19.2
246125 2007 JO_{42}	16.8	X	35.40304	142.87793	124.21933	24.11129	0.0683395	0.35964282	1.9583416	21	8 20.1	18.5
246126 2007 KY_3	17.0	X	105.20741	1.03856	197.82305	24.71150	0.1762779	0.29404385	2.2397248	21	8 23.7	20.7
246127 2007 LF_{16}	15.2	X	113.15635	111.75881	187.86746	13.12016	0.0308184	0.17184438	3.2041475	21	12 15.3	20.1
246128 2007 LY_{18}	14.8	X	101.11039	242.34952	81.74845	14.35148	0.2454779	0.16823759	3.2497805	21	—	—
246129 2007 LT_{25}	15.9	X	280.09895	164.69828	173.82669	7.90825	0.0652642	0.20282601	2.8689322	21	5 25.4	20.0
246130 2007 LK_{29}	17.0	X	63.98036	255.50012	245.59289	4.35034	0.0726069	0.26441836	2.4040397	21	3 21.5	19.7
246131 2007 LV_{33}	14.9	X	244.50287	5.35889	208.96333	27.28751	0.0890304	0.18107165	3.0943474	21	—	—
246132 Lugyny	16.7	X	0.70834	116.54186	221.26962	8.44471	0.2522726	0.28676390	2.2774721	21	10 23.9	18.0
246133 2007 NS_1	16.4	X	59.08825	77.90563	279.02722	13.59334	0.1912936	0.22926805	2.6438716	21	—	—
246134 2007 NA_4	17.4	X	197.43437	134.76537	57.18693	6.99732	0.0888877	0.30290476	2.1958297	21	11 26.9	20.1
246135 2007 NB_6	15.7	X	111.55436	319.15812	33.69380	15.51035	0.1270602	0.24276825	2.5449238	21	—	—
246136 2007 NM_6	16.1	X	167.96609	230.04948	66.58171	15.65930	0.1207955	0.24378408	2.5378493	21	—	—
246137 2007 OC	17.5	X	27.38367	101.86962	239.04612	4.97238	0.2111511	0.29265970	2.2467811	21	12 11.5	20.1
246138 2007 OG_3	17.9	X	133.85599	272.01115	78.32634	1.69261	0.4815253	0.30935350	2.1652067	21	1 25.8	21.2
246139 2007 OF_8	17.0	X	51.65865	254.14846	89.44181	5.55414	0.2276504	0.29563709	2.2316707	21	—	—
246140 2007 PM	15.8	X	181.15344	233.09345	144.21659	15.49486	0.1991724	0.25768602	2.4457317	21	3 23.4	19.9
246141 2007 PV	15.2	X	178.32466	337.53548	313.81619	10.45473	0.2358629	0.17408649	3.1765766	21	—	—
246142 2007 PC_3	15.4	X	101.65635	292.75166	94.04180	15.57215	0.2718014	0.24260665	2.5460538	21	1 19.9	18.4
246143 2007 PF_5	17.1	X	249.87156	29.61496	293.68448	2.28043	0.2010898	0.26237494	2.4165057	21	3 10.3	20.9
246144 2007 PA_6	17.6	X	35.52836	253.88658	60.06826	1.49832	0.2498554	0.28962569	2.2624448	21	11 20.9	20.3
246145 2007 PE_9	13.2	X	348.61320	246.71793	172.03899	7.78145	0.0942412	0.08465565	5.1368722	21	11 23.2	19.6
246146 2007 PQ_{10}	17.0	X	212.90040	190.62461	165.58989	5.14929	0.1295131	0.25945142	2.4346246	21	3 21.8	20.7
246147 2007 PM_{16}	12.9	X	20.99585	29.58813	344.33287	18.02813	0.0785230	0.08278018	5.2141695	21	11 6.4	19.7
246148 2007 PC_{24}	17.1	X	319.47375	66.11178	232.61939	2.64099	0.2232138	0.27195999	2.3593880	21	4 23.5	19.7
246149 2007 PE_{24}	16.8	X	298.02644	44.45086	289.21837	3.19026	0.2622241	0.27207428	2.3587272	21	5 4.7	19.9
246150 2007 PF_{24}	15.7	X	343.42987	67.33867	299.30186	6.45519	0.2394928	0.21353477	2.7721942	21	9 30.8	18.2
246151 2007 PW_{24}	17.3	X	358.98506	46.48932	263.85377	5.11417	0.1818233	0.28114984	2.3076901	21	8 18.4	19.0
246152 2007 PX_{25}	17.4	X	16.25646	179.33604	115.47423	6.13977	0.1720035	0.28251789	2.3002343	21	9 6.9	19.3
246153 Waltermaria	17.0	X	227.82235	3.82454	309.93991	1.85065	0.1741027	0.25476478	2.4643920	21	2 10.3	21.0
246154 2007 PB_{31}	16.6	X	84.72477	357.79527	272.34902	5.93642	0.1527626	0.29375926	2.2411711	21	11 6.1	19.8
246155 2007 PR_{33}	16.9	X	289.19075	77.11204	249.56941	4.43566	0.1267889	0.26970598	2.3725152	21	5 5.0	20.0
246156 2007 PF_{35}	17.3	X	64.65481	192.83372	150.90368	5.40923	0.2130372	0.29754209	2.2221350	21	—	—
246157 2007 PT_{35}	16.8	X	28.16396	271.95687	64.72780	3.74949	0.1701827	0.28959901	2.2625838	21	11 29.2	19.3
246158 2007 PC_{37}	16.9	X	256.77127	112.44738	227.17512	4.33589	0.1695250	0.26548612	2.3975895	21	4 8.6	20.4
246159 2007 PY_{39}	17.3	X	33.78681	144.69963	155.85988	5.14217	0.1909085	0.28754772	2.2733315	21	10 22.2	19.7
246160 2007 PE_{40}	16.7	X	234.56246	190.62435	159.78369	7.07708	0.1591379	0.26086291	2.4258345	21	4 4.5	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
246161 2007 PQ_{45}	15.9	X	100.84997	281.97867	83.32085	15.77042	0.1090404	0.23847895	2.5753486	21	—	—
246162 2007 QR	15.8	X	250.62182	351.41037	0.70787	11.59992	0.3106401	0.26446028	2.4037857	21	4 7.1	20.0
246163 2007 QV_{2}	16.6	X	233.88612	10.60486	11.83832	6.03378	0.2031330	0.26490086	2.4011196	21	5 8.5	20.4
246164 Zdvyzhensk	16.3	X	328.71999	332.79890	288.89834	5.67240	0.0828443	0.26615432	2.3935750	21	4 5.6	19.3
246165 2007 QT_{11}	17.8	X	80.58688	328.22110	272.54395	1.03142	0.1855599	0.28449194	2.2895813	21	9 27.1	20.8
246166 2007 RQ_{5}	15.6	X	111.30699	315.92432	16.70379	13.52486	0.1864348	0.22990435	2.6389911	21	—	—
246167 Joskohn	15.9	X	121.49711	40.58245	271.83715	10.87552	0.1938489	0.23044186	2.6348859	21	—	—
246168 2007 RE_{13}	16.7	X	251.56709	290.22948	74.49997	3.27493	0.1436399	0.26570855	2.3962513	21	5 10.2	20.1
246169 2007 RQ_{13}	17.1	X	40.92247	3.40954	329.19211	1.81290	0.2298461	0.29059395	2.2574164	21	12 19.8	20.0
246170 2007 RY_{13}	16.2	X	3.82577	73.05812	266.66724	6.54445	0.2396036	0.21339229	2.7734280	21	10 11.0	18.9
246171 Konrad	15.9	X	231.48833	173.35997	190.41231	12.22986	0.2645585	0.26276458	2.4141162	21	4 12.5	20.1
246172 2007 RL_{16}	16.9	X	290.49285	304.78184	31.67831	6.56311	0.2593212	0.26823953	2.3811543	21	4 30.5	20.1
246173 2007 RN_{17}	16.7	X	139.54803	345.07448	310.14435	6.39663	0.0734740	0.30226380	2.1989328	21	—	—
246174 2007 RF_{23}	15.3	X	131.92050	221.96301	184.85354	19.22215	0.0963035	0.17922373	3.1155810	21	3 6.1	20.1
246175 2007 RT_{27}	16.1	X	197.80198	312.12666	51.21833	6.45499	0.2397156	0.25600398	2.4564329	21	3 20.5	20.4
246176 2007 RV_{32}	16.2	X	233.76250	346.72365	18.18354	10.06050	0.2863563	0.26183896	2.4198022	21	4 13.3	20.5
246177 2007 RN_{33}	17.0	X	20.51176	216.78825	97.68657	3.82890	0.1797471	0.28334540	2.2957536	21	10 17.8	19.1
246178 2007 RD_{38}	14.4	X	262.13552	226.26096	156.04007	9.14966	0.1823231	0.12541833	3.9527139	21	6 14.3	20.4
246179 2007 RL_{38}	17.2	X	258.42899	261.42528	113.37081	2.48251	0.1926777	0.26786634	2.3833653	21	5 25.7	20.8
246180 2007 RC_{45}	16.9	X	72.58692	79.99920	206.30085	6.50465	0.1328699	0.28893714	2.2660377	21	11 13.2	19.8
246181 2007 RP_{47}	17.2	X	101.39396	34.27883	184.40977	2.55184	0.0819769	0.27703931	2.3304607	21	9 8.4	20.2
246182 2007 RS_{48}	17.3	X	107.96537	302.69293	7.87606	5.18219	0.1949302	0.29944203	2.2127255	21	—	—
246183 2007 RC_{57}	16.4	X	292.73580	11.10846	313.82325	4.09792	0.2191771	0.26760398	2.3849229	21	4 21.9	19.7
246184 2007 RA_{58}	15.4	X	150.94366	41.20874	26.10786	27.43108	0.1608373	0.17994463	3.1072543	21	4 23.4	20.5
246185 2007 RH_{58}	15.2	X	239.18587	317.90335	62.86520	17.56574	0.1168354	0.18526559	3.0474707	21	5 23.9	19.9
246186 2007 RN_{58}	15.8	X	192.89709	197.27894	208.54743	10.00705	0.0558920	0.18812724	3.0164879	21	5 9.2	20.2
246187 2007 RO_{58}	15.6	X	162.91354	298.13243	349.02883	12.67470	0.1492261	0.23384724	2.6092431	21	—	—
246188 2007 RY_{68}	16.1	X	256.90416	9.42553	140.98940	5.75026	0.0316087	0.22460253	2.6803589	21	12 12.6	19.6
246189 2007 RE_{69}	16.5	X	215.10802	27.42040	27.73560	3.47109	0.0764369	0.19702770	2.9249461	21	6 12.5	20.9
246190 2007 RT_{82}	17.8	X	0.20200	188.97220	120.56261	0.39032	0.2106004	0.28027397	2.3124954	21	8 25.8	18.9
246191 2007 RY_{83}	15.8	X	158.33622	330.42009	89.22052	2.95613	0.1019385	0.18402385	3.0611643	21	4 21.5	20.5
246192 2007 RH_{88}	15.8	X	320.41592	333.54806	357.27634	7.59568	0.0817816	0.20142078	2.8822603	21	7 9.0	19.5
246193 2007 RD_{99}	16.7	X	69.07637	39.42981	327.22242	6.04613	0.0791108	0.23181482	2.6244718	21	—	—
246194 2007 RG_{102}	16.8	X	337.02307	15.84426	251.58408	4.68077	0.1775638	0.26776121	2.3839891	21	4 14.8	19.3
246195 2007 RD_{106}	16.6	X	264.33423	290.68220	20.97954	7.60455	0.1239256	0.25822777	2.4423098	21	3 19.6	20.0
246196 2007 RR_{109}	16.8	X	292.24202	117.02985	192.35069	4.98221	0.0851057	0.26327308	2.4110067	21	4 23.6	19.8
246197 2007 RY_{116}	15.8	X	178.11737	47.90099	347.22173	11.63498	0.1100047	0.18369072	3.0648642	21	4 7.1	20.7
246198 2007 RW_{128}	16.8	X	196.18988	178.35729	18.39560	10.09639	0.1600272	0.21923029	2.7239702	21	11 10.5	21.3
246199 2007 RM_{129}	17.3	X	287.21354	199.37527	151.69282	2.45130	0.2143278	0.26953889	2.3734956	21	5 24.4	20.4
246200 2007 RN_{132}	16.2	X	323.71427	236.85587	101.31979	3.14233	0.0790702	0.20201903	2.8765673	21	7 23.4	19.8
246201 2007 RH_{135}	15.8	X	39.64767	299.62446	32.33687	12.48911	0.1697990	0.21634810	2.7481093	21	11 21.6	19.5
246202 2007 RC_{136}	17.8	X	234.11960	88.26833	132.31285	2.19722	0.0630114	0.30719706	2.1753277	21	—	—
246203 2007 RO_{139}	15.9	X	228.31075	39.42037	324.93804	22.79084	0.2210495	0.26442652	2.4039903	21	3 29.6	20.4
246204 2007 RA_{142}	16.9	X	325.08066	172.02415	165.37633	4.19821	0.2261268	0.27472462	2.3435326	21	7 5.7	18.6
246205 2007 RY_{142}	16.6	X	230.32814	135.26964	212.37505	5.87209	0.1252994	0.26032678	2.4291639	21	3 26.4	20.4
246206 2007 RV_{143}	17.8	X	73.92872	114.73272	210.11463	5.96283	0.1612340	0.29630961	2.2282927	21	—	—
246207 2007 RS_{144}	16.6	X	34.47446	44.64660	322.57293	4.57727	0.0760488	0.22335859	2.6903014	21	12 19.7	20.2
246208 2007 RW_{144}	16.0	X	43.56760	164.42085	205.25408	5.85541	0.0531358	0.22523424	2.6753449	21	12 30.9	19.7
246209 2007 RZ_{149}	15.2	X	293.61696	347.33076	277.07513	9.10712	0.0299755	0.18258716	3.0772012	21	3 9.9	19.7
246210 2007 RF_{150}	15.3	X	303.43380	55.58730	274.90963	9.95980	0.1141221	0.19638245	2.9313495	21	6 6.8	19.1
246211 2007 RE_{153}	15.4	X	199.32801	339.01180	335.62786	14.96286	0.0646490	0.17652237	3.1472861	21	1 30.2	20.2
246212 2007 RR_{164}	15.8	X	244.31445	106.03918	311.55777	4.76403	0.0685074	0.20310211	2.8663315	21	7 21.3	19.9
246213 2007 RP_{165}	16.5	X	344.23892	223.07311	191.48520	5.15340	0.0580323	0.22262833	2.6961813	21	12 8.6	19.9
246214 2007 RE_{167}	15.8	X	94.51803	127.46390	358.27121	12.46451	0.1618125	0.18549325	3.0449767	21	5 4.2	20.3
246215 2007 RC_{169}	16.8	X	350.30546	307.78465	109.39707	2.99424	0.0800102	0.22326654	2.6910408	21	12 22.2	19.8
246216 2007 RL_{173}	17.2	X	284.49911	220.86346	76.14890	3.28877	0.2026225	0.26125990	2.4233764	21	3 13.3	20.7
246217 2007 RX_{175}	16.1	X	1.34302	164.94408	190.66214	9.69719	0.1414953	0.21083312	2.7958261	21	10 22.3	19.2
246218 2007 RE_{176}	16.2	X	322.61033	42.63029	3.71922	4.87375	0.0230083	0.21414468	2.7669280	21	10 24.8	19.8
246219 2007 RF_{179}	15.7	X	121.45188	243.94244	208.80576	10.01996	0.0605017	0.17628637	3.1500943	21	4 16.6	20.0
246220 2007 RK_{186}	17.4	X	1.21956	120.67071	194.59067	3.62588	0.1834746	0.27837443	2.3230033	21	9 3.4	18.9
246221 2007 RR_{194}	17.7	X	322.22862	247.67710	44.56834	2.04259	0.1836335	0.26787565	2.3833101	21	4 26.7	19.9
246222 2007 RL_{203}	16.7	X	86.22069	133.62908	191.92483	1.69284	0.0892272	0.22443433	2.6816979	21	12 31.4	20.7
246223 2007 RX_{204}	15.6	X	117.94939	171.53779	208.00245	11.24801	0.0963556	0.16816302	3.2507411	21	1 18.1	20.4
246224 2007 RU_{208}	16.9	X	269.56831	255.95806	28.16587	5.03667	0.1851222	0.25637247	2.4540786	21	2 13.0	20.8
246225 2007 RX_{209}	17.3	X	347.23836	262.17190	47.93605	4.64197	0.1394784	0.27504315	2.3417228	21	7 23.9	19.3
246226 2007 RH_{212}	17.1	X	5.39415	347.92994	261.36411	2.56719	0.0951131	0.26587657	2.3952417	21	5 22.9	19.5
246227 2007 RJ_{217}	17.0	X	299.77356	143.38698	158.12402	5.13884	0.2404478	0.26579332	2.3957418	21	3 30.3	20.1
246228 2007 RK_{232}	16.7	X	359.54882	193.80348	97.03596	3.24384	0.1130261	0.27493217	2.3423530	21	7 17.4	18.6
246229 2007 RQ_{232}	16.2	X	302.05264	3.52319	36.74909	4.80018	0.0685554	0.20974780	2.8054623	21	9 16.6	19.7
246230 2007 RU_{239}	16.7	X	243.63220	291.29831	79.28802	7.42439	0.1259540	0.26439736	2.4041670	21	5 12.1	20.2
246231 2007 RC_{241}	15.8	X	102.70027	22.15187	296.42253	16.51885	0.0887055	0.22928404	2.6437487	21	—	—
246232 2007 RN_{241}	17.2	X	145.05542	78.95395	234.38494	4.84015	0.2299552	0.30765718	2.1731582	21	—	—
246233 2007 RW_{250}	17.2	X	335.12384	341.96318	246.14933	5.23211	0.1839580	0.25641149	2.4538295	21	2 13.6	20.2
246234 2007 RT_{254}	16.1	X	131.93947	105.53779	177.95537	21.45892	0.0390755	0.22871824	2.6481069	21	12 27.7	20.4
246235 2007 RK_{256}	16.5	X	340.42517	238.15848	84.25612	8.96965	0.0732262	0.27740330	2.3284217	21	8 2.8	19.0
246236 2007 RV_{260}	16.5	X	357.30978	282.04455	121.02761	4.25129	0.0931574	0.21955413	2.7212909	21	12 14.9	19.7
246237 2007 RB_{274}	15.7	X	34.54523	325.80467	203.48737	10.58913	0.0206367	0.18068552	3.0987543	21	3 25.9	20.1
246238 Crampton	15.3	X	121.12612	308.23169	118.56675	13.98246	0.0479923	0.17550787	3.1594027	21	3 19.3	20.0
246239 2007 RF_{278}	16.5	X	74.27785	252.90757	118.85709	10.75609	0.2090639	0.23018237	2.6368657	21	—	—
246240 2007 RY_{286}	15.8	X	166.28383	335.16126	80.80037	5.33492	0.1315165	0.18488573	3.0516435	21	4 27.1	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
246241 2007 RQ_{301}	16.4	X	7.83617	195.56966	172.52783	14.09576	0.0998456	0.21394908	2.7686142	21	11 17.2	20.0
246242 2007 RW_{309}	16.0	X	153.21978	282.63497	165.78076	7.85350	0.1238621	0.18622221	3.0370253	21	5 23.5	20.8
246243 2007 RH_{323}	15.7	X	172.79235	34.24683	235.79132	10.64736	0.1044894	0.22145803	2.7056717	21	—	—
246244 2007 SV_5	17.6	X	346.84473	239.86981	164.19069	2.48679	0.1534143	0.28941227	2.2635569	21	12 25.3	19.5
246245 2007 SX_5	17.0	X	335.72893	81.34485	242.65697	1.63650	0.2129920	0.27548025	2.3392451	21	7 11.5	18.6
246246 2007 SD_7	17.1	X	308.42906	52.47242	148.45537	3.06230	0.0366847	0.24192109	2.5508616	21	—	—
246247 Sheldoncooper	15.8	X	338.36502	178.44036	197.73662	7.42261	0.0677763	0.20875373	2.8143615	21	10 7.0	19.2
246248 2007 TX	15.2	X	155.76145	78.44901	14.17918	9.71414	0.0657461	0.18480747	3.0525049	21	5 23.6	19.9
246249 2007 TV_3	15.7	X	204.51856	327.45618	91.07056	11.60083	0.1082686	0.19079580	2.9882953	21	6 5.3	20.3
246250 2007 TN_4	17.0	X	276.91155	284.73747	43.20594	6.88664	0.1495152	0.26215922	2.4178311	21	4 19.9	20.2
246251 2007 TU_6	14.8	X	114.15483	222.62057	214.64820	26.98628	0.2060019	0.17325291	3.1867575	21	4 6.3	19.7
246252 2007 TY_6	15.5	X	204.43428	111.06110	267.18464	4.95234	0.1006284	0.18304317	3.0720883	21	4 14.5	20.4
246253 2007 TF_7	17.0	X	87.41165	72.27253	273.76833	2.74188	0.1628315	0.29866353	2.2165690	21	—	—
246254 2007 TV_7	15.5	X	310.98041	99.92072	190.58321	8.49528	0.0208466	0.17853245	3.1236182	21	5 11.6	19.9
246255 2007 TR_{12}	17.5	X	319.47246	301.71426	108.21275	1.51625	0.2124242	0.28162531	2.3050920	21	11 2.6	18.6
246256 2007 TQ_{13}	15.5	X	150.58046	17.40273	39.30032	18.60573	0.2375153	0.17595827	3.1540089	21	4 20.9	20.8
246257 2007 TS_{13}	15.8	X	85.31661	118.07459	241.23627	11.85430	0.2840121	0.22574619	2.6712985	21	—	—
246258 2007 TU_{14}	17.0	X	338.97266	301.09693	31.40615	2.68971	0.2274840	0.27471532	2.3435855	21	8 6.0	18.2
246259 2007 TC_{15}	16.9	X	164.94828	118.35892	204.67050	10.71274	0.2569879	0.24002752	2.5642598	21	1 4.6	21.3
246260 2007 TV_{16}	16.3	X	149.24363	70.96242	228.44989	11.86220	0.2616719	0.23078261	2.6322916	21	—	—
246261 2007 TW_{16}	16.2	X	74.07400	21.38804	358.16177	3.42537	0.2247046	0.22742257	2.6581552	21	—	—
246262 2007 TJ_{17}	18.1	X	100.25666	321.84515	17.45001	2.47384	0.2402775	0.30062267	2.2069283	21	—	—
246263 2007 TV_{17}	17.1	X	109.40328	350.82189	324.95208	4.94186	0.1963887	0.29857520	2.2170061	21	—	—
246264 2007 TR_{25}	16.4	X	178.58517	120.74047	203.59898	12.56834	0.0737853	0.24040738	2.5615579	21	1 3.7	20.3
246265 2007 TY_{25}	16.5	X	14.17135	235.60789	201.14973	11.24144	0.0474097	0.22844303	2.6502333	21	—	—
246266 2007 TW_{26}	15.6	X	59.64379	104.27546	20.90955	9.39766	0.0623783	0.17446093	3.1720298	21	3 12.9	19.8
246267 2007 TN_{29}	16.7	X	39.24750	99.43025	212.39611	3.69128	0.0566214	0.20885382	2.8134623	21	10 10.2	20.4
246268 2007 TD_{30}	16.2	X	168.93107	48.63925	33.57247	4.37436	0.0499853	0.18663590	3.0325357	21	5 26.3	20.6
246269 2007 TF_{32}	16.5	X	50.57349	269.31316	353.42094	7.16375	0.1913208	0.21063547	2.7975748	21	9 12.7	20.1
246270 2007 TR_{34}	15.4	X	210.17949	153.11817	211.88012	21.63786	0.0558734	0.18002099	3.1063754	21	4 6.2	20.0
246271 2007 TJ_{40}	17.2	X	9.13936	177.17424	161.88633	2.79154	0.2199913	0.28205388	2.3027564	21	11 8.6	19.1
246272 2007 TO_{41}	17.1	X	298.84776	0.10509	203.38527	4.57021	0.0773497	0.30714322	2.1755818	21	—	—
246273 2007 TW_{44}	15.5	X	40.91187	127.88775	34.74346	10.64659	0.0545353	0.17873963	3.1212039	21	4 1.5	19.6
246274 2007 TY_{45}	15.2	X	137.28961	248.54933	205.82016	15.68487	0.2322124	0.17812638	3.1283636	21	5 23.1	20.5
246275 2007 TS_{46}	16.1	X	145.11592	228.88239	218.25195	10.61710	0.0569212	0.18387935	3.0627678	21	5 6.7	20.4
246276 2007 TQ_{47}	16.4	X	316.87106	133.10031	275.49180	2.45385	0.0907192	0.21045741	2.7991526	21	10 15.2	19.7
246277 2007 TG_{54}	16.2	X	245.47758	211.09443	158.95438	1.68897	0.1552770	0.18966516	3.0001594	21	5 13.8	20.9
246278 2007 TT_{54}	15.9	X	185.91498	213.16298	205.63112	12.30537	0.1084084	0.18482454	3.0523170	21	5 18.4	20.7
246279 2007 TE_{55}	16.1	X	294.60418	309.36447	26.59523	10.41905	0.0883794	0.19215062	2.9742321	21	6 3.9	20.3
246280 2007 TU_{64}	16.0	X	126.57580	257.24749	190.77392	4.68131	0.1313774	0.17630235	3.1499040	21	4 25.9	20.8
246281 2007 TC_{65}	16.3	X	197.23330	9.37173	184.74677	2.88765	0.0349561	0.21325637	2.7746063	21	11 21.1	20.3
246282 2007 TH_{65}	15.9	X	95.41123	184.11941	207.74096	12.16025	0.1059463	0.23321715	2.6139407	21	—	—
246283 2007 TF_{66}	17.2	X	299.93616	347.80813	301.00397	2.27940	0.1704899	0.26228612	2.4170511	21	3 21.6	20.4
246284 2007 TD_{67}	16.3	X	101.49716	61.64200	198.67248	4.04004	0.0636970	0.21292635	2.7774726	21	10 25.2	20.1
246285 2007 TK_{67}	15.9	X	237.70001	252.75284	179.41317	9.94670	0.0788238	0.19838613	2.9115786	21	7 28.5	20.3
246286 2007 TS_{67}	15.5	X	34.32188	75.24414	182.27164	10.84494	0.0653856	0.19730056	2.9222487	21	7 21.2	19.5
246287 2007 TX_{70}	15.8	X	141.60167	329.34991	104.29114	2.72362	0.2016712	0.17911563	3.1168344	21	4 29.8	20.8
246288 2007 TS_{72}	17.2	X	140.82934	251.05668	54.58948	4.68210	0.2118878	0.30389779	2.1910436	21	—	—
246289 2007 TC_{73}	16.5	X	167.42146	174.34381	16.88317	7.23526	0.0819986	0.21107366	2.7937016	21	10 11.6	20.8
246290 2007 TH_{76}	16.0	X	128.51194	303.66092	154.28795	9.62754	0.1309414	0.18756327	3.0225316	21	5 11.5	20.7
246291 2007 TQ_{76}	17.9	X	358.77165	278.62466	140.57708	2.47694	0.1401626	0.29644998	2.2275892	21	—	—
246292 2007 TW_{77}	16.3	X	320.56638	164.23746	239.49044	4.92776	0.0286422	0.20958988	2.8068714	21	10 17.7	20.0
246293 2007 TH_{79}	17.3	X	160.14040	156.06604	293.69020	1.36343	0.1490434	0.25635446	2.4541935	21	5 28.8	21.0
246294 2007 TN_{81}	16.5	X	28.82149	207.36106	165.75590	5.36930	0.1658347	0.21834274	2.7313470	21	12 31.4	20.1
246295 2007 TF_{82}	16.8	X	256.67232	356.60319	161.90051	13.40778	0.0995644	0.22767142	2.6562179	21	12 14.3	20.5
246296 2007 TR_{89}	15.8	X	113.03976	21.47200	57.07735	10.96222	0.0963783	0.17303956	3.1893765	21	3 30.7	20.5
246297 2007 TU_{101}	16.3	X	8.04546	182.44889	176.68926	5.29625	0.0808294	0.21309380	2.7760173	21	11 1.9	19.8
246298 2007 TE_{102}	16.9	X	85.35289	178.63344	167.93605	5.26227	0.1983678	0.29811378	2.2192932	21	—	—
246299 2007 TF_{104}	16.4	X	94.50672	86.95725	80.74888	2.46737	0.1257709	0.18462750	3.0544882	21	6 26.5	20.6
246300 2007 TN_{104}	16.4	X	117.65586	330.14121	149.51654	1.65252	0.1242535	0.17969598	3.1101200	21	5 23.9	21.0
246301 2007 TF_{116}	15.8	X	154.71811	323.56893	140.86917	3.62219	0.1344919	0.18465410	3.0541949	21	6 12.9	20.7
246302 2007 TW_{125}	16.5	X	110.94559	54.76482	192.26871	1.25108	0.1046094	0.20961972	2.8066050	21	10 22.4	20.8
246303 2007 TB_{129}	17.7	X	270.82283	292.44268	25.26672	1.08820	0.1748662	0.25720766	2.4487631	21	3 27.4	21.0
246304 2007 TZ_{129}	17.4	X	65.81363	105.23057	211.60963	4.88145	0.1797830	0.28842287	2.2687305	21	12 20.0	20.7
246305 2007 TD_{135}	16.7	X	354.98510	265.91366	141.11379	3.11421	0.0919218	0.22246549	2.6974969	21	12 17.0	19.9
246306 2007 TX_{140}	17.0	X	317.11903	268.83874	81.75530	3.29479	0.2294415	0.27397507	2.3478050	21	7 9.9	18.9
246307 2007 TV_{147}	17.5	X	10.29043	228.46857	107.14808	3.12754	0.1938377	0.28303754	2.2974180	21	11 1.7	19.5
246308 2007 TX_{147}	16.1	X	355.77801	249.49853	187.96291	21.90823	0.1283287	0.22330837	2.6907048	21	—	—
246309 2007 TY_{147}	14.9	X	130.85563	12.85747	39.37519	17.26104	0.1971675	0.17424499	3.1746499	21	3 30.9	20.0
246310 2007 TM_{153}	17.2	X	260.91035	60.99039	299.61910	1.63399	0.2061207	0.26517775	2.3994479	21	5 7.0	20.6
246311 2007 TX_{157}	15.9	X	335.20637	250.61484	212.51032	21.52993	0.0737499	0.22531800	2.6746818	21	—	—
246312 2007 TT_{158}	15.7	X	138.07626	92.06266	1.73189	10.61797	0.1643099	0.18050056	3.1008708	21	5 13.4	20.8
246313 2007 TJ_{160}	15.2	X	233.64704	27.32873	14.57514	11.18252	0.1135318	0.19010297	2.9955514	21	6 12.2	20.0
246314 2007 TV_{164}	16.3	X	48.42583	305.30512	48.72742	5.50326	0.1293584	0.21921331	2.7241108	21	12 27.6	20.1
246315 2007 TA_{167}	17.2	X	261.09588	116.51268	235.60787	2.16898	0.1371563	0.26288882	2.4133555	21	5 4.2	20.7
246316 2007 TP_{167}	16.8	X	196.18920	176.35194	280.49926	1.81020	0.1385580	0.26651819	2.3913959	21	7 13.4	20.5
246317 2007 TV_{168}	15.7	X	333.54137	210.03201	236.14550	8.12785	0.0678964	0.21941370	2.7224519	21	—	—
246318 2007 TZ_{169}	15.5	X	84.06110	121.38911	224.83542	14.09577	0.1543689	0.22482288	2.6786073	21	—	—
246319 2007 TQ_{172}	15.1	X	166.30555	269.41847	155.55665	26.30590	0.2279825	0.18128385	3.0919322	21	5 16.2	20.9
246320 2007 TB_{181}	17.5	X	104.92328	168.85938	139.17255	5.65274	0.1877457	0.29743842	2.2226513	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
246321 2007 TR_{181}	16.3	X	72.37586	237.76661	87.05062	8.59303	0.2000365	0.22214285	2.7001081	21	12 27.1	20.4
246322 2007 TH_{183}	15.7	X	125.10599	70.24428	21.44422	9.28539	0.0713924	0.17927194	3.1150224	21	4 20.0	20.2
246323 2007 TF_{192}	16.1	X	205.85270	202.67509	217.68142	9.19701	0.0977995	0.19117728	2.9843187	21	6 8.7	20.7
246324 2007 TE_{200}	17.1	X	129.40837	289.47498	29.58321	0.81244	0.1211584	0.22998791	2.6383518	21	—	—
246325 2007 TD_{214}	16.1	X	214.93543	14.54233	226.96725	12.25216	0.0753507	0.22786463	2.6547162	21	—	—
246326 2007 TK_{215}	17.1	X	273.48831	141.29298	261.66746	2.80308	0.1059910	0.27072146	2.3665786	21	8 4.3	19.8
246327 2007 TR_{218}	16.7	X	104.26139	340.67179	31.02579	2.83147	0.1278867	0.23123722	2.6288404	21	—	—
246328 2007 TE_{226}	16.7	X	239.49291	283.63742	169.39757	2.10708	0.0233946	0.20249220	2.8720843	21	9 5.1	20.5
246329 2007 TT_{228}	16.1	X	200.00340	197.52932	219.73952	8.98518	0.0405214	0.18746667	3.0235699	21	5 31.7	20.5
246330 2007 TE_{229}	16.1	X	302.58220	356.22756	241.69084	1.64426	0.0416908	0.17231081	3.1983627	21	2 20.7	20.6
246331 2007 TB_{234}	16.6	X	135.52174	257.44386	116.60918	2.13764	0.1704133	0.23836710	2.5761541	21	1 31.2	20.2
246332 2007 TJ_{234}	15.8	X	98.63616	140.21130	56.57001	12.78292	0.0981351	0.19109264	2.9851999	21	8 8.7	20.3
246333 2007 TK_{238}	15.9	X	331.23045	13.45854	52.76007	5.83168	0.0780100	0.21384980	2.7694710	21	12 2.0	19.1
246334 2007 TF_{243}	15.3	X	148.04680	108.77979	290.52580	11.08949	0.0624411	0.17806637	3.1290664	21	3 7.6	20.1
246335 2007 TJ_{244}	16.0	X	20.38239	142.98942	242.75205	8.63906	0.2222114	0.21970468	2.7200477	21	—	—
246336 2007 TW_{244}	17.4	X	149.61857	339.92990	333.64655	5.66408	0.2913621	0.30801354	2.1714817	21	—	—
246337 2007 TG_{245}	15.3	X	173.59678	114.98031	307.06166	8.85898	0.1180380	0.18365876	3.0652198	21	5 6.3	20.2
246338 2007 TA_{250}	16.4	X	77.13402	40.92594	248.48709	3.56918	0.0341141	0.21340632	2.7733065	21	10 27.7	20.2
246339 2007 TT_{261}	16.9	X	49.97586	19.48953	4.06478	0.76042	0.0408228	0.22255966	2.6967359	21	—	—
246340 2007 TK_{282}	16.3	X	181.84939	280.61503	135.19458	2.40733	0.1168440	0.18860404	3.0114019	21	5 10.3	21.0
246341 2007 TV_{287}	16.4	X	55.76723	255.23953	125.96845	7.85592	0.2064267	0.22691899	2.6620865	21	—	—
246342 2007 TY_{287}	16.1	X	57.36426	285.72032	86.92379	9.29636	0.1633853	0.22618541	2.6678392	21	—	—
246343 2007 TO_{290}	15.3	X	170.95447	280.60782	110.21915	12.13493	0.1011221	0.18154928	3.0889179	21	4 4.3	20.3
246344 2007 TD_{294}	16.1	X	196.31888	106.98718	226.07150	14.15238	0.1526805	0.24236223	2.5477653	21	2 2.3	20.5
246345 Carolharris	15.7	X	291.85223	8.57933	259.70497	3.94942	0.1195806	0.17459634	3.1703895	21	3 4.1	20.3
246346 2007 TK_{301}	16.1	X	349.51874	208.72422	22.56678	5.23123	0.1076471	0.18038491	3.1021960	21	4 9.0	19.8
246347 2007 TX_{306}	16.3	X	221.07849	215.68824	20.49738	4.57495	0.2049023	0.23467689	2.6030899	21	—	—
246348 2007 TJ_{309}	16.4	X	62.64134	241.54915	90.17953	3.10895	0.0236675	0.21751186	2.7382983	21	12 2.2	19.9
246349 2007 TK_{309}	16.1	X	14.61491	53.06588	127.26147	2.97181	0.0582976	0.17636853	3.1491159	21	3 16.4	20.3
246350 2007 TD_{311}	17.9	X	36.72616	248.32706	46.72853	0.22559	0.2120708	0.28257789	2.2999087	21	10 19.6	20.3
246351 2007 TR_{311}	16.7	X	112.03390	205.20220	126.78262	2.97863	0.0912296	0.22876631	2.6477360	21	—	—
246352 2007 TU_{314}	16.6	X	223.91823	159.99468	190.55120	4.79344	0.2250975	0.26194305	2.4191611	21	3 21.5	20.7
246353 2007 TG_{318}	17.2	X	355.52365	88.31375	209.46648	3.07843	0.1692389	0.26891004	2.3771944	21	7 18.8	19.0
246354 2007 TW_{321}	16.0	X	66.87724	34.21958	289.01442	4.71566	0.0430977	0.21628075	2.7486797	21	11 28.5	19.8
246355 2007 TJ_{326}	15.9	X	39.39693	64.14501	294.23773	3.86974	0.0802965	0.21749389	2.7384491	21	12 14.2	19.4
246356 2007 TL_{330}	16.4	X	85.83251	112.49163	242.06385	4.52094	0.0576033	0.22495434	2.6775636	21	—	—
246357 2007 TP_{331}	16.3	X	51.11120	9.00618	300.50847	2.63963	0.0827136	0.20934631	2.8090481	21	10 26.2	20.0
246358 2007 TX_{331}	16.0	X	62.97083	121.46309	252.02224	3.97156	0.0219044	0.22274037	2.6952771	21	—	—
246359 2007 TT_{335}	17.2	X	185.18415	305.15631	256.82532	3.22163	0.0711237	0.29319372	2.2440521	21	11 25.9	20.0
246360 2007 TP_{355}	16.5	X	160.00390	197.36149	132.81590	14.26553	0.2180908	0.23938532	2.5688439	21	1 7.1	20.6
246361 2007 TS_{366}	16.7	X	20.51425	345.36695	8.45815	7.28108	0.1174766	0.21230706	2.7828711	21	11 14.4	20.1
246362 2007 TB_{367}	15.2	X	165.98500	35.82152	25.90764	17.35170	0.1148521	0.17973402	3.1096812	21	4 29.0	20.1
246363 2007 TQ_{378}	15.8	X	141.30044	212.71091	253.45455	5.76449	0.1411147	0.18457543	3.0550627	21	6 2.0	20.6
246364 2007 TS_{385}	16.2	X	203.78138	180.87789	226.86983	4.19966	0.0980716	0.18802841	3.0175448	21	5 21.9	20.8
246365 2007 TV_{386}	17.2	X	335.54320	157.40554	215.52370	1.74903	0.2245807	0.28536903	2.2848875	21	10 12.5	18.4
246366 2007 TE_{392}	15.8	X	8.40402	59.80957	193.85261	9.81943	0.0405946	0.19216055	2.9741296	21	6 8.6	19.8
246367 2007 TF_{392}	17.5	X	326.81828	137.02307	166.71443	1.16918	0.1957105	0.26919839	2.3754966	21	5 20.9	19.6
246368 2007 TG_{392}	16.4	X	45.56550	335.24303	38.70644	6.70728	0.0365187	0.22295696	2.6935313	21	—	—
246369 2007 TR_{398}	15.2	X	102.40443	234.59853	237.29284	8.60571	0.0417884	0.17849191	3.1240911	21	4 12.6	19.7
246370 2007 TO_{399}	15.6	X	48.32433	222.98740	280.99731	4.09129	0.1086168	0.17142478	3.2093738	21	3 19.9	19.7
246371 2007 TO_{400}	16.0	X	101.80118	98.64387	32.72058	8.73572	0.1014093	0.18202503	3.0835332	21	5 15.2	20.5
246372 2007 TM_{414}	15.8	X	170.06188	297.41304	123.48598	13.03760	0.1403075	0.18226886	3.0807827	21	5 10.2	20.9
246373 2007 TQ_{418}	16.5	X	34.77130	76.43685	257.99003	3.10907	0.0607805	0.20987884	2.8042944	21	11 2.7	20.1
246374 2007 TB_{419}	15.5	X	226.08926	287.41205	119.58419	13.10778	0.1103330	0.19017015	2.9948459	21	6 13.7	20.2
246375 2007 TW_{419}	15.3	X	136.04761	128.62139	304.42142	17.52856	0.1934510	0.18098269	3.0953614	21	4 13.4	20.6
246376 2007 TT_{427}	16.9	X	79.70638	170.97165	120.82870	6.41267	0.1706024	0.28763541	2.2728694	21	12 2.5	20.2
246377 2007 TH_{429}	16.1	X	72.24728	87.41020	52.84496	7.30142	0.0764571	0.17631092	3.1498019	21	4 18.1	20.3
246378 2007 TE_{431}	16.3	X	95.08500	135.97278	8.16558	2.34110	0.0700574	0.18412301	3.0600651	21	5 19.3	20.5
246379 2007 TR_{432}	15.9	X	11.99159	251.59139	86.74681	6.80377	0.0629646	0.20827784	2.8186469	21	10 11.1	19.5
246380 2007 TW_{434}	16.0	X	87.40123	205.87822	6.90232	2.84189	0.0290398	0.19409564	2.9543291	21	8 1.9	20.1
246381 2007 UC	16.8	X	57.44158	104.97016	244.14920	2.50114	0.1677354	0.29356754	2.2421467	21	—	—
246382 2007 UJ_{3}	16.0	X	173.33426	299.15058	336.78013	16.46731	0.2204366	0.23231373	2.6207130	21	—	—
246383 2007 US_{11}	16.5	X	327.39420	281.17113	73.21518	6.37275	0.2733602	0.27553404	2.3389407	21	8 7.5	17.8
246384 2007 UW_{11}	14.7	X	235.44175	278.93683	78.83263	16.90991	0.2442971	0.18442506	3.0567231	21	4 21.0	20.1
246385 2007 UD_{18}	17.0	X	248.66569	273.88326	77.35424	5.25329	0.1489873	0.26012297	2.4304326	21	4 20.6	20.6
246386 2007 UP_{18}	15.6	X	236.28623	170.89346	222.89715	5.92421	0.1208668	0.18857036	3.0117605	21	6 5.8	20.1
246387 2007 UF_{24}	16.8	X	123.41705	291.02063	66.99839	6.79567	0.1039065	0.23328652	2.6134225	21	—	—
246388 2007 UX_{25}	15.9	X	113.51206	219.73683	213.84646	9.57804	0.0806826	0.17129001	3.2110570	21	3 15.7	20.7
246389 2007 UY_{29}	15.3	X	110.23943	21.17080	47.32724	19.27804	0.1722572	0.17175677	3.2052369	21	3 29.5	20.3
246390 2007 UE_{34}	16.7	X	183.82105	327.93763	152.67554	7.40353	0.0452448	0.27037271	2.3686132	21	8 3.1	20.0
246391 2007 UW_{39}	15.7	X	292.14373	194.80319	147.84949	8.49223	0.1526283	0.19352115	2.9601730	21	6 3.0	19.9
246392 2007 UT_{46}	16.6	X	78.90571	297.54711	76.05104	3.44253	0.0755150	0.22645405	2.6657290	21	—	—
246393 2007 UV_{46}	17.0	X	261.76067	249.93589	193.53065	4.31970	0.1059381	0.27466146	2.3438919	21	9 15.3	19.7
246394 2007 UL_{47}	16.2	X	159.55176	306.72133	28.45383	5.07074	0.2352864	0.23611849	2.5924838	21	1 15.8	20.5
246395 2007 UQ_{52}	16.4	X	144.50125	259.01741	77.17197	12.18771	0.2224357	0.23316746	2.6143120	21	1 1.0	20.3
246396 2007 UF_{55}	15.5	X	267.81930	49.98886	225.28087	14.44822	0.1822336	0.17504914	3.1649200	21	2 4.9	20.9
246397 2007 UK_{56}	15.5	X	22.96145	196.92268	47.52255	16.79915	0.0540896	0.18796712	3.0182008	21	6 15.4	19.6
246398 2007 UN_{60}	16.2	X	140.41161	288.35066	162.60107	0.28510	0.1299374	0.17834044	3.1258597	21	5 12.9	21.0
246399 2007 UN_{61}	16.6	X	80.10685	52.31471	247.38482	3.39794	0.0423085	0.21566217	2.7539332	21	11 15.3	20.3
246400 2007 UG_{73}	17.5	X	299.91583	44.23058	235.89362	1.36449	0.1737351	0.25657573	2.4527823	21	3 10.8	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
246401 2007 UH_{79}	16.3	X	338.15973	265.97395	122.43917	4.65554	0.1021168	0.20948740	2.8077867	21	10 25.8	19.5
246402 2007 UB_{81}	15.1	X	150.85255	248.34859	35.52955	10.64067	0.0721207	0.15594771	3.4183514	21	—	—
246403 2007 UA_{87}	16.3	X	118.90078	98.45470	218.47307	8.99882	0.0876045	0.22298224	2.6933277	21	—	—
246404 2007 UX_{88}	16.2	X	89.44739	82.76489	226.98827	5.26871	0.0330200	0.21525906	2.7573703	21	12 8.3	20.1
246405 2007 UH_{96}	15.7	X	272.33624	277.33703	49.05841	11.50351	0.0279209	0.18227348	3.0807307	21	5 5.5	20.1
246406 2007 UO_{99}	15.3	X	214.18781	313.53761	69.09012	10.25388	0.0903121	0.18363359	3.0654999	21	5 4.2	20.1
246407 2007 UE_{101}	15.9	X	94.09748	101.12760	238.96848	12.00842	0.2025468	0.22358637	2.6884740	21	—	—
246408 2007 UR_{113}	16.7	X	144.13976	334.88547	275.07937	3.79924	0.0608584	0.21408514	2.7674410	21	11 27.9	20.8
246409 2007 UN_{114}	16.1	X	359.40373	310.94738	345.28594	2.53234	0.1516991	0.19655894	2.9295945	21	7 23.9	19.3
246410 2007 UH_{115}	16.0	X	55.74149	220.21865	42.56556	10.15758	0.1389366	0.19876825	2.9078458	21	9 15.6	20.0
246411 2007 UK_{125}	17.0	X	64.82795	203.35818	123.17674	6.00797	0.1485706	0.29125979	2.2539746	21	12 28.6	20.1
246412 2007 UV_{125}	15.0	X	156.22772	281.25498	129.42250	19.40630	0.2099475	0.17852003	3.1237630	21	4 22.2	20.5
246413 2007 UF_{136}	15.9	X	223.60778	190.71583	85.05310	14.21340	0.1323132	0.23844772	2.5755734	21	—	—
246414 2007 UQ_{137}	15.5	X	346.96792	26.02880	232.95988	27.03410	0.0715732	0.18306669	3.0718252	21	5 13.8	19.5
246415 2007 VQ_{1}	15.7	X	191.16390	281.36482	163.11092	4.04329	0.1708387	0.18682107	3.0305316	21	6 22.3	20.8
246416 2007 VA_{4}	16.7	X	39.39528	28.24910	257.57140	5.74514	0.1168805	0.27550912	2.3390817	21	9 19.3	19.4
246417 2007 VO_{7}	16.9	X	123.17865	193.13773	276.40398	4.06742	0.1064221	0.25248955	2.4791746	21	5 9.3	20.3
246418 2007 VR_{25}	16.0	X	152.92952	175.87490	287.85200	2.28142	0.0997946	0.18768886	3.0211832	21	6 7.8	20.5
246419 2007 VH_{31}	15.4	X	350.36850	257.14542	15.05974	11.32870	0.0256599	0.18872897	3.0100728	21	6 5.3	19.6
246420 2007 VN_{31}	16.7	X	98.08697	317.31189	320.98554	3.95632	0.0276831	0.21174040	2.7878339	21	11 6.6	20.6
246421 2007 VC_{32}	15.8	X	120.25933	252.15322	254.64735	7.35535	0.0582630	0.18764033	3.0217041	21	6 21.6	20.2
246422 2007 VB_{47}	16.3	X	164.44909	316.98310	346.35267	4.19601	0.1922784	0.23275159	2.6174252	21	—	—
246423 2007 VF_{47}	15.9	X	51.10326	181.02685	313.54391	4.28628	0.0197740	0.17120950	3.2120637	21	3 5.7	20.4
246424 2007 VJ_{48}	15.4	X	161.79886	135.54225	312.68509	5.15608	0.0233246	0.18377063	3.0639756	21	5 23.7	19.9
246425 2007 VR_{53}	16.3	X	248.45926	225.10939	169.42981	3.40571	0.0369931	0.19011249	2.9954514	21	6 29.9	20.5
246426 2007 VA_{54}	16.1	X	135.52975	156.34526	116.36657	4.49680	0.0672750	0.21608790	2.7503149	21	12 17.2	20.2
246427 2007 VK_{56}	17.0	X	32.13889	195.11332	93.12534	5.90958	0.1964496	0.27410874	2.3470416	21	10 1.7	19.4
246428 2007 VD_{65}	16.1	X	34.80442	114.45466	259.03984	3.52178	0.0906499	0.21410137	2.7673011	21	12 27.9	19.7
246429 2007 VY_{84}	15.7	X	218.80671	8.93542	31.00942	8.09026	0.2296164	0.18590711	3.0404559	21	5 19.5	20.9
246430 2007 VT_{86}	16.1	X	52.36898	22.68495	343.84154	5.74441	0.0330782	0.22005929	2.7171247	21	—	—
246431 2007 VP_{87}	15.3	X	268.49787	28.99604	292.09096	7.87288	0.0284699	0.18137974	3.0908424	21	4 20.0	19.8
246432 2007 VC_{89}	15.4	X	140.70210	321.21624	14.31303	12.65350	0.2797963	0.23319670	2.6140935	21	1 4.6	19.7
246433 2007 VA_{90}	16.9	X	17.14884	232.15776	96.32078	6.31732	0.1254305	0.27796101	2.3253061	21	10 24.2	19.3
246434 2007 VH_{91}	15.8	X	58.97618	295.35506	332.13215	5.26781	0.0351500	0.20097840	2.8864883	21	9 4.9	19.6
246435 2007 VQ_{112}	16.3	X	72.26235	240.77504	63.99679	1.35238	0.0561728	0.20940102	2.8085588	21	11 13.4	20.0
246436 2007 VL_{116}	16.3	X	60.83129	134.78573	202.65348	14.20101	0.1308868	0.21777612	2.7360827	21	12 20.9	20.5
246437 2007 VO_{125}	16.7	X	216.70775	306.62430	116.45619	7.58473	0.1560599	0.26152978	2.4217089	21	6 18.9	20.4
246438 2007 VD_{141}	16.0	X	317.69399	186.84959	23.57482	11.00851	0.0698126	0.16919066	3.2375647	21	2 8.3	20.6
246439 2007 VT_{153}	17.3	X	141.08771	33.92147	282.93355	1.83969	0.0960419	0.23224880	2.6212015	21	—	—
246440 2007 VG_{154}	16.8	X	219.87318	104.36384	156.93979	2.77070	0.0512409	0.23596994	2.5935717	21	—	—
246441 2007 VF_{158}	16.6	X	228.14525	180.47357	100.70920	5.29039	0.1969095	0.23893296	2.5720852	21	1 4.9	21.0
246442 2007 VZ_{161}	15.3	X	143.64129	171.60378	258.30846	11.25321	0.0387141	0.17471773	3.1689209	21	4 8.1	20.1
246443 2007 VH_{185}	15.4	X	205.52814	3.84256	59.21074	17.38201	0.0841853	0.18540776	3.0459127	21	6 10.4	20.1
246444 2007 VJ_{185}	15.4	X	192.56646	199.83314	242.34514	7.30482	0.0967822	0.18523297	3.0478285	21	6 21.8	20.2
246445 2007 VK_{185}	15.6	X	159.38007	254.63369	160.16303	9.50806	0.2271632	0.17659440	3.1464302	21	4 25.7	21.0
246446 2007 VQ_{185}	16.3	X	106.42539	17.80064	276.47512	4.41299	0.0505059	0.21402886	2.7679261	21	12 10.2	20.3
246447 2007 VB_{190}	15.4	X	157.44390	326.60768	64.10612	19.38243	0.2121394	0.17301741	3.1896487	21	4 3.1	21.0
246448 2007 VV_{192}	15.2	X	195.86880	295.00374	101.27958	14.83193	0.0684578	0.17256164	3.1952625	21	5 6.6	20.2
246449 2007 VZ_{209}	16.8	X	267.04041	34.19920	184.71427	4.60444	0.1274411	0.23696992	2.5862703	21	—	—
246450 2007 VJ_{212}	16.6	X	128.31374	102.46344	151.86567	4.00784	0.0447249	0.21035546	2.8000569	21	11 16.3	20.6
246451 2007 VY_{225}	16.5	X	210.99981	234.25522	47.39616	3.85921	0.1185501	0.23661855	2.5888300	21	—	—
246452 2007 VP_{229}	16.3	X	341.44224	319.64353	0.88302	1.56486	0.0464470	0.19426357	2.9526263	21	7 28.7	20.0
246453 2007 VH_{238}	16.1	X	302.94250	183.26356	192.67865	1.44484	0.0889838	0.19895219	2.9060532	21	8 10.0	19.8
246454 2007 VL_{241}	16.7	X	102.64259	211.26904	165.86669	8.34587	0.1334888	0.23239248	2.6201209	21	—	—
246455 2007 VE_{242}	15.8	X	201.14080	324.40788	124.02878	10.18233	0.1414335	0.18991779	2.9974983	21	7 6.9	20.6
246456 2007 VF_{243}	15.1	X	322.37835	182.29460	140.98038	13.50812	0.1192603	0.17517755	3.1633731	21	6 26.6	19.2
246457 2007 VU_{244}	16.5	X	108.99010	68.92064	260.00589	4.37971	0.0639016	0.22228887	2.6989256	21	—	—
246458 2007 VT_{245}	14.9	X	6.52402	300.79211	273.86275	11.92838	0.1065609	0.17799307	3.1299254	21	4 9.2	19.0
246459 2007 VV_{251}	15.5	X	183.09023	297.21275	105.91956	11.08264	0.2340527	0.17857802	3.1230867	21	5 2.0	21.1
246460 2007 VD_{255}	17.7	X	290.17581	32.57731	290.91551	1.39450	0.1910348	0.26731468	2.3866432	21	4 22.2	20.9
246461 2007 VU_{268}	15.5	X	236.91899	314.02509	69.82118	16.94473	0.0927152	0.18617214	3.0375698	21	5 27.9	19.9
246462 2007 VJ_{274}	16.3	X	227.71434	171.62322	90.72828	6.49816	0.1460893	0.23385258	2.6092034	21	—	—
246463 2007 VM_{276}	15.5	X	303.48181	67.37723	265.37710	7.71851	0.1001737	0.19361134	2.9592536	21	6 12.3	19.4
246464 2007 VR_{298}	15.8	X	212.33196	252.10333	147.36169	19.54263	0.1384604	0.18598886	3.0395650	21	5 23.6	21.0
246465 2007 VS_{301}	14.8	X	184.72138	273.63788	109.46978	28.24502	0.0702274	0.17824589	3.1269651	21	4 16.3	20.1
246466 2007 VG_{306}	16.0	X	98.36108	186.60406	127.03319	5.86674	0.1013458	0.20702537	2.8300037	21	12 27.8	20.3
246467 2007 VG_{310}	15.8	X	146.12929	359.81679	93.86283	8.22598	0.0967660	0.17864950	3.1222536	21	5 20.9	20.6
246468 2007 VU_{310}	16.0	X	188.54359	1.90886	99.45802	3.07996	0.0624446	0.18826117	3.0150571	21	7 12.7	20.5
246469 2007 VC_{317}	15.4	X	271.37371	244.37682	113.72622	14.90716	0.3497851	0.18266300	3.0763493	21	5 9.8	20.7
246470 2007 VG_{330}	16.7	X	354.50495	324.42746	181.82712	2.04809	0.0766608	0.23038248	2.6353386	21	—	—
246471 2007 WP_{7}	15.5	X	162.81303	50.14337	49.69707	11.91761	0.0596925	0.18343435	3.0677192	21	6 10.4	20.1
246472 2007 WE_{15}	16.0	X	205.51645	340.90620	89.78727	4.78130	0.0760782	0.18680263	3.0307310	21	6 22.1	20.6
246473 2007 WK_{17}	16.2	X	296.24984	263.80513	140.26738	2.71110	0.0295126	0.19997298	2.8961552	21	9 15.8	20.0
246474 2007 WZ_{21}	16.0	X	55.81360	267.55271	354.11869	5.89630	0.0521163	0.19817092	2.9136861	21	8 28.1	19.8
246475 2007 WL_{28}	15.4	X	17.95524	338.62793	222.75481	11.58952	0.0636341	0.17602438	3.1532192	21	4 14.5	19.6
246476 2007 WH_{39}	15.3	X	266.60615	257.06753	115.41839	12.72631	0.2393012	0.19246443	2.9709983	21	5 31.2	20.0
246477 2007 WD_{40}	15.7	X	318.48229	233.94004	36.75000	11.28783	0.0313827	0.17909173	3.1171117	21	4 23.8	20.0
246478 2007 WP_{41}	16.9	X	119.66752	232.16277	96.56939	2.86627	0.0892918	0.22451653	2.6810433	21	—	—
246479 2007 WA_{59}	15.4	X	9.08325	315.36912	270.16309	28.84965	0.1553265	0.24274765	2.5450678	21	4 13.2	18.8
246480 2007 XT_{1}	16.4	X	53.66044	103.29897	245.45318	3.82557	0.0852297	0.21391868	2.7688765	21	12 20.1	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
246481 2007 XB_2	16.4	X	324.69330	173.12537	227.32567	1.50754	0.0596867	0.20563097	2.8427829	21	10 18.3	20.0
246482 2007 XM_2	16.8	X	32.88328	246.71082	72.48325	3.13818	0.0752794	0.20337584	2.8637591	21	10 14.5	20.4
246483 2007 XK_3	16.3	X	113.62535	95.45126	300.23212	13.01561	0.0715461	0.22800413	2.6536333	21	1 19.7	19.7
246484 2007 XY_7	15.5	X	259.35234	207.11453	214.58505	12.10466	0.0991412	0.19513471	2.9438320	21	8 5.2	19.9
246485 2007 XD_{18}	15.7	X	176.33623	325.91635	112.09982	10.21997	0.1649201	0.17831421	3.1261664	21	6 3.2	20.9
246486 2007 XH_{21}	16.2	X	100.90313	287.79144	77.65768	10.13032	0.1650631	0.22545962	2.6735616	21	—	—
246487 2007 XR_{24}	15.5	X	278.85816	315.96772	98.21449	8.94480	0.0271851	0.19534321	2.9417370	21	9 8.9	19.6
246488 2007 XV_{30}	16.4	X	153.99951	210.94970	149.05447	4.55176	0.2123647	0.23799053	2.5788709	21	2 5.8	20.3
246489 2007 XA_{31}	15.6	X	97.14979	60.91042	116.37665	6.65501	0.0642680	0.17649799	3.1475758	21	7 3.3	20.1
246490 2007 XU_{56}	16.9	X	174.87734	117.08469	280.72040	0.88732	0.0882626	0.24212160	2.5494531	21	4 4.1	20.7
246491 2007 YE_{20}	14.9	X	11.50418	138.48581	132.29039	27.87606	0.1982932	0.17408652	3.1765762	21	7 13.7	18.5
246492 2007 YC_{43}	16.0	X	162.25560	275.39084	108.27009	12.26710	0.3223020	0.23983823	2.5656088	21	3 25.8	20.8
246493 2007 YV_{51}	16.1	X	28.35663	231.54923	86.20764	3.18688	0.0697089	0.19992183	2.8966492	21	10 5.4	19.8
246494 2007 YG_{52}	16.0	X	176.49636	0.65515	44.65503	0.99500	0.1491602	0.17245140	3.1966241	21	4 23.6	21.2
246495 2007 YS_{63}	16.4	X	274.60264	197.97219	92.12956	5.59509	0.0612732	0.23439719	2.6051602	21	3 15.2	20.0
246496 2008 AO_{17}	14.9	X	148.99957	352.36060	257.83696	2.08354	0.0811665	0.12582927	3.9441031	21	11 20.9	20.9
246497 2008 AP_{17}	14.7	X	122.99039	122.01635	148.58700	4.44086	0.0728284	0.12529762	3.9552521	21	11 19.3	20.6
246498 2008 AE_{26}	15.9	X	18.75530	197.24231	322.05438	12.92689	0.0374420	0.22814539	2.6525378	21	2 13.2	19.3
246499 2008 AH_{37}	16.8	X	1.69516	284.58525	118.78995	3.08538	0.0619163	0.20459666	2.8523557	21	12 14.9	20.4
246500 2008 AE_{45}	15.8	X	111.73685	301.28544	170.63491	11.58499	0.1412575	0.23192728	2.6236234	21	5 8.7	19.6
246501 2008 AA_{62}	15.6	X	25.62380	355.15404	314.80431	6.14022	0.2026024	0.18859999	3.0114451	21	10 2.2	19.2
246502 2008 AC_{72}	15.3	X	230.90789	267.29095	133.28341	16.03210	0.0805543	0.17952452	3.1120999	21	6 14.3	20.2
246503 2008 AQ_{117}	15.5	X	6.33983	331.84157	325.92656	9.10006	0.1333205	0.17923082	3.1154988	21	8 7.2	19.0
246504 Hualien	15.0	X	356.84716	316.43990	311.90391	12.76370	0.1000056	0.17209602	3.2010233	21	6 9.9	19.2
246505 2008 BT_{26}	14.7	X	76.29094	294.98260	308.46602	24.09619	0.3267829	0.17776460	3.1326067	21	9 19.8	20.0
246506 2008 BH_{53}	15.7	X	295.43967	12.45036	82.64244	8.56357	0.0279001	0.19231983	2.9724872	21	11 18.4	19.8
246507 2008 CB_{10}	16.5	X	220.08839	146.81824	138.86832	5.73625	0.0872092	0.21968863	2.7201801	21	1 6.4	20.5
246508 2008 CQ_{73}	15.6	X	164.68306	6.11178	113.18889	11.95013	0.0552614	0.17704898	3.1410422	21	7 8.3	20.2
246509 2008 CD_{89}	16.5	X	108.07486	314.80068	90.92824	6.07940	0.0533887	0.22101637	2.7092750	21	1 24.9	20.1
246510 2008 CE_{102}	16.4	X	92.84938	138.65273	150.87301	11.94086	0.0876273	0.19705237	2.9247019	21	11 23.2	20.9
246511 2008 CC_{131}	15.8	X	24.96733	43.60779	333.40927	9.95032	0.0863625	0.19991095	2.8967543	21	12 15.4	19.7
246512 2008 CA_{182}	15.2	X	83.04970	192.92693	121.60213	11.21698	0.1061388	0.19454943	2.9497333	21	12 12.5	19.6
246513 2008 CJ_{184}	16.1	X	141.43820	219.92874	117.03982	9.79967	0.2112944	0.21432617	2.7653658	21	1 1.2	20.3
246514 2008 CS_{210}	15.7	X	14.29173	164.18861	108.89446	3.59003	0.0628265	0.17180064	3.2046912	21	7 13.4	19.9
246515 2008 CK_{211}	15.7	X	79.85873	72.69193	205.83392	2.68050	0.0447692	0.18819015	3.0158157	21	10 16.2	19.9
246516 2008 CL_{212}	15.9	X	276.56176	186.90959	128.67699	13.72303	0.2114710	0.22675467	2.6633724	21	4 4.0	20.2
246517 2008 DZ_2	16.4	X	285.43268	87.80697	123.43132	4.31916	0.0591774	0.21884477	2.7271682	21	—	—
246518 2008 DK_{40}	16.0	X	187.07397	355.08455	188.97265	10.91858	0.0925928	0.18592580	3.0402522	21	10 21.3	20.7
246519 2008 DV_{46}	15.2	X	102.87120	86.75083	170.74402	16.79222	0.0832658	0.18236858	3.0796596	21	10 24.3	19.9
246520 2008 DU_{54}	15.4	X	195.74337	338.15275	6.13951	13.84937	0.1265590	0.22915628	2.6447312	21	2 25.9	19.6
246521 2008 EC_{78}	15.2	X	32.38380	297.49092	14.58731	15.83742	0.0975272	0.17858104	3.1230515	21	10 3.8	19.1
246522 2008 EO_{91}	14.7	X	228.73950	310.92566	116.09157	22.43500	0.1752596	0.17556062	3.1587698	21	7 5.3	19.7
246523 2008 EV_{120}	13.2	X	290.40600	120.49692	179.60201	12.45514	0.0409004	0.08249468	5.2261929	21	5 3.2	20.1
246524 2008 EX_{142}	15.3	X	35.30948	239.80202	80.14586	14.70729	0.0286614	0.18335860	3.0685641	21	10 16.5	19.8
246525 2008 FR_{32}	16.4	X	157.77913	150.81814	180.91137	4.10196	0.0732093	0.21331088	2.7741336	21	—	—
246526 2008 FA_{61}	16.1	X	242.36348	317.92732	191.52072	6.83102	0.0992422	0.18715277	3.0269497	21	11 7.6	20.4
246527 2008 FA_{95}	13.0	X	272.38432	260.33196	82.65931	7.18138	0.0527176	0.08228696	5.2349840	21	5 28.1	19.9
246528 2008 FQ_{129}	16.3	X	308.13922	278.26151	207.87165	2.80047	0.0869843	0.19741599	2.9211095	21	—	—
246529 2008 GW_{66}	15.0	X	347.87645	349.10426	28.80758	11.56199	0.2906397	0.18068750	3.0987317	21	10 26.9	17.4
246530 2008 GC_{106}	13.1	X	295.09083	121.45009	194.30085	24.68975	0.1008252	0.08271816	5.2167755	21	5 17.8	20.1
246531 2008 GW_{134}	15.1	X	204.66319	302.29114	221.02831	8.21767	0.0279473	0.18212425	3.0824133	21	10 17.6	19.5
246532 2008 HL_{37}	15.6	X	18.20424	168.07418	142.26192	10.10399	0.0811322	0.17427615	3.1742716	21	9 9.2	19.7
246533 2008 HT_{41}	13.8	X	329.93791	197.72565	105.69702	0.98901	0.0911918	0.08304401	5.2031200	21	6 17.1	20.2
246534 2008 KG_{43}	13.1	X	250.26330	245.59574	139.89169	16.95434	0.0501828	0.08146033	5.2703395	21	6 22.1	20.3
246535 2008 MN_5	14.8	X	74.13759	304.35660	30.11400	21.19447	0.2667910	0.17005577	3.2265753	21	—	—
246536 2008 NQ_2	17.1	X	167.28691	231.96543	169.65034	9.23042	0.2309597	0.27851866	2.3222012	21	4 8.8	20.8
246537 2008 PQ_{10}	17.0	X	166.90701	214.62055	137.73145	5.73574	0.2247976	0.26859108	2.3790760	21	2 5.3	20.5
246538 2008 QF_6	15.6	X	47.19087	116.88675	302.27172	16.00669	0.1812850	0.17637995	3.1489800	21	—	—
246539 2008 RF_8	16.4	X	17.14161	311.73953	208.05846	6.00802	0.0639660	0.19184261	2.9774148	21	2 15.9	20.2
246540 2008 RW_{39}	17.2	X	189.09865	344.32705	349.96245	3.68395	0.2092398	0.26786536	2.3833712	21	2 2.4	21.1
246541 2008 RU_{46}	16.4	X	331.97829	86.00260	5.45086	12.23674	0.0670920	0.24112385	2.5564812	21	—	—
246542 2008 RW_{64}	16.0	X	300.73463	304.10237	27.97575	4.67098	0.0731501	0.21421959	2.7662829	21	6 10.2	19.6
246543 2008 RM_{80}	17.2	X	151.67460	236.22613	198.95890	6.39249	0.0996765	0.28051224	2.3111857	21	4 25.8	20.4
246544 2008 RV_{80}	15.9	X	223.00985	241.83345	255.77453	10.71521	0.0585423	0.21746486	2.7386928	21	10 4.5	19.9
246545 2008 RT_{81}	16.4	X	290.29566	69.54048	246.39113	3.29473	0.0606187	0.21095531	2.7947464	21	5 7.2	20.0
246546 2008 SM_{12}	13.1	X	0.78082	42.14875	353.30675	7.76854	0.0894823	0.08226260	5.2360176	21	11 9.3	19.7
246547 2008 SS_{12}	16.8	X	31.34056	290.00995	217.75564	2.02918	0.0978414	0.26753729	2.3853192	21	2 5.4	19.0
246548 2008 SL_{22}	16.6	X	126.80211	178.82734	211.06329	2.55395	0.1037628	0.18923577	3.0046961	21	2 8.5	20.9
246549 2008 SA_{42}	15.8	X	192.27869	274.19462	173.98948	13.17965	0.2054033	0.20968950	2.8059823	21	6 26.8	20.8
246550 2008 SO_{47}	12.9	X	29.77987	154.92037	203.44666	6.67789	0.2263327	0.08507393	5.1200207	21	11 24.7	19.0
246551 2008 SK_{72}	16.2	X	328.97315	218.73086	215.84830	13.64274	0.0519440	0.23451969	2.6042530	21	12 14.2	19.5
246552 2008 SR_{90}	17.6	X	204.66136	186.74413	194.50489	22.15211	0.0785101	0.35426445	1.9781126	21	4 4.4	20.0
246553 2008 SJ_{98}	15.9	X	206.40963	290.13039	10.46950	8.89326	0.1209036	0.18401351	3.0612790	21	1 19.4	20.9
246554 2008 SC_{99}	16.1	X	240.54944	3.56248	42.99727	8.94558	0.2209560	0.20943358	2.8082677	21	6 15.6	20.7
246555 2008 SO_{99}	17.0	X	295.51696	298.19288	172.46718	7.61868	0.2162797	0.23137467	2.6277992	21	11 26.9	19.6
246556 2008 SO_{102}	16.1	X	128.29924	325.75493	201.56140	3.38921	0.0204788	0.20997856	2.8034065	21	7 23.4	20.1
246557 2008 SZ_{112}	16.0	X	192.16513	30.54814	43.97690	7.91479	0.1299386	0.20524236	2.8463702	21	6 10.4	20.6
246558 2008 SR_{118}	16.3	X	331.58448	181.93430	198.79237	3.23343	0.1466795	0.22511485	2.6762907	21	10 2.6	19.1
246559 2008 SG_{142}	17.2	X	65.64129	166.01203	156.48357	2.79667	0.1077893	0.23370585	2.6102954	21	12 8.9	20.8
246560 2008 SA_{158}	13.3	X	0.75196	200.71011	196.93605	6.63065	0.0830251	0.08342590	5.1872294	21	11 14.9	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
246561 2008 SM_{160}	16.4	X	91.63711	249.42270	180.81542	1.71520	0.2044144	0.18318050	3.0705527	21	3 2.9	20.5
246562 2008 SS_{167}	16.4	X	68.66894	159.22860	196.31971	11.96550	0.1833151	0.24213878	2.5493325	21	—	—
246563 2008 SQ_{172}	16.5	X	255.22862	236.93778	167.97978	4.84944	0.0770962	0.21305651	2.7763412	21	7 16.1	20.3
246564 2008 SW_{180}	16.6	X	88.69627	256.77155	197.90628	3.92834	0.1351986	0.18582611	3.0413394	21	3 18.6	20.6
246565 2008 SY_{192}	16.7	X	231.46731	127.15323	39.18084	13.96318	0.1155079	0.23336328	2.6128494	21	11 17.6	20.4
246566 2008 SQ_{194}	16.0	X	13.99671	178.91707	206.68602	5.26851	0.2283799	0.23478699	2.6022760	21	—	—
246567 2008 SD_{261}	16.9	X	160.58521	329.14287	125.48493	3.10269	0.0588775	0.20164527	2.8801207	21	6 2.4	21.1
246568 2008 SO_{263}	16.3	X	281.06377	265.06694	185.44807	21.86339	0.0701055	0.22732012	2.6589538	21	10 25.7	19.8
246569 2008 TK_{19}	16.6	X	226.22539	342.00496	36.65386	2.29211	0.0560577	0.19996555	2.8962270	21	5 10.9	20.8
246570 2008 TK_{21}	16.9	X	3.25260	225.80892	222.24086	1.32969	0.1313398	0.24201296	2.5502160	21	—	—
246571 2008 TE_{59}	16.8	X	352.19400	120.83779	35.17026	5.94414	0.0898568	0.25727719	2.4483219	21	—	—
246572 2008 TS_{72}	16.8	X	86.37973	215.35020	268.90859	2.17344	0.2599000	0.18629879	3.0361929	21	5 10.6	21.0
246573 2008 TN_{112}	15.9	X	257.09879	181.94883	243.07018	8.44023	0.0949697	0.21707861	2.7419405	21	8 8.9	19.9
246574 2008 TV_{135}	16.3	X	85.19555	95.96766	354.13899	2.96799	0.0940906	0.18373360	3.0643874	21	3 3.6	20.4
246575 2008 TP_{164}	16.2	X	157.77454	273.30861	188.23719	8.60322	0.0653356	0.20150267	2.8814793	21	6 8.6	20.6
246576 2008 TY_{171}	16.3	X	293.43908	224.25015	170.96544	13.69574	0.2036406	0.21803707	2.7338991	21	8 3.3	19.9
246577 2008 TT_{176}	16.5	X	319.22142	259.02473	256.32590	2.08050	0.1255865	0.24097673	2.5575216	21	—	—
246578 2008 UH_{5}	14.8	X	237.33732	232.24810	168.17040	14.64412	0.2663058	0.12648034	3.9305563	21	6 6.3	21.4
246579 2008 UX_{31}	18.1	X	341.56049	273.21756	144.27761	1.79625	0.0448550	0.31013078	2.1615874	21	12 28.9	20.3
246580 2008 UM_{40}	15.4	X	69.00387	68.06350	44.15732	26.61594	0.2198457	0.17972539	3.1097807	21	4 8.1	19.6
246581 2008 US_{40}	16.3	X	208.61073	118.18353	247.89589	2.68662	0.0828268	0.19293527	2.9661627	21	4 4.4	20.9
246582 2008 UJ_{54}	17.4	X	253.96710	338.75188	200.08201	2.17136	0.0558250	0.31311682	2.1478228	21	—	—
246583 2008 UT_{71}	17.7	X	154.58179	299.65973	351.70401	3.77655	0.1629810	0.32056778	2.1144113	21	—	—
246584 2008 UD_{87}	17.6	X	177.72691	42.03569	46.77612	4.64302	0.1410517	0.28028862	2.3124148	21	6 13.3	21.1
246585 2008 UE_{89}	17.5	X	58.62064	132.46604	23.47541	5.01960	0.1015256	0.26707798	2.3880532	21	4 8.9	19.8
246586 2008 UX_{92}	16.6	X	196.81145	235.47749	93.98838	7.59549	0.1462039	0.26439997	2.4041512	21	2 1.5	20.3
246587 2008 UP_{93}	16.3	X	24.83416	174.05181	190.54709	14.10635	0.1159245	0.23157226	2.6263042	21	12 11.4	19.9
246588 2008 UG_{94}	16.4	X	1.90416	222.48455	192.14259	11.94267	0.1975109	0.23307852	2.6149770	21	—	—
246589 2008 UD_{114}	17.1	X	25.13138	164.41658	16.49139	5.43154	0.1581249	0.26565846	2.3965525	21	3 16.7	19.2
246590 2008 UT_{119}	15.5	X	74.20410	59.85309	28.14175	10.96357	0.0900978	0.17883749	3.1200652	21	2 19.3	19.8
246591 2008 UU_{144}	16.9	X	293.52643	304.13923	195.82841	2.41739	0.1077883	0.23626844	2.5913868	21	—	—
246592 2008 UW_{155}	16.5	X	352.04766	54.88062	51.94984	16.77215	0.1062604	0.24120163	2.5559316	21	—	—
246593 2008 UY_{157}	15.8	X	235.64408	298.37406	59.02647	11.40031	0.0933155	0.19609463	2.9342171	21	4 25.1	20.3
246594 2008 US_{163}	16.8	X	86.38933	314.82392	7.55165	4.75838	0.1671201	0.23952006	2.5678804	21	—	—
246595 2008 UJ_{246}	16.2	X	162.27283	220.56470	85.44554	8.33746	0.0478301	0.24592040	2.5231303	21	—	—
246596 2008 UQ_{261}	16.1	X	293.26397	208.45771	268.12459	14.37255	0.0934090	0.23003894	2.6379616	21	12 13.3	19.0
246597 2008 UK_{279}	15.1	X	282.12322	154.94121	47.17271	7.38608	0.1717849	0.17246822	3.1964163	21	—	—
246598 2008 UT_{316}	15.2	X	6.77297	248.78177	292.95826	11.37915	0.0905077	0.17126600	3.2113572	21	2 28.3	19.4
246599 2008 UO_{317}	15.9	X	64.84779	306.37091	240.01501	22.77126	0.1863908	0.27861812	2.3216486	21	6 16.2	18.5
246600 2008 UQ_{322}	16.6	X	344.44046	352.40999	261.85185	6.51671	0.0883324	0.27958791	2.3162768	21	4 18.8	19.1
246601 2008 UC_{329}	17.4	X	334.28151	40.64962	267.68861	4.87448	0.1909961	0.29148746	2.2528008	21	6 12.8	19.1
246602 2008 UF_{335}	16.2	X	173.26144	306.14608	246.36906	10.87609	0.0947606	0.22034638	2.7147642	21	10 17.2	20.5
246603 2008 UC_{346}	15.5	X	146.24017	323.50455	113.33388	11.67973	0.0898425	0.18072341	3.0983212	21	5 2.9	20.3
246604 2008 UJ_{352}	15.9	X	57.36116	262.36239	270.46115	3.46905	0.0862968	0.18132859	3.0914237	21	5 7.3	19.8
246605 2008 VR_{20}	17.6	X	52.58431	289.41816	90.86008	3.49432	0.0561869	0.31609669	2.1343030	21	—	—
246606 2008 VM_{21}	16.3	X	270.24912	246.46778	103.87179	3.81741	0.1106949	0.20375757	2.8601812	21	5 21.0	20.3
246607 2008 VB_{25}	16.8	X	223.74141	256.59678	185.10846	4.16890	0.0696788	0.21176867	2.7875858	21	7 26.7	20.8
246608 2008 VF_{64}	16.0	X	238.67933	305.55945	107.45171	10.55029	0.2257796	0.20927250	2.8097085	21	6 22.6	20.6
246609 2008 VL_{67}	15.2	X	271.27472	139.93850	89.39739	17.04862	0.0786724	0.17072238	3.2181708	21	1 2.1	20.0
246610 2008 VR_{68}	15.6	X	120.54098	162.88404	291.05363	8.82700	0.0464843	0.17763945	3.1340778	21	4 10.8	20.3
246611 2008 VE_{69}	16.8	X	207.96865	50.66843	82.94119	2.92148	0.0345660	0.21694717	2.7430479	21	9 19.9	20.6
246612 2008 VJ_{69}	16.2	X	107.40386	249.03313	50.83105	6.23048	0.0958254	0.23505346	2.6003089	21	12 25.0	20.0
246613 2008 VW_{71}	16.1	X	279.04607	23.19107	76.66905	30.01807	0.1545820	0.22256780	2.6966702	21	11 4.0	19.9
246614 2008 VK_{72}	17.8	X	305.49456	233.24838	76.63930	3.52139	0.0696333	0.27616496	2.3353770	21	5 14.9	20.6
246615 2008 VD_{79}	16.0	X	346.96584	333.02377	84.22732	8.75014	0.0371900	0.22366299	2.6878599	21	12 14.4	19.3
246616 2008 VY_{79}	17.4	X	42.93142	74.46245	151.05288	2.62630	0.1183058	0.27662390	2.3327932	21	6 28.2	19.6
246617 2008 WX_{2}	17.0	X	326.33176	120.52747	254.26973	23.00255	0.1137328	0.37419018	1.9072507	21	9 29.3	19.1
246618 2008 WF_{5}	16.8	X	245.92121	224.13931	179.53211	2.01111	0.0441939	0.20920673	2.8102974	21	7 7.6	20.6
246619 2008 WH_{16}	17.0	X	359.37624	109.67258	285.48496	2.55286	0.1617973	0.23240140	2.6200539	21	12 18.8	19.8
246620 2008 WH_{31}	16.7	X	355.62027	45.82929	9.46599	1.67215	0.0843845	0.23050830	2.6343795	21	12 30.2	19.9
246621 2008 WG_{39}	17.0	X	10.98442	197.48967	206.45584	2.18159	0.0483972	0.23360366	2.6110566	21	—	—
246622 2008 WO_{59}	15.6	X	155.05498	12.66153	90.31049	10.76142	0.0640734	0.19802009	2.9151655	21	6 7.4	19.8
246623 2008 WQ_{65}	16.6	X	259.82760	127.38153	57.31656	6.05796	0.0699022	0.23818807	2.5774448	21	—	—
246624 2008 WN_{81}	15.6	X	124.68013	330.65906	86.75441	12.43722	0.1241616	0.18135435	3.0911309	21	3 22.3	20.4
246625 2008 WY_{86}	17.4	X	53.54048	53.28113	222.14474	5.79905	0.1032335	0.29697932	2.2249414	21	9 27.8	19.9
246626 2008 WO_{87}	17.5	X	198.13724	127.55691	77.44840	4.83336	0.0392248	0.30947620	2.1646344	21	12 24.1	19.8
246627 2008 WK_{89}	16.1	X	307.98990	324.50045	107.51570	10.66461	0.1223956	0.21692901	2.7432010	21	11 6.0	19.4
246628 2008 WR_{91}	17.0	X	351.87000	189.63626	280.71230	2.10956	0.0786235	0.23204994	2.6226988	21	—	—
246629 2008 WP_{94}	16.1	X	17.36106	0.09184	87.12468	5.79055	0.2012327	0.23532504	2.5983080	21	—	—
246630 2008 WU_{94}	15.6	X	102.20846	28.70938	60.40652	25.88459	0.2598467	0.17957285	3.1115415	21	4 25.2	20.5
246631 2008 WU_{111}	15.6	X	27.79879	91.48865	68.49912	11.94417	0.0519310	0.18051275	3.1007312	21	3 14.3	19.9
246632 2008 WU_{125}	17.0	X	224.33526	168.84527	313.30965	1.36198	0.1685612	0.20824392	2.8189530	21	9 7.9	21.4
246633 2008 WL_{129}	16.9	X	165.19316	81.73000	247.44934	2.52639	0.1221429	0.24684585	2.5168200	21	—	—
246634 2008 XR_{1}	16.9	X	86.31611	199.25340	246.99333	4.06834	0.1634607	0.25536168	2.4605502	21	2 22.6	19.7
246635 2008 XP_{9}	15.6	X	73.02729	265.73951	180.24470	10.26232	0.0956033	0.17739949	3.1369034	21	2 8.9	19.8
246636 2008 XS_{16}	17.0	X	339.48460	36.18802	230.97492	3.71937	0.1259488	0.27237511	2.3569902	21	4 27.9	19.1
246637 2008 XF_{30}	16.8	X	40.63585	230.45407	112.49998	9.48047	0.1544888	0.30694523	2.1765173	21	12 26.2	19.4
246638 2008 XO_{38}	16.1	X	142.38525	241.31856	51.99352	4.82700	0.2548720	0.23988189	2.5652975	21	—	—
246639 2008 YJ_{1}	16.5	X	290.27976	37.05192	86.71528	14.57696	0.2636531	0.22496871	2.6774496	21	11 26.9	19.1
246640 2008 YR_{4}	17.1	X	102.51177	195.12294	90.02095	1.69760	0.1116607	0.29309140	2.2445744	21	12 12.7	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
246641 2008 YU_8	16.1	X	99.10046	76.12912	42.16322	6.08038	0.0929760	0.17926011	3.1151595	21	4 26.1	20.3
246642 2008 YW_8	16.3	X	215.30731	190.72800	115.62721	16.02103	0.1057523	0.23512392	2.5997894	21	1 24.5	20.3
246643 Miaoli	16.2	X	287.23906	207.24504	278.21821	3.71845	0.1903959	0.22267204	2.6958285	21	12 1.3	19.2
246644 2008 YZ_{18}	16.8	X	115.07706	164.07976	98.01336	1.84531	0.0219556	0.21405049	2.7677397	21	11 8.8	20.7
246645 2008 YD_{19}	16.1	X	162.03910	350.54009	103.24386	3.33451	0.0861285	0.18845208	3.0130205	21	6 4.7	20.8
246646 2008 YK_{19}	17.6	X	329.19995	242.81247	92.75212	1.56097	0.1093405	0.27924547	2.3181701	21	7 29.0	19.6
246647 2008 YO_{19}	16.0	X	42.21202	235.83726	301.76950	3.48173	0.0928644	0.17761124	3.1344096	21	4 21.1	20.0
246648 2008 YZ_{19}	17.0	X	302.88067	253.58528	284.17432	0.83801	0.0558966	0.23572071	2.5953996	21	—	—
246649 2008 YN_{21}	17.1	X	258.97827	73.08254	277.48946	1.41153	0.1458028	0.26770041	2.3843501	21	4 28.0	20.4
246650 2008 YG_{22}	15.9	X	189.59119	304.42063	121.01662	14.56754	0.1481121	0.18952579	3.0016301	21	5 31.9	21.0
246651 2008 YS_{22}	16.3	X	40.35817	313.94510	286.92026	5.44640	0.1153368	0.18902819	3.0068955	21	7 15.6	19.8
246652 2008 YU_{28}	16.7	X	18.08440	353.32224	291.63848	1.06948	0.0601578	0.20080615	2.8881387	21	8 4.6	20.1
246653 2008 YM_{33}	16.7	X	352.59097	284.42404	161.88591	2.93348	0.0519424	0.23133392	2.6281078	21	—	—
246654 2008 YN_{35}	16.6	X	60.95761	180.85264	103.53363	6.05823	0.2229972	0.28447618	2.2896659	21	11 9.6	19.8
246655 2008 YE_{38}	16.1	X	42.69978	118.89978	281.88840	2.45369	0.2290601	0.23645098	2.5900529	21	—	—
246656 2008 YA_{41}	15.4	X	91.12280	190.53529	284.58418	15.22312	0.0650436	0.17667847	3.1454319	21	3 30.7	20.1
246657 2008 YD_{45}	16.7	X	261.29993	75.76165	82.02830	3.87150	0.1638373	0.22296345	2.6934790	21	12 7.9	20.1
246658 2008 YK_{47}	15.9	X	12.31810	81.06856	96.11903	7.16974	0.1494220	0.17183368	3.2042804	21	3 9.9	19.7
246659 2008 YW_{49}	16.5	X	110.94204	138.39305	77.08513	3.56575	0.1499290	0.19828910	2.9125284	21	9 18.3	21.0
246660 2008 YT_{58}	16.0	X	32.13887	242.00979	92.20917	6.69800	0.0362378	0.21528859	2.7571181	21	10 30.9	19.7
246661 2008 YA_{85}	16.6	X	176.90723	298.45932	259.30700	3.12721	0.0109322	0.21470620	2.7621017	21	11 1.8	20.5
246662 2008 YV_{92}	16.2	X	243.71356	46.85181	327.39749	2.33988	0.0832520	0.19224055	2.9733045	21	5 23.0	20.6
246663 2008 YP_{101}	17.0	X	168.20723	134.36955	265.67525	4.66645	0.1288059	0.26072685	2.4266783	21	3 29.6	20.6
246664 2008 YW_{103}	16.1	X	240.42632	294.46398	114.88294	6.65763	0.0910017	0.19747819	2.9204961	21	7 2.8	20.4
246665 2008 YH_{105}	16.7	X	319.53883	194.02939	119.78622	13.94406	0.2657620	0.27252490	2.3561264	21	5 15.0	19.5
246666 2008 YP_{106}	16.0	X	58.43955	33.62404	109.98028	10.03160	0.0542410	0.17426552	3.1744006	21	4 4.4	20.4
246667 2008 YB_{109}	16.5	X	70.01693	201.51912	107.04958	5.60291	0.0629603	0.21376061	2.7702413	21	11 18.4	20.4
246668 2008 YS_{117}	16.4	X	269.22893	87.49307	153.01497	2.89027	0.1176816	0.24221472	2.5487996	21	—	—
246669 2008 YN_{126}	16.7	X	292.20172	359.27074	76.59975	1.63972	0.0461498	0.21398863	2.7682730	21	10 21.4	20.3
246670 2008 YY_{131}	16.6	X	318.35245	93.05416	350.29765	1.94561	0.1046872	0.22313452	2.6921022	21	12 6.4	19.6
246671 2008 YT_{132}	16.5	X	235.51575	220.91798	23.18045	2.15767	0.1053115	0.23479812	2.6021938	21	—	—
246672 2008 YZ_{132}	16.0	X	2.12421	330.91729	326.31371	4.83028	0.0472342	0.19705433	2.9246825	21	7 28.3	19.7
246673 2008 YG_{137}	15.8	X	59.17309	76.01185	114.22587	11.12958	0.0433048	0.18734124	3.0249193	21	5 30.1	20.0
246674 2008 YS_{138}	16.6	X	26.32717	327.52261	259.24887	3.86158	0.0524233	0.26495210	2.4008101	21	5 25.1	19.3
246675 2008 YH_{141}	16.6	X	165.77792	153.42836	131.11123	15.79562	0.1404432	0.22819305	2.6521685	21	—	—
246676 2008 YN_{151}	15.2	X	280.88891	9.15177	295.53708	21.68558	0.0435631	0.18229899	3.0804432	21	4 3.9	20.1
246677 2008 YU_{151}	16.6	X	283.73257	237.46482	161.95438	2.31091	0.0695330	0.20326204	2.8648278	21	8 17.0	20.3
246678 2008 YY_{152}	17.3	X	20.08822	254.57590	159.61753	3.42043	0.1077442	0.22879233	2.6475352	21	—	—
246679 2008 YE_{159}	16.6	X	296.59307	55.59632	12.31425	4.38323	0.0500812	0.21181765	2.7871561	21	10 15.3	20.1
246680 2008 YG_{159}	16.1	X	3.50281	283.87613	136.85728	22.01417	0.1529707	0.22382007	2.6866022	21	—	—
246681 2008 YZ_{160}	16.5	X	13.87806	271.08480	231.86456	11.19764	0.0716970	0.25680112	2.4513469	21	1 4.3	19.6
246682 2008 YK_{161}	15.9	X	115.20238	10.17753	278.69061	13.05363	0.0747677	0.22348086	2.6893200	21	12 16.9	19.9
246683 2008 YW_{161}	15.4	X	92.72039	34.43539	96.02826	19.33347	0.0534976	0.18055676	3.1002274	21	5 5.6	20.0
246684 2008 YJ_{162}	16.5	X	91.92517	54.85482	123.86798	2.66037	0.1147206	0.18795957	3.0182816	21	7 5.8	20.6
246685 2008 YO_{162}	16.0	X	41.99525	69.16744	116.78371	8.97068	0.0962453	0.18128697	3.0918968	21	5 7.0	20.0
246686 2008 YZ_{162}	17.2	X	304.26898	19.88775	239.58847	0.72901	0.1395304	0.25586433	2.4573266	21	2 22.4	20.5
246687 2009 AD	17.0	X	139.47858	108.07450	293.75325	0.47821	0.1813613	0.25596672	2.4566713	21	3 9.7	20.4
246688 2009 AE	16.7	X	218.94695	289.92419	106.22853	6.39883	0.1113565	0.27071469	2.3666180	21	5 19.9	20.1
246689 2009 AH_5	16.3	X	166.76091	159.44334	95.52380	10.04228	0.1374622	0.22500826	2.6771359	21	12 26.9	20.5
246690 2009 AD_{12}	17.3	X	295.39093	176.28400	90.58687	2.46169	0.1512650	0.25378171	2.4707521	21	2 21.4	20.7
246691 2009 AA_{15}	16.7	X	84.71821	301.27252	298.93344	0.94867	0.0307378	0.20088930	2.8873417	21	9 2.7	20.8
246692 2009 AG_{21}	16.0	X	98.34509	51.81064	91.35371	10.07052	0.1309120	0.18639369	3.0351623	21	6 1.4	20.3
246693 2009 AL_{21}	16.9	X	7.32492	94.75938	328.62424	2.75027	0.0935216	0.23100904	2.6305712	21	—	—
246694 2009 AM_{21}	16.9	X	268.26238	71.75259	79.78693	5.29307	0.1633355	0.22441813	2.6818270	21	12 10.2	20.2
246695 2009 AG_{25}	16.9	X	223.23144	259.97728	289.57522	3.57775	0.0854069	0.22154831	2.7049366	21	12 10.6	20.8
246696 2009 AN_{25}	16.4	X	110.79245	261.94136	283.45800	1.70804	0.0632355	0.19531874	2.9419827	21	7 30.5	20.6
246697 2009 AC_{26}	17.3	X	256.37010	191.74398	158.79836	1.42246	0.1916339	0.26969549	2.3725767	21	4 21.5	20.8
246698 2009 AS_{26}	15.2	X	170.41209	58.17098	304.99232	17.02458	0.1191250	0.17194348	3.2029162	21	2 21.2	20.4
246699 2009 AH_{30}	15.5	X	98.99734	193.35267	273.86379	10.44719	0.1350915	0.17989901	3.1077795	21	4 13.3	20.1
246700 2009 AM_{31}	16.0	X	155.47963	274.36122	151.23478	2.86959	0.0321306	0.18137721	3.0908712	21	4 20.7	20.4
246701 2009 AX_{31}	17.3	X	44.22244	193.66575	116.64737	8.05596	0.1358314	0.28892960	2.2660772	21	11 12.6	20.1
246702 2009 AU_{32}	15.5	X	290.58564	168.92394	129.98699	28.27623	0.0987695	0.17910807	3.1169220	21	4 24.4	20.5
246703 2009 AO_{33}	16.5	X	95.79290	298.42059	5.83288	1.88506	0.0599148	0.21679515	2.7443301	21	12 11.6	20.5
246704 2009 AY_{34}	15.7	X	104.15876	293.95005	130.57610	5.50713	0.1610200	0.17449372	3.1716324	21	3 8.3	20.1
246705 2009 AN_{36}	16.0	X	159.86789	124.86428	138.44457	6.77004	0.0296930	0.22083028	2.7107968	21	—	—
246706 2009 AQ_{48}	15.8	X	132.94920	268.36983	148.97992	10.45506	0.2241924	0.17928880	3.1148271	21	4 6.7	20.9
246707 2009 BM_4	16.8	X	154.55616	271.87813	173.61935	6.35857	0.1298699	0.26491085	2.4010593	21	5 17.5	20.3
246708 2009 BQ_4	15.5	X	77.59266	306.22293	252.86556	10.96860	0.0608287	0.19251764	2.9704508	21	7 4.6	19.7
246709 2009 BR_6	16.8	X	246.36170	126.24882	279.48313	9.59657	0.1012115	0.27661384	2.3328498	21	7 3.7	19.9
246710 2009 BO_7	16.0	X	294.67563	293.48261	148.48821	9.70117	0.1304969	0.21501152	2.7594862	21	10 26.2	19.4
246711 2009 BJ_8	15.6	X	142.28642	131.00756	287.24035	16.75578	0.0935242	0.17867726	3.1219302	21	3 23.3	20.7
246712 2009 BS_{10}	16.4	X	38.01184	156.97386	179.06980	5.99718	0.0370959	0.21309573	2.7760006	21	11 8.6	20.1
246713 2009 BZ_{11}	16.3	X	86.91322	170.34664	242.03140	5.69010	0.1089276	0.24384324	2.5374388	21	1 4.2	19.3
246714 2009 BR_{12}	16.7	X	113.75370	216.55072	249.04465	5.36391	0.0630028	0.25969692	2.4330901	21	4 13.9	19.9
246715 2009 BN_{16}	17.0	X	7.41192	103.16188	150.94353	6.69942	0.0891668	0.26199441	2.4188449	21	6 5.2	19.6
246716 2009 BP_{16}	15.9	X	1.78837	36.28335	168.66712	4.99145	0.0866987	0.17040349	3.2221844	21	3 28.4	19.8
246717 2009 BP_{17}	15.7	X	83.04457	229.52622	285.50384	7.39829	0.0749535	0.18210229	3.0826611	21	5 17.6	20.0
246718 2009 BV_{18}	16.4	X	61.15451	354.52621	124.14375	6.17283	0.1416926	0.17254467	3.1954721	21	3 15.5	20.4
246719 2009 BR_{19}	17.4	X	7.89401	198.90365	109.74109	8.79181	0.1468362	0.28126062	2.3070841	21	9 9.8	19.5
246720 2009 BP_{21}	16.1	X	2.18202	197.51417	114.90844	6.44713	0.0928083	0.19820300	2.9133718	21	8 20.3	19.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
246721 2009 BP_{24}	15.4	X	338.65091	185.97268	141.54508	12.86083	0.0577215	0.19605946	2.9345680	21	8 1.5	19.2
246722 2009 BN_{35}	15.3	X	139.55533	87.79144	331.30668	9.24713	0.0311792	0.17336704	3.1853589	21	3 21.6	19.9
246723 2009 BT_{44}	15.6	X	178.10225	267.04810	144.80035	11.26031	0.0959176	0.17950701	3.1123023	21	5 4.9	20.6
246724 2009 BZ_{45}	15.4	X	270.22397	201.72105	152.00994	16.82891	0.1013643	0.18631233	3.0360458	21	5 30.4	20.1
246725 2009 BC_{47}	15.7	X	138.44657	294.14818	152.07621	10.02702	0.1083724	0.17812678	3.1283589	21	5 6.3	20.6
246726 2009 BR_{48}	14.5	X	130.81355	274.59502	331.39948	12.24856	0.1169948	0.12607206	3.9390378	21	10 26.9	20.7
246727 2009 BE_{50}	16.9	X	150.33721	151.69307	105.78456	2.86338	0.0809867	0.21757894	2.7377354	21	12 14.5	20.9
246728 2009 BO_{52}	15.8	X	184.20109	137.38141	147.94652	15.58915	0.0885998	0.22794406	2.6540995	21	—	—
246729 2009 BN_{56}	16.7	X	333.23727	9.47137	75.10914	2.36568	0.1697005	0.22163855	2.7042023	21	—	—
246730 2009 BP_{56}	16.7	X	316.77550	150.17762	18.59491	3.30084	0.1107471	0.23868122	2.5738933	21	—	—
246731 2009 BV_{56}	15.6	X	355.94190	293.02780	323.89351	8.18994	0.0293572	0.18631342	3.0360340	21	5 24.1	19.9
246732 2009 BS_{61}	17.1	X	308.81201	238.04801	154.85319	5.85892	0.1197276	0.28574258	2.2828957	21	9 19.8	19.1
246733 2009 BJ_{62}	15.2	X	164.50365	70.16032	321.82158	14.41630	0.0447614	0.17652055	3.1473077	21	3 15.6	20.1
246734 2009 BB_{63}	16.4	X	168.02373	333.26262	328.19319	5.51964	0.1611816	0.23277949	2.6172160	21	—	—
246735 2009 BD_{63}	16.4	X	251.49013	176.98753	97.88551	4.30455	0.2046215	0.24256331	2.5463571	21	1 15.9	20.7
246736 2009 BV_{64}	16.4	X	217.13584	117.15320	153.78816	13.32877	0.2585516	0.22911805	2.6450254	21	—	—
246737 2009 BW_{67}	16.6	X	101.99269	198.65621	133.62745	2.55127	0.0777824	0.22169360	2.7037546	21	—	—
246738 2009 BT_{70}	16.2	X	132.92427	46.83050	45.90215	2.30164	0.1501084	0.18163693	3.0879240	21	5 9.0	20.9
246739 2009 BH_{74}	16.4	X	85.61920	247.16149	113.02055	6.99020	0.0636655	0.22477517	2.6789863	21	—	—
246740 2009 BB_{76}	15.5	X	149.66568	306.38000	118.44910	16.15140	0.2276326	0.18206436	3.0830892	21	5 3.3	20.9
246741 2009 BF_{78}	16.4	X	104.51386	204.34316	101.48767	3.93412	0.0610943	0.21942655	2.7223457	21	12 24.1	20.2
246742 2009 BQ_{78}	16.0	X	58.99659	283.12692	315.21011	22.58457	0.2165854	0.26998418	2.3708851	21	8 24.8	18.9
246743 2009 BT_{79}	16.5	X	224.08029	151.44744	25.29594	3.70593	0.1290851	0.21753734	2.7380845	21	11 19.1	20.5
246744 2009 BS_{82}	15.9	X	26.87179	330.81820	103.27760	15.45514	0.0355481	0.23126448	2.6286339	21	—	—
246745 2009 BA_{83}	15.6	X	89.17185	83.89995	57.57921	10.68210	0.1861282	0.17843442	3.1247621	21	5 25.7	20.1
246746 2009 BY_{98}	16.4	X	260.35923	89.13798	16.88457	3.59370	0.0224418	0.21224803	2.7833871	21	10 19.7	20.2
246747 2009 BJ_{115}	15.9	X	15.39950	120.10657	116.30583	26.30542	0.3309900	0.17887492	3.1196300	21	6 15.9	18.7
246748 2009 BZ_{124}	16.9	X	45.74376	47.45298	339.98451	3.78230	0.0833447	0.22200184	2.7012514	21	—	—
246749 2009 BB_{129}	15.4	X	253.85918	328.84038	350.22878	21.87383	0.1358368	0.17202464	3.2019087	21	3 20.8	20.4
246750 2009 BV_{133}	16.9	X	325.39294	336.40559	144.99233	2.68826	0.0212114	0.22824361	2.6517767	21	—	—
246751 2009 BL_{136}	17.1	X	178.61250	225.72062	167.56533	2.31563	0.1682989	0.25982814	2.4322708	21	4 5.5	21.0
246752 2009 BK_{142}	15.9	X	314.05079	323.60734	340.81927	5.42858	0.1788892	0.18363911	3.0654384	21	5 7.7	19.8
246753 2009 BJ_{149}	17.2	X	78.99831	259.99264	277.27700	2.96589	0.0411775	0.26052460	2.4279341	21	6 2.9	20.2
246754 2009 BK_{152}	16.4	X	189.50967	24.40163	66.74236	4.85110	0.0418378	0.19331968	2.9622293	21	7 1.2	20.7
246755 2009 BY_{153}	17.3	X	150.79375	343.37380	16.10522	2.20709	0.1123320	0.24403621	2.5361009	21	1 22.3	20.9
246756 2009 BM_{160}	16.0	X	246.96183	157.63547	159.28225	9.33188	0.0582135	0.17488369	3.1669158	21	3 22.8	20.6
246757 2009 BM_{175}	15.2	X	123.07207	87.79367	333.33258	24.81665	0.1848861	0.17566310	3.1575411	21	3 16.9	20.3
246758 2009 BF_{179}	15.5	X	73.49167	81.02727	64.87555	9.96924	0.0488256	0.17865115	3.1222344	21	4 24.2	19.8
246759 Elviracheca	17.1	X	187.64673	237.69620	144.38502	3.61477	0.1347496	0.26030095	2.4293246	21	3 30.4	20.7
246760 2009 CY_{6}	16.7	X	62.10913	172.55533	148.86229	4.78200	0.1017465	0.21305132	2.7763863	21	11 29.6	20.6
246761 2009 CT_{9}	16.2	X	85.15084	14.50577	290.19146	5.05643	0.0331634	0.21255267	2.7807269	21	11 25.5	20.1
246762 2009 CT_{13}	15.7	X	168.00615	311.61526	93.54098	11.11899	0.0918092	0.18089578	3.0963527	21	4 17.7	20.6
246763 2009 CL_{14}	15.9	X	8.84411	16.97332	202.98363	2.92934	0.1025450	0.17621703	3.1509206	21	4 26.2	19.5
246764 2009 CD_{20}	15.7	X	140.26367	100.43736	293.42343	5.30940	0.1051504	0.17315074	3.1880110	21	3 1.2	20.5
246765 2009 CS_{21}	16.1	X	159.47751	237.58971	263.94213	1.93598	0.0052192	0.19448465	2.9503882	21	7 28.6	20.1
246766 2009 CY_{21}	17.4	X	172.13834	233.03179	185.51395	0.83369	0.1308702	0.26204294	2.4185463	21	4 29.3	20.9
246767 2009 CB_{29}	16.4	X	176.86150	227.23588	118.66398	3.80550	0.0868554	0.24184470	2.5513987	21	1 31.5	20.1
246768 2009 CO_{30}	16.5	X	169.36105	235.77111	105.56610	4.81351	0.1384037	0.23855566	2.5747964	21	1 22.9	20.4
246769 2009 CA_{35}	15.3	X	301.08134	179.89427	94.24522	7.98385	0.1039200	0.17474528	3.1685878	21	3 30.8	19.8
246770 2009 CJ_{46}	17.1	X	265.20349	276.26910	137.65400	7.25712	0.0875347	0.28176076	2.3043532	21	8 12.9	19.9
246771 2009 CZ_{48}	16.2	X	350.17360	162.68718	133.43212	8.70887	0.0665583	0.19313484	2.9641190	21	7 7.4	19.9
246772 2009 CU_{50}	15.9	X	41.75684	136.89724	76.61255	6.98009	0.1131695	0.18035024	3.1025937	21	6 10.6	19.7
246773 2009 CQ_{51}	16.4	X	44.19333	172.03264	123.19058	8.21874	0.0657302	0.27960494	2.3161827	21	10 10.4	19.2
246774 2009 CH_{57}	15.4	X	351.49465	132.55087	95.80495	5.77853	0.0700314	0.17174143	3.2054278	21	4 14.9	19.7
246775 2009 DO_{6}	16.5	X	153.66711	270.33564	316.12342	1.31759	0.0469005	0.21188805	2.7865386	21	11 9.1	20.6
246776 2009 DK_{11}	15.7	X	244.76890	256.09675	142.04177	10.92390	0.1109277	0.19186134	2.9772210	21	6 21.8	20.3
246777 2009 DG_{16}	16.1	X	331.37363	307.61674	138.90984	5.51752	0.0839510	0.21939404	2.7226146	21	12 30.8	19.4
246778 2009 DK_{16}	14.9	X	49.92659	256.41920	155.26131	18.37719	0.0826522	0.14914557	3.5215117	21	—	—
246779 2009 DB_{20}	15.6	X	113.71231	274.15348	159.33455	13.78014	0.1291429	0.17033501	3.2230480	21	3 27.1	20.3
246780 2009 DK_{43}	14.9	X	230.18835	217.93602	121.06432	15.91478	0.1249692	0.17274041	3.1930576	21	3 31.9	20.2
246781 2009 DH_{49}	17.2	X	49.42891	257.49389	359.18362	4.22653	0.1989951	0.26336306	2.4104575	21	9 9.4	19.9
246782 2009 DT_{51}	15.8	X	317.04390	140.34472	22.78476	5.08634	0.0736436	0.15475926	3.4358296	21	—	—
246783 2009 DN_{53}	15.9	X	19.63969	166.85037	139.81654	12.78010	0.0332751	0.19679111	2.9272899	21	9 4.5	19.8
246784 2009 DA_{56}	15.8	X	301.92535	186.39854	138.57831	6.21975	0.1161728	0.18127106	3.0920777	21	5 30.2	20.0
246785 2009 DC_{74}	16.6	X	48.34040	273.91105	158.31213	10.37496	0.0705416	0.23305755	2.6151339	21	—	—
246786 2009 DV_{77}	15.2	X	198.19695	23.26913	166.40152	3.52288	0.1590901	0.12755289	3.9084916	21	10 28.5	21.3
246787 2009 DT_{83}	16.9	X	288.90928	38.23716	137.56955	2.82588	0.0622632	0.22215188	2.7000349	21	—	—
246788 2009 DC_{87}	15.4	X	225.17442	183.21426	177.33260	10.93554	0.0681639	0.17220815	3.1996336	21	4 20.7	20.2
246789 Pattinson	16.8	X	343.87783	340.09488	305.43532	4.42924	0.1776906	0.26105135	2.4246669	21	5 30.2	18.9
246790 2009 DS_{90}	16.3	X	92.61040	352.99841	200.59626	2.56850	0.0173004	0.18804590	3.0173578	21	7 11.4	20.5
246791 2009 DF_{99}	16.5	X	181.18342	158.18915	116.35199	4.23075	0.1056376	0.22038589	2.7144397	21	—	—
246792 2009 DD_{106}	15.8	X	182.59245	322.72573	134.54710	6.95638	0.0467617	0.18680347	3.0307219	21	6 30.7	20.3
246793 2009 DH_{110}	17.0	X	201.54766	185.57100	301.58740	4.30438	0.1662603	0.27793637	2.3254435	21	8 25.9	20.4
246794 2009 DP_{128}	15.5	X	8.49635	184.62351	63.28528	8.60123	0.1190279	0.17765428	3.1339033	21	6 1.5	19.2
246795 2009 EX_{4}	15.7	X	137.15089	270.17621	189.97076	0.53518	0.0745029	0.17584719	3.1553371	21	5 15.8	20.4
246796 2009 EP_{8}	16.3	X	5.26568	303.09220	75.85323	4.49880	0.1040255	0.21021711	2.8012853	21	11 24.5	19.5
246797 2009 EP_{9}	17.1	X	2.02357	228.94315	228.40431	1.78742	0.0106017	0.23097168	2.6308549	21	—	—
246798 2009 EB_{12}	15.1	X	224.94427	207.27941	164.41465	26.09161	0.0867253	0.17469042	3.1692511	21	5 5.6	20.3
246799 2009 EA_{15}	15.9	X	263.09660	226.92685	137.50809	2.76623	0.0454234	0.18338127	3.0683112	21	6 8.8	20.2
246800 2009 EX_{15}	16.7	X	265.66712	230.31121	29.56374	2.19401	0.1158651	0.23684254	2.5871974	21	1 17.7	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
246801 2009 ER_{22}	15.3	X	136.31762	271.45104	169.08920	10.26402	0.0480281	0.17068309	3.2186646	21	4 20.6	20.0
246802 2009 EN_{26}	16.4	X	255.54244	183.98406	172.14822	2.79867	0.1704156	0.25243857	2.4795084	21	5 1.5	20.1
246803 2009 FB_{1}	14.7	X	325.95798	268.79461	27.21226	22.74339	0.1453636	0.17399252	3.1777203	21	5 16.2	18.9
246804 2009 FJ_{7}	16.3	X	194.32906	158.96193	130.18613	4.40078	0.0703470	0.22583365	2.6706089	21	—	—
246805 2009 FH_{9}	15.9	X	151.27237	267.28389	172.49169	9.57330	0.0840187	0.17538950	3.1608240	21	5 9.2	20.7
246806 2009 FX_{25}	15.3	X	322.80624	243.31072	91.77047	17.56365	0.0544930	0.18624144	3.0368162	21	7 20.2	19.4
246807 2009 FE_{31}	16.2	X	252.12129	54.79385	185.91834	12.17081	0.2255441	0.22459549	2.6804149	21	—	—
246808 2009 FC_{44}	15.7	X	185.86820	295.27438	132.22518	6.67198	0.1601870	0.18033139	3.1028099	21	5 29.6	20.8
246809 2009 FP_{66}	16.8	X	131.59441	160.54198	179.99384	1.22516	0.0604863	0.22225884	2.6991687	21	—	—
246810 2009 FH_{73}	16.7	X	207.69537	128.33265	194.97095	1.40825	0.2089319	0.22898836	2.6460240	21	2 7.8	21.1
246811 2009 GJ_{3}	14.9	X	28.56139	317.66233	287.74522	16.24115	0.1761124	0.17704171	3.1411281	21	7 9.1	18.4
246812 2009 HD_{60}	15.6	X	13.97003	78.99428	192.51914	9.40168	0.0580879	0.17683480	3.1435779	21	7 9.2	19.9
246813 2009 HD_{76}	17.1	X	1.84877	217.74688	79.39615	2.36280	0.1371860	0.25981357	2.4323617	21	8 2.2	19.3
246814 2009 HE_{77}	15.6	X	322.44797	132.67862	150.29304	5.79565	0.0968516	0.16818393	3.2504717	21	5 9.3	19.9
246815 2009 HG_{82}	15.6	X	227.14629	212.86762	69.45267	13.45559	0.1454364	0.22310515	2.6923385	21	1 8.8	20.0
246816 2009 HP_{98}	15.6	X	96.65791	9.25817	205.58113	9.77868	0.0413168	0.18315912	3.0707917	21	8 13.5	20.2
246817 2009 KH_{1}	12.8	X	289.90245	91.74255	217.50071	26.84853	0.0176943	0.08375461	5.1736485	21	5 13.9	19.7
246818 2009 KA_{2}	16.6	X	283.50182	176.59596	89.52686	5.61765	0.1606862	0.23231285	2.6207196	21	2 10.2	20.5
246819 2009 LO_{2}	15.3	X	23.71128	113.81474	193.18860	17.86880	0.0964688	0.17861718	3.1226302	21	9 10.8	19.5
246820 2009 MP	15.1	X	139.83615	354.64148	263.13200	14.41950	0.0844430	0.19230742	2.9726152	21	11 30.0	19.7
246821 Satyarthi	15.8	X	98.36871	303.79102	11.22738	5.21634	0.1410567	0.18194857	3.0843971	21	12 28.6	20.7
246822 2009 ST_{53}	17.0	X	145.30313	81.80326	223.33107	6.19044	0.1298803	0.27344506	2.3508378	21	—	—
246823 2009 TO_{35}	14.8	X	272.85862	133.86783	57.11463	10.16214	0.0450789	0.18201125	3.0836890	21	—	—
246824 2009 TR_{41}	15.8	X	44.90741	220.76789	175.69619	8.39247	0.0613186	0.17859030	3.1229436	21	—	—
246825 2009 TK_{43}	15.4	X	219.78113	119.89134	88.41437	6.65625	0.0616085	0.17373862	3.1808155	21	12 23.3	19.9
246826 2009 TX_{45}	16.2	X	58.23609	245.03073	23.74828	12.81479	0.0627238	0.23584985	2.5944521	21	9 18.5	19.6
246827 2009 TT_{46}	16.5	X	216.95373	254.57408	130.30196	5.31541	0.1163620	0.21745979	2.7387354	21	5 6.3	20.7
246828 2009 UF_{5}	15.4	X	1.01850	146.28903	314.51613	15.26805	0.1427917	0.18008207	3.1056730	21	—	—
246829 2009 UF_{71}	15.8	X	61.62049	222.72374	142.86203	2.30116	0.1647489	0.17751183	3.1355797	21	—	—
246830 2009 UZ_{71}	18.1	X	192.37132	156.60162	225.95850	3.74987	0.1912535	0.29507692	2.2344941	21	3 31.6	21.6
246831 2009 UK_{81}	13.4	X	352.16001	190.51045	215.60986	11.51354	0.0787289	0.08305804	5.2025340	21	11 12.6	19.8
246832 2009 UV_{135}	15.9	X	68.71462	211.66495	143.56422	5.05311	0.1618513	0.17690587	3.1427359	21	—	—
246833 2009 UD_{136}	12.9	X	95.10348	229.33722	65.26614	7.78134	0.0883824	0.08346910	5.1854394	21	11 13.2	19.8
246834 2009 WJ_{10}	15.2	X	69.92992	293.10026	87.77479	17.27343	0.2347660	0.17856428	3.1232469	21	—	—
246835 2009 WA_{204}	16.5	X	112.66479	306.26229	174.74095	1.98989	0.1698248	0.20442136	2.8539862	21	5 24.4	20.8
246836 2009 WH_{212}	16.4	X	123.78285	104.91277	276.92241	7.52214	0.1964650	0.19171642	2.9787211	21	2 5.4	20.8
246837 Bethfabinsky	15.3	X	22.85578	343.09629	269.59840	8.33480	0.1614385	0.18603818	3.0390277	21	7 6.5	18.6
246838 2010 CN_{144}	16.3	X	247.17567	265.73623	213.90291	11.38214	0.2266181	0.22766869	2.6562392	21	9 20.9	20.4
246839 2010 CE_{148}	15.8	X	353.41060	329.27912	123.72888	4.43763	0.1066453	0.17166303	3.2064037	21	—	—
246840 2010 DW_{45}	15.6	X	211.01244	56.00742	184.85931	9.43716	0.0354569	0.15333118	3.4571302	21	—	—
246841 Williamirace	17.2	X	162.27392	250.67804	212.07577	2.88911	0.1658761	0.21392242	2.7688442	21	6 18.6	21.6
246842 Dutchstapelbroek	15.5	X	315.57022	322.84829	212.00219	15.36952	0.1419440	0.24002795	2.5642567	21	—	—
246843 2010 EE_{31}	17.0	X	82.95040	312.23030	163.71927	4.29286	0.2478140	0.18820870	3.0156175	21	4 25.6	21.1
246844 2010 EM_{73}	15.7	X	42.21895	144.87413	337.83424	3.74121	0.1569130	0.17252104	3.1957638	21	2 17.1	19.2
246845 2010 EE_{121}	16.4	X	18.29604	95.30043	76.13053	9.26261	0.1229752	0.26370531	2.4083714	21	2 21.8	18.9
246846 2010 EY_{126}	15.4	X	133.66619	223.03415	230.16980	8.78390	0.0852422	0.18722612	3.0261591	21	5 3.2	19.9
246847 2010 EO_{139}	16.9	X	357.94970	105.67326	131.25886	11.19516	0.1889972	0.27084996	2.3658300	21	4 16.1	19.1
246848 2010 EL_{140}	16.5	X	106.40573	71.51725	192.02055	9.05592	0.1788738	0.21303252	2.7765497	21	11 14.3	21.0
246849 2010 FB_{48}	16.0	X	48.62003	2.86332	124.63696	2.22023	0.1456466	0.17486263	3.1671700	21	3 5.1	19.8
246850 2010 FP_{55}	16.4	X	288.80782	27.37272	19.31543	4.46091	0.0679589	0.21009702	2.8023527	21	9 5.6	19.9
246851 2010 GV_{24}	15.4	X	344.04355	230.96797	82.14529	13.07008	0.0311460	0.19643066	2.9308698	21	7 24.2	19.4
246852 2010 GM_{27}	16.5	X	18.73118	256.03230	70.54439	1.37922	0.0712060	0.21025462	2.8009521	21	10 3.5	19.8
246853 2010 GU_{30}	17.0	X	307.04403	32.24709	192.02129	9.83117	0.1374012	0.25602890	2.4562735	21	1 10.3	20.6
246854 2010 GL_{97}	16.2	X	318.78612	55.56143	198.17885	3.02802	0.1224083	0.17506117	3.1647749	21	3 21.4	20.4
246855 2010 GY_{116}	16.3	X	335.02635	206.78501	59.86458	0.17524	0.1179280	0.18081588	3.0972648	21	5 1.4	20.1
246856 2010 GC_{117}	16.4	X	68.38662	101.41262	214.03747	3.56320	0.2012507	0.21234156	2.7825697	21	12 10.8	20.6
246857 2010 HU_{77}	16.5	X	110.17471	35.35378	35.71608	6.79099	0.0386704	0.25623067	2.4549839	21	2 23.0	19.7
246858 2010 HX_{78}	16.1	X	121.94766	213.00693	70.14637	11.04150	0.2173715	0.21663424	2.7456888	21	12 20.5	20.9
246859 2010 JZ_{115}	17.1	X	86.83414	169.81950	97.50810	6.83959	0.1353568	0.29162223	2.2521067	21	11 6.8	20.2
246860 2010 JK_{155}	16.7	X	341.07179	346.38261	114.22868	1.76920	0.1126629	0.23286030	2.6166105	21	—	—
246861 Johnelwell	15.9	X	235.54604	242.67066	238.03290	10.27539	0.1104570	0.22368290	2.6877004	21	9 22.2	20.0
246862 2655 P–L	15.4	X	163.81530	18.58898	11.05612	13.75054	0.2106060	0.17217821	3.2000045	21	3 28.5	20.6
246863 2697 P–L	17.2	X	341.97025	214.06111	147.58220	2.77834	0.2043983	0.27471158	2.3436067	21	10 8.5	18.6
246864 6379 P–L	17.2	X	291.32164	66.30584	261.83875	1.41295	0.2049269	0.25538837	2.4603787	21	4 29.3	20.4
246865 6770 P–L	17.6	X	80.58335	231.02176	156.36540	1.84570	0.1731350	0.29631507	2.2282653	21	—	—
246866 1356 T–2	16.2	X	20.03389	146.30631	175.85415	4.65926	0.2869712	0.18624033	3.0368282	21	10 25.8	19.4
246867 2057 T–2	16.9	X	180.30978	135.75203	231.63732	1.70765	0.2027148	0.25795856	2.4440087	21	3 6.3	21.0
246868 1366 T–3	15.4	X	179.14917	24.45340	349.66211	10.80383	0.1315639	0.16971344	3.2309127	21	3 18.9	20.5
246869 4583 T–3	15.5	X	343.43921	338.79176	41.61822	11.39438	0.0698378	0.17918902	3.1159833	21	10 18.3	19.5
246870 1993 RX_{14}	17.2	X	172.09040	51.16999	308.91457	1.03611	0.2257118	0.22945513	2.6424343	21	2 23.4	21.7
246871 1993 TL_{14}	16.4	X	206.36455	179.40558	170.36875	3.66601	0.2785485	0.23203573	2.6228058	21	3 9.9	21.1
246872 1993 TK_{23}	15.6	X	273.34629	61.14238	30.71810	13.54737	0.2651378	0.17209393	3.2010492	21	9 14.7	20.2
246873 1994 PQ_{7}	16.4	X	356.30307	195.70025	142.87038	1.39862	0.2601370	0.18361619	3.0656935	21	9 20.3	19.1
246874 1994 UE_{7}	15.8	X	327.96237	337.79120	358.89626	2.57102	0.2574930	0.17817425	3.1278033	21	7 6.6	18.9
246875 1994 WR_{6}	15.0	X	62.23729	220.21863	81.05774	18.49696	0.0593228	0.18044637	3.1014916	21	10 31.6	19.6
246876 1994 XH_{2}	15.9	X	2.55526	149.72913	175.13808	9.21283	0.1963338	0.17907968	3.1172515	21	9 8.7	19.2
246877 1995 DZ_{2}	16.5	X	63.93499	284.91794	278.06233	22.38341	0.2411342	0.27088250	2.3656405	21	7 18.0	19.3
246878 1995 OY_{5}	16.2	X	332.86160	197.24963	132.08593	3.23808	0.2049330	0.18802806	3.0175486	21	7 12.9	19.4
246879 1995 SB_{19}	16.1	X	197.53215	190.20381	12.60697	12.31616	0.1287654	0.23241304	2.6199664	21	11 22.5	20.2
246880 1995 SR_{54}	17.2	X	305.51566	222.57465	144.10084	1.41448	0.2250132	0.26312730	2.4118971	21	7 12.6	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
246881 1995 TZ_2	15.5	X	42.52122	304.08360	5.81722	9.86401	0.0809868	0.19061294	2.9902062	21	10 12.1	19.6
246882 1996 BB_{11}	16.1	X	249.65671	328.16330	295.28684	14.36622	0.1374222	0.23274729	2.6174575	21	1 5.9	20.3
246883 1996 BF_{12}	16.2	X	284.91369	323.63007	352.55629	8.46657	0.1780147	0.24272248	2.5452438	21	4 8.5	19.8
246884 1996 EJ_{15}	15.3	X	19.89615	16.74364	344.82069	16.95545	0.0509925	0.18006158	3.1059086	21	11 3.9	19.8
246885 1996 GV_8	15.9	X	196.20604	337.33868	39.71803	8.70374	0.1445451	0.19754340	2.9198533	21	4 7.7	20.6
246886 1996 XY_4	16.4	X	3.90973	92.13291	271.06703	8.64058	0.2708631	0.27732120	2.3288812	21	12 12.2	18.2
246887 1996 XK_{28}	16.3	X	31.75646	94.65080	296.50102	0.70028	0.0870124	0.20093904	2.8868652	21	—	—
246888 1997 CE_{14}	15.3	X	14.01756	265.33704	328.06118	13.74242	0.2123427	0.16953589	3.2331680	21	5 22.1	19.0
246889 1997 EB_7	15.6	X	193.25399	282.11296	187.63729	11.54689	0.1620756	0.17900737	3.1180909	21	7 22.8	20.9
246890 1997 EF_{15}	15.6	X	269.12702	22.13577	358.48875	24.88357	0.1116030	0.17512726	3.1639787	21	6 30.9	20.6
246891 1997 JY_{10}	12.8	X	325.35438	183.73260	118.40004	18.80751	0.0305348	0.08453970	5.1415682	21	6 16.9	19.6
246892 1997 NU_5	16.7	X	141.24985	158.75731	226.80068	1.92873	0.2732853	0.22744455	2.6579840	21	3 3.2	21.0
246893 1997 QB_1	17.3	X	163.79720	143.31109	167.37616	3.70036	0.1983851	0.30701696	2.1761783	21	—	—
246894 1997 SM_6	15.6	X	61.01783	129.80873	349.09866	11.39836	0.0860966	0.18704837	3.0280760	21	3 4.9	19.5
246895 1997 SP_8	16.3	X	196.97462	312.58506	327.46839	3.10407	0.0676989	0.21956922	2.7211662	21	—	—
246896 1997 SV_9	16.4	X	34.64801	84.61927	329.80435	4.56615	0.0411266	0.21529600	2.7570549	21	—	—
246897 1997 SH_{15}	17.3	X	75.31613	141.13232	225.70757	4.65914	0.1911825	0.29840939	2.2178273	21	—	—
246898 1997 SB_{31}	16.1	X	229.18080	303.18595	326.70603	12.08379	0.1312454	0.22846198	2.6500868	21	—	—
246899 1997 TB_5	15.9	X	201.42299	327.94180	327.41972	10.73096	0.1782318	0.22732779	2.6588940	21	1 2.6	20.4
246900 1997 WB_{18}	16.0	X	236.22669	39.13553	34.04497	16.11936	0.1135801	0.19649819	2.9301983	21	7 31.8	20.7
246901 1997 WW_{55}	15.3	X	96.90884	327.61240	49.16310	11.35241	0.2076759	0.17612314	3.1520403	21	1 6.7	19.6
246902 1998 DT_{19}	15.6	X	111.42675	164.58853	1.92687	18.80124	0.1096280	0.18093528	3.0959020	21	7 18.3	20.5
246903 1998 DA_{22}	16.0	X	62.40432	170.68611	149.66294	12.91170	0.2154716	0.23708278	2.5854494	21	12 17.3	20.1
246904 1998 FD_{10}	16.1	X	274.86424	164.73782	354.67298	12.63502	0.1401176	0.24188207	2.5511359	21	—	—
246905 1998 FH_{20}	15.9	X	41.55037	49.71840	164.67173	21.28976	0.2095978	0.26233274	2.4167648	21	6 23.8	18.8
246906 1998 HL_{10}	15.8	X	110.16764	75.28321	21.24694	19.86520	0.1807365	0.17392235	3.1785749	21	4 21.3	20.6
246907 1998 KC_3	16.0	X	104.84680	83.67989	189.76507	15.02897	0.1796296	0.22810507	2.6528504	21	11 26.7	20.5
246908 1998 MU_1	15.5	X	310.13543	206.20218	111.35977	6.13698	0.1759895	0.17276553	3.1927480	21	5 23.9	19.7
246909 1998 QV_4	16.1	X	247.57422	353.03257	308.09066	12.45319	0.2076092	0.24256284	2.5463604	21	2 10.6	20.4
246910 1998 QZ_5	16.3	X	238.10282	6.75020	5.04297	5.12024	0.2704340	0.24452589	2.5327140	21	4 26.1	20.6
246911 1998 QY_{96}	15.1	X	173.33735	114.87631	321.76839	29.75547	0.3576440	0.24258836	2.5461818	21	5 26.4	20.5
246912 1998 RB_{41}	16.2	X	259.22705	355.93991	342.13529	9.31015	0.1446807	0.24605370	2.5222190	21	4 10.6	20.1
246913 Slocum	16.4	X	208.14576	96.47051	281.89818	12.15212	0.2201448	0.24349419	2.5398631	21	4 7.9	21.0
246914 1998 SZ_{124}	17.1	X	200.45120	219.53810	129.94884	2.48977	0.1909478	0.28202982	2.3028874	21	2 27.9	20.7
246915 1998 UK_5	16.7	X	200.42117	196.60546	187.41572	7.09304	0.1828430	0.24088948	2.5581391	21	4 15.5	21.0
246916 1998 UZ_5	15.4	X	114.99076	130.30601	203.85813	23.18022	0.1577697	0.18169537	3.0872619	21	—	—
246917 1998 UR_{18}	15.9	X	226.99635	141.92438	254.52582	6.48321	0.2237291	0.24348362	2.5399366	21	5 21.2	20.1
246918 1998 UN_{27}	15.6	X	305.06772	247.35987	83.75558	6.37036	0.2855619	0.20614641	2.8380423	21	5 14.5	19.4
246919 1998 UB_{42}	17.3	X	190.86976	199.03709	191.09281	5.11618	0.2659666	0.24046059	2.5611800	21	4 15.5	21.9
246920 1998 WY_3	15.6	X	131.86132	126.46677	232.72036	28.01529	0.3019647	0.22965755	2.6408814	21	1 16.7	20.2
246921 1998 WT_{10}	16.1	X	64.55250	204.26743	240.58245	12.03730	0.2399625	0.22787415	2.6546423	21	1 27.2	18.8
246922 1998 WR_{34}	15.3	X	137.43119	341.37858	52.92811	15.76710	0.1380576	0.18924862	3.0045601	21	3 10.8	20.1
246923 1998 XW_{11}	16.2	X	228.58227	295.54625	97.74450	10.48248	0.3248444	0.24330175	2.5412023	21	5 16.6	20.9
246924 1999 AJ_1	15.9	X	196.11860	140.40529	293.05693	3.18480	0.2567630	0.23965279	2.5669322	21	6 10.6	20.4
246925 1999 BG_3	15.5	X	8.19531	85.17799	80.82749	26.36307	0.2208816	0.17974895	3.1095090	21	2 12.4	19.3
246926 1999 BO_{11}	16.0	X	57.18578	184.52481	335.87431	7.99342	0.2264779	0.18357734	3.0661261	21	5 7.8	19.7
246927 1999 BF_{32}	16.2	X	15.91404	58.28510	83.46408	2.25698	0.1428836	0.17933244	3.1143217	21	1 24.7	19.9
246928 1999 CV_2	15.6	X	77.21163	229.37339	326.00334	11.05603	0.0637145	0.19058480	2.9905005	21	7 2.5	19.8
246929 1999 CW_{129}	16.5	X	48.61618	323.74659	105.11601	6.26106	0.0497262	0.21936480	2.7228565	21	—	—
246930 1999 ET_{14}	15.7	X	191.32629	328.15382	338.64418	8.47917	0.0630855	0.17391101	3.1787132	21	1 11.6	20.5
246931 1999 HE_7	16.4	X	280.49049	163.16325	58.18450	0.85983	0.0148327	0.21264656	2.7799083	21	1 1.7	20.2
246932 1999 JR_5	16.9	X	69.18530	206.57320	67.78440	13.43015	0.2489276	0.27886830	2.3202598	21	11 8.4	20.3
246933 1999 LN_5	16.7	X	92.61222	116.36579	109.90866	22.43872	0.2480784	0.27856323	2.3219535	21	10 8.5	20.8
246934 1999 PL	15.9	X	59.93420	136.89034	262.51733	14.86573	0.2899442	0.23652335	2.5895246	21	—	—
246935 1999 RB_8	17.0	X	336.06629	34.94799	8.68106	8.87070	0.1124756	0.27239034	2.3569023	21	11 21.9	19.5
246936 1999 RT_{13}	15.0	X	342.21189	312.48343	347.78201	26.72076	0.2456959	0.17599098	3.1536181	21	6 16.2	18.9
246937 1999 RF_{15}	15.5	X	351.13169	359.05358	348.13079	7.33513	0.1665673	0.17950753	3.1122963	21	9 15.7	18.8
246938 1999 RU_{17}	16.5	X	31.50175	304.12415	340.72877	11.80206	0.2360451	0.26981109	2.3718990	21	9 24.5	18.8
246939 1999 RX_{30}	16.8	X	56.30323	243.66859	318.66790	16.12233	0.0639023	0.34974605	1.9951130	21	6 1.9	19.0
246940 1999 RK_{51}	16.6	X	2.01456	114.67909	230.17549	1.62560	0.2240681	0.27220796	2.3579550	21	10 30.6	18.4
246941 1999 RF_{100}	14.8	X	317.62615	15.96664	300.41842	29.05317	0.1906448	0.17491799	3.1665017	21	5 30.3	19.3
246942 1999 RV_{101}	16.7	X	351.17416	150.98975	232.48216	3.89387	0.2497624	0.27320348	2.3522234	21	12 11.9	18.5
246943 1999 RF_{106}	16.3	X	253.36233	85.37393	304.01051	5.34637	0.1400917	0.26141755	2.4224020	21	6 14.7	19.8
246944 1999 RD_{109}	16.0	X	287.97482	157.92037	191.00547	8.04585	0.3082111	0.21635106	2.7480842	21	5 12.8	20.1
246945 1999 RP_{116}	15.1	X	355.85129	60.37581	300.18819	18.22463	0.3030939	0.18168808	3.0873445	21	10 13.3	18.2
246946 1999 RC_{133}	15.4	X	326.37682	24.82906	317.39392	14.09981	0.2725644	0.17672957	3.1448257	21	7 10.9	18.8
246947 1999 RW_{141}	16.0	X	33.70655	130.06952	204.63641	2.82908	0.2625879	0.18457990	3.0550134	21	11 27.7	19.9
246948 1999 RB_{142}	17.1	X	332.83631	184.03274	143.70482	3.20117	0.2497105	0.26576136	2.3959339	21	7 4.7	18.9
246949 1999 RE_{149}	17.0	X	327.57774	358.93733	340.22300	5.54165	0.2967298	0.26675517	2.3899794	21	7 2.9	18.7
246950 1999 RY_{185}	16.9	X	319.72092	327.48697	7.91361	1.55604	0.2061141	0.26511530	2.3998247	21	6 24.5	19.2
246951 1999 RL_{191}	14.7	X	193.95369	279.03544	38.44650	17.08838	0.1450427	0.15373644	3.4510520	21	2 5.1	20.5
246952 1999 RC_{201}	16.3	X	347.64088	47.22503	312.63208	13.39209	0.2224397	0.26969684	2.3725688	21	10 9.0	18.4
246953 1999 RU_{201}	15.3	X	5.44761	60.16178	279.97635	12.37979	0.2028163	0.17956438	3.1116394	21	9 29.9	19.0
246954 1999 RH_{209}	15.0	X	318.04847	163.08951	209.75424	17.77243	0.1649993	0.17532399	3.1616113	21	8 13.2	19.3
246955 1999 RV_{219}	16.3	X	302.03482	137.19349	243.69809	5.57579	0.1443245	0.26670348	2.3902882	21	8 9.3	18.9
246956 1999 RA_{242}	16.9	X	9.19982	128.95363	165.28145	3.98564	0.1769097	0.26714093	2.3876780	21	8 15.9	18.6
246957 1999 SA_4	16.0	X	16.32891	147.99235	191.18609	11.69952	0.1939698	0.22605890	2.6688345	21	11 5.8	18.9
246958 1999 SG_{21}	15.5	X	256.65474	284.82929	214.72751	7.18387	0.0881818	0.18231367	3.0802779	21	11 12.9	19.6
246959 1999 TV_3	17.2	X	274.32377	226.80308	146.52333	4.43220	0.2299652	0.26106106	2.4246068	21	6 6.4	20.5
246960 1999 TS_{20}	14.9	X	7.70238	120.72551	239.23838	9.01620	0.1050623	0.18060802	3.0996408	21	10 27.2	18.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
246961 1999 TT_{38}	15.2	X	304.92710	6.43506	11.62572	20.91495	0.1604405	0.17434154	3.1734778	21	8 15.7	19.6
246962 1999 TS_{39}	16.6	X	286.52821	199.86762	162.08683	10.36236	0.2767420	0.26118260	2.4238545	21	5 31.1	20.1
246963 1999 TG_{45}	17.1	X	358.83295	331.72046	307.34385	1.78129	0.1642394	0.26115295	2.4240380	21	6 25.7	18.8
246964 1999 TG_{61}	16.6	X	187.86601	274.88056	354.53052	10.75389	0.2843591	0.24275837	2.5449929	21	—	—
246965 1999 TS_{70}	15.1	X	359.58864	158.48453	26.15749	18.59019	0.0904209	0.15455920	3.4387938	21	3 10.2	19.8
246966 1999 TX_{79}	17.5	X	332.69972	228.22342	66.90136	2.07869	0.1828826	0.26122062	2.4236193	21	5 21.7	19.7
246967 1999 TY_{106}	15.5	X	87.73286	94.42192	225.60121	15.47763	0.3046578	0.23555581	2.5966106	21	—	—
246968 1999 TU_{125}	16.8	X	320.77105	354.00013	335.23174	5.26387	0.2178593	0.26344110	2.4099814	21	6 14.3	19.2
246969 1999 TV_{135}	15.3	X	353.58091	190.94830	202.15672	9.28174	0.0908465	0.18176264	3.0865001	21	11 18.5	19.2
246970 1999 TX_{138}	16.9	X	285.02465	30.04389	0.71792	1.90294	0.2113805	0.26329998	2.4108424	21	7 17.9	19.6
246971 1999 TB_{149}	14.9	X	326.49484	17.15144	352.95489	10.83206	0.1760230	0.17628975	3.1500541	21	8 31.9	18.5
246972 1999 TU_{150}	16.7	X	300.64433	307.68816	23.92671	5.81341	0.2038965	0.26058159	2.4275801	21	5 15.7	19.8
246973 1999 TA_{155}	17.2	X	298.28159	333.32828	37.83765	2.83132	0.2027551	0.26378997	2.4078561	21	7 11.5	19.8
246974 1999 TW_{155}	16.4	X	279.75735	273.31469	100.63244	4.14732	0.1865458	0.26079912	2.4262300	21	6 19.9	19.5
246975 1999 TO_{170}	16.8	X	309.44903	308.67925	22.04936	5.93407	0.2161407	0.26153100	2.4217015	21	5 25.9	19.7
246976 1999 TY_{190}	17.4	X	262.23553	79.86026	314.02672	8.63028	0.2566861	0.26073624	2.4266200	21	6 16.8	21.1
246977 1999 TO_{220}	15.0	X	324.57166	231.14689	214.59991	15.92173	0.1946012	0.18317972	3.0705614	21	12 7.5	18.4
246978 1999 TB_{221}	16.7	X	250.82735	140.16148	274.90085	9.14707	0.2115761	0.26244666	2.4160654	21	7 7.7	20.1
246979 1999 TA_{230}	15.7	X	345.48327	162.84657	214.32505	16.78786	0.2483351	0.17915106	3.1164234	21	10 16.9	18.6
246980 1999 TQ_{246}	16.1	X	69.45064	100.80960	185.00287	11.27734	0.1711824	0.22847738	2.6499677	21	11 6.3	19.9
246981 1999 TG_{247}	15.4	X	340.56157	163.24505	214.31584	17.02851	0.2103318	0.17612363	3.1520345	21	10 3.5	18.7
246982 1999 TM_{254}	15.1	X	318.30614	303.67313	97.50176	11.26070	0.2229057	0.17639254	3.1488302	21	9 27.1	18.7
246983 1999 TW_{254}	16.7	X	351.99255	227.49686	314.46782	2.66950	0.0985165	0.24508117	2.5288869	21	1 25.9	19.8
246984 1999 TM_{269}	16.5	X	339.42509	58.97040	276.03126	7.72574	0.1661984	0.26575000	2.3960021	21	8 10.3	18.6
246985 1999 TZ_{270}	16.6	X	334.36424	90.99606	235.64567	8.04352	0.2489052	0.26458240	2.4030460	21	7 5.7	18.3
246986 1999 TL_{274}	15.0	X	305.42377	44.75287	328.60999	13.86531	0.2491715	0.17693541	3.1423861	21	7 19.7	19.0
246987 1999 TW_{291}	14.4	X	273.67405	226.00318	227.50963	26.00582	0.1566373	0.17274699	3.1929765	21	9 20.7	19.3
246988 1999 TA_{307}	15.7	X	300.28225	192.10460	155.49235	11.65288	0.2094429	0.17539882	3.1607121	21	6 12.4	20.1
246989 1999 TP_{320}	16.4	X	258.00266	110.07693	256.16665	5.18367	0.1699039	0.25783705	2.4447765	21	5 15.9	20.1
246990 1999 UO_{27}	16.0	X	58.80984	345.30350	0.11868	5.83186	0.0809144	0.18686603	3.0300455	21	12 15.9	20.3
246991 1999 UY_{40}	15.7	X	307.06962	56.41261	23.01726	15.64664	0.2288626	0.17814006	3.1282034	21	10 19.7	19.2
246992 1999 UT_{41}	14.9	X	278.26327	82.59423	8.17258	24.00610	0.3275361	0.17255265	3.1953735	21	9 12.1	19.6
246993 1999 US_{52}	16.7	X	279.17413	209.83699	162.62907	7.75072	0.2546937	0.26038651	2.4287924	21	6 7.9	20.1
246994 1999 UF_{53}	16.3	X	270.01458	74.93158	311.27372	5.51384	0.2406819	0.26213015	2.4180098	21	6 16.8	19.7
246995 1999 UU_{58}	16.7	X	278.97849	48.20253	333.16852	6.58827	0.2391825	0.26137497	2.4226651	21	6 21.3	20.0
246996 1999 UQ_{60}	15.4	X	318.10522	63.07637	327.77475	25.61169	0.3344184	0.17539091	3.1608072	21	8 19.7	18.5
246997 1999 VG_{9}	14.9	X	334.28022	158.42266	221.67748	9.75522	0.2241088	0.17529848	3.1619180	21	9 21.6	18.3
246998 1999 VG_{16}	16.7	X	162.85972	345.16007	228.20890	7.95091	0.0756597	0.22567152	2.6718878	21	11 4.8	20.6
246999 1999 VN_{41}	16.1	X	9.33308	178.79286	199.23631	4.47924	0.1998730	0.18358569	3.0660331	21	12 5.2	19.6
247000 1999 VZ_{43}	16.9	X	272.87007	125.94900	245.55522	1.69793	0.2068971	0.26025069	2.4296373	21	6 4.7	20.4
247001 1999 VL_{60}	16.1	X	200.12417	20.06975	44.02137	9.00431	0.2221446	0.20946526	2.8079845	21	6 2.5	21.0
247002 1999 VF_{64}	15.0	X	262.46438	75.33577	47.56347	17.96352	0.1585164	0.17794660	3.1304702	21	10 23.6	19.4
247003 1999 VJ_{79}	15.4	X	26.24753	282.46173	43.72396	11.06425	0.1189653	0.17755659	3.1350528	21	10 17.0	19.4
247004 1999 VF_{106}	16.9	X	306.52964	312.80512	21.96383	1.45417	0.2071890	0.25918386	2.4362999	21	5 29.9	19.5
247005 1999 VQ_{120}	16.4	X	5.03246	299.27233	58.24880	5.00726	0.1063535	0.22531436	2.6747106	21	10 30.4	19.5
247006 1999 VK_{127}	17.3	X	282.72061	188.82549	183.37966	3.05753	0.2208922	0.26208153	2.4183089	21	6 16.1	20.3
247007 1999 VG_{144}	14.9	X	316.58916	160.11653	253.50600	8.35255	0.0759606	0.17743180	3.1365225	21	10 15.6	19.0
247008 1999 VY_{147}	15.1	X	301.63368	147.00944	223.13444	10.56956	0.1488692	0.17252674	3.1956934	21	7 19.2	19.4
247009 1999 VG_{154}	16.7	X	266.66959	327.44960	44.13825	5.43394	0.0266581	0.21187237	2.7866761	21	6 24.6	20.6
247010 1999 VM_{178}	15.8	X	345.94802	295.57499	78.93910	10.84967	0.2320762	0.17782604	3.1318850	21	10 20.3	19.0
247011 1999 VU_{191}	16.9	X	272.17941	124.61938	221.21605	4.15008	0.2094622	0.25569755	2.4583951	21	4 30.3	20.4
247012 1999 VL_{192}	16.2	X	192.23193	136.24891	275.91300	5.42828	0.1332903	0.25308763	2.4752673	21	5 10.6	20.1
247013 1999 VU_{197}	16.5	X	311.77555	159.32138	170.74228	9.30322	0.2111838	0.26110057	2.4243622	21	6 1.9	19.3
247014 1999 VH_{201}	14.9	X	11.70125	350.52368	2.23883	16.87979	0.1013248	0.17932265	3.1144351	21	10 19.6	19.0
247015 1999 VG_{218}	15.1	X	352.01931	292.31922	74.40357	13.02322	0.2373005	0.17731372	3.1379149	21	10 24.0	18.3
247016 1999 WE_{12}	15.7	X	102.72629	157.06485	247.56928	9.85452	0.1100187	0.19279061	2.9676462	21	1 26.5	19.8
247017 1999 XQ_{9}	16.6	X	286.57839	82.48386	228.20468	5.52830	0.1413678	0.25246217	2.4793539	21	4 8.4	19.9
247018 1999 XE_{48}	15.0	X	319.28888	314.21183	66.50809	23.11169	0.0989749	0.17252986	3.1956548	21	9 22.4	19.6
247019 1999 XJ_{55}	12.3	X	2.33782	297.06074	67.32141	36.68677	0.0237833	0.08516512	5.1163653	21	10 27.6	19.4
247020 1999 XM_{108}	15.4	X	322.51295	357.44519	54.30907	9.34914	0.1796526	0.17717426	3.1395612	21	10 20.7	18.9
247021 1999 XH_{199}	15.3	X	176.98819	5.33967	50.69300	16.15712	0.1287164	0.20310612	2.8662938	21	5 5.5	19.9
247022 1999 XW_{200}	15.1	X	67.96751	213.48667	309.07414	8.78681	0.1719076	0.24400176	2.5363397	21	5 15.3	18.2
247023 1999 XG_{238}	16.9	X	285.13274	285.69925	74.75367	3.25012	0.2218497	0.25834653	2.4415613	21	6 2.6	20.1
247024 1999 XR_{255}	16.1	X	12.50151	46.22871	96.22775	6.49785	0.1208169	0.23409637	2.6073916	21	1 5.2	19.1
247025 1999 YL_{7}	16.6	X	36.98748	68.28625	80.68176	11.97384	0.0667092	0.24277954	2.5448449	21	3 1.7	19.8
247026 1999 YX_{16}	16.2	X	257.47037	329.68595	302.81398	8.00380	0.0757960	0.23588039	2.5942281	21	1 27.1	19.8
247027 2000 AV_{25}	15.3	X	313.11910	106.22976	294.75084	13.00541	0.2735527	0.17130174	3.2109105	21	8 26.9	19.0
247028 2000 AZ_{70}	15.0	X	339.60340	120.01091	243.24279	11.50210	0.3335669	0.17427669	3.1742650	21	8 29.9	17.8
247029 2000 AX_{92}	17.1	X	234.98419	51.58784	292.47111	20.61351	0.1409347	0.38320379	1.8772244	21	2 28.8	20.1
247030 2000 AS_{140}	15.8	X	93.88630	312.19238	118.95565	28.60534	0.1488651	0.23735275	2.5834886	21	2 20.4	19.2
247031 2000 AW_{214}	15.6	X	298.46656	315.94094	92.59510	2.78907	0.1683658	0.17105190	3.2140363	21	9 4.1	19.6
247032 2000 BY_{12}	15.5	X	172.81874	20.56603	344.71469	2.87199	0.0899741	0.14391705	3.6062948	21	3 5.1	21.1
247033 2000 BN_{43}	16.4	X	242.59067	313.28218	310.16580	4.61652	0.2182564	0.23015755	2.6370553	21	—	—
247034 2000 CH_{76}	16.0	X	20.87349	207.05835	335.49247	6.12916	0.0530213	0.23826211	2.5769108	21	3 15.9	19.2
247035 2000 DY_{24}	16.6	X	9.96741	90.49383	154.69531	9.40311	0.1839539	0.28768442	2.2726112	21	5 25.9	18.4
247036 2000 EA_{31}	17.2	X	132.43142	117.89279	35.64344	6.87692	0.1140447	0.29302087	2.2449345	21	7 23.8	20.4
247037 2000 EF_{72}	15.9	X	251.75285	299.07633	330.27619	13.55663	0.0962368	0.23096317	2.6309195	21	1 19.7	19.9
247038 2000 ET_{83}	16.2	X	19.88283	189.60587	24.11290	14.10424	0.1786235	0.23775702	2.5805591	21	4 27.7	18.4
247039 2000 ET_{111}	15.2	X	48.32472	76.78527	328.00143	10.71594	0.1328995	0.18000296	3.1065829	21	—	—
247040 2000 EQ_{116}	15.0	X	8.69966	263.51239	162.61165	17.72680	0.0745846	0.17463785	3.1698871	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
247041 2000 FJ_1	14.6	X	283.75891	75.86543	100.88290	26.80806	0.1946127	0.17629855	3.1499492	21	—	—
247042 2000 FB_{55}	15.9	X	252.64812	46.49502	136.15825	12.29418	0.1219604	0.21663935	2.7456457	21	—	—
247043 2000 GS_{11}	15.2	X	253.59866	323.34008	7.10207	26.96331	0.1028547	0.23599223	2.5934084	21	4 1.2	19.0
247044 2000 GA_{24}	15.9	X	298.30090	267.07789	8.10216	3.84049	0.1950086	0.18469663	3.0537260	21	3 10.9	20.2
247045 2000 GL_{156}	15.9	X	316.83069	198.35880	21.75215	10.40991	0.0233062	0.18235383	3.0798256	21	2 22.7	20.3
247046 2000 GZ_{159}	16.4	X	242.23373	220.24993	358.58732	10.87517	0.1722005	0.26486202	2.4013544	21	—	—
247047 2000 HB_{51}	15.7	X	15.91113	322.49790	231.37151	13.87506	0.1112451	0.23141764	2.6274739	21	3 19.6	18.8
247048 2000 HJ_{101}	15.4	X	272.96582	158.13698	14.67676	17.70455	0.1775467	0.17338725	3.1851113	21	12 30.5	19.9
247049 2000 HY_{101}	15.1	X	14.18801	62.07858	104.38173	10.66082	0.0752002	0.18058739	3.0998768	21	2 27.8	19.2
247050 2000 JR_{31}	15.7	X	346.95491	316.78296	225.22200	13.92000	0.1335336	0.18043054	3.1016730	21	1 24.6	20.0
247051 2000 LZ	15.7	X	167.26728	94.53096	235.09821	11.28504	0.1928076	0.21558856	2.7545600	21	1 12.2	20.3
247052 2000 LP_2	15.9	X	175.75101	47.36942	224.59113	12.71704	0.1765216	0.21256944	2.7805806	21	—	—
247053 2000 NV_{19}	15.4	X	340.03043	146.80214	138.23451	14.35486	0.1723207	0.18334696	3.0686940	21	6 1.3	19.2
247054 2000 OJ_{53}	16.4	X	128.01726	98.69270	245.96821	6.49775	0.2026157	0.30051535	2.2074537	21	—	—
247055 2000 OD_{56}	17.1	X	138.89543	51.64186	306.95451	3.81202	0.2003048	0.30496371	2.1859351	21	1 6.0	19.5
247056 2000 QW_1	16.0	X	102.13892	102.44320	268.40782	22.66299	0.2676402	0.29811133	2.2193054	21	—	—
247057 2000 QO_{40}	17.6	X	49.85701	196.41789	184.68223	0.85173	0.2384120	0.29421646	2.2388487	21	—	—
247058 2000 QV_{62}	15.1	X	265.11825	210.08509	146.68805	18.19782	0.2181603	0.17797610	3.1301243	21	5 16.0	20.3
247059 2000 QC_{80}	16.0	X	357.11684	22.95517	340.59770	12.40110	0.2866553	0.23722599	2.5844088	21	11 12.0	18.3
247060 2000 QC_{99}	15.9	X	72.94685	312.37120	10.91806	11.62294	0.3196362	0.19716470	2.9235910	21	—	—
247061 2000 QF_{100}	16.2	X	278.71582	181.14733	154.59819	12.49065	0.2595249	0.22463003	2.6801402	21	4 24.5	20.5
247062 2000 QN_{115}	17.8	X	50.23567	84.76394	280.65986	1.88172	0.2680173	0.29211747	2.2495606	21	—	—
247063 2000 QY_{124}	15.4	X	240.07275	224.27455	141.49061	11.38588	0.2378934	0.17650506	3.1474919	21	5 1.4	20.8
247064 2000 QE_{156}	15.3	X	346.59739	167.41785	179.02365	14.89877	0.1069104	0.18857725	3.0116872	21	9 6.2	18.9
247065 2000 QZ_{218}	15.7	X	198.76443	334.06541	320.24551	20.10110	0.1209738	0.21186787	2.7867156	21	1 1.6	20.3
247066 2000 RV_{16}	17.1	X	95.45815	56.32926	266.03880	5.02222	0.2338696	0.29448994	2.2374624	21	—	—
247067 2000 RS_{25}	15.7	X	276.31193	350.13059	334.93342	10.04516	0.2141347	0.17662000	3.1461261	21	4 9.9	20.6
247068 2000 RJ_{28}	16.9	X	134.49088	355.79490	333.37941	5.10813	0.2372393	0.29925270	2.2136587	21	—	—
247069 2000 RM_{31}	16.7	X	50.10684	122.63818	247.83402	3.86709	0.1886218	0.29176970	2.2513478	21	—	—
247070 2000 RN_{80}	15.2	X	236.33697	31.59506	319.80933	13.16112	0.1501918	0.17359465	3.1825738	21	4 6.8	20.5
247071 2000 RG_{83}	15.3	X	322.01817	145.14779	255.50921	8.58890	0.1218019	0.18854857	3.0119925	21	10 4.6	19.0
247072 2000 RH_{87}	17.0	X	96.17078	334.21011	347.85155	5.74351	0.2016908	0.29356175	2.2421762	21	—	—
247073 2000 RB_{89}	16.7	X	356.72179	87.77212	297.76593	7.30245	0.1303417	0.28732684	2.2744964	21	12 11.5	19.0
247074 2000 RN_{104}	14.7	X	287.07971	69.24348	260.03152	12.08725	0.3131211	0.17805831	3.1291608	21	4 14.3	19.8
247075 2000 SB_2	15.0	X	220.30927	34.95357	352.36229	28.99645	0.2736426	0.17554367	3.1589731	21	4 21.3	21.0
247076 2000 SM_{15}	15.3	X	305.67030	152.30117	222.51823	9.31190	0.0994963	0.18409146	3.0604148	21	8 7.2	19.4
247077 2000 SD_{40}	17.2	X	48.99390	167.60339	153.82881	7.74729	0.2529558	0.28719556	2.2751895	21	12 17.2	20.5
247078 2000 SQ_{40}	16.6	X	110.06564	354.51107	325.27173	9.82495	0.1359753	0.29384750	2.2407224	21	—	—
247079 2000 SE_{52}	17.5	X	85.46864	340.65812	325.55889	6.02087	0.1912663	0.29070552	2.2568388	21	12 27.7	21.0
247080 2000 SV_{56}	16.4	X	328.34256	133.44836	187.22658	1.24168	0.2653452	0.18340260	3.0680733	21	6 12.5	19.7
247081 2000 SS_{72}	17.0	X	7.39810	275.65879	133.62237	4.87204	0.2190520	0.28874901	2.2670219	21	—	—
247082 2000 ST_{73}	16.0	X	7.96146	1.44747	29.90610	15.16903	0.1138435	0.24008537	2.5638478	21	12 21.9	19.3
247083 2000 SQ_{83}	15.4	X	342.33599	243.13356	160.15029	9.11367	0.0844197	0.19016948	2.9948529	21	11 17.3	19.3
247084 2000 SB_{115}	17.1	X	72.58513	355.90744	19.05770	6.70896	0.1852850	0.29424603	2.2386986	21	—	—
247085 2000 ST_{136}	17.0	X	194.18869	62.27432	304.27535	4.19561	0.1247732	0.26265096	2.4148124	21	3 13.5	20.7
247086 2000 SZ_{137}	17.0	X	4.40668	53.95316	332.83137	6.12623	0.1828294	0.28680574	2.2772506	21	—	—
247087 2000 SC_{145}	17.3	X	77.98993	90.00746	228.09872	2.28981	0.2846533	0.29084324	2.2561263	21	—	—
247088 2000 SS_{146}	17.1	X	44.43329	147.25465	207.00638	5.39255	0.1737127	0.28859339	2.2678368	21	—	—
247089 2000 SP_{163}	15.0	X	101.73039	321.58692	28.31691	17.94597	0.2865409	0.20195287	2.8771954	21	—	—
247090 2000 SH_{165}	16.5	X	33.18999	46.67351	314.23021	9.07585	0.0452630	0.28841808	2.2687557	21	12 19.9	19.3
247091 2000 SX_{177}	14.7	X	199.02109	265.21823	347.00395	7.13212	0.1227118	0.24636162	2.5201169	21	—	—
247092 2000 SD_{187}	17.1	X	55.12258	286.58528	72.58123	6.10586	0.2386351	0.29118205	2.2543758	21	—	—
247093 2000 SJ_{223}	16.1	X	38.60355	225.52657	203.33083	7.73633	0.1972749	0.20006579	2.8952595	21	—	—
247094 2000 SJ_{249}	17.7	X	73.27876	300.21758	30.69976	6.97618	0.2279575	0.29160653	2.2521875	21	—	—
247095 2000 SK_{262}	16.2	X	43.56179	181.98177	149.60327	2.87137	0.1998448	0.19297877	2.9657169	21	11 29.4	20.2
247096 2000 ST_{290}	15.8	X	151.02625	101.72103	209.71609	6.10363	0.1227926	0.20356004	2.8620312	21	—	—
247097 2000 SL_{294}	15.6	X	5.42892	117.33885	253.05874	13.17277	0.1901072	0.18901683	3.0070159	21	11 17.2	19.0
247098 2000 SE_{299}	16.9	X	6.56969	174.73894	229.63092	4.63077	0.1294589	0.28919745	2.2646777	21	—	—
247099 2000 SH_{299}	15.9	X	272.81389	138.49768	212.08563	9.56926	0.2426997	0.17737436	3.1371996	21	5 8.8	20.6
247100 2000 SE_{305}	16.7	X	34.73109	53.23465	321.81703	5.17577	0.1831093	0.28932177	2.2640290	21	—	—
247101 2000 SL_{314}	15.5	X	306.25392	90.45852	306.56596	15.24940	0.1962357	0.18545163	3.0454323	21	8 23.5	19.4
247102 2000 SA_{315}	12.5	X	297.66098	67.65981	268.37364	17.53562	0.0698693	0.08214278	5.2411082	21	6 16.0	19.2
247103 2000 SL_{317}	15.2	X	322.76044	9.19120	290.86275	16.33688	0.1891808	0.18062628	3.0994318	21	5 13.0	19.3
247104 2000 SY_{345}	17.4	X	70.65464	64.55521	293.98796	3.11123	0.1170804	0.29439464	2.2379452	21	—	—
247105 2000 SQ_{348}	15.7	X	338.29084	275.67564	96.47534	9.94872	0.2038823	0.18709472	3.0275759	21	10 1.9	18.9
247106 2000 TF_6	17.4	X	78.45265	300.63932	0.34607	4.05985	0.1827397	0.28873739	2.2670827	21	12 12.7	20.7
247107 2000 TE_{16}	16.0	X	313.85801	207.52014	157.02897	1.72710	0.1911476	0.18193953	3.0844992	21	7 28.0	19.5
247108 2000 TG_{58}	16.7	X	44.01156	255.05528	55.84076	6.83310	0.1563068	0.28372514	2.2937047	21	11 12.6	19.2
247109 2000 TT_{59}	16.1	X	293.29532	326.75764	100.25365	12.72622	0.2758364	0.23151074	2.6267694	21	9 14.8	19.2
247110 2000 TS_{61}	17.1	X	69.06069	144.92553	179.06613	7.66062	0.1719212	0.28855047	2.2680617	21	12 31.2	20.5
247111 2000 TZ_{63}	15.3	X	1.67034	164.33455	228.28520	13.45246	0.1583529	0.19096367	2.9865438	21	12 7.5	18.8
247112 2000 UL	15.4	X	262.65224	357.35251	61.61789	10.53955	0.0901996	0.18019590	3.1043650	21	8 14.9	20.0
247113 2000 UC_{12}	16.4	X	46.72808	298.11143	55.65627	13.79746	0.2840347	0.24281399	2.5446043	21	—	—
247114 2000 UA_{23}	16.9	X	27.71802	301.68076	87.88877	2.95682	0.2285568	0.28875457	2.2669928	21	—	—
247115 2000 UY_{43}	15.4	X	46.68263	152.92534	235.90182	11.80599	0.2391817	0.19495116	2.9456796	21	—	—
247116 2000 UQ_{52}	17.2	X	348.14882	185.95213	218.33184	2.43793	0.1645431	0.28392989	2.2926018	21	12 27.8	19.2
247117 2000 UJ_{63}	16.6	X	337.74626	162.61169	230.87155	7.46942	0.1197492	0.28262210	2.2996689	21	11 15.9	18.5
247118 2000 UK_{63}	15.7	X	75.71251	135.20493	228.56290	10.30095	0.1064809	0.19677362	2.9274633	21	—	—
247119 2000 UP_{63}	16.6	X	94.11387	118.82341	239.23242	6.00623	0.1814838	0.29465884	2.2366073	21	—	—
247120 2000 UJ_{70}	17.1	X	9.88372	94.42707	294.22774	2.21338	0.2383319	0.28633997	2.2797194	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
247121 2000 UL_{74}	16.1	X	316.64988	272.75035	133.86207	11.68505	0.2936116	0.18351626	3.0668064	21	9 19.8	19.2
247122 2000 UF_{77}	15.6	X	351.60141	154.94400	211.91959	15.05346	0.2300325	0.18611084	3.0382367	21	10 18.1	18.5
247123 2000 UE_{96}	16.8	X	76.55488	48.67136	295.01009	4.61539	0.2125938	0.29064898	2.2571314	21	—	—
247124 2000 UR_{98}	16.5	X	259.02551	167.47176	259.15169	6.46210	0.2076902	0.22629915	2.6669453	21	7 30.7	20.5
247125 2000 UQ_{102}	16.2	X	261.24373	219.22401	255.78570	12.41177	0.2092808	0.23101165	2.6305514	21	10 1.7	20.1
247126 2000 UE_{103}	15.7	X	17.64335	115.89589	263.10665	8.31554	0.2170387	0.23763001	2.5814786	21	—	—
247127 2000 VA_{12}	17.3	X	24.02389	251.92676	120.83063	1.47134	0.2217427	0.28675917	2.2774971	21	—	—
247128 2000 VO_{18}	15.5	X	317.50306	197.31241	220.58126	11.91980	0.2426874	0.18437997	3.0572214	21	10 9.2	18.7
247129 2000 VQ_{33}	15.7	X	290.65471	301.79346	113.33250	5.24862	0.3587332	0.17898819	3.1183136	21	8 1.6	20.0
247130 2000 VW_{41}	16.1	X	278.78931	219.09447	251.09803	6.30644	0.1824069	0.23472961	2.6027001	21	10 29.7	19.2
247131 2000 VG_{43}	17.5	X	229.29102	15.44929	2.64955	3.11875	0.1899139	0.26636733	2.3922987	21	4 30.1	21.3
247132 2000 WV_{16}	15.2	X	302.50066	296.39551	64.19119	23.21751	0.1625246	0.17684605	3.1434445	21	7 8.0	19.6
247133 2000 WQ_{38}	15.2	X	350.10450	358.60102	89.15625	16.04959	0.1461103	0.19220813	2.9736388	21	—	—
247134 2000 WQ_{39}	14.4	X	207.91071	201.56440	244.17801	22.76092	0.1271975	0.17115588	3.2127344	21	7 5.9	19.7
247135 2000 WA_{72}	15.2	X	20.28792	135.81236	261.98340	12.61353	0.0766198	0.19200782	2.9757066	21	12 31.1	19.2
247136 2000 WS_{82}	14.5	X	273.09170	103.00046	256.58112	15.18446	0.1308532	0.17258128	3.1950201	21	6 3.1	19.2
247137 2000 WR_{92}	17.4	X	32.94085	115.26147	252.09742	2.05545	0.2023348	0.28571376	2.2830492	21	—	—
247138 2000 WY_{94}	15.4	X	264.00341	167.91702	257.16997	9.57591	0.2002643	0.17651500	3.1473737	21	8 1.5	20.2
247139 2000 WP_{104}	16.8	X	241.60444	247.96618	129.03608	5.47785	0.2521588	0.26703139	2.3883309	21	5 8.7	20.7
247140 2000 WL_{114}	16.6	X	315.79167	101.84918	286.83176	5.74767	0.2578483	0.22962448	2.6411350	21	8 27.3	19.0
247141 2000 WD_{153}	15.5	X	349.81221	90.09561	251.24254	14.30573	0.2675619	0.18179058	3.0861839	21	8 28.4	18.6
247142 2000 WR_{154}	16.5	X	331.41931	110.90961	260.21961	15.62156	0.2353969	0.23132271	2.6281927	21	9 2.8	19.3
247143 2000 WQ_{190}	17.2	X	354.69141	290.22305	107.77262	4.97985	0.1888164	0.28454103	2.2893180	21	—	—
247144 2000 WV_{190}	16.8	X	48.07433	285.17780	61.16409	7.94284	0.1430097	0.28565739	2.2833496	21	—	—
247145 2000 XG_{7}	15.5	X	346.36431	56.96459	22.26791	9.09619	0.2142190	0.19013799	2.9951836	21	—	—
247146 2000 XC_{12}	16.3	X	172.29591	43.56625	28.00057	9.25127	0.1496514	0.21446549	2.7641680	21	5 17.5	20.7
247147 2000 XX_{12}	15.1	X	267.52863	98.78926	305.72648	8.54228	0.2359559	0.17579093	3.1560102	21	7 9.9	19.8
247148 2000 XR_{14}	15.2	X	357.92961	151.05591	201.35782	19.49887	0.3783100	0.18549900	3.0449137	21	11 1.1	17.3
247149 2000 XM_{23}	15.4	X	230.61134	104.32620	326.77141	10.09029	0.2204138	0.17417750	3.1754701	21	7 9.5	20.7
247150 2000 XP_{25}	15.0	X	295.60421	116.02969	305.42757	14.30220	0.1856521	0.18027357	3.1034733	21	9 6.9	19.1
247151 2000 XR_{44}	16.1	X	70.75045	252.56876	80.95469	7.56105	0.1115770	0.18872489	3.0101162	21	12 19.9	20.5
247152 2000 XO_{46}	14.7	X	311.78402	75.39947	314.11634	20.40452	0.2566309	0.18013883	3.1050207	21	8 15.3	18.1
247153 2000 YH_{10}	14.8	X	345.38088	294.36005	78.99574	22.85061	0.1732024	0.18275130	3.0753584	21	10 24.7	18.6
247154 2000 YA_{21}	15.1	X	25.52825	203.12977	114.76052	16.17729	0.2054176	0.17776934	3.1325509	21	10 22.5	19.2
247155 2000 YL_{22}	15.5	X	168.84625	90.96114	113.18844	17.15817	0.0816898	0.17932417	3.1144175	21	11 1.8	20.6
247156 2000 YH_{29}	17.9	X	95.07153	284.79581	103.70532	21.84767	0.5271212	0.29819680	2.2188812	21	2 17.0	20.5
247157 2000 YY_{32}	16.5	X	54.41691	282.25770	99.75552	8.89063	0.2329647	0.28775211	2.2722549	21	—	—
247158 2000 YW_{38}	16.5	X	45.11137	271.87155	121.56032	4.32997	0.1789926	0.28760812	2.2730132	21	—	—
247159 2000 YK_{51}	15.3	X	28.27454	257.31226	104.18225	27.24176	0.0637965	0.23130897	2.6282967	21	12 9.4	19.0
247160 2000 YF_{54}	15.5	X	307.03562	199.31012	290.32816	29.22262	0.1915730	0.23541023	2.5976810	21	—	—
247161 2000 YZ_{66}	15.8	X	324.00050	89.47211	309.82578	9.11041	0.0379535	0.17739938	3.1369047	21	10 8.2	20.2
247162 2000 YO_{103}	16.4	X	21.08194	142.55710	285.28062	24.09012	0.2312640	0.28696578	2.2764038	21	—	—
247163 2000 YS_{123}	14.7	X	345.74266	89.42054	308.08617	16.70619	0.1667492	0.18079589	3.0974931	21	11 7.2	18.6
247164 2000 YL_{131}	15.1	X	257.33933	28.48945	15.46708	10.72576	0.2230775	0.17289145	3.1911977	21	6 30.1	20.2
247165 2000 YN_{134}	15.7	X	338.02633	118.38944	344.12923	27.62417	0.2088189	0.23443134	2.6049073	21	—	—
247166 2000 YW_{135}	16.0	X	300.06114	91.33450	319.18058	13.81313	0.2897424	0.17834806	3.1257707	21	8 18.9	19.8
247167 2001 AT_{15}	16.2	X	332.82951	339.67539	132.70743	25.55484	0.1931425	0.28394806	2.2925040	21	—	—
247168 2001 AM_{28}	14.8	X	310.42250	56.48250	319.50059	22.01817	0.3605011	0.17886168	3.1197839	21	7 14.4	18.7
247169 2001 AX_{43}	16.6	X	309.84778	97.52382	317.07202	2.59547	0.2017915	0.27594689	2.3366072	21	10 13.1	18.1
247170 2001 BY_{10}	15.3	X	356.84278	339.58195	42.53728	12.45172	0.0893261	0.18270962	3.0758261	21	11 8.1	19.2
247171 2001 BD_{15}	15.0	X	261.29177	148.77809	328.34608	12.19667	0.1634022	0.17831976	3.1261014	21	10 4.9	19.6
247172 2001 BX_{19}	16.2	X	202.04466	203.47990	257.20778	9.17810	0.2328793	0.21771595	2.7365868	21	7 17.9	21.0
247173 2001 BG_{36}	15.0	X	293.63331	172.22393	290.74080	21.64733	0.1062007	0.18165906	3.0876733	21	11 9.0	19.5
247174 2001 BS_{40}	16.1	X	203.34917	283.94126	158.59669	12.14404	0.2410024	0.21724310	2.7405563	21	6 28.2	21.0
247175 2001 BP_{80}	14.5	X	243.64909	206.90150	281.49698	26.22441	0.1097452	0.17584828	3.1553240	21	9 25.9	19.7
247176 2001 BF_{82}	16.4	X	326.13009	191.36916	286.01359	10.94883	0.1970940	0.23496605	2.6009538	21	—	—
247177 2001 CF_{18}	15.2	X	305.29030	115.06633	291.37181	5.70502	0.2694207	0.17724527	3.1387227	21	8 24.7	18.8
247178 2001 CQ_{32}	14.5	X	241.54656	121.57757	340.87095	22.99669	0.2758536	0.17475993	3.1684107	21	8 23.2	19.8
247179 2001 DC_{9}	16.3	X	338.75264	70.99050	344.59179	22.89223	0.2943661	0.27836073	2.3230795	21	—	—
247180 2001 DH_{38}	16.5	X	282.98095	131.18535	285.69577	6.39019	0.2387473	0.27231257	2.3573510	21	8 15.1	19.1
247181 2001 DC_{51}	15.9	X	330.62011	132.63797	342.07956	28.45878	0.1368901	0.23490991	2.6013682	21	—	—
247182 2001 DT_{60}	15.6	X	268.51301	151.91972	317.67477	3.98522	0.1108754	0.17828229	3.1265395	21	10 15.8	19.9
247183 2001 DP_{87}	14.9	X	256.29991	63.96772	156.28001	30.65120	0.2900914	0.23061560	2.6335623	21	—	—
247184 2001 DJ_{91}	16.4	X	237.58734	100.92127	325.56259	7.63565	0.0544832	0.26394040	2.4069411	21	7 28.9	19.5
247185 2001 EQ_{2}	16.1	X	329.81832	101.03267	96.58628	8.83589	0.1075393	0.24167436	2.5525975	21	1 14.4	19.4
247186 2001 EO_{18}	14.9	X	215.62398	151.80527	356.99692	15.77567	0.0461703	0.17431215	3.1738344	21	10 7.3	19.6
247187 2001 FK_{109}	16.7	X	260.48881	72.62226	170.81419	4.86359	0.2411643	0.23470552	2.6028782	21	—	—
247188 2001 FP_{115}	16.4	X	113.72340	180.37762	34.23470	4.78586	0.2580580	0.21296143	2.7771675	21	9 28.7	21.1
247189 2001 KV_{15}	16.1	X	283.54395	323.78164	219.98242	12.87093	0.2462426	0.22958342	2.6414498	21	—	—
247190 2001 KA_{39}	16.5	X	288.27135	194.75657	88.57891	16.07011	0.2751017	0.23764789	2.5813491	21	2 27.4	20.8
247191 2001 LY_{8}	15.9	X	76.64466	88.25335	221.21658	12.19037	0.1711991	0.21251139	2.7810870	21	12 8.6	20.2
247192 2001 MN_{31}	15.8	X	229.90914	313.34366	310.05829	12.98842	0.1291117	0.22474133	2.6792552	21	—	—
247193 2001 NQ_{3}	16.5	X	153.96249	20.39383	313.84012	3.86438	0.1869871	0.22185219	2.7024660	21	1 6.6	20.5
247194 2001 NR_{11}	15.7	X	322.55058	261.60257	314.30271	26.59241	0.0941708	0.23197575	2.6232579	21	2 1.7	19.1
247195 2001 OB_{2}	15.7	X	71.91678	317.88495	327.16046	14.46981	0.1325884	0.20529202	2.8459112	21	10 21.7	20.1
247196 2001 OS_{58}	14.7	X	220.25052	144.63825	159.90554	27.72771	0.1839787	0.17427588	3.1742749	21	2 2.2	20.3
247197 2001 OV_{84}	15.5	X	247.78357	108.70158	204.51484	11.51716	0.1618619	0.18243241	3.0789411	21	3 5.6	20.6
247198 2001 OM_{86}	16.2	X	109.34519	271.52197	84.91388	12.50461	0.2329506	0.21403318	2.7678888	21	—	—
247199 2001 OF_{97}	16.5	X	179.52033	246.67367	121.34436	9.05728	0.3378250	0.22585795	2.6704173	21	3 18.2	21.6
247200 2001 OZ_{103}	16.8	X	184.78904	118.75213	141.76787	5.15260	0.1798938	0.31716040	2.1295283	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
247201 2001 OO_{109}	15.6	X	145.36938	226.31573	154.71931	9.13886	0.3029122	0.21906701	2.7253235	21	3 5.9	20.3
247202 2001 PR	15.4	X	207.26431	115.14035	264.56205	13.92289	0.1078149	0.23440599	2.6050951	21	4 11.6	19.7
247203 2001 PK_{4}	16.4	X	250.37369	47.51848	233.17729	4.17054	0.2938795	0.22969759	2.6405745	21	1 18.5	21.1
247204 2001 PE_{20}	15.5	X	133.61331	241.97269	119.59507	14.32377	0.1112819	0.22102929	2.7091695	21	1 8.8	19.2
247205 2001 PR_{20}	15.6	X	130.32485	268.11085	106.39003	13.25121	0.2069008	0.22056715	2.7129523	21	2 3.9	19.7
247206 2001 PC_{27}	16.2	X	152.41231	29.96802	286.69785	2.37610	0.1901962	0.21726513	2.7403710	21	—	—
247207 2001 PO_{27}	16.1	X	168.85254	69.25901	300.87921	4.79647	0.3055910	0.22393393	2.6856914	21	3 7.6	20.9
247208 2001 PN_{28}	16.0	X	6.56337	21.35232	291.46068	7.45497	0.2246838	0.19847056	2.9107528	21	9 1.9	18.9
247209 2001 QU_{5}	15.6	X	99.93735	72.16494	315.31265	4.87436	0.0487640	0.21983090	2.7190063	21	—	—
247210 2001 QS_{7}	16.7	X	129.36232	217.43031	148.19736	11.55770	0.2455581	0.26874199	2.3781853	21	1 16.9	19.9
247211 2001 QU_{9}	15.5	X	103.58466	28.21010	326.10260	13.02512	0.2024728	0.21444793	2.7643189	21	—	—
247212 2001 QO_{49}	16.0	X	185.21291	308.82222	326.50326	11.84650	0.1404370	0.21818321	2.7326783	21	—	—
247213 2001 QO_{51}	16.1	X	227.39301	202.94187	134.46573	13.38996	0.1720053	0.23097346	2.6308414	21	3 16.7	20.5
247214 2001 QE_{63}	15.7	X	104.52965	47.46126	345.91195	12.47568	0.2097085	0.21753507	2.7381035	21	1 31.1	19.4
247215 2001 QD_{90}	15.5	X	161.09631	135.53983	240.10536	14.90038	0.1965791	0.22220851	2.6995762	21	2 25.2	20.2
247216 2001 QA_{93}	15.8	X	218.50246	98.80159	227.54302	10.54880	0.2049824	0.22633147	2.6666913	21	2 16.3	20.5
247217 2001 QT_{109}	15.5	X	187.57637	274.23071	95.58966	15.29453	0.2311934	0.22813682	2.6526042	21	3 27.3	20.4
247218 2001 QL_{119}	15.6	X	161.91699	349.69970	339.82639	9.27745	0.1735538	0.21715862	2.7412670	21	1 9.5	20.0
247219 2001 QC_{129}	16.0	X	108.21716	187.04999	183.63042	9.57362	0.1824928	0.21706143	2.7420852	21	—	—
247220 2001 QJ_{129}	15.6	X	217.26741	100.34851	305.28794	16.34805	0.2149788	0.18613965	3.0379232	21	5 25.0	21.0
247221 2001 QV_{129}	16.3	X	95.30914	95.21069	285.61983	8.03497	0.2196573	0.21578287	2.7529062	21	—	—
247222 2001 QQ_{136}	16.3	X	187.28350	351.46830	325.18401	8.69091	0.2323741	0.21989074	2.7185131	21	1 18.8	20.9
247223 2001 QV_{148}	15.9	X	135.31776	290.67860	128.15070	12.40091	0.1788826	0.22417051	2.6838015	21	4 4.3	20.2
247224 2001 QG_{153}	16.6	X	71.11135	18.95235	10.58981	9.30776	0.3002223	0.21013065	2.8020536	21	—	—
247225 2001 QW_{155}	16.3	X	76.39325	77.49926	318.07877	6.68961	0.2756542	0.21350915	2.7724160	21	—	—
247226 2001 QM_{159}	16.6	X	131.29118	144.95400	152.91408	9.91541	0.2162597	0.21324795	2.7746794	21	—	—
247227 2001 QP_{171}	16.5	X	180.77997	143.80326	167.22649	14.99179	0.2502640	0.22228102	2.6989891	21	1 5.9	21.4
247228 2001 QZ_{194}	15.6	X	136.04485	101.48062	304.41501	10.23832	0.0734325	0.22186276	2.7023801	21	2 27.1	19.5
247229 2001 QB_{195}	15.9	X	126.62365	136.87135	266.32755	7.34537	0.2921712	0.21924307	2.7238643	21	3 11.3	20.3
247230 2001 QU_{204}	16.4	X	125.08894	19.83829	313.49130	14.06127	0.1826136	0.21540147	2.7561548	21	—	—
247231 2001 QA_{210}	16.7	X	89.13482	55.01802	291.56437	7.54207	0.1619857	0.21212763	2.7844402	21	—	—
247232 2001 QS_{219}	15.7	X	115.90770	117.99586	300.55080	12.64235	0.0987280	0.21894768	2.7263137	21	2 21.7	19.6
247233 2001 QT_{221}	16.4	X	114.58084	51.15683	289.07179	12.61007	0.1650135	0.21533469	2.7567246	21	—	—
247234 2001 QH_{244}	15.2	X	177.22217	312.10343	1.97704	18.87613	0.1060071	0.16810637	3.2514714	21	1 11.9	20.6
247235 2001 QP_{245}	15.4	X	187.49698	345.97516	359.30562	13.49107	0.1879110	0.22294741	2.6936082	21	2 21.7	19.9
247236 2001 QY_{250}	15.7	X	140.27905	249.36530	31.69238	10.65308	0.2493079	0.21293281	2.7774164	21	—	—
247237 2001 QK_{251}	16.0	X	145.29170	80.89192	290.56784	11.00969	0.1753144	0.22371451	2.6874472	21	2 7.2	20.1
247238 2001 QW_{255}	15.8	X	153.35269	73.12044	3.19634	5.77617	0.2098199	0.23042363	2.6350248	21	5 8.4	20.1
247239 2001 QC_{259}	16.4	X	92.56668	76.12015	301.23404	8.51658	0.2598220	0.21309984	2.7759649	21	—	—
247240 2001 QX_{273}	14.5	X	216.80251	189.51881	138.08530	28.75834	0.1366880	0.17811918	3.1284479	21	2 28.9	19.6
247241 2001 QN_{285}	16.3	X	116.43929	296.60126	5.97999	4.26868	0.0545316	0.21154702	2.7895326	21	12 31.7	20.5
247242 2001 QH_{287}	17.0	X	70.32841	221.23698	173.14275	10.65110	0.2270944	0.26233965	2.4167224	21	—	—
247243 2001 RL_{1}	15.9	X	130.35977	328.09349	348.66744	4.43100	0.1492223	0.21396384	2.7684868	21	—	—
247244 2001 RN_{3}	16.6	X	138.08944	58.23515	244.61523	10.80898	0.2577715	0.21462241	2.7628205	21	—	—
247245 2001 RV_{13}	16.2	X	328.13278	54.88988	174.35752	11.98539	0.0829870	0.22879012	2.6475523	21	2 27.1	19.5
247246 2001 RB_{33}	16.9	X	21.20404	207.06517	172.30756	9.61513	0.2314234	0.25555463	2.4593115	21	—	—
247247 2001 RT_{38}	16.5	X	92.10631	193.10544	177.82845	5.06501	0.1859762	0.21419834	2.7664658	21	—	—
247248 2001 RB_{40}	16.6	X	60.93855	208.08327	169.79411	3.39309	0.1144946	0.21052131	2.7985861	21	—	—
247249 2001 RF_{43}	15.6	X	183.83396	75.03994	285.74609	13.91260	0.2587444	0.22603311	2.6690375	21	2 28.5	20.5
247250 2001 RQ_{48}	16.2	X	125.54177	254.22547	69.21137	20.13919	0.3505042	0.21336050	2.7737035	21	—	—
247251 2001 RL_{50}	15.3	X	200.69029	81.67198	236.44727	8.01944	0.0674545	0.17328297	3.1863890	21	1 30.2	20.3
247252 2001 RB_{57}	15.4	X	263.80490	254.70109	3.58481	8.70963	0.0510805	0.17356627	3.1829207	21	2 2.1	20.1
247253 2001 RX_{59}	16.1	X	107.04861	249.23789	123.25073	8.06291	0.2631660	0.21485428	2.7608324	21	1 12.9	19.7
247254 2001 RP_{80}	16.3	X	137.07094	146.21585	181.53578	7.95014	0.2240600	0.21532643	2.7567951	21	—	—
247255 2001 RT_{82}	16.3	X	74.08517	199.61779	195.94088	7.95763	0.2272314	0.21324493	2.7747056	21	—	—
247256 2001 RR_{85}	16.6	X	125.16320	125.92968	188.10042	1.28961	0.2326644	0.21259740	2.7803369	21	—	—
247257 2001 RX_{88}	15.8	X	72.53086	16.54542	24.00728	6.33389	0.2722596	0.21219504	2.7838504	21	—	—
247258 2001 RZ_{93}	16.6	X	164.37618	9.37584	353.93182	0.96263	0.2556208	0.22162375	2.7043227	21	2 24.0	21.3
247259 2001 RT_{98}	15.0	X	251.96025	93.07260	164.41577	16.55881	0.1251870	0.17527111	3.1622473	21	1 9.7	20.2
247260 2001 RX_{109}	15.0	X	119.46400	12.85408	350.59583	21.94646	0.0663954	0.16796554	3.2532886	21	1 3.9	20.0
247261 2001 RH_{123}	15.2	X	273.18642	258.64850	358.61601	11.96786	0.2018311	0.17656926	3.1467288	21	1 26.9	20.3
247262 2001 RM_{146}	14.9	X	225.02885	92.42688	225.28877	14.63212	0.2115639	0.17804333	3.1293364	21	2 15.3	20.5
247263 2001 RD_{148}	15.9	X	137.81560	322.12640	349.98987	13.98986	0.1111578	0.21503886	2.7592523	21	—	—
247264 2001 SW_{8}	16.3	X	140.18686	154.73070	208.89064	11.94546	0.1910063	0.26892696	2.3770947	21	1 17.1	19.8
247265 2001 SP_{13}	16.5	X	75.05068	216.41981	173.84416	8.19125	0.2237399	0.21225241	2.7833488	21	—	—
247266 2001 SP_{26}	15.9	X	285.78880	117.84091	183.76965	14.30837	0.3171983	0.18441712	3.0568108	21	3 13.3	20.8
247267 2001 SV_{49}	15.7	X	128.74149	164.35517	169.57939	14.05351	0.1654250	0.21316518	2.7753976	21	—	—
247268 2001 SF_{62}	16.1	X	178.86618	159.27260	191.13574	12.43219	0.1278753	0.22099376	2.7094598	21	2 10.8	20.5
247269 2001 SY_{63}	15.6	X	268.87552	233.00368	27.75124	13.17076	0.1982710	0.22240887	2.6979546	21	1 20.5	20.2
247270 2001 SG_{87}	16.5	X	88.29965	39.85366	323.10265	3.02218	0.1092227	0.21325508	2.7746176	21	—	—
247271 2001 SF_{89}	16.0	X	158.33487	13.78524	272.54977	3.69339	0.0351587	0.21262058	2.7801348	21	—	—
247272 2001 SU_{92}	16.9	X	118.04469	74.44904	258.49648	0.94992	0.1666103	0.21344201	2.7729973	21	—	—
247273 2001 SX_{104}	15.6	X	119.94070	84.09638	357.07036	14.11545	0.0849652	0.22454705	2.6808004	21	3 27.5	19.2
247274 2001 SU_{116}	15.1	X	199.02084	113.15632	193.11810	17.63128	0.1408663	0.17235251	3.1978467	21	1 16.1	20.6
247275 2001 SH_{119}	16.0	X	125.40410	50.79672	281.11449	5.90041	0.0960404	0.21363612	2.7713173	21	—	—
247276 2001 SU_{123}	15.3	X	221.21147	345.15886	331.18614	10.55447	0.1409897	0.17660513	3.1463027	21	2 18.2	20.3
247277 2001 SK_{135}	15.7	X	59.18175	14.33389	357.96937	7.71452	0.0929078	0.20839132	2.8176235	21	—	—
247278 2001 SR_{144}	15.1	X	255.32297	77.10399	183.90844	25.65886	0.2118532	0.17414074	3.1759169	21	1 9.8	20.8
247279 2001 SG_{148}	15.3	X	195.21808	345.31773	326.11497	6.46085	0.1374493	0.17064674	3.2191216	21	1 22.6	20.5
247280 2001 SY_{149}	16.2	X	120.81929	102.13260	338.55388	5.55108	0.1301561	0.22420230	2.6835478	21	4 3.1	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
247281 2001 SR_{155}	15.1	X	151.87109	229.53696	204.28057	16.03349	0.1879015	0.17582606	3.1555899	21	5 8.4	20.3
247282 2001 SK_{181}	16.0	X	116.97480	11.57521	340.24221	15.29461	0.0698088	0.21685700	2.7438082	21	—	—
247283 2001 SC_{187}	15.1	X	207.52215	39.93391	344.05908	13.40412	0.1595036	0.18367994	3.0649842	21	4 19.3	20.3
247284 2001 ST_{199}	16.3	X	57.11274	269.54131	136.38712	2.37561	0.1939336	0.21167401	2.7884168	21	—	—
247285 2001 SC_{205}	15.5	X	107.20828	308.43260	7.84527	11.88514	0.0815632	0.20905450	2.8116615	21	—	—
247286 2001 SE_{206}	15.7	X	28.28238	258.51793	359.52003	13.36025	0.1080927	0.19063540	2.9899712	21	7 23.4	19.6
247287 2001 SE_{246}	16.8	X	103.53559	342.79517	21.30877	3.47936	0.2013635	0.26213868	2.4179574	21	—	—
247288 2001 SC_{250}	15.2	X	56.49534	323.49480	40.91998	9.94420	0.1414302	0.15571644	3.4217353	21	—	—
247289 2001 SL_{258}	15.9	X	157.33172	187.60129	179.11285	12.90259	0.0208433	0.22278313	2.6949323	21	1 29.2	19.8
247290 2001 SS_{284}	16.6	X	336.90771	145.01119	187.37262	12.59755	0.0861853	0.19263401	2.9692544	21	8 1.3	20.6
247291 2001 SM_{294}	16.0	X	145.70309	51.45939	277.70080	4.00590	0.1547535	0.21763169	2.7372930	21	—	—
247292 2001 SW_{294}	16.5	X	143.76907	94.99256	271.67579	2.86598	0.1360205	0.22068668	2.7119727	21	1 29.1	20.4
247293 2001 SR_{299}	16.7	X	201.48599	326.72361	302.58026	2.85398	0.0585224	0.21578149	2.7529179	21	—	—
247294 2001 SA_{305}	15.4	X	114.33762	84.99792	7.04625	13.62920	0.0891796	0.17522509	3.1628009	21	4 9.3	19.9
247295 2001 SA_{344}	15.7	X	173.60227	125.17632	269.33124	10.73770	0.2006569	0.22832833	2.6511208	21	3 31.8	20.3
247296 2001 SQ_{345}	16.2	X	117.54022	69.58190	254.37955	6.10921	0.1692408	0.21211682	2.7845348	21	—	—
247297 2001 SH_{354}	12.7	X	147.27166	89.23393	31.38143	21.95729	0.0505878	0.08415033	5.1574162	21	6 18.5	20.0
247298 2001 TS_{24}	15.5	X	288.11939	339.62264	2.59717	16.11792	0.0803520	0.18526638	3.0474621	21	6 3.2	20.1
247299 2001 TK_{49}	16.0	X	135.40119	358.86367	3.98873	7.15533	0.1241194	0.21592621	2.7516877	21	1 17.0	20.0
247300 2001 TF_{57}	15.9	X	129.70607	104.15679	200.04076	7.01891	0.2177877	0.21071797	2.7968445	21	—	—
247301 2001 TW_{57}	16.6	X	116.33520	358.97369	348.93830	2.16843	0.1938662	0.21276429	2.7788827	21	—	—
247302 2001 TY_{60}	16.8	X	101.00115	5.33355	25.80019	1.21181	0.2993518	0.21427050	2.7658447	21	2 3.6	20.4
247303 2001 TY_{68}	16.3	X	123.59510	104.53806	199.88850	6.90413	0.2170102	0.20990609	2.8040517	21	—	—
247304 2001 TW_{78}	15.8	X	133.64747	167.64687	190.87183	7.85662	0.2796961	0.21477532	2.7615091	21	1 24.8	20.3
247305 2001 TS_{84}	16.7	X	76.26281	187.90048	200.16696	5.09233	0.1731209	0.21072791	2.7967566	21	—	—
247306 2001 TR_{88}	16.5	X	7.82602	121.90796	216.55451	6.31230	0.2510629	0.19787584	2.9165820	21	10 19.0	19.3
247307 2001 TA_{92}	16.5	X	84.03382	41.16839	325.43088	2.21460	0.1244826	0.20978844	2.8051000	21	—	—
247308 2001 TH_{121}	15.2	X	232.70135	76.95790	299.48415	9.94388	0.2448940	0.18152645	3.0891768	21	4 29.8	20.6
247309 2001 TO_{121}	15.7	X	48.86604	57.64068	282.06337	10.02631	0.1163884	0.20092955	2.8869561	21	12 4.5	19.7
247310 2001 TK_{123}	15.3	X	179.71272	195.06378	210.16213	27.96364	0.1430181	0.17845220	3.1245545	21	4 26.1	20.3
247311 2001 TD_{125}	16.0	X	78.27467	88.36069	300.54248	7.78827	0.1684832	0.21113183	2.7931885	21	—	—
247312 2001 TM_{162}	15.3	X	286.57450	126.41712	205.81182	10.70441	0.0584833	0.18443701	3.0565911	21	5 26.9	19.6
247313 2001 TP_{168}	15.5	X	115.97529	133.99719	271.64890	8.92679	0.2083678	0.21622413	2.7491595	21	2 21.6	19.6
247314 2001 TE_{169}	15.1	X	113.24275	144.59762	268.19441	13.79477	0.0863728	0.21606996	2.7504671	21	2 8.5	19.1
247315 2001 TP_{176}	12.8	X	296.03557	292.14164	29.49858	19.11236	0.0377513	0.08226238	5.2360270	21	5 28.1	19.8
247316 2001 TH_{180}	15.0	X	253.55350	126.92019	252.83642	8.08461	0.1195114	0.18441927	3.0567871	21	6 6.9	19.4
247317 2001 TV_{183}	15.7	X	110.21590	80.06693	22.15437	10.94169	0.0249102	0.17514113	3.1638116	21	4 10.4	20.1
247318 2001 TM_{186}	15.8	X	330.80304	211.98116	231.69440	15.76509	0.1173470	0.20154524	2.8810736	21	12 20.8	19.4
247319 2001 TG_{199}	16.4	X	45.56620	288.47112	137.28304	9.05440	0.2610484	0.21074317	2.7966216	21	—	—
247320 2001 TU_{200}	15.6	X	197.36401	208.08420	136.50330	10.90609	0.1327445	0.22399272	2.6852215	21	2 25.3	19.8
247321 2001 TG_{209}	16.2	X	70.60326	151.91485	277.04391	8.89113	0.3016757	0.21369577	2.7708016	21	2 2.7	19.0
247322 2001 TA_{228}	16.7	X	196.38345	118.80650	217.25794	4.74101	0.0893977	0.22209947	2.7004597	21	2 10.1	20.8
247323 2001 TY_{232}	12.9	X	277.25018	308.77103	32.10307	11.65479	0.0699274	0.08224586	5.2367282	21	5 26.4	19.8
247324 2001 TT_{248}	17.4	X	73.76517	67.35960	31.08183	6.08596	0.1926830	0.26918930	2.3755501	21	2 24.7	19.6
247325 2001 TU_{249}	16.6	X	41.18721	254.05344	112.67950	3.15910	0.1110783	0.20487403	2.8497807	21	12 28.6	20.5
247326 2001 UZ_{22}	15.6	X	137.60540	87.38489	269.42752	9.72565	0.1634607	0.21594177	2.7515555	21	1 13.9	19.7
247327 2001 UJ_{45}	16.7	X	107.98635	247.58401	174.47969	3.77645	0.1993741	0.21763257	2.7372856	21	3 7.3	20.2
247328 2001 UV_{56}	16.0	X	170.58975	353.71746	8.82716	5.21081	0.0013877	0.22075080	2.7114474	21	2 11.9	19.7
247329 2001 UF_{59}	15.8	X	281.59355	345.80288	7.24819	1.28350	0.1385208	0.18573367	3.0423485	21	6 3.4	20.1
247330 2001 UJ_{60}	16.3	X	135.32850	24.31396	262.77491	3.30176	0.1927768	0.20988119	2.8042735	21	—	—
247331 2001 UR_{78}	15.8	X	169.32320	223.48919	192.15571	8.67634	0.1745433	0.17599188	3.1536074	21	5 1.3	21.0
247332 2001 UK_{108}	16.7	X	89.59959	158.67981	204.33522	3.43956	0.2176081	0.20894281	2.8126634	21	—	—
247333 2001 UB_{112}	15.2	X	271.37841	93.26160	221.15391	25.98626	0.0750292	0.17705255	3.1409999	21	4 11.1	19.9
247334 2001 UF_{124}	15.6	X	99.00049	350.48979	128.49190	14.27015	0.2258882	0.22296585	2.6934597	21	5 17.2	19.7
247335 2001 UT_{135}	17.0	X	137.18426	173.40790	211.88587	2.84892	0.2032386	0.21760049	2.7375546	21	2 21.3	21.2
247336 2001 UP_{145}	17.1	X	84.30353	283.81245	117.75472	2.98953	0.1631599	0.26193303	2.4192228	21	—	—
247337 2001 UP_{151}	15.4	X	174.00802	105.61927	218.27301	10.93527	0.0979550	0.21327997	2.7744017	21	1 5.5	19.8
247338 2001 UJ_{169}	15.7	X	109.10238	60.27592	325.17099	10.02052	0.2725798	0.21278995	2.7786593	21	2 3.3	19.6
247339 2001 UP_{200}	15.8	X	151.26736	69.04631	17.08574	15.12479	0.0914809	0.17835200	3.1257247	21	5 10.8	20.7
247340 2001 UD_{206}	16.2	X	115.29216	248.55311	72.95135	8.65500	0.2270983	0.21197212	2.7858018	21	—	—
247341 2001 UV_{209}	12.6	X	270.53100	270.82889	85.34682	25.78659	0.0669211	0.08275313	5.2153056	21	6 8.9	19.5
247342 2001 UL_{210}	16.2	X	324.32359	328.36170	338.15808	24.22158	0.1725501	0.28682700	2.2771381	21	5 9.4	19.3
247343 2001 UU_{219}	16.5	X	78.31723	171.97096	187.19471	9.28092	0.2440249	0.25627465	2.4547030	21	—	—
247344 2001 UZ_{220}	15.6	X	159.30804	289.04190	42.89825	11.99387	0.1066600	0.21315035	2.7755263	21	1 2.9	19.9
247345 2001 UH_{224}	16.2	X	154.91512	196.27473	165.50739	9.56170	0.2477315	0.21819823	2.7325528	21	2 13.3	20.8
247346 2001 VK	15.4	X	176.25339	317.97045	39.66398	13.82986	0.1419649	0.22316417	2.6918638	21	2 27.4	19.9
247347 2001 VV_{16}	15.1	X	287.96114	75.31378	273.09169	20.60691	0.2323710	0.18685611	3.0301527	21	5 22.1	19.7
247348 2001 VT_{20}	17.0	X	227.44367	97.89898	230.09127	4.16552	0.2562138	0.27487210	2.3426942	21	2 21.8	21.2
247349 2001 VZ_{40}	15.2	X	171.05622	140.77146	257.63975	9.73198	0.1245104	0.17113717	3.2129687	21	4 5.9	20.5
247350 2001 VP_{49}	15.7	X	99.21653	47.61615	323.05962	7.28518	0.1885697	0.21174907	2.7877578	21	—	—
247351 2001 VB_{52}	12.5	X	299.41404	95.03462	237.87579	21.15714	0.0964665	0.08384855	5.1697835	21	6 10.1	19.2
247352 2001 VR_{57}	15.8	X	100.56173	91.07575	253.31909	13.77199	0.1715344	0.20626453	2.8369587	21	—	—
247353 2001 VW_{59}	17.0	X	90.02116	114.19151	281.87023	5.99049	0.1219621	0.31204983	2.1527160	21	—	—
247354 2001 VG_{101}	14.9	X	26.18946	121.22358	255.40597	8.54766	0.0994500	0.15090431	3.4940970	21	12 7.9	19.5
247355 2001 VH_{122}	15.1	X	184.65769	264.39703	128.82693	26.96131	0.2145195	0.17450593	3.1714845	21	4 27.4	21.0
247356 2001 VM_{132}	15.7	X	281.43855	139.26613	95.19194	17.97490	0.0909363	0.21590485	2.7518692	21	1 9.2	19.7
247357 2001 WW_{10}	16.0	X	62.78944	42.20314	74.72296	8.90247	0.1711184	0.21609426	2.7502609	21	3 14.4	19.2
247358 2001 WQ_{67}	15.2	X	124.06047	202.42332	220.80853	18.26925	0.0483822	0.17014444	3.2254542	21	3 8.7	20.1
247359 2001 WC_{84}	16.2	X	24.42816	135.43340	236.89748	11.05708	0.0689712	0.19797128	2.9156446	21	12 6.4	20.0
247360 2001 XU	19.3	X	254.85869	285.95650	261.08409	19.07083	0.8367812	0.23886039	2.5726061	21	10 14.4	24.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
247361 2001 XY_{1}	16.0	X	122.47111	91.84828	301.90816	23.74623	0.1900394	0.21710876	2.7416866	21	2 9.7	20.1
247362 2001 XX_{6}	16.6	X	330.27344	45.19162	109.94479	35.12905	0.0801143	0.35531279	1.9742197	21	—	—
247363 2001 XG_{12}	16.9	X	123.73693	34.13041	353.23283	4.64459	0.2351002	0.26489309	2.4011666	21	2 8.7	20.0
247364 2001 XK_{36}	16.1	X	138.24109	16.42025	11.89976	9.20563	0.1850721	0.21661780	2.7458277	21	2 28.3	20.3
247365 2001 XC_{38}	15.9	X	290.06460	76.08825	356.95959	8.44407	0.1599109	0.24142869	2.5543288	21	10 1.2	18.8
247366 2001 XN_{38}	15.5	X	308.60337	27.08360	26.04971	11.90538	0.1589793	0.19109175	2.9852091	21	10 1.9	19.0
247367 2001 XN_{49}	16.6	X	67.62759	321.97478	126.46945	1.21377	0.0370267	0.21392877	2.7687894	21	1 23.8	20.2
247368 2001 XO_{51}	15.7	X	48.98393	259.67692	70.73658	17.99941	0.1550504	0.19730617	2.9221933	21	11 29.0	19.7
247369 2001 XH_{61}	15.7	X	7.50273	301.24733	88.25330	17.10589	0.2148658	0.19768495	2.9184593	21	12 22.4	18.7
247370 2001 XJ_{65}	16.6	X	251.59039	133.75824	275.59470	8.28895	0.1973634	0.28297364	2.2977638	21	7 2.8	19.9
247371 2001 XD_{68}	16.1	X	26.94573	321.45467	104.44889	26.49449	0.2281260	0.30084198	2.2058556	21	—	—
247372 2001 XY_{80}	16.4	X	244.28019	220.07562	251.61842	7.63985	0.1191859	0.23906549	2.5711345	21	9 21.7	20.2
247373 2001 XG_{86}	15.4	X	77.78385	157.83483	273.19226	14.69426	0.2227690	0.20960574	2.8067298	21	2 4.0	18.9
247374 2001 XT_{110}	15.9	X	117.45735	310.96944	81.78283	12.54402	0.1200897	0.21499305	2.7596442	21	2 2.2	19.8
247375 2001 XJ_{169}	16.5	X	260.19321	186.83988	260.51065	10.94489	0.1448893	0.23751085	2.5823419	21	9 3.3	20.2
247376 2001 XZ_{197}	16.8	X	26.28315	50.36185	115.76903	12.48923	0.1889755	0.26067634	2.4269918	21	2 26.7	18.9
247377 2001 XQ_{221}	15.2	X	204.36278	135.14468	245.69153	11.72980	0.0225722	0.17460942	3.1702313	21	4 19.6	19.9
247378 2001 XW_{230}	17.3	X	69.70309	186.97645	287.66182	3.45345	0.1950394	0.26548326	2.3976068	21	3 9.3	19.4
247379 2001 XM_{231}	17.2	X	131.13553	53.40680	51.24044	5.45484	0.1902413	0.27307399	2.3529670	21	5 21.3	20.6
247380 2001 XU_{233}	16.3	X	34.34859	47.97336	325.45522	1.72366	0.0829427	0.19860428	2.9094461	21	12 22.8	20.0
247381 2001 XZ_{260}	16.2	X	35.24372	246.93885	228.92656	4.62409	0.0194300	0.21426363	2.7659038	21	1 13.6	20.0
247382 2001 YP_{55}	15.5	X	331.20908	89.71973	270.19006	11.84810	0.1082186	0.18775878	3.0204330	21	8 24.6	19.4
247383 2001 YE_{63}	15.4	X	231.23019	174.02330	285.65398	7.00218	0.0893635	0.18346409	3.0673877	21	8 22.5	20.1
247384 2001 YQ_{73}	15.1	X	258.68868	293.09158	101.37058	18.61887	0.0873931	0.17892447	3.1190540	21	7 5.8	19.4
247385 2001 YD_{95}	14.8	X	11.52945	298.96039	294.97482	20.18291	0.0639894	0.17127314	3.2112679	21	5 15.3	19.4
247386 2001 YH_{96}	15.0	X	301.90592	291.95633	94.12916	18.13900	0.1761601	0.18402606	3.0611398	21	8 12.7	19.0
247387 2001 YS_{115}	16.0	X	239.20717	145.68186	309.00958	15.67520	0.1583175	0.23303046	2.6153366	21	8 19.2	19.9
247388 2001 YA_{122}	15.4	X	130.02333	71.70233	303.12563	6.34732	0.2310950	0.21409355	2.7673685	21	2 5.6	19.4
247389 2001 YX_{124}	16.7	X	283.86898	96.45519	303.31960	6.44187	0.2164040	0.28783381	2.2718249	21	7 28.7	19.1
247390 2001 YZ_{151}	16.0	X	37.37590	69.04048	342.80868	7.32106	0.2138341	0.20300677	2.8672289	21	—	—
247391 2002 AA_{22}	17.1	X	275.85498	238.12464	333.88394	18.91747	0.0914410	0.40203577	1.8181355	21	—	—
247392 2002 AX_{33}	15.6	X	260.09241	273.31283	278.58250	4.08731	0.0683460	0.19884067	2.9071397	21	—	—
247393 2002 AO_{66}	15.8	X	219.32628	36.02785	186.57512	12.94674	0.2322451	0.24291890	2.5438716	21	12 31.8	19.9
247394 2002 AE_{75}	15.2	X	112.37320	329.31598	297.72438	15.23546	0.0555920	0.19005687	2.9960359	21	11 5.7	19.9
247395 2002 AF_{111}	15.2	X	49.49604	321.45192	318.55995	10.41365	0.0373615	0.17996588	3.1070096	21	9 4.8	19.5
247396 2002 AO_{139}	15.1	X	288.21879	293.60081	107.49060	10.41040	0.1100138	0.18076786	3.0978133	21	8 20.9	19.3
247397 2002 AT_{156}	15.7	X	230.55290	353.15929	138.80292	9.91468	0.0542609	0.18501344	3.0502389	21	10 11.5	20.2
247398 2002 AF_{164}	15.3	X	241.00093	134.24012	302.61170	12.27616	0.0809783	0.17741714	3.1366953	21	8 6.9	19.8
247399 2002 AX_{198}	14.8	X	220.15904	63.85560	272.56514	12.16891	0.0652067	0.16751907	3.2590664	21	3 9.8	19.9
247400 2002 AL_{205}	14.6	X	15.83583	263.27418	91.86447	18.97783	0.1045069	0.14756969	3.5465380	21	11 5.8	19.5
247401 2002 AV_{208}	16.2	X	129.41244	257.87282	309.80344	25.55148	0.1908268	0.27857564	2.3218846	21	9 17.4	20.5
247402 2002 BY_{13}	17.2	X	33.10214	138.13016	285.29806	2.47024	0.1356926	0.30053379	2.2073634	21	—	—
247403 2002 BL_{19}	16.7	X	329.72937	125.91052	45.08644	4.07320	0.0819916	0.30331519	2.1938484	21	—	—
247404 2002 BV_{21}	17.3	X	217.70245	287.23739	235.49032	2.10383	0.0991999	0.28727459	2.2747722	21	11 8.7	20.2
247405 2002 CU_{1}	14.8	X	182.39079	5.39545	89.18857	10.01070	0.2321999	0.12423209	3.9778358	21	6 27.2	21.3
247406 2002 CN_{47}	15.1	X	281.87342	76.92075	323.47962	14.07881	0.0738443	0.18013906	3.1050180	21	8 14.5	19.1
247407 2002 CT_{51}	17.0	X	308.05802	32.79948	150.64210	3.20287	0.1227117	0.30142215	2.2030242	21	—	—
247408 2002 CQ_{75}	15.1	X	105.70394	233.85990	333.31884	11.31620	0.1109278	0.17490008	3.1667180	21	8 26.2	19.7
247409 2002 CF_{79}	12.9	X	267.12524	112.30777	355.00052	6.87369	0.0621048	0.08434416	5.1495115	21	10 7.5	19.7
247410 2002 CW_{108}	15.7	X	199.31054	193.72980	1.14612	13.57038	0.1766962	0.23392656	2.6086533	21	11 9.3	20.1
247411 2002 CY_{108}	16.5	X	220.92025	4.04274	144.15827	5.67647	0.1082957	0.28287700	2.2982872	21	10 24.7	19.5
247412 2002 CU_{120}	15.2	X	111.94407	40.46596	137.89788	12.71389	0.0344913	0.17508094	3.1645367	21	7 18.5	19.7
247413 2002 CF_{134}	16.8	X	258.00098	334.98366	156.96508	5.41971	0.1693054	0.23766476	2.5812269	21	11 3.4	20.1
247414 2002 CF_{150}	16.5	X	95.31285	167.03802	128.62780	9.34156	0.0124890	0.23807262	2.5782781	21	12 1.5	20.1
247415 2002 CH_{196}	17.1	X	344.87574	281.42429	131.89378	8.55875	0.1306108	0.24148966	2.5538988	21	12 18.3	19.9
247416 2002 CN_{212}	16.9	X	51.78798	289.18089	0.56582	2.73607	0.1665337	0.28026731	2.3125320	21	10 24.9	19.6
247417 2002 CM_{223}	15.2	X	220.76312	105.60015	319.42720	17.84092	0.2346067	0.17495196	3.1660919	21	6 23.3	20.8
247418 2002 CO_{234}	18.1	X	92.84325	44.31846	316.41480	5.21201	0.1962910	0.30183771	2.2010017	21	—	—
247419 2002 CC_{260}	15.4	X	148.20744	219.37118	34.70267	4.58793	0.1134424	0.18779420	3.0200532	21	12 3.1	20.1
247420 2002 CZ_{261}	15.0	X	345.95679	9.59918	313.91019	11.97424	0.1617721	0.17752219	3.1354577	21	8 3.9	18.6
247421 2002 CD_{272}	12.6	X	234.55305	77.95553	56.97065	12.09473	0.0880459	0.08227368	5.2355473	21	10 6.5	19.8
247422 2002 CQ_{283}	16.6	X	186.43665	30.97634	129.60443	22.95425	0.1357361	0.28431011	2.2905574	21	10 5.4	20.5
247423 2002 CW_{287}	15.2	X	313.26054	345.30526	321.26198	8.78763	0.0701809	0.16951002	3.2334970	21	5 26.2	19.7
247424 2002 CD_{288}	15.7	X	211.82926	286.78098	167.04705	5.66531	0.1113734	0.17361773	3.1822918	21	7 24.7	20.8
247425 2002 CH_{289}	16.4	X	89.08979	132.45647	109.75035	26.03272	0.1456933	0.27993866	2.3143416	21	10 17.9	20.4
247426 2002 CT_{289}	16.7	X	325.20820	56.47363	6.36143	11.40980	0.2591720	0.24292230	2.5438478	21	11 20.6	18.7
247427 2002 CQ_{291}	15.2	X	21.35433	14.23654	12.03880	14.56848	0.0260433	0.18967943	3.0000090	21	12 10.3	19.6
247428 2002 CY_{291}	15.8	X	311.15664	248.27655	132.74393	9.88108	0.1498770	0.18319032	3.0704430	21	8 22.2	19.5
247429 2002 CQ_{292}	16.5	X	69.68325	49.64572	318.51518	7.43465	0.2634873	0.29891916	2.2153051	21	—	—
247430 2002 CM_{302}	15.3	X	319.16071	28.68328	312.98806	8.97382	0.1010733	0.17486155	3.1671830	21	7 18.7	19.3
247431 2002 CK_{304}	16.0	X	31.37444	249.28140	288.58174	14.25771	0.0479633	0.26245956	2.4159862	21	3 13.9	19.2
247432 2002 CL_{307}	16.6	X	35.10414	139.19982	257.53711	4.40442	0.1608142	0.29761299	2.2217821	21	—	—
247433 2002 DX_{2}	16.8	X	140.42386	204.27324	35.33674	4.61934	0.1137900	0.28535050	2.2849864	21	11 21.8	20.2
247434 2002 DG_{4}	14.7	X	96.87864	145.68674	99.59712	29.56192	0.2317585	0.17692305	3.1425325	21	10 29.6	20.3
247435 2002 DP_{15}	16.5	X	319.65742	267.76763	157.31770	12.59220	0.0644032	0.23784817	2.5798998	21	11 21.9	19.8
247436 2002 ES_{3}	17.0	X	50.20692	90.84865	172.47672	6.07693	0.1010299	0.27408783	2.3471610	21	9 3.4	19.5
247437 2002 EJ_{11}	12.4	X	259.36081	123.67197	351.71562	17.99089	0.1147105	0.08230689	5.2341392	21	9 29.1	19.5
247438 2002 EF_{23}	15.4	X	97.93659	287.91611	345.76311	8.77625	0.0602525	0.18244242	3.0788285	21	10 29.4	20.0
247439 2002 EJ_{61}	15.8	X	228.78295	1.01614	175.06132	10.70462	0.0407183	0.18720309	3.0264072	21	12 2.0	20.2
247440 2002 EP_{73}	16.9	X	71.75206	14.25658	206.14793	0.96047	0.1301250	0.26937051	2.3744846	21	8 8.9	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
247441 2002 EG_{82}	16.1	X	48.31040	356.01376	199.50600	7.98215	0.1075359	0.21341217	2.7732558	21	5 26.2	19.4
247442 2002 EN_{99}	17.3	X	279.42253	73.54833	58.76151	3.12754	0.2355468	0.24229222	2.5482561	21	11 25.1	19.7
247443 2002 EZ_{117}	15.8	X	114.55345	305.62954	314.13511	3.71581	0.0978323	0.18082474	3.0971637	21	11 4.9	20.5
247444 2002 ED_{134}	16.2	X	311.21800	100.98753	182.14511	5.33108	0.0214829	0.21308742	2.7760728	21	4 29.2	19.8
247445 2002 EP_{154}	15.2	X	203.58134	126.58161	343.69193	12.17907	0.0911699	0.17309620	3.1886806	21	8 10.6	20.1
247446 2002 FL_{13}	16.7	X	80.79582	47.14086	171.88552	8.44773	0.1170957	0.27069282	2.3667455	21	8 16.3	19.7
247447 2002 GE_{19}	15.1	X	215.45424	151.14272	26.34540	12.76490	0.1160707	0.18185837	3.0854169	21	11 5.8	19.8
247448 2002 GL_{19}	16.9	X	68.20895	312.06763	256.10372	1.60459	0.1437736	0.26613489	2.3936915	21	7 18.9	19.6
247449 2002 GF_{36}	17.3	X	14.07260	152.50232	165.37336	1.31080	0.1966624	0.27346575	2.3507192	21	10 9.7	19.3
247450 2002 GW_{36}	16.2	X	124.98803	218.27588	30.06377	12.29807	0.1521484	0.22966488	2.6408252	21	11 10.1	20.5
247451 2002 GP_{37}	17.0	X	14.52915	52.13801	199.98102	2.86857	0.1882126	0.26461787	2.4028312	21	6 18.6	18.7
247452 2002 GK_{41}	16.8	X	18.43157	35.13547	214.07190	4.52404	0.1914277	0.26456556	2.4031479	21	6 23.5	18.7
247453 2002 GH_{59}	16.9	X	357.27564	241.31603	27.65582	1.59547	0.1511086	0.26301014	2.4126133	21	6 5.0	18.7
247454 2002 GF_{70}	16.3	X	178.87329	144.41450	60.45872	6.95708	0.0958049	0.23035626	2.6355386	21	11 11.8	20.3
247455 2002 GX_{72}	16.9	X	14.56961	351.64105	136.52080	3.66725	0.0633493	0.30050641	2.2074975	21	—	—
247456 2002 GY_{90}	16.2	X	56.89367	132.74156	199.81104	5.33619	0.1310905	0.27987646	2.3146845	21	12 22.9	19.3
247457 2002 GA_{98}	17.2	X	126.48057	329.65774	265.60978	4.01572	0.1889778	0.27815878	2.3242038	21	11 3.1	20.8
247458 2002 GX_{102}	17.0	X	182.95825	339.03481	211.92412	1.59406	0.1351169	0.23047424	2.6346390	21	10 27.2	21.0
247459 2002 GA_{116}	16.4	X	207.86489	2.70395	133.70690	4.73730	0.1166701	0.27792076	2.3255306	21	9 21.1	19.7
247460 2002 GE_{118}	16.2	X	280.60360	38.82770	84.85121	8.63212	0.1522819	0.23762127	2.5815419	21	11 28.0	19.1
247461 2002 GH_{127}	17.1	X	64.01242	41.82058	215.06476	3.85103	0.0926699	0.27349680	2.3505413	21	9 12.2	20.1
247462 2002 GO_{140}	16.8	X	61.11676	150.64494	190.91128	5.26141	0.2134666	0.28211873	2.3024035	21	—	—
247463 2002 GQ_{144}	16.4	X	261.76650	104.73460	145.99267	10.62289	0.1998406	0.24634779	2.5202112	21	—	—
247464 2002 GF_{167}	15.0	X	336.44950	264.16357	322.52598	7.25187	0.1207340	0.15431521	3.4424177	21	3 14.3	19.6
247465 2002 HC_{13}	15.6	X	136.91028	72.84985	149.20915	27.92053	0.1217744	0.22573919	2.6713538	21	10 27.9	20.3
247466 2002 JG_{6}	15.1	X	124.92667	132.75297	83.81744	19.74661	0.1085934	0.17121116	3.2120429	21	10 7.2	20.4
247467 2002 JZ_{12}	16.0	X	9.72805	214.47464	69.59887	10.01346	0.1884517	0.21249329	2.7812449	21	8 1.3	18.8
247468 2002 JE_{17}	15.3	X	284.92181	255.26826	229.00991	6.09956	0.1038560	0.18408755	3.0604581	21	11 29.2	19.3
247469 2002 JK_{38}	16.7	X	141.25670	291.54969	329.39101	2.66823	0.1351612	0.23044582	2.6348556	21	12 11.3	21.0
247470 2002 JP_{41}	14.8	X	19.35488	291.76235	17.73121	10.20624	0.3272752	0.21842029	2.7307005	21	10 18.5	17.4
247471 2002 JF_{51}	15.6	X	18.95062	119.75720	240.01625	19.53952	0.2477079	0.27445078	2.3450912	21	12 24.7	18.5
247472 2002 JJ_{61}	16.1	X	247.61210	188.58950	53.75280	7.03756	0.2094766	0.24356574	2.5393657	21	—	—
247473 2002 JZ_{67}	16.5	X	13.46773	26.32864	234.41899	6.28888	0.1896803	0.26210144	2.4181864	21	6 30.4	18.4
247474 2002 JL_{81}	16.8	X	40.77367	200.24459	39.86333	5.38561	0.1800186	0.26578004	2.3958216	21	7 29.6	19.2
247475 2002 JF_{104}	16.5	X	314.92291	228.22206	84.19827	6.94001	0.1334365	0.25970846	2.4330180	21	5 24.7	19.3
247476 2002 JA_{120}	15.2	X	216.47959	81.67906	88.68574	18.15938	0.0590624	0.18033166	3.1028067	21	11 12.2	19.9
247477 2002 JX_{129}	16.1	X	66.63539	210.60864	98.90045	9.21868	0.1874059	0.22431490	2.6826497	21	12 3.1	20.0
247478 2002 JJ_{141}	16.6	X	354.38061	5.56829	253.71719	10.96780	0.2021483	0.25928356	2.4356753	21	5 7.5	18.5
247479 2002 JO_{142}	14.9	X	107.18007	186.51982	40.85255	13.82909	0.0402115	0.16910103	3.2387087	21	9 19.9	19.7
247480 2002 JY_{149}	16.5	X	19.88824	233.85945	82.88643	6.41771	0.0298545	0.27206340	2.3587901	21	9 28.2	19.3
247481 2002 KG	14.6	X	164.56657	108.75500	98.47543	23.32490	0.2119998	0.17694338	3.1422917	21	11 2.9	20.4
247482 2002 KL_{14}	15.0	X	114.60716	79.31608	216.99019	25.89048	0.2493219	0.17532523	3.1615965	21	12 22.9	20.8
247483 2002 LE_{19}	16.4	X	348.01055	85.52697	258.10429	7.82188	0.2762651	0.26480212	2.4017165	21	9 17.5	17.8
247484 2002 LC_{24}	15.8	X	184.71598	206.67371	281.17397	29.72632	0.1837044	0.36881035	1.9257533	21	8 1.9	19.1
247485 2002 LO_{35}	15.9	X	22.07192	108.86110	204.70758	7.39593	0.1817175	0.21562805	2.7542237	21	10 4.5	18.8
247486 2002 LA_{38}	16.6	X	321.36961	231.07737	81.47138	4.08269	0.2173011	0.25920751	2.4361517	21	5 21.3	19.0
247487 2002 LJ_{52}	15.2	X	206.90611	237.59440	122.86081	15.63499	0.2799365	0.19210929	2.9746587	21	3 31.4	20.8
247488 2002 NL_{19}	15.9	X	137.00052	189.58355	135.64677	18.17699	0.2056738	0.22951286	2.6419912	21	—	—
247489 2002 NA_{30}	16.2	X	2.62328	10.52704	294.32112	11.72864	0.1616628	0.20901300	2.8120337	21	8 9.6	19.2
247490 2002 NC_{37}	16.6	X	215.98696	177.27520	205.54479	5.06947	0.2775187	0.24629121	2.5205971	21	4 24.1	21.2
247491 2002 NC_{55}	17.0	X	110.40630	347.95052	328.33204	2.36766	0.2027426	0.22550556	2.6731985	21	—	—
247492 2002 NF_{65}	17.1	X	187.17043	197.98581	68.18798	2.21800	0.1713864	0.23050169	2.6344299	21	—	—
247493 2002 NW_{69}	15.2	X	92.68402	243.78883	143.04015	19.84194	0.2199298	0.17759079	3.1346502	21	1 13.7	19.5
247494 2002 NT_{70}	15.7	X	99.33894	164.11998	143.73826	12.72323	0.0669173	0.17087696	3.2162296	21	12 14.1	20.6
247495 2002 NJ_{72}	16.1	X	215.54776	222.09588	192.78267	6.00119	0.1237006	0.25418821	2.4681172	21	6 9.1	19.8
247496 2002 OP_{1}	16.5	X	121.05942	113.86452	231.91113	11.90886	0.2830874	0.22794504	2.6540919	21	—	—
247497 2002 OF_{14}	16.8	X	234.46420	130.49992	205.78694	6.89885	0.2693921	0.24386950	2.5372566	21	3 11.3	21.3
247498 2002 OW_{25}	15.3	X	269.68681	326.54485	333.51747	13.91640	0.1417163	0.19272743	2.9682948	21	3 11.7	19.9
247499 2002 OD_{32}	15.6	X	143.14425	260.83668	120.74996	12.88579	0.1664520	0.18518484	3.0483566	21	2 26.9	20.4
247500 2002 PH_{34}	15.6	X	70.43023	265.44825	134.68827	24.51773	0.4045897	0.17344806	3.1843667	21	1 27.3	19.0
247501 2002 PS_{40}	15.5	X	118.39277	29.04720	309.32119	13.05735	0.2653137	0.22523970	2.6753016	21	—	—
247502 2002 PK_{43}	17.3	X	72.96057	92.79077	160.98350	23.14167	0.0788347	0.36589214	1.9359791	21	10 4.5	19.5
247503 2002 PV_{60}	14.9	X	79.45326	233.66587	164.53736	27.16442	0.1921021	0.17251390	3.1958520	21	1 6.4	19.4
247504 2002 PN_{70}	16.6	X	240.53532	112.40212	227.45590	6.98988	0.2558391	0.24445011	2.5332374	21	3 19.9	21.0
247505 2002 PB_{89}	15.0	X	103.04054	141.95093	254.05491	14.46917	0.2640186	0.17877424	3.1208011	21	2 6.7	19.7
247506 2002 PQ_{91}	16.5	X	275.52113	275.11576	95.04818	4.78669	0.2253918	0.25335861	2.4735020	21	6 4.1	20.0
247507 2002 PV_{103}	14.7	X	119.75889	159.94838	198.33219	11.24615	0.3044224	0.12450922	3.9719312	21	1 26.6	21.0
247508 2002 PL_{104}	15.2	X	130.20841	154.48359	218.20737	9.34980	0.1860557	0.18038164	3.1022336	21	1 31.9	20.1
247509 2002 PN_{119}	16.4	X	185.62782	307.57268	312.11906	10.55719	0.1308946	0.22777525	2.6554106	21	—	—
247510 2002 PN_{121}	15.6	X	129.41751	132.96763	234.12713	5.61926	0.2257432	0.17870691	3.1215849	21	1 30.4	20.5
247511 2002 PZ_{123}	15.9	X	99.53242	13.77070	350.37319	10.73237	0.2329615	0.22663630	2.6642997	21	—	—
247512 2002 PW_{124}	15.8	X	175.00543	195.05623	150.30675	10.82628	0.1524487	0.18365779	3.0652305	21	2 10.0	20.7
247513 2002 PX_{132}	17.0	X	228.13952	200.71193	155.07659	6.25159	0.2617911	0.24518844	2.5281493	21	4 2.4	21.4
247514 2002 PV_{141}	15.6	X	279.57100	268.40278	318.39745	27.92135	0.0891404	0.23586561	2.5943364	21	—	—
247515 2002 PL_{176}	17.4	X	336.98222	142.25276	211.67024	3.36262	0.1034251	0.26174894	2.4203570	21	9 8.4	19.8
247516 2002 QA	14.7	X	136.64205	1.17514	339.39248	28.34440	0.1893657	0.17519732	3.1631351	21	1 14.2	20.0
247517 2002 QY_{6}	19.7	X	6.28427	355.37031	164.21039	12.75494	0.6991880	1.33468415	0.8169906	21	—	—
247518 2002 QU_{15}	15.8	X	151.00550	90.51817	191.11322	13.35295	0.1537330	0.22431709	2.6826322	21	—	—
247519 2002 QV_{15}	15.8	X	154.15448	101.84581	288.68788	27.96909	0.1987383	0.23479354	2.6022276	21	2 25.9	20.5
247520 2002 QX_{19}	16.4	X	227.39207	48.23125	265.00882	5.59406	0.1077798	0.23867241	2.5739567	21	2 10.8	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
247521 2002 QJ_{27}	15.8	X	123.08134	24.41222	345.95031	9.54277	0.1559955	0.17899054	3.1182863	21	1 23.8	20.4
247522 2002 QA_{64}	16.8	X	194.54508	233.67082	137.88739	13.54188	0.1552970	0.24167311	2.5526062	21	3 29.0	21.0
247523 2002 QU_{80}	16.5	X	67.83789	317.83154	27.16798	4.86118	0.0737242	0.22015332	2.7163510	21	—	—
247524 2002 QM_{87}	16.5	X	136.74138	284.74079	356.01355	9.08543	0.1106827	0.22165468	2.7040711	21	12 30.3	20.9
247525 2002 QQ_{92}	15.6	X	246.66142	128.08991	346.69859	13.24561	0.0477932	0.21203215	2.7852760	21	10 5.6	19.5
247526 2002 QO_{106}	16.6	X	151.65469	221.97976	173.36757	8.63029	0.1744249	0.23837312	2.5761108	21	3 15.6	20.6
247527 2002 QX_{113}	16.3	X	206.00059	147.49865	226.95638	7.08728	0.1169298	0.19177106	2.9781552	21	4 11.1	21.0
247528 2002 QS_{114}	16.4	X	284.18347	264.67312	293.51136	6.40888	0.1030650	0.23188533	2.6239398	21	—	—
247529 2002 QE_{121}	16.5	X	0.23830	336.85678	300.10052	6.20914	0.1034217	0.20224447	2.8744292	21	6 27.3	19.8
247530 2002 QL_{123}	16.6	X	88.67563	290.04651	347.64527	4.82686	0.0801474	0.21460852	2.7629398	21	11 1.1	20.7
247531 2002 RX_{9}	15.9	X	10.21646	246.69524	333.66178	13.26456	0.0406633	0.24674170	2.5175282	21	4 14.6	19.3
247532 2002 RP_{12}	16.9	X	253.71506	126.63932	179.92973	5.66746	0.2877037	0.24239291	2.5475503	21	2 18.4	21.4
247533 2002 RK_{16}	15.6	X	122.26742	180.16971	181.47304	5.48781	0.1291433	0.17657203	3.1466959	21	1 6.7	20.1
247534 2002 RS_{27}	16.6	X	332.43369	262.46012	147.43433	6.00594	0.0787218	0.21389905	2.7690459	21	11 14.9	20.0
247535 2002 RQ_{36}	17.1	X	216.41055	75.21244	297.02274	4.80148	0.1888259	0.24390405	2.5370170	21	4 11.2	21.4
247536 2002 RV_{55}	16.7	X	182.85576	133.36766	237.23541	3.71775	0.2217131	0.23755509	2.5820213	21	3 14.1	21.2
247537 2002 RV_{61}	15.4	X	88.75354	224.26628	175.68188	16.77893	0.2269497	0.17358399	3.1827042	21	1 24.2	19.8
247538 2002 RF_{66}	15.8	X	111.83514	196.50424	205.61740	34.74020	0.3529468	0.22687243	2.6624507	21	3 1.1	20.3
247539 2002 RK_{70}	16.4	X	177.42659	115.43882	264.08991	7.51009	0.1777858	0.23924864	2.5698221	21	3 16.1	20.8
247540 2002 RN_{81}	16.2	X	41.32843	13.35413	355.18783	7.35900	0.1818460	0.21689133	2.7435186	21	—	—
247541 2002 RO_{110}	15.9	X	342.89211	54.64725	341.27603	12.47653	0.1936828	0.21023715	2.8011072	21	11 8.8	19.0
247542 Ripplrónai	16.8	X	188.00059	348.36249	21.61904	3.81287	0.2433942	0.23749146	2.5824825	21	3 20.4	21.2
247543 2002 RO_{120}	15.8	X	252.10467	173.92542	150.94316	14.98233	0.1140910	0.24318026	2.5420485	21	3 27.3	19.7
247544 2002 RT_{127}	16.3	X	297.52641	58.26301	212.26752	13.53144	0.1218933	0.24468187	2.5316375	21	2 28.8	20.0
247545 2002 RA_{143}	16.5	X	152.64649	341.04709	317.87024	6.45790	0.2295389	0.22679556	2.6630523	21	—	—
247546 2002 RY_{171}	16.4	X	167.26417	342.13625	359.74686	3.93195	0.0316336	0.23129609	2.6283943	21	1 12.8	20.0
247547 2002 RV_{180}	16.6	X	219.57182	156.43779	171.84095	3.72234	0.2187912	0.23839073	2.5759839	21	2 21.7	21.1
247548 2002 RR_{183}	15.0	X	127.51466	171.88762	224.04002	16.84681	0.1223089	0.18026296	3.1035951	21	2 14.9	20.0
247549 2002 RS_{201}	16.8	X	166.55222	268.38021	137.62945	4.77340	0.2290178	0.23995325	2.5647889	21	4 16.5	21.1
247550 2002 RC_{218}	15.6	X	81.09473	333.24138	81.56969	6.09036	0.2023644	0.17689474	3.1428678	21	1 31.0	19.5
247551 2002 RW_{218}	15.4	X	72.16910	271.58647	137.88605	12.33603	0.1595477	0.17634549	3.1493903	21	1 3.6	19.4
247552 2002 RH_{224}	16.6	X	3.15624	166.73075	115.19607	11.46784	0.2280619	0.25644820	2.4535954	21	7 12.7	18.2
247553 Berndpauli	14.6	X	122.10496	14.80642	347.30265	8.67991	0.1543912	0.12441702	3.9738932	21	1 22.2	20.5
247554 2002 RE_{242}	15.9	X	46.81341	164.98612	252.21000	3.52104	0.1463374	0.17321306	3.1872462	21	—	—
247555 2002 RX_{263}	16.1	X	183.39139	246.54952	88.42497	11.25534	0.1365489	0.23127413	2.6285607	21	1 31.5	20.3
247556 2002 RC_{273}	16.1	X	338.42158	327.68045	160.86957	11.41376	0.1522473	0.22656003	2.6648976	21	—	—
247557 2002 RY_{273}	16.4	X	303.04155	290.60915	133.29525	5.49501	0.0539756	0.21307088	2.7762164	21	10 21.9	20.0
247558 2002 RJ_{279}	16.0	X	176.77532	74.64650	291.60087	7.74081	0.1501490	0.18407491	3.0605982	21	3 4.6	21.1
247559 2002 SE_{4}	15.9	X	136.29521	119.91549	227.06674	10.11859	0.2509171	0.22919823	2.6444085	21	1 8.1	20.0
247560 2002 SE_{10}	15.6	X	308.40971	253.82766	10.70120	7.05055	0.1271987	0.18855096	3.0119670	21	3 19.7	19.6
247561 2002 SZ_{11}	16.1	X	222.29135	86.14143	185.09628	11.36249	0.1841471	0.23070043	2.6329166	21	—	—
247562 2002 SX_{13}	15.1	X	13.73709	130.41261	0.02496	15.95371	0.0551815	0.17731453	3.1379053	21	1 15.9	19.6
247563 2002 SY_{24}	14.5	X	142.66312	0.04500	351.75372	7.95693	0.1655266	0.12471084	3.9676491	21	1 30.9	20.6
247564 2002 SQ_{27}	17.0	X	246.23652	208.75421	135.70487	5.28519	0.3067035	0.24380990	2.5376701	21	3 31.5	21.5
247565 2002 SE_{32}	17.1	X	236.36462	289.72542	27.81497	10.88431	0.3069277	0.24046386	2.5611568	21	2 24.3	21.9
247566 2002 SW_{42}	16.5	X	131.51622	36.83127	344.25118	3.34927	0.1591112	0.23036276	2.6354890	21	2 4.9	20.3
247567 2002 SZ_{51}	14.8	X	79.84379	355.72091	23.69681	24.36426	0.1558472	0.17132667	3.2105990	21	—	—
247568 2002 SR_{53}	15.1	X	112.38950	12.45098	332.72721	18.87004	0.1159150	0.16985017	3.2291785	21	—	—
247569 2002 SZ_{63}	17.3	X	186.22217	163.43392	313.11229	21.99720	0.0530639	0.35775606	1.9652210	21	8 4.7	19.1
247570 2002 SJ_{66}	16.3	X	354.83585	244.65232	143.12740	8.51738	0.2352663	0.21291445	2.7775760	21	12 5.2	19.1
247571 2002 SY_{71}	16.0	X	213.09251	254.79152	75.01023	14.77901	0.2265322	0.23685071	2.5871380	21	2 25.4	20.8
247572 2002 SB_{73}	16.7	X	226.19145	37.87369	119.38145	5.24166	0.0166289	0.21527409	2.7572419	21	11 13.9	20.5
247573 2002 TJ_{2}	17.2	X	210.28911	176.08681	205.59192	5.65169	0.2903493	0.24169848	2.5524276	21	4 18.5	21.7
247574 2002 TA_{18}	15.3	X	123.66086	16.96434	12.89514	15.63509	0.0484387	0.17871899	3.1214443	21	2 6.7	20.0
247575 2002 TP_{20}	15.5	X	163.64985	194.30830	193.12352	14.92500	0.0687610	0.18377136	3.0639676	21	3 13.9	20.2
247576 2002 TL_{27}	15.3	X	163.20909	328.71290	12.01032	6.42654	0.0797163	0.17603399	3.1531044	21	1 22.9	20.1
247577 2002 TR_{29}	16.6	X	198.72759	125.18409	203.18209	4.49192	0.2524267	0.23426833	2.6061155	21	2 6.0	21.2
247578 2002 TC_{31}	16.4	X	287.73170	312.91518	32.12814	5.44782	0.1364509	0.24806336	2.5085781	21	5 28.6	19.6
247579 2002 TO_{36}	16.1	X	174.50529	348.67635	19.68581	10.17810	0.1298012	0.23394312	2.6085302	21	3 5.4	20.2
247580 2002 TN_{44}	16.0	X	166.42015	153.26800	199.20396	12.38594	0.1847747	0.23012909	2.6372726	21	2 3.8	20.5
247581 2002 TJ_{46}	15.3	X	41.39455	246.63916	211.64360	27.28613	0.1630344	0.22351985	2.6890073	21	—	—
247582 2002 TR_{47}	16.6	X	234.76460	319.77515	42.58180	5.36101	0.2633602	0.24249377	2.5468439	21	4 14.7	21.1
247583 2002 TW_{50}	16.3	X	207.27214	157.78424	218.52448	11.74717	0.2769105	0.23924516	2.5698471	21	4 8.9	20.9
247584 2002 TY_{56}	15.4	X	99.53943	206.79696	172.06275	9.63012	0.0756591	0.17464279	3.1698274	21	—	—
247585 2002 TU_{64}	15.4	X	231.89093	214.24204	38.31860	28.63621	0.0625256	0.22630858	2.6668711	21	—	—
247586 2002 TA_{85}	16.9	X	187.64501	243.73724	133.83816	5.74632	0.2844463	0.23758745	2.5817869	21	3 31.5	21.6
247587 2002 TW_{88}	16.3	X	175.09309	133.70484	217.36343	11.15606	0.2139174	0.23321783	2.6139356	21	2 10.5	20.9
247588 2002 TW_{92}	16.4	X	3.34843	234.06058	235.33122	5.60130	0.1047379	0.22326344	2.6910657	21	—	—
247589 2002 TF_{125}	16.1	X	269.29685	359.58476	299.19230	8.44612	0.1096765	0.24112440	2.5564773	21	3 6.5	20.0
247590 2002 TN_{137}	16.8	X	234.59196	118.61181	272.60198	5.81879	0.2770870	0.24556859	2.5255395	21	5 17.3	21.1
247591 2002 TS_{154}	15.1	X	112.98402	155.00256	221.00321	10.09227	0.2131056	0.17691788	3.1425936	21	1 21.9	19.8
247592 2002 TB_{158}	16.4	X	262.26838	176.27372	161.92251	14.35657	0.2003542	0.24449560	2.5329231	21	4 15.7	20.5
247593 2002 TE_{171}	16.5	X	256.59478	24.82819	324.82330	11.62197	0.1054322	0.24475231	2.5311518	21	4 25.2	20.5
247594 2002 TL_{177}	15.3	X	81.68423	8.47736	333.11435	17.88322	0.1837833	0.21814021	2.7330373	21	—	—
247595 2002 TR_{179}	16.2	X	201.15857	96.15921	278.65937	12.68490	0.1963014	0.23751252	2.5823298	21	3 28.7	20.8
247596 2002 TP_{185}	15.8	X	220.08624	339.83173	349.32294	15.30824	0.1483460	0.23791919	2.5793864	21	2 26.8	19.8
247597 2002 TZ_{185}	16.8	X	229.85342	18.35120	299.99106	3.91400	0.2855722	0.23939866	2.5687484	21	2 16.0	21.3
247598 2002 TG_{187}	16.3	X	153.54427	118.68711	272.95972	3.83557	0.1204781	0.23503234	2.6004647	21	3 6.2	20.3
247599 2002 TL_{190}	16.2	X	176.18667	285.26163	74.51819	13.39081	0.2253591	0.23316314	2.6143443	21	3 4.7	20.8
247600 2002 TT_{198}	14.6	X	105.08550	117.90650	242.86624	16.38078	0.1873204	0.17282384	3.1920299	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
247601 2002 TW_{212}	16.3	X	191.16291	280.86468	126.70686	13.27266	0.2561501	0.24190447	2.5509785	21	5 10.9	21.0
247602 2002 TY_{225}	16.0	X	155.19692	174.45346	244.18761	13.29769	0.0825597	0.24103522	2.5571078	21	4 4.9	20.0
247603 2002 TZ_{231}	16.1	X	213.73009	28.00914	285.51600	12.34126	0.1759387	0.23532493	2.5983087	21	1 29.3	20.4
247604 2002 TX_{237}	15.6	X	223.72582	81.79127	240.49893	15.89267	0.2605055	0.23893865	2.5720443	21	2 11.1	20.5
247605 2002 TP_{254}	16.4	X	261.07719	262.59076	61.97167	7.70206	0.2375156	0.24256038	2.5463776	21	3 25.8	20.6
247606 2002 TO_{267}	15.9	X	160.23488	84.39177	244.77918	5.93973	0.1412700	0.22679093	2.6630885	21	—	—
247607 2002 TP_{268}	16.6	X	238.40579	84.51571	255.78331	5.19055	0.1796339	0.24218158	2.5490321	21	3 22.6	20.8
247608 2002 TZ_{272}	16.4	X	237.66801	334.80557	339.64920	8.49839	0.1628102	0.23839619	2.5759446	21	2 22.8	20.6
247609 2002 TK_{277}	16.0	X	281.66384	112.95100	254.32410	4.64524	0.0852201	0.19689625	2.9262477	21	6 29.8	20.0
247610 2002 TQ_{281}	16.2	X	146.98160	102.90301	259.62425	10.61906	0.1264853	0.22859248	2.6490781	21	1 22.9	20.2
247611 2002 TH_{288}	16.0	X	136.89467	160.21556	242.00562	9.27952	0.2238213	0.23083313	2.6319075	21	3 11.0	20.2
247612 2002 TC_{289}	15.6	X	213.24505	90.56572	231.58267	13.64861	0.3407422	0.23492264	2.6012742	21	2 5.7	20.8
247613 2002 TS_{290}	16.0	X	204.36563	105.83603	226.69093	10.61076	0.1954658	0.23390949	2.6087802	21	2 11.5	20.6
247614 2002 TT_{290}	16.1	X	117.53282	152.83973	245.53498	8.45027	0.1297163	0.22803571	2.6533883	21	2 2.3	19.8
247615 2002 TP_{292}	16.5	X	166.14980	340.46076	23.64442	16.09181	0.3185700	0.23207478	2.6225116	21	3 7.3	21.4
247616 2002 TF_{300}	16.7	X	265.89979	267.02988	180.07527	22.42964	0.1214575	0.36216389	1.9492429	21	10 9.9	18.2
247617 2002 TP_{303}	15.7	X	108.06081	82.72873	11.28896	25.54058	0.2397949	0.18242923	3.0789769	21	4 18.3	20.5
247618 2002 TH_{309}	15.9	X	205.88559	244.50794	86.22892	7.58078	0.0365857	0.18107807	3.0942743	21	2 24.0	20.5
247619 2002 TC_{312}	17.0	X	247.29449	265.25580	125.53963	7.61573	0.1251461	0.24745339	2.5126989	21	6 12.5	20.7
247620 2002 TX_{318}	15.7	X	312.98705	242.32536	341.69941	7.77743	0.0372437	0.18434171	3.0576443	21	2 17.0	19.8
247621 2002 TQ_{325}	15.5	X	20.28400	293.33788	182.35293	11.92925	0.0581256	0.17593354	3.1543046	21	1 1.7	19.9
247622 2002 TH_{367}	17.0	X	216.94022	177.34775	114.19334	6.30391	0.2898173	0.23349384	2.6118753	21	1 9.4	21.7
247623 2002 TS_{376}	16.9	X	286.81582	303.17265	332.13360	11.50909	0.1626676	0.24286224	2.5442672	21	2 21.6	20.6
247624 2002 TD_{384}	17.0	X	236.42169	226.00465	80.07340	4.59141	0.2220790	0.23617346	2.5920815	21	2 10.9	21.4
247625 2002 UT_{2}	14.9	X	100.16986	78.30423	283.88773	24.97373	0.2360317	0.16882906	3.2421860	21	—	—
247626 2002 UV_{5}	15.2	X	78.49077	320.02592	73.68337	28.57705	0.2061601	0.17066713	3.2188652	21	—	—
247627 2002 UF_{23}	16.8	X	201.20004	269.53189	73.94286	4.40657	0.2930102	0.23552511	2.5968363	21	3 1.1	21.5
247628 2002 US_{24}	16.2	X	212.38428	274.55340	38.19510	17.65344	0.1940639	0.23307871	2.6149756	21	2 5.9	21.0
247629 2002 UM_{25}	16.4	X	190.89522	66.98980	273.38648	5.20533	0.1165133	0.23291389	2.6162091	21	2 9.4	20.4
247630 2002 UL_{28}	15.4	X	127.32218	316.28325	58.13486	16.83963	0.1890717	0.22668573	2.6639123	21	1 31.4	19.5
247631 2002 UC_{47}	17.1	X	220.91847	225.28097	147.20833	4.87722	0.2570075	0.24180539	2.5516752	21	4 17.6	21.5
247632 2002 UA_{71}	15.5	X	201.59473	146.33080	184.34035	11.34131	0.0956694	0.17907835	3.1172669	21	2 14.6	20.5
247633 2002 VY_{4}	15.4	X	218.64478	284.66223	110.16402	17.41050	0.1165757	0.18267725	3.0761895	21	5 25.1	20.5
247634 2002 VM_{12}	16.5	X	244.59799	24.69769	14.84247	6.64272	0.1044494	0.24697149	2.5159664	21	6 22.7	20.2
247635 2002 VS_{29}	16.2	X	242.16921	142.86410	245.45767	3.31785	0.1937289	0.24429103	2.5343370	21	5 27.1	20.0
247636 2002 VV_{39}	15.0	X	117.64729	158.51874	201.85835	14.66387	0.2546728	0.17120903	3.2120695	21	1 14.7	20.1
247637 2002 VZ_{40}	15.8	X	351.86366	182.97432	268.23778	4.98313	0.0926809	0.21515240	2.7582815	21	—	—
247638 2002 VP_{44}	17.0	X	238.69346	137.11722	209.98306	11.67107	0.3223051	0.24127651	2.5554028	21	3 24.9	21.8
247639 2002 VV_{55}	16.3	X	259.04580	21.54859	342.16867	7.37159	0.2762192	0.24488467	2.5302396	21	5 1.3	20.6
247640 2002 VM_{65}	16.3	X	175.11395	144.92463	211.90927	12.52239	0.2057122	0.23199151	2.6231391	21	2 16.9	20.8
247641 2002 VZ_{76}	15.0	X	85.44186	344.61963	63.92531	23.03138	0.0202556	0.17035745	3.2227649	21	1 4.8	19.8
247642 2002 VH_{92}	15.1	X	83.47082	84.07045	16.21264	25.54447	0.2821166	0.17310003	3.1886336	21	4 9.9	19.4
247643 2002 VQ_{114}	15.6	X	115.59249	213.25957	236.40339	9.56318	0.2067243	0.17845568	3.1245140	21	4 22.7	20.4
247644 2002 VF_{120}	15.8	X	163.61883	313.70876	50.67399	13.15641	0.2439132	0.22828031	2.6514926	21	3 1.8	20.5
247645 2002 VA_{123}	15.6	X	198.38445	71.45786	349.71913	8.75895	0.1463594	0.18856691	3.0117972	21	5 29.9	20.6
247646 2002 VJ_{131}	15.7	X	260.87303	346.29023	315.91754	15.38036	0.2450658	0.24011501	2.5636369	21	2 19.8	20.0
247647 2002 VX_{132}	16.8	X	148.86297	212.06084	185.74459	6.14645	0.1445500	0.23286682	2.6165617	21	3 12.9	20.7
247648 2002 VG_{135}	16.5	X	195.05659	155.99885	185.70410	2.79919	0.2251645	0.23309554	2.6148497	21	2 19.0	21.0
247649 2002 WG_{5}	16.6	X	195.49944	91.94919	260.67130	2.83239	0.2424186	0.23363863	2.6107961	21	3 3.7	21.2
247650 2002 WK_{6}	16.7	X	174.60516	60.32274	307.60542	4.10670	0.1793203	0.23247027	2.6195364	21	3 3.0	21.0
247651 2002 WK_{15}	15.6	X	333.00350	24.83915	93.59763	16.21398	0.1502530	0.21414229	2.7669486	21	—	—
247652 Hajossy	16.6	X	159.93888	49.09927	314.62111	9.92192	0.1700727	0.22916009	2.6447019	21	2 12.7	20.8
247653 2002 WE_{28}	13.1	X	11.32910	204.89702	57.49696	21.80187	0.0846664	0.08436681	5.1485898	21	6 24.7	19.7
247654 2002 XS_{10}	16.1	X	255.91917	118.25425	204.64272	6.22221	0.1226963	0.23602036	2.5932023	21	3 24.5	20.0
247655 2002 XV_{19}	15.3	X	207.42599	87.13704	247.44681	18.24465	0.2199595	0.18077702	3.0977087	21	2 17.9	21.0
247656 2002 XX_{26}	16.1	X	106.25197	141.74421	274.50550	14.85443	0.1498307	0.22854194	2.6494686	21	2 10.4	19.8
247657 2002 XW_{52}	16.2	X	170.96096	108.69185	276.37512	3.97146	0.2820838	0.23206164	2.6226106	21	3 24.6	21.0
247658 2002 XN_{63}	16.3	X	244.02297	335.58765	26.12646	3.94369	0.2950855	0.24140436	2.5545004	21	4 18.3	20.6
247659 2002 XY_{64}	15.8	X	115.91685	290.82939	71.30397	9.96621	0.2458270	0.21968141	2.7202397	21	1 7.9	19.5
247660 2002 XC_{67}	15.8	X	122.24799	39.29771	72.44740	17.08976	0.0672402	0.18242061	3.0790739	21	5 14.8	20.3
247661 2002 XF_{69}	15.2	X	181.65285	26.69076	356.45849	30.72386	0.2131841	0.23114523	2.6295378	21	3 24.9	19.8
247662 2002 XU_{77}	16.0	X	80.57106	234.41520	275.47303	11.34135	0.1074037	0.23230902	2.6207485	21	5 7.5	19.4
247663 2002 XO_{83}	16.4	X	232.40451	312.63346	59.89787	6.03512	0.2418301	0.24018904	2.5631100	21	4 26.7	20.6
247664 2002 XU_{83}	16.1	X	184.51357	202.25598	165.78536	11.09685	0.2429338	0.23409567	2.6073968	21	3 15.6	20.7
247665 2002 XY_{89}	16.6	X	240.46893	209.68222	153.96089	5.86664	0.3659549	0.24277411	2.5448829	21	4 16.4	21.3
247666 2002 XT_{92}	16.6	X	172.00269	24.35803	331.50044	2.13237	0.1768596	0.22968051	2.6407054	21	2 15.8	20.6
247667 2002 XS_{99}	15.9	X	151.37027	352.51556	86.55829	3.77039	0.1557649	0.18230311	3.0803968	21	5 11.6	20.8
247668 2002 XE_{103}	15.6	X	235.70591	115.17146	255.58563	7.69034	0.1143122	0.18619023	3.0373730	21	5 6.9	20.2
247669 2002 XO_{110}	15.4	X	193.08639	161.89832	279.54430	8.40856	0.1107906	0.18880601	3.0092540	21	6 21.5	20.1
247670 2002 XE_{118}	15.6	X	110.62290	23.16032	83.55666	29.09955	0.1137550	0.17994011	3.1073063	21	5 10.0	20.5
247671 2002 YM_{10}	16.6	X	148.58175	102.59257	282.27383	6.20694	0.2849991	0.22776972	2.6554537	21	3 7.2	21.1
247672 2002 YD_{11}	15.4	X	135.63397	296.97416	92.80046	27.05332	0.0710378	0.22482694	2.6785750	21	2 14.5	19.6
247673 2002 YS_{14}	15.4	X	200.36594	312.64856	109.34516	23.19167	0.1643433	0.18441677	3.0568146	21	6 7.6	20.6
247674 2002 YM_{19}	16.1	X	91.62169	78.51340	319.52709	0.52175	0.2503019	0.22162634	2.7043016	21	1 20.6	19.1
247675 2002 YP_{28}	17.1	X	76.49446	49.72501	93.50379	4.72040	0.1047458	0.28190914	2.3035445	21	4 21.0	19.5
247676 2002 YW_{31}	14.6	X	48.73963	245.47635	312.63141	25.45225	0.2392316	0.17328816	3.1863254	21	6 24.1	18.8
247677 2002 YA_{32}	15.4	X	182.66107	142.99105	286.29602	7.73274	0.1648220	0.18263833	3.0766264	21	5 26.7	20.5
247678 2003 AS_{1}	17.0	X	148.73125	215.48905	186.11436	7.00527	0.2563777	0.23115876	2.6294352	21	3 27.9	21.2
247679 2003 AR_{4}	15.2	X	123.05778	91.77478	281.95917	23.16697	0.2291322	0.17368390	3.1814835	21	1 28.6	20.2
247680 2003 AJ_{5}	16.2	X	122.24520	249.19972	161.24620	5.44507	0.2564498	0.22549666	2.6732689	21	3 15.8	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
247681 2003 AU_{12}	15.4	X	176.56660	165.62621	254.87433	12.98810	0.1435899	0.23428699	2.6059772	21	5 6.8	19.6
247682 2003 AU_{41}	15.4	X	55.48356	294.77370	142.88229	24.88280	0.2384583	0.21647093	2.7470696	21	1 6.3	18.2
247683 2003 AE_{47}	17.0	X	145.30204	51.62839	80.41145	6.09208	0.0860212	0.29116250	2.2544767	21	7 4.5	20.1
247684 2003 AN_{64}	15.7	X	133.71774	64.47320	13.77752	9.79868	0.2179743	0.17768754	3.1335123	21	4 26.6	20.7
247685 2003 AF_{67}	15.4	X	122.74912	6.37022	21.61222	9.20549	0.3426409	0.22264383	2.6960562	21	3 1.9	19.7
247686 2003 AY_{73}	16.1	X	123.46012	42.78629	59.47810	11.78520	0.1010328	0.23152324	2.6266749	21	5 3.8	19.8
247687 2003 AO_{75}	15.5	X	346.19525	239.96350	313.56341	26.93266	0.1076564	0.22208949	2.7005406	21	2 4.6	18.9
247688 2003 BQ_{7}	17.0	X	51.59966	204.07876	299.59911	4.72333	0.1578513	0.27671600	2.3322756	21	3 8.7	18.9
247689 2003 BM_{18}	15.3	X	80.98586	161.23430	312.37533	9.11184	0.0568421	0.16934571	3.2355883	21	3 19.7	19.9
247690 2003 BA_{25}	16.0	X	117.44651	136.31909	282.59248	12.04572	0.2479544	0.22317283	2.6917941	21	3 13.3	20.3
247691 2003 BU_{27}	14.8	X	30.65570	59.13302	148.16303	16.49561	0.1892951	0.17066728	3.2188633	21	5 27.0	18.8
247692 2003 BW_{29}	16.3	X	165.81743	106.43263	301.05614	7.06014	0.1151553	0.22891567	2.6465841	21	4 6.4	20.4
247693 2003 BU_{31}	16.6	X	181.90519	83.05820	337.78108	0.91579	0.2236836	0.23370329	2.6103145	21	5 14.9	21.2
247694 2003 BF_{36}	16.4	X	111.89990	342.12139	130.61701	4.40334	0.1527155	0.22867794	2.6484180	21	5 10.5	20.1
247695 2003 BE_{37}	15.9	X	103.61530	85.42546	160.13243	14.23342	0.1263828	0.18690259	3.0296503	21	10 15.7	20.6
247696 2003 BJ_{43}	15.2	X	216.07231	130.88652	280.69874	14.29316	0.0968067	0.18405659	3.0608013	21	6 8.6	19.9
247697 2003 BE_{51}	15.7	X	142.18718	272.37684	133.62387	12.11142	0.0062889	0.22201916	2.7011109	21	3 4.0	19.4
247698 2003 BZ_{51}	17.0	X	331.49072	337.84078	164.46548	5.58950	0.1818357	0.26440875	2.4040980	21	—	—
247699 2003 BC_{74}	16.1	X	133.24551	319.81226	69.79323	10.73395	0.3164314	0.22409292	2.6844210	21	3 12.1	20.7
247700 2003 BC_{86}	17.6	X	30.18620	320.22118	124.69090	3.77230	0.1477561	0.26754385	2.3852802	21	—	—
247701 2003 CS_{4}	15.1	X	68.71394	71.36271	117.18279	26.93798	0.2153322	0.17675196	3.1445600	21	7 4.9	19.5
247702 2003 CC_{7}	15.7	X	19.73593	176.23022	339.05842	9.33581	0.1026670	0.21824709	2.7321450	21	2 10.9	18.8
247703 2003 CF_{8}	15.0	X	69.22467	248.36067	345.70610	26.10103	0.2536678	0.17801509	3.1296673	21	9 6.9	19.4
247704 2003 CT_{9}	15.4	X	82.20028	142.48897	308.81947	10.78719	0.0931572	0.21947931	2.7219093	21	2 19.5	18.9
247705 2003 CF_{24}	16.5	X	83.65279	62.09188	344.97019	3.69623	0.0656849	0.21268205	2.7795991	21	—	—
247706 2003 DJ_{4}	16.5	X	79.67669	229.59464	261.79278	2.47399	0.2350112	0.22424023	2.6832452	21	5 4.2	19.9
247707 2003 DA_{7}	15.3	X	130.51194	156.32081	9.20846	8.43766	0.0186039	0.18278007	3.0750356	21	7 26.7	19.7
247708 2003 DT_{14}	16.0	X	135.33562	348.65342	154.26182	14.33179	0.2463683	0.18216421	3.0819625	21	7 17.8	21.4
247709 2003 EV_{1}	15.3	X	17.92769	331.22230	3.19894	9.45989	0.1202059	0.18842766	3.0132808	21	10 12.4	19.1
247710 2003 EV_{10}	14.8	X	14.10883	281.48915	340.37675	22.03611	0.0800455	0.17568306	3.1573020	21	7 3.9	19.3
247711 2003 EU_{31}	17.4	X	46.08183	312.05813	222.10553	4.27797	0.1686329	0.27759970	2.3273233	21	4 18.3	19.1
247712 2003 EE_{39}	14.6	X	79.85578	40.94735	148.86771	29.99259	0.2469046	0.17399313	3.1777128	21	7 24.1	19.5
247713 2003 EA_{57}	15.1	X	94.09563	195.72355	34.14312	18.03964	0.1290635	0.18456747	3.0551505	21	9 21.5	19.8
247714 2003 EA_{58}	15.4	X	91.24920	97.62858	129.84393	16.82286	0.2165585	0.23100986	2.6305650	21	9 26.2	19.7
247715 2003 FT_{1}	15.7	X	39.13105	144.05742	341.93717	4.89975	0.0614590	0.21423747	2.7661290	21	2 3.2	19.2
247716 2003 FW_{17}	16.0	X	92.47587	79.38992	343.33847	4.45569	0.0514072	0.21325378	2.7746288	21	1 27.4	19.5
247717 2003 FA_{20}	15.7	X	66.59033	42.50242	133.65068	17.90052	0.2101120	0.17246859	3.1964116	21	6 16.3	20.2
247718 2003 FT_{22}	15.0	X	119.39008	144.61928	4.26560	27.76493	0.1181676	0.17759108	3.1346469	21	7 4.7	20.3
247719 2003 FD_{43}	15.7	X	90.41896	254.16678	9.11408	22.18467	0.0061867	0.23983176	2.5656550	21	10 8.8	19.1
247720 2003 FS_{74}	15.7	X	92.24727	58.15720	170.18538	16.68988	0.1629700	0.17906424	3.1174306	21	9 12.9	20.5
247721 2003 FX_{83}	16.8	X	2.80585	181.69859	333.69773	5.63181	0.1796264	0.26627206	2.3928693	21	—	—
247722 2003 FX_{89}	15.4	X	109.99743	257.18033	346.03212	13.81921	0.0654921	0.18574571	3.0422170	21	10 5.8	20.0
247723 2003 FW_{90}	15.0	X	103.16251	240.66829	319.48728	8.34874	0.1597211	0.17745038	3.1363036	21	8 19.7	19.8
247724 2003 FM_{98}	15.3	X	51.46275	296.26915	331.77034	11.69007	0.1481521	0.17895610	3.1186864	21	9 8.7	19.4
247725 2003 FC_{123}	16.2	X	332.54156	150.66640	24.89229	8.47905	0.1555530	0.21054860	2.7983443	21	—	—
247726 2003 FM_{131}	15.6	X	332.66812	359.29341	356.25645	10.63676	0.0198168	0.18248601	3.0783382	21	9 2.6	19.9
247727 2003 GC_{21}	15.1	X	23.06247	187.71758	141.05297	14.07834	0.0181221	0.18501220	3.0502526	21	10 7.8	19.5
247728 2003 GX_{23}	17.3	X	27.32020	314.99979	227.83231	4.18506	0.1677901	0.27258985	2.3557521	21	3 19.4	19.1
247729 2003 GG_{30}	17.5	X	159.83898	170.92038	129.84953	4.42880	0.2119034	0.30566501	2.1825904	21	—	—
247730 2003 GK_{51}	15.1	X	353.06805	174.20130	81.35763	11.03593	0.1176411	0.16984705	3.2292181	21	5 19.1	19.0
247731 2003 HN_{6}	17.4	X	348.52779	219.34056	65.10782	3.72686	0.1530002	0.27749111	2.3279305	21	6 10.2	19.2
247732 2003 HZ_{18}	15.5	X	76.32220	255.04758	45.52085	13.84586	0.1514070	0.18605673	3.0388257	21	11 20.0	20.1
247733 2003 HW_{19}	17.1	X	139.59529	42.07987	228.61069	7.35466	0.1494450	0.29858106	2.2169771	21	12 31.7	20.6
247734 2003 HD_{27}	15.4	X	97.59074	216.94134	68.25109	8.70095	0.1281898	0.18559381	3.0438767	21	11 22.8	19.9
247735 2003 HY_{37}	16.9	X	190.85359	332.90976	337.34540	3.56654	0.1934794	0.30985154	2.1628859	21	—	—
247736 2003 HP_{51}	15.3	X	73.76020	44.51893	229.28642	15.06710	0.1669148	0.18005189	3.1060201	21	10 16.5	19.9
247737 2003 JD_{10}	15.7	X	72.30413	146.73034	137.14368	5.41994	0.2342920	0.18064734	3.0991909	21	11 8.4	20.4
247738 2003 KX_{1}	15.9	X	337.66510	320.96202	125.42324	11.59545	0.0507334	0.19144332	2.9815533	21	12 31.6	19.9
247739 2003 KZ_{34}	16.5	X	76.73871	253.71740	76.19530	9.07526	0.1709543	0.29338683	2.2430673	21	—	—
247740 2003 LY_{3}	16.0	X	354.63432	57.59845	255.73245	20.70449	0.2887443	0.27712873	2.3299594	21	8 4.5	17.7
247741 2003 LM_{5}	17.1	X	135.12335	79.30170	232.22146	3.87065	0.1582864	0.30253544	2.1976164	21	—	—
247742 2003 LJ_{6}	16.1	X	152.45503	342.02022	289.62439	13.95358	0.2704454	0.24227625	2.5483681	21	—	—
247743 2003 MX_{7}	16.0	X	65.28485	29.48355	315.69823	27.02521	0.2975302	0.28672596	2.2776730	21	—	—
247744 2003 ME_{9}	15.5	X	68.20264	13.46059	285.14377	14.10038	0.1639799	0.22901841	2.6457925	21	11 15.6	19.5
247745 2003 NX_{8}	16.5	X	102.85623	131.17863	181.56121	21.84572	0.2876807	0.28889926	2.2662358	21	—	—
247746 2003 NK_{10}	16.1	X	3.17793	166.88575	178.39738	6.80194	0.0402376	0.22502715	2.6769860	21	10 4.9	19.3
247747 2003 OT_{10}	16.4	X	195.36251	186.11009	87.90388	4.68636	0.1740641	0.24612724	2.5217165	21	—	—
247748 2003 OL_{16}	15.8	X	340.41848	68.55213	328.35941	22.61437	0.3261127	0.27524815	2.3405600	21	12 26.4	17.8
247749 2003 OT_{18}	16.0	X	160.60136	357.62773	276.02558	14.46805	0.1722744	0.24014364	2.5634331	21	—	—
247750 2003 OW_{21}	14.6	X	51.44302	241.05200	181.54290	25.77697	0.3170724	0.17886574	3.1197367	21	—	—
247751 2003 OG_{24}	17.1	X	5.38732	110.37570	249.81598	3.41840	0.1815922	0.28139760	2.3063354	21	11 25.8	19.1
247752 2003 OE_{31}	16.8	X	323.99485	138.50547	237.96551	2.52129	0.2619761	0.27303047	2.3532170	21	9 5.2	18.0
247753 2003 PE	16.9	X	121.45898	345.30261	339.99816	6.35674	0.2467153	0.29542706	2.2327283	21	—	—
247754 2003 PU	16.1	X	39.74064	318.97783	332.38968	23.55790	0.1298067	0.27566958	2.3381740	21	9 21.9	19.1
247755 2003 PA_{1}	15.6	X	46.17950	147.48077	157.07250	29.81841	0.1316488	0.22355017	2.6887642	21	10 30.4	19.7
247756 2003 PH_{5}	16.8	X	326.92585	340.17473	292.95532	4.61310	0.2125895	0.26624019	2.3930603	21	3 29.4	19.4
247757 2003 PM_{8}	17.1	X	112.87681	166.95742	156.45660	5.71179	0.2157846	0.29304352	2.2448189	21	—	—
247758 2003 QH_{4}	16.8	X	29.87799	106.53412	238.68178	2.07218	0.1313197	0.28230583	2.3013861	21	12 5.7	19.3
247759 2003 QE_{5}	16.2	X	269.87615	10.59856	319.08560	13.15319	0.2752153	0.26040373	2.4286853	21	3 24.8	20.4
247760 2003 QN_{5}	16.1	X	313.82652	105.93014	287.13319	20.92663	0.3137043	0.27264075	2.3554589	21	8 15.6	18.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
247761 2003 QC_{11}	15.8	X	85.73546	51.29760	280.95156	10.50617	0.2067628	0.23560642	2.5962388	21	—	—
247762 2003 QF_{15}	15.2	X	126.45421	21.70117	312.46978	13.45511	0.1043011	0.18408233	3.0605160	21	—	—
247763 2003 QX_{17}	14.7	X	303.49271	342.67821	348.66928	16.05834	0.1348788	0.15639817	3.4117846	21	6 3.8	19.6
247764 2003 QL_{26}	17.3	X	71.49084	13.76133	296.90868	4.69567	0.2188162	0.28479959	2.2879322	21	12 21.2	20.8
247765 2003 QU_{40}	16.6	X	46.53259	12.42586	320.79028	6.44949	0.1387354	0.28371612	2.2937533	21	12 12.9	19.5
247766 2003 QJ_{52}	17.1	X	34.95107	303.49654	18.37537	3.11945	0.2638135	0.28067588	2.3102873	21	11 30.8	20.0
247767 2003 QN_{52}	16.2	X	120.06270	215.38686	93.61361	4.50821	0.2528906	0.23753098	2.5821960	21	—	—
247768 2003 QB_{54}	17.2	X	356.55748	297.45435	46.94839	2.95066	0.2243133	0.27610890	2.3356931	21	10 18.8	18.7
247769 2003 QE_{66}	16.9	X	346.57952	50.77938	314.89306	3.04955	0.1960208	0.27667433	2.3325098	21	10 23.9	18.5
247770 2003 QA_{74}	16.9	X	5.47761	96.28264	284.88611	4.67169	0.1751830	0.28262765	2.2996388	21	12 26.3	19.1
247771 2003 QO_{87}	16.4	X	28.87405	13.97213	334.89485	6.45557	0.1507411	0.28146063	2.3059910	21	12 11.7	19.2
247772 2003 QM_{90}	16.4	X	21.41679	15.22303	335.76289	5.71782	0.1904762	0.27918819	2.3184871	21	12 9.6	19.0
247773 2003 QM_{100}	17.0	X	357.44136	154.28537	179.14464	4.53412	0.1286706	0.27518955	2.3408922	21	9 20.9	19.1
247774 2003 QZ_{101}	16.5	X	166.23143	315.83255	327.37036	7.17067	0.1564603	0.24076170	2.5590442	21	—	—
247775 2003 QW_{105}	16.1	X	67.56274	282.35050	353.46033	23.16343	0.2655235	0.27855426	2.3220034	21	10 27.3	19.9
247776 2003 QL_{107}	16.2	X	120.78730	264.97257	92.74880	8.65103	0.1430367	0.24128094	2.5553715	21	—	—
247777 2003 QR_{110}	16.9	X	336.22042	338.75058	28.42991	5.39527	0.2337149	0.27546764	2.3393165	21	10 2.9	18.2
247778 2003 RF	16.6	X	354.64732	63.64901	316.28641	22.26135	0.2333105	0.27902083	2.3194141	21	12 14.7	19.1
247779 2003 RU	17.0	X	16.01659	92.38675	299.74942	21.35392	0.3015530	0.28422747	2.2910014	21	—	—
247780 2003 RA_{1}	16.4	X	298.59591	277.70237	97.55152	6.51627	0.1806731	0.26880794	2.3777963	21	7 22.5	18.9
247781 2003 RQ_{4}	16.5	X	313.06288	147.79467	230.10053	6.00029	0.1230420	0.27209413	2.3586126	21	8 28.4	18.9
247782 2003 RZ_{7}	16.9	X	7.89843	80.65227	248.17450	6.04269	0.1396231	0.27540541	2.3396689	21	10 2.8	19.3
247783 2003 RE_{11}	17.0	X	135.67216	184.65019	113.74215	6.88611	0.1802947	0.29275662	2.2462852	21	—	—
247784 2003 RR_{13}	14.5	X	23.79252	107.12690	326.83858	25.48229	0.2213730	0.17875312	3.1210469	21	—	—
247785 2003 RK_{17}	15.7	X	115.87718	80.15665	193.76628	26.03437	0.3415981	0.23221505	2.6214554	21	12 11.4	21.1
247786 2003 SR_{8}	16.7	X	285.12528	341.04125	190.51912	4.65549	0.0782403	0.23553677	2.5967506	21	—	—
247787 2003 SL_{13}	16.6	X	306.53346	51.07100	359.40004	5.94961	0.1479073	0.27541604	2.3396087	21	10 5.8	18.5
247788 2003 SE_{28}	16.4	X	129.73649	290.28938	346.89750	27.19079	0.1950681	0.23202646	2.6228757	21	12 24.0	21.4
247789 2003 SL_{38}	16.7	X	22.88205	13.15911	287.81914	8.13476	0.1706113	0.27297031	2.3535627	21	9 20.2	19.2
247790 2003 SZ_{38}	16.6	X	92.92936	99.70686	296.15662	7.71539	0.1709611	0.23904161	2.5713057	21	1 2.7	19.4
247791 2003 SK_{39}	17.4	X	337.44327	179.58380	205.90474	1.71724	0.2146158	0.27570632	2.3379663	21	11 6.8	18.7
247792 2003 SM_{40}	16.6	X	325.55591	64.82948	295.63047	3.20650	0.1755302	0.27083488	2.3659178	21	8 22.5	18.6
247793 2003 SR_{43}	16.6	X	262.61915	92.06176	323.97671	5.92746	0.0926815	0.27078965	2.3661812	21	8 11.0	19.5
247794 2003 SR_{46}	17.2	X	356.06923	191.47614	200.71224	2.53362	0.2440453	0.27940722	2.3172753	21	—	—
247795 2003 SX_{54}	16.7	X	58.79601	117.45873	254.56077	4.71083	0.1821347	0.28747650	2.2737069	21	—	—
247796 2003 SL_{59}	17.2	X	285.08831	29.66826	301.95946	14.66925	0.2419639	0.26447850	2.4036753	21	4 12.9	21.1
247797 2003 SN_{60}	16.9	X	54.89623	104.42548	287.92291	2.00222	0.1666205	0.28925934	2.2643547	21	—	—
247798 2003 SR_{60}	17.3	X	303.89331	300.44827	345.28808	10.17869	0.2542086	0.26131180	2.4230555	21	3 11.0	20.6
247799 2003 SR_{69}	16.1	X	339.93384	113.19942	191.25349	8.50289	0.1907659	0.21189508	2.7864770	21	6 22.3	19.1
247800 2003 SF_{72}	16.2	X	315.48826	65.71371	272.46239	3.23609	0.0760612	0.21256071	2.7806568	21	7 10.7	19.6
247801 2003 SF_{74}	16.3	X	195.45167	201.04477	201.12018	7.89915	0.2050643	0.20089381	2.8872984	21	5 5.8	21.3
247802 2003 SD_{76}	15.6	X	343.45183	333.29239	1.98635	7.51075	0.0696646	0.21428092	2.7657550	21	8 23.4	19.0
247803 2003 SD_{89}	17.6	X	8.40787	167.93865	171.36966	5.44749	0.1856090	0.27724632	2.3293005	21	11 1.3	19.7
247804 2003 SS_{90}	16.7	X	21.15494	231.58487	107.79625	6.10020	0.2447969	0.27794367	2.3254028	21	12 3.4	19.1
247805 2003 SF_{96}	17.0	X	353.72516	173.45540	180.83253	5.47569	0.2167331	0.27568220	2.3381026	21	10 28.1	18.5
247806 2003 SV_{105}	15.9	X	313.58150	64.56199	260.45448	6.92836	0.2277823	0.26632560	2.3925486	21	5 22.8	18.5
247807 2003 SD_{110}	16.8	X	344.45429	25.11141	339.26828	4.36978	0.1692159	0.27343572	2.3508913	21	10 13.5	18.5
247808 2003 SS_{110}	17.0	X	57.56727	147.06452	199.95952	4.92240	0.1973102	0.28297590	2.2977516	21	—	—
247809 2003 SN_{111}	16.1	X	56.97309	317.38877	322.60040	23.83322	0.1315437	0.27555423	2.3388264	21	9 27.7	19.5
247810 2003 SE_{117}	16.7	X	113.15975	318.33923	331.36818	2.87547	0.2211448	0.28545321	2.2844383	21	12 31.4	20.6
247811 2003 SY_{121}	17.4	X	340.04098	65.96125	302.03564	5.66088	0.1463947	0.27589528	2.3368986	21	10 7.1	19.5
247812 2003 SB_{124}	16.5	X	321.87745	265.89892	82.75724	5.62368	0.2141843	0.26878738	2.3779176	21	7 20.9	18.4
247813 2003 SW_{137}	16.7	X	354.63457	11.48492	352.95563	4.06660	0.2380838	0.27526933	2.3404399	21	11 16.2	18.4
247814 2003 SF_{141}	15.2	X	23.68096	105.75707	315.68017	15.19400	0.2112083	0.17733077	3.1377137	21	—	—
247815 2003 SS_{142}	16.7	X	59.76451	214.67962	147.97144	5.27891	0.1803346	0.28467014	2.2886257	21	—	—
247816 2003 SQ_{144}	16.2	X	69.65970	99.63661	241.34914	10.93574	0.2239005	0.28546819	2.2843584	21	—	—
247817 2003 SF_{147}	15.2	X	280.07997	108.46945	235.22479	9.56429	0.1109992	0.20469350	2.8514560	21	5 23.9	19.2
247818 2003 SX_{150}	16.6	X	29.48900	238.41433	89.33710	7.64979	0.1450796	0.27801022	2.3250317	21	11 14.2	19.2
247819 2003 SM_{154}	16.2	X	340.43428	144.37921	215.99348	5.88819	0.1310790	0.27241977	2.3567325	21	9 26.5	18.3
247820 2003 SC_{156}	15.6	X	218.26774	164.96242	189.09141	5.71977	0.0838580	0.19780963	2.9172329	21	3 31.4	20.0
247821 2003 SN_{170}	15.2	X	143.56291	84.69858	198.17894	11.46228	0.1254925	0.17612472	3.1520215	21	12 29.8	20.4
247822 2003 SH_{180}	17.4	X	1.46886	23.66233	351.01737	4.78761	0.2982018	0.28019197	2.3129465	21	12 31.4	19.5
247823 2003 SG_{185}	14.5	X	112.13159	133.49801	11.37438	9.67144	0.0210185	0.15075222	3.4964467	21	6 3.8	19.7
247824 2003 SD_{187}	16.1	X	42.38879	116.75187	174.72452	8.77828	0.1590087	0.21951468	2.7216170	21	10 6.1	19.4
247825 2003 SF_{190}	16.9	X	24.09735	211.10916	129.14366	10.24254	0.2477087	0.27876897	2.3208109	21	12 10.3	19.7
247826 2003 SC_{193}	15.4	X	72.95613	91.09018	263.06228	8.41142	0.0645788	0.17469899	3.1691476	21	—	—
247827 2003 SN_{198}	16.5	X	39.25754	123.33317	235.35632	6.73453	0.2777489	0.28236872	2.3010443	21	—	—
247828 2003 SD_{208}	17.3	X	5.76128	135.35024	211.18323	5.95798	0.1570049	0.27840756	2.3228190	21	11 1.6	19.5
247829 2003 SQ_{217}	16.5	X	274.67891	2.25328	45.94734	5.91894	0.2233972	0.26639675	2.3921226	21	7 27.8	19.5
247830 2003 SG_{218}	16.5	X	340.98890	146.22101	191.89622	4.02489	0.0802060	0.21280734	2.7785080	21	8 19.2	19.8
247831 2003 SP_{232}	17.2	X	345.38830	206.18756	145.54051	3.01356	0.2329559	0.27280024	2.3545408	21	10 1.5	18.5
247832 2003 SW_{245}	16.3	X	33.39043	133.05634	188.82631	7.03693	0.1073305	0.22170740	2.7036425	21	10 25.8	19.6
247833 2003 SO_{251}	16.4	X	242.64367	184.68661	215.62686	9.88320	0.2057743	0.26028433	2.4294280	21	6 10.8	20.3
247834 2003 SF_{254}	16.0	X	233.80697	297.58901	314.22265	7.82651	0.1321927	0.23887660	2.5724897	21	—	—
247835 2003 ST_{255}	17.2	X	356.69075	312.78445	21.69874	2.08534	0.1696872	0.27159896	2.3614784	21	9 24.6	18.8
247836 2003 SA_{258}	16.9	X	22.77120	300.05054	327.51444	9.09044	0.2396622	0.27043513	2.3682487	21	8 14.3	18.4
247837 2003 SV_{266}	17.0	X	297.51935	208.36288	170.30639	4.14860	0.1135817	0.26854459	2.3793506	21	8 4.9	19.5
247838 2003 SF_{275}	16.9	X	19.86169	134.13101	169.38234	1.86851	0.0572246	0.27193381	2.3595394	21	9 7.9	19.4
247839 2003 SJ_{280}	16.9	X	339.19497	294.53739	70.82497	5.78386	0.2575912	0.27383079	2.3486296	21	10 11.8	18.0
247840 2003 SK_{282}	17.0	X	40.49880	75.35436	219.99981	1.91266	0.2358480	0.27577225	2.3375936	21	10 28.3	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
247841 2003 SQ_{283}	15.1	X	21.72615	117.99443	321.02119	15.90654	0.2147149	0.17951187	3.1122462	21	—	—
247842 2003 SM_{292}	15.6	X	158.21157	162.40825	249.77620	10.64671	0.1146355	0.19610593	2.9341044	21	4 7.5	20.2
247843 2003 ST_{318}	16.9	X	7.52080	282.28579	14.69813	6.50810	0.1348588	0.27028383	2.3691324	21	8 17.2	19.0
247844 2003 SZ_{318}	17.2	X	270.48509	87.84199	332.62848	2.18102	0.1659122	0.26874072	2.3781928	21	8 16.3	19.9
247845 2003 SA_{322}	17.3	X	217.01691	233.52932	57.20422	11.56513	0.1170835	0.24365144	2.5387702	21	1 6.2	21.3
247846 2003 SS_{350}	16.2	X	210.70915	164.54688	279.56078	3.38488	0.0729720	0.21040448	2.7996220	21	7 15.1	20.1
247847 2003 SH_{352}	17.7	X	1.49808	279.90080	29.51327	2.80804	0.2299161	0.27060094	2.3672812	21	8 31.4	19.1
247848 2003 SF_{369}	17.4	X	34.40929	83.26172	206.90746	3.74008	0.1365424	0.27411682	2.3469955	21	9 23.3	19.7
247849 2003 SX_{412}	17.0	X	228.86500	275.56455	7.34398	10.39361	0.1042114	0.24419262	2.5350179	21	1 9.6	21.0
247850 2003 SX_{418}	16.7	X	291.79802	12.54535	130.74815	10.39507	0.0636579	0.22879069	2.6475478	21	—	—
247851 2003 TY_{5}	17.2	X	359.20499	318.21600	331.70203	3.80916	0.1999872	0.26557217	2.3970716	21	7 16.4	18.7
247852 2003 TY_{11}	16.0	X	179.09336	65.75492	35.93195	8.87880	0.2140899	0.25816589	2.4427000	21	7 3.2	20.3
247853 2003 TN_{18}	16.8	X	322.94185	149.15594	243.97394	2.07639	0.2252573	0.27243605	2.3566387	21	10 7.7	18.2
247854 2003 TV_{19}	15.4	X	73.15449	60.17206	338.47587	2.03151	0.2721777	0.12266353	4.0116750	21	1 21.9	20.5
247855 2003 UC_{4}	16.5	X	10.26591	0.06375	334.69773	8.78144	0.2833105	0.27478245	2.3432038	21	11 8.8	18.7
247856 2003 UR_{7}	14.9	X	74.45460	171.30380	202.26881	16.72634	0.1521751	0.18036342	3.1024425	21	—	—
247857 2003 UN_{36}	15.9	X	180.39042	331.46012	343.62591	13.60638	0.0777191	0.23952217	2.5678653	21	—	—
247858 2003 UA_{38}	17.2	X	1.38488	268.63598	95.92366	8.46643	0.2859880	0.27807663	2.3246615	21	12 12.9	19.0
247859 2003 UJ_{47}	16.5	X	323.68180	176.41145	174.99075	7.34061	0.1461967	0.26889599	2.3772772	21	8 5.7	18.7
247860 2003 UM_{47}	16.5	X	302.40695	282.47333	129.47893	8.64939	0.1809464	0.27063099	2.3671060	21	9 29.6	18.7
247861 2003 UB_{53}	15.5	X	240.95200	303.24056	317.70107	13.31018	0.1802309	0.24142816	2.5543326	21	—	—
247862 2003 UL_{55}	16.3	X	52.64519	50.19770	292.01884	4.24437	0.2006136	0.28011326	2.3133798	21	—	—
247863 2003 UQ_{74}	15.7	X	64.96435	24.26540	240.84729	10.05386	0.0654929	0.21438874	2.7648277	21	9 11.3	19.7
247864 2003 UC_{76}	15.5	X	103.71689	314.08437	358.77241	7.88643	0.0977436	0.17388953	3.1789749	21	12 26.5	20.4
247865 2003 UD_{80}	16.9	X	311.11502	246.83548	142.69306	8.08487	0.2199766	0.27002337	2.3706557	21	9 2.7	18.8
247866 2003 UH_{82}	16.9	X	9.05531	257.39340	38.88130	5.65576	0.2022541	0.27038948	2.3685153	21	8 26.9	18.7
247867 2003 UU_{94}	17.4	X	343.91588	114.23033	209.66755	6.33591	0.2286170	0.26950668	2.3736847	21	7 30.6	19.0
247868 2003 UY_{98}	16.2	X	265.24047	311.70833	38.13817	16.64738	0.1381435	0.25792931	2.4441935	21	5 5.1	19.7
247869 2003 UW_{108}	16.0	X	118.11923	175.25376	224.60109	4.36742	0.1705753	0.18586335	3.0409332	21	2 18.8	20.5
247870 2003 UU_{110}	16.4	X	147.13509	221.85329	207.47524	9.05815	0.1386709	0.19360355	2.9593331	21	4 23.1	21.0
247871 2003 UA_{121}	17.2	X	12.88134	253.09862	58.09912	3.23852	0.2010903	0.27208579	2.3586607	21	9 28.5	19.1
247872 2003 UH_{135}	15.5	X	314.89375	280.01049	197.06576	10.61849	0.0321551	0.17352874	3.1833797	21	—	—
247873 2003 UH_{141}	17.2	X	354.23892	197.08968	143.67225	8.21486	0.2281903	0.27406113	2.3473134	21	10 9.7	18.8
247874 2003 UJ_{145}	17.2	X	359.66365	274.37621	90.17500	2.05569	0.2226885	0.27477894	2.3432237	21	11 26.6	19.0
247875 2003 UO_{145}	17.2	X	325.35725	178.81215	184.52969	1.99127	0.2121924	0.26898138	2.3767741	21	8 22.9	19.0
247876 2003 UP_{151}	15.5	X	92.05435	326.62999	67.88439	9.11588	0.2329845	0.18146230	3.0899049	21	1 25.5	19.6
247877 2003 UU_{152}	16.2	X	323.59819	300.34641	69.36879	21.26684	0.3388456	0.26989214	2.3714241	21	8 21.9	18.2
247878 2003 UX_{153}	16.3	X	19.02900	274.42185	35.11247	4.33775	0.0795914	0.21402658	2.7679458	21	9 13.5	19.6
247879 2003 UR_{161}	14.9	X	101.16962	236.94424	150.68053	1.46790	0.2670927	0.12571486	3.9464957	21	2 9.5	20.6
247880 2003 UW_{162}	17.2	X	329.90840	304.34181	66.42196	3.97874	0.1822597	0.27118211	2.3638978	21	9 23.3	18.9
247881 2003 UG_{169}	15.9	X	149.24333	10.05517	37.71553	10.08535	0.2466451	0.19058508	2.9904976	21	4 9.0	20.9
247882 2003 UN_{171}	16.6	X	37.18962	134.12328	194.21745	4.40404	0.1804019	0.27607305	2.3358953	21	11 29.9	19.4
247883 2003 UF_{178}	15.2	X	110.74526	269.86254	17.64275	18.23635	0.1464215	0.17161852	3.2069581	21	12 2.9	20.5
247884 2003 UV_{183}	17.3	X	309.58084	229.78534	158.74792	0.43799	0.2278315	0.27004921	2.3705045	21	8 25.7	18.9
247885 2003 UU_{184}	16.6	X	336.18103	280.25155	21.81071	6.89759	0.1796665	0.26317511	2.4116050	21	6 8.5	18.8
247886 2003 UR_{191}	16.8	X	152.22289	42.94713	298.18652	6.55840	0.1427301	0.23966448	2.5668487	21	1 5.2	20.6
247887 2003 UK_{195}	16.1	X	218.84481	244.63426	233.73630	6.40442	0.1696295	0.20851709	2.8164904	21	8 26.1	20.6
247888 2003 UJ_{207}	16.9	X	8.06021	94.19405	258.29900	2.58230	0.2203281	0.27560750	2.3385251	21	11 24.1	18.8
247889 2003 UA_{210}	16.9	X	313.81369	129.63083	259.38982	2.44896	0.1746042	0.27006104	2.3704352	21	9 11.8	19.0
247890 2003 UY_{216}	15.4	X	96.51964	321.34420	8.69654	10.39155	0.0276526	0.17387814	3.1791137	21	—	—
247891 2003 UB_{222}	17.6	X	321.04135	248.32488	145.45282	5.07893	0.2378959	0.27245961	2.3565028	21	10 5.9	18.9
247892 2003 UA_{226}	17.8	X	347.38396	72.78501	350.78081	3.23289	0.1554427	0.27967624	2.3157891	21	—	—
247893 2003 UX_{228}	14.4	X	92.35240	136.81169	246.53518	7.93818	0.2688719	0.12337718	3.9961902	21	1 24.9	20.1
247894 2003 UN_{236}	17.4	X	307.76018	242.05729	133.55262	2.62322	0.1916563	0.26772967	2.3841764	21	8 6.8	19.4
247895 2003 UC_{243}	15.2	X	171.23321	325.39648	49.01214	13.75049	0.0343598	0.18987536	2.9979448	21	3 12.5	19.7
247896 2003 UG_{243}	15.4	X	330.82287	79.12099	18.71224	19.11604	0.1527960	0.17087692	3.2162300	21	—	—
247897 2003 UD_{244}	15.6	X	347.04088	278.95232	46.58343	7.96603	0.2040963	0.21033987	2.8001952	21	8 14.2	18.3
247898 2003 UV_{246}	16.3	X	108.84107	143.44139	219.45374	10.78854	0.1847627	0.23418057	2.6067666	21	—	—
247899 2003 UV_{249}	16.6	X	286.24927	277.27539	125.75487	3.54327	0.1905959	0.26695468	2.3887885	21	8 10.6	19.2
247900 2003 UL_{275}	15.2	X	117.21978	350.28159	14.69793	2.28216	0.3065537	0.12625837	3.9351619	21	2 4.0	21.4
247901 2003 UF_{277}	15.7	X	295.98464	280.46145	19.52651	13.06722	0.0728882	0.20017387	2.8942172	21	4 21.5	19.7
247902 2003 UJ_{281}	16.5	X	242.47751	353.48570	48.67794	9.03975	0.2077271	0.20439183	2.8542611	21	6 13.1	21.2
247903 2003 UO_{296}	17.5	X	128.47417	106.50147	186.00624	1.81205	0.1327492	0.28633643	2.2797382	21	—	—
247904 2003 UC_{315}	16.9	X	351.29453	234.26191	122.68654	2.92678	0.2193767	0.27132746	2.3630535	21	10 25.9	18.4
247905 2003 UE_{338}	16.5	X	18.60648	220.23592	17.60401	6.35257	0.0153845	0.20517583	2.8469855	21	5 29.9	20.3
247906 2003 UR_{353}	16.8	X	355.68014	231.25060	83.34264	5.54856	0.0600129	0.21257860	2.7805008	21	8 13.4	20.3
247907 2003 UE_{373}	15.9	X	136.70032	273.46375	256.47053	7.59524	0.0618798	0.21544595	2.7557755	21	8 8.3	20.0
247908 2003 VS	16.0	X	312.93703	120.63564	351.89067	23.38432	0.3117527	0.27730809	2.3289546	21	—	—
247909 2003 VA_{5}	17.3	X	279.39700	234.65425	168.37088	1.35180	0.1816046	0.26587549	2.3952482	21	7 31.8	20.2
247910 2003 VC_{11}	15.9	X	125.79213	65.31973	248.27890	7.57960	0.0604620	0.22872381	2.6480639	21	—	—
247911 2003 VO_{12}	15.6	X	136.60415	85.33918	288.06093	16.25046	0.2091776	0.18563810	3.0433926	21	2 7.8	20.5
247912 2003 WO_{22}	15.9	X	22.14232	235.83071	262.18138	15.74666	0.0921124	0.23945523	2.5683438	21	1 12.6	19.0
247913 2003 WA_{27}	15.9	X	142.23790	48.38289	26.19176	10.21319	0.1033871	0.19282527	2.9672906	21	4 20.7	20.3
247914 2003 WN_{29}	15.6	X	138.31495	103.48388	267.54238	7.70358	0.1484271	0.18428293	3.0582945	21	2 3.1	20.4
247915 2003 WT_{29}	15.8	X	154.62935	2.44991	25.83866	8.79949	0.1310877	0.18875425	3.0098040	21	3 14.6	20.5
247916 2003 WO_{34}	15.7	X	359.86393	57.32867	258.75632	6.64683	0.2205481	0.21140684	2.7907656	21	8 23.2	18.4
247917 2003 WJ_{38}	16.7	X	339.39030	109.62649	274.01168	8.18949	0.2085333	0.27232034	2.3573062	21	11 3.9	18.4
247918 2003 WB_{47}	16.8	X	346.97830	207.49891	29.37008	2.60482	0.1561146	0.25323355	2.4743163	21	3 26.7	19.4
247919 2003 WK_{57}	17.4	X	306.79214	67.61001	322.94540	0.79244	0.1682974	0.26903583	2.3764534	21	9 1.7	19.6
247920 2003 WF_{65}	14.9	X	105.04522	170.99469	211.05012	2.15866	0.2406657	0.12394906	3.9838889	21	2 3.6	20.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
247921 2003 WA_{67}	16.1	X	32.56062	214.53792	249.40981	7.45681	0.2413795	0.17639680	3.1487795	21	1 4.7	19.2
247922 2003 WO_{67}	15.8	X	39.25899	52.39264	44.07756	5.24268	0.1178871	0.17786412	3.1314380	21	1 6.7	19.5
247923 2003 WF_{71}	15.6	X	43.82138	93.59579	347.38248	15.05402	0.2339527	0.17749073	3.1358282	21	1 1.6	19.0
247924 2003 WH_{74}	15.5	X	138.88517	167.69366	260.54829	9.46166	0.1151916	0.18955940	3.0012753	21	4 7.5	20.2
247925 2003 WD_{87}	15.8	X	170.51714	41.36932	333.41588	11.79478	0.3573439	0.24577797	2.5241050	21	3 13.8	20.6
247926 2003 WU_{100}	15.8	X	24.09990	41.94207	291.21854	15.12029	0.2766321	0.22101994	2.7092458	21	11 18.5	19.2
247927 2003 WR_{101}	16.9	X	317.99161	114.40329	220.54343	3.71976	0.1721798	0.26420361	2.4053423	21	6 25.9	19.1
247928 2003 WT_{125}	14.8	X	45.84292	189.82399	276.98145	23.20909	0.1944768	0.17698424	3.1418081	21	1 27.5	18.5
247929 2003 WZ_{132}	16.8	X	359.56671	160.93642	194.83260	1.63849	0.2380188	0.27307034	2.3529879	21	11 14.8	18.4
247930 2003 WK_{136}	17.1	X	164.51480	301.68154	69.11637	15.08476	0.2797308	0.24412248	2.5355034	21	3 12.0	21.8
247931 2003 WG_{146}	16.0	X	262.67016	109.16014	352.33017	15.58318	0.2185854	0.21281458	2.7784450	21	9 17.6	19.8
247932 2003 WB_{159}	15.6	X	214.45723	283.01463	57.51343	9.80516	0.1263664	0.19184631	2.9773765	21	3 15.7	20.5
247933 2003 WL_{162}	16.2	X	276.86925	273.43167	106.38920	11.45230	0.1779204	0.26226919	2.4171552	21	6 25.9	19.2
247934 2003 WJ_{189}	15.4	X	282.81141	13.88613	337.30530	16.95774	0.1083874	0.20421130	2.8559430	21	6 4.2	19.8
247935 2003 WS_{190}	15.5	X	176.67356	272.77153	124.51184	21.98845	0.2065526	0.19273362	2.9682312	21	4 23.5	20.9
247936 2003 XJ_{1}	16.9	X	266.67447	268.77116	137.73346	6.85855	0.2082774	0.26301933	2.4125571	21	7 14.8	20.3
247937 2003 XQ_{14}	15.5	X	294.56541	166.00100	330.20385	11.20877	0.3027475	0.21677067	2.7445367	21	12 11.9	18.3
247938 2003 XK_{16}	15.2	X	44.92808	325.67210	225.45588	13.90003	0.1017093	0.19177863	2.9780769	21	5 14.9	18.9
247939 2003 XW_{17}	16.2	X	325.64993	346.49068	352.70026	8.77097	0.2607095	0.26126313	2.4233565	21	7 6.2	18.2
247940 2003 XX_{21}	15.9	X	36.95582	254.45907	238.45920	8.82033	0.2284755	0.17974931	3.1095048	21	2 18.6	19.2
247941 2003 XN_{42}	15.4	X	59.01368	53.61550	31.74536	18.91415	0.1778182	0.17888044	3.1195658	21	2 6.8	19.5
247942 2003 XM_{43}	15.4	X	82.26455	275.60398	108.41738	25.96582	0.2973448	0.17433253	3.1735872	21	1 8.3	19.1
247943 2003 YH_{7}	15.2	X	137.16741	253.70944	102.68917	15.70862	0.3157921	0.17870662	3.1215883	21	2 6.1	20.5
247944 2003 YO_{10}	15.1	X	348.57194	89.34958	62.98955	14.11332	0.1592561	0.17443513	3.1723426	21	—	—
247945 2003 YU_{12}	16.0	X	321.14499	73.45776	75.98081	12.04036	0.1281444	0.22393797	2.6856591	21	—	—
247946 2003 YE_{20}	12.8	X	343.73645	1.12332	301.60633	27.80119	0.0687485	0.08224752	5.2366576	21	7 9.7	19.5
247947 2003 YP_{20}	16.3	X	106.62453	57.25273	91.75023	9.94859	0.0495186	0.19066714	2.9896394	21	6 7.1	20.4
247948 2003 YD_{28}	15.4	X	102.38991	299.11283	85.37173	10.59788	0.2180774	0.17953729	3.1119524	21	1 24.1	19.8
247949 2003 YN_{33}	15.5	X	108.88008	308.57711	89.41016	10.81049	0.1554875	0.18297643	3.0728353	21	2 9.0	19.9
247950 2003 YE_{40}	15.6	X	20.46398	291.18757	295.30521	14.19607	0.1685792	0.24351228	2.5397374	21	5 17.9	18.2
247951 2003 YR_{43}	15.2	X	103.35647	313.92627	113.52151	17.40704	0.0761929	0.17905489	3.1175393	21	3 1.3	19.7
247952 2003 YE_{46}	15.8	X	206.17406	241.26519	72.85199	22.90479	0.0614114	0.23443937	2.6048478	21	1 26.7	20.0
247953 2003 YF_{63}	16.7	X	214.86863	269.02599	240.67271	3.39604	0.1698837	0.26442808	2.4039808	21	10 6.7	20.2
247954 2003 YP_{67}	15.2	X	189.22670	255.69795	77.27517	9.95191	0.1391880	0.18493588	3.0510917	21	2 11.2	20.2
247955 2003 YW_{70}	17.0	X	300.42383	59.93278	57.67319	5.30998	0.1833550	0.27629669	2.3346347	21	—	—
247956 2003 YC_{77}	15.3	X	75.65628	17.74859	83.65163	10.06944	0.0477052	0.18109471	3.0940848	21	3 3.8	19.6
247957 2003 YH_{79}	15.2	X	82.92210	348.47572	90.69770	12.14900	0.0838817	0.17844125	3.1246824	21	2 18.2	19.5
247958 2003 YH_{99}	15.3	X	63.01169	327.86299	97.55889	18.35260	0.0809308	0.17538849	3.1608362	21	1 1.7	19.4
247959 2003 YX_{106}	15.7	X	90.19524	290.51268	122.64856	22.26953	0.0738714	0.22992031	2.6388690	21	1 10.4	19.0
247960 2003 YL_{117}	17.5	X	129.54405	169.74940	102.77825	24.92239	0.0279702	0.38465807	1.8724899	21	—	—
247961 2003 YA_{123}	14.7	X	13.72228	296.30099	93.99152	16.84279	0.0900326	0.16139022	3.3410622	21	12 9.9	19.2
247962 2003 YZ_{130}	15.9	X	172.61234	163.49944	315.82829	6.71684	0.2180860	0.19733732	2.9218857	21	7 19.7	20.9
247963 2003 YY_{136}	16.0	X	13.86012	160.96204	228.62507	21.42475	0.2247802	0.27784688	2.3259428	21	—	—
247964 2003 YF_{139}	15.9	X	336.19847	129.37923	281.60094	15.26150	0.2518926	0.21975918	2.7195979	21	11 26.1	18.3
247965 2003 YO_{148}	15.6	X	44.52516	68.30300	39.23248	12.60828	0.1174445	0.17643212	3.1483593	21	2 2.7	19.7
247966 2003 YQ_{148}	16.1	X	181.46004	47.38897	10.92600	11.16987	0.1414049	0.24724326	2.5141223	21	5 6.2	20.1
247967 2003 YD_{149}	12.5	X	304.70538	11.78408	327.47655	26.98491	0.0157628	0.08287895	5.2100258	21	7 11.4	19.6
247968 2003 YN_{150}	17.0	X	317.81176	25.47813	47.82748	5.76332	0.2042441	0.27113278	2.3641845	21	12 3.4	18.4
247969 2004 AG_{17}	12.5	X	304.76907	32.62484	293.73694	16.99893	0.0974672	0.08111241	5.2853996	21	6 10.5	19.3
247970 2004 AJ_{20}	16.8	X	54.45632	19.66928	319.70852	3.97237	0.0823651	0.21385897	2.7693918	21	12 8.6	20.6
247971 2004 BA_{48}	15.1	X	269.07704	166.70647	116.94800	19.12648	0.1065924	0.18032217	3.1029156	21	3 4.6	19.9
247972 2004 BB_{73}	16.4	X	167.87083	125.72379	289.89491	9.44748	0.1060189	0.24300993	2.5432362	21	4 16.4	20.3
247973 2004 BJ_{84}	15.7	X	34.00570	252.88766	229.64374	12.35989	0.1894923	0.23037011	2.6354329	21	1 11.2	18.4
247974 2004 BR_{101}	16.0	X	249.55737	327.85568	301.68161	10.06695	0.0841371	0.22914836	2.6447921	21	1 16.2	19.7
247975 2004 BZ_{101}	15.1	X	29.54890	244.30764	312.33133	25.08020	0.2262035	0.17953942	3.1119277	21	4 23.9	19.0
247976 2004 BF_{102}	15.6	X	136.58067	306.58348	169.82404	16.50211	0.0769296	0.18513775	3.0488734	21	6 6.2	20.4
247977 2004 BK_{104}	15.1	X	91.38291	139.19341	286.74378	26.63894	0.1820554	0.17826283	3.1267670	21	2 11.2	19.7
247978 2004 BJ_{105}	15.9	X	180.40839	322.68325	135.50477	15.56695	0.1256157	0.19327215	2.9627149	21	6 30.1	20.8
247979 2004 CM_{5}	15.9	X	32.17930	349.99078	77.60799	6.28754	0.0427753	0.22068121	2.7120174	21	—	—
247980 2004 CF_{14}	16.0	X	125.15965	59.90437	302.42483	4.99790	0.0369701	0.22352897	2.6889342	21	—	—
247981 2004 CT_{16}	15.7	X	120.13604	338.12020	336.24923	6.30560	0.0856977	0.21483091	2.7610327	21	—	—
247982 2004 CE_{18}	15.7	X	154.17026	335.73942	335.93755	13.25875	0.0848859	0.22046052	2.7138271	21	—	—
247983 2004 CZ_{32}	16.1	X	73.39863	291.86951	113.97526	4.12164	0.1552524	0.17118397	3.2123830	21	1 1.9	20.1
247984 2004 CL_{71}	15.9	X	71.69670	3.62943	131.99571	7.43144	0.1292194	0.18035614	3.1025260	21	4 19.9	20.0
247985 2004 CB_{72}	15.9	X	282.89865	34.43649	101.29382	8.95544	0.1702757	0.21256224	2.7806434	21	12 9.1	19.2
247986 2004 CU_{77}	16.1	X	151.64572	328.81327	301.90309	2.58746	0.0587480	0.21265242	2.7798572	21	12 31.3	20.3
247987 2004 CV_{77}	15.8	X	132.35134	175.06891	151.45083	9.68329	0.0978310	0.21906736	2.7253206	21	—	—
247988 2004 CF_{78}	16.5	X	127.85996	43.40997	324.31424	6.90174	0.0389630	0.22501404	2.6770900	21	—	—
247989 2004 CW_{91}	15.9	X	193.76566	287.45053	317.80606	8.76002	0.1359024	0.21586403	2.7522161	21	—	—
247990 2004 CG_{118}	16.3	X	86.33367	50.10868	139.64028	2.68448	0.1216573	0.18991795	2.9974966	21	7 13.9	20.6
247991 2004 CA_{122}	16.8	X	107.40319	33.31016	13.27636	3.29086	0.0625746	0.22870363	2.6482197	21	1 24.9	20.3
247992 2004 CF_{122}	15.9	X	182.07469	348.63759	265.29113	5.26853	0.0762443	0.21293268	2.7774175	21	—	—
247993 2004 CL_{123}	16.5	X	202.50787	350.59463	310.98093	1.48961	0.0693884	0.22534699	2.6744524	21	1 6.4	20.2
247994 2004 CO_{128}	15.9	X	172.80863	75.88494	234.02252	6.75841	0.0419714	0.22016938	2.7162189	21	—	—
247995 2004 DJ_{10}	16.1	X	6.13942	205.33354	275.13441	2.56178	0.1258106	0.22377647	2.6869511	21	—	—
247996 2004 DV_{12}	15.6	X	333.32303	91.34054	6.39785	9.10654	0.1577175	0.21436871	2.7649999	21	—	—
247997 2004 DT_{22}	15.8	X	68.52427	309.21246	146.98242	14.81018	0.2727923	0.17468473	3.1693200	21	3 17.5	19.7
247998 2004 DS_{46}	15.4	X	38.18973	258.72772	318.03422	12.10635	0.1373095	0.18317208	3.0706468	21	6 11.8	19.3
247999 2004 DN_{55}	16.7	X	134.32044	36.66358	322.95644	5.69969	0.0496449	0.22471372	2.6794747	21	—	—
248000 2004 DX_{59}	16.2	X	164.21898	306.30720	333.21970	3.14521	0.0663987	0.21448967	2.7639602	21	—	—