ELEMENTS AND OPPOSITION DATES IN 2020

ECLIPTIC AND EQUINOX 2000.0, EPOCH 2020 MAY 31.0 TT

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
36001 1999 ND_{23}	14.7	X	191.47825	177.13105	125.75107	10.39563	0.1324215	0.21458427	2.7631478	20	1 8.9	19.1
36002 1999 NA_{24}	14.5	X	201.07733	8.96871	112.73512	23.05065	0.0822078	0.23968811	2.5666800	20	9 7.9	18.5
36003 1999 NX_{24}	14.7	X	310.94260	199.61949	56.03094	2.95691	0.1729202	0.27334082	2.3514354	20	3 4.4	17.4
36004 1999 NB_{25}	15.4	X	13.36158	231.99484	358.16571	3.46267	0.1829197	0.27902452	2.3193937	20	5 29.9	17.1
36005 1999 NH_{25}	14.4	X	160.16452	282.34704	87.59233	10.12704	0.1970478	0.21707578	2.7419644	20	3 7.8	19.0
36006 1999 NS_{26}	14.9	X	348.22094	177.78021	130.56326	3.23973	0.1317765	0.23561240	2.5961949	20	8 5.9	17.5
36007 1999 NJ_{31}	15.5	X	236.71585	276.34613	7.04999	2.23291	0.1956549	0.26583422	2.3954961	20	1 19.6	19.5
36008 1999 NH_{32}	15.2	X	320.25090	166.47755	131.54375	6.24341	0.1621041	0.23076303	2.6324405	20	5 24.8	18.1
36009 1999 NA_{35}	13.6	X	245.54191	203.03642	125.20934	18.32326	0.1159709	0.17708674	3.1405956	20	4 10.5	18.7
36010 1999 NH_{37}	13.4	X	282.57437	86.23876	312.96283	9.01543	0.1164156	0.18869148	3.0104715	20	8 15.6	17.4
36011 1999 NM_{37}	14.5	X	56.53012	113.21348	120.76733	14.22923	0.1393755	0.23606639	2.5928652	20	8 19.9	17.8
36012 1999 NC_{39}	14.0	X	271.80165	188.50502	119.29201	10.04629	0.1757339	0.17829981	3.1263346	20	4 3.8	18.8
36013 1999 NZ_{39}	14.6	X	219.87000	315.85296	333.90259	9.17930	0.1453218	0.21584129	2.7524094	20	1 20.9	19.1
36014 1999 NJ_{40}	15.1	X	7.08574	140.09012	118.91693	4.73498	0.1832818	0.23244600	2.6197187	20	7 1.8	17.3
36015 1999 NN_{40}	14.6	X	156.79157	357.70882	325.35024	8.74920	0.1496875	0.21067805	2.7971979	20	1 3.1	18.9
36016 1999 ND_{41}	14.1	X	277.17440	182.71931	118.12973	19.63085	0.2199659	0.22451923	2.6810218	20	3 26.6	18.5
36017 1999 ND_{43}	19.2	X	352.05109	52.10221	332.08390	5.54993	0.3141006	0.52418067	1.5234050	20	—	—
36018 1999 NA_{46}	13.1	X	248.62787	129.61163	121.57970	23.71654	0.1070207	0.17131450	3.2107510	20	1 9.1	18.1
36019 1999 NE_{48}	13.8	X	297.46539	176.81163	137.56962	14.40450	0.1668512	0.22997780	2.6384291	20	5 13.5	17.4
36020 1999 NL_{48}	14.4	X	357.73243	159.74210	173.14552	11.00153	0.1006535	0.19252398	2.9703855	20	9 19.3	17.8
36021 1999 NH_{49}	14.0	X	340.31257	320.58810	259.43449	5.38266	0.0743465	0.27091146	2.3654719	20	3 10.2	16.8
36022 1999 NQ_{49}	14.8	X	316.63839	136.30102	137.02082	14.57114	0.1511979	0.22752773	2.6573362	20	4 19.6	18.3
36023 1999 NS_{49}	13.2	X	312.87563	282.41457	140.35292	14.86533	0.2109778	0.19496228	2.9455676	20	11 3.7	16.5
36024 1999 NW_{50}	15.0	X	123.61887	112.73587	168.23584	1.82308	0.1712232	0.25151212	2.4855935	20	12 30.5	19.0
36025 1999 NY_{50}	15.2	X	165.22310	88.94691	174.89066	2.17852	0.1625709	0.25519553	2.4616181	20	—	—
36026 1999 NZ_{52}	12.7	X	195.37679	156.01173	236.73494	16.37781	0.1309913	0.17659064	3.1464748	20	4 29.6	17.9
36027 1999 NZ_{55}	13.4	X	36.48340	309.38719	247.68267	12.27274	0.1207428	0.22605825	2.6688396	20	5 20.8	16.5
36028 1999 NA_{57}	14.2	X	52.03030	37.77055	236.47566	13.11490	0.1358801	0.23742157	2.5829892	20	9 30.7	17.8
36029 1999 NF_{57}	14.3	X	337.89521	16.86064	240.34969	11.30300	0.2043397	0.22629565	2.6669727	20	4 17.9	17.1
36030 1999 NR_{59}	13.1	X	209.85460	79.70261	278.22683	20.49436	0.1136675	0.17450554	3.1714892	20	3 23.8	18.5
36031 1999 NG_{64}	15.0	X	326.27156	20.31067	188.21579	12.02098	0.0889315	0.21590480	2.7518696	20	2 8.8	18.8
36032 1999 OC	14.2	X	287.65232	195.00427	145.76166	11.46315	0.1255922	0.22982914	2.6395668	20	6 8.1	17.8
36033 Viseggi	14.8	X	343.64760	163.29192	153.31166	8.21885	0.2064390	0.18793325	3.0185634	20	7 31.5	17.7
36034 1999 OK_3	14.4	X	351.24130	313.73311	315.08432	8.90668	0.1395388	0.22973307	2.6403026	20	6 11.0	17.2
36035 Petrvok	13.4	X	183.55016	352.24242	158.22627	14.14729	0.1113300	0.23903077	2.5713834	20	9 18.8	17.2
36036 Bonucci	14.8	X	144.23534	191.93873	21.39081	2.02100	0.0512354	0.19469713	2.9482412	20	10 18.9	19.0
36037 Linenschmidt	15.0	X	266.01063	228.22691	144.08365	11.39909	0.0829529	0.18386375	3.0629411	20	6 25.2	19.5
36038 1999 PU_3	14.3	X	91.57890	27.42940	165.80998	3.09878	0.0874439	0.18444122	3.0565445	20	7 27.3	18.7
36039 1999 PA_4	13.6	X	328.35163	296.13951	6.05117	6.15376	0.0886639	0.18077315	3.0977529	20	6 19.9	17.7
36040 1999 PF_6	14.7	X	27.71378	352.14142	310.90232	3.32258	0.0308990	0.19012349	2.9953359	20	9 15.6	18.8
36041 1999 QU	14.1	X	118.91960	303.78404	163.11415	11.69134	0.1369756	0.17243214	3.1968621	20	5 19.8	19.1
36042 1999 QB_3	13.9	X	86.39541	52.74637	139.09225	1.86961	0.0938223	0.18338665	3.0682511	20	7 20.4	18.1
36043 1999 RN_2	13.7	X	130.36628	340.80104	227.21413	8.52571	0.0221825	0.19083118	2.9879259	20	9 21.7	18.1
36044 1999 RA_{10}	14.1	X	222.34420	68.37361	178.85189	0.66845	0.0800684	0.20551458	2.8438562	20	—	—
36045 1999 RZ_{12}	13.8	X	342.30171	197.38066	179.84182	9.38676	0.0803717	0.19184653	2.9773742	20	10 23.9	17.5
36046 1999 RH_{14}	14.0	X	15.81528	181.92963	156.20067	11.15208	0.1029278	0.19175567	2.9783147	20	10 27.8	17.9
36047 1999 RY_{14}	14.3	X	171.58861	331.53106	161.79351	10.05841	0.0425949	0.18437932	3.0572286	20	8 8.9	18.9
36048 1999 RR_{17}	14.5	X	301.07506	227.52547	334.30452	7.97529	0.0891433	0.21151271	2.7898343	20	1 3.4	18.4
36049 1999 RB_{18}	14.3	X	215.67050	272.29996	257.89812	0.73960	0.0085736	0.19539710	2.9411960	20	11 21.1	18.3
36050 1999 RE_{18}	14.6	X	282.77622	97.37366	170.63701	9.04295	0.1417065	0.21912458	2.7248461	20	2 22.4	18.4
36051 1999 RO_{19}	14.6	X	231.80103	312.98352	2.19381	2.49691	0.1763499	0.21768007	2.7368875	20	2 27.7	19.1
36052 1999 RS_{19}	14.1	X	19.02732	171.61964	166.46675	10.14723	0.1278246	0.19133678	2.9826599	20	11 3.8	18.0
36053 1999 RY_{23}	14.1	X	84.11473	121.75922	154.93587	10.60203	0.1018939	0.19233020	2.9723804	20	11 6.4	18.6
36054 1999 RJ_{24}	14.9	X	15.75324	261.68086	36.88345	0.87601	0.1913996	0.18670573	3.0317795	20	9 12.1	18.2
36055 1999 RP_{31}	14.8	X	87.75143	309.25847	12.80222	1.94614	0.0722702	0.19935924	2.9020962	20	12 29.9	19.0
36056 1999 RX_{32}	13.4	X	322.16097	312.33308	124.27338	3.26635	0.0639287	0.19709752	2.9242552	20	12 8.8	17.0
36057 1999 RC_{33}	13.4	X	72.25265	71.41714	153.02592	11.24264	0.1375333	0.23317611	2.6142473	20	8 25.2	16.9
36058 1999 RM_{35}	13.6	X	38.51301	84.48625	191.75936	2.99800	0.1315125	0.18566473	3.0431015	20	9 9.4	17.4
36059 1999 RT_{39}	13.6	X	45.89379	35.52922	242.22701	9.31939	0.0682382	0.18951093	3.0017870	20	9 9.1	17.8
36060 Babuška	14.6	X	118.25109	28.81009	197.69678	3.48599	0.2041412	0.23591280	2.5939905	20	10 20.8	18.8
36061 Haldane	14.1	X	67.92974	29.65194	108.54863	3.51220	0.0617995	0.16783040	3.2550348	20	4 16.2	18.5
36062 1999 RB_{47}	14.1	X	55.62222	322.47111	11.83367	5.57247	0.1781049	0.19850364	2.9104294	20	12 21.6	18.4
36063 1999 RD_{47}	13.7	X	140.73250	42.94608	132.54428	22.49128	0.0223453	0.23729936	2.5838760	20	9 4.7	17.4
36064 1999 RR_{47}	14.9	X	212.51741	93.93446	171.11592	3.93053	0.1616343	0.25996930	2.4313903	20	—	—
36065 1999 RX_{48}	14.3	X	190.19311	233.28676	132.13732	18.83007	0.1688555	0.17225410	3.1990645	20	3 30.7	19.8
36066 1999 RW_{49}	14.4	X	50.16981	199.81049	178.40673	2.39626	0.0692465	0.20304608	2.8668588	20	—	—
36067 1999 RD_{50}	14.2	X	203.94884	88.94609	242.13653	3.91256	0.1365361	0.17081796	3.2169702	20	2 24.7	19.4
36068 1999 RN_{51}	15.0	X	203.72285	94.51268	201.88176	4.20890	0.0997291	0.21350031	2.7724925	20	1 11.7	19.4
36069 1999 RV_{52}	14.0	X	312.98514	330.76890	32.63223	2.02454	0.1740593	0.18655655	3.0333956	20	8 9.1	17.3
36070 1999 RQ_{53}	13.8	X	347.97611	152.46481	195.23053	4.95186	0.0290713	0.19073301	2.9889511	20	9 19.7	17.7
36071 1999 RG_{56}	14.7	X	132.07991	58.85145	135.66888	10.08949	0.1048238	0.23941616	2.5686233	20	9 23.3	18.6
36072 1999 RJ_{56}	14.5	X	32.12051	158.03055	140.95132	10.62355	0.1147969	0.19095187	2.9866668	20	10 2.4	18.4
36073 1999 RX_{56}	15.1	X	121.29716	320.26966	293.64715	3.70299	0.1590819	0.24532769	2.5271926	20	11 24.3	19.2
36074 1999 RF_{58}	15.1	X	247.77819	113.38733	165.77023	3.53172	0.1533720	0.21719054	2.7409983	20	1 30.7	19.5
36075 1999 RU_{59}	13.6	X	199.45896	17.29801	2.02649	6.26407	0.1932372	0.17428091	3.1742138	20	4 15.9	19.0
36076 1999 RW_{60}	14.5	X	6.96532	107.07861	178.70029	10.87704	0.0501815	0.18521970	3.0479740	20	7 26.2	18.7
36077 1999 RL_{61}	14.3	X	226.90410	202.99595	102.80963	2.26647	0.1395731	0.17068132	3.2186869	20	2 18.5	19.5
36078 1999 RK_{62}	14.0	X	318.00105	242.19162	116.79594	6.29173	0.1024814	0.18664458	3.0324417	20	8 19.9	17.6
36079 1999 RH_{63}	14.8	X	258.08151	19.07262	224.39533	4.92996	0.1443199	0.26123106	2.4235548	20	—	—
36080 1999 RF_{64}	14.4	X	303.39307	358.59120	352.20492	9.62733	0.1051862	0.18361220	3.0657379	20	7 17.4	18.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
36081 1999 RG_{71}	13.0	X	251.98217	110.98861	352.87992	9.22430	0.0482884	0.19113215	2.9847885	20	10 6.2	17.3
36082 1999 RQ_{77}	14.1	X	94.14260	141.06119	341.04652	14.63621	0.0084115	0.17388900	3.1789813	20	4 13.4	18.8
36083 1999 RV_{81}	13.8	X	208.54444	151.25362	220.29299	3.81219	0.1564309	0.17220056	3.1997276	20	4 16.6	19.0
36084 1999 RR_{85}	13.8	X	189.80958	12.48843	160.07750	11.62903	0.0561820	0.19149434	2.9810237	20	10 22.1	18.3
36085 1999 RT_{85}	13.8	X	84.15520	75.44445	158.68852	10.04437	0.0116350	0.18550625	3.0448345	20	8 29.4	17.8
36086 1999 RW_{86}	13.5	X	242.91627	325.51330	22.23447	6.39869	0.1711019	0.17426715	3.1743808	20	4 18.5	18.6
36087 1999 RF_{88}	14.6	X	282.69641	274.47511	352.80438	4.61596	0.1052604	0.21731371	2.7399625	20	2 28.0	18.5
36088 1999 RD_{92}	14.0	X	343.87175	311.28704	348.43904	11.13248	0.1554234	0.18191367	3.0847916	20	7 12.1	17.6
36089 1999 RN_{92}	14.2	X	259.44530	179.68390	137.47009	1.83020	0.1592689	0.17323164	3.1870184	20	3 31.6	19.2
36090 1999 RN_{100}	14.0	X	29.35752	43.81783	254.19454	9.36731	0.0830637	0.19103263	2.9858250	20	9 14.2	18.1
36091 1999 RS_{100}	13.7	X	43.22131	64.60465	235.71992	9.33394	0.0867114	0.19232170	2.9724681	20	10 9.6	17.8
36092 1999 RS_{102}	13.7	X	295.05728	71.60996	269.35922	8.93033	0.0970724	0.18129945	3.0917550	20	6 20.6	17.6
36093 1999 RA_{103}	12.8	X	201.85381	95.36149	251.29148	6.80125	0.1249203	0.17015859	3.2252754	20	3 10.5	18.1
36094 1999 RM_{108}	14.0	X	86.86935	347.21973	282.98782	8.85643	0.0424297	0.19152095	2.9807475	20	10 18.3	18.4
36095 1999 RL_{109}	13.2	X	202.04607	278.93413	215.85996	10.61539	0.1550771	0.18574479	3.0422270	20	9 4.3	18.2
36096 1999 RU_{110}	13.4	X	329.90381	269.80040	340.65461	14.96300	0.0463384	0.16975552	3.2303787	20	4 13.1	18.0
36097 1999 RH_{112}	14.3	X	178.45397	342.51185	262.84265	6.63745	0.1031490	0.25245918	2.4793734	20	—	—
36098 1999 RW_{112}	13.7	X	296.21988	120.96756	274.48026	9.76953	0.0932262	0.18975062	2.9992586	20	8 29.8	17.7
36099 1999 RE_{113}	14.5	X	328.26843	117.11080	151.15384	12.99962	0.1470615	0.22878087	2.6476236	20	5 1.1	17.7
36100 1999 RC_{114}	13.5	X	15.41573	35.03261	251.75238	7.73308	0.0707445	0.18550552	3.0448424	20	8 9.4	17.5
36101 1999 RY_{115}	13.3	X	288.58773	215.59754	153.75788	12.05483	0.1462860	0.18440606	3.0569330	20	7 10.9	17.4
36102 1999 RA_{116}	14.1	X	288.34603	161.20867	155.19555	14.46075	0.2037101	0.22750297	2.6575289	20	4 27.2	17.9
36103 1999 RL_{116}	13.9	X	43.96761	32.14938	257.11285	8.83765	0.0801728	0.19202677	2.9755109	20	9 23.5	18.1
36104 1999 RY_{116}	14.0	X	78.81375	191.16383	322.43354	11.68564	0.1035470	0.22585026	2.6704779	20	5 20.2	17.8
36105 1999 RF_{118}	14.3	X	273.85817	117.61792	156.46356	13.60607	0.1252180	0.22071979	2.7117014	20	2 22.5	18.1
36106 1999 RN_{119}	13.8	X	123.97735	182.80138	308.02290	12.56854	0.1071061	0.22712708	2.6604603	20	6 19.9	17.9
36107 1999 RV_{119}	14.3	X	356.25899	5.98747	327.10087	14.50449	0.0742850	0.19021416	2.9943840	20	9 10.8	18.2
36108 1999 RK_{120}	15.0	X	257.17383	101.95635	172.88928	4.74339	0.1491257	0.26591523	2.3950095	20	1 28.7	18.7
36109 1999 RB_{122}	14.5	X	210.59577	170.60714	156.01265	5.34089	0.1398140	0.17081753	3.2169755	20	2 27.2	19.7
36110 1999 RV_{122}	14.1	X	355.46792	186.20417	118.31147	6.31408	0.1273263	0.18546224	3.0453162	20	8 8.1	17.7
36111 1999 RL_{126}	15.0	X	254.81259	333.49172	254.03064	4.29093	0.1558995	0.25963671	2.4334662	20	—	—
36112 1999 RB_{129}	13.1	X	253.66273	168.21383	155.91472	23.23426	0.0929731	0.17541331	3.1605380	20	4 14.3	18.1
36113 1999 RY_{129}	14.1	X	275.05544	257.67600	82.97489	2.31436	0.1771715	0.17969786	3.1100983	20	5 13.4	18.5
36114 1999 RA_{130}	15.0	X	303.38609	85.56578	149.12555	2.64360	0.1624212	0.26714587	2.3876486	20	1 26.9	18.1
36115 1999 RH_{133}	14.0	X	228.01975	22.05997	264.22755	8.15108	0.1205853	0.21463046	2.7627514	20	1 21.7	18.5
36116 1999 RY_{133}	13.8	X	263.72346	239.00448	191.40014	12.31515	0.0314565	0.18920568	3.0050148	20	9 11.2	18.0
36117 1999 RD_{135}	13.2	X	342.58678	203.20509	160.49924	11.35913	0.1120948	0.19058268	2.9905227	20	10 8.2	16.8
36118 1999 RE_{135}	13.5	X	39.88452	6.75907	161.41352	4.80215	0.0333019	0.22107394	2.7088046	20	4 9.3	17.0
36119 1999 RQ_{135}	15.5	X	70.80999	206.07832	46.79867	2.50386	0.1775895	0.28626452	2.2801200	20	10 13.8	18.6
36120 1999 RS_{136}	14.1	X	9.79830	178.87540	162.01879	10.39085	0.0996501	0.19188254	2.9770016	20	10 21.4	17.9
36121 1999 RO_{143}	14.3	X	321.23081	6.23891	274.80872	0.53666	0.1955856	0.17846494	3.1244058	20	4 27.5	18.1
36122 1999 RG_{145}	14.2	X	193.98724	11.27322	185.04688	13.24444	0.0934087	0.24543085	2.5264844	20	11 29.9	18.0
36123 1999 RS_{146}	13.8	X	133.97446	275.21838	310.15596	9.45844	0.0529111	0.19362270	2.9591379	20	10 17.6	18.4
36124 1999 RF_{147}	14.2	X	298.70718	300.38988	274.51946	7.82157	0.0834551	0.21405103	2.7677350	20	1 15.2	18.0
36125 1999 RG_{147}	13.8	X	268.06976	83.80878	287.91425	8.29325	0.1078901	0.18078202	3.0976516	20	6 23.1	18.1
36126 1999 RH_{148}	14.4	X	7.12994	317.72500	326.87837	10.22005	0.1189915	0.23257234	2.6187699	20	8 6.9	17.2
36127 1999 RJ_{150}	14.0	X	294.11180	152.75084	156.33224	7.63413	0.1504344	0.17894784	3.1187824	20	5 3.4	18.3
36128 1999 RK_{151}	14.1	X	310.39720	17.56312	69.15152	3.30287	0.0581863	0.19715721	2.9236650	20	12 4.5	17.9
36129 1999 RW_{156}	14.1	X	328.81110	217.10917	212.78298	1.56880	0.0574829	0.19666196	2.9285714	20	12 9.4	17.7
36130 1999 RG_{157}	14.5	X	67.39148	321.38490	63.24993	2.88367	0.0445204	0.20439559	2.8542260	20	—	—
36131 1999 RN_{158}	14.1	X	358.55335	136.72240	156.11177	11.52099	0.0464336	0.18357296	3.0661748	20	7 23.9	18.2
36132 1999 RU_{158}	13.5	X	311.61308	193.96573	158.61231	11.08343	0.0869912	0.18419660	3.0592500	20	7 30.8	17.4
36133 1999 RJ_{159}	14.3	X	354.55363	339.68352	114.14675	3.43402	0.0133259	0.20384130	2.8593979	20	—	—
36134 1999 RS_{162}	14.4	X	203.47681	339.80354	321.00478	9.14556	0.2216607	0.21258823	2.7804168	20	1 19.7	19.3
36135 1999 RO_{163}	14.8	X	40.68619	27.46148	246.73130	3.00773	0.2130127	0.23656149	2.5892462	20	9 30.1	18.0
36136 1999 RR_{165}	13.5	X	4.42124	348.68149	338.81194	5.23944	0.0425122	0.18822327	3.0154619	20	9 16.5	17.6
36137 1999 RV_{167}	13.4	X	92.17873	304.46462	151.44426	8.60273	0.0517022	0.16840906	3.2475742	20	3 24.8	17.9
36138 1999 RW_{167}	13.6	X	148.29569	14.95945	134.08778	3.97452	0.0434810	0.18302712	3.0722680	20	8 2.7	18.0
36139 1999 RY_{167}	13.9	X	297.03926	119.16663	158.87133	11.14687	0.1324776	0.17510217	3.1642810	20	3 31.9	18.3
36140 1999 RC_{168}	14.1	X	182.04274	255.27758	89.73183	1.92267	0.1852894	0.16698911	3.2659581	20	2 25.4	19.5
36141 1999 RF_{170}	14.4	X	256.19893	52.68050	227.59391	0.92192	0.1131968	0.16934868	3.2355504	20	2 17.9	19.3
36142 1999 RA_{173}	13.3	X	335.90135	154.08714	139.70983	16.55054	0.0507678	0.18040917	3.1019179	20	6 24.3	17.6
36143 1999 RR_{173}	13.2	X	317.30984	228.12687	141.44477	11.80688	0.1282280	0.18627705	3.0364291	20	8 30.7	16.7
36144 1999 RT_{173}	13.8	X	210.15434	229.81235	150.29241	15.59217	0.0450605	0.17416447	3.1756284	20	5 8.4	18.7
36145 1999 RK_{178}	13.1	X	208.72770	227.01020	160.86703	15.88175	0.0448189	0.17460526	3.1702815	20	5 15.6	18.0
36146 1999 RX_{181}	14.2	X	275.51111	295.10969	358.39909	2.80939	0.1915951	0.17436552	3.1731869	20	3 15.6	18.9
36147 1999 RA_{186}	13.7	X	102.06011	75.16585	97.33282	2.13649	0.0992754	0.18041287	3.1018755	20	7 15.3	18.2
36148 1999 RF_{192}	13.7	X	334.27267	327.68331	14.32892	10.50721	0.1244936	0.18644596	3.0345950	20	8 26.2	17.4
36149 1999 RQ_{192}	14.8	X	63.55867	306.37150	308.75835	2.91495	0.1933674	0.19000931	2.9965358	20	9 24.6	19.1
36150 1999 RE_{193}	13.2	X	132.12053	3.60923	142.57799	15.29914	0.0943773	0.17818701	3.1276539	20	7 14.5	18.1
36151 1999 RG_{193}	12.8	X	174.67132	20.22530	105.53143	10.84815	0.0534168	0.18111838	3.0938152	20	8 4.9	17.4
36152 1999 RE_{196}	13.7	X	106.93012	338.16254	273.31978	9.45603	0.0533995	0.19247803	2.9708584	20	10 20.2	18.2
36153 1999 RF_{201}	14.1	X	30.48118	337.20248	278.51816	11.88081	0.2235797	0.23138177	2.6277454	20	8 15.7	17.1
36154 1999 RY_{202}	13.3	X	162.04283	263.04822	280.44940	15.60847	0.1485023	0.19007463	2.9958492	20	9 22.0	18.5
36155 1999 RO_{206}	13.2	X	24.34597	304.81987	244.39560	15.91454	0.1160120	0.17008488	3.2262072	20	4 18.4	17.4
36156 1999 RQ_{206}	12.3	X	228.86498	78.28413	261.18795	13.98734	0.0874119	0.17034492	3.2229230	20	3 26.9	17.5
36157 1999 RH_{210}	13.4	X	71.39601	332.32877	330.72443	9.25709	0.0894653	0.19177554	2.9781089	20	11 16.3	17.9
36158 1999 RL_{216}	13.8	X	108.45950	346.29396	172.72244	10.63932	0.1291364	0.17651852	3.1473319	20	7 7.8	18.7
36159 1999 RZ_{217}	14.7	X	195.75382	131.16444	158.83626	12.58520	0.0955483	0.21174017	2.7878359	20	—	—
36160 1999 RZ_{218}	13.8	X	172.32507	324.51549	154.95639	10.24712	0.0552976	0.18037071	3.1023589	20	7 23.0	18.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
36161 1999 RB_{220}	13.8	X	316.57162	290.75667	121.56773	11.94383	0.0861997	0.19113376	2.9847716	20	11 2.3	17.7
36162 1999 RX_{221}	13.4	X	32.81825	348.90756	253.19525	11.75028	0.1093583	0.17907372	3.1173207	20	7 11.9	17.4
36163 1999 RQ_{222}	13.1	X	239.23636	131.22303	199.29735	22.59430	0.1373855	0.17251185	3.1958773	20	3 27.7	18.2
36164 1999 RN_{226}	14.2	X	27.59862	223.64445	226.23250	5.64353	0.0760026	0.20927090	2.8097229	20	—	—
36165 1999 RB_{227}	14.9	X	297.77901	296.05034	302.51083	8.99387	0.1586972	0.21761728	2.7374138	20	2 1.5	18.6
36166 1999 RY_{228}	14.8	X	107.46963	21.88740	201.28208	1.98458	0.0637911	0.18927529	3.0042779	20	9 19.6	19.1
36167 1999 RG_{230}	13.7	X	237.98264	249.59813	99.72374	8.48809	0.0552393	0.17593709	3.1542621	20	4 29.9	18.4
36168 1999 RF_{233}	13.6	X	276.21124	258.16716	123.73833	10.45395	0.0946165	0.18273021	3.0755950	20	7 18.6	17.9
36169 Grosseteste	13.8	X	76.72123	165.13728	120.51339	12.32524	0.0826520	0.19169511	2.9789419	20	11 8.2	18.3
36170 1999 RC_{242}	13.5	X	72.70393	16.94841	243.26820	9.54148	0.0683653	0.18975614	2.9992004	20	9 21.8	17.9
36171 1999 RM_{242}	14.4	X	338.86217	190.93057	120.37071	7.50968	0.3245555	0.18489110	3.0515844	20	7 2.2	16.6
36172 1999 RH_{247}	14.6	X	211.75930	6.63223	187.56354	1.70913	0.0925159	0.19743265	2.9209452	20	12 5.9	18.9
36173 1999 SN_{1}	13.2	X	139.25461	184.13783	39.26887	14.34583	0.1297343	0.23250532	2.6192731	20	11 1.9	17.3
36174 1999 SW_{2}	13.8	X	245.32064	155.66101	13.40959	1.39120	0.0923212	0.19522619	2.9429123	20	12 14.1	17.9
36175 1999 ST_{6}	13.8	X	247.58923	343.42950	52.62192	15.08486	0.0364547	0.17942099	3.1132970	20	7 9.4	18.5
36176 1999 SR_{9}	15.1	X	118.38727	139.29830	169.44850	5.86964	0.2260137	0.29509965	2.2343794	20	—	—
36177 Tonysharon	13.5	X	253.46739	38.37899	343.51014	8.58444	0.0523936	0.18194993	3.0843817	20	6 26.3	18.0
36178 1999 SP_{16}	13.7	X	137.49522	140.80370	313.25004	6.20747	0.0337283	0.17244674	3.1966817	20	5 9.2	18.5
36179 1999 SP_{19}	14.2	X	51.92079	283.73712	27.07002	11.26069	0.1475439	0.19270239	2.9685519	20	11 11.9	18.4
36180 1999 SQ_{19}	13.3	X	256.85536	189.50960	142.38539	12.36323	0.1046628	0.17438141	3.1729940	20	4 25.5	18.2
36181 1999 TT_{10}	12.8	X	52.46407	270.15659	31.23920	11.20300	0.0894615	0.18750940	3.0231105	20	10 24.8	17.0
36182 Montigiani	13.3	X	212.55307	320.54514	55.34289	4.48414	0.2035871	0.12426953	3.9770368	20	4 25.8	19.7
36183 1999 TX_{16}	16.2	X	272.34602	311.16382	54.66336	38.22196	0.3323635	0.51012171	1.5512680	20	5 16.4	17.3
36184 Pavelbozek	16.4	X	142.20551	168.03728	298.17197	0.41447	0.1475997	0.26693191	2.3889243	20	6 10.2	19.7
36185 1999 TG_{25}	13.8	X	238.63644	262.10243	13.51800	7.44352	0.1951507	0.21080711	2.7960561	20	1 19.5	18.6
36186 1999 TC_{31}	13.5	X	304.09723	292.42013	8.63797	13.06487	0.1199088	0.17552972	3.1591405	20	5 4.8	17.8
36187 Travisbarman	13.0	X	313.09365	146.21979	126.69776	7.07431	0.1768105	0.17254578	3.1954583	20	4 10.9	17.2
36188 1999 TD_{37}	13.0	X	354.08182	196.06660	61.12903	13.23725	0.1485331	0.22199362	2.7013181	20	5 29.4	15.8
36189 1999 TS_{37}	14.2	X	273.90105	310.39529	292.92931	5.40342	0.1723364	0.21480563	2.7612493	20	1 12.3	18.2
36190 1999 TG_{40}	14.1	X	357.42915	233.86451	21.67702	11.64936	0.1546008	0.22539595	2.6740651	20	5 31.5	16.9
36191 1999 TY_{78}	14.3	X	40.19912	34.84358	147.45104	1.91882	0.1296686	0.17035770	3.2227618	20	5 10.1	18.3
36192 1999 TC_{89}	13.9	X	316.07105	199.29491	25.79355	9.05467	0.2118772	0.21709738	2.7417824	20	2 3.9	17.6
36193 1999 TD_{89}	14.3	X	4.66050	169.71049	129.90702	3.49926	0.0980952	0.18421161	3.0590839	20	8 15.3	18.0
36194 1999 TP_{89}	14.3	X	4.43099	278.09273	28.02066	11.35329	0.1816582	0.18602872	3.0391307	20	9 5.2	17.7
36195 1999 TG_{90}	14.1	X	156.80708	245.14811	19.59360	2.63819	0.1921222	0.20077698	2.8884184	20	12 30.0	18.9
36196 1999 TT_{90}	13.4	X	248.27203	78.88247	44.30366	10.44911	0.0615057	0.19125004	2.9835617	20	10 27.1	17.6
36197 1999 TZ_{91}	13.8	X	325.10898	157.94335	62.04950	9.93380	0.2014279	0.21612363	2.7500117	20	2 12.3	17.3
36198 1999 TF_{92}	12.9	X	188.91735	121.83466	43.74917	10.51769	0.0445815	0.18905948	3.0065637	20	10 12.7	17.3
36199 1999 TD_{93}	14.6	X	241.80374	122.11031	158.21512	14.94824	0.1882608	0.21353312	2.7722085	20	1 24.4	19.3
36200 1999 TA_{97}	13.3	X	233.61724	198.21264	155.67089	16.15660	0.1679625	0.17229811	3.1985198	20	4 22.2	18.6
36201 1999 TE_{98}	13.4	X	299.02403	313.80279	72.25318	12.29114	0.1112411	0.18353128	3.0666390	20	8 29.7	17.5
36202 1999 TG_{98}	13.5	X	356.29518	249.53603	122.91245	11.18518	0.1044504	0.18992366	2.9974365	20	11 11.9	17.4
36203 1999 TZ_{98}	13.1	X	58.67331	158.78723	50.91097	13.33474	0.0570679	0.17615354	3.1516777	20	7 1.7	17.6
36204 1999 TM_{101}	12.6	X	276.02819	174.08586	168.53204	22.22186	0.0302046	0.17422042	3.1749484	20	6 9.3	17.5
36205 1999 TV_{101}	12.7	X	52.90785	95.71042	76.06689	12.79488	0.0542087	0.16893640	3.2408124	20	5 8.7	17.2
36206 1999 TK_{107}	14.0	X	65.40633	319.44582	310.34773	9.53111	0.1043887	0.18991409	2.9975373	20	9 29.2	18.3
36207 1999 TB_{110}	14.4	X	281.24462	322.20638	285.35965	7.32883	0.1670440	0.21482573	2.7610770	20	1 24.4	18.5
36208 1999 TB_{120}	13.1	X	336.11651	5.95030	240.66059	6.43202	0.1052284	0.17223805	3.1992633	20	4 16.7	17.2
36209 1999 TY_{130}	14.1	X	3.47380	71.54836	192.64219	12.18462	0.0237683	0.17792631	3.1307083	20	6 23.0	18.6
36210 1999 TD_{144}	13.4	X	109.21958	223.20313	25.35115	11.37130	0.0517427	0.19129575	2.9830864	20	10 22.1	17.7
36211 1999 TM_{152}	13.7	X	295.64313	116.30952	161.23851	2.75939	0.1611756	0.17060922	3.2195935	20	3 23.9	18.0
36212 1999 TU_{154}	13.5	X	67.45487	120.81006	111.99005	6.28674	0.1178459	0.17984179	3.1084386	20	8 23.1	17.8
36213 Robertotisgreen	14.0	X	239.46024	332.36942	230.41966	5.64803	0.0870040	0.20249397	2.8720676	20	—	—
36214 1999 TH_{201}	14.1	X	40.89878	7.87989	193.45266	10.81205	0.0438765	0.17628610	3.1500975	20	5 27.0	18.5
36215 1999 TG_{214}	12.7	X	34.93014	170.98334	33.70858	10.94822	0.1763179	0.17268172	3.1937810	20	6 3.3	16.5
36216 1999 TK_{215}	13.5	X	48.04214	100.96742	96.42834	2.86934	0.1217300	0.17219757	3.1997647	20	6 9.6	17.7
36217 1999 TN_{216}	14.1	X	43.21547	31.53087	189.55107	4.72607	0.0894591	0.17555450	3.1588432	20	6 28.9	18.3
36218 1999 TK_{220}	14.1	X	97.07198	282.16067	342.33325	7.05262	0.1824479	0.23879697	2.5730615	20	11 13.8	18.3
36219 1999 TM_{221}	13.5	X	330.02088	182.90208	121.22580	6.43816	0.1523534	0.17906467	3.1174257	20	6 19.7	17.2
36220 1999 TW_{231}	13.7	X	262.16110	294.10808	27.64464	15.20978	0.1068710	0.17322717	3.1870732	20	4 14.8	18.3
36221 1999 TS_{244}	13.7	X	318.83871	69.56900	172.97932	5.05542	0.0701196	0.16971568	3.2308843	20	3 23.9	17.9
36222 1999 TG_{246}	13.0	X	355.98930	185.30280	122.74443	6.79730	0.1529053	0.18018204	3.1045242	20	8 14.5	16.4
36223 1999 TJ_{267}	14.2	X	20.51166	280.88366	304.00210	12.09334	0.1349726	0.22314341	2.6920307	20	6 2.1	17.3
36224 1999 TE_{268}	13.5	X	358.48877	275.70202	289.97996	12.59726	0.0730929	0.16855394	3.2457130	20	3 25.8	18.0
36225 1999 TW_{270}	13.1	X	17.53646	283.88151	276.86953	9.06651	0.0415302	0.16896815	3.2404064	20	4 19.2	17.7
36226 Mackerras	13.7	X	119.64830	356.37416	164.45232	5.75563	0.0905039	0.17606548	3.1527285	20	7 18.4	18.5
36227 1999 UR_{5}	13.0	X	278.95225	69.44735	231.83761	10.78970	0.1550057	0.17088400	3.2161413	20	3 30.4	17.9
36228 1999 UK_{9}	13.7	X	205.44958	220.44114	219.82721	4.51026	0.1267985	0.17330291	3.1861446	20	7 6.8	18.8
36229 1999 UE_{13}	13.9	X	291.17785	138.85678	184.62190	4.78807	0.1075451	0.17690517	3.1427442	20	5 22.8	18.1
36230 1999 UD_{15}	12.8	X	335.14825	306.03219	48.17828	9.90475	0.0897427	0.18345687	3.0674682	20	9 14.6	16.7
36231 1999 UG_{16}	13.5	X	188.90245	153.20221	29.75608	9.71445	0.0217874	0.18829068	3.0147422	20	10 31.9	17.8
36232 1999 US_{26}	13.7	X	342.16620	17.56046	273.66951	4.01407	0.1286775	0.17795948	3.1303193	20	6 25.2	17.3
36233 1999 UJ_{27}	14.3	X	203.06767	299.51065	261.56547	1.23023	0.0303967	0.19690246	2.9261862	20	12 11.3	18.4
36234 1999 UB_{42}	13.3	X	280.19990	346.04444	336.37874	7.96287	0.1267441	0.17471419	3.1689637	20	4 30.3	18.0
36235 Sergebaudo	14.3	X	344.97368	335.27484	54.49861	15.74901	0.1312833	0.23114683	2.6295257	20	11 24.9	17.2
36236 1999 VV	15.9	X	255.23620	19.77672	241.07934	58.03945	0.4237172	0.64078431	1.3324824	20	—	—
36237 1999 VX_{11}	12.7	X	26.13102	309.18498	108.27719	9.99307	0.1608411	0.20033683	2.8926475	20	—	—
36238 1999 VX_{19}	13.6	X	0.11203	219.20018	90.77342	3.76960	0.2874858	0.18256352	3.0774669	20	9 7.5	16.3
36239 1999 VA_{30}	13.8	X	356.88060	242.04903	57.37763	2.27665	0.1853097	0.17811930	3.1284465	20	8 5.1	17.1
36240 1999 VN_{44}	13.7	X	70.72213	239.98419	0.04407	27.94889	0.1554162	0.23266357	2.6180853	20	9 18.3	17.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
36241 1999 VM_{48}	13.7	X	19.34377	269.04191	326.78035	4.26419	0.1235596	0.17338070	3.1851915	20	6 14.6	17.6
36242 1999 VX_{71}	13.5	X	65.76513	253.73675	24.26799	9.38772	0.0506226	0.18670431	3.0317950	20	10 7.7	17.8
36243 1999 VP_{81}	12.9	X	41.40091	57.20352	204.72304	11.45150	0.0638373	0.18193122	3.0845932	20	8 12.6	17.2
36244 1999 VJ_{85}	14.1	X	200.54352	319.14362	350.84672	23.16871	0.2463221	0.26326172	2.4110760	20	1 30.9	18.6
36245 1999 VP_{86}	14.5	X	93.04284	4.64388	148.46615	10.20464	0.0224816	0.21676000	2.7446267	20	5 31.8	18.4
36246 1999 VN_{108}	15.7	X	23.18032	15.81755	227.05060	2.85651	0.2117845	0.26729906	2.3867363	20	7 18.9	17.7
36247 1999 VY_{155}	14.1	X	84.95926	38.84783	199.01520	14.46026	0.0636273	0.23368455	2.6104540	20	9 15.4	17.8
36248 1999 VA_{176}	13.6	X	111.11929	191.35337	59.34937	9.07755	0.0808117	0.18992306	2.9974429	20	10 31.1	18.0
36249 1999 VT_{178}	13.5	X	228.90622	107.30536	169.88839	12.08683	0.0771682	0.15848143	3.3818197	20	1 21.1	18.8
36250 1999 VB_{179}	13.5	X	58.31149	163.63417	119.30069	12.48170	0.1202970	0.18498677	3.0505322	20	10 19.1	18.0
36251 1999 VB_{181}	13.9	X	146.71068	83.55327	164.30812	2.05448	0.0573047	0.19487755	2.9464213	20	12 2.8	18.3
36252 1999 VS_{190}	15.0	X	142.09261	262.96354	181.48142	4.26194	0.0357939	0.21278131	2.7787346	20	5 4.8	18.8
36253 1999 XT_{11}	13.2	X	144.28905	182.60405	290.85189	11.15626	0.0633273	0.17066421	3.2189019	20	6 15.2	18.0
36254 1999 XM_{17}	13.1	X	194.17539	86.78838	31.52482	11.93889	0.0394642	0.18336652	3.0684757	20	8 23.4	17.7
36255 1999 XR_{17}	14.5	X	47.83671	252.32046	27.00263	14.09862	0.1911068	0.23701411	2.5859488	20	10 15.6	17.9
36256 1999 XT_{17}	12.4	X	324.40033	60.13943	31.15903	10.98402	0.1226951	0.19568895	2.9382710	20	12 31.4	16.0
36257 1999 XT_{20}	13.5	X	8.12296	152.40443	123.88635	2.49326	0.1557927	0.17814208	3.1281798	20	7 23.1	16.9
36258 1999 XG_{73}	15.2	X	132.82980	33.98866	181.03071	2.02511	0.1612201	0.27474810	2.3433990	20	10 23.3	18.8
36259 1999 XM_{74}	11.4	X	232.90190	15.36230	91.63817	18.88525	0.0910330	0.08248688	5.2265220	20	9 8.5	18.8
36260 1999 XQ_{111}	13.6	X	353.25457	28.36702	214.64529	11.91926	0.2030529	0.22267240	2.6958256	20	5 4.2	15.8
36261 1999 XE_{116}	13.4	X	119.53765	32.58526	265.99273	10.82419	0.2618217	0.19722230	2.9230217	20	—	—
36262 1999 XO_{117}	13.0	X	54.27993	281.96441	27.93229	9.03501	0.0022893	0.18571872	3.0425117	20	10 24.7	17.3
36263 1999 XB_{147}	14.7	X	199.37279	358.89456	240.76672	7.21886	0.1575971	0.24299521	2.5433389	20	—	—
36264 1999 XL_{152}	13.5	X	44.99411	272.58047	52.30588	10.89374	0.0917626	0.19111788	2.9849370	20	11 14.6	17.6
36265 1999 XV_{156}	12.0	X	188.14253	42.01926	124.03474	6.09665	0.0238786	0.08378046	5.1725841	20	9 28.6	19.0
36266 1999 XA_{192}	14.7	X	91.04054	101.92606	355.64715	5.75755	0.0940158	0.25433370	2.4671759	20	3 21.4	17.8
36267 1999 XB_{211}	10.7	X	23.99778	9.79289	317.09929	19.72126	0.0926516	0.08361879	5.1792490	20	9 21.3	17.4
36268 1999 XT_{213}	12.0	X	288.76777	295.62901	119.90528	11.03628	0.0419968	0.08453179	5.1418887	20	9 14.7	18.8
36269 1999 XB_{214}	11.6	X	257.19011	318.95186	131.38360	18.01490	0.0637447	0.08215529	5.2405762	20	9 15.1	18.7
36270 1999 XS_{248}	11.9	X	215.78555	266.33490	222.86712	8.91895	0.0647831	0.08336095	5.1899232	20	9 8.2	19.0
36271 2000 AV_{19}	11.9	X	247.94863	24.13861	72.43148	11.73180	0.0494284	0.08311918	5.1999827	20	9 15.9	19.0
36272 2000 AJ_{51}	12.9	X	50.45400	243.28685	287.01300	7.98734	0.0443699	0.16799437	3.2529163	20	4 26.3	17.5
36273 2000 AM_{68}	13.0	X	25.63713	137.53996	72.55924	36.24386	0.1687644	0.21377895	2.7700828	20	5 28.6	16.0
36274 2000 AV_{107}	12.3	X	359.30155	184.86838	109.57645	15.57393	0.1690763	0.12296635	4.0050862	20	7 26.6	17.0
36275 2000 AO_{138}	13.7	X	92.04243	219.82180	81.72192	10.82022	0.0650563	0.19315162	2.9639473	20	12 8.2	17.9
36276 2000 AE_{167}	15.2	X	44.36758	250.07777	161.61980	14.88893	0.1614551	0.24076344	2.5590318	20	—	—
36277 2000 AG_{172}	14.0	X	2.40886	206.63464	199.34466	8.11176	0.1294129	0.23748186	2.5825521	20	—	—
36278 2000 AG_{229}	13.2	X	347.25944	18.30312	273.56519	16.56864	0.1824760	0.17889029	3.1194513	20	7 3.0	16.4
36279 2000 BQ_{5}	11.3	X	269.77144	7.02496	75.47601	31.14658	0.1000757	0.08046619	5.3136600	20	9 29.4	18.7
36280 2000 CJ_{77}	15.1	X	23.85674	319.05653	326.81803	1.11428	0.0061159	0.22133169	2.7067012	20	8 21.3	18.5
36281 2000 CN_{85}	14.5	X	349.92483	134.00711	111.66778	3.19765	0.0146223	0.20527606	2.8460587	20	5 12.8	18.2
36282 2000 CT_{98}	15.3	X	217.55202	358.34925	317.84290	6.90380	0.2601728	0.29516411	2.2340541	20	2 8.4	19.2
36283 2000 DV_{3}	15.5	X	25.13591	231.66575	114.65257	24.64795	0.0455982	0.36999913	1.9216262	20	12 27.2	17.5
36284 2000 DM_{8}	14.9	X	336.15353	317.95779	323.16528	46.77090	0.5538410	0.54539301	1.4836439	20	2 11.5	16.0
36285 2000 DW_{103}	15.5	X	208.07742	167.41768	102.09293	5.07958	0.1400499	0.28372982	2.2936795	20	—	—
36286 2000 EL_{14}	15.7	X	17.54945	185.05689	130.53161	3.96766	0.1330281	0.26597143	2.3946721	20	10 18.9	18.3
36287 2000 ER_{45}	15.5	X	14.54169	116.31200	234.91763	0.45235	0.2016878	0.26763562	2.3847349	20	12 13.1	18.2
36288 2000 EQ_{170}	15.4	X	75.95544	200.05100	53.53361	7.76214	0.1013249	0.26370099	2.4083977	20	10 10.1	18.6
36289 2000 FP_{11}	12.5	X	24.19958	266.47588	75.16502	16.98524	0.1190629	0.17420895	3.1750878	20	11 12.0	16.7
36290 2000 FM_{30}	14.6	X	150.52418	225.78300	151.21358	6.76969	0.2871822	0.24152218	2.5536696	20	3 8.3	19.0
36291 2000 GG_{98}	13.7	X	30.42156	90.48467	220.65929	7.44674	0.1225539	0.21399363	2.7682299	20	10 16.8	17.3
36292 2000 GX_{122}	15.1	X	292.96632	60.74499	157.01306	6.14121	0.1132423	0.28517473	2.2859252	20	—	—
36293 2000 GQ_{144}	15.0	X	68.19262	309.49671	42.04695	0.77269	0.2158292	0.27104640	2.3646868	20	—	—
36294 2000 GS_{152}	13.3	X	148.27884	221.76949	226.38785	23.41192	0.2109585	0.25577918	2.4578720	20	5 27.0	17.4
36295 2000 HV_{30}	15.8	X	202.67057	30.83074	272.47225	2.22815	0.2474690	0.28008917	2.3135124	20	1 14.2	19.6
36296 2000 HP_{49}	15.1	X	7.04542	173.04940	196.31659	1.88399	0.1943740	0.26390221	2.4071733	20	12 24.4	17.8
36297 2000 JM_{5}	14.4	X	106.36770	39.49230	5.63234	2.73273	0.2293187	0.18516207	3.0486064	20	3 1.0	18.9
36298 2000 JF_{10}	14.7	X	303.77725	1.53817	96.78180	23.76682	0.0571450	0.36737024	1.9307827	20	—	—
36299 2000 JA_{16}	16.2	X	20.42305	247.18282	228.30469	22.68082	0.0410250	0.37992597	1.8880061	20	—	—
36300 2000 JE_{19}	14.8	X	316.10804	162.38026	143.82362	16.82983	0.2236913	0.24637127	2.5200510	20	5 22.7	17.8
36301 2000 JK_{21}	15.3	X	43.30730	313.75547	350.30828	2.53179	0.1717088	0.26034192	2.4290697	20	11 11.3	18.4
36302 2000 JX_{33}	14.9	X	91.75558	344.93012	320.14176	3.94931	0.0963381	0.21802849	2.7339709	20	12 19.8	18.9
36303 2000 JM_{54}	14.8	X	309.82922	246.56683	77.07396	4.48581	0.1899047	0.29802768	2.2197206	20	6 7.4	16.7
36304 2000 JY_{56}	14.6	X	253.11895	102.83314	203.07688	3.39688	0.1767345	0.23784213	2.5799435	20	3 3.6	18.5
36305 2000 JZ_{56}	15.7	X	139.73710	73.44804	146.06794	1.61424	0.1335787	0.26272725	2.4143449	20	11 2.8	19.4
36306 2000 JK_{58}	15.1	X	157.86419	138.96446	160.54437	2.73893	0.2257078	0.27243314	2.3566554	20	—	—
36307 2000 JY_{65}	13.6	X	184.28598	257.65164	105.05362	13.99474	0.2018350	0.23669702	2.5882577	20	3 19.6	18.2
36308 2000 KX_{3}	16.2	X	124.05511	190.86639	134.14531	4.06803	0.2273367	0.27115128	2.3640769	20	—	—
36309 2000 KS_{29}	15.7	X	184.19058	229.23946	253.97196	3.95107	0.0921440	0.30431734	2.1890294	20	8 18.4	18.8
36310 2000 KN_{31}	13.5	X	216.05648	101.63639	239.53612	1.41201	0.0983252	0.18815201	3.0162232	20	3 19.7	18.2
36311 2000 KK_{48}	14.8	X	49.18123	144.61058	87.28698	6.08669	0.1225401	0.29999418	2.2100096	20	8 9.9	17.1
36312 2000 KO_{50}	15.5	X	326.73193	172.78211	107.68307	7.75335	0.1628073	0.29462229	2.2367923	20	5 9.5	17.6
36313 2000 KE_{67}	14.4	X	177.37652	133.20401	186.06863	23.10246	0.1701364	0.27677512	2.3319434	20	1 7.2	18.5
36314 2000 LH_{4}	13.1	X	124.44924	243.82901	122.87941	16.11635	0.2403855	0.17591819	3.1544880	20	2 5.2	18.0
36315 2000 LP_{9}	13.6	X	357.53616	27.53748	228.75288	1.14844	0.0594547	0.19512142	2.9439657	20	6 5.2	17.3
36316 2000 LC_{12}	14.6	X	33.62477	147.98529	130.42829	20.44035	0.0933389	0.34966100	1.9954366	20	10 6.4	17.0
36317 2000 LL_{12}	14.6	X	288.75506	106.28433	205.04808	4.46926	0.2891777	0.24059535	2.5602236	20	4 3.2	18.1
36318 2000 LJ_{18}	13.4	X	301.90859	246.50047	165.77129	9.29728	0.4082324	0.19966725	2.8991109	20	8 16.7	16.5
36319 2000 LO_{20}	15.4	X	346.14822	107.39366	216.17746	4.88218	0.1821385	0.29792684	2.2202215	20	9 7.7	17.0
36320 2000 LD_{23}	15.1	X	140.08944	215.34396	173.57402	5.96273	0.1098670	0.27704998	2.3304009	20	2 21.1	18.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
36321 2000 LS_{23}	14.7	X	117.92093	153.27015	258.28936	22.12250	0.1052724	0.28383307	2.2931232	20	2 11.1	18.1
36322 2000 LB_{26}	14.6	X	129.34998	294.07998	121.81031	19.72932	0.2577899	0.28570239	2.2831098	20	4 10.3	18.5
36323 2000 LF_{27}	15.4	X	185.68114	321.71040	16.52227	2.62025	0.2431513	0.27572886	2.3378388	20	2 13.4	19.2
36324 2000 LT_{27}	14.9	X	278.28873	37.61665	307.51182	2.88760	0.2244088	0.23941224	2.5686513	20	5 13.9	18.4
36325 2000 LF_{29}	14.9	X	278.81803	333.78039	338.02037	3.29472	0.2352059	0.23649612	2.5897233	20	3 30.6	18.8
36326 2000 LH_{29}	15.3	X	75.38990	196.75687	131.22281	0.84074	0.2333164	0.25929615	2.4355965	20	—	—
36327 2000 LV_{33}	15.0	X	336.18235	194.45569	117.23246	6.75996	0.2460900	0.29567614	2.2314741	20	7 17.5	15.8
36328 2000 LR_{35}	15.5	X	253.87414	130.29574	223.43288	3.54772	0.2122845	0.28700796	2.2761808	20	4 29.1	18.9
36329 2000 LU_{35}	15.5	X	133.72622	175.44277	149.18060	5.62170	0.2324012	0.26783026	2.3835794	20	—	—
36330 2000 MF_5	15.6	X	172.19457	276.25001	49.05779	0.47219	0.2089427	0.27242618	2.3566956	20	1 15.5	19.2
36331 2000 MN_5	14.8	X	144.04713	11.41081	350.14789	2.16604	0.2315334	0.27139112	2.3626839	20	2 5.9	18.3
36332 2000 ND_1	14.1	X	112.28204	98.22145	16.76384	27.94874	0.1037064	0.22612694	2.6682991	20	5 4.1	18.2
36333 2000 NV_4	15.2	X	212.22274	310.97921	9.65096	1.73574	0.2492334	0.27900396	2.3195076	20	2 11.7	19.0
36334 2000 NZ_4	14.7	X	17.05231	246.84895	124.72684	4.52860	0.2448194	0.25387788	2.4701281	20	—	—
36335 2000 NA_5	14.9	X	137.36996	325.37830	3.45803	2.32031	0.2292387	0.26677874	2.3898386	20	—	—
36336 2000 ND_5	15.0	X	277.04358	1.08955	333.30420	3.74247	0.3213172	0.23714724	2.5849808	20	4 15.4	19.0
36337 2000 NK_7	15.3	X	316.46837	113.81216	151.28143	4.66607	0.1161362	0.28778677	2.2720724	20	4 3.4	17.6
36338 2000 NN_9	13.7	X	163.51876	200.22410	164.37600	7.66782	0.1834056	0.17377809	3.1803338	20	3 2.1	18.7
36339 2000 NF_{10}	16.2	X	83.87193	38.17975	255.96394	1.09457	0.1283998	0.25812465	2.4429602	20	12 9.1	19.6
36340 2000 NT_{13}	14.5	X	17.74985	137.04469	226.39423	1.55344	0.2027167	0.25487223	2.4636993	20	12 30.3	17.4
36341 2000 NS_{15}	15.9	X	105.87126	254.17504	49.57250	2.08450	0.2073186	0.31152944	2.1551127	20	—	—
36342 2000 NX_{15}	15.5	X	104.12112	45.68247	331.56095	4.74264	0.2452963	0.26778408	2.3838534	20	1 14.3	18.1
36343 2000 NZ_{15}	13.8	X	88.60198	323.35868	129.31397	28.05619	0.2238672	0.22664548	2.6642277	20	4 14.5	18.0
36344 2000 NP_{19}	15.3	X	357.60290	42.43050	296.71364	5.90087	0.1716412	0.30007658	2.2096050	20	10 28.9	17.2
36345 2000 NS_{19}	15.5	X	255.90574	254.80917	135.74333	6.21961	0.2302118	0.24063944	2.5599109	20	6 18.1	19.4
36346 2000 NE_{20}	14.4	X	231.32436	129.73259	291.11810	11.87100	0.2555046	0.24226668	2.5484352	20	6 30.7	18.4
36347 2000 NT_{21}	15.4	X	126.04806	151.53491	177.81331	2.12882	0.1990602	0.21887605	2.7269084	20	—	—
36348 2000 NS_{23}	13.8	X	180.40820	281.27143	121.93741	16.64144	0.2628539	0.18191722	3.0847515	20	5 6.6	19.5
36349 2000 NZ_{23}	14.8	X	287.90708	246.28972	125.46177	6.31995	0.2738622	0.24376696	2.5379681	20	6 25.9	17.9
36350 2000 NP_{24}	14.7	X	45.74816	105.52714	288.99923	8.74974	0.2083527	0.21360654	2.7715732	20	—	—
36351 2000 NW_{24}	14.9	X	191.94073	235.87162	174.23843	2.20002	0.0967587	0.23795728	2.5791111	20	5 18.8	18.8
36352 2000 NE_{25}	14.7	X	43.90948	173.74152	128.31187	3.17757	0.0587891	0.20421496	2.8559089	20	10 14.8	18.5
36353 2000 NP_{26}	15.5	X	277.50510	234.52881	162.53491	3.50808	0.1850464	0.29524077	2.2336673	20	8 5.3	17.8
36354 2000 NE_{27}	14.6	X	334.00129	67.25356	317.64870	4.91111	0.1847422	0.25208868	2.4818022	20	11 6.5	16.9
36355 2000 NJ_{27}	15.3	X	55.51771	248.68200	354.73669	3.58169	0.1157967	0.29807018	2.2195096	20	9 3.4	17.7
36356 2000 NY_{28}	14.8	X	259.25975	274.59228	125.34931	5.27736	0.2510308	0.24324553	2.5415938	20	7 1.2	18.4
36357 2000 OQ_2	15.1	X	98.25596	72.76256	258.65041	2.65527	0.1614247	0.31016449	2.1614308	20	—	—
36358 2000 OY_2	14.7	X	257.22484	19.17200	318.28749	9.19880	0.2150272	0.23776543	2.5804983	20	4 8.6	19.0
36359 2000 OE_3	15.6	X	319.35374	72.82536	278.23344	5.05479	0.2243082	0.29619689	2.2288579	20	8 12.1	16.7
36360 2000 OH_3	13.9	X	335.76568	91.11808	318.53708	9.06249	0.1441512	0.30319259	2.1944398	20	—	—
36361 2000 OS_4	15.7	X	217.66450	94.90708	230.87220	4.34370	0.1638162	0.27911291	2.3189040	20	2 20.7	19.5
36362 2000 OV_4	15.5	X	62.64603	199.87368	169.08855	5.95282	0.1444030	0.31193895	2.1532262	20	—	—
36363 2000 OB_5	15.0	X	237.44830	122.44625	215.10401	6.36678	0.1421219	0.28291236	2.2980957	20	3 26.9	18.4
36364 2000 OT_5	14.9	X	114.10999	102.90884	265.02592	6.16909	0.2941184	0.26729284	2.3867733	20	1 20.4	18.1
36365 2000 OO_9	14.3	X	129.00214	255.09692	124.31504	14.01044	0.2156288	0.22317239	2.6917977	20	2 17.9	18.4
36366 2000 OA_{10}	15.7	X	312.35591	356.85990	287.57914	2.86068	0.1643349	0.29049191	2.2579450	20	4 13.7	18.0
36367 2000 OF_{12}	15.7	X	211.10414	244.17817	118.44401	6.94458	0.2089176	0.28340175	2.2954493	20	4 5.2	19.5
36368 2000 OG_{12}	15.3	X	64.51729	240.16587	129.61420	3.37696	0.2196749	0.26367215	2.4085733	20	—	—
36369 2000 OD_{13}	15.6	X	155.07098	81.68223	308.02686	2.29374	0.1485626	0.27957457	2.3163505	20	3 13.4	18.8
36370 2000 OT_{14}	14.7	X	65.55289	216.98982	120.21093	3.48043	0.2094215	0.26030334	2.4293097	20	—	—
36371 2000 OA_{16}	14.8	X	220.98022	92.16824	298.64731	5.56010	0.1560372	0.28789245	2.2715163	20	5 18.7	18.3
36372 2000 OD_{16}	15.6	X	91.50578	264.47848	105.53509	2.31287	0.2015491	0.26682970	2.3895343	20	—	—
36373 2000 OJ_{16}	15.0	X	226.02926	334.93348	342.13161	3.23662	0.1780897	0.28025443	2.3126029	20	2 19.3	18.7
36374 2000 OO_{16}	15.5	X	74.23589	174.60240	297.00163	5.99823	0.0452369	0.28085548	2.3093023	20	3 3.4	18.1
36375 2000 OT_{16}	15.4	X	358.17701	215.47257	176.33870	2.98726	0.1551424	0.30682105	2.1771045	20	—	—
36376 2000 OH_{17}	15.7	X	122.28885	294.45131	29.59541	2.27147	0.0963708	0.31619334	2.1338681	20	—	—
36377 2000 OL_{18}	15.2	X	223.22412	153.60044	130.44434	7.27844	0.1422732	0.27609938	2.3357468	20	1 7.5	18.8
36378 2000 OL_{19}	14.2	X	23.76262	197.88766	195.24199	4.83657	0.2057418	0.26109955	2.4243685	20	—	—
36379 2000 OA_{24}	13.4	X	300.54625	89.13247	298.66422	8.44583	0.3033015	0.19749622	2.9203183	20	7 30.4	16.4
36380 2000 OL_{27}	14.5	X	150.41303	273.70465	85.15152	5.94186	0.2082279	0.22388545	2.6860791	20	2 12.6	18.8
36381 2000 OW_{27}	15.4	X	318.29967	205.46055	129.84324	6.96108	0.1708800	0.29290264	2.2455386	20	7 19.4	17.2
36382 2000 OC_{28}	15.0	X	163.30183	211.79320	180.80827	6.36614	0.1095765	0.27939435	2.3173465	20	3 24.1	18.1
36383 2000 OW_{28}	15.1	X	116.66315	203.75103	167.53977	6.62563	0.1516937	0.27158024	2.3615869	20	1 6.5	18.0
36384 2000 OJ_{31}	15.3	X	0.53164	340.31394	184.13576	6.14053	0.0505227	0.27822331	2.3238444	20	1 26.2	18.0
36385 2000 OT_{31}	15.2	X	228.40572	74.54411	261.09461	6.04415	0.1766059	0.28215005	2.3022331	20	3 11.9	19.0
36386 2000 OE_{32}	15.4	X	308.02678	140.81591	189.36760	3.46752	0.1960392	0.24287137	2.5442034	20	6 12.5	18.0
36387 2000 OR_{32}	14.7	X	231.85132	236.70420	184.24770	5.44844	0.2262576	0.24072083	2.5593338	20	7 2.8	18.8
36388 2000 OY_{32}	15.5	X	162.58054	188.64179	198.24992	4.09018	0.1676552	0.27778139	2.3263084	20	3 19.1	19.1
36389 2000 OT_{33}	15.7	X	226.87128	187.19927	163.32377	6.51920	0.1187947	0.28423404	2.2909660	20	4 6.5	18.9
36390 2000 OV_{39}	14.7	X	237.90642	218.61276	165.59627	17.80763	0.2073406	0.23947730	2.5681861	20	5 27.8	19.1
36391 2000 OO_{40}	15.7	X	254.03600	158.26394	268.14097	8.29985	0.1201948	0.29598894	2.2299018	20	8 20.7	18.4
36392 2000 OZ_{40}	13.2	X	101.38347	188.37063	269.40191	8.09058	0.2047488	0.17823918	3.1270436	20	4 22.4	17.9
36393 2000 OM_{42}	15.1	X	234.45180	198.69521	199.01963	8.82830	0.1958991	0.23806970	2.5782991	20	6 9.0	19.3
36394 2000 OP_{42}	14.9	X	256.75986	208.66406	197.44162	5.48815	0.1943063	0.24192731	2.5508179	20	7 13.2	18.5
36395 2000 OS_{42}	14.6	X	183.28780	162.52562	264.31854	4.28381	0.1969182	0.23451487	2.6042887	20	5 30.0	19.0
36396 2000 OE_{44}	15.3	X	197.65739	170.30817	262.98599	6.11346	0.0712192	0.28816762	2.2700701	20	6 26.8	18.3
36397 2000 OL_{44}	14.5	X	206.28837	226.09343	166.48894	15.27588	0.1791142	0.23315162	2.6144304	20	5 11.4	19.0
36398 2000 OQ_{45}	14.9	X	209.93487	264.08668	295.84078	10.78422	0.0563312	0.26052460	2.4279341	20	12 31.3	18.0
36399 2000 OV_{46}	15.1	X	219.75420	186.37947	174.03640	4.70371	0.1884541	0.28098019	2.3086189	20	4 8.2	18.8
36400 2000 OE_{47}	15.0	X	229.65299	238.74395	126.11799	0.66711	0.1774880	0.23277020	2.6172857	20	4 24.9	19.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
36401 2000 OK_{47}	15.5	X	345.39382	301.98488	12.70261	3.10264	0.2128574	0.29404618	2.2397129	20	8 25.6	16.5
36402 2000 OT_{47}	14.7	X	320.46931	236.66339	119.21810	2.72732	0.1566058	0.24395784	2.5366440	20	8 23.2	17.0
36403 2000 OW_{47}	15.7	X	249.27938	322.42157	358.84347	2.79163	0.2681512	0.28147912	2.3058900	20	3 10.4	19.6
36404 2000 OZ_{47}	13.9	X	289.90090	185.35898	170.67178	10.55009	0.2260975	0.23945250	2.5683633	20	6 15.2	17.3
36405 2000 OB_{48}	14.9	X	260.78708	148.81540	209.55397	2.78395	0.1494500	0.28559183	2.2836990	20	5 21.7	17.7
36406 2000 OQ_{48}	15.2	X	208.60380	243.61278	101.93825	4.89601	0.1896954	0.27784277	2.3259658	20	3 12.3	18.9
36407 2000 OZ_{48}	15.2	X	286.26203	212.71573	137.45497	6.00486	0.2603874	0.23902148	2.5714500	20	5 27.9	18.7
36408 2000 OB_{49}	14.3	X	144.92707	244.48847	73.05878	3.09550	0.2293313	0.26630865	2.3926502	20	—	—
36409 2000 OH_{49}	14.9	X	135.38544	227.03184	100.47573	3.40551	0.2004554	0.26554781	2.3972182	20	—	—
36410 2000 OL_{49}	15.0	X	203.27405	295.80194	36.15562	6.66717	0.1539007	0.27522384	2.3406978	20	2 20.7	18.7
36411 2000 OM_{49}	13.9	X	295.43062	0.61610	13.80490	15.47760	0.1186702	0.24210690	2.5495563	20	8 15.8	17.1
36412 2000 OP_{49}	14.6	X	288.88092	256.19448	77.30770	4.69282	0.1591305	0.28710849	2.2756494	20	5 23.2	17.0
36413 2000 OW_{49}	14.7	X	153.30563	346.77539	29.49974	7.00222	0.1626648	0.27244584	2.3565822	20	2 29.4	18.2
36414 2000 OE_{50}	13.8	X	225.46156	353.20700	12.73642	12.76369	0.1541366	0.23106169	2.6301716	20	4 20.9	18.1
36415 2000 OL_{50}	15.0	X	301.37437	226.46810	74.66117	5.79041	0.2532546	0.23565868	2.5958549	20	4 13.9	18.3
36416 2000 OO_{50}	14.2	X	7.18285	168.80889	150.27157	10.40640	0.2308507	0.24637040	2.5200570	20	10 18.8	16.8
36417 2000 OQ_{52}	15.2	X	128.84509	359.91106	340.96346	0.97486	0.1993219	0.26556102	2.3971387	20	—	—
36418 2000 OC_{57}	16.0	X	188.86747	339.28874	41.70625	2.41377	0.1652285	0.28179147	2.3041858	20	4 6.3	19.5
36419 2000 OF_{59}	15.6	X	209.05531	253.69148	202.91727	3.18681	0.1118409	0.29562175	2.2317479	20	8 8.9	18.7
36420 2000 OG_{60}	15.6	X	142.04856	115.30705	281.94259	1.23217	0.2000750	0.27602995	2.3361385	20	3 15.2	19.0
36421 2000 OM_{60}	16.3	X	60.89930	28.77205	342.29093	0.76342	0.1835352	0.26188758	2.4195027	20	—	—
36422 2000 OS_{67}	15.7	X	105.39915	347.89811	312.09209	1.84224	0.1769218	0.26320936	2.4113958	20	—	—
36423 2000 PJ_{2}	15.1	X	257.41990	208.20443	102.35228	5.89897	0.1669901	0.28298436	2.2977058	20	3 14.9	18.5
36424 Satokokumasaki	15.1	X	136.04610	318.61568	110.99857	3.98307	0.1115020	0.28176566	2.3043264	20	4 13.6	18.2
36425 2000 PM_{5}	12.3	X	154.31200	251.24502	166.55572	6.21974	0.0763235	0.08345007	5.1862277	20	4 24.4	19.5
36426 Kakuda	15.2	X	301.16672	315.68404	315.43020	1.69214	0.1880497	0.28405732	2.2919161	20	3 6.5	18.0
36427 2000 PR_{7}	14.6	X	117.88063	283.70029	75.54368	10.04925	0.2450389	0.26569700	2.3963208	20	1 8.4	17.7
36428 2000 PV_{8}	14.8	X	230.28792	274.67689	130.01179	15.89287	0.2184421	0.23928315	2.5695750	20	6 13.8	19.1
36429 2000 PX_{9}	14.9	X	330.40967	327.04668	76.92345	7.30426	0.1260143	0.30251576	2.1977117	20	12 14.1	16.7
36430 2000 PN_{10}	15.5	X	244.68696	282.49588	92.57011	7.89474	0.1283934	0.28693780	2.2765518	20	5 28.8	18.6
36431 2000 PJ_{12}	15.2	X	109.05950	233.04546	104.85613	7.42426	0.1464768	0.26407860	2.4061013	20	—	—
36432 2000 PQ_{12}	14.7	X	192.56956	242.71441	164.69236	13.73687	0.2317392	0.23174435	2.6250039	20	5 16.6	19.5
36433 2000 PR_{17}	14.7	X	226.19944	16.39528	357.07320	2.33962	0.2488696	0.18588996	3.0406430	20	4 28.5	20.0
36434 2000 PA_{19}	15.7	X	150.78117	303.71098	119.09154	4.60750	0.1337042	0.28154480	2.3055314	20	4 23.3	19.0
36435 2000 PQ_{20}	15.1	X	5.99775	297.22060	9.58362	5.85832	0.1773140	0.29751039	2.2222929	20	9 27.5	16.9
36436 2000 PT_{22}	15.8	X	249.59840	292.55758	86.21210	4.10887	0.0859700	0.29178995	2.2512436	20	6 14.3	18.5
36437 2000 PW_{23}	15.2	X	247.94002	222.97155	128.75718	4.20396	0.1359332	0.28577675	2.2827138	20	4 30.2	18.4
36438 2000 PW_{24}	14.6	X	273.39028	265.48528	136.40227	7.69756	0.1085167	0.24187332	2.5511974	20	8 14.2	17.7
36439 2000 PT_{26}	13.8	X	179.95006	189.53647	228.22473	11.98842	0.1849885	0.22916642	2.6446532	20	5 16.3	18.2
36440 2000 PD_{27}	15.0	X	345.65357	302.62782	318.34938	4.81706	0.0795487	0.23710015	2.5853231	20	5 21.4	17.9
36441 2000 PM_{28}	15.2	X	204.20499	19.91347	84.11864	6.49858	0.1728306	0.29180564	2.2511629	20	8 11.2	18.5
36442 2000 PT_{28}	15.8	X	287.65362	223.19075	111.30753	2.68452	0.1946314	0.29156340	2.2524096	20	5 16.9	18.4
36443 2000 PA_{29}	15.4	X	334.80511	166.23037	157.99498	0.92342	0.1666293	0.24768148	2.5111560	20	8 3.0	17.5
36444 2000 PA_{31}	15.5	X	195.04237	136.86009	276.56487	5.26916	0.1262755	0.28723729	2.2749691	20	5 24.2	18.8
36445 Smalley	14.3	X	152.26445	264.47826	152.99405	9.88929	0.1969334	0.27890438	2.3200597	20	4 23.5	18.0
36446 Cinodapistoia	15.4	X	56.37550	343.17454	23.19625	2.57773	0.1840961	0.26003378	2.4309883	20	—	—
36447 2000 QB_{1}	15.0	X	323.50770	288.37342	342.51553	5.34294	0.1595667	0.28638065	2.2795035	20	4 12.9	17.2
36448 2000 QE_{2}	16.1	X	210.82634	319.96121	342.16814	18.72286	0.0733662	0.37361560	1.9092057	20	1 5.8	18.7
36449 2000 QA_{4}	15.1	X	75.65428	176.55104	148.54734	3.98151	0.1981580	0.30843963	2.1694814	20	—	—
36450 2000 QL_{4}	15.5	X	255.95284	164.12601	157.06570	4.06197	0.1730965	0.28293129	2.2979932	20	3 24.6	18.7
36451 2000 QQ_{4}	14.2	X	205.57192	223.18387	161.02031	5.99803	0.1779871	0.18212076	3.0824527	20	4 30.1	19.4
36452 2000 QE_{5}	14.6	X	240.54360	193.40793	191.38780	1.48535	0.2944284	0.18572812	3.0424091	20	5 21.1	19.6
36453 2000 QK_{5}	16.0	X	230.27729	126.68194	176.22950	1.51748	0.0917752	0.27648971	2.3335479	20	2 8.2	19.3
36454 2000 QN_{5}	15.3	X	340.84648	327.35825	356.62720	3.45117	0.1550531	0.24445640	2.5331939	20	8 17.5	17.6
36455 2000 QZ_{6}	15.3	X	315.91253	78.43480	325.20296	15.55739	0.2158181	0.25011874	2.4948162	20	10 14.5	17.7
36456 2000 QC_{8}	15.3	X	21.98895	171.88479	210.44584	1.40708	0.1759471	0.25643314	2.4536914	20	—	—
36457 2000 QF_{8}	15.3	X	33.78871	200.17219	172.78840	2.48560	0.1986469	0.25638007	2.4540301	20	—	—
36458 2000 QO_{8}	15.3	X	200.79008	243.34508	184.40373	4.49328	0.1042847	0.28757144	2.2732064	20	6 20.9	18.4
36459 2000 QU_{8}	15.0	X	149.76360	147.54155	139.94354	6.81517	0.1148168	0.26404143	2.4063271	20	—	—
36460 2000 QA_{9}	14.3	X	195.05338	249.20541	154.05171	15.82006	0.1911222	0.23342657	2.6123770	20	5 15.3	18.9
36461 2000 QC_{9}	15.2	X	304.59392	329.11440	7.14359	3.71648	0.2633305	0.24168666	2.5525108	20	6 2.2	17.9
36462 2000 QV_{11}	14.3	X	331.64985	273.31001	137.94186	15.41943	0.2469101	0.20406117	2.8573436	20	12 2.2	17.2
36463 2000 QD_{14}	15.0	X	357.20380	257.09779	139.63075	4.92608	0.3453972	0.20431713	2.8549567	20	—	—
36464 2000 QT_{14}	14.8	X	97.98798	178.88925	126.35504	5.14212	0.0900186	0.21069987	2.7970048	20	12 24.5	19.0
36465 2000 QR_{19}	15.6	X	74.89110	54.56180	342.70154	2.67006	0.1760404	0.26589432	2.3951351	20	—	—
36466 2000 QR_{22}	15.5	X	81.57725	337.48536	35.30155	1.95896	0.1906398	0.26426915	2.4049446	20	—	—
36467 2000 QV_{22}	15.9	X	169.98166	108.93435	315.89448	8.32858	0.1004612	0.28413071	2.2915215	20	5 9.8	19.4
36468 2000 QA_{23}	15.6	X	33.87816	110.55564	316.13366	7.97525	0.1975859	0.26367741	2.4085413	20	—	—
36469 2000 QT_{23}	15.4	X	59.91663	336.57650	83.50825	4.29420	0.1635202	0.26698046	2.3886347	20	—	—
36470 2000 QV_{24}	14.9	X	41.93731	209.23323	193.63300	5.20758	0.1533297	0.26052279	2.4279453	20	—	—
36471 2000 QK_{26}	14.5	X	314.11588	309.54663	349.47186	2.29982	0.1875971	0.23297713	2.6157357	20	5 8.5	17.5
36472 Ebina	15.4	X	268.85658	265.78414	75.69112	4.60994	0.1680531	0.28606455	2.2811825	20	5 6.2	18.3
36473 2000 QB_{27}	15.3	X	286.97325	261.84186	233.36215	1.92777	0.1241326	0.26107006	2.4245510	20	—	—
36474 2000 QN_{28}	15.3	X	255.54898	309.53446	17.39183	3.16786	0.0829565	0.23281210	2.6169716	20	4 12.7	18.8
36475 2000 QV_{28}	15.0	X	304.40996	59.41644	156.32777	6.98394	0.0698370	0.27428511	2.3460354	20	1 15.0	18.0
36476 2000 QY_{28}	14.8	X	76.78568	355.86509	356.75157	3.18189	0.1153686	0.21073255	2.7967156	20	—	—
36477 2000 QC_{29}	14.4	X	176.55729	281.48848	119.17520	2.24156	0.1847349	0.17918514	3.1160282	20	4 24.5	19.5
36478 2000 QQ_{29}	14.9	X	83.60199	263.90490	141.03704	3.74952	0.1859148	0.26665608	2.3905714	20	1 9.2	17.2
36479 2000 QX_{29}	15.2	X	268.90780	235.73045	95.95779	2.47602	0.1055846	0.23508427	2.6000818	20	5 3.3	18.6
36480 2000 QL_{30}	15.0	X	130.31109	13.71152	21.66292	7.63195	0.1190441	0.27229975	2.3574250	20	2 23.9	18.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
36481 2000 QU_{30}	15.2	X	150.90725	259.38660	138.74451	7.51061	0.1069623	0.27518223	2.3409338	20	3 19.9	18.5
36482 2000 QR_{31}	15.1	X	251.23272	9.33728	20.51649	7.87912	0.1371701	0.29013702	2.2597858	20	6 25.1	18.1
36483 2000 QM_{32}	14.6	X	146.49395	336.62966	77.88313	6.39039	0.1490865	0.17867163	3.1219958	20	4 14.7	19.6
36484 2000 QD_{37}	15.0	X	10.28760	243.64408	164.43779	4.13223	0.0667806	0.21116679	2.7928802	20	—	—
36485 2000 QP_{39}	14.6	X	22.21955	7.78791	319.04471	4.59629	0.1156714	0.25230496	2.4803836	20	10 31.9	17.6
36486 2000 QW_{40}	15.9	X	34.43973	47.62372	192.02992	2.95742	0.1255387	0.29341975	2.2428995	20	7 24.4	18.0
36487 2000 QJ_{42}	15.0	X	317.86989	119.62116	319.64962	4.55957	0.0833831	0.30711203	2.1757292	20	—	—
36488 2000 QW_{42}	15.2	X	292.05484	156.43801	194.75176	2.14925	0.1667185	0.19186860	2.9771459	20	6 19.6	19.2
36489 2000 QC_{45}	14.3	X	121.40586	107.70246	337.27722	13.37510	0.1322906	0.22993475	2.6387585	20	4 13.6	18.3
36490 2000 QJ_{45}	15.1	X	170.80713	242.70088	348.26774	2.01962	0.1401886	0.26111608	2.4242662	20	12 15.8	18.8
36491 2000 QS_{46}	14.5	X	12.03428	36.47157	335.88085	1.85272	0.1824970	0.25466713	2.4650219	20	12 31.2	17.3
36492 2000 QW_{46}	14.6	X	201.00986	62.44826	348.41260	4.16046	0.2059466	0.23495163	2.6010602	20	5 24.1	19.0
36493 2000 QL_{47}	14.2	X	109.36760	22.73329	339.98814	9.10552	0.1300071	0.21762112	2.7373817	20	—	—
36494 2000 QM_{47}	13.9	X	333.76277	260.07969	150.03646	12.29560	0.1933887	0.20345576	2.8630091	20	12 1.1	17.0
36495 2000 QR_{48}	15.6	X	70.28767	268.66064	153.14238	3.47886	0.1567441	0.26864349	2.3787666	20	1 4.3	17.7
36496 2000 QK_{49}	15.1	X	83.09095	50.56883	353.49802	1.96129	0.1977669	0.26769615	2.3843754	20	1 9.3	17.3
36497 2000 QN_{49}	15.0	X	7.92475	68.46864	354.36464	3.06911	0.0805901	0.21126343	2.7920284	20	—	—
36498 2000 QW_{53}	15.1	X	245.02224	290.44420	141.08721	6.38768	0.1399201	0.29425306	2.2386630	20	8 16.4	17.8
36499 2000 QV_{55}	15.2	X	191.72913	245.02690	70.29586	2.91480	0.2441713	0.27413762	2.3468768	20	1 21.5	19.3
36500 2000 QZ_{55}	15.7	X	294.28421	168.35684	134.85451	4.02252	0.1627780	0.28652681	2.2787283	20	4 17.6	18.4
36501 2000 QB_{57}	14.2	X	301.61019	331.53201	147.58494	17.96991	0.1026849	0.21032949	2.8002873	20	—	—
36502 2000 QM_{57}	15.8	X	338.22211	269.24866	116.87413	5.44245	0.1425994	0.30310709	2.1948524	20	12 4.8	17.7
36503 2000 QV_{60}	15.7	X	284.70779	287.19980	54.66640	3.05798	0.1040409	0.23928676	2.5695492	20	6 6.8	19.0
36504 2000 QE_{61}	14.4	X	256.95784	260.86872	66.34201	11.70606	0.2468482	0.18509003	3.0493975	20	4 5.6	19.5
36505 2000 QQ_{64}	15.3	X	262.49835	243.39679	85.67260	6.60033	0.1292922	0.28396321	2.2924225	20	4 18.6	18.4
36506 2000 QS_{65}	15.5	X	174.24724	190.74920	106.67487	8.71217	0.1422423	0.26777338	2.3839169	20	—	—
36507 2000 QW_{66}	14.5	X	11.54461	147.55258	149.09148	12.59349	0.0363136	0.19446798	2.9505568	20	8 18.1	18.5
36508 2000 QP_{68}	15.7	X	293.62169	273.61246	179.74309	3.20087	0.0467542	0.30382460	2.1913955	20	12 19.9	17.9
36509 2000 QD_{69}	14.6	X	216.51724	209.82603	139.83036	4.10859	0.1431407	0.23202191	2.6229100	20	3 27.8	18.7
36510 2000 QM_{71}	14.6	X	157.54294	217.35970	253.92404	1.86142	0.1727136	0.23779365	2.5802942	20	7 2.3	18.7
36511 2000 QL_{72}	15.0	X	183.61248	81.36822	178.92755	4.59423	0.0704431	0.21531442	2.7568976	20	—	—
36512 2000 QS_{72}	15.7	X	167.44475	2.08106	263.20971	1.93610	0.1354776	0.26465440	2.4026101	20	—	—
36513 2000 QG_{73}	16.4	X	305.66515	216.70817	170.50444	2.70414	0.0145149	0.29843766	2.2176872	20	10 3.1	18.8
36514 2000 QA_{74}	14.5	X	104.95006	310.61378	313.62868	5.80711	0.0694477	0.20484327	2.8500659	20	11 7.6	18.7
36515 2000 QJ_{74}	15.4	X	358.35094	298.04303	176.42504	6.28466	0.0655788	0.26702702	2.3883570	20	—	—
36516 2000 QV_{74}	14.5	X	169.35807	257.54846	167.93862	9.28866	0.1091730	0.23316318	2.6143440	20	5 16.7	18.6
36517 2000 QZ_{74}	15.1	X	341.47594	150.65928	185.52339	1.98992	0.1015689	0.19637279	2.9314456	20	8 27.5	18.6
36518 2000 QC_{77}	14.9	X	276.54006	259.35938	167.26111	2.26396	0.0555545	0.19862568	2.9092371	20	9 23.4	18.7
36519 2000 QU_{78}	14.6	X	53.00406	55.81106	317.12955	2.81357	0.1093782	0.20974098	2.8055231	20	—	—
36520 2000 QV_{78}	14.7	X	73.56141	58.86398	336.20607	8.52652	0.1336102	0.26497939	2.4006452	20	—	—
36521 2000 QR_{79}	13.8	X	355.22889	202.42455	345.00407	13.35209	0.1848043	0.22728413	2.6592345	20	2 18.4	16.5
36522 2000 QZ_{79}	14.9	X	14.64162	142.33987	172.31928	4.61304	0.1729278	0.29829549	2.2183918	20	10 26.6	17.0
36523 2000 QO_{80}	14.8	X	108.75896	316.88846	184.29312	3.94178	0.0266522	0.23523161	2.5989959	20	6 4.7	18.2
36524 2000 QS_{80}	14.7	X	259.78444	60.94379	342.78886	2.68273	0.1515143	0.24094549	2.5577427	20	7 21.8	18.0
36525 2000 QV_{80}	15.8	X	297.09606	32.66837	191.99653	3.70721	0.1200015	0.27736100	2.3286584	20	1 10.1	19.0
36526 2000 QD_{81}	15.7	X	165.59558	305.29218	316.62079	4.10268	0.1654343	0.26413960	2.4057308	20	—	—
36527 2000 QX_{81}	14.9	X	188.33640	275.39641	354.48354	2.94894	0.0483715	0.21609572	2.7502486	20	—	—
36528 2000 QU_{82}	16.2	X	162.14143	56.53779	244.13838	0.58920	0.1848334	0.26731720	2.3866282	20	—	—
36529 2000 QZ_{82}	15.0	X	277.95996	180.13633	197.78550	3.83047	0.0854644	0.19052314	2.9911457	20	7 16.9	19.1
36530 2000 QA_{83}	15.2	X	257.32587	90.86413	333.61399	5.60257	0.1494440	0.24300041	2.5433027	20	8 16.7	18.6
36531 2000 QF_{84}	15.7	X	224.46030	263.22212	10.05838	2.51486	0.1494642	0.27184309	2.3600644	20	—	—
36532 2000 QC_{87}	15.4	X	307.21306	234.44439	191.87668	5.82663	0.1202820	0.25279215	2.4771958	20	11 16.7	18.0
36533 2000 QF_{87}	15.3	X	243.52111	271.10794	300.77841	5.24604	0.0648881	0.26668382	2.3904056	20	—	—
36534 2000 QV_{87}	14.4	X	345.29680	229.79427	208.49566	4.85240	0.1141957	0.20968295	2.8060408	20	—	—
36535 2000 QS_{88}	15.3	X	135.36028	211.31434	227.12235	3.73647	0.1473651	0.27974687	2.3153993	20	4 26.2	18.5
36536 2000 QO_{89}	15.0	X	250.11540	83.67895	271.35898	3.33452	0.1690594	0.28562352	2.2835301	20	4 30.6	18.4
36537 2000 QW_{89}	15.0	X	94.85819	141.01949	273.68876	3.50422	0.3092921	0.21857142	2.7294416	20	3 5.0	18.8
36538 2000 QD_{91}	14.8	X	358.56231	119.89396	326.22963	11.69140	0.2018632	0.25998979	2.4312625	20	—	—
36539 2000 QZ_{92}	15.0	X	143.30461	186.61418	184.58363	6.51859	0.1337930	0.27176726	2.3605034	20	2 4.5	18.3
36540 2000 QB_{93}	14.1	X	198.10044	282.97216	109.44097	2.56965	0.1999875	0.18043779	3.1015899	20	5 2.2	19.3
36541 2000 QJ_{95}	15.9	X	123.24814	20.93619	161.72947	4.34260	0.0573743	0.29369178	2.2415143	20	8 28.2	18.8
36542 2000 QZ_{97}	14.2	X	127.09598	274.63396	134.46674	6.85648	0.1687064	0.17322453	3.1871056	20	3 22.4	19.1
36543 2000 QD_{98}	15.2	X	275.11912	249.89992	148.06874	6.75985	0.1545966	0.24233958	2.5479241	20	8 2.7	18.3
36544 2000 QK_{98}	14.4	X	254.56099	27.72452	33.83119	3.03776	0.0627711	0.19314716	2.9639929	20	8 18.0	18.6
36545 2000 QM_{98}	14.9	X	182.48284	8.85961	7.10566	6.41658	0.1681484	0.27745421	2.3281368	20	3 24.9	18.4
36546 2000 QN_{98}	15.3	X	330.09833	35.30972	92.51397	3.18818	0.1104600	0.26274659	2.4142264	20	—	—
36547 2000 QV_{98}	15.4	X	195.92114	52.79012	23.58606	7.70394	0.0651413	0.28746100	2.2737886	20	6 29.9	18.6
36548 2000 QN_{99}	15.0	X	123.90165	135.86941	134.80955	5.56298	0.1701072	0.25792696	2.4442083	20	12 19.9	18.9
36549 2000 QP_{99}	15.9	X	158.42897	236.01119	97.00766	3.69187	0.1763681	0.26974324	2.3722967	20	1 9.8	19.4
36550 2000 QM_{101}	14.8	X	265.24913	293.31742	86.56493	5.61400	0.1631065	0.23873410	2.5735133	20	6 23.6	18.2
36551 2000 QR_{101}	13.6	X	36.47405	359.74187	139.46141	9.82923	0.0351557	0.17377024	3.1804296	20	3 3.4	17.9
36552 2000 QH_{102}	14.7	X	254.05991	271.65853	48.57795	6.89968	0.1755405	0.28158805	2.3052953	20	3 23.5	18.1
36553 2000 QL_{102}	14.2	X	17.06738	293.29620	149.25281	13.54607	0.1188855	0.21169364	2.7882444	20	—	—
36554 2000 QD_{103}	14.4	X	210.82745	303.68113	29.84283	13.61212	0.2592238	0.17786006	3.1314857	20	3 8.7	20.1
36555 2000 QH_{103}	14.8	X	176.61545	85.81677	23.84389	15.39502	0.1384513	0.23695323	2.5863917	20	7 22.8	19.2
36556 2000 QW_{104}	14.9	X	117.66380	254.56333	82.09664	5.99558	0.1629847	0.21333389	2.7739341	20	—	—
36557 2000 QC_{105}	14.3	X	220.90268	256.17766	128.88482	11.60902	0.0912042	0.18299948	3.0725773	20	5 21.8	19.1
36558 2000 QP_{105}	15.5	X	128.53061	196.27297	120.51811	7.49904	0.1336415	0.31274565	2.1495218	20	—	—
36559 2000 QB_{106}	14.3	X	317.94903	330.13982	135.36338	12.34579	0.1254926	0.25585513	2.4573856	20	—	—
36560 2000 QP_{107}	15.0	X	78.12548	312.06371	124.05232	3.20561	0.0678512	0.22287938	2.6941563	20	2 4.6	18.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
36561 2000 QJ_{109}	15.1	X	195.25264	296.28845	93.47211	4.74192	0.1057346	0.23215936	2.6218746	20	4 27.4	19.1
36562 2000 QV_{109}	15.4	X	35.12761	89.64160	171.26996	3.63689	0.0206679	0.24123734	2.5556794	20	8 5.7	18.7
36563 2000 QW_{112}	15.0	X	280.83388	176.03346	149.89546	5.44334	0.2007307	0.28670784	2.2777690	20	4 25.9	17.9
36564 2000 QD_{116}	14.8	X	179.41200	40.23858	4.40622	4.92679	0.1462408	0.23105242	2.6302419	20	4 27.4	19.0
36565 2000 QG_{118}	15.0	X	152.30879	90.06138	256.22719	4.82104	0.1303973	0.27040360	2.3684328	20	1 14.3	18.2
36566 2000 QK_{119}	14.2	X	250.02371	225.62786	314.57160	7.41823	0.0923301	0.26031922	2.4292109	20	—	—
36567 2000 QF_{120}	15.5	X	234.76251	195.01224	202.82448	4.84561	0.1145353	0.28714586	2.2754520	20	6 18.4	18.6
36568 2000 QO_{120}	16.0	X	200.09299	280.12564	231.41578	4.38711	0.0793348	0.29872335	2.2162731	20	10 18.5	18.6
36569 2000 QB_{121}	14.3	X	130.55041	241.58293	199.71556	12.68522	0.1576753	0.22712388	2.6604852	20	4 29.2	18.4
36570 2000 QC_{121}	15.0	X	223.37538	176.19716	284.93554	5.17586	0.0560844	0.24427942	2.5344173	20	9 2.2	18.5
36571 2000 QQ_{121}	15.1	X	274.04365	75.28969	259.60880	3.14808	0.1493126	0.23568285	2.5956775	20	5 6.2	18.6
36572 2000 QR_{121}	13.5	X	193.33994	228.84313	187.95353	14.44420	0.1001321	0.23350842	2.6117665	20	5 29.9	17.7
36573 2000 QJ_{122}	15.6	X	98.09874	126.16216	300.75162	5.43997	0.0853562	0.27145021	2.3623411	20	2 14.1	18.3
36574 2000 QA_{123}	14.5	X	60.49549	88.71302	293.89532	6.07556	0.0833161	0.26043938	2.4284637	20	—	—
36575 2000 QH_{123}	14.0	X	76.45723	22.76298	332.90105	6.93951	0.2299989	0.20935348	2.8089840	20	—	—
36576 2000 QN_{123}	14.9	X	74.26689	40.87123	324.97830	4.64440	0.1754000	0.26002038	2.4310718	20	—	—
36577 2000 QX_{123}	15.0	X	211.01589	244.60416	80.44528	5.20275	0.1762337	0.27440427	2.3453562	20	2 18.2	18.8
36578 2000 QQ_{124}	15.3	X	106.16096	105.27017	348.64334	8.21608	0.1524779	0.27812897	2.3243699	20	4 10.7	18.4
36579 2000 QT_{124}	15.9	X	308.25779	204.62583	55.62888	3.12304	0.0553078	0.28273574	2.2990526	20	3 25.0	18.4
36580 2000 QZ_{124}	15.6	X	357.83598	214.26063	108.12859	2.55992	0.1142953	0.24750296	2.5123633	20	9 17.3	18.3
36581 2000 QB_{125}	15.6	X	193.50281	338.54997	141.48336	6.30697	0.0946259	0.29483881	2.2356971	20	8 26.6	18.6
36582 2000 QM_{126}	14.4	X	117.63846	288.99474	186.89041	9.30909	0.1759825	0.23339218	2.6126336	20	5 31.9	18.5
36583 2000 QP_{126}	15.5	X	215.91989	18.97591	220.98030	4.82193	0.1194626	0.26795823	2.3828204	20	—	—
36584 2000 QE_{127}	13.9	X	191.98237	62.61788	1.90461	17.02653	0.2375159	0.18083263	3.0970736	20	5 29.8	19.6
36585 2000 QJ_{127}	15.1	X	52.45135	167.29636	212.77461	1.96871	0.1903081	0.25808971	2.4431807	20	—	—
36586 2000 QZ_{127}	14.8	X	71.11278	177.85852	193.57273	5.40268	0.1078321	0.25890575	2.4380442	20	—	—
36587 2000 QM_{128}	13.2	X	248.73211	31.41548	57.49744	14.53816	0.1186531	0.18858208	3.0116357	20	9 13.3	17.8
36588 2000 QA_{129}	15.7	X	24.70731	315.79030	167.32458	6.47863	0.0771539	0.27017203	2.3697860	20	1 6.8	18.3
36589 2000 QS_{129}	14.5	X	299.29834	265.36218	38.79675	8.98547	0.2346497	0.28433362	2.2904311	20	4 13.9	17.1
36590 2000 QG_{132}	14.9	X	17.94376	74.78618	278.56772	0.99179	0.0812228	0.20670216	2.8329530	20	11 16.2	18.6
36591 2000 QJ_{132}	14.9	X	85.19164	335.91487	46.61224	3.68833	0.0904485	0.21866209	2.7286870	20	—	—
36592 2000 QN_{132}	14.0	X	188.45674	280.07168	127.50966	16.49552	0.2470062	0.18385786	3.0630064	20	5 16.5	19.6
36593 2000 QR_{133}	14.8	X	97.11879	243.03921	122.58298	5.70120	0.0675975	0.21777349	2.7361047	20	—	—
36594 2000 QS_{133}	16.4	X	90.25666	336.16608	342.89058	5.85148	0.1205836	0.31086301	2.1581917	20	—	—
36595 2000 QD_{134}	15.1	X	106.54983	242.16719	119.38302	2.55418	0.2873712	0.21661991	2.7458099	20	1 11.7	18.9
36596 2000 QH_{134}	15.8	X	165.01082	108.47289	359.91085	3.30637	0.1103485	0.29012952	2.2598248	20	7 7.4	19.0
36597 2000 QB_{136}	15.3	X	101.61054	4.18409	82.37655	3.33659	0.1804395	0.22387897	2.6861310	20	4 7.4	19.0
36598 2000 QX_{137}	14.4	X	326.74720	217.87307	102.46800	2.14126	0.1428948	0.19123549	2.9837131	20	7 7.8	17.9
36599 2000 QB_{138}	15.2	X	299.92130	112.91417	156.35853	6.87757	0.1120092	0.28112056	2.3078504	20	3 16.3	17.9
36600 2000 QP_{138}	14.7	X	315.22923	350.20731	27.61849	2.03981	0.0696040	0.19573220	2.9378382	20	9 13.3	18.4
36601 2000 QS_{138}	15.0	X	326.71483	57.65640	7.81649	1.89655	0.1446481	0.25267856	2.4779381	20	12 22.0	17.3
36602 2000 QS_{139}	15.3	X	328.29627	190.74635	108.59364	3.39902	0.1427489	0.23902919	2.5713948	20	6 12.2	17.8
36603 2000 QY_{141}	15.4	X	135.65310	221.13362	108.89855	2.33591	0.1982051	0.26584293	2.3954437	20	—	—
36604 2000 QP_{142}	15.2	X	290.10324	334.41206	31.76334	3.53188	0.1408598	0.24033816	2.5620497	20	7 14.9	18.2
36605 2000 QT_{142}	14.7	X	171.81913	268.09784	30.97580	5.64887	0.0379783	0.21508561	2.7588525	20	—	—
36606 2000 QL_{143}	15.4	X	344.15531	24.54871	24.22160	1.86064	0.0979608	0.20302966	2.8670134	20	12 8.5	18.7
36607 2000 QS_{143}	15.1	X	352.79636	204.04280	22.54352	6.78783	0.0724557	0.28058830	2.3107680	20	4 12.2	17.2
36608 2000 QY_{143}	15.2	X	172.19971	213.49260	65.16739	2.03326	0.1703715	0.26637419	2.3922577	20	—	—
36609 2000 QD_{144}	14.9	X	304.59346	356.36196	52.67341	2.78174	0.0739979	0.19889713	2.9065895	20	10 9.0	18.4
36610 2000 QR_{144}	15.0	X	87.29167	53.59495	67.06833	3.33569	0.0411398	0.22881226	2.6473814	20	4 12.1	18.3
36611 2000 QF_{145}	16.1	X	39.89585	202.47943	81.17887	3.81147	0.1254116	0.29719551	2.2238623	20	10 12.5	18.5
36612 2000 QQ_{145}	14.8	X	59.13053	283.75212	155.49373	10.29201	0.0710169	0.21808860	2.7334685	20	1 12.6	18.3
36613 2000 QW_{145}	14.9	X	107.25385	199.31955	125.78875	6.50743	0.0411060	0.21027367	2.8007830	20	—	—
36614 Saltis	15.8	X	234.76341	56.89761	201.23489	1.79888	0.1620254	0.27030142	2.3690297	20	—	—
36615 2000 QL_{149}	15.0	X	0.33246	187.36329	270.92361	1.68239	0.1597201	0.26167457	2.4208156	20	—	—
36616 2000 QZ_{149}	15.1	X	171.74354	317.61954	277.65932	6.07054	0.1432001	0.25904013	2.4372010	20	12 21.6	18.7
36617 2000 QJ_{150}	14.5	X	64.99631	56.99120	327.82418	6.83364	0.1298919	0.21017994	2.8016155	20	—	—
36618 2000 QB_{151}	14.9	X	219.29915	2.72863	323.92636	6.12198	0.1283469	0.27419218	2.3465654	20	2 25.7	18.4
36619 2000 QE_{151}	13.7	X	211.96853	170.17750	300.09092	3.81719	0.1033855	0.28943550	2.2634358	20	8 31.9	16.6
36620 2000 QM_{151}	13.7	X	259.26129	97.70008	245.66400	5.42285	0.2472266	0.18233287	3.0800616	20	4 20.2	18.8
36621 2000 QN_{151}	14.1	X	157.59248	98.68839	321.45850	7.87137	0.0988393	0.22542155	2.6738626	20	4 21.0	18.2
36622 2000 QE_{152}	15.1	X	221.45246	232.28384	125.47298	8.66977	0.2168518	0.23175221	2.6249445	20	4 10.4	19.7
36623 2000 QS_{155}	15.0	X	95.35354	234.27816	195.89193	11.97262	0.2448220	0.22233624	2.6985422	20	3 15.8	18.7
36624 2000 QA_{157}	11.5	X	279.33686	344.38413	316.12291	26.27674	0.0221827	0.08402139	5.1626909	20	4 10.1	18.8
36625 2000 QT_{158}	14.9	X	97.74943	265.54512	198.14252	12.78449	0.3138173	0.22615916	2.6680457	20	5 12.0	19.0
36626 2000 QN_{160}	15.6	X	45.96854	37.20069	232.08543	6.28458	0.1406876	0.29809531	2.2193849	20	9 28.6	18.1
36627 2000 QM_{165}	14.9	X	166.47930	174.71560	265.48646	3.66224	0.1922031	0.23322196	2.6139048	20	6 1.3	19.1
36628 2000 QV_{165}	14.7	X	129.54282	201.85256	286.52538	8.25461	0.0240114	0.23751088	2.5823417	20	6 14.2	18.1
36629 2000 QJ_{168}	15.7	X	48.94793	100.85112	256.80936	3.66754	0.0449062	0.30793300	2.1718604	20	—	—
36630 2000 QU_{170}	15.1	X	274.42727	152.27365	212.42926	2.67159	0.1886673	0.28934192	2.2639238	20	6 11.8	17.7
36631 2000 QZ_{170}	15.2	X	322.27102	226.10216	217.03761	5.13924	0.0694094	0.25659229	2.4526768	20	—	—
36632 2000 QB_{171}	15.2	X	175.25785	189.86661	274.95969	4.45176	0.0889520	0.28857364	2.2679403	20	7 13.3	18.2
36633 2000 QG_{171}	14.9	X	265.77466	114.52485	234.71862	3.12789	0.1826501	0.23688314	2.5869018	20	5 11.2	18.3
36634 2000 QP_{173}	15.3	X	130.71638	71.76555	311.73429	13.09425	0.1293748	0.22323389	2.6913032	20	2 11.7	19.1
36635 2000 QX_{173}	15.3	X	245.59721	303.62085	225.06569	5.70109	0.0601580	0.26096429	2.4252061	20	—	—
36636 2000 QP_{176}	15.9	X	122.25018	251.20537	233.37997	4.44163	0.0631948	0.28471360	2.2883928	20	6 4.5	18.7
36637 2000 QB_{179}	14.8	X	319.79741	311.51236	223.03614	3.90214	0.0836406	0.22130506	2.7069183	20	—	—
36638 2000 QO_{179}	14.7	X	324.86319	247.12983	45.14158	2.55835	0.0674666	0.18731756	3.0251742	20	6 3.3	18.5
36639 2000 QC_{183}	15.8	X	266.04639	65.31018	341.48652	1.25273	0.0671240	0.24363111	2.5389114	20	8 17.2	19.0
36640 2000 QR_{184}	15.4	X	168.60727	10.98735	89.27482	4.66484	0.0969845	0.28952935	2.2629467	20	6 29.5	18.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
36641 2000 QY_{185}	13.7	X	234.78211	274.10221	141.99433	14.77147	0.1903385	0.18991969	2.9974783	20	7 2.0	18.6
36642 2000 QU_{186}	15.6	X	99.18186	352.87237	114.79515	5.49650	0.0804244	0.28075305	2.3098639	20	4 15.1	18.4
36643 2000 QW_{188}	15.8	X	286.50558	226.79368	66.92747	4.27530	0.0905351	0.28421252	2.2910817	20	4 5.1	18.5
36644 2000 QR_{189}	15.4	X	294.71111	256.24083	105.62601	7.34568	0.1492479	0.29266127	2.2467731	20	7 18.5	17.6
36645 2000 QV_{189}	14.3	X	130.14449	320.38533	89.32572	7.03426	0.2107006	0.22468317	2.6797175	20	3 28.2	18.5
36646 2000 QZ_{191}	13.8	X	200.10663	308.43092	56.66578	9.16074	0.0879904	0.18087426	3.0965983	20	4 6.3	18.6
36647 2000 QD_{192}	14.2	X	207.69754	273.06534	102.15884	11.45958	0.1117842	0.18286082	3.0741304	20	4 26.7	19.2
36648 2000 QM_{195}	14.5	X	218.58602	268.81561	132.42461	6.69213	0.1103117	0.18671324	3.0316982	20	6 4.8	19.2
36649 2000 QR_{195}	14.7	X	133.52054	345.74460	354.07502	11.11467	0.3120014	0.21798784	2.7343108	20	1 17.5	19.3
36650 2000 QJ_{198}	15.5	X	16.68389	81.83461	27.93472	2.70479	0.1355166	0.26845587	2.3798748	20	—	—
36651 2000 QR_{198}	15.8	X	348.95192	215.87248	47.40911	3.44530	0.1003922	0.28889791	2.2662429	20	5 30.6	17.9
36652 2000 QY_{198}	15.3	X	183.08878	270.40272	88.25382	2.15404	0.0961705	0.22724969	2.6595032	20	3 6.3	19.2
36653 2000 QF_{200}	15.7	X	175.94813	60.47626	32.04263	3.57429	0.1576141	0.28696927	2.2763854	20	6 26.7	19.2
36654 2000 QD_{202}	15.3	X	338.12628	184.79976	102.15028	3.14969	0.0948396	0.23991423	2.5650670	20	6 16.2	18.1
36655 2000 QL_{202}	14.6	X	115.51087	146.93717	2.24195	9.17624	0.0435933	0.23836205	2.5761905	20	6 27.2	18.3
36656 2000 QS_{202}	14.2	X	178.95979	283.54259	131.08178	7.58240	0.1881871	0.18164001	3.0878892	20	5 14.4	19.4
36657 2000 QY_{202}	15.0	X	310.45442	265.20227	92.89893	3.46819	0.1263749	0.24409658	2.5356827	20	8 10.3	17.5
36658 2000 QG_{204}	15.2	X	301.94187	157.09942	97.58750	3.79325	0.0412364	0.22933929	2.6433241	20	3 16.7	18.6
36659 2000 QB_{205}	14.9	X	208.04849	218.12381	184.99758	1.32590	0.1225247	0.18418422	3.0593872	20	5 25.9	19.7
36660 2000 QF_{206}	15.0	X	198.34010	142.95183	177.04286	1.11085	0.1922948	0.17496389	3.1659480	20	2 8.4	20.4
36661 2000 QB_{208}	15.3	X	116.48047	289.21681	119.98855	3.01353	0.1073703	0.22207668	2.7006445	20	2 26.9	19.0
36662 2000 QT_{208}	15.2	X	289.67616	284.85406	24.82065	3.43862	0.1095148	0.23405596	2.6076917	20	4 29.2	18.6
36663 2000 QY_{210}	15.0	X	175.31944	84.90188	348.51059	20.68748	0.3041489	0.18119187	3.0929786	20	5 27.2	21.0
36664 2000 QN_{211}	15.0	X	168.41834	264.28069	153.54995	4.79087	0.1238722	0.23111562	2.6297624	20	5 5.8	19.1
36665 2000 QO_{211}	15.4	X	156.26145	256.27688	169.73904	1.02293	0.1096166	0.23064973	2.6333025	20	5 1.7	19.2
36666 2000 QA_{212}	15.2	X	15.54053	101.49532	344.53432	2.73572	0.0425467	0.21531702	2.7568754	20	—	—
36667 2000 QX_{212}	15.7	X	178.16843	207.19448	35.21183	1.76985	0.1399739	0.26183522	2.4198252	20	—	—
36668 2000 QC_{216}	14.7	X	48.61175	284.47409	153.38272	9.77810	0.1416373	0.21549142	2.7553878	20	—	—
36669 2000 QH_{217}	13.7	X	214.47253	358.47544	46.14953	16.40276	0.0550051	0.17742591	3.1365919	20	6 5.0	18.5
36670 2000 QM_{217}	13.6	X	280.30321	83.86671	272.13946	9.63646	0.1416666	0.18159283	3.0884239	20	6 13.4	17.8
36671 2000 QR_{217}	13.8	X	273.69506	113.58372	251.84572	10.60452	0.2161322	0.18268817	3.0760669	20	6 6.3	18.2
36672 Sidi	15.2	X	174.35200	109.49616	238.18765	1.94994	0.1054893	0.22531941	2.6746706	20	2 11.8	19.1
36673 2000 QG_{221}	14.0	X	283.14007	109.97305	127.42496	15.68886	0.1161615	0.22800439	2.6536313	20	1 18.8	17.9
36674 2000 QA_{222}	15.2	X	266.13702	208.96849	86.36821	7.81412	0.1404758	0.28247171	2.3004850	20	3 8.3	18.5
36675 2000 QE_{222}	14.6	X	69.59357	315.67031	75.01235	10.42051	0.1683233	0.21528162	2.7571776	20	—	—
36676 2000 QG_{222}	14.8	X	28.55075	174.80295	91.17740	10.82563	0.0304744	0.24448973	2.5329637	20	8 8.1	18.1
36677 2000 QO_{224}	15.2	X	131.83079	334.96741	177.72185	14.59537	0.0946933	0.23856526	2.5747273	20	7 24.0	19.2
36678 2000 QJ_{228}	15.9	X	51.64209	265.76915	270.99026	3.81237	0.0721472	0.28377850	2.2934172	20	5 7.7	18.4
36679 2000 QH_{231}	15.2	X	35.15896	185.14116	211.71833	3.17370	0.1001973	0.21323641	2.7747795	20	—	—
36680 2000 RK_{1}	15.4	X	19.50975	135.04884	188.76035	4.89179	0.1671767	0.29900433	2.2148844	20	11 15.8	17.8
36681 2000 RQ_{1}	14.7	X	89.27842	85.88481	356.93365	12.81128	0.1156355	0.27168084	2.3610039	20	3 2.8	17.3
36682 2000 RZ_{1}	14.2	X	329.21130	94.06088	6.64581	4.47549	0.1083691	0.25741539	2.4474456	20	—	—
36683 2000 RG_{2}	15.9	X	347.49956	89.51555	214.22819	2.48410	0.1304570	0.24127684	2.5554004	20	7 27.9	18.5
36684 2000 RJ_{2}	15.7	X	6.07136	112.48947	192.95071	2.32765	0.2017954	0.24517805	2.5282208	20	9 15.9	18.0
36685 2000 RC_{3}	15.2	X	175.09866	303.01135	17.55878	2.10663	0.1245775	0.21902612	2.7256627	20	1 14.1	19.3
36686 2000 RH_{4}	14.0	X	143.04083	6.34181	56.77285	7.49525	0.0751743	0.27494102	2.3423027	20	4 10.3	17.2
36687 2000 RR_{4}	15.2	X	329.06551	155.64408	105.95467	4.62726	0.1503573	0.28392570	2.2926244	20	4 15.8	17.4
36688 2000 RU_{4}	15.0	X	294.27448	193.42900	197.45197	1.74133	0.0249520	0.19388755	2.9564424	20	9 3.4	19.0
36689 2000 RM_{5}	14.9	X	127.73396	336.69457	359.92327	5.37690	0.1419059	0.26375175	2.4080887	20	—	—
36690 2000 RD_{7}	14.8	X	260.83372	186.16026	190.89145	2.37186	0.1388183	0.23543303	2.5975134	20	6 17.7	18.4
36691 2000 RH_{7}	14.7	X	103.02912	118.21035	32.51476	4.25164	0.0218987	0.28139143	2.3063690	20	6 8.9	17.6
36692 2000 RH_{10}	14.6	X	30.01353	162.73254	180.91016	4.70446	0.1899127	0.24708238	2.5152136	20	12 16.8	18.0
36693 2000 RT_{14}	15.0	X	74.06262	171.95395	221.45993	8.70154	0.1641086	0.21500449	2.7595463	20	—	—
36694 2000 RT_{15}	14.1	X	293.62587	123.96498	236.39516	9.28967	0.0997787	0.19159423	2.9799874	20	7 12.4	18.1
36695 2000 RB_{16}	15.3	X	329.54026	109.19152	227.95853	4.90065	0.1714538	0.29449170	2.2374535	20	8 17.8	17.0
36696 2000 RX_{16}	14.6	X	157.88485	122.45823	267.26521	6.06147	0.1211963	0.27630255	2.3346017	20	3 11.9	18.2
36697 2000 RC_{17}	14.1	X	217.75404	83.80544	255.24540	8.25281	0.1311635	0.17944057	3.1130704	20	3 14.7	19.2
36698 2000 RN_{17}	15.7	X	36.96307	263.78072	259.92375	6.23701	0.0436481	0.27904434	2.3192838	20	3 19.9	18.5
36699 2000 RQ_{17}	14.7	X	96.47481	175.91386	220.02804	8.45287	0.0315211	0.21925186	2.7237915	20	1 3.4	18.4
36700 2000 RT_{17}	15.4	X	150.37960	224.48391	288.27955	5.78649	0.1148000	0.29267377	2.2467091	20	8 19.2	18.6
36701 2000 RY_{17}	14.8	X	232.56626	30.09937	251.12714	5.69727	0.1683281	0.22487959	2.6781570	20	1 17.4	19.2
36702 2000 RC_{18}	14.9	X	261.62191	190.94651	197.63381	8.89649	0.1244191	0.24012088	2.5635951	20	7 5.5	18.5
36703 2000 RO_{23}	14.8	X	112.22434	124.35388	275.87093	3.98445	0.1055593	0.21993088	2.7181823	20	2 8.4	18.6
36704 2000 RQ_{23}	15.4	X	286.65104	52.56972	264.64312	2.89100	0.1132405	0.23487329	2.6016386	20	5 4.4	18.7
36705 2000 RE_{25}	13.9	X	343.01393	299.50645	286.49099	11.93057	0.1349940	0.23242358	2.6198872	20	3 16.3	17.1
36706 2000 RK_{29}	14.2	X	125.84572	121.86809	307.84830	9.06157	0.1612683	0.22499686	2.6772263	20	4 4.1	18.4
36707 2000 RP_{29}	14.0	X	81.81085	95.86239	274.22360	8.00100	0.0893002	0.21243659	2.7817398	20	—	—
36708 2000 RG_{30}	14.9	X	147.51732	143.95552	240.35714	6.53459	0.1232287	0.27324084	2.3520090	20	2 23.2	18.3
36709 2000 RO_{30}	14.5	X	54.10241	209.04028	238.60281	8.68180	0.1268189	0.21738328	2.7393780	20	1 19.1	17.8
36710 2000 RR_{31}	15.1	X	230.62784	88.46569	237.82685	4.39328	0.1496085	0.22836229	2.6508579	20	3 8.9	19.4
36711 2000 RF_{33}	15.0	X	294.97119	32.74284	251.14900	3.16419	0.0693372	0.28078477	2.3096900	20	4 3.2	17.7
36712 2000 RS_{33}	14.5	X	54.66242	252.89685	202.79771	6.16764	0.0854032	0.26846680	2.3798102	20	1 17.5	17.1
36713 2000 RV_{33}	14.3	X	57.84738	311.67164	348.99396	10.26979	0.1211363	0.20009691	2.8949593	20	11 2.4	18.5
36714 2000 RK_{35}	14.9	X	53.99711	133.92884	331.75935	12.38640	0.1129850	0.22032581	2.7149331	20	2 13.8	17.9
36715 2000 RG_{39}	15.5	X	354.51095	290.41635	344.72832	5.11348	0.1581602	0.28944818	2.2633697	20	7 3.0	17.1
36716 2000 RU_{39}	14.8	X	122.62250	59.41938	25.91380	13.76394	0.1472505	0.22445789	2.6815103	20	4 22.6	18.7
36717 2000 RY_{40}	14.6	X	271.69301	201.33594	241.29069	8.85544	0.2047380	0.24574561	2.5243266	20	9 18.2	17.7
36718 2000 RK_{41}	13.1	X	182.80350	206.63760	251.77280	9.57372	0.1833050	0.18373087	3.0644177	20	7 5.9	18.3
36719 2000 RC_{42}	14.2	X	239.46845	243.74550	216.72568	14.37649	0.0746793	0.24499224	2.5294989	20	9 18.3	17.7
36720 2000 RE_{42}	14.5	X	196.86998	123.80199	324.75200	10.06571	0.1510952	0.23575322	2.5951609	20	7 12.2	18.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
36721 2000 RK_{42}	13.6	X	260.43826	27.77575	299.73828	8.54597	0.1942650	0.18270518	3.0758759	20	4 4.6	18.5
36722 2000 RZ_{42}	14.2	X	187.93655	139.67265	320.06043	9.99935	0.1267331	0.23600270	2.5933317	20	7 18.5	18.3
36723 2000 RE_{43}	15.0	X	311.15010	6.88159	260.80817	6.13279	0.0869835	0.28034475	2.3121061	20	3 30.2	17.9
36724 2000 RS_{43}	13.2	X	80.65060	187.73982	328.51444	13.89180	0.1377166	0.17795232	3.1304032	20	6 1.9	17.8
36725 2000 RB_{45}	14.0	X	88.55132	223.36340	353.87243	13.56476	0.1279223	0.24082788	2.5585753	20	9 5.9	17.7
36726 2000 RS_{46}	13.6	X	170.73168	33.79662	352.96887	5.84104	0.1814947	0.17349184	3.1838311	20	4 1.5	18.8
36727 2000 RV_{46}	13.9	X	124.77679	95.19295	17.59793	13.33299	0.1395657	0.22682903	2.6627903	20	5 27.2	18.1
36728 2000 RD_{47}	13.9	X	231.15423	77.73360	0.42614	11.71168	0.1141921	0.18794452	3.0184427	20	8 6.7	18.5
36729 2000 RV_{47}	14.2	X	146.09580	175.68238	322.33050	10.71864	0.1260538	0.23410679	2.6073142	20	7 25.6	18.2
36730 2000 RV_{48}	12.8	X	90.63449	238.84672	270.22105	14.13353	0.0842840	0.17470940	3.1690217	20	5 30.2	17.4
36731 2000 RR_{50}	13.8	X	155.24827	334.10373	244.49110	3.28005	0.0999299	0.29717342	2.2239725	20	11 23.6	16.9
36732 2000 RS_{50}	15.0	X	197.96291	92.33387	239.88280	1.00673	0.2353085	0.27220654	2.3579631	20	2 14.3	18.9
36733 2000 RY_{51}	14.0	X	236.06495	148.62353	199.68714	4.23198	0.1706741	0.17556747	3.1586877	20	4 13.3	18.9
36734 2000 RZ_{54}	14.4	X	251.47427	252.19451	294.61276	10.72134	0.1444335	0.25493413	2.4633005	20	—	—
36735 2000 RF_{55}	12.5	X	215.63429	164.70156	244.90362	14.40440	0.2083315	0.18092665	3.0960005	20	6 4.9	17.6
36736 2000 RX_{58}	14.9	X	183.37550	140.94270	294.83250	2.19436	0.1762665	0.18131539	3.0915737	20	6 10.1	19.9
36737 2000 RP_{60}	14.2	X	173.04265	123.99884	274.81242	14.08901	0.1036893	0.22371279	2.6874610	20	4 7.9	18.7
36738 2000 RC_{61}	14.6	X	211.84324	253.82761	71.80161	6.34868	0.1184309	0.26963941	2.3729056	20	2 21.3	18.2
36739 2000 RG_{61}	14.0	X	290.86494	214.10228	169.57192	3.57891	0.0489823	0.18615004	3.0378102	20	8 16.4	18.1
36740 2000 RQ_{61}	14.5	X	121.74954	240.71681	75.04027	5.13680	0.1159367	0.25496208	2.4631205	20	—	—
36741 2000 RL_{62}	12.8	X	200.80264	330.64916	63.34180	24.35010	0.1514738	0.17494024	3.1662332	20	5 10.6	18.1
36742 2000 RM_{62}	14.1	X	245.33244	288.94206	94.43598	2.56541	0.1762490	0.18089627	3.0963471	20	6 3.1	18.8
36743 2000 RO_{62}	14.1	X	82.89454	300.82270	58.25772	5.75581	0.1155168	0.20501890	2.8484381	20	—	—
36744 2000 RB_{63}	15.5	X	201.47848	347.31550	33.64905	4.35773	0.1619283	0.28311072	2.2970221	20	4 17.8	19.1
36745 2000 RC_{64}	14.2	X	303.81481	324.66790	347.96131	7.46035	0.1977463	0.23606867	2.5928486	20	5 6.9	17.5
36746 2000 RX_{64}	15.9	X	22.70762	95.08394	239.29517	1.24427	0.0721724	0.30022414	2.2088810	20	11 19.0	18.1
36747 2000 RK_{65}	14.9	X	123.56248	36.82381	166.81810	8.09719	0.0802425	0.24428642	2.5343689	20	9 22.7	18.5
36748 2000 RR_{65}	14.0	X	78.67048	65.75725	16.63921	12.17357	0.1537515	0.21827363	2.7319235	20	3 2.2	17.5
36749 2000 RW_{65}	14.8	X	261.55139	203.77534	130.08016	4.88500	0.1688117	0.28251681	2.3002402	20	4 18.4	18.0
36750 2000 RR_{68}	14.1	X	192.53217	70.11496	145.85443	7.85392	0.0673689	0.25551555	2.4595623	20	12 26.9	17.6
36751 2000 RE_{69}	15.9	X	259.20540	19.74013	31.35197	3.15465	0.0756250	0.29210978	2.2496001	20	8 18.9	18.5
36752 2000 RZ_{69}	14.6	X	118.96936	321.58146	19.95546	8.58970	0.1079446	0.21320424	2.7750586	20	—	—
36753 2000 RH_{70}	14.7	X	118.54525	307.81099	178.02837	5.65832	0.1271570	0.28027291	2.3125012	20	6 9.6	18.0
36754 2000 RL_{70}	14.7	X	251.68314	312.70457	353.26117	5.79898	0.1171156	0.22736960	2.6585681	20	3 9.7	18.7
36755 2000 RT_{70}	15.0	X	346.42901	40.79961	111.93493	3.76053	0.1387919	0.26704348	2.3882589	20	—	—
36756 2000 RG_{71}	15.7	X	32.33952	239.06445	43.27004	6.68390	0.1655964	0.29551249	2.2322979	20	10 6.1	18.1
36757 2000 RY_{71}	14.0	X	98.90007	42.70447	13.04318	7.25947	0.1089195	0.26753417	2.3853378	20	2 8.5	16.9
36758 2000 RG_{73}	14.8	X	71.12338	145.88930	0.42749	5.12358	0.1027818	0.27873251	2.3210133	20	4 28.2	17.4
36759 2000 RO_{75}	14.3	X	207.12342	341.89605	331.56461	10.80920	0.1868801	0.27305970	2.3530490	20	1 31.7	18.2
36760 2000 RS_{76}	14.6	X	288.70762	296.56705	83.59343	3.03918	0.1207242	0.19441828	2.9510596	20	7 31.7	18.3
36761 2000 RW_{76}	14.8	X	223.54891	228.70695	57.10888	7.17073	0.1093745	0.26489830	2.4011351	20	1 13.0	18.4
36762 2000 RU_{78}	14.2	X	6.47545	169.70334	185.15200	9.71274	0.1689893	0.19713589	2.9238758	20	11 11.9	17.6
36763 2000 RJ_{82}	14.7	X	291.89951	196.06461	260.66290	9.69841	0.1829492	0.25244360	2.4794754	20	11 24.9	17.0
36764 2000 RH_{83}	14.9	X	54.08853	125.37889	287.99395	1.70859	0.1632235	0.26264760	2.4148330	20	—	—
36765 2000 RE_{86}	14.7	X	75.00974	298.93170	123.76643	6.82990	0.0568574	0.21712416	2.7415570	20	1 13.3	18.1
36766 2000 RN_{91}	15.1	X	112.75753	290.26203	215.00797	3.54049	0.1185335	0.28374604	2.2935921	20	6 28.1	18.2
36767 2000 RG_{92}	15.5	X	150.20599	22.65988	223.66714	5.81695	0.1084169	0.30522491	2.1846879	20	12 25.3	18.6
36768 2000 RA_{93}	14.7	X	153.12441	48.62824	275.59493	8.46241	0.2864898	0.21648014	2.7469916	20	1 9.9	19.4
36769 2000 RT_{94}	14.8	X	265.02906	9.95300	21.25279	5.09962	0.1205188	0.23898964	2.5716785	20	7 16.9	18.2
36770 2000 RU_{94}	15.9	X	61.10232	170.44756	109.80036	2.14749	0.1853204	0.29932043	2.2133248	20	11 11.5	18.8
36771 2000 RD_{97}	14.7	X	16.53292	278.47018	312.34535	20.79368	0.1412455	0.38732312	1.8638907	20	6 7.1	16.2
36772 2000 RF_{99}	12.5	X	340.38220	298.14260	262.57216	13.33356	0.1571487	0.17629312	3.1500139	20	2 13.6	16.6
36773 2000 RQ_{99}	14.8	X	186.62130	309.73462	300.27978	12.26283	0.1630989	0.21331186	2.7741252	20	—	—
36774 Kuittinen	14.1	X	134.65001	255.53639	250.16812	13.62984	0.1515795	0.23640508	2.5903882	20	7 20.0	18.3
36775 2000 RQ_{101}	13.3	X	275.78704	29.13959	310.80430	13.81249	0.1184188	0.18549399	3.0449686	20	5 17.9	17.9
36776 2000 RV_{102}	13.8	X	135.10735	177.35945	301.06564	12.25457	0.0293057	0.18367955	3.0649885	20	6 7.6	18.4
36777 2000 RP_{104}	14.0	X	160.90381	263.72820	251.17038	12.35416	0.1087678	0.24083968	2.5584918	20	8 24.2	18.2
36778 2000 SU_{1}	14.1	X	84.46760	118.05415	254.77591	11.76065	0.2535808	0.26384756	2.4075057	20	—	—
36779 2000 SW_{1}	15.1	X	230.56406	156.92965	155.72826	7.65181	0.3070432	0.28183647	2.3039405	20	2 13.0	19.2
36780 2000 SL_{2}	14.0	X	141.99581	220.00351	94.12712	9.43700	0.1814006	0.21641309	2.7475591	20	—	—
36781 2000 SM_{2}	15.5	X	334.81073	282.02612	6.99565	6.56137	0.1382731	0.28594895	2.2817972	20	6 9.3	17.6
36782 Okauchitakashige	14.2	X	225.66423	298.28208	65.13314	10.41651	0.1891900	0.23014376	2.6371606	20	4 21.9	18.5
36783 Kagamino	14.9	X	116.87841	219.20574	119.21589	6.81343	0.2096200	0.26266568	2.4147221	20	—	—
36784 2000 SU_{11}	14.8	X	74.20532	2.06734	341.42148	2.25029	0.1985985	0.26297870	2.4128056	20	—	—
36785 2000 SN_{12}	14.1	X	160.14063	296.52251	89.89054	6.38824	0.1562813	0.17824243	3.1270055	20	3 26.1	19.2
36786 2000 SN_{14}	14.0	X	154.61684	214.76144	224.93536	13.25880	0.1432380	0.23225841	2.6211291	20	5 19.4	18.1
36787 2000 ST_{16}	15.8	X	151.66455	180.05184	318.24793	3.39128	0.0928475	0.28938624	2.2636927	20	8 2.2	18.8
36788 2000 SK_{18}	15.0	X	299.63830	248.42164	236.05284	10.83183	0.1934523	0.20551536	2.8438490	20	12 30.3	18.0
36789 2000 SR_{19}	14.4	X	351.39077	72.33550	249.96954	8.13498	0.1564850	0.29429750	2.2384376	20	9 11.6	16.3
36790 2000 SJ_{20}	13.9	X	353.73303	170.99540	250.89588	12.59362	0.0793915	0.20453378	2.8529404	20	—	—
36791 2000 SQ_{22}	15.0	X	175.54372	259.63972	114.56934	7.53663	0.0367674	0.22538499	2.6741518	20	3 17.4	18.8
36792 2000 SC_{23}	13.9	X	164.51343	295.40251	202.71516	14.43116	0.0562961	0.23871650	2.5736397	20	8 8.0	17.9
36793 2000 SZ_{29}	15.8	X	142.85560	155.42775	336.52552	4.10542	0.0843922	0.28785526	2.2717120	20	7 13.9	18.8
36794 2000 SA_{32}	14.9	X	71.93688	105.86563	186.90956	1.32330	0.0600511	0.20216743	2.8751594	20	11 5.9	19.0
36795 2000 SM_{37}	16.1	X	153.87831	184.34439	35.04235	2.73665	0.0829178	0.30293410	2.1956879	20	11 24.9	19.1
36796 2000 SU_{41}	14.8	X	295.71111	65.54371	83.31389	5.92736	0.1452079	0.25875594	2.4389852	20	—	—
36797 2000 SK_{42}	14.4	X	218.74532	356.24941	333.16259	0.56859	0.1888034	0.17636707	3.1491334	20	3 6.3	19.6
36798 2000 SA_{43}	15.7	X	48.39281	13.06439	280.60194	4.56699	0.1123950	0.29796041	2.2200547	20	11 1.8	18.4
36799 2000 SG_{43}	15.7	X	15.33439	246.58331	40.95545	4.46326	0.1557289	0.29241746	2.2480218	20	9 12.1	17.6
36800 Katarinawitt	15.4	X	320.68735	278.17050	45.34934	5.17673	0.1147030	0.28910602	2.2651552	20	7 12.4	17.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
36801 2000 SZ_{49}	15.6	X	330.51171	46.72594	255.76620	4.05143	0.0734919	0.23922707	2.5699766	20	6 27.3	18.6
36802 2000 SJ_{54}	16.0	X	170.95460	190.28364	335.12702	3.35072	0.1194622	0.29660570	2.2268094	20	9 28.9	19.0
36803 2000 ST_{54}	15.0	X	31.61646	353.77878	214.85623	1.18904	0.0579848	0.23419455	2.6066629	20	5 22.9	17.9
36804 2000 SX_{61}	15.0	X	307.86447	260.31699	15.98238	3.85202	0.0538908	0.23181769	2.6244501	20	4 18.1	18.4
36805 2000 SW_{62}	15.1	X	210.10881	275.68555	200.11255	7.14266	0.1750097	0.19191255	2.9766913	20	8 20.2	19.9
36806 2000 SD_{63}	14.9	X	287.28109	158.06100	218.81746	3.09273	0.0904948	0.19086924	2.9875287	20	7 27.7	18.9
36807 2000 SM_{67}	15.4	X	34.34477	128.53802	173.25231	2.68100	0.0740126	0.24713455	2.5148596	20	10 10.5	18.3
36808 2000 SA_{68}	15.9	X	330.75882	253.57399	55.98791	2.05744	0.1878691	0.29070550	2.2568389	20	7 2.1	17.2
36809 2000 SZ_{68}	15.6	X	152.37732	242.21391	13.24445	4.74034	0.1507000	0.25804141	2.4434856	20	12 27.3	19.4
36810 2000 SN_{69}	14.8	X	192.48569	261.30075	129.97373	3.58238	0.1061586	0.22923897	2.6440951	20	4 26.2	18.8
36811 2000 SA_{70}	15.4	X	104.43325	307.94315	50.52523	6.97303	0.1451970	0.26352684	2.4094586	20	—	—
36812 2000 SN_{70}	15.5	X	128.08604	190.10646	95.24181	4.22027	0.1572096	0.30865209	2.1684857	20	—	—
36813 2000 SS_{70}	14.2	X	176.69828	205.04243	123.71872	2.89010	0.2284726	0.17194461	3.2029021	20	2 3.3	19.6
36814 2000 SX_{71}	14.7	X	298.41629	208.51400	99.01566	4.52809	0.0886208	0.18372209	3.0645153	20	5 14.9	18.8
36815 2000 SX_{74}	15.2	X	38.80733	252.63608	166.95636	6.24112	0.0493841	0.21099121	2.7944294	20	—	—
36816 2000 SD_{75}	14.5	X	26.91195	306.64563	169.23824	8.63030	0.2530372	0.21389195	2.7691071	20	1 10.3	16.9
36817 2000 SL_{76}	15.0	X	270.90530	131.60239	158.95277	6.83894	0.1424355	0.27828240	2.3235154	20	3 3.6	18.0
36818 2000 SG_{79}	14.9	X	113.78969	286.99896	140.43966	1.39245	0.1759076	0.17226456	3.1989350	20	3 29.9	19.8
36819 2000 SO_{80}	14.5	X	186.82823	134.32041	130.42999	5.00058	0.0363042	0.21201535	2.7854232	20	—	—
36820 2000 SK_{82}	15.0	X	132.19666	45.06897	63.61765	5.53094	0.0653750	0.23058897	2.6337650	20	5 26.1	18.7
36821 2000 SY_{84}	14.6	X	146.93142	265.84980	140.65107	2.67990	0.2243380	0.17347056	3.1840915	20	4 9.1	20.0
36822 2000 SH_{86}	15.0	X	356.19187	71.48619	113.53593	6.70386	0.0635847	0.22226383	2.6991282	20	2 28.5	18.4
36823 2000 SM_{86}	15.2	X	127.11799	288.08060	136.52745	6.87063	0.0747115	0.27364989	2.3496646	20	3 23.1	18.2
36824 2000 SQ_{86}	14.6	X	293.22982	18.70856	70.83160	7.65154	0.1837624	0.19821253	2.9132783	20	11 2.4	17.9
36825 2000 SL_{87}	15.7	X	211.91531	164.11688	130.90030	5.51195	0.2200643	0.27122335	2.3636581	20	1 11.9	19.8
36826 2000 SS_{88}	14.7	X	49.67188	29.48206	113.07607	6.10211	0.2662648	0.22009381	2.7168407	20	4 21.4	17.5
36827 2000 SP_{89}	13.4	X	91.41590	291.78159	237.32109	21.11916	0.2080385	0.17613544	3.1518936	20	7 7.4	18.5
36828 2000 ST_{94}	14.0	X	18.48553	303.21589	269.44975	7.48608	0.1591417	0.18375920	3.0641028	20	5 13.6	17.4
36829 2000 SQ_{99}	14.8	X	190.83627	251.83596	222.73757	5.34668	0.0729826	0.18971412	2.9996433	20	8 5.7	19.4
36830 2000 SW_{100}	13.6	X	77.60569	220.85306	285.73221	10.40359	0.1999488	0.22505086	2.6767980	20	5 26.6	17.2
36831 2000 SD_{101}	14.5	X	338.83710	329.86559	253.83008	12.81091	0.1033653	0.22508876	2.6764975	20	3 11.3	18.1
36832 2000 SA_{102}	14.4	X	236.45707	228.46998	339.08682	4.05889	0.0311280	0.21116355	2.7929087	20	—	—
36833 2000 SY_{103}	14.2	X	35.71702	288.08487	203.03442	8.43205	0.0692764	0.17061833	3.2194790	20	2 19.6	18.6
36834 2000 SA_{106}	15.3	X	3.23308	235.88397	0.86702	7.32563	0.0662929	0.28309815	2.2970901	20	5 13.7	17.7
36835 2000 SF_{109}	15.2	X	122.10095	350.33606	8.85595	5.54391	0.0444819	0.21541814	2.7560126	20	—	—
36836 2000 SN_{109}	15.3	X	224.40256	157.18086	273.81855	0.37173	0.0391352	0.23874176	2.5734582	20	7 28.5	18.8
36837 2000 SD_{110}	15.0	X	352.31884	30.24472	352.37331	1.55909	0.0922398	0.20014338	2.8945112	20	11 15.7	18.6
36838 2000 SK_{110}	14.7	X	41.67092	348.77337	18.88845	2.22253	0.0865594	0.20526904	2.8461236	20	—	—
36839 2000 SV_{110}	15.1	X	351.86416	293.47357	37.24802	2.00052	0.1492794	0.24478618	2.5309183	20	9 20.3	17.3
36840 2000 SH_{112}	14.9	X	266.52712	193.78379	198.55778	4.77350	0.0836055	0.23914630	2.5705553	20	7 23.9	18.3
36841 2000 SM_{113}	14.4	X	213.16783	169.89967	132.05348	2.36492	0.1483253	0.17209370	3.2010520	20	2 1.1	19.4
36842 2000 SJ_{114}	15.3	X	17.97828	316.91419	54.91046	3.13337	0.1047174	0.20215316	2.8752947	20	12 11.7	19.0
36843 2000 SW_{116}	14.4	X	242.21033	299.87398	63.71610	4.94278	0.0829159	0.23217944	2.6217234	20	5 15.4	18.0
36844 2000 SG_{117}	14.3	X	351.07192	321.94925	157.38847	4.86828	0.0380830	0.21208997	2.7847698	20	—	—
36845 2000 SX_{119}	14.4	X	18.57162	67.87182	133.20832	4.46801	0.1048132	0.27768944	2.3268219	20	4 22.3	16.5
36846 2000 SC_{121}	14.7	X	90.51929	282.76618	155.72145	5.23349	0.1404189	0.21894982	2.7262959	20	3 7.2	18.2
36847 2000 SD_{121}	14.6	X	333.26929	250.93033	62.68783	5.88192	0.2740235	0.24104956	2.5570064	20	7 1.2	16.2
36848 2000 SV_{121}	15.0	X	261.69733	54.33915	175.45846	8.52337	0.1890637	0.26618867	2.3933690	20	—	—
36849 2000 SL_{122}	14.8	X	12.15748	94.11188	46.53065	8.23111	0.0888022	0.21677401	2.7445085	20	1 24.8	18.2
36850 2000 SZ_{122}	14.3	X	323.34250	303.69338	109.14784	3.13828	0.0596561	0.19848240	2.9106370	20	11 11.3	18.0
36851 2000 SS_{123}	15.1	X	334.89102	173.80883	141.63073	4.67827	0.3070983	0.24177067	2.5519195	20	7 4.8	16.5
36852 2000 SA_{124}	13.9	X	152.78105	77.74824	57.40194	8.28829	0.1884250	0.18215897	3.0820215	20	7 28.1	19.1
36853 2000 SU_{124}	14.9	X	24.78456	272.59353	45.45435	5.48368	0.1103568	0.24598767	2.5226703	20	10 24.4	17.9
36854 2000 SA_{125}	14.4	X	227.84565	219.82460	74.54426	6.25468	0.0244554	0.21920117	2.7242114	20	2 7.5	18.3
36855 2000 SB_{125}	14.6	X	267.60736	40.68801	156.21155	5.75767	0.1269287	0.26013806	2.4303386	20	—	—
36856 2000 SP_{125}	15.0	X	179.54753	211.12534	164.12000	7.48185	0.1088576	0.22386659	2.6862300	20	3 23.9	19.0
36857 2000 SL_{126}	15.3	X	215.51055	173.49249	128.50673	5.91886	0.2368017	0.27182587	2.3601641	20	1 23.0	19.2
36858 2000 SO_{127}	15.3	X	57.28842	14.59100	185.73215	3.74508	0.1178526	0.28342749	2.2953103	20	6 30.7	17.7
36859 2000 SC_{136}	14.2	X	123.99655	295.83496	251.71562	12.20342	0.2013049	0.24122240	2.5557849	20	9 1.9	18.7
36860 2000 SP_{136}	15.0	X	38.84426	32.68693	279.52956	9.21013	0.0891651	0.24845513	2.5059404	20	10 29.6	18.3
36861 2000 SG_{137}	13.9	X	7.73618	268.34599	330.15577	13.29783	0.0860044	0.18286437	3.0740905	20	5 25.1	18.0
36862 2000 SH_{140}	15.0	X	59.53768	188.33187	221.79747	6.58938	0.0747766	0.21297971	2.7770086	20	—	—
36863 2000 SW_{142}	14.6	X	161.34300	42.80445	275.40948	8.60077	0.1405158	0.21541902	2.7560051	20	—	—
36864 2000 SO_{144}	16.0	X	24.40313	326.30726	317.26892	1.84121	0.1628389	0.29386969	2.2406096	20	9 20.8	18.0
36865 2000 SQ_{146}	15.0	X	31.94556	64.03369	212.67310	5.92538	0.1861497	0.29384182	2.2407512	20	9 26.3	17.4
36866 2000 SG_{147}	15.6	X	250.09039	224.76267	212.78569	1.43911	0.0323391	0.24292748	2.5438117	20	9 11.1	18.8
36867 2000 SA_{149}	14.8	X	171.40107	218.75227	200.68077	1.62310	0.1802832	0.17759010	3.1346584	20	5 11.7	19.9
36868 2000 SP_{150}	15.2	X	308.60241	286.35470	260.10949	1.82500	0.1102981	0.26534794	2.3984219	20	—	—
36869 2000 ST_{150}	15.2	X	128.01008	136.25076	276.67589	0.74134	0.0884770	0.22178616	2.7030024	20	3 12.5	18.8
36870 2000 SU_{150}	14.9	X	6.56260	341.50045	230.16510	1.92199	0.1401591	0.27784339	2.3259623	20	4 11.4	16.6
36871 2000 SV_{150}	14.8	X	94.94338	192.07544	341.09725	1.39379	0.1434416	0.28296816	2.2977935	20	7 19.3	17.9
36872 2000 SB_{151}	15.4	X	183.13763	91.73018	202.09676	3.39210	0.2094494	0.26696804	2.3887087	20	—	—
36873 2000 SD_{151}	14.9	X	26.18623	157.79965	213.21257	1.34188	0.0997351	0.20247825	2.8722162	20	12 21.3	18.6
36874 2000 SF_{151}	14.5	X	248.16491	19.67906	29.79991	1.39007	0.0980869	0.23777382	2.5804376	20	7 22.2	17.8
36875 2000 SS_{151}	15.0	X	138.45727	198.38713	182.96980	2.73853	0.1088763	0.21958052	2.7210729	20	2 16.4	19.0
36876 2000 SS_{152}	14.1	X	158.30627	343.16944	35.71409	1.65512	0.1900696	0.17197304	3.2025492	20	3 15.2	19.3
36877 2000 SX_{152}	15.0	X	293.24736	46.63036	336.94942	0.66773	0.0592326	0.24096179	2.5576273	20	8 25.6	18.1
36878 2000 SV_{153}	13.8	X	170.93835	186.26149	183.66567	5.43309	0.1660987	0.17261519	3.1946017	20	3 13.5	18.9
36879 2000 SM_{154}	14.3	X	214.65897	265.39822	199.39291	6.27819	0.0808093	0.18920628	3.0050083	20	8 19.2	18.8
36880 2000 SP_{154}	14.6	X	100.17040	307.01647	47.43777	3.81079	0.1131737	0.21058998	2.7979776	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
36881 2000 SX_{154}	14.1	X	222.43634	40.84798	204.15174	9.98631	0.1234123	0.26249672	2.4157582	20	—	—
36882 2000 SW_{155}	14.0	X	308.71869	178.94232	196.48231	13.39192	0.0773477	0.19037522	2.9926949	20	8 25.5	18.1
36883 2000 SN_{156}	14.9	X	125.43242	162.10797	220.25432	1.29886	0.0706065	0.21737454	2.7394514	20	1 29.4	18.7
36884 2000 SN_{158}	14.5	X	211.94304	84.64032	77.87442	3.23546	0.0243970	0.19826412	2.9127729	20	11 6.5	18.7
36885 2000 SO_{159}	15.9	X	106.39544	17.73093	61.61290	1.39913	0.1055280	0.22280106	2.6947877	20	3 23.4	19.4
36886 2000 SV_{161}	14.0	X	301.45220	190.30073	102.66003	11.78095	0.0737142	0.18362786	3.0655637	20	5 5.9	18.3
36887 2000 SA_{162}	14.2	X	298.30856	224.01959	144.70126	12.92562	0.1398472	0.19087891	2.9874278	20	7 26.1	18.0
36888 Škrabal	15.8	X	202.63314	189.09122	92.54274	3.89644	0.1597637	0.31536229	2.1376153	20	—	—
36889 2000 SW_{166}	14.3	X	131.65054	296.98622	235.53984	10.26775	0.0197788	0.18990812	2.9976001	20	8 7.5	18.8
36890 2000 SO_{167}	14.4	X	161.73972	222.49754	218.51714	13.83216	0.0743546	0.23070030	2.6329177	20	5 25.6	18.3
36891 2000 SJ_{168}	14.2	X	299.99019	139.28791	231.02994	10.56780	0.1320795	0.19050473	2.9913383	20	7 28.9	18.2
36892 2000 SB_{169}	15.4	X	128.06442	67.27210	235.18206	7.37841	0.1164418	0.25932456	2.4354186	20	—	—
36893 2000 SA_{170}	14.8	X	269.46800	16.20539	330.26879	2.04480	0.1247913	0.23350993	2.6117552	20	5 19.6	18.5
36894 2000 SK_{170}	14.7	X	158.60214	307.65049	14.40899	4.83004	0.2080751	0.21581814	2.7526062	20	1 7.3	19.2
36895 2000 SL_{171}	13.5	X	166.18064	263.48916	210.05474	9.09602	0.0519760	0.18311461	3.0712892	20	7 8.1	18.2
36896 2000 SQ_{171}	14.1	X	204.11331	212.50237	269.43957	8.95260	0.0630830	0.19213600	2.9743829	20	8 28.3	18.7
36897 2000 SB_{172}	13.8	X	347.62159	101.36021	186.23796	14.38962	0.1087372	0.23383676	2.6093211	20	7 2.3	17.0
36898 2000 SE_{172}	13.5	X	230.26304	325.99031	68.17151	23.59377	0.2039635	0.17786451	3.1314334	20	5 30.1	18.7
36899 2000 SW_{172}	14.4	X	284.06089	257.34140	41.79527	5.13447	0.1543961	0.27272626	2.3549665	20	3 31.2	17.5
36900 2000 SZ_{176}	14.2	X	240.59655	198.03192	246.40860	9.63107	0.0843635	0.19016281	2.9949230	20	8 20.7	18.7
36901 2000 SK_{177}	14.5	X	109.20781	268.93843	317.92420	4.72548	0.1727500	0.29416946	2.2390871	20	10 16.5	18.0
36902 2000 SN_{177}	14.4	X	123.66855	92.81236	304.50478	5.03303	0.0400382	0.21863698	2.7288959	20	2 10.3	18.2
36903 2000 SO_{179}	14.6	X	193.59322	70.39443	277.06535	3.34668	0.1223092	0.22229937	2.6988405	20	3 1.4	19.0
36904 2000 SS_{179}	14.7	X	3.34912	176.40150	5.29161	7.50260	0.0571997	0.22028123	2.7152994	20	3 5.9	18.0
36905 2000 SX_{179}	13.8	X	218.56668	56.16411	11.66579	9.06083	0.1304395	0.18273504	3.0755408	20	7 6.5	18.7
36906 2000 SZ_{179}	14.1	X	189.80747	178.44489	235.41303	11.86524	0.1349659	0.22864716	2.6486557	20	5 20.5	18.4
36907 2000 SX_{181}	14.6	X	298.18998	197.51911	123.71695	14.36308	0.1747373	0.23776409	2.5805080	20	5 22.2	18.0
36908 2000 SK_{182}	15.3	X	30.97886	187.03098	84.19086	7.74176	0.0781623	0.29474983	2.2361469	20	9 3.8	17.8
36909 2000 SK_{185}	15.6	X	217.32781	43.04871	185.84394	1.92461	0.1595891	0.26590222	2.3950876	20	—	—
36910 2000 SS_{187}	13.8	X	323.48554	215.38896	141.46273	11.70867	0.1312288	0.19240135	2.9716476	20	8 24.1	17.2
36911 2000 SY_{187}	15.2	X	105.30417	186.51224	152.12890	4.12682	0.0961721	0.21018707	2.8015522	20	—	—
36912 2000 SA_{188}	14.8	X	131.25007	214.29738	161.52956	5.59947	0.0730501	0.21824723	2.7321438	20	1 28.0	18.7
36913 2000 SR_{188}	15.1	X	172.92369	16.34299	351.05391	3.55315	0.0932119	0.22235934	2.6983553	20	3 6.0	19.1
36914 2000 SX_{191}	14.7	X	84.29880	339.16481	135.03606	1.79835	0.1417560	0.17508631	3.1644719	20	4 17.7	19.1
36915 2000 SP_{195}	16.3	X	233.53833	281.60242	352.96428	3.15661	0.1127765	0.27301276	2.3533187	20	1 7.4	19.8
36916 2000 SW_{195}	15.5	X	316.58167	117.54184	356.29998	2.08444	0.1711312	0.25793958	2.4441286	20	—	—
36917 2000 SJ_{205}	15.3	X	30.21934	19.17704	32.56303	3.85564	0.0909905	0.20855712	2.8161300	20	—	—
36918 2000 SM_{205}	15.9	X	174.81662	81.48136	181.13546	4.10505	0.0942521	0.31034971	2.1605707	20	—	—
36919 2000 SC_{207}	15.4	X	288.38747	162.09216	46.39957	1.86413	0.1221213	0.26566204	2.3965310	20	—	—
36920 2000 SY_{207}	14.3	X	93.87841	344.07319	158.86580	1.48378	0.1173618	0.17784816	3.1316253	20	5 31.6	18.6
36921 2000 SB_{208}	15.7	X	305.67472	224.90557	45.35037	0.97427	0.1970634	0.28069573	2.3101784	20	3 11.4	18.6
36922 2000 SN_{209}	11.7	X	302.74879	221.79653	76.52343	10.39163	0.0424541	0.08156261	5.2659325	20	5 17.7	18.6
36923 2000 SK_{211}	15.4	X	308.51248	137.74685	114.23244	6.92014	0.1697487	0.27848377	2.3223952	20	2 25.3	18.2
36924 2000 SA_{212}	13.9	X	277.47241	251.86909	96.68647	9.87768	0.1012191	0.18547101	3.0452201	20	6 6.9	18.2
36925 2000 SC_{212}	14.6	X	96.70243	306.90791	110.69109	7.19714	0.1039289	0.26872350	2.3782944	20	2 4.8	17.3
36926 2000 SZ_{213}	15.0	X	287.13239	281.84695	70.47851	12.98104	0.1632491	0.23739858	2.5831560	20	6 14.9	18.2
36927 2000 SJ_{216}	14.4	X	251.39128	346.10191	60.63544	8.53393	0.1905191	0.23787536	2.5797032	20	7 9.8	18.3
36928 2000 SN_{216}	15.6	X	98.91524	183.23801	161.61610	10.35075	0.0671151	0.25998699	2.4312799	20	—	—
36929 2000 SB_{217}	14.8	X	205.24876	256.98028	166.30651	13.95581	0.1114617	0.23355081	2.6114505	20	6 18.9	19.1
36930 2000 SM_{217}	14.1	X	267.69073	336.74036	62.75261	11.23795	0.0881674	0.18879474	3.0093737	20	8 4.2	18.4
36931 2000 SS_{220}	14.7	X	317.74732	69.46506	123.26718	7.36782	0.0631500	0.26744512	2.3858672	20	1 5.0	17.6
36932 2000 SK_{221}	14.1	X	23.15150	326.42748	80.47335	11.77724	0.1423866	0.20543601	2.8445812	20	—	—
36933 2000 SF_{222}	14.8	X	218.20743	311.99031	163.81178	13.38742	0.1224039	0.23970711	2.5665444	20	9 9.5	18.3
36934 2000 SG_{226}	15.1	X	315.73728	206.67126	89.64241	9.44909	0.2601666	0.28508039	2.2864295	20	4 27.0	17.4
36935 2000 SB_{227}	14.8	X	143.24909	241.28869	138.06674	6.96689	0.1366792	0.26838788	2.3802767	20	2 17.8	18.1
36936 2000 SF_{227}	13.3	X	297.85077	232.34026	162.93942	11.06709	0.1140489	0.19027422	2.9937538	20	9 3.5	17.0
36937 2000 SX_{229}	15.0	X	209.30620	345.66395	135.40987	2.16580	0.1543118	0.19015838	2.9949695	20	8 29.9	19.5
36938 2000 SA_{234}	15.7	X	197.84721	350.02098	126.77085	7.96925	0.0811623	0.29236768	2.2482769	20	8 29.5	18.6
36939 2000 SB_{237}	15.4	X	159.73135	32.08110	15.74380	0.73063	0.1766283	0.17489187	3.1668170	20	4 17.6	20.6
36940 2000 SA_{239}	14.5	X	231.56171	255.75693	65.85572	12.39757	0.2208864	0.27686834	2.3314200	20	3 5.6	18.6
36941 2000 SV_{239}	13.6	X	144.23898	63.08561	14.86985	0.79799	0.1240292	0.12631267	3.9340339	20	5 7.4	19.6
36942 2000 SK_{241}	15.7	X	283.08859	308.04443	47.57596	2.75010	0.1904668	0.29220553	2.2491086	20	6 10.4	18.0
36943 2000 SF_{242}	15.0	X	95.66017	342.73187	25.87248	7.27171	0.1555634	0.26537672	2.3982485	20	—	—
36944 2000 SD_{249}	15.1	X	353.26012	150.65624	346.98871	6.63169	0.0856260	0.21746708	2.7386742	20	—	—
36945 2000 SM_{256}	15.2	X	31.39009	209.04696	163.15904	6.56152	0.0788756	0.20402809	2.8576524	20	12 26.8	19.2
36946 2000 SN_{256}	15.1	X	300.40311	37.34595	83.42885	4.36245	0.0718876	0.20519543	2.8468041	20	—	—
36947 2000 SW_{258}	15.6	X	44.43980	227.27467	8.28776	4.79521	0.0708535	0.28685713	2.2769786	20	7 28.1	18.1
36948 2000 SO_{259}	15.6	X	72.37183	57.01852	256.05512	1.35395	0.1721324	0.25322392	2.4743790	20	12 23.7	19.4
36949 2000 SG_{260}	14.5	X	318.75139	98.05847	219.14667	2.47515	0.0318705	0.23489873	2.6014507	20	7 3.2	17.7
36950 2000 SL_{260}	14.8	X	104.59582	306.73385	25.75184	2.35779	0.0527242	0.20730197	2.8274858	20	—	—
36951 2000 SF_{261}	14.6	X	243.67255	93.81934	195.22465	10.19713	0.1446659	0.22092734	2.7100028	20	2 5.7	19.0
36952 2000 SM_{266}	15.3	X	66.30326	277.51687	155.98991	5.58054	0.0504048	0.21701237	2.7424985	20	1 13.9	18.8
36953 2000 SO_{267}	15.0	X	285.73347	325.99528	115.00038	3.27158	0.0404294	0.19805820	2.9147916	20	10 27.4	19.0
36954 2000 SB_{269}	14.9	X	1.10876	241.01584	179.84181	13.27808	0.0437875	0.20460489	2.8522792	20	—	—
36955 2000 SR_{270}	15.1	X	326.05252	26.00626	106.61855	4.73863	0.0337909	0.21014717	2.8019068	20	—	—
36956 2000 SU_{273}	14.5	X	294.33628	299.13548	52.38639	4.60015	0.0805485	0.18650164	3.0339909	20	7 6.6	18.6
36957 2000 SB_{275}	14.9	X	95.23792	281.74069	97.52459	3.73885	0.0709634	0.21209765	2.7847026	20	—	—
36958 2000 SQ_{276}	14.6	X	84.92871	32.28232	297.00595	2.10997	0.1501813	0.20598622	2.8395135	20	—	—
36959 2000 SS_{279}	14.5	X	265.03142	226.53368	132.69357	12.70166	0.1512731	0.18487944	3.0517126	20	5 31.1	19.1
36960 2000 SV_{279}	14.7	X	224.66542	320.14395	73.15815	15.56536	0.0988948	0.23304824	2.6152035	20	6 1.4	18.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
36961 2000 SL_{280}	15.7	X	81.98953	344.22668	320.03140	2.72681	0.1659217	0.30384875	2.1912793	20	12 31.9	18.9
36962 2000 SM_{280}	14.8	X	95.24241	215.11455	239.07663	5.08299	0.0907332	0.22228893	2.6989251	20	3 23.3	18.4
36963 2000 SF_{285}	15.1	X	260.50089	192.80207	325.57621	7.91095	0.1461797	0.25502617	2.4627078	20	—	—
36964 2000 SK_{287}	14.4	X	343.92091	286.03518	348.32387	14.57647	0.1062664	0.23261267	2.6184672	20	6 4.1	17.7
36965 2000 SU_{289}	15.0	X	359.14912	319.45401	279.64092	3.77580	0.0998613	0.23387873	2.6090089	20	5 12.7	17.8
36966 2000 SA_{290}	15.5	X	87.95354	302.54879	226.64761	4.27310	0.0979515	0.28452492	2.2894044	20	6 27.1	18.3
36967 2000 SV_{292}	13.9	X	257.95892	64.23921	317.45621	8.77821	0.1057032	0.18471335	3.0535417	20	6 24.2	18.3
36968 2000 SD_{293}	13.7	X	16.29982	58.18668	248.43928	14.09229	0.0905605	0.19223450	2.9733668	20	9 4.9	17.8
36969 2000 SH_{295}	13.4	X	147.53932	75.38158	14.62114	12.97322	0.1480472	0.22536928	2.6742761	20	5 21.9	17.8
36970 2000 SX_{297}	15.2	X	136.19479	231.81344	216.25249	13.15822	0.0103560	0.23020545	2.6366894	20	4 27.7	18.7
36971 2000 SX_{301}	15.7	X	224.90353	356.60799	311.33851	2.41507	0.1017578	0.27361400	2.3498700	20	2 9.1	19.2
36972 2000 SF_{302}	15.3	X	109.87953	150.03700	338.99596	4.02341	0.1080595	0.22907035	2.6453925	20	5 30.5	19.2
36973 2000 SY_{307}	15.4	X	222.91417	338.74004	316.85447	5.70397	0.1318120	0.27162601	2.3613216	20	1 22.9	18.8
36974 2000 SP_{309}	15.9	X	285.39436	72.44254	105.02376	2.61258	0.0699391	0.26464175	2.4026867	20	—	—
36975 2000 SR_{313}	14.6	X	322.46977	104.22215	288.54827	12.24484	0.0562533	0.19658078	2.9293776	20	10 7.0	18.7
36976 2000 SU_{318}	13.9	X	94.59721	110.14834	283.57382	11.51219	0.0829732	0.26443698	2.4039269	20	—	—
36977 2000 SK_{320}	15.6	X	167.00230	190.99093	227.68722	3.81551	0.1407094	0.23226125	2.6211078	20	5 4.2	19.6
36978 2000 SL_{323}	14.9	X	342.20776	29.68702	148.67324	2.65072	0.1487609	0.26771155	2.3842839	20	1 7.1	17.5
36979 2000 SP_{327}	13.5	X	170.47407	60.23688	328.82354	5.00169	0.1345245	0.17433601	3.1735449	20	4 1.7	18.5
36980 2000 SE_{336}	15.9	X	221.52550	343.98994	294.59274	1.81259	0.1810958	0.26921602	2.3753929	20	—	—
36981 2000 SW_{336}	15.3	X	175.35925	295.03036	341.34927	6.18963	0.1001319	0.25990312	2.4318030	20	—	—
36982 2000 SX_{336}	14.5	X	340.17604	184.96613	169.53816	12.40483	0.1311301	0.19205304	2.9752395	20	9 20.0	17.7
36983 2000 SB_{346}	14.9	X	265.60010	297.18853	243.61600	3.66188	0.2634507	0.26260553	2.4150908	20	—	—
36984 2000 SM_{348}	14.6	X	56.53944	48.50263	115.81827	15.63572	0.0441678	0.23042343	2.6350263	20	5 4.4	18.3
36985 2000 SH_{349}	14.8	X	170.03737	31.06341	120.38035	11.24371	0.0962142	0.24089326	2.5581123	20	9 8.4	18.7
36986 2000 SP_{351}	13.9	X	244.56401	330.45071	103.10315	14.83254	0.1480875	0.19067830	2.9895228	20	8 9.9	18.4
36987 2000 ST_{351}	14.7	X	250.19189	217.48951	101.72892	14.35905	0.2386498	0.23103143	2.6304013	20	3 20.5	19.3
36988 2000 SE_{353}	14.8	X	258.08016	312.31559	119.95400	10.47078	0.0840519	0.19175489	2.9783227	20	9 3.6	19.0
36989 2000 SR_{355}	14.8	X	73.80585	318.65301	126.04716	10.36778	0.1499992	0.21893916	2.7263844	20	2 23.1	18.0
36990 2000 SA_{359}	15.1	X	120.82359	114.48375	151.32900	7.15867	0.0857806	0.25128641	2.4870817	20	12 9.3	18.8
36991 2000 SY_{360}	15.2	X	272.06010	293.76984	90.51292	3.60155	0.0519195	0.19198238	2.9759694	20	7 23.9	19.2
36992 2000 SN_{361}	15.4	X	225.34588	272.89366	73.50774	5.77740	0.0924171	0.23000145	2.6382483	20	4 5.6	19.3
36993 2000 SM_{364}	13.9	X	334.59767	233.42332	80.56184	12.22877	0.0926036	0.19156567	2.9802836	20	7 17.3	17.6
36994 2000 SP_{370}	14.2	X	350.48760	152.62523	86.69743	12.16276	0.1612875	0.22873213	2.6479997	20	4 30.2	17.1
36995 2000 TX_{4}	14.7	X	49.36434	181.36052	5.57508	4.72367	0.2392199	0.23237586	2.6202458	20	6 16.8	17.6
36996 2000 TY_{15}	15.2	X	72.69056	93.62146	29.88924	3.70349	0.0334571	0.22405878	2.6846936	20	3 25.9	18.6
36997 2000 TK_{17}	13.5	X	297.49388	98.69587	32.34747	14.33059	0.1691511	0.20392063	2.8586563	20	—	—
36998 2000 TC_{21}	14.2	X	119.11189	75.02934	120.84266	10.87896	0.0265997	0.19228939	2.9728010	20	8 29.5	18.5
36999 2000 TN_{22}	14.6	X	189.31868	283.05599	55.22854	12.76923	0.1713291	0.22444242	2.6816335	20	2 23.9	19.2
37000 2000 TG_{25}	14.9	X	299.45216	58.88144	267.95284	2.39294	0.2127556	0.23726542	2.5841224	20	5 20.4	18.1
37001 2000 TL_{29}	13.6	X	146.80763	251.82717	249.03146	22.26482	0.0741323	0.18320586	3.0702694	20	7 16.5	18.6
37002 2000 TP_{29}	14.0	X	4.62814	302.12660	23.43611	17.61281	0.2266504	0.24243130	2.5472814	20	10 17.3	16.4
37003 2000 TF_{35}	15.3	X	65.43587	353.08705	87.47473	3.00161	0.0649880	0.21688301	2.7435888	20	1 24.4	18.6
37004 2000 TN_{36}	15.3	X	64.21343	34.75757	50.06942	6.75008	0.0866158	0.21685342	2.7438384	20	2 1.3	18.7
37005 2000 TO_{37}	14.0	X	139.52877	273.47821	112.77647	10.22300	0.1052789	0.17421221	3.1750482	20	3 2.5	18.9
37006 2000 TS_{37}	14.9	X	219.66166	169.61023	121.30903	9.08212	0.2335138	0.27548762	2.3392034	20	1 12.6	18.7
37007 2000 TY_{37}	13.7	X	116.74625	348.04759	135.13898	11.33885	0.0463838	0.18434660	3.0575903	20	5 27.3	18.3
37008 2000 TB_{38}	14.0	X	207.11294	178.90869	137.78738	13.75749	0.1049907	0.17565419	3.1576479	20	2 13.2	18.8
37009 2000 TC_{41}	14.2	X	116.67056	62.84218	30.85345	16.44257	0.0460903	0.17941105	3.1134120	20	4 17.9	18.7
37010 2000 TW_{42}	15.5	X	150.82982	75.04567	92.78325	9.27424	0.0588097	0.29444730	2.2376784	20	9 16.9	18.6
37011 2000 TZ_{48}	14.5	X	195.42442	317.28682	150.18653	10.54540	0.0530568	0.18846604	3.0128717	20	8 4.0	19.0
37012 2000 TP_{51}	14.1	X	132.84746	224.42776	98.99920	11.76446	0.1435710	0.16199403	3.3327549	20	—	—
37013 2000 TA_{54}	16.0	X	355.55991	343.84959	181.68973	1.75263	0.1652934	0.26779946	2.3837621	20	1 8.6	18.4
37014 2000 TW_{55}	14.2	X	208.77190	260.47645	98.04404	10.55699	0.1007218	0.17515861	3.1636011	20	4 8.8	19.3
37015 2000 TY_{55}	13.7	X	90.37119	67.18167	83.24057	15.18268	0.1691979	0.17530526	3.1618366	20	6 12.8	18.2
37016 2000 TE_{57}	14.3	X	299.43639	246.28671	86.14136	12.78885	0.1270121	0.18842151	3.0133465	20	6 11.7	18.0
37017 2000 TG_{57}	15.0	X	227.96741	330.58903	134.69220	15.89811	0.0229756	0.24543050	2.5264868	20	9 26.5	18.5
37018 2000 TE_{60}	14.5	X	276.54086	195.61916	149.27962	15.44641	0.2209014	0.23603618	2.5930865	20	5 17.7	18.5
37019 2000 TA_{61}	13.5	X	148.44339	306.31878	155.56619	17.45399	0.1905456	0.17868289	3.1218647	20	6 14.1	19.0
37020 2000 TE_{68}	15.3	X	299.63402	345.05615	221.57756	3.22420	0.1301347	0.21776773	2.7361529	20	—	—
37021 2000 UB_{1}	14.0	X	39.49599	41.84694	210.89290	9.47028	0.1111284	0.23575593	2.5951410	20	8 10.2	17.3
37022 Robertovittori	14.3	X	41.78296	251.10021	180.38047	4.86069	0.0581756	0.20932538	2.8092353	20	—	—
37023 2000 UD_{2}	14.2	X	208.03790	213.43453	224.50542	10.22753	0.0686763	0.18287073	3.0740193	20	7 9.4	19.0
37024 2000 UM_{5}	13.8	X	125.17243	312.68404	40.32101	8.44949	0.2310121	0.21280411	2.7785361	20	1 16.3	18.1
37025 2000 US_{5}	13.8	X	79.78489	1.54045	83.91286	10.43396	0.1014022	0.21590270	2.7518874	20	2 29.3	17.5
37026 2000 UF_{6}	14.0	X	173.31874	279.14936	65.59768	2.33175	0.1479602	0.17013050	3.2256304	20	2 16.6	19.2
37027 2000 UO_{6}	14.7	X	132.20127	218.99989	219.15743	0.47445	0.1707358	0.17323329	3.1869981	20	4 28.7	19.8
37028 2000 UR_{6}	14.6	X	224.27063	345.57543	11.89934	1.40095	0.1832012	0.17837167	3.1254949	20	4 12.5	19.6
37029 2000 UZ_{6}	14.4	X	27.99924	330.62838	48.34836	2.74466	0.0782796	0.20229417	2.8739583	20	12 30.6	18.2
37030 2000 UB_{7}	14.5	X	300.44018	326.74695	54.63973	2.66582	0.1568714	0.19015544	2.9950004	20	8 15.3	18.1
37031 2000 UD_{8}	15.0	X	343.99643	10.00569	306.11003	1.35410	0.1274847	0.23919314	2.5702197	20	8 9.6	17.3
37032 2000 UL_{8}	14.6	X	108.83784	15.57069	48.37182	9.56080	0.1439845	0.21857243	2.7294332	20	3 16.7	18.5
37033 2000 UX_{8}	13.4	X	303.65970	106.76279	241.32884	7.87912	0.0904588	0.18525854	3.0475480	20	7 12.2	17.4
37034 2000 UC_{9}	13.4	X	90.70743	237.07054	233.91574	9.13248	0.0861095	0.17027473	3.2238085	20	4 11.2	17.9
37035 2000 UQ_{10}	14.3	X	273.90157	49.88991	277.68231	1.03415	0.1858835	0.18028276	3.1033678	20	4 23.9	18.8
37036 2000 UA_{20}	13.5	X	168.52597	223.88562	221.13443	15.49101	0.0748413	0.18032643	3.1028667	20	6 6.6	18.3
37037 2000 UK_{21}	14.9	X	10.13777	321.67405	102.70742	3.21685	0.0593834	0.20658704	2.8340053	20	—	—
37038 2000 UN_{21}	15.0	X	155.74461	239.60161	77.26489	5.07148	0.0928007	0.21331052	2.7741368	20	—	—
37039 2000 UX_{21}	14.7	X	349.92553	298.53732	113.66069	3.58651	0.0585132	0.20147380	2.8817547	20	12 18.1	18.3
37040 2000 UP_{22}	15.2	X	168.29983	22.82153	164.51858	4.54864	0.0457811	0.24497606	2.5296103	20	10 23.6	18.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
37041 2000 UZ_{22}	15.0	X	60.80252	352.50479	101.81942	4.29638	0.0715586	0.21640334	2.7476416	20	2 5.6	18.4
37042 2000 UN_{25}	15.0	X	290.74708	113.15716	97.28566	5.90260	0.0919338	0.26446019	2.4037862	20	—	—
37043 2000 US_{26}	15.2	X	290.82605	188.94523	147.88670	5.09962	0.2429861	0.23535011	2.5981234	20	5 18.7	18.6
37044 Papymarcel	14.3	X	263.63844	169.45104	196.02413	0.36341	0.1746178	0.18246145	3.0786144	20	5 31.4	18.6
37045 2000 UG_{34}	15.1	X	318.59423	36.86436	33.53077	2.13566	0.0606687	0.20014240	2.8945206	20	11 25.9	18.9
37046 2000 UP_{35}	15.0	X	177.39485	273.18612	31.98612	3.65911	0.0756577	0.21420055	2.7664468	20	—	—
37047 2000 UU_{35}	14.0	X	190.05772	277.77382	224.29851	8.55638	0.0397939	0.19131492	2.9828871	20	9 9.2	18.4
37048 2000 UZ_{36}	14.9	X	90.11205	163.47127	159.10037	2.49590	0.0633605	0.20360327	2.8616261	20	—	—
37049 2000 UC_{38}	14.5	X	212.62859	59.98941	7.98254	1.46439	0.1890514	0.18175664	3.0865680	20	6 25.8	19.6
37050 2000 UW_{38}	14.2	X	238.60839	268.48646	60.06992	1.84412	0.1894424	0.17736013	3.1373674	20	3 22.6	19.2
37051 2000 UH_{39}	14.3	X	316.29739	217.34278	166.61662	2.38413	0.0335751	0.19295604	2.9659499	20	9 24.4	18.2
37052 2000 UO_{39}	14.5	X	301.47440	200.48398	107.26400	2.29124	0.1458119	0.18249731	3.0782111	20	5 10.6	18.6
37053 2000 UQ_{39}	14.5	X	121.98452	135.87279	203.65827	6.39562	0.1370176	0.21130199	2.7916887	20	—	—
37054 2000 UD_{40}	14.2	X	184.15434	246.26541	270.69400	2.10044	0.1042122	0.19144714	2.9815136	20	9 19.8	18.7
37055 2000 UT_{40}	14.6	X	182.31248	99.77142	175.59217	3.76313	0.0628570	0.20919242	2.8104256	20	—	—
37056 2000 UD_{42}	15.6	X	231.36283	66.28584	195.57846	2.86518	0.1460512	0.26535169	2.3983992	20	—	—
37057 2000 UN_{42}	15.1	X	359.12583	112.47905	84.41400	3.27897	0.1609403	0.27131477	2.3631272	20	3 4.8	17.0
37058 2000 US_{42}	15.1	X	183.00816	124.62192	188.43363	4.89530	0.0234589	0.21441393	2.7646111	20	1 6.8	19.0
37059 2000 UO_{43}	14.3	X	271.67654	241.00767	178.45239	1.77270	0.0773272	0.19027068	2.9937909	20	9 2.7	18.3
37060 2000 UK_{45}	14.5	X	140.51924	284.70344	137.63791	2.25175	0.1828131	0.17190493	3.2033950	20	4 19.4	19.7
37061 2000 UL_{45}	14.8	X	304.37179	340.89623	99.84129	3.40549	0.0791381	0.19769656	2.9183451	20	11 18.0	18.3
37062 2000 UR_{45}	15.1	X	155.04341	238.08405	64.25609	5.13244	0.1253083	0.26051272	2.4280079	20	—	—
37063 2000 UX_{45}	14.8	X	52.57407	233.51052	165.45112	2.39998	0.0284820	0.20725614	2.8279026	20	—	—
37064 2000 UO_{48}	14.5	X	149.14432	51.41745	36.62497	1.36066	0.1630346	0.17490258	3.1666878	20	5 25.5	19.6
37065 2000 UT_{48}	14.0	X	241.71222	318.24632	38.05754	1.55278	0.2189514	0.17953457	3.1119838	20	4 23.9	19.0
37066 2000 UJ_{49}	14.6	X	352.09767	186.45673	195.67845	4.41868	0.1283839	0.19676388	2.9275599	20	11 18.1	17.9
37067 2000 UW_{49}	14.5	X	264.08260	100.60684	158.50832	2.23656	0.1965886	0.26840032	2.3802032	20	1 12.7	18.1
37068 2000 UZ_{49}	14.5	X	346.01521	228.20229	135.76892	2.93287	0.1041587	0.19333548	2.9620678	20	10 13.2	18.0
37069 2000 UC_{50}	14.7	X	347.18871	285.14140	142.21895	2.61300	0.0609747	0.20096030	2.8866616	20	—	—
37070 2000 UT_{51}	14.9	X	20.30099	195.84634	143.81901	2.74498	0.0497855	0.19528885	2.9422828	20	10 27.9	18.9
37071 2000 UY_{51}	14.5	X	251.26192	47.73779	240.90256	5.36027	0.2060215	0.22219711	2.6996685	20	2 8.4	19.1
37072 2000 UF_{52}	14.4	X	65.88125	204.61492	51.92570	2.69511	0.0816784	0.23965891	2.5668884	20	9 23.1	17.7
37073 2000 UH_{53}	14.9	X	214.16585	196.46820	325.43977	1.01521	0.0487197	0.19609671	2.9341964	20	11 3.8	19.1
37074 2000 UV_{53}	14.3	X	109.27417	235.05998	182.56307	4.90274	0.0591364	0.21779177	2.7359515	20	2 20.4	18.1
37075 2000 UC_{54}	13.2	X	68.06734	311.56851	218.38721	16.12793	0.0509603	0.17606331	3.1527544	20	5 23.6	17.6
37076 2000 UK_{54}	13.3	X	242.49147	340.98520	71.09563	11.17943	0.1050098	0.18413338	3.0599502	20	7 15.0	17.9
37077 2000 UK_{55}	14.4	X	314.37909	326.19495	80.41446	10.05736	0.0625952	0.24472977	2.5313072	20	11 3.1	17.4
37078 2000 UZ_{57}	14.2	X	171.41310	159.78612	250.19625	5.51783	0.1211802	0.17697823	3.1418792	20	4 27.8	19.2
37079 2000 UM_{58}	15.0	X	61.37972	230.89946	348.26908	6.03045	0.1139429	0.28645683	2.2790994	20	8 6.4	17.6
37080 2000 US_{58}	15.2	X	27.52268	259.72265	285.88372	3.15826	0.1921321	0.27543820	2.3394832	20	4 17.4	16.9
37081 2000 UW_{59}	13.6	X	162.30048	283.46660	237.17141	12.31520	0.0961075	0.24040161	2.5615990	20	9 2.7	17.7
37082 2000 UH_{60}	14.8	X	321.56701	235.16806	273.92441	3.16733	0.0459937	0.21155024	2.7895043	20	—	—
37083 2000 UK_{60}	15.3	X	7.58427	240.58250	288.75564	2.81825	0.1163390	0.27028803	2.3691079	20	2 10.2	17.7
37084 2000 UD_{61}	15.0	X	100.90751	39.59095	280.96469	5.89540	0.1797072	0.25799437	2.4437826	20	—	—
37085 2000 UO_{63}	14.5	X	41.30323	189.13098	1.96958	4.03345	0.1667592	0.27716632	2.3297487	20	5 25.6	16.6
37086 2000 UU_{63}	15.0	X	332.72625	249.67179	6.19258	6.78192	0.0816554	0.27885192	2.3203507	20	4 19.3	17.6
37087 2000 UN_{67}	14.1	X	200.26983	358.35042	329.83381	5.01826	0.1543338	0.17199282	3.2023036	20	2 19.8	19.4
37088 2000 UE_{70}	14.9	X	269.61418	0.66535	263.34737	5.81189	0.1057316	0.27132580	2.3630631	20	1 30.7	18.3
37089 2000 UQ_{71}	14.4	X	177.78839	80.61371	242.79502	7.66627	0.1439161	0.21689478	2.7434895	20	1 19.1	18.9
37090 2000 UB_{72}	14.2	X	239.44604	352.99569	21.58596	7.16567	0.0484520	0.23077122	2.6323782	20	5 29.1	18.0
37091 2000 UK_{72}	14.1	X	316.60241	108.40386	245.79346	8.39908	0.1019893	0.18864181	3.0109999	20	8 6.6	18.0
37092 2000 UG_{78}	13.5	X	216.71644	201.62488	241.22394	9.38580	0.2737355	0.18201591	3.0836363	20	7 10.4	18.9
37093 2000 UE_{86}	14.4	X	32.18281	106.90656	190.96363	10.86628	0.0163932	0.19186193	2.9772148	20	9 13.1	18.5
37094 2000 UD_{87}	14.6	X	86.48047	56.25711	105.75759	5.09869	0.0751056	0.22854450	2.6494488	20	6 10.4	18.0
37095 2000 UR_{89}	14.6	X	323.00189	161.72888	138.05208	3.13174	0.0620971	0.18308805	3.0715863	20	6 11.5	18.5
37096 2000 UY_{89}	13.9	X	308.20184	196.66484	111.17137	10.91162	0.0641379	0.17991868	3.1075530	20	6 2.2	18.1
37097 2000 UM_{90}	13.6	X	225.17834	15.44593	39.99277	10.25165	0.1045984	0.18201078	3.0836942	20	6 29.0	18.4
37098 2000 UL_{94}	14.9	X	213.74244	287.57465	359.16645	7.17357	0.0961895	0.21630649	2.7484616	20	1 11.8	19.3
37099 2000 UM_{94}	14.6	X	276.08413	350.10719	257.93587	8.99874	0.1907369	0.21969820	2.7201011	20	1 15.9	18.9
37100 2000 UH_{96}	15.2	X	101.97172	322.40975	300.01134	5.34122	0.0762625	0.24653506	2.5189348	20	11 10.5	18.8
37101 2000 UO_{96}	15.4	X	39.90805	330.18344	319.50433	4.14954	0.1497980	0.29364307	2.2417622	20	10 20.2	18.0
37102 2000 UW_{98}	15.6	X	267.57326	309.54601	347.41444	5.22271	0.2078680	0.27661128	2.3328642	20	3 1.7	19.2
37103 2000 UJ_{99}	14.9	X	231.26580	274.80128	8.30239	6.59700	0.0999042	0.21701926	2.7424404	20	1 25.1	19.1
37104 2000 UP_{99}	14.5	X	84.26131	211.79059	10.15139	5.58825	0.1087681	0.28711773	2.2756006	20	9 9.8	17.3
37105 2000 UA_{101}	13.9	X	255.37961	186.23109	266.17046	9.13345	0.0589373	0.19138607	2.9821478	20	9 21.7	18.2
37106 2000 UC_{101}	14.7	X	39.43954	309.10725	307.24235	6.74513	0.1791650	0.28632030	2.2798239	20	9 4.1	17.2
37107 2000 UK_{101}	15.0	X	57.40176	317.97878	335.48216	3.81353	0.1306109	0.29490631	2.2353559	20	11 15.2	18.0
37108 2000 UG_{102}	15.0	X	264.09190	237.12084	298.31646	5.95437	0.0755202	0.25502107	2.4627406	20	—	—
37109 2000 UZ_{102}	13.4	X	237.29905	357.83083	24.94719	6.46353	0.1513609	0.18037084	3.1023574	20	5 26.4	18.3
37110 2000 UF_{103}	13.8	X	211.90360	66.76053	23.55429	8.32760	0.1016027	0.18350792	3.0668992	20	7 31.6	18.6
37111 2000 UP_{103}	14.2	X	215.82104	84.09429	302.66528	5.98474	0.1735070	0.17777602	3.1324725	20	5 8.6	19.4
37112 2000 UG_{104}	14.5	X	107.78301	308.78660	327.66318	6.41197	0.1764614	0.29848710	2.2174423	20	12 19.9	18.0
37113 2000 UK_{104}	14.1	X	270.76690	359.35241	298.72098	6.23661	0.1119884	0.27343623	2.3508884	20	3 14.1	17.3
37114 2000 UO_{104}	14.4	X	88.79586	268.03076	27.85233	12.69748	0.0632739	0.19708903	2.9243392	20	11 25.5	18.8
37115 2000 UE_{105}	14.5	X	151.74400	28.18869	52.03683	11.93995	0.1137479	0.17894838	3.1187761	20	5 15.6	19.3
37116 2000 UG_{110}	14.0	X	252.18945	285.58692	90.99823	14.42948	0.1497940	0.23394176	2.6085403	20	6 6.2	17.8
37117 Narcissus	13.2	X	27.52716	180.12079	248.51043	13.80422	0.5535178	0.05464455	6.8776192	20	2 5.9	19.1
37118 2000 VW_{4}	15.5	X	240.15406	125.48078	134.01754	1.86385	0.1487931	0.26607755	2.3940353	20	—	—
37119 2000 VQ_{6}	15.3	X	67.16103	183.02628	53.83787	4.03171	0.1439778	0.23903820	2.5713302	20	9 8.4	18.7
37120 2000 VS_{6}	14.9	X	249.96824	223.91625	210.67360	8.64937	0.0987117	0.18979398	2.9988018	20	8 18.9	19.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
37121 2000 VU_{7}	15.5	X	154.84979	230.63605	222.95927	8.41620	0.0322398	0.23000752	2.6382019	20	5 31.7	19.1
37122 2000 VQ_{10}	15.1	X	338.30723	229.41812	63.63469	5.99874	0.1777833	0.23584621	2.5944787	20	6 19.3	17.6
37123 2000 VW_{10}	14.5	X	169.99627	289.00126	178.70161	2.10230	0.1143047	0.18102438	3.0948861	20	7 6.7	19.4
37124 2000 VH_{11}	14.6	X	127.84634	132.32166	341.95244	0.52038	0.1219447	0.17622662	3.1508063	20	6 2.9	19.3
37125 2000 VP_{12}	15.1	X	99.34690	155.32148	204.55553	3.91598	0.0823947	0.20967514	2.8061104	20	—	—
37126 2000 VX_{15}	15.0	X	121.43903	216.10622	121.47503	4.07744	0.0913740	0.20941302	2.8084515	20	—	—
37127 2000 VU_{17}	14.1	X	276.01732	234.83052	105.93044	2.97731	0.2094489	0.18238912	3.0794284	20	5 10.7	18.7
37128 2000 VD_{22}	15.2	X	260.15769	76.93865	165.33761	1.36698	0.1459078	0.26503198	2.4003277	20	—	—
37129 2000 VZ_{22}	14.8	X	333.98230	191.41661	260.69005	1.01748	0.0450528	0.20387702	2.8590639	20	—	—
37130 2000 VS_{26}	15.3	X	131.69938	350.90931	315.62325	1.21020	0.2050013	0.25842847	2.4410451	20	—	—
37131 2000 VW_{29}	14.7	X	297.14496	189.00471	99.39787	6.10284	0.0692202	0.27497496	2.3421100	20	4 18.1	17.5
37132 2000 VB_{30}	13.8	X	46.02646	25.56770	91.33358	10.04001	0.0983432	0.21380523	2.7698559	20	2 18.3	17.2
37133 2000 VD_{30}	16.0	X	178.07927	328.93051	97.29997	6.43503	0.2681119	0.27698072	2.3307893	20	5 26.1	20.1
37134 2000 VA_{32}	13.8	X	281.56991	156.22654	224.30219	8.91988	0.1088245	0.18530955	3.0469888	20	7 19.8	18.1
37135 2000 VO_{32}	14.0	X	234.20539	165.10774	212.90487	4.12634	0.1683462	0.17922806	3.1155308	20	5 17.6	18.9
37136 2000 VA_{33}	14.7	X	127.70577	337.85513	83.69782	3.77657	0.0327974	0.21926112	2.7237148	20	3 18.7	18.4
37137 2000 VK_{33}	14.5	X	195.54667	182.22772	71.74183	3.63102	0.1375163	0.25576643	2.4579536	20	—	—
37138 2000 VT_{33}	14.4	X	319.38260	285.39754	153.95188	2.41623	0.0925213	0.19777998	2.9175244	20	12 8.1	17.8
37139 2000 VH_{38}	14.5	X	338.08644	71.67222	293.32658	1.73943	0.1191056	0.19210064	2.9747479	20	9 28.9	17.8
37140 2000 VQ_{38}	15.5	X	208.75696	69.55447	209.75123	2.76250	0.0529888	0.21338182	2.7735187	20	—	—
37141 Povolný	15.4	X	191.65122	139.03147	120.93904	7.24740	0.1028606	0.26001875	2.4310820	20	—	—
37142 2000 VK_{41}	15.5	X	115.35181	212.22211	26.58034	6.89522	0.0950250	0.29624182	2.2286326	20	11 5.6	18.7
37143 2000 VG_{44}	15.5	X	182.82879	287.20747	32.69559	2.57615	0.0081423	0.21652558	2.7466073	20	1 14.9	19.2
37144 2000 VL_{44}	14.7	X	108.54592	97.10603	216.49314	1.37404	0.0525561	0.20422387	2.8558258	20	—	—
37145 2000 VZ_{45}	14.7	X	313.96095	154.05770	165.55126	3.50347	0.1247257	0.18405863	3.0607786	20	6 16.9	18.6
37146 2000 VD_{46}	15.4	X	334.09962	351.59998	256.08945	5.56747	0.1687606	0.27786114	2.3258632	20	3 26.2	17.7
37147 2000 VF_{48}	14.0	X	88.23051	285.67965	249.05645	10.21547	0.1670629	0.17683019	3.1436325	20	7 9.0	18.7
37148 2000 VF_{49}	13.7	X	214.54153	347.98090	357.59919	2.05612	0.2166133	0.17382862	3.1797174	20	3 20.7	19.2
37149 2000 VX_{52}	14.6	X	270.77468	292.20666	295.56855	5.68175	0.0760166	0.26427024	2.4049379	20	—	—
37150 2000 VJ_{53}	13.6	X	284.72552	42.72317	270.22114	6.07566	0.0977702	0.22931622	2.6435013	20	4 27.3	17.2
37151 2000 VF_{55}	14.1	X	349.26247	60.56397	252.81292	7.64322	0.1889549	0.18858167	3.0116400	20	8 6.3	17.4
37152 2000 VV_{56}	13.5	X	345.82195	246.26346	21.76134	7.16004	0.2951710	0.28110278	2.3079477	20	5 9.9	14.6
37153 2000 VK_{57}	13.7	X	240.17434	95.39021	263.77817	8.41672	0.1946602	0.17837018	3.1255124	20	4 25.7	18.8
37154 2000 VZ_{58}	14.1	X	265.69197	163.19176	88.31649	13.93351	0.1214643	0.26530860	2.3986589	20	1 11.9	17.7
37155 2000 VD_{59}	13.2	X	163.99564	118.54198	313.69009	7.69831	0.1476767	0.12539740	3.9531536	20	5 18.1	19.5
37156 2000 VB_{60}	14.1	X	216.08127	237.24815	62.23513	5.61080	0.2188688	0.17015060	3.2253763	20	1 31.9	19.7
37157 2000 VD_{61}	14.2	X	78.35551	114.46887	26.78861	4.96699	0.0916223	0.17256389	3.1952347	20	5 5.3	18.6
37158 2000 VV_{61}	14.0	X	338.44933	329.29300	329.54596	25.40654	0.1900516	0.23325628	2.6136483	20	7 6.3	17.0
37159 2000 WX	14.2	X	238.91274	73.77461	294.03744	1.48584	0.1789701	0.17894011	3.1188722	20	5 7.9	19.2
37160 2000 WR_{5}	13.2	X	258.56917	315.91649	23.46462	12.32137	0.1135256	0.17782574	3.1318886	20	4 28.9	17.9
37161 2000 WE_{9}	14.2	X	72.79988	157.86202	99.84994	12.61103	0.1367348	0.24145423	2.5541486	20	10 16.6	18.1
37162 2000 WV_{9}	14.6	X	335.33731	0.11294	232.19160	2.75304	0.1221787	0.16925426	3.2367536	20	3 27.1	18.7
37163 Huachucaclub	14.8	X	0.82830	148.33164	155.47940	15.57198	0.1672317	0.23883407	2.5727951	20	8 27.8	17.3
37164 2000 WT_{12}	13.7	X	270.60135	200.17099	170.19758	9.45117	0.0856245	0.18222717	3.0812526	20	6 27.4	18.2
37165 2000 WS_{13}	14.2	X	201.37208	346.90645	53.08913	15.40838	0.1016813	0.23175036	2.6249585	20	5 15.0	18.1
37166 2000 WB_{22}	13.8	X	208.70361	333.69925	69.80123	18.46075	0.1196259	0.17970729	3.1099895	20	5 27.4	18.7
37167 2000 WE_{22}	14.3	X	17.37050	223.95508	91.11585	11.34833	0.1016787	0.19247136	2.9709269	20	10 3.0	18.2
37168 2000 WL_{22}	14.9	X	44.43805	185.14910	141.28603	6.95912	0.0816072	0.19939324	2.9017663	20	11 18.2	18.9
37169 2000 WX_{22}	14.4	X	242.96795	170.89387	93.40310	10.42376	0.1229093	0.21632434	2.7483105	20	1 11.4	18.8
37170 2000 WY_{26}	13.3	X	65.78808	328.10392	111.83351	16.48548	0.0106550	0.15892829	3.3754777	20	1 28.2	18.1
37171 2000 WO_{28}	14.2	X	58.63376	154.83054	135.05510	15.21877	0.1322697	0.24526682	2.5276107	20	11 9.6	18.0
37172 2000 WQ_{32}	13.9	X	345.24589	240.24316	105.04020	12.08027	0.1156882	0.19014004	2.9951621	20	9 21.2	17.7
37173 2000 WW_{33}	14.7	X	103.23018	221.67332	97.14297	11.62180	0.1244081	0.20259920	2.8710730	20	—	—
37174 2000 WE_{37}	14.3	X	136.90529	277.41387	102.09502	12.75766	0.1760585	0.21524417	2.7574974	20	2 24.5	18.7
37175 2000 WJ_{40}	13.6	X	88.66439	33.39560	130.80498	7.74496	0.1115219	0.17345699	3.1842574	20	6 20.5	18.2
37176 2000 WB_{42}	15.3	X	18.47056	309.22981	234.49949	0.36952	0.0287264	0.22344082	2.6896413	20	3 28.7	18.8
37177 2000 WC_{43}	15.0	X	91.96871	124.13788	117.82047	4.65535	0.0304288	0.24020322	2.5630092	20	10 1.3	18.4
37178 2000 WD_{45}	14.4	X	250.78395	163.40908	91.37839	8.64396	0.1394731	0.21493080	2.7601771	20	1 6.6	18.7
37179 2000 WW_{45}	15.1	X	328.12225	156.10000	151.01456	4.21324	0.0623239	0.23287791	2.6164786	20	6 30.6	18.1
37180 2000 WE_{46}	14.0	X	114.01234	353.05797	221.40005	9.38856	0.0561375	0.18880188	3.0092979	20	9 12.6	18.5
37181 2000 WS_{49}	14.7	X	356.73992	13.86471	132.30951	13.93555	0.0311570	0.21440084	2.7647237	20	1 11.7	18.5
37182 2000 WW_{49}	13.6	X	255.92970	223.23545	124.11222	18.36211	0.2276733	0.17974075	3.1096035	20	5 2.6	18.9
37183 2000 WH_{50}	13.9	X	168.25060	219.90397	150.62050	13.63230	0.1450251	0.21944098	2.7222263	20	3 9.4	18.2
37184 2000 WC_{53}	14.5	X	160.95633	222.93216	64.79381	3.07374	0.0415254	0.20597860	2.8395836	20	—	—
37185 2000 WJ_{58}	13.3	X	88.28509	162.39932	87.07298	15.07714	0.0835775	0.18739346	3.0243573	20	10 10.9	18.0
37186 2000 WC_{60}	13.4	X	261.62540	276.58525	92.22570	14.68034	0.2733093	0.18158030	3.0885660	20	5 24.5	18.3
37187 2000 WP_{60}	13.1	X	345.85717	192.83668	109.84779	12.25344	0.2408913	0.23251620	2.6191914	20	7 22.1	14.8
37188 2000 WE_{61}	14.6	X	345.80122	158.42528	156.99875	3.41019	0.2127332	0.23583163	2.5945856	20	8 12.7	16.5
37189 2000 WJ_{62}	14.0	X	256.26492	290.63648	148.04198	17.38282	0.0612481	0.19032220	2.9932506	20	9 11.9	18.2
37190 2000 WC_{63}	14.3	X	58.04641	330.05170	90.82102	24.81305	0.2287302	0.25640863	2.4538478	20	—	—
37191 2000 WP_{69}	15.1	X	255.57067	281.70753	293.46652	7.75324	0.1082494	0.26097278	2.4251535	20	—	—
37192 2000 WL_{70}	14.8	X	326.74706	281.92849	318.17995	6.01543	0.0962927	0.27489882	2.3425424	20	3 14.6	17.4
37193 2000 WF_{73}	14.9	X	113.29785	5.76436	285.88702	4.63495	0.0414832	0.20155864	2.8809459	20	12 19.5	19.0
37194 2000 WG_{73}	14.5	X	266.94876	185.03038	22.81625	6.44079	0.0430851	0.26071591	2.4267462	20	—	—
37195 2000 WD_{75}	14.0	X	326.36158	240.22067	340.00946	5.70499	0.1255623	0.16881250	3.2423979	20	2 28.4	18.2
37196 2000 WR_{76}	14.9	X	197.94155	12.28899	279.54173	4.24080	0.1099202	0.21337104	2.7736122	20	1 1.6	19.3
37197 2000 WR_{77}	14.6	X	139.13215	324.32107	12.36260	6.03766	0.0434706	0.21047734	2.7989758	20	—	—
37198 2000 WH_{79}	14.0	X	329.21885	191.37360	94.16282	10.88543	0.0666952	0.17958219	3.1114336	20	6 2.3	18.0
37199 2000 WV_{92}	13.6	X	221.43116	209.31096	77.84658	4.72013	0.0760876	0.16286223	3.3209000	20	1 26.9	18.6
37200 2000 WC_{93}	14.5	X	210.80140	233.62014	73.74240	8.65411	0.0732381	0.21510780	2.7586628	20	2 3.8	18.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
37201 2000 WS_{94}	14.2	X	9.01659	13.98955	8.95365	1.86411	0.0906474	0.19713293	2.9239051	20	12 9.9	17.9
37202 2000 WK_{95}	14.3	X	242.35970	342.03218	67.58205	5.98378	0.1145936	0.23294920	2.6159448	20	7 12.7	17.9
37203 2000 WS_{98}	12.5	X	34.43586	235.31615	83.01925	12.11286	0.1052140	0.18965279	3.0002900	20	10 30.1	16.6
37204 2000 WE_{100}	13.3	X	247.92735	47.86700	86.02245	11.41847	0.0713533	0.19310508	2.9644235	20	11 10.1	17.5
37205 2000 WD_{102}	14.6	X	267.25890	197.61836	141.12668	10.92889	0.1033693	0.17980373	3.1088773	20	5 15.0	19.2
37206 2000 WQ_{102}	14.1	X	24.50800	181.90518	134.48991	14.27032	0.1593447	0.24236671	2.5477339	20	11 2.9	17.5
37207 2000 WM_{103}	14.1	X	322.61705	298.06629	112.54223	14.96749	0.0888005	0.19475239	2.9476835	20	11 11.1	18.0
37208 2000 WK_{104}	15.4	X	310.52138	334.83476	199.31890	4.80344	0.0957722	0.30596167	2.1811793	20	—	—
37209 2000 WA_{108}	14.4	X	138.41389	190.18306	343.69707	4.51532	0.0522735	0.18586292	3.0409379	20	8 23.9	18.8
37210 2000 WW_{113}	14.7	X	217.65580	109.33904	274.17351	10.29345	0.2091598	0.22822763	2.6519006	20	5 2.8	19.2
37211 2000 WK_{119}	13.8	X	307.16265	308.78211	63.53390	11.26191	0.1170163	0.18662877	3.0326130	20	8 23.1	17.8
37212 2000 WO_{126}	14.4	X	323.90132	94.66895	236.18231	9.81672	0.1413084	0.18546815	3.0452514	20	7 14.7	18.1
37213 2000 WD_{127}	14.6	X	275.24277	324.42112	237.27763	10.40667	0.1002366	0.20915181	2.8107893	20	—	—
37214 2000 WG_{130}	14.6	X	23.76842	222.94407	78.17344	4.90241	0.2277720	0.23947326	2.5682149	20	10 18.5	17.5
37215 2000 WU_{131}	15.2	X	305.34223	173.75858	132.30768	2.35382	0.0753070	0.22959560	2.6413564	20	5 23.6	18.4
37216 2000 WZ_{132}	14.3	X	129.92581	334.42178	324.50396	10.70666	0.0587576	0.20566777	2.8424438	20	—	—
37217 2000 WV_{135}	14.2	X	147.55387	198.02391	122.58436	14.23438	0.0877141	0.21307332	2.7761952	20	—	—
37218 2000 WE_{137}	14.0	X	354.18882	164.08495	107.57084	17.13297	0.0453201	0.18020945	3.1042094	20	6 21.5	18.1
37219 2000 WN_{137}	14.2	X	220.58733	175.32826	158.37839	14.05530	0.1810558	0.22308031	2.6925383	20	3 10.9	18.7
37220 2000 WX_{138}	15.5	X	313.16143	37.94402	211.99192	3.64061	0.1460451	0.27307666	2.3529516	20	2 29.9	18.4
37221 2000 WA_{142}	14.2	X	156.73654	323.36229	90.19247	16.13951	0.0725544	0.22538203	2.6741752	20	4 21.9	18.4
37222 2000 WB_{142}	14.6	X	189.96476	60.62194	102.42716	14.31879	0.0961423	0.24425815	2.5345645	20	10 19.6	18.6
37223 2000 WD_{142}	14.6	X	111.75349	348.27286	108.90085	13.91905	0.1229585	0.22380108	2.6867541	20	4 30.2	18.7
37224 2000 WH_{142}	13.8	X	249.67055	148.25833	151.71514	15.72021	0.1542584	0.22496423	2.6774852	20	2 26.5	17.9
37225 2000 WN_{142}	14.2	X	198.44425	285.77107	153.53373	15.33035	0.1057416	0.23336491	2.6128371	20	7 2.3	18.4
37226 2000 WQ_{142}	15.1	X	61.58874	94.41233	132.81851	15.05590	0.0596355	0.23319938	2.6140735	20	8 2.4	18.4
37227 2000 WW_{142}	13.7	X	204.93529	274.87868	87.97039	26.52332	0.1443708	0.22518541	2.6757316	20	4 16.3	18.5
37228 2000 WE_{146}	14.8	X	202.93761	359.20174	106.35462	22.51434	0.0340006	0.23752064	2.5822710	20	8 21.5	18.6
37229 2000 WJ_{146}	14.9	X	192.42466	316.00280	116.41974	15.08571	0.0597715	0.23101866	2.6304982	20	6 19.6	18.9
37230 2000 WA_{147}	14.2	X	200.24291	322.68101	163.49836	9.82399	0.0682772	0.18838135	3.0137746	20	9 1.6	18.6
37231 2000 WW_{148}	14.7	X	60.18074	10.83488	138.67242	12.80171	0.0301546	0.27525766	2.3405061	20	4 12.5	17.7
37232 2000 WS_{154}	14.8	X	348.63631	46.47734	325.43793	7.47748	0.0720328	0.19483991	2.9468007	20	10 21.5	18.6
37233 2000 WV_{154}	14.9	X	255.23090	206.49771	8.08635	9.55618	0.1527644	0.25824848	2.4421792	20	—	—
37234 2000 WY_{154}	14.4	X	128.07280	14.23115	314.44377	5.82735	0.1479570	0.25994160	2.4315630	20	—	—
37235 2000 WP_{155}	15.5	X	217.59988	359.73141	341.10769	5.94740	0.1764575	0.27483761	2.3428902	20	3 11.8	19.3
37236 2000 WX_{161}	14.5	X	89.12987	134.33048	122.21930	10.79098	0.0426020	0.19239638	2.9716988	20	10 13.2	18.9
37237 2000 WZ_{161}	13.7	X	56.23171	17.74342	142.09248	12.33814	0.2198191	0.16898172	3.2402329	20	5 21.9	18.0
37238 2000 WY_{167}	15.9	X	208.52890	148.20176	163.26286	3.28904	0.2149063	0.27108621	2.3644552	20	1 28.5	19.9
37239 2000 WB_{168}	14.6	X	32.11402	76.51557	120.16649	14.50230	0.1180939	0.22563185	2.6722010	20	5 18.0	17.9
37240 2000 WP_{171}	14.6	X	135.27959	9.86393	92.27786	14.17623	0.0833507	0.22798739	2.6537632	20	5 25.7	18.5
37241 2000 WS_{171}	14.7	X	357.38916	216.64797	136.15515	12.18933	0.2056970	0.24671770	2.5176915	20	11 15.4	17.4
37242 2000 WE_{172}	14.1	X	18.62480	114.05449	125.81700	14.89224	0.0460952	0.23186750	2.6240743	20	6 16.8	17.6
37243 2000 WM_{174}	14.0	X	211.24042	170.67972	128.92602	13.17558	0.1425793	0.21703623	2.7422975	20	1 22.7	18.3
37244 2000 WF_{175}	13.2	X	73.19719	29.13801	113.15471	18.89048	0.0626334	0.17109324	3.2135186	20	5 4.8	18.0
37245 2000 WL_{179}	13.6	X	248.33174	196.50134	116.46015	11.69106	0.0740389	0.17140125	3.2096676	20	3 28.3	18.5
37246 2000 WH_{180}	14.3	X	238.39718	229.20439	98.43933	7.68305	0.1459657	0.17378884	3.1802026	20	3 27.8	19.4
37247 2000 WM_{181}	14.3	X	214.64618	308.15079	330.15656	12.22491	0.1304330	0.21515906	2.7582246	20	1 3.0	18.8
37248 2000 WB_{182}	14.6	X	175.19322	291.62286	124.21742	15.90136	0.0686869	0.22590656	2.6700342	20	5 13.4	18.8
37249 2000 WZ_{182}	14.0	X	216.37470	321.90915	119.46808	16.67651	0.1424585	0.23769614	2.5809997	20	7 21.8	17.7
37250 2000 WX_{183}	14.0	X	251.46743	316.59418	354.38629	9.19717	0.1619578	0.17512581	3.1639961	20	3 15.3	18.9
37251 2000 WX_{184}	15.0	X	335.72215	344.98985	297.20566	0.89006	0.0670661	0.18345925	3.0674416	20	6 6.3	18.9
37252 2000 WR_{186}	13.9	X	323.85662	252.08937	117.56287	13.57520	0.1501653	0.18703148	3.0282582	20	9 13.7	17.5
37253 2000 WN_{188}	15.1	X	41.67210	304.32926	287.92755	4.44891	0.1131547	0.23417547	2.6068044	20	7 18.9	18.2
37254 2000 WO_{188}	15.3	X	252.57434	212.60025	10.39910	8.19464	0.0261436	0.21176099	2.7876532	20	—	—
37255 2000 WX_{189}	14.4	X	346.96619	282.63861	323.38478	4.00643	0.0975892	0.17728742	3.1382251	20	5 3.1	18.3
37256 2000 WX_{191}	14.5	X	82.60901	208.76589	141.88366	11.85505	0.0719963	0.20594333	2.8399078	20	—	—
37257 2000 XM_{2}	14.0	X	44.20102	208.95306	15.59544	12.22914	0.0777489	0.18130886	3.0916479	20	7 5.6	18.3
37258 2000 XT_{3}	14.4	X	177.00813	259.43438	16.71910	14.11964	0.0486937	0.25740704	2.4474985	20	—	—
37259 2000 XF_{4}	14.0	X	176.48958	80.99665	303.38665	9.73114	0.1112037	0.17231852	3.1982673	20	3 29.1	19.2
37260 2000 XR_{4}	13.5	X	231.78180	61.50067	15.19885	10.61269	0.1075708	0.18509584	3.0493337	20	8 6.0	18.2
37261 2000 XC_{5}	14.7	X	7.09701	189.24256	342.40368	8.55894	0.0800846	0.21703781	2.7422841	20	2 25.5	17.9
37262 2000 XC_{9}	14.0	X	83.13495	259.77183	48.82668	13.98433	0.2220004	0.24484122	2.5305390	20	12 30.1	18.3
37263 2000 XP_{12}	14.5	X	138.05683	211.95662	19.35648	13.92372	0.1059636	0.24144797	2.5541928	20	11 8.3	18.5
37264 2000 XS_{16}	14.1	X	277.55699	22.37814	356.59820	8.82286	0.1446538	0.18460348	3.0547531	20	7 11.1	18.4
37265 2000 XT_{17}	14.4	X	297.25617	321.89987	8.72849	14.43664	0.1674549	0.23396287	2.6083834	20	5 26.0	17.9
37266 2000 XG_{18}	13.6	X	114.52653	45.51434	348.58152	11.69045	0.0624318	0.21440279	2.7647069	20	2 2.8	17.5
37267 2000 XJ_{23}	14.5	X	31.67554	315.66988	321.66939	12.43153	0.1738357	0.23856204	2.5747506	20	9 11.5	17.6
37268 2000 XB_{24}	13.9	X	322.31196	352.29258	352.92471	10.34326	0.1720289	0.18655825	3.0333771	20	8 3.9	17.4
37269 2000 XO_{24}	14.0	X	153.11772	116.46467	44.25041	16.33800	0.0514835	0.23446998	2.6046211	20	9 7.2	18.0
37270 2000 XP_{32}	13.6	X	91.50718	260.19193	334.99566	13.20060	0.1532459	0.18382346	3.0633886	20	9 22.2	18.3
37271 2000 XR_{34}	14.1	X	351.74434	302.83654	46.63721	14.52816	0.1863849	0.23887803	2.5724794	20	10 23.4	16.5
37272 2000 XR_{39}	13.2	X	219.77221	320.68858	55.81987	23.04300	0.0797192	0.17300546	3.1897955	20	5 9.6	18.1
37273 2000 XP_{40}	14.5	X	43.29020	234.87158	347.21450	14.87947	0.0880160	0.22912939	2.6449381	20	7 6.3	18.0
37274 2000 XO_{42}	13.4	X	250.00489	348.93058	335.19386	14.65531	0.2651965	0.27507835	2.3415231	20	3 11.7	17.5
37275 2000 XF_{43}	12.9	X	246.19738	56.97105	24.15079	15.75224	0.1734172	0.23593752	2.5938093	20	8 28.5	16.8
37276 2000 XL_{43}	14.4	X	1.18461	330.65551	342.13036	14.03576	0.2064939	0.23816287	2.5776266	20	9 13.9	16.7
37277 2000 YJ	14.8	X	265.43313	340.09306	9.23678	22.94317	0.0918520	0.28014369	2.3132123	20	5 13.1	18.2
37278 2000 YE_{7}	14.6	X	259.44559	212.42127	88.53554	14.18160	0.1462873	0.21753645	2.7380919	20	3 16.7	19.0
37279 Hukvaldy	15.1	X	337.59422	199.84150	68.74128	8.37923	0.1611775	0.22587089	2.6703152	20	5 13.7	17.7
37280 2000 YT_{19}	13.3	X	3.54692	263.45694	349.36595	22.12883	0.0723176	0.17258381	3.1949888	20	6 6.0	17.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
37281 2000 YA_{61}	12.1	X	300.55643	290.39756	133.60423	5.76188	0.0621659	0.08620214	5.0752491	20	10 4.9	18.7
37282 2000 YJ_{67}	13.8	X	249.56527	188.12276	136.36141	15.74463	0.0825806	0.17133298	3.2105202	20	4 12.3	18.8
37283 2000 YA_{71}	13.6	X	136.04404	75.74149	96.08987	12.80323	0.0622366	0.18307804	3.0716982	20	8 22.2	18.3
37284 2000 YG_{76}	13.7	X	261.62315	293.86013	109.42116	11.71293	0.1321672	0.18306835	3.0718066	20	7 22.3	18.0
37285 2000 YJ_{78}	15.0	X	54.43617	202.07621	79.33922	4.10128	0.1428220	0.28906700	2.2653590	20	10 29.6	17.8
37286 2000 YL_{101}	12.0	X	129.23236	9.95625	107.01051	23.83852	0.0760284	0.17406526	3.1768349	20	6 7.9	17.0
37287 2000 YM_{101}	13.2	X	198.68939	282.78825	121.69369	13.53096	0.2443955	0.22730148	2.6590992	20	5 18.8	18.1
37288 2000 YU_{121}	14.7	X	173.10555	247.63822	130.08769	12.00056	0.2515854	0.22556726	2.6727111	20	3 28.7	19.5
37289 2000 YK_{124}	14.7	X	37.90784	231.82851	175.75741	2.25541	0.0611908	0.20529923	2.8458445	20	—	—
37290 2000 YX_{135}	13.6	X	187.42032	209.74427	130.76751	9.40757	0.1989051	0.21877893	2.7277154	20	2 21.1	18.1
37291 2001 AP_{26}	13.7	X	285.77412	192.35439	6.89463	8.85654	0.0394947	0.15474550	3.4360332	20	—	—
37292 2001 AN_{34}	14.1	X	126.70063	241.45179	77.32848	13.76390	0.1024731	0.20223570	2.8745123	20	—	—
37293 2001 AF_{43}	13.5	X	330.31937	255.56562	12.22034	11.84437	0.1168047	0.17078923	3.2173310	20	5 2.2	17.6
37294 2001 BT_{44}	15.0	X	287.96546	81.78691	113.82485	6.43606	0.0831497	0.24783056	2.5101489	20	—	—
37295 2001 BB_{46}	14.5	X	356.86438	135.83962	232.00644	10.79998	0.2189164	0.24133728	2.5549737	20	12 1.9	17.0
37296 2001 BX_{54}	14.1	X	121.57189	144.37847	108.66463	14.52876	0.1239931	0.24458890	2.5322790	20	11 26.7	18.2
37297 2001 BQ_{77}	11.6	X	214.64624	256.13087	250.92555	20.75637	0.0764651	0.08202136	5.2462793	20	9 21.1	19.1
37298 2001 BU_{80}	11.7	X	90.71470	110.65303	171.20878	13.71983	0.0143558	0.08517887	5.1158145	20	10 21.9	18.6
37299 2001 CN_{21}	11.4	X	263.75607	128.07180	321.78586	29.66434	0.1020073	0.08399695	5.1636927	20	9 3.4	18.5
37300 2001 CW_{32}	11.9	X	262.21097	90.69007	7.49652	21.52904	0.0386874	0.08442806	5.1460993	20	9 29.5	18.6
37301 2001 CA_{39}	11.7	X	203.27707	168.41371	346.22929	20.34982	0.0523019	0.08361860	5.1792568	20	9 23.6	18.9
37302 2001 EG_{11}	14.7	X	117.42778	204.84020	110.70076	5.55190	0.2043796	0.23852161	2.5750415	20	—	—
37303 2001 EF_{23}	14.5	X	252.13123	241.35708	177.69946	9.80266	0.0795983	0.22325965	2.6910962	20	8 8.5	18.4
37304 2001 EW_{23}	14.1	X	339.29110	59.28673	347.06497	10.23648	0.1594140	0.18705002	3.0280581	20	11 23.2	17.7
37305 2001 HF_{55}	15.1	X	135.80051	141.10711	95.56868	7.12912	0.0692962	0.27943828	2.3171036	20	11 24.5	18.3
37306 2001 KW_{46}	12.9	X	157.36574	146.88872	234.67642	17.71224	0.2251254	0.24289901	2.5440104	20	3 7.7	17.5
37307 2001 LG_{16}	15.8	X	0.77639	352.15462	254.09209	4.88834	0.1224755	0.30874710	2.1680408	20	5 26.4	17.3
37308 2001 OP_{16}	16.9	X	37.17524	257.38291	58.87541	5.57878	0.3231943	0.31896156	2.1215038	20	12 21.9	20.0
37309 2001 OX_{62}	13.7	X	212.88075	282.62110	17.42276	15.05569	0.1286733	0.22940649	2.6428078	20	1 28.9	18.1
37310 2001 OE_{107}	14.6	X	56.70738	116.72816	314.94558	5.79430	0.0887439	0.28079323	2.3096436	20	—	—
37311 2001 PH_{28}	14.2	X	40.54962	318.23736	162.34207	0.82403	0.1181263	0.18582550	3.0413461	20	2 16.9	17.8
37312 2001 PJ_{62}	13.4	X	97.96786	187.29268	246.15102	9.96396	0.0834431	0.18224923	3.0810039	20	2 29.8	18.0
37313 2001 QC	14.0	X	173.10719	185.15722	144.75349	11.51402	0.0132503	0.18215036	3.0821187	20	1 20.1	18.5
37314 2001 QP	14.7	X	183.12605	254.00281	192.23571	25.78871	0.4445339	0.24037497	2.5617882	20	6 19.7	20.4
37315 2001 QQ_{16}	15.9	X	153.73519	262.05456	81.08042	3.67168	0.1405819	0.28598864	2.2815861	20	1 11.7	19.1
37316 2001 QS_{28}	14.0	X	317.66794	259.49331	180.88124	7.60644	0.2112408	0.21074690	2.7965886	20	12 10.3	16.7
37317 2001 QT_{31}	13.8	X	137.76835	225.68501	155.53397	14.65005	0.1820139	0.23160311	2.6260710	20	2 22.5	17.6
37318 2001 QZ_{31}	14.3	X	203.45158	229.87742	151.87366	12.86157	0.1665162	0.24103363	2.5571191	20	4 26.1	18.6
37319 2001 QL_{37}	14.0	X	267.30016	286.76742	155.41195	8.06141	0.2071482	0.21142534	2.7906028	20	9 10.5	17.5
37320 2001 QF_{51}	15.8	X	218.22032	215.13803	63.43840	2.59263	0.1520795	0.28943516	2.2634376	20	—	—
37321 2001 QX_{69}	13.8	X	51.48189	243.91382	194.77173	12.77746	0.1706016	0.22796233	2.6539577	20	1 3.7	16.7
37322 2001 QM_{76}	14.4	X	194.51968	125.88005	223.56027	8.57504	0.1112816	0.23394127	2.6085439	20	3 1.8	18.7
37323 2001 QY_{76}	14.6	X	138.43053	137.02489	331.17012	3.66348	0.2163096	0.23824767	2.5770150	20	6 12.9	18.8
37324 2001 QN_{77}	14.5	X	114.32105	39.60183	38.36620	12.95050	0.2722154	0.23105635	2.6302121	20	4 20.5	18.7
37325 2001 QG_{78}	14.3	X	3.44720	234.50535	224.39174	8.69033	0.1784516	0.21729632	2.7401088	20	—	—
37326 2001 QA_{79}	13.4	X	160.04834	348.62348	25.96567	6.21784	0.1475596	0.17839936	3.1251715	20	3 10.6	18.4
37327 2001 QG_{79}	14.6	X	168.99061	226.14624	209.00045	8.88128	0.1323409	0.23896754	2.5718370	20	5 27.7	18.7
37328 2001 QN_{99}	13.8	X	157.04938	194.22485	246.11230	13.23607	0.1221208	0.23804936	2.5784460	20	5 20.9	17.8
37329 2001 QW_{108}	16.3	X	158.34035	295.84155	128.76457	29.46069	0.4745555	0.23652011	2.5895482	20	5 24.4	22.1
37330 2001 QN_{136}	13.6	X	257.06391	66.32914	276.20146	9.26706	0.1052581	0.19164540	2.9794570	20	5 1.1	18.0
37331 2001 QY_{138}	14.3	X	10.06316	204.29874	253.65802	12.70648	0.1096394	0.22119120	2.7078472	20	—	—
37332 2001 QJ_{140}	14.0	X	74.37346	169.95319	329.31565	12.67152	0.1000186	0.23677808	2.5876670	20	4 19.7	17.6
37333 2001 QU_{178}	16.1	X	296.39933	330.24590	47.76353	3.10062	0.1990838	0.30713610	2.1756155	20	8 12.5	17.6
37334 2001 QW_{197}	13.9	X	156.05974	63.31857	304.11455	5.14128	0.1575024	0.17909475	3.1170767	20	2 24.8	18.9
37335 2001 QX_{268}	15.2	X	25.86987	251.03827	100.41587	7.65750	0.1134346	0.26676879	2.3898980	20	12 15.3	18.2
37336 2001 RM	15.6	X	203.29856	117.98182	223.66262	36.66482	0.4834794	0.29144017	2.2530445	20	2 19.9	21.1
37337 2001 RH_{72}	13.7	X	85.43804	213.86173	209.37079	16.10602	0.1243820	0.17609875	3.1523314	20	2 8.0	18.3
37338 2001 RF_{93}	13.7	X	311.88302	238.24557	169.47315	12.85654	0.1060072	0.15639935	3.4117674	20	10 8.4	18.1
37339 2001 RQ_{94}	14.4	X	300.10996	235.61567	299.52683	1.89726	0.0920901	0.22573467	2.6713894	20	—	—
37340 2001 RY_{120}	14.6	X	40.57059	302.62593	50.47459	3.10101	0.0348417	0.21677368	2.7445113	20	12 11.5	18.3
37341 2001 SO_{16}	16.7	X	5.99037	192.04425	167.93732	7.04034	0.1471232	0.26455950	2.4031846	20	12 3.5	19.4
37342 2001 SA_{22}	14.3	X	16.86724	320.40755	217.68632	7.01776	0.1345883	0.23920959	2.5701018	20	3 14.5	16.9
37343 2001 SG_{27}	15.9	X	224.31188	166.80505	149.51845	0.96478	0.1848312	0.23870872	2.5736957	20	2 20.0	20.2
37344 2001 SS_{54}	13.9	X	171.90777	129.14416	183.69533	24.02935	0.1321744	0.17558587	3.1584670	20	1 6.1	19.3
37345 2001 SV_{153}	13.8	X	196.30329	296.02739	350.74552	4.16237	0.1804899	0.17503174	3.1651297	20	1 1.2	19.2
37346 2001 SU_{154}	14.4	X	20.15214	293.50222	344.16624	1.14639	0.0372368	0.19982836	2.8975524	20	8 6.2	18.2
37347 2001 SB_{287}	14.6	X	185.93845	6.77603	47.23022	16.62512	0.1811452	0.24215857	2.5491936	20	5 15.2	18.8
37348 2001 SH_{289}	15.3	X	142.21014	228.92794	97.30288	7.13368	0.2518521	0.28009509	2.3134798	20	—	—
37349 2001 SV_{291}	14.5	X	75.61010	335.99013	131.61809	12.80829	0.1399176	0.23076386	2.6324341	20	3 27.6	17.9
37350 2001 TU_{19}	14.5	X	112.60931	187.19201	278.53772	7.64844	0.1601772	0.23593620	2.5938190	20	5 8.3	18.4
37351 2001 TE_{36}	14.1	X	180.68041	6.98946	270.39410	11.34523	0.1640983	0.27277515	2.3546851	20	—	—
37352 2001 TW_{64}	14.7	X	235.15268	102.77402	169.46212	3.05773	0.0578836	0.22939126	2.6429248	20	1 13.8	18.4
37353 2001 TG_{66}	15.1	X	280.50939	322.68243	221.52826	6.23875	0.1950493	0.27267448	2.3552647	20	—	—
37354 2001 TN_{107}	14.5	X	28.53349	274.88710	109.81770	3.98446	0.1737644	0.26326994	2.4110258	20	—	—
37355 2001 TQ_{116}	14.2	X	248.87811	338.14205	42.11039	9.65427	0.1316192	0.19018163	2.9947254	20	6 6.7	18.7
37356 2001 TY_{187}	13.9	X	92.89466	64.10621	294.79714	3.29974	0.0918173	0.16741583	3.2604061	20	—	—
37357 2001 TD_{196}	13.6	X	327.02724	1.77409	144.83453	22.12661	0.0211536	0.16783676	3.2549526	20	—	—
37358 2001 UM_{10}	14.8	X	60.16895	233.50265	163.37164	2.44051	0.2092473	0.26858638	2.3791038	20	—	—
37359 2001 UM_{17}	16.3	X	251.57292	151.28684	207.23524	4.59736	0.3315691	0.29779474	2.2208780	20	4 22.3	19.8
37360 2001 UZ_{24}	13.8	X	298.98691	268.35064	291.69635	7.87410	0.0309969	0.17525609	3.1624279	20	1 12.0	18.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
37361 2001 UW_{46}	14.8	X	247.29375	278.37740	158.30115	2.40060	0.0310940	0.20013657	2.8945769	20	9 1.4	18.7
37362 2001 UM_{65}	15.0	X	11.41632	109.19420	257.43858	5.19230	0.1880559	0.26210372	2.4181724	20	12 25.5	17.8
37363 2001 UU_{94}	15.1	X	2.95787	306.05120	171.08093	11.99015	0.0916333	0.27479495	2.3431327	20	—	—
37364 2001 UW_{118}	16.8	X	46.00153	154.78725	200.35593	5.55527	0.1526936	0.26615078	2.3935962	20	—	—
37365 2001 UG_{153}	15.2	X	231.15945	95.05483	73.21025	1.53101	0.0815675	0.26145899	2.4221461	20	12 13.3	18.2
37366 2001 UZ_{157}	15.1	X	220.27972	8.97720	220.77886	4.48064	0.0808050	0.27073672	2.3664897	20	—	—
37367 2001 VC	15.3	X	265.94785	299.42528	63.34048	22.80363	0.3366318	0.30288604	2.1959202	20	5 12.6	18.6
37368 2001 VR	14.1	X	195.88465	290.39154	148.47253	28.65891	0.3126877	0.24182128	2.5515635	20	6 25.2	19.3
37369 2001 VV	14.5	X	132.33124	324.13326	68.18951	15.14244	0.1080233	0.23524788	2.5988761	20	2 29.7	18.5
37370 2001 VM_{9}	14.1	X	4.93598	131.25084	258.26587	2.03005	0.1638757	0.20954945	2.8072324	20	12 25.9	17.5
37371 2001 VR_{27}	13.9	X	206.15231	51.54506	236.26550	15.21545	0.2779150	0.22658495	2.6647022	20	1 2.5	18.9
37372 2001 VF_{33}	14.6	X	117.30938	1.37712	42.50565	4.23528	0.0946273	0.22704617	2.6610922	20	2 19.9	18.3
37373 2001 VM_{34}	14.3	X	272.27391	167.25301	196.38205	1.20597	0.1739571	0.24589331	2.5233156	20	6 9.1	17.7
37374 2001 VA_{37}	14.0	X	72.95250	16.75756	81.63841	3.32077	0.1841241	0.17284111	3.1918173	20	3 21.3	18.2
37375 2001 VY_{39}	13.6	X	66.74004	226.81491	59.79556	16.66796	0.2205794	0.20464907	2.8518687	20	11 13.8	17.9
37376 2001 VD_{42}	15.2	X	19.10851	284.20955	130.93274	1.02500	0.1557915	0.21385529	2.7694236	20	—	—
37377 2001 VP_{46}	14.2	X	206.05153	140.74598	257.27049	9.00170	0.1662097	0.23790807	2.5794668	20	5 14.0	18.3
37378 2001 VU_{76}	15.5	X	227.44943	88.91895	242.48969	23.28740	0.1385669	0.39322798	1.8451844	20	2 17.3	18.7
37379 2001 VP_{92}	14.6	X	203.71501	226.69383	163.20686	11.53460	0.1670315	0.18636336	3.0354916	20	5 6.7	19.7
37380 2001 VF_{94}	14.1	X	110.76379	229.99200	170.14166	13.33683	0.1964697	0.17338907	3.1850890	20	2 24.2	18.8
37381 2001 VZ_{119}	14.8	X	256.46688	209.99209	61.35804	3.60666	0.1891216	0.28048326	2.3113449	20	1 20.9	18.5
37382 2001 VR_{120}	14.7	X	189.54203	259.10582	64.65968	7.48730	0.1353611	0.27749787	2.3278926	20	1 26.4	18.2
37383 2001 VM_{122}	14.9	X	57.74085	323.02901	79.28068	10.57547	0.1671650	0.21484266	2.7609320	20	—	—
37384 2001 WU_{1}	14.8	X	77.97102	81.94346	63.02642	20.46752	0.5654183	0.17521469	3.1629260	20	7 9.5	20.5
37385 2001 WP_{27}	13.8	X	209.28101	199.92754	76.72567	15.72116	0.0434398	0.16969313	3.2311705	20	—	—
37386 2001 WG_{29}	14.2	X	303.23034	333.71842	93.56013	8.53555	0.1378870	0.25798241	2.4438581	20	11 12.9	16.6
37387 2001 WT_{29}	13.5	X	196.06402	194.49048	82.97293	15.13475	0.1608117	0.22100994	2.7093275	20	—	—
37388 2001 WJ_{36}	14.6	X	117.13699	348.63193	100.10287	8.87979	0.1050177	0.17943069	3.1131848	20	4 23.0	19.3
37389 2001 WR_{38}	15.2	X	108.76401	317.70461	153.81309	5.68284	0.1374758	0.23370452	2.6103053	20	5 12.4	18.9
37390 2001 WL_{49}	13.5	X	148.52939	52.28360	339.24208	13.27197	0.2073625	0.22856211	2.6493127	20	3 15.9	17.8
37391 Ebre	14.8	X	35.27361	42.98315	72.10351	6.55039	0.2309221	0.27217304	2.3581566	20	1 11.9	16.3
37392 Yukiniall	15.3	X	322.02597	334.91840	232.67969	9.50193	0.1578683	0.27841256	2.3227912	20	1 11.9	18.4
37393 2001 XF_{24}	14.8	X	37.05513	254.88416	53.17016	6.13131	0.1882618	0.30604126	2.1808011	20	11 21.5	17.4
37394 2001 XK_{24}	15.2	X	85.44814	303.21876	62.77869	7.49883	0.2042253	0.26939127	2.3743625	20	—	—
37395 2001 XJ_{30}	15.7	X	80.19872	224.51556	252.75749	6.17392	0.1518954	0.27927925	2.3179831	20	4 7.1	18.4
37396 2001 XM_{42}	15.0	X	58.57498	85.13541	343.08790	8.29785	0.1551849	0.21953443	2.7214538	20	1 6.8	18.0
37397 2001 XP_{47}	15.2	X	36.92295	73.99586	4.96553	8.42314	0.1947851	0.21610678	2.7501547	20	—	—
37398 2001 XY_{49}	14.2	X	328.73273	203.63574	70.77932	7.48520	0.0162924	0.18639678	3.0351288	20	5 21.6	18.2
37399 2001 XO_{61}	15.8	X	29.75050	181.38932	158.90404	2.71411	0.2082546	0.25996752	2.4314014	20	12 17.9	18.8
37400 2001 XG_{67}	14.0	X	324.60087	353.22313	228.10070	0.59111	0.1113935	0.16910420	3.2386682	20	2 28.7	18.3
37401 2001 XK_{74}	13.3	X	149.45931	323.87625	100.38036	15.93471	0.0819549	0.18161305	3.0881948	20	4 29.1	18.2
37402 2001 XB_{98}	16.0	X	300.83738	301.86836	72.37370	3.60529	0.1256282	0.30245934	2.1979850	20	8 27.5	17.9
37403 2001 XV_{98}	13.3	X	179.75707	300.26494	90.29149	12.77678	0.2266125	0.18054509	3.1003609	20	4 20.5	18.8
37404 2001 XF_{99}	15.1	X	216.76375	289.25117	91.13331	7.85565	0.2571071	0.29147941	2.2528423	20	4 30.1	19.0
37405 2001 XT_{100}	14.7	X	151.96912	341.03064	56.34662	3.57535	0.1811041	0.22890650	2.6466548	20	3 28.5	18.9
37406 2001 XG_{103}	16.3	X	7.34428	67.68732	267.97708	2.88147	0.1400647	0.30764610	2.1732104	20	11 9.5	18.2
37407 2001 XT_{113}	14.2	X	283.45249	122.72170	108.75431	12.34232	0.0287499	0.22235351	2.6984025	20	1 24.7	17.8
37408 2001 XY_{114}	14.2	X	292.20626	296.60693	68.52850	12.17279	0.1641379	0.19239238	2.9717400	20	7 9.5	18.2
37409 2001 XW_{115}	14.1	X	39.45289	349.18139	5.94579	4.98910	0.2135584	0.26021020	2.4298894	20	—	—
37410 2001 XQ_{118}	15.1	X	190.30703	263.71736	79.99514	5.71953	0.1817299	0.27724671	2.3292983	20	2 23.4	18.8
37411 2001 XH_{152}	15.2	X	219.98667	293.09075	186.61649	1.52568	0.0662092	0.19752276	2.9200567	20	9 17.5	19.5
37412 2001 XG_{183}	16.8	X	26.82534	289.04385	123.51639	1.93777	0.1804466	0.26585355	2.3953799	20	—	—
37413 2001 XB_{184}	14.7	X	246.19981	116.12273	148.38181	5.32874	0.1164783	0.21890791	2.7266439	20	1 14.1	18.8
37414 2001 XN_{191}	15.0	X	94.26747	50.17829	142.01398	2.54675	0.0400912	0.18541801	3.0458004	20	7 23.2	19.2
37415 2001 XQ_{196}	15.0	X	79.40297	185.52471	184.51308	2.64059	0.2011034	0.26685331	2.3893934	20	—	—
37416 2001 XR_{196}	14.0	X	351.79976	144.12425	125.07894	13.66507	0.0728626	0.18104805	3.0946164	20	6 14.9	18.1
37417 2001 XB_{197}	15.9	X	37.01005	133.37543	126.78616	2.45355	0.1545559	0.29245498	2.2478295	20	9 6.1	18.2
37418 2001 XD_{199}	16.1	X	273.71045	113.51200	140.24950	2.94290	0.1455732	0.27401363	2.3475847	20	1 19.1	19.5
37419 2001 XT_{199}	14.4	X	316.18038	185.11138	121.92502	13.37550	0.1265861	0.18237210	3.0796199	20	6 5.6	18.4
37420 2001 XT_{215}	14.2	X	303.43663	123.16976	230.18842	10.21714	0.1105349	0.19479046	2.9472994	20	7 15.8	18.1
37421 2001 XC_{217}	14.6	X	164.66179	296.11454	94.73303	6.14875	0.1756540	0.17749529	3.1357745	20	4 4.9	19.8
37422 2001 XF_{241}	15.4	X	4.61874	290.32829	21.67566	5.88895	0.1865525	0.29893212	2.2152411	20	10 5.5	17.1
37423 2001 XV_{251}	14.8	X	177.32061	208.54531	96.07252	3.51799	0.2343961	0.27483578	2.3429006	20	—	—
37424 2001 YA_{3}	13.2	X	220.54399	62.57265	339.12007	12.69109	0.1877898	0.24044884	2.5612635	20	5 29.3	17.6
37425 2001 YM_{3}	14.7	X	211.23521	220.06155	180.05429	3.79500	0.2547682	0.23825694	2.5769481	20	5 19.2	19.2
37426 2001 YU_{69}	14.6	X	70.20496	133.14735	85.48648	11.10032	0.0486632	0.18725395	3.0258593	20	7 29.9	18.9
37427 2001 YJ_{82}	15.3	X	225.00705	13.13360	349.14471	2.92370	0.2034033	0.28919445	2.2646934	20	4 12.5	18.8
37428 2001 YX_{91}	15.1	X	359.08063	245.00876	106.31982	7.19795	0.2141292	0.30530804	2.1842913	20	12 3.3	17.1
37429 2001 YE_{105}	15.3	X	268.24613	77.46644	159.59318	3.74204	0.1231033	0.21772426	2.7365171	20	1 3.2	19.3
37430 2001 YN_{119}	14.8	X	70.65912	171.23505	209.11143	7.83383	0.2259997	0.26775124	2.3840484	20	—	—
37431 2002 AT_{7}	16.0	X	352.21396	46.41358	111.33832	4.15146	0.1515879	0.27155578	2.3617287	20	—	—
37432 Piszkéstető	15.7	X	337.02400	352.61306	155.30143	5.46408	0.1683898	0.26831148	2.3807285	20	—	—
37433 2002 AA_{19}	14.0	X	296.86533	260.47946	107.59949	13.42979	0.2792888	0.24242223	2.5473450	20	7 3.9	16.7
37434 2002 AQ_{25}	14.2	X	77.89719	354.19585	174.08734	5.97852	0.0941313	0.17766861	3.1337349	20	6 9.8	18.7
37435 2111 P–L	14.2	X	25.36206	240.48310	347.10673	10.49647	0.0777841	0.17628912	3.1500616	20	6 8.6	18.5
37436 2201 P–L	14.4	X	190.15262	317.67865	8.82349	4.49152	0.1065136	0.17261785	3.1945688	20	2 9.9	19.5
37437 2576 P–L	15.5	X	268.86978	252.01769	26.94057	5.06785	0.2300305	0.27379782	2.3488182	20	2 9.4	19.3
37438 2599 P–L	15.3	X	263.13044	258.56248	193.22860	7.02000	0.1313316	0.24676604	2.5173627	20	10 4.6	18.3
37439 2610 P–L	14.9	X	298.61434	200.07547	178.04214	3.03468	0.1824421	0.24506550	2.5289948	20	8 8.3	17.6
37440 2612 P–L	15.0	X	186.73250	173.79903	201.45285	2.43156	0.2537847	0.17571804	3.1568830	20	4 2.5	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
37441 2700 *P–L*	15.5	*X*	24.82473	159.72997	176.66570	3.00181	0.0771866	0.24776144	2.5106157	20	11 13.8	18.6
37442 2722 *P–L*	14.6	*X*	319.01373	69.55583	181.00488	14.97301	0.1526414	0.22460009	2.6803783	20	3 16.4	17.8
37443 2788 *P–L*	14.3	*X*	305.81543	174.44084	116.18974	2.37350	0.1635549	0.17728693	3.1382309	20	4 22.6	18.3
37444 2793 *P–L*	15.5	*X*	214.63567	122.60856	182.82790	3.22870	0.2335728	0.27222211	2.3578732	20	1 25.8	19.5
37445 3056 *P–L*	15.1	*X*	135.75662	317.67452	295.59396	7.20604	0.1338699	0.26595222	2.3947874	20	12 10.6	18.8
37446 4067 *P–L*	14.4	*X*	229.32781	350.89523	327.52823	1.63236	0.1805233	0.17522219	3.1628358	20	3 2.7	19.4
37447 4162 *P–L*	15.6	*X*	37.82945	249.67003	247.74169	2.55028	0.0730784	0.23894202	2.5720201	20	2 22.4	18.5
37448 4218 *P–L*	14.8	*X*	353.76890	304.60975	313.12067	4.68367	0.2460951	0.22713194	2.6604222	20	5 25.1	16.8
37449 4235 *P–L*	16.0	*X*	356.41959	334.53710	323.70642	4.31573	0.1374034	0.29456410	2.2370868	20	8 16.3	17.7
37450 4257 *P–L*	16.0	*X*	156.34878	32.96285	336.94944	5.83167	0.1363644	0.27160444	2.3614467	20	2 19.4	19.4
37451 4280 *P–L*	15.6	*X*	60.36621	300.35255	342.33953	2.27728	0.1035589	0.24723558	2.5141744	20	10 23.1	18.9
37452 Spirit	14.1	*X*	181.47483	47.94478	352.30704	8.26645	0.2201582	0.12567305	3.9473711	20	4 25.9	20.7
37453 4311 *P–L*	16.2	*X*	180.40934	4.50358	303.79409	3.30932	0.1395426	0.27042164	2.3683275	20	—	—
37454 4636 *P–L*	13.7	*X*	96.20046	137.97120	12.79462	14.02680	0.0574605	0.17542996	3.1603381	20	6 1.6	18.4
37455 4727 *P–L*	14.4	*X*	166.97612	161.24826	189.97047	8.12639	0.0405182	0.17250688	3.1959386	20	2 9.1	19.2
37456 4790 *P–L*	15.7	*X*	89.13022	31.87892	355.36643	2.11993	0.0747962	0.21963353	2.7206350	20	—	—
37457 4793 *P–L*	15.4	*X*	316.70801	130.95795	88.60649	1.83676	0.1702788	0.27265263	2.3553905	20	1 22.4	18.0
37458 5008 *P–L*	15.8	*X*	49.38659	84.91713	358.91192	7.33458	0.0266271	0.26973920	2.3723204	20	—	—
37459 6037 *P–L*	14.8	*X*	315.12101	3.11436	3.21491	10.20830	0.2230034	0.24565787	2.5249276	20	8 24.3	16.9
37460 6102 *P–L*	16.2	*X*	57.34551	206.62995	201.83764	1.79869	0.2065435	0.26835776	2.3804548	20	—	—
37461 6112 *P–L*	16.6	*X*	44.39799	53.79505	284.25674	1.11312	0.2412305	0.26574161	2.3960526	20	—	—
37462 6293 *P–L*	15.3	*X*	11.02701	42.62033	257.97714	0.81026	0.0981777	0.24576510	2.5241931	20	9 4.5	18.1
37463 6338 *P–L*	15.7	*X*	323.25076	31.91480	186.39443	6.45695	0.0601858	0.27263295	2.3555038	20	2 14.2	18.5
37464 6352 *P–L*	15.0	*X*	73.23523	113.53222	190.94995	1.60405	0.0854405	0.19937534	2.9019399	20	11 24.4	19.2
37465 6618 *P–L*	15.8	*X*	72.44959	301.95657	75.34822	2.32822	0.2018041	0.26806338	2.3821972	20	—	—
37466 6727 *P–L*	16.0	*X*	353.97777	218.66221	170.22635	13.60221	0.2264333	0.26480372	2.4017068	20	—	—
37467 6753 *P–L*	15.3	*X*	21.93659	56.25651	52.92094	3.07804	0.0407215	0.22052291	2.7133151	20	—	—
37468 6782 *P–L*	15.8	*X*	31.16125	124.84232	133.00960	2.84326	0.1330906	0.29459913	2.2369095	20	8 19.4	17.7
37469 6833 *P–L*	15.2	*X*	148.03421	219.27621	352.01114	1.86018	0.0856662	0.19872777	2.9082407	20	10 21.1	19.6
37470 6834 *P–L*	14.1	*X*	47.82125	207.99485	20.38613	2.96184	0.1838355	0.17884177	3.1200155	20	7 30.9	18.0
37471 Popocatepetl	15.0	*X*	287.44691	198.94069	195.29452	22.12843	0.0968124	0.36109723	1.9530796	20	9 13.3	16.7
37472 7613 *P–L*	13.7	*X*	158.48029	293.59470	149.67229	7.20642	0.0908092	0.17522406	3.1628133	20	5 27.0	18.6
37473 9066 *P–L*	15.9	*X*	328.72848	307.04873	358.44339	4.76833	0.1841474	0.29405371	2.2396747	20	6 19.8	17.6
37474 9618 *P–L*	15.5	*X*	121.31584	328.40054	69.26510	2.21178	0.1474691	0.22174082	2.7033708	20	2 23.6	19.3
37475 1038 *T–1*	15.1	*X*	333.93302	17.30682	274.19468	3.12147	0.2532971	0.24319184	2.5419678	20	5 27.7	17.1
37476 1107 *T–1*	15.3	*X*	136.48911	341.07987	215.36272	2.38522	0.0906719	0.18889698	3.0082878	20	9 19.8	19.8
37477 1110 *T–1*	14.8	*X*	97.47647	120.45123	326.62782	5.10437	0.1265914	0.22148853	2.7054233	20	3 22.8	18.4
37478 1120 *T–1*	15.2	*X*	264.54163	345.15939	189.57764	4.53519	0.0540181	0.21480086	2.7612901	20	—	—
37479 1130 *T–1*	16.7	*X*	186.80110	285.90461	196.35471	7.75234	0.2782341	0.34892811	1.9982297	20	8 12.2	20.0
37480 1149 *T–1*	15.3	*X*	307.49371	18.18928	187.50977	5.02771	0.0972221	0.21854031	2.7297006	20	1 11.7	19.2
37481 1209 *T–1*	14.9	*X*	164.47751	310.48182	322.00361	4.17504	0.1300404	0.21348371	2.7726362	20	—	—
37482 2114 *T–1*	14.4	*X*	37.58362	347.37473	178.11926	14.12002	0.1158228	0.22189084	2.7021522	20	4 9.4	17.5
37483 2125 *T–1*	14.7	*X*	158.76074	228.93559	21.85105	6.39277	0.1186076	0.25240275	2.4797429	20	12 28.3	18.5
37484 2174 *T–1*	15.7	*X*	128.50688	276.85738	175.20398	2.88386	0.1923250	0.28392998	2.2926014	20	5 12.6	18.9
37485 2211 *T–1*	14.2	*X*	291.06420	349.96852	20.97738	6.61599	0.1212520	0.18682441	3.0304954	20	7 23.4	18.2
37486 2282 *T–1*	15.1	*X*	79.34204	153.58776	9.76846	8.54432	0.1635848	0.18303613	3.0721671	20	6 14.4	19.5
37487 3150 *T–1*	15.1	*X*	171.97420	189.45686	194.84457	5.01038	0.1600466	0.28153241	2.3055990	20	3 24.4	18.5
37488 3203 *T–1*	15.7	*X*	133.20605	134.76342	352.44818	5.05996	0.0829808	0.28492629	2.2872539	20	6 24.5	18.8
37489 4396 *T–1*	14.9	*X*	232.25252	248.84267	54.85795	6.14159	0.0287267	0.21968500	2.7202101	20	2 25.1	18.7
37490 1082 *T–2*	15.0	*X*	174.35130	162.45059	173.71586	2.63695	0.1587478	0.22030355	2.7151160	20	2 1.6	19.2
37491 1112 *T–2*	15.1	*X*	279.47470	227.59119	110.30465	0.34032	0.1742772	0.18494237	3.0510203	20	5 15.2	19.3
37492 1115 *T–2*	15.7	*X*	36.45012	77.25755	193.08774	5.58196	0.1401389	0.29326637	2.2436815	20	9 16.3	18.1
37493 1171 *T–2*	13.8	*X*	97.64204	288.62402	359.73243	9.66495	0.0871396	0.19204411	2.9753317	20	11 27.7	18.4
37494 1174 *T–2*	14.4	*X*	31.29062	281.11491	6.72951	8.75618	0.0595514	0.18799041	3.0179515	20	9 7.5	18.5
37495 1226 *T–2*	14.6	*X*	98.60218	53.45955	7.77703	5.05043	0.0434586	0.17815512	3.1280271	20	2 17.1	19.0
37496 1287 *T–2*	14.8	*X*	146.94934	240.33349	180.46213	11.97188	0.0717223	0.18083141	3.0970874	20	4 15.9	19.4
37497 1330 *T–2*	15.5	*X*	206.66366	135.51603	314.82077	1.10170	0.0911307	0.29080431	2.2563276	20	7 31.1	18.2
37498 1507 *T–2*	15.0	*X*	261.89459	142.95816	178.16892	6.81617	0.1196641	0.28792954	2.2713213	20	4 5.7	17.9
37499 2033 *T–2*	13.9	*X*	288.41611	327.10074	184.05625	13.55780	0.1005245	0.17314208	3.1881173	20	—	—
37500 2118 *T–2*	15.1	*X*	288.30577	34.86941	178.46278	3.49540	0.0398929	0.21921824	2.7240700	20	1 6.1	18.8
37501 2130 *T–2*	14.4	*X*	234.98513	314.22234	13.88571	9.25113	0.1317878	0.22339567	2.6900037	20	3 20.4	18.6
37502 2257 *T–2*	14.5	*X*	270.60541	107.78138	22.26313	3.43098	0.1325416	0.25475931	2.4644273	20	12 10.4	17.1
37503 2288 *T–2*	14.5	*X*	169.71437	357.08730	67.22195	2.26762	0.1826649	0.18157827	3.0885891	20	5 15.9	19.6
37504 3052 *T–2*	14.6	*X*	148.23861	314.35924	124.34527	3.85487	0.2563373	0.18087692	3.0965679	20	5 19.3	20.0
37505 3062 *T–2*	14.2	*X*	99.43560	151.45566	85.26566	2.93583	0.1528975	0.18985269	2.9981835	20	10 8.2	18.8
37506 3107 *T–2*	13.5	*X*	24.99860	290.41319	26.31796	9.56525	0.0670808	0.18943179	3.0026230	20	10 6.5	17.5
37507 3141 *T–2*	16.0	*X*	200.35017	274.32043	19.99237	2.58762	0.1807078	0.26231411	2.4168792	20	1 2.4	19.8
37508 3190 *T–2*	14.5	*X*	135.59855	91.82327	155.80803	9.45335	0.1144059	0.21333897	2.7738901	20	11 26.6	19.0
37509 3192 *T–2*	14.6	*X*	253.61936	315.86268	33.38637	7.67056	0.2534151	0.18434365	3.0576229	20	4 22.8	19.4
37510 3235 *T–2*	14.8	*X*	284.71520	244.92102	46.24957	6.11855	0.0764398	0.18213057	3.0823419	20	4 8.6	19.1
37511 3303 *T–2*	15.7	*X*	159.95659	257.98552	44.36878	2.98707	0.1858862	0.26027532	2.4294841	20	—	—
37512 4197 *T–2*	15.7	*X*	201.16628	344.62519	58.36229	3.08230	0.1429931	0.28803937	2.2707438	20	5 16.7	19.0
37513 5068 *T–2*	14.4	*X*	29.28556	293.04530	325.39000	11.42928	0.2368855	0.22917141	2.6446148	20	8 24.1	17.1
37514 1118 *T–3*	14.5	*X*	152.55617	136.59942	301.95625	8.32401	0.0643726	0.17474330	3.1686118	20	5 9.3	19.4
37515 2008 *T–3*	15.8	*X*	138.23966	24.08409	261.28446	3.88689	0.1750840	0.25842863	2.4410442	20	—	—
37516 2027 *T–3*	15.5	*X*	131.71145	251.49502	342.10685	4.95086	0.1115387	0.30016140	2.2091887	20	11 16.7	18.8
37517 2134 *T–3*	14.4	*X*	42.57141	111.33019	339.53768	7.12842	0.1948852	0.21416580	2.7667460	20	1 11.9	17.2
37518 2410 *T–3*	14.3	*X*	254.18567	321.54794	228.66378	5.46200	0.0771115	0.25814052	2.4428601	20	—	—
37519 Amphios	11.0	*X*	276.38815	290.23034	30.36444	25.45161	0.0063272	0.08290021	5.2091354	20	5 10.0	18.1
37520 3193 *T–3*	14.4	*X*	12.61231	149.75403	42.24038	7.42675	0.1860131	0.21963827	2.7205959	20	4 3.3	16.9

Planet		H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
		m		°	°	°	°		°				
37521	3280 *T–3*	15.5	X	337.20092	257.79059	188.82966	3.77921	0.1561437	0.25638972	2.4539685	20	—	—
37522	3367 *T–3*	14.9	X	175.72619	277.75043	5.85698	1.79535	0.0355466	0.21339035	2.7734448	20	—	—
37523	4076 *T–3*	13.6	X	47.57073	105.94280	135.17211	3.51996	0.2232814	0.18113200	3.0936601	20	8 22.1	17.5
37524	4375 *T–3*	14.8	X	117.53263	237.80963	92.94310	7.14975	0.0168341	0.21244562	2.7816610	20	—	—
37525	5127 *T–3*	15.0	X	338.00943	227.05902	134.44240	7.38991	0.1853484	0.25209106	2.4817865	20	10 16.1	17.1
37526	5721 *T–3*	14.6	X	253.46263	94.93280	114.89027	7.61206	0.0861969	0.21344672	2.7729566	20	—	—
37527	1971 UJ_1	15.0	X	227.03127	4.30899	46.32924	12.67962	0.2947539	0.23600029	2.5933494	20	6 9.0	19.7
37528	1975 *SX*	14.4	X	166.76125	154.65719	201.03551	1.52688	0.1546961	0.16441680	3.2999340	20	2 22.7	19.6
37529	1977 EL_8	15.3	X	170.49070	310.51298	176.79649	12.56033	0.1883676	0.23657890	2.5891192	20	8 1.2	19.7
37530	Dancingangel	15.1	X	150.64547	331.06310	8.09086	11.54818	0.2793936	0.26238732	2.4164296	20	1 23.9	19.2
37531	1978 VF_7	15.5	X	277.88266	66.68523	85.87616	3.52317	0.1331215	0.26037785	2.4288463	20	—	—
37532	1978 VL_8	14.0	X	232.27044	312.64217	68.13704	18.23243	0.2259119	0.17975390	3.1094518	20	5 16.4	19.2
37533	1979 MX_8	14.5	X	163.66754	79.23259	217.86324	1.18698	0.0559011	0.20364787	2.8612083	20	—	—
37534	1980 FL_4	14.7	X	20.38334	58.18087	182.19055	7.85941	0.0646125	0.22580973	2.6707974	20	6 19.7	18.1
37535	1981 *DP*	15.4	X	30.60421	350.89769	233.51222	7.79675	0.1156721	0.28111339	2.3078896	20	6 20.6	17.6
37536	1981 EM_2	16.3	X	48.89428	290.86987	234.86289	7.50663	0.1330930	0.27936266	2.3175217	20	4 24.6	18.4
37537	1981 EP_2	13.2	X	2.90098	121.88795	214.65095	15.25959	0.1159042	0.18703009	3.0282733	20	9 29.7	17.0
37538	1981 EK_3	15.7	X	44.85353	341.90146	240.88132	5.88774	0.1152146	0.23168267	2.6254698	20	7 9.8	18.9
37539	1981 EY_4	14.7	X	294.06584	31.21976	311.64271	9.20112	0.1127080	0.23274718	2.6174583	20	6 21.5	17.9
37540	1981 ES_7	15.6	X	22.31677	15.50664	223.51787	4.57385	0.1629943	0.28141095	2.3062624	20	7 4.1	17.5
37541	1981 EW_7	15.1	X	36.76117	40.03763	193.25377	11.60239	0.1307940	0.23175404	2.6249307	20	7 12.7	18.4
37542	1981 EJ_8	15.0	X	195.38152	237.42846	247.70844	2.90071	0.1614140	0.18676525	3.0311354	20	8 19.4	19.8
37543	1981 ER_8	15.5	X	154.94888	156.04250	319.07029	4.52345	0.1168401	0.23337747	2.6127434	20	7 3.4	19.4
37544	1981 EY_{16}	15.4	X	237.14306	131.74195	237.89766	3.24436	0.1534995	0.28136334	2.3065226	20	5 8.7	18.8
37545	1981 EA_{18}	14.5	X	170.57117	327.56574	170.38282	11.47910	0.0538443	0.18542022	3.0457762	20	8 13.0	19.1
37546	1981 ET_{20}	15.1	X	64.99147	191.12867	356.49771	8.98732	0.1421780	0.23119428	2.6291659	20	6 26.9	18.6
37547	1981 EH_{22}	15.2	X	34.83474	48.02912	207.23594	1.99846	0.0875306	0.23327908	2.6134780	20	8 5.6	18.4
37548	1981 EO_{30}	14.7	X	44.16958	76.43146	174.34644	12.28084	0.1684447	0.23308845	2.6149028	20	8 25.8	18.0
37549	1981 ET_{30}	15.8	X	46.98416	10.88851	174.07488	6.28228	0.0507920	0.28025660	2.3125909	20	5 12.7	18.4
37550	1981 EE_{31}	15.3	X	306.64827	106.55414	177.95784	21.39837	0.2706990	0.27806420	2.3247308	20	3 20.7	18.2
37551	1981 EY_{34}	15.3	X	207.05430	211.50127	213.96556	14.83234	0.1162554	0.23355168	2.6114440	20	6 21.6	19.5
37552	1981 EU_{39}	14.7	X	207.18582	54.55838	2.36340	9.74821	0.0556987	0.23278612	2.6171664	20	6 14.8	18.6
37553	1981 EN_{43}	14.4	X	282.64341	11.15358	4.62543	10.56629	0.0971983	0.18446233	3.0563113	20	7 22.5	18.7
37554	1981 ET_{44}	15.9	X	297.69217	15.34603	287.76858	5.53127	0.1488066	0.28003183	2.3138283	20	4 20.4	18.8
37555	1981 EG_{47}	15.7	X	70.60571	352.20732	246.34497	2.61818	0.1228819	0.23448171	2.6045342	20	9 7.7	19.4
37556	Svyaztie	14.3	X	315.41119	97.88171	230.42096	5.41138	0.2341097	0.28320053	2.2965364	20	6 18.6	16.2
37557	1984 *JR*	15.8	X	249.97265	173.55328	102.79672	3.12253	0.1724086	0.26770867	2.3843011	20	1 23.2	19.3
37558	1984 SG_6	13.7	X	309.50966	240.13572	169.27509	12.83189	0.1797131	0.19194444	2.9763616	20	10 7.4	17.0
37559	1985 *UR*	14.4	X	13.38751	211.05811	192.69057	12.80910	0.1996544	0.25827648	2.4420027	20	—	—
37560	1986 QK_3	15.1	X	163.82223	223.81950	125.22434	5.67039	0.1647068	0.27673768	2.3321538	20	2 2.3	18.4
37561	Churgym	15.7	X	72.53369	231.58698	165.21212	22.95028	0.0978186	0.36367648	1.9438343	20	—	—
37562	1988 *MA*	14.0	X	315.42453	338.00899	231.72718	23.51913	0.1685696	0.27053718	2.3676532	20	1 2.7	17.5
37563	1988 SG_2	14.6	X	155.48806	196.96459	122.11233	8.60330	0.1313863	0.25994026	2.4315713	20	—	—
37564	1988 TR_3	13.8	X	175.42869	46.07934	8.36492	13.59117	0.1899346	0.17277434	3.1926395	20	5 4.9	19.3
37565	1988 VL_3	14.2	X	174.66616	161.17385	218.96455	14.52551	0.1960673	0.23301942	2.6154192	20	3 23.3	18.7
37566	1989 GY_1	13.9	X	58.92959	21.66382	1.35237	9.19953	0.1678977	0.21044060	2.7993016	20	—	—
37567	1989 SC_3	14.0	X	97.21038	104.81230	39.92999	12.46927	0.0866884	0.27652319	2.3333596	20	5 31.5	17.0
37568	1989 *TP*	15.6	X	301.84985	107.72053	220.83755	22.75717	0.1005247	0.40951327	1.7959355	20	6 16.8	17.2
37569	1989 *UG*	14.0	X	306.71774	331.94173	2.24528	6.72764	0.2570003	0.28125746	2.3071014	20	6 3.7	16.2
37570	1989 UD_1	14.9	X	158.34012	35.82616	1.87751	6.33213	0.1209600	0.27362411	2.3498121	20	3 26.2	18.2
37571	1989 UE_1	15.5	X	160.75221	95.29289	274.43179	1.50907	0.2351925	0.27162763	2.3613122	20	2 29.8	19.4
37572	1989 UC_5	13.2	X	199.88228	160.03127	211.88227	9.37644	0.1439466	0.08232959	5.2331770	20	4 13.4	20.7
37573	Enricocaruso	15.2	X	108.82193	1.56072	55.55735	3.16048	0.2018504	0.26867355	2.3785892	20	3 7.9	18.2
37574	1990 QE_6	14.4	X	321.77782	319.81555	352.51848	18.95917	0.2253090	0.22679398	2.6630646	20	6 1.9	17.6
37575	1990 QD_7	15.4	X	217.00369	172.76112	154.25393	5.22560	0.1608864	0.21777126	2.7361233	20	2 29.1	19.9
37576	1990 QW_9	14.2	X	84.67248	105.17042	170.52270	11.28514	0.2897143	0.23629155	2.5912178	20	11 27.9	18.8
37577	1990 *RG*	15.8	X	314.12788	25.67628	357.68853	6.65984	0.1989626	0.29645371	2.2275705	20	10 1.7	16.9
37578	1990 RY_2	13.1	X	304.11018	69.37761	277.85324	2.35223	0.2666259	0.12597052	3.9411542	20	6 14.8	18.1
37579	1990 SO_7	14.9	X	116.52574	191.47625	154.23587	7.63618	0.1312514	0.20891000	2.8129579	20	—	—
37580	1990 SH_8	14.6	X	250.03433	323.22464	137.24200	6.05877	0.0777703	0.29718897	2.2238949	20	10 19.2	17.1
37581	1990 SU_{15}	14.2	X	259.06349	143.46138	178.64797	12.56313	0.2225635	0.22210447	2.7004192	20	3 27.8	18.4
37582	Faraday	15.6	X	272.26908	334.64784	16.58588	5.81001	0.1534403	0.28884728	2.2665077	20	5 24.2	18.4
37583	Ramonkhanna	15.5	X	200.29071	280.48481	175.15391	1.21278	0.1326443	0.28896350	2.2658999	20	7 27.0	18.8
37584	Schleiden	14.7	X	23.43540	125.50794	230.98873	4.28238	0.1387965	0.29989840	2.2104801	20	12 31.2	17.3
37585	1990 VQ_8	15.4	X	97.61716	287.46826	143.69801	7.14544	0.0916297	0.27680249	2.3317898	20	2 21.1	17.9
37586	1991 BP_2	13.5	X	72.87836	214.70261	303.81084	22.23324	0.2017641	0.27739143	2.3284881	20	6 8.2	16.7
37587	1991 CK_3	14.1	X	149.02511	37.85890	106.39048	17.29159	0.2961302	0.18086511	3.0967028	20	8 7.3	19.8
37588	Lynnecox	14.1	X	195.25497	115.29924	185.99298	22.53114	0.2550341	0.26006450	2.4307969	20	1 6.7	18.8
37589	1991 NN_9	14.2	X	4.49487	151.21089	208.47910	6.74659	0.1739744	0.24388676	2.5371369	20	11 28.2	16.9
37590	1991 RA_{14}	13.0	X	229.52677	37.16200	338.59001	7.85605	0.2673487	0.12589177	3.9427977	20	5 1.7	19.5
37591	1991 TD_4	14.1	X	310.33463	160.50652	174.53140	17.94897	0.2701914	0.23364781	2.6107277	20	6 11.8	17.3
37592	Pauljackson	15.3	X	279.34071	91.25835	261.06323	5.17440	0.0611670	0.23169969	2.6253412	20	6 20.7	18.5
37593	1991 *UJ*	14.9	X	288.69331	330.64270	7.46557	4.92773	0.2626074	0.23176937	2.6248149	20	5 11.5	18.3
37594	1991 UJ_1	14.9	X	100.09689	260.50142	182.37992	4.79266	0.0869678	0.21928080	2.7235519	20	3 16.6	18.5
37595	1991 UZ_1	13.2	X	188.63077	24.66490	28.44397	11.10061	0.1169500	0.19175685	2.9783024	20	5 16.7	18.0
37596	Cotahuasi	14.7	X	170.61209	300.92218	219.55258	21.52786	0.3179351	0.26490408	2.4011002	20	9 7.2	19.6
37597	1992 EH_{10}	14.4	X	24.09791	4.20381	176.95966	0.61928	0.0925214	0.17825295	3.1268826	20	4 8.8	18.3
37598	1992 EL_{17}	14.9	X	198.72930	246.01210	111.21420	5.11310	0.1496475	0.28356981	2.2945422	20	3 17.8	18.4
37599	1992 EH_{18}	13.8	X	346.91870	253.87520	191.65510	8.45964	0.1124782	0.20212378	2.8755733	20	—	—
37600	1992 EO_{20}	14.6	X	14.07411	350.61777	101.25524	4.74106	0.0404253	0.20475788	2.8508583	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
37601 Vicjen	14.4	X	116.12429	123.33001	32.24123	24.62907	0.2374555	0.28927208	2.2642882	20	8 7.9	18.6
37602 1992 HD_1	14.8	X	115.91647	175.31143	71.75053	2.22249	0.2637595	0.18923804	3.0046721	20	11 9.1	19.9
37603 1992 HG_1	16.1	X	61.84438	9.98219	214.54628	4.16184	0.1278958	0.28720440	2.2751428	20	8 13.8	18.8
37604 1992 OQ_1	15.2	X	315.28652	348.26541	300.81576	4.20047	0.1901579	0.27745218	2.3281482	20	4 21.5	17.5
37605 1992 PN_2	14.6	X	157.04041	107.06278	239.20847	5.46515	0.1449924	0.26509015	2.3999765	20	1 21.0	18.2
37606 1992 RX_4	15.2	X	20.72549	228.03780	151.78544	4.04783	0.2476786	0.25285498	2.4767854	20	—	—
37607 Regineolsen	15.3	X	289.15932	238.53576	28.04969	5.86493	0.1975372	0.27140500	2.3626034	20	2 18.3	18.6
37608 Löns	15.4	X	248.16400	57.33883	0.92159	8.31613	0.1401636	0.24231794	2.5480758	20	7 30.9	19.0
37609 LaVelle	15.0	X	262.83410	19.81076	27.82861	8.26142	0.1545808	0.24012187	2.5635881	20	8 2.5	18.5
37610 1993 FP_7	14.9	X	297.05715	117.69603	157.34843	9.29457	0.1372490	0.21891076	2.7266202	20	3 23.1	18.5
37611 1993 FR_{29}	14.6	X	69.78831	244.21727	210.06803	8.01239	0.1259808	0.21694362	2.7430778	20	2 21.6	18.0
37612 1993 FJ_{37}	14.7	X	250.75808	286.90702	18.05310	8.46938	0.0993676	0.21698561	2.7427239	20	3 12.3	18.7
37613 1993 FE_{40}	14.7	X	76.24376	76.23031	41.09267	2.37543	0.1479248	0.21990940	2.7183592	20	4 8.5	18.1
37614 1993 FT_{47}	15.1	X	240.18882	232.27308	12.24122	3.89308	0.0459367	0.21091414	2.7951101	20	—	—
37615 1993 FX_{50}	14.6	X	263.78769	71.10118	197.21070	4.99214	0.1264637	0.21469249	2.7622193	20	2 4.0	18.8
37616 1993 FK_{82}	14.9	X	172.60176	124.57076	190.87107	8.96170	0.1422520	0.21008747	2.8024376	20	1 6.4	19.5
37617 1993 NN_1	15.8	X	264.76380	47.35376	288.73171	4.33748	0.2606096	0.28635573	2.2796358	20	4 9.5	19.4
37618 1993 OD_3	13.8	X	283.66379	269.30781	121.29617	10.26462	0.0792309	0.18382453	3.0633767	20	8 12.7	17.9
37619 1993 OJ_6	14.3	X	356.84061	201.44168	113.44893	9.65754	0.0584101	0.18448837	3.0560237	20	8 23.6	18.3
37620 1993 QA_3	14.1	X	332.87238	140.58404	172.75291	4.95093	0.2404758	0.17963943	3.1107726	20	6 28.6	17.3
37621 1993 QT_4	15.9	X	249.06442	27.45059	350.64308	7.45809	0.1668026	0.28591177	2.2819950	20	5 30.8	19.3
37622 1993 QO_8	15.8	X	90.12331	30.13688	38.17224	3.03464	0.2104116	0.27361161	2.3498837	20	2 27.1	18.3
37623 Valmiera	13.1	X	336.56227	80.57869	183.92062	22.30793	0.0734702	0.17317364	3.1877300	20	5 17.5	17.6
37624 1993 RT_8	15.9	X	95.00949	179.67026	207.04028	1.90845	0.2019615	0.27041092	2.3683901	20	1 4.4	18.2
37625 1993 SR_1	15.0	X	247.77456	330.24933	37.76804	3.85539	0.2167852	0.28420511	2.2911216	20	5 11.3	18.2
37626 1993 SG_2	15.0	X	268.47842	17.93303	346.61848	4.50442	0.1525187	0.28644361	2.2791695	20	6 8.4	17.9
37627 Lucaparmitano	14.5	X	279.67228	32.71495	4.06417	10.95263	0.1825745	0.25183115	2.4834938	20	8 9.5	17.5
37628 1993 TK_{17}	13.7	X	232.68866	313.90026	24.54084	22.28684	0.0692015	0.16852095	3.2461365	20	4 8.5	18.6
37629 1993 TX_{19}	16.1	X	116.36337	235.78011	180.95113	2.48169	0.1493193	0.27399747	2.3476770	20	3 6.5	19.1
37630 Thomasmore	15.9	X	31.46466	233.22690	70.76021	2.28308	0.1803108	0.29353487	2.2423131	20	11 5.3	18.5
37631 1993 TT_{27}	15.7	X	30.46477	132.63066	179.61026	5.79355	0.1807227	0.29396895	2.2401052	20	11 16.5	18.4
37632 1993 TT_{37}	15.3	X	246.10965	265.45122	56.02457	7.67081	0.1332049	0.27923763	2.3182135	20	3 21.5	18.8
37633 1993 TG_{39}	15.5	X	160.46668	297.97666	123.09085	3.89450	0.1443977	0.27831093	2.3233566	20	5 1.4	18.9
37634 1993 UZ	15.5	X	292.23048	233.67158	213.80646	20.53276	0.0905600	0.36878110	1.9258551	20	12 29.1	17.5
37635 1993 UJ_1	14.9	X	148.22535	244.93287	207.45894	20.77691	0.0848943	0.39038058	1.8541459	20	5 24.7	17.1
37636 1993 UQ_4	14.7	X	355.82836	182.74998	132.01773	3.87136	0.1901438	0.29007268	2.2601200	20	9 19.8	16.2
37637 1993 UZ_5	15.5	X	99.11123	49.30518	124.00474	5.57263	0.0327662	0.28364899	2.2941152	20	7 8.8	18.3
37638 1993 VB	19.3	X	359.70554	323.11741	145.60566	5.08172	0.5201704	0.37359096	1.9092896	20	—	—
37639 1993 VR_1	14.5	X	164.03732	39.19244	31.21662	4.40325	0.1199348	0.27857720	2.3218759	20	5 14.1	17.8
37640 Luiginegrelli	15.0	X	75.12721	174.33211	255.76573	5.51702	0.0947660	0.26919329	2.3755266	20	1 16.3	17.5
37641 1994 AO_3	14.9	X	30.03325	349.32096	90.38779	3.65499	0.1588964	0.26177461	2.4201988	20	—	—
37642 1994 AA_6	16.3	X	39.19091	42.42646	350.10223	0.89485	0.1750937	0.25893874	2.4378372	20	—	—
37643 1994 AX_6	15.3	X	270.24924	139.22369	145.29436	0.60823	0.2131243	0.26966290	2.3727678	20	2 17.5	18.9
37644 1994 BN_3	15.0	X	21.67538	270.69073	164.72818	2.70133	0.1731919	0.26083069	2.4260342	20	—	—
37645 Chebarkul	14.4	X	66.29570	325.40480	22.49925	6.71724	0.1457449	0.25163749	2.4847678	20	—	—
37646 Falconscott	14.5	X	37.27335	0.78838	5.36784	10.21075	0.2285297	0.25147356	2.4858476	20	—	—
37647 1994 ES_3	14.2	X	338.41630	64.47847	160.36960	13.05226	0.1116433	0.22657782	2.6647580	20	3 19.8	17.3
37648 1994 EV_6	15.1	X	302.79230	68.45973	63.49674	5.33322	0.0919722	0.25412426	2.4685312	20	—	—
37649 1994 FC	14.7	X	279.35908	36.48390	31.14724	13.75205	0.2583020	0.24601228	2.5225020	20	9 11.8	17.7
37650 1994 FP	15.0	X	68.95581	90.50192	6.07536	22.55697	0.2896425	0.26512964	2.3997382	20	3 20.3	17.2
37651 1994 GX	16.1	X	145.30533	98.22468	175.55803	22.12126	0.0731684	0.36367090	1.9438542	20	—	—
37652 1994 JS_1	14.2	X	95.35163	22.25503	168.51348	19.42110	0.3481304	0.23409373	2.6074112	20	8 27.9	18.8
37653 1994 JJ_4	15.8	X	244.67615	121.11644	220.53364	6.02303	0.0818032	0.22607433	2.6687131	20	4 19.1	19.7
37654 1994 JQ_6	15.5	X	267.74316	138.40279	184.77300	2.14392	0.1303065	0.22583470	2.6706005	20	4 17.2	19.3
37655 Illapa	17.9	X	97.21471	303.85766	139.57220	18.02251	0.7526713	0.54868730	1.4776994	20	5 28.0	20.8
37656 1994 PP_6	14.7	X	299.41012	18.35695	329.70933	8.99266	0.1072715	0.18579146	3.0417176	20	7 6.5	18.7
37657 1994 PX_{14}	14.4	X	297.06718	249.37977	161.91786	10.87719	0.1029453	0.19107728	2.9853598	20	9 26.9	18.2
37658 1994 PK_{18}	14.8	X	149.46409	340.46099	333.39760	4.61683	0.1586798	0.20504189	2.8482252	20	—	—
37659 1994 PM_{20}	14.8	X	357.13702	210.05122	173.48200	1.75319	0.1100281	0.19461400	2.9490807	20	11 25.3	18.4
37660 1994 PG_{22}	14.1	X	276.40483	274.19115	340.97139	12.40983	0.1053361	0.21278619	2.7786921	20	2 8.4	18.2
37661 1994 PJ_{26}	15.3	X	269.04571	253.45766	118.39668	2.53817	0.2148138	0.18402773	3.0611212	20	6 9.5	19.9
37662 1994 PT_{26}	14.6	X	358.27120	328.63209	63.04910	2.83520	0.0699236	0.19670372	2.9281568	20	12 3.5	18.4
37663 1994 PT_{32}	14.8	X	317.28090	222.32894	180.57896	11.19213	0.1020218	0.19229535	2.9727395	20	10 18.0	18.4
37664 1994 PF_{39}	14.6	X	249.55545	235.00428	153.52455	17.45428	0.1637846	0.18362219	3.0656267	20	6 16.9	19.6
37665 1994 RH_{17}	14.9	X	58.73673	48.05044	314.97222	1.05979	0.0631311	0.19985349	2.8973095	20	—	—
37666 1994 SV_7	14.1	X	278.82835	340.87515	23.76200	5.36311	0.0642697	0.18245117	3.0787300	20	7 4.9	18.4
37667 1994 SZ_7	15.3	X	250.01737	197.66751	223.91692	0.22417	0.0811753	0.18474494	3.0531936	20	8 7.5	19.7
37668 1994 SX_9	14.2	X	243.88931	221.02204	182.19243	9.97453	0.0731683	0.18203105	3.0834653	20	7 7.3	18.9
37669 1994 TH_1	13.1	X	49.50287	322.84317	41.98625	13.27607	0.1109991	0.19602527	2.9349093	20	—	—
37670 1994 TW_{12}	16.0	X	289.83346	66.35916	339.86986	0.61347	0.1147361	0.26353713	2.4093959	20	9 18.1	18.2
37671 1994 UY_{11}	14.7	X	312.00419	74.67359	16.69332	21.83221	0.3037281	0.26779409	2.3837940	20	—	—
37672 1994 VC	15.4	X	36.61440	51.99849	344.78123	1.37472	0.1422900	0.31181219	2.1538097	20	—	—
37673 1994 WR_5	15.8	X	314.03839	327.60913	65.66843	2.36906	0.1394950	0.30273657	2.1966429	20	10 25.1	17.3
37674 1994 XH_3	15.1	X	105.26513	121.38042	28.83043	5.37134	0.0739942	0.17661736	3.1461575	20	6 17.0	19.7
37675 1995 AJ_1	14.7	X	77.69917	178.11167	327.81882	8.35498	0.2188002	0.28203105	2.3028806	20	5 27.7	17.6
37676 1995 BV_{11}	15.9	X	101.45453	269.56936	65.52881	1.36011	0.2011866	0.30412973	2.1899295	20	—	—
37677 1995 CA_1	15.1	X	76.72503	238.24382	2.12406	5.33232	0.1314604	0.28931621	2.2640579	20	9 27.7	18.1
37678 McClure	15.5	X	312.35504	268.17460	204.73509	21.59273	0.2961885	0.26600130	2.3944928	20	—	—
37679 1995 DH_5	16.2	X	312.78755	44.78631	238.24913	1.36211	0.1158157	0.28209127	2.3025529	20	4 22.7	18.4
37680 1995 FD_2	15.8	X	352.94527	127.17800	155.28853	6.54259	0.1434084	0.28336874	2.2956275	20	7 9.8	17.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
37681 1995 FB_7	16.3	X	256.58637	262.35322	46.26081	3.16386	0.1785238	0.27568424	2.3380911	20	3 9.6	19.8
37682 1995 GZ_6	15.1	X	349.29170	147.75742	126.57033	6.25216	0.1706036	0.28147561	2.3059092	20	6 17.3	16.8
37683 Gustaveeiffel	15.6	X	10.80415	319.92346	257.08689	3.80463	0.1977096	0.27554889	2.3388567	20	4 29.8	17.2
37684 1995 NE	15.9	X	0.04305	58.76630	182.17647	5.41517	0.2417326	0.27611582	2.3356541	20	5 15.3	17.0
37685 1995 OU_2	11.9	X	356.07426	171.72331	179.24670	10.11355	0.1266878	0.08238679	5.2307545	20	9 20.7	18.1
37686 1995 OR_3	15.3	X	358.17960	314.96309	146.37349	14.97790	0.1321670	0.21184536	2.7869130	20	—	—
37687 Chunghikoh	14.2	X	140.01625	197.95364	317.12020	13.98790	0.0372240	0.23324112	2.6137616	20	8 4.9	17.8
37688 1995 ST_{17}	15.6	X	28.49808	235.92790	15.73593	15.27135	0.1028924	0.23108840	2.6299689	20	7 30.4	19.1
37689 1995 SH_{70}	14.7	X	116.41856	325.57474	176.57547	14.04277	0.0841031	0.22812669	2.6526828	20	6 22.8	18.8
37690 1995 UV_{16}	15.0	X	53.80553	212.40964	76.23520	5.97138	0.2151397	0.23628070	2.5912971	20	11 7.5	18.6
37691 1995 UN_{74}	14.8	X	198.21041	142.35198	176.88403	7.25745	0.1975894	0.21664011	2.7456392	20	2 2.6	19.5
37692 Loribragg	15.2	X	12.41941	190.43781	199.02427	1.41789	0.0446822	0.19792563	2.9160930	20	12 17.6	18.9
37693 1995 VQ_1	13.6	X	155.37407	339.52476	71.93975	14.21982	0.1102359	0.21770283	2.7366967	20	4 18.7	17.9
37694 1995 WC_6	14.9	X	161.83719	178.13924	221.57323	2.17015	0.1408149	0.22074303	2.7115111	20	4 5.6	19.1
37695 1995 WT_{10}	15.9	X	41.02673	110.91787	295.21842	0.92418	0.0739319	0.20566537	2.8424659	20	—	—
37696 1995 WE_{27}	13.7	X	293.32062	359.08463	299.37098	14.27754	0.1934970	0.17314279	3.1881086	20	4 2.6	18.5
37697 1995 YW_4	15.0	X	14.51379	193.14139	196.92447	1.95422	0.0398834	0.19996167	2.8962644	20	12 20.9	18.8
37698 1995 YL_8	14.6	X	56.95936	126.77636	223.62288	1.25229	0.0660272	0.20061602	2.8899632	20	12 28.7	18.5
37699 Santini–Aichl	14.3	X	168.94070	112.73567	301.10346	12.44900	0.1699616	0.17365856	3.1817930	20	4 27.8	19.8
37700 1996 AL_3	14.3	X	108.02271	152.35379	109.41265	2.49791	0.0372765	0.19024955	2.9940127	20	11 5.7	18.7
37701 1996 AR_8	14.3	X	248.87308	59.75058	283.56484	7.91716	0.0975109	0.17531818	3.1616813	20	4 23.9	19.1
37702 1996 BB_9	14.6	X	156.80337	276.70932	133.84782	11.58241	0.2370966	0.17384805	3.1794806	20	4 25.6	20.2
37703 1996 CD_1	15.8	X	69.17599	280.58473	36.70723	21.24288	0.0940774	0.35470983	1.9764564	20	—	—
37704 1996 EK_9	14.1	X	30.08182	189.85073	65.24351	1.16289	0.0567315	0.17630864	3.1498291	20	7 21.3	18.1
37705 1996 GD_{20}	15.6	X	136.82607	72.08685	189.53123	4.68633	0.0998176	0.30623913	2.1798617	20	12 31.3	18.6
37706 Trinchieri	15.0	X	285.22017	341.45588	343.42738	5.35801	0.1739757	0.27919652	2.3184410	20	4 30.1	18.1
37707 1996 RK_3	15.6	X	319.87109	184.22522	100.75860	5.12560	0.2085790	0.28329838	2.2960076	20	4 24.9	17.7
37708 1996 RX_3	15.5	X	179.43015	164.84933	174.05587	6.17787	0.0523010	0.26854381	2.3793552	20	1 27.9	18.8
37709 1996 RL_4	15.0	X	271.20913	21.14116	355.60574	11.60569	0.1778446	0.24138982	2.5546030	20	6 25.8	18.6
37710 1996 RD_{12}	12.4	X	267.31428	78.04260	3.62196	9.55735	0.0802333	0.08236017	5.2318815	20	9 12.2	19.3
37711 1996 RP_{12}	15.2	X	77.36738	266.01390	168.66568	6.72709	0.0892573	0.26720197	2.3873144	20	1 25.9	17.9
37712 1996 RD_{14}	15.6	X	62.36247	4.25403	355.51693	6.23076	0.1539592	0.25702984	2.4498924	20	—	—
37713 1996 RY_{22}	16.4	X	281.77291	109.25845	181.61635	1.50641	0.1364627	0.27619797	2.3351909	20	3 17.6	19.4
37714 1996 RK_{29}	12.2	X	32.52866	244.12090	96.41373	4.52885	0.1874286	0.08443380	5.1458660	20	11 8.2	18.4
37715 1996 RN_{31}	12.1	X	219.41751	338.46358	173.84402	8.89403	0.0245737	0.08418753	5.1558967	20	10 15.7	19.0
37716 1996 RP_{32}	12.4	X	356.93154	304.47542	52.29522	4.34662	0.0674458	0.08379287	5.1720733	20	9 29.3	18.9
37717 1996 RQ_{33}	14.9	X	304.25206	264.97799	354.13119	22.87948	0.1993483	0.27754036	2.3276550	20	2 28.7	18.0
37718 1996 SR_4	15.6	X	225.60850	308.70878	15.97470	5.21865	0.1747247	0.27145598	2.3623076	20	3 1.6	19.4
37719 1996 SG_6	15.7	X	128.46436	307.03418	22.80245	2.87244	0.2103879	0.26090198	2.4255922	20	—	—
37720 Kawanishi	14.8	X	190.89989	294.96913	33.85602	2.84078	0.2181279	0.26812432	2.3818363	20	2 6.2	18.7
37721 1996 TX_8	14.7	X	320.83134	343.09297	329.41176	24.25366	0.2439480	0.28252387	2.3002019	20	5 26.8	17.5
37722 1996 TC_{13}	16.1	X	172.65664	226.87030	152.50801	4.78189	0.2172202	0.22827204	2.6515566	20	3 26.0	20.5
37723 1996 TX_{28}	15.1	X	322.87609	4.58298	78.77842	6.33955	0.0782724	0.25212634	2.4815550	20	—	—
37724 1996 TP_{30}	15.5	X	157.18872	286.44799	26.88641	2.72815	0.2031147	0.26168966	2.4207225	20	—	—
37725 1996 TA_{35}	15.0	X	240.80053	46.59024	286.23376	4.78143	0.1828423	0.27561073	2.3385068	20	3 20.7	18.8
37726 1996 TK_{36}	15.4	X	255.48462	294.37457	333.75964	10.49481	0.2287239	0.27188859	2.3598011	20	1 16.2	19.3
37727 1996 TE_{39}	15.6	X	320.11231	119.08234	161.22129	6.50726	0.1149425	0.27897372	2.3196752	20	5 4.2	18.0
37728 1996 TG_{39}	14.9	X	198.49387	337.01001	19.30868	5.38122	0.2457334	0.27246401	2.3564774	20	3 16.5	18.9
37729 Akiratakao	14.5	X	242.11234	325.07595	39.77068	12.72514	0.1942666	0.23466324	2.6031908	20	5 4.6	18.5
37730 1996 TA_{55}	14.8	X	38.00009	83.55475	349.30526	5.03144	0.1065994	0.26129835	2.4231387	20	—	—
37731 1996 TY_{64}	15.8	X	256.52977	169.16394	287.58399	0.22055	0.1388846	0.24513102	2.5285441	20	9 30.3	18.8
37732 1996 TY_{68}	11.8	X	112.64025	244.88613	0.85896	15.47171	0.0264288	0.08224176	5.2369020	20	10 2.6	18.8
37733 1996 UD_1	14.9	X	295.23959	327.85015	1.88017	5.09291	0.1683733	0.28038307	2.3118955	20	5 24.1	17.5
37734 1996 UR_3	15.2	X	353.22908	27.96486	254.81381	4.75665	0.1807866	0.28291218	2.2980966	20	7 11.9	16.6
37735 Riccardomuti	14.7	X	254.88739	325.50744	0.50084	5.78938	0.2549062	0.27589701	2.3368888	20	3 21.9	18.6
37736 Jandl	14.8	X	294.96798	305.80042	70.19473	7.69909	0.3057135	0.24109265	2.5567018	20	7 7.8	17.7
37737 1996 VS_{13}	15.8	X	321.19920	119.35431	203.48228	0.88794	0.1536150	0.23854388	2.5748812	20	7 2.7	18.3
37738 1996 VM_{14}	15.1	X	215.84365	199.41330	46.63042	1.33310	0.1540543	0.25817995	2.4426114	20	—	—
37739 1996 VC_{15}	15.5	X	172.03646	259.08970	198.40914	0.67509	0.1063866	0.23379284	2.6096479	20	6 27.8	19.5
37740 1996 VU_{29}	14.8	X	139.51445	134.84797	201.14782	4.52951	0.2033107	0.26178226	2.4201516	20	—	—
37741 1996 WR_1	14.6	X	28.14462	128.04989	209.52553	3.13028	0.1604384	0.24630698	2.5204896	20	12 1.9	17.7
37742 1996 WB_2	15.8	X	120.11113	355.64416	81.09269	3.06087	0.1845392	0.22529269	2.6748821	20	4 15.6	19.8
37743 1996 XQ	15.3	X	110.82045	6.48981	65.36729	5.91094	0.1574834	0.22326285	2.6910705	20	3 28.6	19.1
37744 1996 XU_{14}	14.9	X	233.09156	62.47503	320.72888	16.30407	0.1110467	0.35831105	1.9631911	20	5 22.4	17.7
37745 1996 XD_{22}	14.8	X	1.82702	233.36711	311.34973	8.24496	0.0869632	0.21803241	2.7339381	20	3 1.8	18.2
37746 1996 XD_{32}	13.9	X	104.75593	78.10972	73.27566	15.05294	0.1046676	0.22685689	2.6625722	20	6 22.8	17.7
37747 1996 YS	14.4	X	126.28767	122.02642	290.72325	12.30688	0.2240439	0.17894156	3.1188554	20	3 22.0	19.6
37748 1997 AF_2	14.7	X	102.60942	290.68602	122.74270	10.22932	0.1579269	0.21633915	2.7481851	20	2 24.3	18.4
37749 Umbertobonori	15.1	X	73.93462	246.97979	242.20935	6.52838	0.1308192	0.22250899	2.6971453	20	4 15.9	18.5
37750 1997 BZ	13.8	X	17.09790	309.75041	298.86104	10.50731	0.1599085	0.22661503	2.6644664	20	7 5.6	16.5
37751 1997 CH_1	13.6	X	350.60235	280.43295	306.18028	4.81625	0.0450195	0.21922975	2.7239746	20	4 12.5	17.1
37752 1997 CR_{12}	14.4	X	195.83719	284.19012	336.41008	9.82805	0.0952819	0.20378235	2.8599493	20	—	—
37753 1997 CO_{13}	15.0	X	30.03923	89.23012	282.88019	0.94017	0.0831939	0.20177286	2.8789064	20	12 25.1	18.9
37754 1997 CX_{15}	14.8	X	109.02212	15.39961	326.46578	1.11823	0.0073728	0.20456739	2.8526278	20	—	—
37755 1997 EA	14.4	X	312.52893	354.53946	149.05246	10.24962	0.1546578	0.20472733	2.8511419	20	—	—
37756 1997 EH_{11}	14.3	X	239.43144	52.76854	295.12168	13.90765	0.1122644	0.22561141	2.6723624	20	4 11.5	18.6
37757 1997 EG_{26}	14.0	X	106.10126	145.99182	307.93154	12.06680	0.1067948	0.22018356	2.7161023	20	4 3.8	18.0
37758 1997 EB_{36}	14.9	X	282.03230	72.23543	124.61414	3.91798	0.0288105	0.20848719	2.8167597	20	—	—
37759 1997 EL_{36}	14.1	X	24.47219	190.52159	326.79853	8.58493	0.0967246	0.21619890	2.7493734	20	3 2.9	17.2
37760 1997 EG_{41}	13.7	X	64.09031	109.76842	310.80777	8.10053	0.1571553	0.21061341	2.7977701	20	1 7.9	16.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
37761 1997 EN_{51}	14.3	X	355.42000	165.65143	42.59909	0.43647	0.1193451	0.17158935	3.2073215	20	3 29.3	18.2
37762 1997 GU_{1}	14.9	X	354.16239	299.21395	32.21268	0.83130	0.1380298	0.18563586	3.0434171	20	9 12.2	18.3
37763 1997 GB_{3}	14.4	X	357.01481	129.54671	183.15796	9.35341	0.0805359	0.18393839	3.0621125	20	8 17.2	18.4
37764 1997 GT_{3}	13.4	X	34.48484	270.63623	17.06553	9.57633	0.0883687	0.18421063	3.0590947	20	9 15.6	17.4
37765 1997 GF_{11}	14.4	X	104.79479	162.37272	4.71490	6.34131	0.0768005	0.17958487	3.1114026	20	7 9.9	19.0
37766 1997 GM_{11}	14.3	X	343.64921	308.82093	4.15402	9.00708	0.0577190	0.18149782	3.0895017	20	8 1.9	18.4
37767 1997 GP_{16}	14.3	X	92.04239	330.96072	28.00867	2.61780	0.0640781	0.20003976	2.8955107	20	—	—
37768 1997 GV_{16}	13.9	X	53.91449	132.65183	194.07197	9.82263	0.0934504	0.19103187	2.9858329	20	11 29.1	18.2
37769 1997 GJ_{18}	13.8	X	304.01566	286.88182	22.90574	22.70642	0.0686598	0.17669607	3.1452230	20	5 20.0	18.4
37770 1997 GQ_{21}	14.5	X	33.71740	344.54796	207.64816	4.71624	0.0737650	0.17229824	3.1985181	20	5 7.1	18.6
37771 1997 GQ_{22}	13.4	X	258.83907	127.73367	218.12522	12.93735	0.1489594	0.17203021	3.2018396	20	5 5.4	18.1
37772 1997 GF_{23}	13.6	X	109.18925	50.49585	44.35912	22.67496	0.0820950	0.16982565	3.2294893	20	4 19.9	18.4
37773 1997 GY_{24}	14.9	X	46.70798	266.45909	48.88623	3.51995	0.0777189	0.18959477	3.0009020	20	11 2.9	19.0
37774 1997 GC_{25}	15.7	X	155.30484	23.09974	213.63567	0.47108	0.1792908	0.19340870	2.9613203	20	11 25.9	20.7
37775 1997 GY_{26}	14.6	X	23.07751	95.47618	139.50755	0.99454	0.1193510	0.17828772	3.1264760	20	6 19.8	18.5
37776 1997 GW_{28}	15.7	X	348.93069	123.19975	188.93267	6.50318	0.1290945	0.26718466	2.3874175	20	8 15.7	18.0
37777 1997 GE_{32}	14.3	X	29.97433	276.06106	18.69893	7.97720	0.1267202	0.18305085	3.0720024	20	9 22.3	18.2
37778 1997 HE_{2}	14.3	X	66.67473	172.30384	48.49693	3.59345	0.1179035	0.17974668	3.1095351	20	8 6.5	18.6
37779 1997 HE_{10}	14.8	X	128.55757	43.78142	158.66620	2.06820	0.0548890	0.18461154	3.0546643	20	9 17.2	19.4
37780 1997 HO_{11}	14.2	X	139.66219	64.13830	23.45796	4.72487	0.1103024	0.17247229	3.1963659	20	5 11.7	19.0
37781 1997 HB_{13}	13.7	X	82.30850	346.68118	225.42435	12.17506	0.0625489	0.17965094	3.1106397	20	8 1.3	18.3
37782 Jacquespiccard	14.7	X	227.90581	197.87088	66.49431	2.99539	0.1233323	0.20146923	2.8817982	20	—	—
37783 1997 MP_{2}	14.3	X	92.44960	275.88334	264.50088	7.57155	0.1113780	0.21522638	2.7576494	20	7 16.3	18.2
37784 1997 SY_{2}	15.7	X	170.66801	33.12008	353.09087	3.90283	0.1588778	0.28313339	2.2968995	20	3 25.4	19.1
37785 1997 SL_{15}	15.8	X	203.19847	166.11211	276.53785	1.88236	0.1758386	0.29023869	2.2592581	20	7 9.7	19.3
37786 Tokikonaruko	16.0	X	347.48546	317.21837	71.31741	4.56436	0.1397781	0.30385846	2.1912327	20	12 24.4	18.0
37787 1997 SX_{24}	15.8	X	130.99405	220.50667	210.26456	3.72833	0.1357080	0.28129660	2.3068874	20	4 9.6	19.0
37788 Suchan	16.3	X	111.36418	227.73077	220.80018	1.99157	0.1874221	0.28007030	2.3136163	20	4 17.4	19.4
37789 1997 UL_{16}	13.1	X	246.88402	201.66623	264.22137	0.45082	0.0094520	0.08159260	5.2646424	20	9 23.9	20.0
37790 1997 UX_{26}	12.6	X	297.63084	253.84505	160.06883	9.53226	0.0857436	0.08177838	5.2566662	20	9 15.3	19.3
37791 1997 VB_{4}	15.0	X	73.55405	107.49804	60.06580	7.85121	0.0732208	0.27865929	2.3214199	20	5 30.0	17.7
37792 1997 VQ_{7}	16.0	X	75.19678	133.77107	304.63845	1.99191	0.1034564	0.27334343	2.3514204	20	1 29.5	18.5
37793 1997 WE	15.2	X	287.09359	163.46085	30.82802	2.97110	0.0101577	0.31306693	2.1480510	20	—	—
37794 1997 WP_{7}	15.5	X	69.37190	13.65720	327.41502	0.59233	0.1887161	0.30781325	2.1724236	20	—	—
37795 1997 WC_{8}	15.3	X	285.86312	181.58591	210.96011	4.53918	0.1258396	0.29388491	2.2405322	20	8 22.3	17.5
37796 1997 WK_{13}	15.6	X	157.27630	358.09203	53.40859	5.01694	0.1575552	0.28061255	2.3106349	20	4 15.9	19.0
37797 1997 WU_{15}	16.1	X	258.31546	304.58983	102.78742	2.61788	0.0556731	0.29278418	2.2461442	20	8 14.7	18.6
37798 1997 WU_{24}	17.0	X	126.38340	4.03773	64.21816	0.94038	0.1629042	0.27974102	2.3154315	20	4 4.9	20.1
37799 1997 WC_{31}	15.5	X	40.26833	156.63570	193.77337	2.66335	0.2181764	0.30593353	2.1813131	20	—	—
37800 1997 WW_{36}	15.9	X	205.44029	23.73098	104.94024	3.99380	0.0509448	0.29512102	2.2342716	20	9 29.7	18.6
37801 1997 WO_{47}	15.7	X	184.13120	119.84986	333.70504	2.39041	0.1437121	0.28764155	2.2728371	20	7 6.9	19.1
37802 1997 XD_{11}	15.2	X	55.01652	359.51119	310.74407	6.11607	0.3230142	0.29709676	2.2243550	20	12 26.1	18.9
37803 1997 YY	15.4	X	307.15386	75.94295	261.44014	4.15133	0.2162549	0.28844450	2.2686171	20	6 19.6	17.4
37804 1997 YE_{4}	14.9	X	12.78394	108.13014	253.05310	3.79758	0.1430359	0.30008977	2.2095403	20	12 24.1	17.3
37805 1997 YM_{10}	14.7	X	179.39572	313.47204	103.21120	8.79302	0.1130349	0.27829320	2.3234553	20	5 15.4	18.2
37806 1997 YQ_{11}	14.7	X	62.26744	163.63967	85.86889	7.76352	0.1792474	0.28621961	2.2803585	20	10 3.4	17.8
37807 1997 YZ_{12}	15.8	X	56.57835	135.73376	108.84148	6.26532	0.1578392	0.28544441	2.2844852	20	9 14.3	18.6
37808 1997 YL_{14}	14.9	X	75.27399	270.18993	239.95395	2.68799	0.0749564	0.27668124	2.3324709	20	5 7.4	17.6
37809 1997 YU_{15}	16.0	X	125.17591	281.72244	94.91124	3.15274	0.2236478	0.27107237	2.3645357	20	2 4.9	19.1
37810 1997 YP_{17}	15.9	X	212.93606	356.17682	319.05401	3.43807	0.1252600	0.27127169	2.3633773	20	2 6.3	19.4
37811 1998 AR_{4}	15.0	X	25.46203	309.86327	308.65956	7.24149	0.2183898	0.28240413	2.3008520	20	8 21.3	16.9
37812 1998 AB_{6}	14.8	X	229.34018	317.73327	0.23821	2.07688	0.2248441	0.26886231	2.3774758	20	2 22.8	18.6
37813 1998 AM_{6}	15.3	X	80.89692	135.15580	80.12157	3.04824	0.0989314	0.28541863	2.2846228	20	8 25.5	18.1
37814 1998 AT_{6}	15.0	X	5.82487	117.90514	98.11712	7.30994	0.0590950	0.27533819	2.3400497	20	4 23.6	17.6
37815 1998 BK_{1}	15.1	X	328.13139	96.76680	95.37455	3.36140	0.1445925	0.26613783	2.3936739	20	1 6.3	17.9
37816 1998 BT_{2}	15.3	X	83.34945	353.06454	91.61949	5.00805	0.1380018	0.27111931	2.3642628	20	2 28.9	17.9
37817 1998 BV_{2}	15.0	X	359.55253	43.22957	45.91256	1.93247	0.1502173	0.26134653	2.4228409	20	—	—
37818 1998 BC_{5}	15.9	X	125.29104	115.38540	268.39059	3.60131	0.1584037	0.26998655	2.3708712	20	2 3.9	19.0
37819 1998 BE_{5}	15.0	X	104.30225	282.04269	216.23618	4.82937	0.0692678	0.27949893	2.3167683	20	5 31.9	17.8
37820 1998 BL_{8}	13.9	X	263.13234	350.95805	336.16616	13.05603	0.2185380	0.27543253	2.3395153	20	3 29.3	17.6
37821 1998 BM_{8}	14.8	X	344.50360	171.23652	334.01771	12.01838	0.1201982	0.26308352	2.4121647	20	—	—
37822 1998 BQ_{8}	15.5	X	309.76375	74.97043	129.41020	6.18420	0.1338510	0.26447658	2.4036870	20	—	—
37823 1998 BS_{8}	15.0	X	248.92458	135.16879	87.60197	3.15739	0.1336009	0.25899889	2.4374597	20	—	—
37824 1998 BU_{14}	14.4	X	128.03914	323.25428	133.33959	7.25777	0.0581820	0.27704566	2.3304251	20	5 5.7	17.5
37825 1998 BM_{17}	15.2	X	228.79449	174.78644	109.14284	2.26679	0.1806753	0.26393631	2.4069660	20	1 13.6	18.9
37826 1998 BS_{24}	15.3	X	63.70245	347.70166	136.28134	3.41091	0.1556223	0.27141000	2.3625744	20	3 25.9	17.5
37827 1998 BR_{32}	14.6	X	4.02871	275.51492	332.65725	12.68367	0.1764631	0.23233404	2.6205603	20	6 5.1	17.4
37828 1998 BK_{33}	14.3	X	329.75075	94.76925	90.84558	7.38215	0.0501213	0.26573878	2.3960696	20	1 14.8	17.1
37829 1998 BQ_{33}	14.3	X	318.68267	224.05582	79.17198	5.02819	0.1567905	0.27652641	2.3333415	20	5 28.8	16.5
37830 1998 BX_{33}	14.3	X	222.14609	341.10187	345.77664	24.57527	0.1735655	0.26824373	2.3811294	20	3 1.7	18.2
37831 1998 BH_{36}	14.8	X	127.84515	159.22943	74.67215	8.89533	0.1132300	0.29239280	2.2481482	20	11 14.8	18.1
37832 1998 BA_{38}	14.8	X	34.07848	122.05249	121.52203	7.91202	0.0901007	0.28287613	2.2982919	20	7 24.1	17.1
37833 1998 BL_{39}	14.6	X	70.97274	335.03298	312.90738	7.19039	0.1667066	0.29153984	2.2525310	20	11 26.4	18.0
37834 1998 BG_{41}	15.3	X	198.25963	248.28393	139.77266	7.31338	0.1510273	0.27868102	2.3212992	20	4 27.0	18.9
37835 1998 BC_{44}	15.2	X	353.98366	76.63609	85.28861	5.67926	0.1671349	0.26696555	2.3887236	20	—	—
37836 1998 BD_{44}	14.9	X	47.38884	84.79154	18.72006	6.17235	0.0918951	0.26823945	2.3811547	20	1 20.3	17.5
37837 1998 CA_{2}	14.3	X	149.41508	88.58331	64.24530	15.13867	0.1572871	0.23648237	2.5898237	20	8 23.4	18.8
37838 1998 DF	14.7	X	182.07625	301.12573	132.20282	4.69008	0.1155248	0.28008310	2.3135458	20	6 7.8	18.1
37839 1998 DX_{1}	15.8	X	0.18703	315.83613	113.67746	10.44111	0.0850204	0.25723422	2.4485946	20	—	—
37840 Gramegna	15.4	X	75.30261	307.39381	129.76193	5.35261	0.1505646	0.26773173	2.3841642	20	2 4.9	17.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
37841 1998 DQ_4	15.0	X	326.86073	73.65305	161.59536	7.45449	0.0864860	0.27111916	2.3642637	20	3 13.0	17.4
37842 1998 DT_4	15.0	X	76.71535	296.87544	146.49667	6.60077	0.0871911	0.26819200	2.3814356	20	2 6.5	17.6
37843 1998 DA_6	14.8	X	8.19883	184.78621	276.42473	1.22471	0.1473953	0.26160536	2.4212425	20	—	—
37844 1998 DD_6	15.3	X	53.54096	253.93851	154.13030	2.89132	0.1803339	0.26163078	2.4210857	20	—	—
37845 1998 DF_6	14.6	X	283.91421	205.13599	149.62074	4.09472	0.1647349	0.28163355	2.3050470	20	6 15.3	17.2
37846 1998 DV_6	15.2	X	135.81192	67.52191	243.38732	5.39481	0.1417369	0.25879149	2.4387618	20	—	—
37847 1998 DH_9	14.6	X	39.69641	53.39337	141.71298	15.10118	0.0860273	0.22894853	2.6463309	20	5 24.1	18.1
37848 1998 DB_{14}	14.8	X	323.00749	252.87383	19.05581	12.96955	0.1330143	0.22458906	2.6804661	20	4 22.4	17.9
37849 1998 DP_{16}	15.1	X	8.36204	139.53354	237.72199	4.60303	0.1440405	0.25338292	2.4733438	20	12 25.6	18.0
37850 1998 DX_{21}	15.6	X	275.50969	275.73983	54.57752	1.83983	0.0225622	0.23230169	2.6208035	20	5 22.0	18.8
37851 1998 DH_{26}	15.7	X	277.58720	229.36962	317.65281	1.78229	0.1168798	0.25969824	2.4330818	20	—	—
37852 1998 DG_{32}	15.2	X	202.45183	260.20304	238.11377	5.10271	0.0837762	0.29642506	2.2277140	20	9 30.9	18.0
37853 Danielbarbier	15.1	X	219.76608	240.12351	25.30254	3.33059	0.1694719	0.25818181	2.4425996	20	—	—
37854 1998 EY_{11}	14.6	X	297.15840	267.37543	17.71362	8.64838	0.2002951	0.26995857	2.3710350	20	3 22.2	17.5
37855 1998 EE_{12}	14.1	X	24.37218	195.96646	84.52961	6.01268	0.1451071	0.28075029	2.3098791	20	9 15.1	16.5
37856 1998 EV_{12}	14.9	X	266.67291	128.14715	113.50543	3.15501	0.1573691	0.26130452	2.4231006	20	—	—
37857 1998 EV_{14}	15.2	X	75.52404	279.46854	197.12300	15.63561	0.1801816	0.22524234	2.6752807	20	4 11.0	18.3
37858 1998 EX_{15}	15.1	X	157.70490	218.99446	147.55992	6.93103	0.1297973	0.26906089	2.3763058	20	2 15.8	18.5
37859 Bobkoff	14.8	X	167.27391	349.46347	93.41046	4.74191	0.1076931	0.22890739	2.6466479	20	6 3.9	18.8
37860 1998 FP_4	14.8	X	142.48585	242.51636	190.79932	21.57693	0.0610844	0.22695206	2.6618278	20	4 23.5	18.7
37861 1998 FA_5	15.5	X	192.90658	157.34428	5.86223	11.37826	0.1234118	0.24410642	2.5356146	20	10 11.4	19.2
37862 1998 FR_5	15.4	X	61.49189	296.43393	331.57336	1.20055	0.0808429	0.23875093	2.5733923	20	9 30.7	18.7
37863 1998 FB_7	15.6	X	199.43435	32.53433	353.69936	5.79968	0.2368001	0.23265681	2.6181360	20	4 21.1	20.1
37864 1998 FJ_{10}	15.3	X	123.27513	13.67126	258.85913	2.18554	0.1854757	0.24580688	2.5239071	20	12 19.4	19.3
37865 1998 FS_{15}	14.8	X	30.47230	82.54227	196.23477	13.82928	0.1543419	0.23532244	2.5983271	20	9 9.7	17.9
37866 1998 FU_{15}	15.3	X	351.47103	317.15290	315.84725	2.08823	0.0996130	0.23017206	2.6369445	20	6 18.9	18.3
37867 1998 FO_{16}	15.1	X	66.34510	28.46264	7.76320	1.06710	0.1937902	0.26134980	2.4228207	20	—	—
37868 1998 FH_{18}	15.0	X	345.73369	350.86712	165.14880	1.89522	0.1157024	0.26345186	2.4099158	20	—	—
37869 1998 FN_{21}	15.2	X	45.13057	245.75086	359.01016	4.52395	0.2578733	0.23344531	2.6122372	20	9 5.3	18.4
37870 1998 FJ_{23}	15.0	X	46.66162	41.65626	71.27168	2.15581	0.1457996	0.26677983	2.3898321	20	2 3.9	17.0
37871 1998 FB_{28}	14.7	X	263.18687	230.33519	319.57469	2.45527	0.1008558	0.25609289	2.4558643	20	—	—
37872 1998 FW_{28}	15.8	X	131.47277	108.68349	45.16721	3.05511	0.0975902	0.23602456	2.5931715	20	7 28.6	19.7
37873 1998 FM_{29}	14.7	X	80.37421	92.90678	177.27862	14.82440	0.2041143	0.24122373	2.5557755	20	11 12.6	18.9
37874 1998 FX_{29}	15.2	X	230.08934	318.72634	237.17260	3.40301	0.1581096	0.25217772	2.4812179	20	—	—
37875 1998 FV_{34}	14.9	X	355.69360	227.41306	191.19433	5.50444	0.1133488	0.25259129	2.4785088	20	—	—
37876 1998 FY_{37}	14.5	X	319.80554	220.79058	170.41008	11.47007	0.0956462	0.24528743	2.5274691	20	10 19.8	17.3
37877 1998 FX_{41}	15.5	X	36.53110	41.98827	198.43791	4.02042	0.0898730	0.23280920	2.6169934	20	7 18.1	18.7
37878 1998 FG_{43}	14.0	X	256.19701	53.93833	183.17158	15.58960	0.1602537	0.21432291	2.7653938	20	—	—
37879 1998 FB_{47}	14.4	X	358.73497	359.44958	183.19764	5.98914	0.0047401	0.22207512	2.7006571	20	2 29.4	18.1
37880 1998 FP_{47}	14.8	X	16.50118	342.22434	349.63158	6.71400	0.1638983	0.24147754	2.5539843	20	11 3.5	17.8
37881 1998 FL_{48}	15.3	X	106.14899	12.42807	268.12003	3.29963	0.0377306	0.24679128	2.5171910	20	12 7.5	18.5
37882 1998 FE_{49}	14.8	X	268.70506	100.10695	190.57432	7.74806	0.1986349	0.26588235	2.3952070	20	2 23.5	18.4
37883 1998 FA_{51}	14.5	X	50.96425	263.71833	8.57205	15.06102	0.0862779	0.23838521	2.5760236	20	9 25.0	17.8
37884 1998 FH_{54}	14.9	X	297.68560	135.16954	194.40153	5.80582	0.0716241	0.23166068	2.6256359	20	6 14.3	18.2
37885 1998 FG_{56}	14.4	X	54.47590	143.41872	160.04222	7.79938	0.2042225	0.24092675	2.5578753	20	11 26.6	18.2
37886 1998 FH_{56}	14.9	X	74.22698	153.27589	152.05963	5.89011	0.0981417	0.24492633	2.5299527	20	12 7.9	18.5
37887 1998 FQ_{58}	15.3	X	138.66268	82.53670	169.29599	2.24246	0.1734295	0.24528323	2.5274979	20	12 7.9	19.3
37888 1998 FG_{59}	14.6	X	159.05281	198.84493	141.51583	4.08848	0.0752280	0.21575747	2.7531222	20	1 17.2	18.6
37889 1998 FW_{59}	14.9	X	47.15245	273.85770	17.41453	14.57603	0.1199310	0.23923823	2.5698967	20	10 17.8	18.3
37890 1998 FY_{59}	15.0	X	166.58153	301.21961	156.13597	3.22159	0.0290419	0.23180008	2.6245831	20	6 20.3	18.5
37891 1998 FY_{60}	14.7	X	160.12622	199.34316	5.11431	14.55313	0.0526098	0.24382284	2.5375803	20	10 29.3	18.4
37892 1998 FA_{61}	14.1	X	324.91284	324.34359	5.51795	14.76526	0.1188574	0.23406612	2.6076162	20	7 30.7	17.2
37893 1998 FR_{61}	15.0	X	46.39333	309.75267	301.45796	1.47930	0.1130790	0.23406893	2.6075954	20	8 22.2	18.1
37894 1998 FE_{62}	13.8	X	301.95246	37.12931	359.71678	14.27763	0.1763550	0.24157760	2.5532790	20	9 15.5	16.3
37895 1998 FJ_{62}	14.8	X	2.09467	247.29198	201.02459	10.10093	0.3351431	0.21451871	2.7637108	20	—	—
37896 1998 FV_{62}	13.9	X	24.41293	95.13932	199.67025	9.39858	0.0787859	0.19264354	2.9691565	20	9 5.1	17.9
37897 1998 FP_{64}	14.2	X	34.74697	140.38761	182.88414	13.32852	0.3155084	0.23920236	2.5701536	20	12 12.8	18.1
37898 1998 FG_{65}	14.9	X	30.73042	58.31833	195.56359	9.26841	0.2151639	0.23102483	2.6304514	20	8 14.3	17.9
37899 1998 FZ_{65}	15.1	X	196.55550	213.27505	320.09361	1.84116	0.0672072	0.24446044	2.5331661	20	11 3.9	18.7
37900 1998 FF_{66}	14.4	X	87.37402	246.42408	8.83672	3.76672	0.1133370	0.23949761	2.5680408	20	10 19.6	18.0
37901 1998 FW_{66}	14.8	X	198.19699	253.71103	26.50551	7.91417	0.1952139	0.21027973	2.8007291	20	—	—
37902 1998 FH_{67}	14.9	X	260.83739	167.57516	32.85843	7.76001	0.0614358	0.25539264	2.4603514	20	—	—
37903 1998 FU_{67}	14.6	X	290.97502	267.20174	159.32829	5.60989	0.1268510	0.24407838	2.5358088	20	10 16.2	17.4
37904 1998 FU_{68}	14.3	X	25.74520	21.59791	205.21254	11.34875	0.1215806	0.22843572	2.6502899	20	6 14.5	17.4
37905 1998 FU_{70}	14.4	X	204.68109	310.66527	190.59496	21.79638	0.0283584	0.24112131	2.5564991	20	10 8.1	17.6
37906 1998 FR_{73}	14.4	X	112.17890	16.59630	40.17597	5.90141	0.1653771	0.26918659	2.3755660	20	3 7.4	17.5
37907 1998 FD_{76}	14.3	X	314.44673	186.07077	192.85285	12.24095	0.1647605	0.24193381	2.5507722	20	9 11.2	16.8
37908 1998 FA_{78}	15.0	X	78.02463	130.06778	136.97938	6.76341	0.1392852	0.23912696	2.5706938	20	10 30.4	18.8
37909 1998 FT_{79}	14.7	X	23.48945	117.84181	178.40060	12.79793	0.1461739	0.23438266	2.6052679	20	9 24.7	17.6
37910 1998 FS_{84}	14.3	X	7.72118	204.41899	124.19354	15.16263	0.1683765	0.24246486	2.5470464	20	10 26.5	17.4
37911 1998 FA_{85}	14.5	X	10.40222	231.90027	21.03395	13.12799	0.1774875	0.23126932	2.6285971	20	6 30.0	17.3
37912 1998 FG_{90}	14.5	X	6.18498	253.77989	80.35283	4.52978	0.1152820	0.24228223	2.5483262	20	10 18.7	17.3
37913 1998 FO_{90}	15.3	X	279.82474	163.83010	73.18036	3.66810	0.1401047	0.26276304	2.4141256	20	1 7.2	18.7
37914 1998 FK_{94}	14.5	X	78.87162	244.84072	20.47062	13.96384	0.1498540	0.24078794	2.5588583	20	10 25.8	18.3
37915 1998 FK_{101}	14.5	X	59.25409	32.58358	214.94901	9.82338	0.1328812	0.23568553	2.5956578	20	9 4.4	18.1
37916 1998 FN_{101}	14.7	X	118.84483	300.73256	206.79769	12.05189	0.1157497	0.23313756	2.6145355	20	7 4.5	18.8
37917 1998 FJ_{103}	14.6	X	208.11318	75.69126	215.58239	7.90379	0.2044272	0.25815085	2.4427949	20	1 4.8	18.8
37918 1998 FD_{104}	14.3	X	277.05334	59.65392	206.51951	16.07589	0.2334776	0.21864365	2.7288404	20	1 31.4	19.0
37919 1998 FO_{104}	14.1	X	351.02527	288.31528	220.22194	11.88913	0.1784000	0.26211165	2.4181236	20	—	—
37920 1998 FC_{109}	14.5	X	232.64807	211.34687	258.78739	4.25820	0.0854927	0.24232230	2.5480452	20	9 22.0	18.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
37921 1998 FM_{109}	15.0	X	350.32564	287.71965	260.19863	4.48163	0.0055167	0.22067462	2.7120714	20	2 24.3	18.7
37922 1998 FQ_{109}	15.3	X	343.76911	324.16517	259.20791	5.23877	0.1048195	0.22352147	2.6889943	20	3 22.9	18.5
37923 1998 FD_{113}	13.2	X	258.20287	91.30823	219.71574	22.06991	0.1252578	0.17810684	3.1285923	20	3 21.4	18.3
37924 1998 FB_{114}	14.6	X	358.47391	52.38289	216.50933	14.63941	0.1180978	0.22965538	2.6408980	20	6 24.2	17.7
37925 1998 FL_{114}	14.3	X	55.91762	343.41816	229.96829	11.29791	0.1323176	0.23047197	2.6346563	20	7 14.4	17.8
37926 1998 FX_{114}	14.1	X	111.88289	20.50480	229.80229	11.06263	0.1202480	0.24138259	2.5546540	20	11 9.4	17.9
37927 1998 FS_{115}	14.7	X	37.64456	247.77331	357.77650	13.38591	0.1197568	0.23176233	2.6248681	20	8 7.1	18.0
37928 1998 FO_{121}	15.2	X	124.79886	77.00291	154.88088	2.28523	0.1059470	0.24210694	2.5495560	20	10 31.0	18.9
37929 1998 FY_{122}	14.5	X	273.91239	59.57161	186.14578	15.67682	0.1946018	0.21597565	2.7512677	20	1 10.8	19.2
37930 1998 FG_{123}	13.5	X	238.02121	58.53984	4.50743	13.32409	0.1585162	0.23647373	2.5898868	20	7 24.0	17.5
37931 1998 FG_{125}	15.1	X	170.32047	184.08439	35.34825	13.39946	0.0824161	0.24578332	2.5240684	20	11 29.7	18.8
37932 1998 FF_{129}	14.9	X	346.27283	313.24530	326.46867	7.81925	0.0649962	0.23281744	2.6169316	20	6 21.1	18.0
37933 1998 FM_{140}	14.5	X	73.45863	282.72729	214.09237	0.53020	0.1234622	0.18292727	3.0733858	20	4 28.1	18.6
37934 1998 FO_{141}	14.5	X	357.79560	137.95659	193.92064	13.35531	0.2013512	0.23829304	2.5766878	20	10 7.8	16.9
37935 1998 GW	14.4	X	215.82308	348.82003	123.33085	8.31225	0.1489119	0.23780189	2.5802345	20	8 31.8	18.2
37936 1998 GH_1	14.2	X	221.14055	216.10654	41.32399	8.32023	0.1769501	0.21118288	2.7927383	20	—	—
37937 1998 GA_9	14.6	X	71.71185	99.20135	106.83209	15.75200	0.0719867	0.23191069	2.6237485	20	7 20.4	17.9
37938 1998 GH_9	14.0	X	348.69865	155.04115	100.89485	14.06269	0.0596355	0.22704481	2.6611029	20	5 25.3	17.4
37939 Hašler	14.9	X	130.93046	161.36281	47.63744	15.00449	0.0903767	0.23891628	2.5722049	20	10 12.1	18.8
37940 1998 HA_4	15.2	X	186.83401	92.66153	80.37573	5.18491	0.1603381	0.24297074	2.5435097	20	10 18.7	19.1
37941 1998 HS_6	14.7	X	198.25889	277.19533	85.33258	7.08929	0.0411655	0.21907237	2.7252791	20	3 30.5	18.7
37942 1998 HY_8	14.9	X	73.14579	188.10641	104.72300	4.57934	0.1489370	0.24057693	2.5603543	20	11 25.8	18.7
37943 1998 HF_{18}	15.4	X	203.39887	275.16223	228.07037	5.24656	0.0836623	0.24214359	2.5492987	20	9 30.9	19.0
37944 1998 HK_{19}	14.2	X	277.90577	194.22468	217.22973	8.64920	0.1503139	0.24004500	2.5641353	20	8 23.5	17.5
37945 1998 HP_{19}	14.9	X	23.43725	306.01852	2.47073	11.00492	0.1678437	0.23771518	2.5808620	20	10 13.1	17.9
37946 1998 HH_{20}	15.1	X	246.69047	18.31074	198.97853	14.85879	0.1254181	0.25533218	2.4607397	20	—	—
37947 1998 HJ_{20}	15.2	X	15.94222	112.80172	212.82678	1.90280	0.0252652	0.24079961	2.5587756	20	10 7.9	18.5
37948 1998 HN_{23}	14.2	X	62.72098	207.33667	60.61360	14.61950	0.0657007	0.23731875	2.5837353	20	10 7.8	17.9
37949 1998 HD_{29}	14.7	X	65.61854	33.29365	212.31885	11.72771	0.1235611	0.23529791	2.5985077	20	9 8.7	18.3
37950 1998 HU_{33}	14.8	X	46.96360	247.08871	6.44298	4.62410	0.1135811	0.23361434	2.6109770	20	8 28.1	18.1
37951 1998 HE_{42}	14.9	X	152.79259	347.70068	150.22918	4.88477	0.1831968	0.23507184	2.6001734	20	7 31.6	19.1
37952 1998 HW_{45}	15.0	X	109.53406	229.47294	19.82999	3.54300	0.1792133	0.24024440	2.5627163	20	11 8.3	19.0
37953 1998 HX_{46}	15.2	X	223.05893	161.85123	172.85627	5.98650	0.0278693	0.22179199	2.7029550	20	3 21.4	19.0
37954 1998 HF_{47}	14.3	X	185.74758	295.60904	40.16320	13.78894	0.2186054	0.21507269	2.7589630	20	2 20.3	19.3
37955 1998 HK_{50}	14.9	X	186.61585	126.60720	177.67724	12.56141	0.1540042	0.20923491	2.8100451	20	1 6.7	19.7
37956 1998 HO_{53}	15.3	X	181.64449	10.38526	178.35826	2.17229	0.0903112	0.24377209	2.5379325	20	11 5.6	19.0
37957 1998 HJ_{54}	14.5	X	231.69502	78.66052	215.96359	8.27915	0.1237251	0.21622557	2.7491473	20	2 2.6	18.9
37958 1998 HR_{57}	15.3	X	183.65185	259.11449	227.51543	1.79034	0.1668556	0.23777548	2.5804256	20	8 14.3	19.4
37959 1998 HM_{62}	14.9	X	116.64296	122.53283	66.70396	2.84456	0.0285851	0.23501859	2.6005662	20	8 21.4	18.3
37960 1998 HP_{64}	15.5	X	63.18907	39.26784	202.96918	3.44357	0.1915793	0.23339544	2.6126093	20	9 13.6	19.1
37961 1998 HG_{71}	14.9	X	128.77316	230.66452	38.71525	17.45667	0.1523995	0.24461111	2.5321257	20	12 17.9	19.2
37962 1998 HW_{74}	14.7	X	193.53655	315.67278	197.43600	7.42641	0.1223402	0.24115265	2.5562776	20	9 30.0	18.4
37963 1998 HF_{79}	14.2	X	270.47419	166.53015	296.40861	3.53877	0.1251792	0.24466062	2.5317841	20	10 30.3	17.1
37964 1998 HR_{84}	14.4	X	25.40610	71.71827	201.91806	14.45549	0.0708128	0.23246192	2.6195991	20	8 10.7	17.9
37965 1998 HH_{89}	14.9	X	257.99945	53.74644	207.08219	8.82218	0.0654393	0.21534659	2.7566231	20	1 24.7	19.0
37966 1998 HO_{90}	13.3	X	197.70572	144.90261	201.74618	21.20533	0.0706469	0.17399521	3.1776875	20	3 6.5	18.4
37967 1998 HG_{93}	14.1	X	180.06663	120.10544	29.96768	13.16624	0.0789837	0.23799473	2.5788406	20	9 20.0	18.0
37968 1998 HB_{94}	14.7	X	139.56189	1.27024	224.82520	12.55201	0.1308688	0.24115955	2.5562289	20	11 6.9	18.8
37969 1998 HW_{97}	15.2	X	153.54059	331.81479	245.55407	6.91406	0.1454480	0.24200172	2.5502950	20	11 8.6	19.1
37970 1998 HG_{100}	14.3	X	119.07458	163.36611	52.47122	15.08991	0.0989404	0.23751062	2.5823436	20	10 9.5	18.3
37971 1998 HS_{102}	14.0	X	357.82921	300.14746	17.75163	2.30195	0.2138268	0.18602777	3.0391411	20	9 5.9	17.0
37972 1998 HJ_{105}	14.8	X	54.27437	129.21537	138.29948	5.65487	0.0795515	0.23624419	2.5915641	20	9 22.1	18.1
37973 1998 HG_{106}	14.2	X	161.37697	207.32554	113.74845	10.14987	0.1496598	0.21051457	2.7986458	20	1 4.1	18.5
37974 1998 HE_{115}	14.6	X	68.12684	136.65779	114.90460	12.92317	0.0870885	0.19138589	2.9821497	20	9 17.2	18.9
37975 1998 HB_{118}	14.6	X	240.61368	197.90003	120.10655	10.29492	0.1307342	0.21933470	2.7231056	20	3 16.3	18.9
37976 1998 HC_{118}	13.8	X	10.47194	171.18163	137.59740	10.33280	0.0431079	0.23546176	2.5973020	20	9 10.6	17.0
37977 1998 HC_{123}	13.0	X	195.97466	182.56969	204.57327	20.16501	0.1940748	0.17766771	3.1337455	20	4 24.2	18.2
37978 1998 HR_{124}	13.9	X	125.02223	261.40703	68.55104	18.53895	0.1756578	0.20419280	2.8561155	20	—	—
37979 1998 HG_{125}	13.9	X	40.74137	117.53527	177.01714	14.56229	0.1734717	0.23477687	2.6023508	20	10 25.1	17.3
37980 1998 HH_{126}	14.6	X	110.75824	139.45780	133.46989	13.89576	0.1421271	0.24155550	2.5534347	20	12 9.4	18.8
37981 1998 HD_{130}	14.4	X	1.22159	214.09920	189.19062	17.59934	0.1396752	0.20612665	2.8382237	20	12 31.9	18.3
37982 1998 HB_{132}	15.0	X	32.72876	313.39601	88.27594	5.66573	0.0284364	0.25277217	2.4773263	20	—	—
37983 1998 HB_{136}	14.3	X	56.43025	223.99754	145.68591	9.11651	0.1336448	0.25117048	2.4878469	20	—	—
37984 1998 HA_{138}	14.8	X	180.33627	139.04632	168.61469	9.38410	0.1457927	0.21132680	2.7914703	20	1 4.9	19.4
37985 1998 HF_{144}	15.1	X	310.23527	141.60190	145.49646	7.29906	0.0966601	0.22455252	2.6807569	20	5 3.8	18.5
37986 1998 HQ_{144}	15.0	X	349.13486	57.69144	213.54829	12.62494	0.2315899	0.22592825	2.6698633	20	6 6.6	17.3
37987 1998 HO_{145}	15.1	X	167.16703	47.65100	143.72908	4.05694	0.0931290	0.24107100	2.5568549	20	10 24.8	18.9
37988 1998 HB_{153}	14.8	X	169.14687	84.49919	140.81801	15.07075	0.0814195	0.24451270	2.5328051	20	12 10.5	18.7
37989 1998 HZ_{153}	14.4	X	65.88275	27.17412	77.60324	8.66164	0.0490677	0.21674365	2.7447647	20	2 27.2	18.1
37990 1998 KN_4	14.6	X	9.81500	175.65036	83.79069	10.97829	0.1763650	0.22660070	2.6645787	20	7 7.9	17.2
37991 1998 KZ_5	14.1	X	267.35513	131.44061	200.60839	2.55871	0.2649627	0.17028300	3.2237042	20	4 14.2	19.1
37992 1998 KP_6	14.2	X	279.69620	68.21435	211.66418	7.28917	0.0823307	0.21842670	2.7306471	20	3 11.5	18.2
37993 1998 KM_8	14.0	X	180.82813	93.49917	194.96144	8.90620	0.2058272	0.20527871	2.8460342	20	—	—
37994 1998 KV_{12}	14.0	X	151.63688	236.52840	227.72917	12.13222	0.1392436	0.22936858	2.6430990	20	6 15.9	18.2
37995 1998 KG_{24}	14.5	X	183.16472	34.75033	232.29333	14.46103	0.0953615	0.20518758	2.8468767	20	—	—
37996 1998 KE_{27}	14.1	X	228.01540	26.70278	105.68929	7.11916	0.1149169	0.24121114	2.5558644	20	10 17.5	17.7
37997 1998 KW_{30}	14.3	X	7.41097	291.56241	62.57787	10.00511	0.1526445	0.19207034	2.9750608	20	11 8.6	17.7
37998 1998 KF_{34}	15.7	X	103.29723	29.83581	177.01682	4.74962	0.1469691	0.23347308	2.6120301	20	9 7.6	19.7
37999 1998 KL_{34}	14.9	X	32.59106	127.23959	148.93674	5.41722	0.2082838	0.23096096	2.6309363	20	9 21.9	17.9
38000 1998 KK_{35}	13.5	X	55.58656	222.71259	68.30098	10.10922	0.0775951	0.19157656	2.9801706	20	10 19.0	17.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
38001 1998 KM_{37}	14.5	X	15.18923	168.46513	115.15007	3.86763	0.2477487	0.22897602	2.6461191	20	9 7.7	17.0
38002 1998 KO_{42}	14.9	X	148.50120	174.94639	73.19741	13.94523	0.1943634	0.24389783	2.5370601	20	12 10.6	19.1
38003 1998 KH_{44}	13.7	X	113.21436	47.62859	244.83796	11.76353	0.2100546	0.19672921	2.9279039	20	12 26.1	18.8
38004 1998 KJ_{47}	14.1	X	80.27363	31.84631	206.69995	4.27801	0.1257731	0.23279818	2.6170759	20	9 19.9	17.7
38005 1998 KM_{47}	12.6	X	172.33604	139.14165	231.51035	20.85898	0.0773774	0.16980910	3.2296993	20	3 5.7	17.9
38006 1998 KD_{48}	14.2	X	83.44791	142.82342	84.78466	13.55634	0.1083648	0.23167234	2.6255478	20	9 15.6	18.2
38007 1998 KS_{49}	14.8	X	60.51224	89.67067	159.77081	14.89066	0.1158562	0.23237400	2.6202598	20	9 10.0	18.1
38008 1998 KP_{50}	14.9	X	340.06242	64.73494	147.86686	12.87277	0.1109550	0.21862300	2.7290123	20	3 6.8	18.1
38009 1998 KV_{50}	14.2	X	60.28874	83.12924	193.84327	12.99396	0.1553691	0.23472130	2.6027615	20	10 22.5	17.7
38010 1998 KE_{51}	14.4	X	10.08214	7.03983	205.38451	12.96275	0.1034658	0.22197083	2.7015030	20	4 25.8	17.3
38011 1998 KL_{52}	13.9	X	234.93342	58.50425	209.14528	12.24300	0.1141266	0.21043055	2.7993908	20	1 6.7	18.5
38012 1998 KE_{54}	14.5	X	57.01079	141.69824	147.74216	16.11932	0.1651687	0.23506726	2.6002072	20	11 9.2	18.5
38013 1998 KY_{54}	14.2	X	36.07818	99.24997	99.02510	19.23213	0.1062303	0.22318224	2.6917184	20	5 25.8	17.6
38014 1998 KO_{61}	14.6	X	58.88940	83.09881	179.36695	13.01351	0.1264942	0.23237410	2.6202591	20	9 26.6	18.1
38015 1998 KX_{63}	14.3	X	223.23188	224.00753	73.25791	5.95021	0.0692970	0.21288996	2.7777891	20	2 4.5	18.4
38016 1998 KV_{65}	14.2	X	104.30887	89.25311	161.41254	17.58976	0.1827277	0.23797393	2.5789908	20	11 10.1	18.7
38017 1998 KW_{67}	14.6	X	291.36642	148.00050	168.01196	15.47255	0.1768816	0.22287406	2.6941992	20	5 4.3	18.4
38018 Louisneefs	14.2	X	237.88994	202.09387	173.83302	9.47442	0.1505900	0.17602533	3.1532079	20	5 21.7	19.2
38019 Jeanmariepelt	13.1	X	182.09759	212.65830	217.34674	15.33490	0.0888027	0.17712008	3.1402015	20	6 2.7	18.0
38020 Hannadam	13.9	X	344.25347	204.40581	85.22950	13.21134	0.1605646	0.18076729	3.0978198	20	6 25.2	17.3
38021 1998 MG_{1}	14.9	X	210.04970	114.14461	173.48006	4.16837	0.0767797	0.21032325	2.8003427	20	1 8.1	19.2
38022 1998 MS_{7}	14.5	X	209.65975	247.08828	134.83240	14.20828	0.1028703	0.17471466	3.1689580	20	5 7.5	19.7
38023 1998 MO_{39}	14.3	X	141.50770	202.29235	125.60650	12.87410	0.2042664	0.20017763	2.8941810	20	—	—
38024 1998 OB	14.4	X	321.38969	156.86235	171.91120	8.97626	0.1302624	0.18148559	3.0896405	20	7 9.6	18.4
38025 1998 QF	13.5	X	38.84368	255.70131	337.21815	8.17103	0.0988547	0.17391391	3.1786778	20	7 11.1	17.7
38026 1998 QC_{12}	13.6	X	170.98905	10.74477	288.70289	8.25681	0.0715243	0.24504848	2.5291119	20	—	—
38027 1998 QE_{14}	13.5	X	45.95978	146.76094	161.96440	11.90065	0.1324979	0.18511748	3.0490960	20	11 3.8	17.8
38028 1998 QC_{20}	14.0	X	18.39257	135.72966	167.91556	16.89993	0.3025465	0.18149280	3.0895586	20	10 12.8	17.5
38029 1998 QZ_{24}	12.9	X	141.05871	349.33975	154.12408	7.13590	0.1429334	0.17397011	3.1779932	20	7 22.7	18.0
38030 1998 QG_{33}	14.9	X	124.49342	50.08078	226.10182	3.34354	0.2468608	0.19189922	2.9768291	20	12 17.3	20.0
38031 1998 QN_{36}	13.2	X	256.24871	241.57820	165.00855	22.95474	0.1244983	0.17426682	3.1743849	20	7 19.0	18.2
38032 1998 QH_{43}	14.7	X	79.10026	199.63326	99.34149	3.33679	0.3001001	0.18816772	3.0160553	20	12 12.5	19.8
38033 1998 QN_{49}	13.5	X	6.32158	186.91513	78.37802	3.20431	0.1791560	0.17479018	3.1680452	20	7 5.4	16.9
38034 1998 QW_{57}	14.0	X	89.57629	106.27073	174.31912	10.80670	0.1183373	0.18502661	3.0500942	20	11 16.3	18.8
38035 1998 QC_{85}	13.8	X	27.00134	295.62922	317.46357	16.46428	0.1268243	0.17496902	3.1658861	20	7 23.9	17.7
38036 1998 RE_{1}	13.6	X	61.84314	312.05898	356.10777	17.08107	0.1666940	0.18632085	3.0359532	20	11 17.6	18.3
38037 1998 RS_{18}	14.7	X	20.11809	297.27337	348.14512	4.93698	0.1557811	0.17888910	3.1194651	20	8 27.3	18.4
38038 1998 RQ_{19}	13.8	X	343.16019	108.04325	189.67702	1.63662	0.1334462	0.17489814	3.1667413	20	7 5.4	17.5
38039 1998 RD_{24}	14.0	X	355.39166	87.86819	159.84434	1.77980	0.1476047	0.17192529	3.2031421	20	5 20.1	17.7
38040 1998 RW_{49}	13.4	X	339.26527	139.98247	165.96255	17.98189	0.1470523	0.17400563	3.1775606	20	7 8.3	17.5
38041 1998 RQ_{79}	13.7	X	1.26648	146.43796	135.56537	5.57315	0.1403070	0.17267568	3.1938555	20	7 16.6	17.4
38042 1998 SA_{10}	12.3	X	177.04665	131.51228	213.75128	34.33839	0.2095626	0.20394358	2.8584418	20	2 10.4	17.9
38043 1998 SB_{26}	13.8	X	348.70391	304.77641	28.44625	13.17957	0.2009837	0.22267940	2.6957691	20	9 21.1	16.4
38044 1998 SL_{62}	15.5	X	305.75337	254.30096	200.91318	20.86930	0.0981320	0.36676657	1.9329008	20	—	—
38045 1998 SM_{93}	14.0	X	33.23637	76.71483	181.71759	12.60470	0.1457664	0.17460116	3.1703312	20	8 7.4	18.2
38046 Krasnoyarsk	13.1	X	314.36027	297.12755	23.52662	3.00718	0.2120865	0.12473276	3.9671842	20	6 5.2	18.0
38047 1998 TC_{3}	14.6	X	181.65197	314.47222	277.62711	17.34474	0.0416640	0.36891395	1.9253928	20	—	—
38048 1998 UL_{18}	15.0	X	24.54457	219.75257	99.06189	25.26585	0.0737710	0.35786810	1.9648108	20	11 23.7	17.5
38049 1998 VY_{6}	16.0	X	207.45309	91.58033	39.64224	21.15114	0.0715965	0.35561901	1.9730863	20	10 17.6	18.2
38050 1998 VR_{38}	9.9	X	278.63665	192.24277	233.53983	28.54326	0.0770553	0.08312014	5.1999427	20	8 27.3	17.1
38051 1998 XJ_{5}	11.9	X	274.07840	25.16183	60.04849	8.74506	0.1857873	0.08376944	5.1730375	20	9 13.1	18.8
38052 1998 XA_{7}	12.7	X	289.85249	263.66620	147.69482	1.81115	0.0364641	0.08242577	5.2291050	20	9 8.4	19.4
38053 1998 XO_{62}	16.2	X	68.58260	105.63233	343.61400	20.27356	0.0531666	0.37578924	1.9018364	20	1 12.9	18.2
38054 1999 AG_{10}	14.9	X	179.71187	113.23172	299.09571	2.84839	0.2338311	0.29150750	2.2526976	20	5 7.3	18.7
38055 1999 AC_{24}	14.8	X	63.08027	355.63426	39.34723	21.04007	0.1123203	0.36630068	1.9345393	20	—	—
38056 1999 BZ_{10}	15.6	X	248.85788	3.07985	324.33615	2.06880	0.1828634	0.28633178	2.2797629	20	3 22.7	18.8
38057 1999 BO_{15}	13.2	X	256.13024	23.46440	338.17131	8.19601	0.2003461	0.24391023	2.5369741	20	5 11.4	17.1
38058 1999 CA_{35}	14.4	X	270.42638	301.61082	32.22715	3.65165	0.1573462	0.29103049	2.2551584	20	4 27.5	17.3
38059 1999 CO_{38}	15.1	X	313.50848	206.81852	127.33450	4.39462	0.1453923	0.29598500	2.2299215	20	7 10.6	16.7
38060 1999 CB_{61}	15.2	X	156.56822	344.21002	241.93371	2.36601	0.0944147	0.30731140	2.1747880	20	12 7.6	17.8
38061 1999 DJ_{1}	15.4	X	173.63780	56.88364	180.48832	22.04097	0.0338243	0.35772929	1.9653190	20	—	—
38062 1999 EC_{9}	15.8	X	251.75538	209.40154	115.08244	0.75290	0.2100943	0.28618196	2.2805585	20	3 20.6	19.4
38063 1999 FH	14.4	X	239.73175	108.40823	193.22881	11.88019	0.2934232	0.27497865	2.3420890	20	2 4.9	18.8
38064 1999 FZ_{10}	15.7	X	49.98901	307.26290	18.42574	5.21864	0.1925019	0.29992753	2.2103370	20	12 29.3	18.8
38065 1999 FK_{19}	15.2	X	262.07798	125.53561	85.00189	2.63220	0.0550742	0.31511057	2.1387535	20	—	—
38066 1999 FO_{19}	15.4	X	256.77813	344.56285	312.48514	3.67096	0.3524935	0.32197057	2.1082653	20	2 7.6	19.2
38067 1999 FO_{31}	13.1	X	190.64729	24.53003	21.43533	14.06482	0.1568781	0.23903451	2.5713566	20	5 7.4	17.4
38068 1999 FK_{32}	14.9	X	164.13934	263.31085	26.43740	12.12156	0.2816319	0.26196801	2.4190074	20	—	—
38069 1999 GN	15.2	X	277.63712	107.08003	197.35478	6.64144	0.1766773	0.28203827	2.3028413	20	3 24.2	18.2
38070 Redwine	15.2	X	173.29634	178.07374	124.75636	3.99913	0.2153993	0.31395733	2.1439878	20	—	—
38071 1999 GU_{3}	19.6	X	359.92615	8.84657	195.52209	12.72600	0.5065200	0.32610324	2.0904156	20	—	—
38072 1999 GO_{11}	15.7	X	182.65977	186.61203	179.48550	4.23041	0.1785750	0.27969032	2.3157114	20	3 12.3	19.1
38073 1999 GX_{11}	15.5	X	352.38492	146.11552	181.63878	2.00921	0.2334268	0.29024087	2.2592468	20	10 9.3	16.6
38074 1999 GX_{19}	15.1	X	82.35166	113.20264	180.82497	4.74856	0.2657598	0.29812950	2.2192152	20	12 23.5	18.9
38075 1999 GN_{21}	13.7	X	307.31892	46.93097	201.08511	6.11021	0.2426601	0.18211043	3.0825692	20	2 16.1	18.0
38076 1999 GA_{31}	15.9	X	41.03760	216.04848	87.45946	3.41688	0.1516267	0.29598116	2.2299408	20	11 13.8	18.6
38077 1999 GY_{31}	16.1	X	96.97155	117.62835	111.22258	3.52588	0.1227102	0.29510290	2.2343630	20	10 7.5	19.2
38078 1999 GW_{42}	15.0	X	304.93772	217.22385	99.33309	5.86479	0.2323208	0.28468714	2.2885346	20	5 11.9	17.3
38079 1999 HF	14.3	X	16.49598	2.86860	182.29309	24.13941	0.1918586	0.27820056	2.3239711	20	3 20.1	15.9
38080 1999 HN_{1}	15.5	X	124.40500	308.22681	7.62592	3.85350	0.1899906	0.30755253	2.1736511	20	—	—

Planet		H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
		m		°	°	°	°		°				
38081	1999 HC_{10}	15.1	X	10.32092	261.73834	28.97072	4.57211	0.1490828	0.24338239	2.5406409	20	8 28.1	17.7
38082	1999 HO_{11}	16.3	X	137.40210	251.80665	14.67045	2.66982	0.0988814	0.30483610	2.1865452	20	—	—
38083	Rhadamanthus	7.1	X	106.06895	80.17484	10.03741	12.76562	0.1505643	0.00404292	39.0246531	20	4 19.3	23.3
38084	1999 HB_{12}	7.0	X	0.97975	66.91314	166.50524	13.15348	0.4200538	0.00234242	56.1512078	20	5 19.1	22.2
38085	1999 HO_{12}	15.5	X	359.66575	194.83962	26.56861	25.25520	0.1404716	0.28058626	2.3107792	20	4 13.9	17.3
38086	Beowulf	17.4	X	105.04070	178.94011	165.32934	23.67091	0.5661828	0.58238061	1.4201409	20	—	—
38087	1999 JN	15.6	X	42.78780	102.23346	109.28219	2.66163	0.1018719	0.28465868	2.2886871	20	6 21.0	17.7
38088	1999 JS_{1}	15.1	X	286.51989	112.48592	198.43059	9.42425	0.1807951	0.28147146	2.3059319	20	4 13.6	17.8
38089	1999 JV_{1}	13.8	X	284.11747	302.67239	52.85039	14.32899	0.2001643	0.24159126	2.5531828	20	6 7.8	17.2
38090	1999 JN_{2}	15.2	X	355.38087	205.22512	119.19005	5.39650	0.1954673	0.29227630	2.2487456	20	10 8.4	16.9
38091	1999 JT_{3}	16.1	X	173.08154	225.06921	64.85079	9.33163	0.4011129	0.30827245	2.1702657	20	—	—
38092	1999 JF_{5}	16.0	X	359.09914	247.80435	30.33104	9.06138	0.1304357	0.28545892	2.2844078	20	7 19.8	18.2
38093	1999 JX_{6}	15.1	X	271.13233	226.03113	90.61253	8.03221	0.1414819	0.27919836	2.3184308	20	4 12.0	18.3
38094	1999 JM_{9}	16.0	X	146.70749	27.57164	202.49279	6.43056	0.0650778	0.30181981	2.2010887	20	12 2.6	18.9
38095	1999 JD_{10}	15.4	X	116.74102	198.39887	99.45124	7.53444	0.1977974	0.30265603	2.1970326	20	—	—
38096	1999 JF_{11}	15.5	X	188.83326	158.34043	152.32162	1.67951	0.1817497	0.26578070	2.3958176	20	1 11.3	19.4
38097	1999 JW_{11}	15.1	X	49.49766	70.89663	98.56917	22.55212	0.2320910	0.28160233	2.3052174	20	5 27.5	17.5
38098	1999 JO_{13}	15.2	X	168.51915	278.34049	100.67017	5.04315	0.1834888	0.27352384	2.3503864	20	3 19.2	18.9
38099	1999 JE_{14}	15.3	X	210.86670	322.76799	54.60119	7.42497	0.1465050	0.27892743	2.3199319	20	4 24.1	18.7
38100	1999 JM_{14}	15.9	X	317.48923	151.15933	171.71406	5.66148	0.1598526	0.28480355	2.2879110	20	6 26.9	18.0
38101	1999 JE_{15}	16.2	X	65.81206	253.82463	40.25691	7.01583	0.2003748	0.29613998	2.2291435	20	12 3.6	19.5
38102	1999 JM_{18}	15.8	X	61.65585	237.43162	4.28006	3.92935	0.1206559	0.29123423	2.2541066	20	9 9.7	18.3
38103	1999 JM_{19}	14.8	X	334.28984	341.15406	346.65250	3.21152	0.0833902	0.29039416	2.2584517	20	8 17.6	16.9
38104	1999 JL_{20}	15.7	X	9.34606	11.49319	234.45925	1.67942	0.1225519	0.28475152	2.2881896	20	6 13.9	17.5
38105	1999 JB_{21}	15.5	X	18.07660	29.14912	223.19346	4.97889	0.1409318	0.28633075	2.2797684	20	7 14.2	17.5
38106	1999 JG_{23}	15.5	X	265.01231	115.45954	199.25057	4.15670	0.2525836	0.27705474	2.3303742	20	3 16.2	19.1
38107	1999 JZ_{23}	15.5	X	343.67306	288.96999	32.69743	6.38097	0.1260695	0.28965736	2.2622799	20	8 30.3	17.4
38108	1999 JB_{24}	14.9	X	319.54997	177.48733	242.13951	2.73483	0.0627439	0.30152093	2.2025430	20	12 12.5	17.0
38109	1999 JQ_{24}	14.9	X	313.66686	292.65477	24.63208	8.64406	0.2516349	0.28319353	2.2965743	20	5 21.2	16.9
38110	1999 JH_{25}	14.9	X	214.07350	333.30542	7.72053	6.41161	0.1558910	0.27487525	2.3426763	20	3 11.1	18.6
38111	1999 JQ_{26}	15.5	X	358.32006	77.42479	214.93012	3.23204	0.2247694	0.28657901	2.2784515	20	8 16.8	16.9
38112	1999 JZ_{29}	15.7	X	338.99644	270.35411	27.64123	2.86160	0.1672101	0.28491342	2.2873227	20	7 3.9	17.2
38113	1999 JB_{30}	15.7	X	250.65408	85.92330	219.47307	6.22598	0.1451027	0.27536414	2.3399027	20	2 27.3	19.3
38114	1999 JO_{34}	16.1	X	61.34320	15.67039	290.69415	2.50351	0.1597207	0.29675864	2.2260443	20	12 11.7	19.1
38115	1999 JJ_{35}	16.3	X	153.22819	92.34488	68.33206	2.44188	0.0990192	0.29343630	2.2428152	20	9 5.6	19.4
38116	1999 JK_{35}	15.4	X	265.97166	225.75513	158.93852	0.84549	0.0838884	0.28845857	2.2685434	20	7 16.9	18.0
38117	1999 JH_{36}	14.7	X	297.07028	103.31699	211.36334	10.42303	0.1738043	0.23473672	2.6026475	20	5 7.4	17.9
38118	1999 JS_{36}	15.5	X	287.91194	46.44177	218.30117	5.02305	0.1476872	0.27517615	2.3409682	20	2 15.7	18.7
38119	1999 JN_{37}	14.6	X	104.90406	141.52535	235.32720	5.60104	0.1391976	0.26575121	2.3959949	20	—	—
38120	1999 JN_{39}	15.5	X	168.38414	283.75843	25.06868	2.83204	0.2031714	0.26337232	2.4104010	20	—	—
38121	1999 JO_{42}	15.3	X	248.07575	285.35264	49.63544	4.19066	0.2221756	0.27668236	2.3324646	20	3 31.4	19.0
38122	1999 JC_{43}	15.9	X	116.68159	12.11688	109.59359	3.19143	0.0805204	0.28318313	2.2966305	20	5 26.7	18.8
38123	1999 JD_{43}	15.4	X	286.96413	6.43487	280.59204	6.01776	0.0853353	0.27768383	2.3268532	20	3 22.9	18.4
38124	1999 JV_{43}	15.6	X	343.27493	296.84639	292.33798	4.17712	0.1458487	0.27854087	2.3220778	20	3 19.2	17.9
38125	1999 JG_{44}	14.0	X	105.29049	273.80072	38.72840	8.61914	0.1343903	0.25633674	2.4543066	20	—	—
38126	1999 JT_{44}	14.9	X	3.02595	306.75689	40.93041	6.10350	0.1494652	0.29425933	2.2386312	20	11 18.0	16.9
38127	1999 JL_{45}	15.3	X	236.05972	202.79669	215.95011	5.15469	0.0952061	0.28920583	2.2646340	20	7 21.2	18.2
38128	1999 JN_{45}	15.5	X	63.03528	40.44608	221.69053	5.10753	0.1387611	0.29220980	2.2490867	20	10 11.4	18.3
38129	1999 JV_{45}	15.4	X	105.90697	95.60430	190.70420	4.06024	0.2333045	0.29923299	2.2137559	20	12 31.1	19.1
38130	1999 JY_{45}	15.3	X	356.25505	203.46918	134.95796	4.17555	0.2198046	0.24434549	2.5339604	20	10 21.1	17.5
38131	1999 JR_{47}	15.7	X	160.60996	25.91012	296.83777	1.56128	0.1874187	0.26390560	2.4071527	20	1 1.1	19.4
38132	1999 JX_{47}	15.8	X	247.54670	153.18033	29.67733	4.24066	0.0443722	0.30706026	2.1759737	20	—	—
38133	1999 JY_{49}	16.2	X	269.92218	100.87477	184.51821	4.58897	0.1524881	0.27449176	2.3448578	20	2 22.8	19.4
38134	1999 JU_{51}	14.3	X	28.22172	352.18360	54.74791	6.47681	0.1083352	0.30683252	2.1770503	20	—	—
38135	1999 JB_{55}	15.6	X	342.98458	90.35981	228.90377	2.23855	0.1616892	0.28704870	2.2759654	20	8 20.1	17.1
38136	1999 JK_{55}	15.3	X	185.91251	208.43020	122.48164	4.89334	0.1519069	0.26822264	2.3812542	20	2 1.1	18.7
38137	1999 JH_{56}	16.2	X	166.79394	7.84334	165.44547	5.25878	0.0944098	0.29613763	2.2291553	20	10 8.7	19.1
38138	1999 JM_{56}	15.9	X	193.23281	193.00163	106.25098	2.42081	0.1794563	0.26550778	2.3974592	20	1 1.4	19.8
38139	1999 JH_{57}	15.0	X	149.55058	192.46475	124.37883	3.44430	0.2201327	0.26080720	2.4261799	20	—	—
38140	1999 JX_{58}	15.1	X	338.10487	247.70060	75.70226	7.35888	0.1456287	0.28692425	2.2766235	20	8 20.8	17.0
38141	1999 JN_{59}	15.1	X	328.10092	129.43097	149.48827	5.05912	0.1412054	0.28084850	2.3093405	20	5 12.4	17.2
38142	1999 JQ_{59}	15.2	X	5.63393	172.49831	110.24388	5.83223	0.1465984	0.28593487	2.2818721	20	8 11.1	16.9
38143	1999 JV_{60}	15.4	X	7.37355	163.15424	143.77506	2.99230	0.1478331	0.28862563	2.2676679	20	9 24.2	17.3
38144	1999 JD_{61}	15.0	X	352.55997	175.87249	152.00253	5.25751	0.2356766	0.24111759	2.5565254	20	9 25.9	16.9
38145	1999 JF_{61}	15.0	X	193.91366	105.57696	203.24333	6.09138	0.1452001	0.26626351	2.3929205	20	1 11.1	18.8
38146	1999 JK_{61}	15.2	X	293.52342	106.38897	210.23190	6.55845	0.1436630	0.28016127	2.3131155	20	5 8.3	17.9
38147	1999 JN_{62}	15.0	X	233.09532	64.11563	196.72997	5.70151	0.0933313	0.26651062	2.3914412	20	—	—
38148	1999 JU_{62}	15.7	X	29.44434	81.18558	160.34316	4.09705	0.0838022	0.28464812	2.2887437	20	7 11.3	18.0
38149	1999 JY_{62}	15.2	X	78.54274	23.42228	216.65904	5.31890	0.1544139	0.29113683	2.2546092	20	10 1.4	18.2
38150	1999 JX_{64}	15.5	X	126.86121	338.69610	191.44131	6.30284	0.1032455	0.28912845	2.2650380	20	8 15.9	18.7
38151	1999 JT_{65}	15.5	X	13.09537	147.09423	131.99828	1.21354	0.1655386	0.28860570	2.2677723	20	8 23.2	17.2
38152	1999 JY_{66}	15.0	X	302.13966	217.70383	99.43884	5.48408	0.1759830	0.28386253	2.2929645	20	5 17.9	17.4
38153	1999 JW_{67}	15.6	X	63.72419	218.68920	71.95252	6.07746	0.1856951	0.29590890	2.2303038	20	11 26.8	18.8
38154	1999 JU_{68}	15.4	X	263.26374	333.40654	67.67907	5.45938	0.0687991	0.29149235	2.2527756	20	8 11.9	17.9
38155	1999 JJ_{69}	15.3	X	351.35733	176.38856	132.02482	5.95064	0.2245165	0.28786336	2.2716694	20	8 30.9	16.4
38156	1999 JQ_{71}	15.0	X	253.88498	237.55571	95.73519	5.94712	0.1967183	0.27854707	2.3220433	20	4 7.5	18.5
38157	1999 JC_{72}	15.3	X	19.69621	214.22352	125.09693	5.18120	0.1801525	0.29580315	2.2308354	20	12 8.9	17.8
38158	1999 JS_{72}	15.6	X	143.47097	132.62639	129.29893	3.84474	0.1449547	0.25628171	2.4546579	20	12 26.5	19.5
38159	1999 JB_{73}	15.6	X	26.62141	49.60792	192.54567	6.93281	0.0651440	0.28598149	2.2816241	20	7 4.6	18.1
38160	1999 JG_{74}	15.4	X	335.13399	229.95978	127.34594	4.82368	0.1050926	0.29303693	2.2448525	20	10 8.9	17.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
38161 1999 JN_{74}	15.6	X	188.74753	30.72198	104.36450	6.46971	0.0350374	0.29350340	2.2424733	20	9 19.2	18.4
38162 1999 JB_{77}	15.2	X	323.51893	214.40723	129.52104	8.91799	0.0927802	0.29078454	2.2564299	20	8 23.4	17.2
38163 1999 JP_{77}	15.0	X	182.57576	123.32544	180.93291	7.76809	0.2938630	0.26312380	2.4119185	20	1 3.7	19.3
38164 1999 JB_{78}	15.6	X	92.06324	82.04449	139.61970	6.32451	0.2330259	0.29169475	2.2517334	20	10 2.3	19.1
38165 1999 JQ_{80}	14.5	X	269.87921	213.24312	113.37102	8.34331	0.1684496	0.27934123	2.3176402	20	4 20.4	17.8
38166 1999 JV_{84}	15.0	X	20.05799	228.50591	85.79755	5.24948	0.2408891	0.29191662	2.2505923	20	11 13.9	17.4
38167 1999 JU_{88}	15.3	X	345.45425	232.77081	117.42709	7.79065	0.1714338	0.29364680	2.2417432	20	10 27.3	17.2
38168 1999 JZ_{91}	14.4	X	2.07348	240.58277	111.34637	7.20506	0.2083213	0.29435369	2.2381528	20	12 4.8	16.6
38169 1999 JE_{98}	15.4	X	334.51223	214.98701	98.63565	9.51633	0.2019835	0.23851589	2.5750827	20	7 12.6	17.4
38170 1999 JR_{98}	14.2	X	143.00134	166.04734	160.68608	8.67583	0.1990354	0.21412781	2.7670733	20	—	—
38171 1999 JM_{103}	15.9	X	255.19444	333.40631	158.96866	5.61753	0.0158003	0.30202134	2.2001095	20	12 19.3	18.4
38172 1999 JR_{107}	15.5	X	46.46751	268.16487	71.20677	3.96990	0.1673066	0.29962021	2.2118482	20	—	—
38173 1999 JZ_{112}	15.8	X	243.08366	19.00033	293.83456	3.96412	0.2438579	0.27273279	2.3549290	20	2 24.6	19.7
38174 1999 JA_{113}	14.7	X	337.38282	10.78747	336.93366	5.28566	0.2546789	0.24250145	2.5467901	20	9 15.8	16.3
38175 1999 JQ_{118}	16.2	X	252.33697	159.14646	129.85699	3.01125	0.1978251	0.27168072	2.3610046	20	2 7.7	19.9
38176 1999 JR_{119}	15.1	X	103.85104	218.32246	111.90919	3.10090	0.1819605	0.25669235	2.4520393	20	—	—
38177 1999 JY_{120}	15.0	X	304.01752	168.30404	166.74160	3.65840	0.2405317	0.23553278	2.5967799	20	6 4.9	17.9
38178 1999 JA_{122}	15.3	X	31.76934	162.74435	107.57105	6.21912	0.1121387	0.24100752	2.5573038	20	8 30.1	18.3
38179 1999 JV_{122}	15.8	X	21.85497	183.87191	68.90291	3.42593	0.1424932	0.28454761	2.2892827	20	7 25.2	17.8
38180 1999 JR_{123}	15.5	X	73.89118	150.96231	120.52684	5.98679	0.1590704	0.29333854	2.2433135	20	11 11.4	18.7
38181 1999 JG_{124}	14.5	X	7.95189	61.82352	147.51569	23.89312	0.2884446	0.28079756	2.3096198	20	4 14.8	16.2
38182 1999 JG_{125}	16.7	X	46.08039	14.95679	206.39801	2.82387	0.1810366	0.28572838	2.2829713	20	7 25.5	19.0
38183 1999 JM_{125}	15.0	X	239.50194	29.55505	288.73482	1.86589	0.1788198	0.27309882	2.3528243	20	3 3.4	18.5
38184 1999 KF	15.2	X	249.95614	246.57471	96.14674	1.77603	0.2340375	0.27779686	2.3262220	20	4 10.3	18.9
38185 1999 KJ	16.3	X	187.65544	287.94051	107.17354	1.49009	0.1327039	0.27944013	2.3170934	20	4 23.4	19.6
38186 1999 KV	15.5	X	154.60467	100.28689	245.07799	1.13393	0.2406452	0.26549154	2.3975569	20	1 27.3	19.3
38187 1999 KH_{7}	15.1	X	147.81917	292.37892	101.64794	6.90143	0.1199632	0.27426884	2.3461282	20	3 13.5	18.4
38188 1999 KX_{11}	15.7	X	340.17902	333.21460	319.49373	2.65515	0.2006751	0.28299115	2.2976691	20	6 24.5	17.0
38189 1999 KT_{14}	14.8	X	255.72040	189.70902	99.12733	3.21984	0.1199713	0.27181709	2.3602149	20	2 17.6	18.2
38190 1999 KU_{14}	15.4	X	161.57705	157.75208	161.57892	3.15814	0.1694020	0.26216883	2.4177720	20	—	—
38191 1999 KF_{15}	15.7	X	176.70184	113.97272	115.27979	4.02932	0.0772085	0.30226886	2.1989082	20	—	—
38192 1999 LP_{6}	15.1	X	10.64172	282.80904	110.42788	2.79584	0.0806678	0.20888792	2.8131561	20	12 27.4	18.5
38193 1999 LB_{8}	15.5	X	317.36992	170.48782	144.09638	6.80616	0.2073877	0.28306586	2.2972648	20	6 6.1	17.5
38194 1999 LS_{13}	15.5	X	325.69293	51.02183	208.34669	6.34929	0.1460731	0.27727785	2.3291239	20	4 3.9	17.7
38195 1999 LD_{14}	14.7	X	332.73163	128.69757	209.47605	6.96485	0.2151846	0.23780475	2.5802138	20	8 13.8	16.9
38196 1999 LQ_{15}	14.7	X	181.99600	147.28826	165.06714	14.99391	0.2974626	0.26257854	2.4152563	20	1 12.5	19.2
38197 1999 LC_{19}	14.7	X	264.74390	136.92759	226.88249	9.83754	0.1376550	0.23506111	2.6002525	20	6 5.0	18.3
38198 1999 LM_{19}	14.8	X	112.31279	58.05544	268.09259	1.44094	0.1797815	0.25655621	2.4529067	20	—	—
38199 1999 LO_{24}	13.7	X	140.07091	263.47173	86.31230	11.38217	0.3054809	0.21357631	2.7718347	20	2 2.5	18.5
38200 1999 LR_{26}	14.6	X	275.89258	57.11051	232.00728	5.78892	0.1141619	0.27372538	2.3492325	20	3 8.6	17.9
38201 1999 LF_{27}	14.8	X	39.10370	45.82386	250.95236	12.91341	0.1673240	0.24301741	2.5431841	20	10 20.3	18.2
38202 1999 LM_{33}	14.9	X	128.68636	7.42367	267.17337	4.22731	0.1818408	0.30321544	2.1943295	20	—	—
38203 Sanner	14.3	X	49.08915	33.01074	285.88733	5.92193	0.1240857	0.24508659	2.5288497	20	11 27.8	17.7
38204 1999 MT	15.2	X	197.80965	57.55066	236.13196	1.65686	0.2313644	0.26220831	2.4175293	20	—	—
38205 1999 MH_{1}	13.9	X	245.43174	231.56825	114.02118	13.46051	0.2018686	0.22550228	2.6732245	20	4 20.3	18.4
38206 1999 ML_{1}	13.8	X	13.39908	11.29129	301.80968	12.96277	0.3172990	0.23852348	2.5750280	20	10 24.3	16.8
38207 1999 MM_{1}	14.9	X	239.46737	215.45000	80.69934	2.25966	0.1872769	0.26630454	2.3926748	20	2 6.8	18.7
38208 1999 MO_{1}	14.2	X	37.90965	187.70510	111.99905	15.87494	0.1740099	0.24002834	2.5642539	20	11 3.0	17.8
38209 1999 NE	15.9	X	36.33606	202.49321	48.77167	0.97386	0.0450985	0.23553605	2.5967559	20	7 28.7	19.2
38210 1999 NP_{4}	15.2	X	164.31389	152.02240	109.51412	7.91898	0.0912603	0.25342922	2.4730425	20	—	—
38211 1999 NV_{4}	15.0	X	236.85887	195.53687	139.42216	3.15875	0.2143973	0.22307945	2.6925452	20	3 24.6	19.4
38212 1999 NM_{5}	15.0	X	340.88014	41.13229	255.35169	4.52329	0.2311741	0.28104858	2.3082444	20	6 30.8	16.0
38213 1999 NU_{6}	14.5	X	280.68902	235.03724	131.84938	7.99941	0.0758024	0.23256233	2.6188451	20	7 10.4	17.7
38214 1999 NA_{8}	15.5	X	344.02081	86.49159	176.37155	1.19997	0.1870369	0.27736626	2.3286290	20	5 12.9	17.0
38215 1999 NX_{9}	14.6	X	109.24064	194.26443	131.77891	16.30746	0.1396986	0.20434827	2.8546667	20	—	—
38216 1999 NP_{10}	15.2	X	330.44897	295.18521	318.10005	2.95576	0.2095377	0.27453417	2.3446163	20	3 23.1	17.3
38217 1999 NB_{12}	15.0	X	92.41250	253.65512	138.84918	5.79427	0.1212219	0.21064276	2.7975103	20	1 8.7	18.6
38218 1999 NY_{13}	15.2	X	147.22994	2.82804	288.71814	6.73688	0.2398642	0.25550128	2.4596538	20	—	—
38219 1999 NW_{19}	14.5	X	36.98455	13.08796	289.75865	17.55774	0.2008465	0.24195075	2.5506532	20	10 26.9	18.2
38220 1999 NV_{23}	14.9	X	20.74737	189.65519	110.19914	8.69517	0.1876573	0.28636551	2.2795838	20	10 18.1	17.5
38221 1999 NB_{28}	14.8	X	305.55019	263.17465	77.71119	5.56593	0.1591799	0.23308791	2.6149068	20	6 29.6	17.8
38222 1999 NP_{31}	14.8	X	354.44006	211.96994	101.52581	3.50398	0.1240293	0.23670189	2.5882223	20	8 27.4	17.5
38223 1999 NG_{38}	14.8	X	349.11302	285.03618	353.61391	4.79403	0.1400710	0.27936200	2.3175253	20	6 24.9	16.7
38224 1999 NC_{41}	14.7	X	56.45457	201.26910	81.90438	1.66165	0.0992827	0.24077365	2.5589595	20	10 18.5	17.9
38225 1999 NT_{48}	14.2	X	191.79964	23.89049	273.19044	6.89616	0.1275906	0.26080341	2.4262034	20	—	—
38226 1999 NG_{50}	14.1	X	312.95195	29.01082	293.28499	12.77093	0.1787664	0.23151313	2.6267513	20	6 12.4	17.0
38227 1999 NJ_{50}	14.5	X	307.27186	2.83709	294.96536	12.66269	0.1581446	0.22849128	2.6498602	20	4 25.8	18.1
38228 1999 NH_{52}	14.9	X	17.07432	62.49063	219.17623	12.43889	0.1498553	0.23640655	2.5903774	20	8 18.2	18.1
38229 1999 NG_{53}	14.2	X	358.95569	58.02531	250.77990	12.45673	0.1875800	0.23620772	2.5918309	20	8 25.3	17.0
38230 1999 NP_{53}	15.2	X	302.47481	56.04874	218.23222	14.10411	0.1070961	0.22483090	2.6785436	20	3 28.9	18.9
38231 1999 NF_{54}	13.6	X	230.57485	129.15624	253.43694	13.26634	0.1079277	0.17924976	3.1152794	20	5 24.1	18.3
38232 1999 NW_{55}	14.6	X	328.98139	41.69383	264.18349	11.76887	0.1375471	0.23081680	2.6320316	20	6 23.3	17.2
38233 1999 NS_{57}	14.4	X	305.23110	132.13412	188.13695	7.86675	0.1621179	0.27992723	2.3144046	20	5 30.5	16.9
38234 1999 NA_{59}	14.3	X	90.03265	200.38172	182.79390	12.09359	0.2056312	0.20985285	2.8045260	20	1 5.3	18.0
38235 1999 NJ_{63}	14.7	X	106.04527	214.18230	172.00130	2.34883	0.0548857	0.26123896	2.4235059	20	—	—
38236 1999 NC_{64}	14.9	X	300.38893	206.57199	57.47751	7.21538	0.0944123	0.27027318	2.3691946	20	3 16.7	17.9
38237 Roche	15.6	X	309.92130	295.62679	290.82365	1.49851	0.1624012	0.26866056	2.3786659	20	1 24.2	18.5
38238 Holíč	15.0	X	357.54889	172.22728	162.76792	6.50923	0.3171866	0.23823605	2.5770987	20	11 2.5	17.0
38239 1999 OR_{3}	18.2	X	86.85756	28.08541	199.95897	9.44070	0.5759329	0.33957755	2.0347454	20	10 27.6	22.6
38240 1999 PB_{1}	15.6	X	30.92960	209.22979	138.92538	3.92432	0.2279298	0.24011120	2.5636640	20	12 27.1	18.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
38241 1999 PU_1	13.9	X	296.40161	55.10968	345.80173	9.72000	0.0550697	0.18882454	3.0090571	20	9 15.0	17.9
38242 1999 PB_2	14.6	X	334.11009	300.30013	21.01090	2.31957	0.0264086	0.23139402	2.6276527	20	8 2.2	17.8
38243 1999 PB_4	14.5	X	252.05046	245.71703	107.55281	3.04608	0.2206925	0.17643570	3.1483167	20	4 30.6	19.6
38244 1999 PD_4	14.5	X	147.69882	263.20211	124.52598	5.82836	0.0996426	0.21405745	2.7676796	20	3 7.3	18.6
38245 Marcospontes	14.8	X	36.03183	44.11426	341.14506	1.33862	0.0783547	0.20005631	2.8953509	20	—	—
38246 Palupin	14.7	X	15.50696	342.61845	297.02045	8.97710	0.0675274	0.23396991	2.6083311	20	8 6.5	17.9
38247 1999 QE	15.3	X	40.58520	82.74479	125.94250	4.44318	0.1735898	0.27674456	2.3321151	20	6 24.2	17.4
38248 1999 QX	15.1	X	358.18092	231.32112	331.65719	4.13943	0.0929254	0.22003107	2.7173570	20	3 21.6	18.4
38249 1999 QJ_2	14.7	X	309.21153	124.80369	164.04498	13.98680	0.2397604	0.22575149	2.6712568	20	4 12.1	18.1
38250 Tartois	14.6	X	252.69934	213.87228	123.06066	2.34975	0.1921479	0.17538416	3.1608882	20	4 14.4	19.5
38251 1999 RY	15.2	X	18.10999	76.98898	193.50974	4.39797	0.2356994	0.23515943	2.5995277	20	8 20.3	17.6
38252 1999 RM_6	14.5	X	121.43768	321.98351	139.57678	1.33767	0.1489318	0.17098533	3.2148704	20	5 14.8	19.4
38253 1999 RM_9	14.8	X	314.80714	75.72057	0.78570	1.52359	0.0579688	0.19506429	2.9445406	20	11 27.0	18.4
38254 1999 RV_9	16.0	X	305.22959	0.92715	320.23530	1.45113	0.0545771	0.22998878	2.6383452	20	6 15.9	19.3
38255 1999 RH_{10}	14.9	X	20.99194	290.58081	22.90037	3.38286	0.1895955	0.23941212	2.5686522	20	10 22.3	17.7
38256 1999 RH_{12}	14.7	X	348.48260	16.44930	318.13015	4.03972	0.1978670	0.23562136	2.5961291	20	9 17.9	17.0
38257 1999 RC_{13}	12.1	X	316.26866	122.82533	160.45588	14.82697	0.1201530	0.08283117	5.2120294	20	5 10.6	18.8
38258 1999 RD_{14}	14.6	X	354.04348	333.08720	349.58297	8.38451	0.0222382	0.18695511	3.0290829	20	8 28.0	18.7
38259 1999 RR_{14}	13.3	X	174.55655	250.50724	179.55028	17.87139	0.1541496	0.17442981	3.1724071	20	5 28.6	18.8
38260 1999 RK_{15}	14.7	X	301.58790	325.09672	5.00324	6.74091	0.1731484	0.22899910	2.6459412	20	6 3.3	17.9
38261 1999 RY_{16}	13.8	X	11.77838	108.39077	201.64648	6.18352	0.0141113	0.18684865	3.0302334	20	8 31.7	18.0
38262 1999 RB_{20}	14.7	X	217.86139	85.40483	295.54858	4.04911	0.1640434	0.17392672	3.1785217	20	5 4.6	19.9
38263 1999 RC_{20}	13.8	X	167.15587	215.38369	210.99451	5.28283	0.1193878	0.17227581	3.1987958	20	5 15.1	18.8
38264 1999 RC_{22}	13.5	X	82.62631	306.22931	163.71435	9.94836	0.1230751	0.21446727	2.7641527	20	4 6.0	17.1
38265 1999 RT_{22}	14.0	X	256.96157	147.66313	198.59905	8.82167	0.0971214	0.17534641	3.1613419	20	5 10.9	18.7
38266 1999 RH_{23}	13.7	X	64.36615	338.30685	38.08711	2.46324	0.0827614	0.20078357	2.8883552	20	—	—
38267 1999 RB_{26}	14.4	X	71.93706	263.91061	56.76611	2.84689	0.0990323	0.19508525	2.9443296	20	12 12.7	18.7
38268 Zenkert	14.9	X	89.58231	98.29028	8.47189	4.89812	0.0752417	0.21637246	2.7479030	20	4 1.4	18.3
38269 Gueymard	14.9	X	317.49576	48.14319	348.05984	10.40382	0.0256561	0.19098784	2.9862918	20	10 8.2	18.9
38270 Wettzell	14.9	X	83.62069	318.15214	319.98953	14.55086	0.2520971	0.24180399	2.5516851	20	11 23.2	19.4
38271 1999 RW_{35}	15.0	X	135.23201	339.30256	8.31244	2.13650	0.0758968	0.20533946	2.8454728	20	1 1.6	19.1
38272 1999 RW_{41}	13.6	X	119.89927	325.60031	19.89426	2.12277	0.0676079	0.20587721	2.8405157	20	—	—
38273 1999 RN_{42}	14.1	X	46.73909	240.78180	63.40349	10.68972	0.1080524	0.18809390	3.0168444	20	10 26.9	18.3
38274 1999 RR_{44}	14.5	X	335.15265	135.57372	180.32898	8.13972	0.1526383	0.18144232	3.0901317	20	7 14.1	18.1
38275 1999 RH_{48}	15.3	X	5.84483	127.12262	185.57068	4.28720	0.1867253	0.23740588	2.5831031	20	9 22.8	17.7
38276 1999 RH_{49}	13.0	X	6.35850	13.93548	136.20054	22.45312	0.0258199	0.16846966	3.2467953	20	2 6.1	17.4
38277 1999 RP_{49}	14.4	X	288.81023	16.81715	353.36106	3.90758	0.3077174	0.18308762	3.0715910	20	6 17.4	18.7
38278 1999 RD_{51}	15.1	X	173.11675	134.49160	144.00516	5.17728	0.1655956	0.25569839	2.4583896	20	—	—
38279 1999 RU_{51}	15.0	X	63.48376	128.49520	169.55205	15.14620	0.0973216	0.24264074	2.5458154	20	11 18.2	18.8
38280 1999 RO_{52}	14.8	X	45.17959	273.70616	3.46352	7.18207	0.1896056	0.23894070	2.5720296	20	10 7.5	18.2
38281 1999 RP_{52}	14.3	X	240.84450	13.37088	347.51383	12.97481	0.1789329	0.22504921	2.6768111	20	4 25.1	18.7
38282 1999 RM_{56}	14.9	X	69.49789	268.12571	147.49967	6.39097	0.0702051	0.20933489	2.8091503	20	—	—
38283 1999 RK_{59}	14.8	X	94.27008	53.41185	155.28772	6.78762	0.0282136	0.23354995	2.6114569	20	8 16.3	18.3
38284 1999 RD_{60}	14.9	X	211.60249	137.08465	153.07220	6.52687	0.0819055	0.21389073	2.7691176	20	1 12.2	19.1
38285 1999 RS_{61}	14.8	X	37.29249	188.32524	188.71087	1.77547	0.0723080	0.19980536	2.8977748	20	—	—
38286 1999 RP_{62}	15.5	X	234.67978	240.37680	39.90142	1.66917	0.1711254	0.26320932	2.4113960	20	1 14.9	19.2
38287 1999 RQ_{64}	14.3	X	157.72686	345.86990	22.97465	5.49686	0.0794141	0.21463855	2.7626820	20	2 22.5	18.3
38288 1999 RZ_{68}	14.6	X	316.34270	55.52422	6.26092	10.19551	0.1244179	0.19335158	2.9619034	20	11 4.5	18.2
38289 1999 RM_{70}	15.2	X	262.86988	20.25309	235.23258	4.11391	0.0974473	0.21451866	2.7637112	20	1 21.9	19.4
38290 1999 RY_{71}	14.2	X	345.57750	4.85479	1.51371	9.60737	0.0820346	0.19065344	2.9897827	20	10 10.9	17.9
38291 1999 RG_{74}	14.1	X	356.18248	304.86953	57.11646	2.63652	0.0737207	0.19135484	2.9824722	20	10 23.5	17.8
38292 1999 RA_{77}	13.8	X	196.47874	308.75769	106.62240	4.83855	0.2640608	0.12599494	3.9406450	20	5 26.8	20.5
38293 1999 RK_{85}	14.7	X	223.69132	292.03611	141.83758	3.45438	0.0947513	0.18039902	3.1020343	20	7 21.1	19.2
38294 1999 RM_{85}	13.9	X	81.94485	317.99140	60.35863	2.66189	0.0705025	0.20389134	2.8589300	20	—	—
38295 1999 RA_{87}	13.9	X	84.61170	346.00256	34.26326	2.23365	0.0860558	0.20427415	2.8553572	20	—	—
38296 1999 RD_{87}	14.3	X	87.96155	328.93947	21.56306	2.26619	0.0611754	0.20124391	2.8839488	20	—	—
38297 1999 RE_{87}	14.7	X	265.93333	169.45113	176.50169	1.96373	0.1519273	0.17698784	3.1417654	20	5 13.1	19.2
38298 1999 RD_{88}	14.3	X	292.78206	298.85740	1.26538	15.02140	0.1211600	0.22304497	2.6928227	20	4 15.0	18.0
38299 1999 RK_{88}	14.2	X	136.61311	4.47789	279.16203	0.87198	0.0324456	0.19885693	2.9069812	20	—	—
38300 1999 RF_{90}	14.1	X	297.53093	43.09230	25.46120	8.83748	0.0705459	0.19073176	2.9889642	20	10 21.5	17.9
38301 1999 RH_{92}	13.8	X	60.42613	357.81103	334.05161	1.38535	0.0228807	0.19457645	2.9494601	20	12 2.9	17.9
38302 1999 RL_{92}	14.7	X	41.17611	169.13730	186.04350	1.78469	0.1128802	0.19495629	2.9456279	20	12 20.8	18.7
38303 1999 RB_{93}	14.1	X	299.61974	321.85417	54.37219	2.90890	0.1876443	0.18291547	3.0735180	20	8 1.3	17.8
38304 1999 RJ_{93}	14.1	X	348.72014	341.85352	116.51203	3.16504	0.0333290	0.20120722	2.8842995	20	—	—
38305 1999 RM_{96}	13.9	X	256.57376	271.90439	102.43369	2.27658	0.1859021	0.17715330	3.1398090	20	6 2.5	18.6
38306 1999 RB_{99}	13.8	X	241.24319	190.47082	168.29564	12.55263	0.1563791	0.17335175	3.1855461	20	5 4.9	18.9
38307 1999 RM_{102}	14.9	X	229.30525	18.79305	222.72703	7.85433	0.2494700	0.25906609	2.4370382	20	—	—
38308 1999 RY_{102}	14.5	X	222.74123	143.27832	186.98945	12.98490	0.2035176	0.21880304	2.7275150	20	3 5.4	19.1
38309 1999 RP_{103}	14.3	X	299.95298	316.95555	190.04421	12.99262	0.0343860	0.20383870	2.8594222	20	—	—
38310 1999 RH_{105}	14.1	X	258.72766	289.71340	46.53733	3.26602	0.0724239	0.22061122	2.7125910	20	5 1.0	17.6
38311 1999 RV_{106}	14.1	X	338.40869	51.71279	221.61186	16.64597	0.0724479	0.17721315	3.1391019	20	5 29.5	18.3
38312 1999 RO_{107}	14.0	X	225.77383	139.48694	247.39403	8.48123	0.0938524	0.17516029	3.1635809	20	5 25.8	18.7
38313 1999 RV_{111}	14.0	X	250.81261	170.66703	184.06333	17.40056	0.1478040	0.17932564	3.1144005	20	5 9.9	18.9
38314 1999 RR_{112}	14.9	X	307.15912	78.32652	190.93787	6.23669	0.1922361	0.27311544	2.3527289	20	3 12.2	17.5
38315 1999 RS_{112}	14.4	X	234.88814	204.19644	170.10840	11.08836	0.2278463	0.17797497	3.1301376	20	5 11.3	19.7
38316 1999 RB_{113}	15.0	X	79.62362	98.89394	158.70192	12.56699	0.1326511	0.24022360	2.5628643	20	10 20.4	18.8
38317 1999 RJ_{115}	14.3	X	132.25799	157.47426	149.34509	6.91193	0.0879586	0.25203176	2.4821758	20	—	—
38318 1999 RM_{116}	14.1	X	166.65290	33.13487	267.86645	9.57776	0.1675952	0.20951327	2.8075556	20	—	—
38319 1999 RG_{117}	14.7	X	242.09977	175.39024	167.90230	13.47272	0.1581078	0.22378422	2.6868891	20	4 14.5	18.9
38320 1999 RT_{120}	14.2	X	206.12111	177.02298	175.05961	12.36994	0.1942744	0.17212643	3.2006462	20	3 22.8	19.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
38321 1999 RQ_{121}	14.8	X	96.81170	311.23664	329.66969	8.69649	0.0675096	0.24469324	2.5315591	20	11 26.9	18.6
38322 1999 RU_{126}	15.2	X	196.61887	65.84752	202.40016	8.85998	0.2455357	0.25819220	2.4425341	20	—	—
38323 1999 RB_{127}	14.0	X	212.17686	207.16239	197.15853	13.84737	0.0847474	0.22623167	2.6674755	20	6 3.5	18.1
38324 1999 RA_{128}	15.1	X	304.99004	136.09669	181.70794	1.67460	0.0819155	0.22890003	2.6467047	20	6 7.2	18.4
38325 1999 RD_{128}	15.1	X	197.72369	197.46386	155.63787	2.43923	0.0944668	0.21865011	2.7287867	20	3 14.5	19.1
38326 1999 RU_{128}	14.0	X	68.46096	149.38734	163.65380	17.55221	0.1171915	0.19696702	2.9255467	20	12 5.0	18.6
38327 1999 RX_{128}	15.2	X	333.90858	74.50984	183.37239	4.31338	0.1574924	0.27405779	2.3473325	20	4 17.2	17.3
38328 1999 RZ_{128}	15.4	X	244.46733	23.31246	228.97286	1.94265	0.1806174	0.26188210	2.4195364	20	—	—
38329 1999 RO_{129}	14.7	X	62.19310	333.43027	352.92881	2.01307	0.0968666	0.19785844	2.9167531	20	12 8.9	18.8
38330 1999 RN_{130}	14.7	X	208.90610	89.10037	179.87503	2.41755	0.1685968	0.25869703	2.4393555	20	—	—
38331 1999 RT_{130}	15.0	X	272.93338	163.59053	167.55205	12.14057	0.1873899	0.22598024	2.6694538	20	4 28.8	19.0
38332 1999 RF_{131}	14.4	X	182.40602	126.41060	208.51443	8.37800	0.1686298	0.21414206	2.7669506	20	2 6.2	19.1
38333 1999 RE_{132}	13.9	X	73.67096	211.22277	241.97624	4.45255	0.0657359	0.21466174	2.7624831	20	2 19.0	17.6
38334 1999 RK_{133}	14.2	X	255.68000	139.97707	188.95439	16.32188	0.1295988	0.17579581	3.1559518	20	4 14.4	18.9
38335 1999 RN_{134}	14.4	X	192.39054	18.52145	293.68433	5.29504	0.1396611	0.26033777	2.4290955	20	1 15.4	18.0
38336 1999 RZ_{134}	15.5	X	325.74042	302.69622	324.82337	5.43287	0.2037077	0.27440833	2.3453331	20	4 4.7	17.8
38337 1999 RP_{136}	13.7	X	79.11071	78.05805	336.03446	14.43595	0.1187882	0.20912747	2.8110074	20	1 21.3	17.4
38338 1999 RA_{137}	15.0	X	10.59075	141.71155	176.97130	4.03338	0.2578075	0.23781657	2.5801283	20	10 24.1	17.5
38339 1999 RH_{137}	14.4	X	13.71949	137.59411	164.05507	15.04963	0.1232866	0.23576862	2.5950479	20	9 13.2	17.2
38340 1999 RO_{137}	14.5	X	63.26060	121.49288	282.12475	0.96535	0.0745574	0.20631635	2.8364836	20	—	—
38341 1999 RB_{139}	15.2	X	247.61821	31.75076	209.66586	3.89922	0.1569618	0.26070113	2.4268379	20	—	—
38342 1999 RT_{139}	14.9	X	302.59055	358.33962	311.77726	3.71884	0.0934880	0.22744793	2.6579577	20	5 20.7	18.4
38343 1999 RG_{140}	14.9	X	189.77477	338.00705	267.12553	5.57569	0.1567587	0.25274382	2.4775116	20	—	—
38344 1999 RS_{140}	14.7	X	204.05220	187.98691	159.83241	3.37262	0.0974350	0.21835779	2.7312215	20	3 14.4	18.7
38345 1999 RO_{141}	14.8	X	254.71549	315.67774	310.76261	5.50034	0.1039927	0.26390821	2.4071369	20	1 20.7	18.3
38346 1999 RL_{143}	14.4	X	54.22077	93.67654	176.09106	8.54339	0.0834515	0.23424831	2.6062640	20	9 23.8	17.7
38347 1999 RS_{143}	14.1	X	286.50435	153.16108	186.82640	10.36209	0.1194114	0.17889929	3.1193467	20	6 5.1	18.5
38348 1999 RQ_{145}	14.5	X	277.42153	23.54364	274.76222	4.24945	0.1035492	0.22242372	2.6978346	20	3 28.9	18.4
38349 1999 RJ_{149}	14.0	X	331.38121	236.11618	155.41699	11.00514	0.1509304	0.19194224	2.9763843	20	10 27.7	17.7
38350 1999 RS_{149}	14.3	X	55.75123	290.38797	171.39587	3.80602	0.0275619	0.21338132	2.7735231	20	2 3.1	17.9
38351 1999 RQ_{150}	14.8	X	186.85115	345.20688	356.41985	6.11349	0.1052211	0.21521571	2.7577406	20	2 20.2	19.1
38352 1999 RF_{151}	14.5	X	328.90745	191.56977	147.22362	14.74767	0.1115001	0.23345908	2.6121345	20	8 14.1	17.3
38353 1999 RL_{151}	15.0	X	355.74871	169.56088	129.88539	5.19161	0.1200338	0.23284960	2.6166906	20	8 6.5	17.7
38354 1999 RM_{151}	15.2	X	41.24461	286.13500	15.39084	3.58292	0.1057695	0.23915243	2.5705113	20	10 22.2	18.4
38355 1999 RB_{152}	14.6	X	155.86983	146.06269	150.56580	6.71271	0.2680288	0.25487727	2.4636669	20	—	—
38356 1999 RS_{152}	14.0	X	251.50634	219.64077	183.22167	11.03889	0.0557834	0.18256991	3.0773950	20	7 17.8	18.6
38357 1999 RE_{154}	13.9	X	297.08571	12.88441	334.52579	14.22453	0.1235647	0.22974229	2.6402320	20	7 3.0	17.3
38358 1999 RG_{154}	13.9	X	65.38962	269.42100	212.68459	3.47190	0.0244942	0.21705128	2.7421707	20	3 11.7	17.7
38359 1999 RJ_{154}	15.0	X	19.31298	135.23370	171.41644	12.22808	0.1964592	0.23727047	2.5840858	20	10 13.3	17.8
38360 1999 RM_{154}	15.0	X	230.44887	335.16605	289.91011	2.06525	0.1567067	0.26021518	2.4298584	20	—	—
38361 1999 RY_{154}	14.0	X	139.31508	318.89244	177.99811	9.97530	0.0412698	0.18039543	3.1020755	20	7 6.4	18.7
38362 1999 RW_{155}	14.4	X	34.22188	109.59473	187.22476	11.81869	0.0802831	0.18927099	3.0043234	20	9 23.4	18.4
38363 1999 RS_{156}	14.5	X	39.41687	145.05482	173.89584	12.29520	0.1414430	0.19274863	2.9680772	20	11 10.3	18.6
38364 1999 RT_{157}	14.1	X	176.91247	293.51389	108.62438	6.26307	0.1581203	0.17201850	3.2019849	20	4 27.9	19.4
38365 1999 RE_{158}	14.2	X	182.05269	316.35357	86.32325	2.55837	0.1925486	0.17217521	3.2000417	20	5 1.4	19.5
38366 1999 RF_{158}	14.7	X	72.18919	266.15750	102.79920	3.16271	0.0847039	0.20257498	2.8713018	20	—	—
38367 1999 RZ_{162}	14.0	X	294.57170	104.28409	204.24096	6.93473	0.1223969	0.17792962	3.1306694	20	5 5.8	18.2
38368 1999 RQ_{164}	13.8	X	31.13342	292.43620	335.23042	14.83263	0.0901675	0.23253220	2.6190712	20	8 20.2	16.8
38369 1999 RX_{164}	14.5	X	180.81149	201.42625	192.45578	9.54609	0.0967341	0.17149531	3.2084939	20	4 19.3	19.5
38370 1999 RB_{165}	14.7	X	29.15244	328.58702	190.77754	9.33958	0.0508285	0.21667182	2.7453713	20	3 11.8	18.3
38371 1999 RO_{167}	13.6	X	312.09685	37.98794	15.54257	9.81134	0.1017368	0.19144010	2.9815867	20	10 20.5	17.2
38372 1999 RK_{168}	14.5	X	238.93259	344.61795	4.73775	4.55634	0.1759827	0.22214320	2.7001053	20	4 13.8	18.7
38373 1999 RG_{172}	14.1	X	147.21987	279.39687	101.93614	3.74476	0.0905190	0.21356694	2.7719158	20	2 26.7	18.1
38374 1999 RY_{172}	13.6	X	101.12590	24.58583	151.18779	22.44438	0.0079027	0.22831444	2.6512283	20	7 8.9	17.6
38375 1999 RC_{173}	14.8	X	165.39512	242.78374	51.00199	7.19287	0.1191723	0.25398968	2.4694032	20	—	—
38376 1999 RH_{174}	14.9	X	48.36000	249.83920	24.50414	3.35349	0.0945234	0.23574228	2.5952412	20	9 24.4	18.2
38377 1999 RM_{174}	15.0	X	107.49707	130.01709	153.08841	8.42743	0.2136861	0.19846013	2.9108548	20	12 13.1	20.0
38378 1999 RK_{175}	14.4	X	238.05049	151.91866	194.07513	1.47150	0.1810733	0.17389704	3.1788834	20	4 11.6	19.3
38379 1999 RQ_{175}	15.2	X	106.13791	93.08178	178.30922	7.13828	0.1110362	0.24298464	2.5434127	20	11 30.6	19.1
38380 1999 RR_{175}	13.9	X	67.06800	228.59209	348.69305	14.39220	0.0450403	0.22917904	2.6445561	20	7 29.7	17.6
38381 1999 RV_{175}	15.2	X	32.65185	114.02188	188.35111	4.63122	0.3003292	0.23902740	2.5714076	20	11 12.2	18.5
38382 1999 RZ_{175}	14.2	X	293.23658	199.30840	182.06318	12.10174	0.1622495	0.18345463	3.0674932	20	7 29.5	18.4
38383 1999 RF_{176}	14.4	X	22.93947	119.53271	184.36304	11.66052	0.0093330	0.23455855	2.6039653	20	9 14.5	17.8
38384 1999 RX_{180}	14.5	X	45.49866	246.11142	87.06482	3.10346	0.0993679	0.19426157	2.9526465	20	11 27.4	18.4
38385 1999 RT_{181}	14.6	X	190.50546	175.85062	153.57907	4.89883	0.0982774	0.21285155	2.7781232	20	2 7.4	18.9
38386 1999 RH_{182}	14.4	X	14.08412	188.39091	173.00444	11.15283	0.0974564	0.19287709	2.9667591	20	11 22.2	18.4
38387 1999 RB_{184}	14.3	X	309.33367	30.02716	72.85793	3.07627	0.0586942	0.19728605	2.9223919	20	12 23.3	18.0
38388 1999 RG_{186}	15.1	X	102.16257	122.38337	124.92806	7.34726	0.0893831	0.23978642	2.5659784	20	10 27.5	18.9
38389 1999 RJ_{187}	14.8	X	202.28005	213.94965	108.19010	7.00826	0.0992934	0.21415858	2.7668083	20	2 11.9	19.0
38390 1999 RO_{187}	14.2	X	79.03274	305.00054	94.81912	3.46195	0.0159946	0.20722662	2.8281711	20	—	—
38391 1999 RD_{188}	14.8	X	62.06188	269.77192	117.93651	3.26197	0.0569471	0.20287431	2.8684768	20	—	—
38392 1999 RQ_{189}	14.2	X	248.15929	329.81661	116.08045	4.66958	0.0724845	0.18671919	3.0316338	20	9 8.5	18.4
38393 1999 RD_{191}	15.1	X	264.20390	323.56856	303.78992	11.28596	0.1082373	0.21657298	2.7462066	20	2 5.2	19.1
38394 1999 RY_{192}	14.5	X	266.74100	206.16812	101.74611	2.92707	0.1869619	0.17521534	3.1629182	20	3 25.6	19.3
38395 1999 RR_{193}	13.3	X	24.23388	255.57985	167.04167	10.32532	0.0730341	0.15003931	3.5075135	20	—	—
38396 1999 RU_{193}	14.0	X	272.32744	9.21572	333.24330	13.07658	0.1537366	0.17764722	3.1339864	20	5 10.4	18.9
38397 1999 RY_{193}	13.6	X	269.30280	90.53395	272.37667	4.83883	0.1474861	0.17871540	3.1214860	20	6 7.3	18.1
38398 1999 RC_{195}	13.6	X	249.16113	136.40478	250.37649	7.87248	0.1417367	0.17893205	3.1189659	20	6 15.0	18.2
38399 1999 RO_{196}	13.9	X	91.08415	274.92943	322.38725	12.40777	0.1348022	0.23660909	2.5888990	20	9 27.3	18.0
38400 1999 RX_{196}	13.9	X	83.71264	89.94916	216.94509	12.82747	0.1987363	0.19722684	2.9229768	20	12 18.1	18.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
38401 1999 RJ_{197}	14.2	X	3.05786	39.50034	312.27551	7.84285	0.0206255	0.19019698	2.9945643	20	10 11.3	18.4
38402 1999 RP_{197}	14.2	X	295.24932	103.25804	240.89305	8.50062	0.0707670	0.18055481	3.1002497	20	6 28.1	18.5
38403 1999 RU_{197}	13.4	X	184.28881	304.83445	217.66623	13.97478	0.0479036	0.23716661	2.5848401	20	10 5.4	17.2
38404 1999 RF_{202}	13.7	X	47.62655	47.00460	258.05240	9.39011	0.1116610	0.19043116	2.9921088	20	10 24.5	17.9
38405 1999 RS_{202}	14.1	X	26.38657	67.28896	237.78706	8.79220	0.1196755	0.18766504	3.0214388	20	9 24.8	18.1
38406 1999 RS_{203}	13.9	X	197.69073	48.83421	313.65512	14.70927	0.0442807	0.16879689	3.2425978	20	3 22.2	18.9
38407 1999 RF_{204}	14.2	X	174.93576	61.59321	255.17256	7.96306	0.1570649	0.20886636	2.8133497	20	1 11.1	18.8
38408 1999 RN_{204}	13.9	X	76.08567	288.55548	324.83576	15.62170	0.2373546	0.23697702	2.5862186	20	10 10.6	18.2
38409 1999 RK_{205}	13.6	X	249.59213	71.89137	252.77922	13.47218	0.1804169	0.17245376	3.1965949	20	3 22.5	18.9
38410 1999 RT_{208}	14.1	X	104.73510	55.01914	224.53510	10.45214	0.0745104	0.19359644	2.9594055	20	11 26.7	18.6
38411 1999 RQ_{210}	14.1	X	122.19515	320.67390	288.92913	9.00779	0.0955901	0.19143539	2.9816356	20	11 7.0	18.8
38412 1999 RX_{210}	13.1	X	149.12202	328.64371	329.86830	11.94303	0.0540185	0.20064143	2.8897192	20	—	—
38413 1999 RY_{211}	14.2	X	1.36840	300.63595	356.92300	17.49919	0.1506842	0.18209684	3.0827226	20	8 16.5	17.9
38414 1999 RT_{213}	15.5	X	187.78489	191.42547	149.77357	3.43379	0.0886369	0.21668987	2.7452189	20	2 18.5	19.7
38415 1999 RU_{213}	15.1	X	298.40676	176.67542	148.85713	3.31488	0.0980265	0.22942927	2.6426328	20	6 5.8	18.4
38416 1999 RV_{213}	14.9	X	7.93911	73.75078	336.87675	1.72192	0.0459579	0.20164402	2.8801326	20	—	—
38417 1999 RN_{218}	15.0	X	287.03990	65.90737	180.53947	12.53486	0.1160287	0.21616560	2.7496558	20	2 2.9	19.1
38418 1999 RW_{218}	15.1	X	49.58200	197.21664	127.57716	2.14752	0.0805912	0.24440731	2.5335331	20	11 30.7	18.4
38419 1999 RX_{219}	14.1	X	286.28492	60.24600	244.49487	8.27010	0.0656482	0.17538538	3.1608735	20	4 26.5	18.6
38420 1999 RV_{221}	14.0	X	143.28620	244.52598	318.70000	8.68172	0.0639378	0.18718852	3.0265643	20	9 30.8	18.6
38421 1999 RZ_{221}	13.3	X	304.44403	308.08767	344.63905	14.30543	0.2301713	0.17649438	3.1476188	20	4 6.5	17.7
38422 1999 RJ_{226}	13.7	X	218.09480	271.85755	132.51604	11.42148	0.0761062	0.17728856	3.1382118	20	6 11.2	18.5
38423 1999 RS_{226}	14.1	X	159.66224	227.00630	184.12256	21.58531	0.0741941	0.17202623	3.2018890	20	4 18.7	19.0
38424 1999 RU_{228}	13.9	X	26.37141	357.83223	192.54534	21.11808	0.0244759	0.17362096	3.1822524	20	4 22.2	18.3
38425 1999 RO_{230}	13.6	X	290.54244	258.44365	130.94692	12.03037	0.1126736	0.18388463	3.0627092	20	8 15.9	17.6
38426 1999 RT_{230}	13.7	X	308.56539	342.16974	38.93818	14.91091	0.1553615	0.18528062	3.0473059	20	9 4.7	17.6
38427 1999 RB_{231}	13.7	X	214.88059	336.24265	44.98241	11.76526	0.1300568	0.17346348	3.1841781	20	5 5.4	18.7
38428 1999 RQ_{231}	14.7	X	189.08903	186.38592	97.88849	9.48472	0.1942573	0.20969616	2.8059229	20	—	—
38429 1999 RX_{231}	13.6	X	329.52162	276.46647	34.54028	10.18702	0.1175813	0.18316948	3.0706759	20	7 2.0	17.5
38430 1999 RG_{232}	13.8	X	331.90807	244.28113	89.99863	9.57707	0.1599934	0.18600423	3.0393975	20	8 6.6	17.3
38431 1999 RR_{232}	14.5	X	254.88986	315.11824	1.30476	9.97280	0.1278611	0.22192873	2.7018446	20	3 24.9	18.4
38432 1999 RU_{235}	14.2	X	60.46450	214.16745	103.92942	10.79853	0.0706788	0.19368237	2.9585301	20	11 25.1	18.5
38433 1999 RL_{236}	14.2	X	221.95725	233.55213	26.98862	15.34996	0.1687310	0.20927008	2.8097302	20	—	—
38434 1999 RX_{236}	13.5	X	341.71663	139.49059	163.40645	22.15141	0.0609261	0.18067464	3.0988787	20	7 12.5	17.9
38435 1999 RA_{241}	13.7	X	287.15461	290.52845	134.04545	17.71524	0.0892081	0.18835126	3.0140956	20	10 5.3	17.9
38436 1999 RS_{241}	15.1	X	56.25340	247.67277	329.21456	1.21983	0.1356799	0.22788202	2.6545811	20	7 23.3	18.3
38437 1999 RV_{242}	14.7	X	130.47769	145.25583	121.07844	8.79403	0.1684134	0.24640200	2.5198415	20	12 18.6	18.8
38438 1999 RC_{249}	14.7	X	108.03590	262.79714	88.68019	3.55021	0.0625424	0.20407054	2.8572562	20	—	—
38439 1999 SQ_{4}	13.4	X	25.40528	76.92805	200.65173	15.52668	0.0149165	0.18067715	3.0988501	20	8 4.8	18.0
38440 1999 SA_{5}	14.7	X	286.53682	247.36341	49.77393	3.86518	0.1770129	0.27180690	2.3602739	20	3 28.2	17.8
38441 1999 SN_{6}	13.2	X	3.59887	246.44708	116.37029	10.80543	0.1077998	0.19032675	2.9932029	20	11 11.0	17.1
38442 Szilárd	14.0	X	120.06504	359.79868	321.72131	0.88992	0.0742470	0.19928777	2.9027900	20	—	—
38443 1999 SM_{7}	13.8	X	321.22823	272.70816	127.55615	11.06479	0.1080000	0.19188313	2.9769955	20	10 23.9	17.6
38444 1999 SY_{9}	15.1	X	351.94117	268.42917	33.70064	7.96243	0.1207490	0.23366147	2.6106260	20	8 6.9	18.0
38445 1999 SB_{12}	14.7	X	119.43334	277.50037	67.04845	3.06040	0.0695438	0.20370488	2.8606744	20	—	—
38446 1999 SK_{17}	14.5	X	197.46914	336.84602	11.96638	11.51737	0.1886528	0.21728133	2.7402348	20	3 11.6	19.2
38447 1999 SO_{18}	14.0	X	244.73235	259.61444	93.40717	10.21915	0.0986347	0.17505569	3.1648410	20	5 7.5	18.8
38448 1999 SS_{18}	14.1	X	86.66655	115.01828	156.74253	14.66739	0.0770647	0.23899723	2.5716240	20	11 9.7	18.0
38449 1999 SM_{22}	15.1	X	154.28453	60.48499	173.07145	5.83898	0.1175172	0.24406349	2.5359120	20	12 1.8	19.0
38450 1999 TH	13.9	X	56.64845	332.12616	207.67851	0.42691	0.1458943	0.17245873	3.1965335	20	6 2.7	17.9
38451 1999 TU	15.1	X	55.95747	278.12764	28.63333	2.15955	0.1721132	0.23932289	2.5692906	20	11 25.9	18.8
38452 1999 TE_{1}	13.8	X	241.07563	276.47223	70.83675	2.04173	0.1956029	0.17237287	3.1975948	20	4 15.5	18.9
38453 1999 TU_{1}	12.8	X	102.51954	207.03901	33.17830	6.59953	0.0405629	0.18619541	3.0373166	20	10 4.2	17.1
38454 Boroson	13.3	X	308.86023	271.73234	93.38487	13.79116	0.1949143	0.23118640	2.6292257	20	8 8.8	16.1
38455 1999 TK_{3}	14.8	X	231.57814	126.26394	227.55698	1.72322	0.1189770	0.17137487	3.2099969	20	4 19.4	19.8
38456 1999 TO_{6}	13.7	X	223.79018	236.30227	142.58892	1.68996	0.1724776	0.17239020	3.1973806	20	5 8.9	18.9
38457 1999 TJ_{9}	12.7	X	132.89298	283.36298	209.59603	11.25319	0.0107929	0.17435228	3.1733474	20	6 21.1	17.3
38458 1999 TP_{12}	13.7	X	354.08192	302.72065	34.15601	13.24963	0.1954399	0.23395519	2.6084404	20	10 9.1	16.1
38459 1999 TX_{12}	13.3	X	301.06771	7.99303	67.30662	5.63814	0.0688586	0.18962627	3.0005697	20	11 5.4	17.2
38460 1999 TH_{13}	14.4	X	314.37250	231.61971	26.31014	12.63699	0.1840257	0.21826920	2.7319605	20	3 20.0	17.9
38461 Jiřítrnka	14.5	X	179.67819	189.88038	252.30734	0.28707	0.0466344	0.17439898	3.1727809	20	6 15.2	19.1
38462 1999 TL_{21}	14.4	X	106.43284	300.90469	187.79478	0.25178	0.1146965	0.17251217	3.1958734	20	5 27.8	19.1
38463 1999 TM_{22}	14.7	X	354.51992	177.91508	135.65791	2.46124	0.1685389	0.18428091	3.0583168	20	8 20.0	17.8
38464 1999 TZ_{24}	14.9	X	60.47899	68.16230	283.52204	0.95539	0.0892300	0.19728191	2.9224328	20	—	—
38465 1999 TL_{28}	13.8	X	311.95674	13.51606	193.28712	8.78392	0.0854383	0.21191115	2.7863361	20	1 20.5	17.8
38466 1999 TU_{29}	14.7	X	180.01146	290.88292	351.45141	1.53039	0.0314391	0.20364280	2.8612557	20	—	—
38467 1999 TW_{33}	15.0	X	263.02257	288.36875	12.38110	4.67574	0.1436327	0.21718172	2.7410726	20	3 14.1	19.0
38468 1999 TD_{34}	13.4	X	74.54966	291.14581	40.66724	13.56614	0.2111256	0.24110374	2.5566233	20	—	—
38469 1999 TN_{34}	14.6	X	331.53848	258.68372	12.76685	28.71291	0.1751207	0.22501838	2.6770556	20	4 22.0	17.8
38470 1999 TL_{36}	13.3	X	221.36935	332.82761	41.00048	8.65661	0.2054818	0.12442616	3.9736985	20	4 29.7	19.7
38471 1999 TH_{39}	13.9	X	135.35273	170.23178	95.47641	10.44855	0.0232484	0.19243947	2.9712552	20	12 11.1	18.1
38472 1999 TJ_{51}	13.8	X	71.20341	232.23864	2.10857	9.09676	0.0475657	0.18102702	3.0948560	20	8 21.1	18.1
38473 1999 TA_{85}	15.6	X	78.56089	351.05260	304.26718	1.32601	0.1275275	0.24511009	2.5286880	20	12 2.2	19.3
38474 1999 TS_{88}	13.8	X	259.58192	162.24349	171.17003	19.37162	0.2494627	0.17548462	3.1596818	20	4 12.8	19.0
38475 1999 TT_{89}	13.8	X	337.91530	293.22018	28.36286	11.71358	0.2016708	0.18384884	3.0631067	20	7 31.4	17.2
38476 1999 TA_{91}	14.6	X	10.55431	249.89454	30.19820	14.62322	0.1573679	0.23070870	2.6328538	20	8 17.4	17.7
38477 1999 TR_{92}	14.1	X	33.29052	165.39493	168.73787	10.08281	0.0843393	0.19105976	2.9855423	20	11 12.4	18.2
38478 1999 TX_{94}	14.2	X	6.56032	285.43718	49.23279	11.97767	0.0611441	0.18733748	3.0249597	20	10 5.9	18.3
38479 1999 TK_{95}	13.9	X	309.01706	217.59646	150.92863	11.61852	0.0735654	0.18312815	3.0711378	20	8 19.5	17.7
38480 1999 TL_{99}	13.8	X	324.56873	228.71124	138.53755	12.61651	0.1349863	0.18466410	3.0540846	20	9 9.7	17.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
38481 1999 TX_{99}	14.3	X	346.01234	162.79083	169.21047	12.63000	0.2687151	0.23310467	2.6147815	20	9 13.9	15.9
38482 1999 TC_{100}	13.4	X	337.47821	251.36033	137.41588	11.21818	0.1120069	0.18879720	3.0093476	20	11 3.3	17.2
38483 1999 TW_{100}	15.0	X	70.77150	172.59678	118.44489	6.48053	0.2534062	0.24075690	2.5590782	20	12 1.8	19.1
38484 1999 TX_{100}	14.6	X	347.90614	259.04675	48.94591	14.53437	0.1311333	0.22912413	2.6449786	20	8 10.8	17.7
38485 1999 TQ_{102}	13.5	X	87.10479	216.04613	104.43826	14.58386	0.1347350	0.19452465	2.9499837	20	12 31.7	18.0
38486 1999 TE_{108}	14.8	X	204.56192	56.27597	263.77097	5.31428	0.0600214	0.21346692	2.7727816	20	2 8.6	19.0
38487 1999 TL_{108}	14.0	X	225.45658	237.74077	203.92757	9.86549	0.0547280	0.18277116	3.0751357	20	8 3.6	18.6
38488 1999 TP_{113}	13.8	X	106.03296	54.36764	208.52268	9.88390	0.0759312	0.19209076	2.9748499	20	11 8.3	18.1
38489 1999 TB_{116}	14.0	X	274.85407	130.32979	205.61672	8.78853	0.0932834	0.17568329	3.1572992	20	5 19.7	18.5
38490 1999 TA_{117}	13.8	X	258.75141	223.18462	319.11091	0.99500	0.0099099	0.20001132	2.8957851	20	—	—
38491 1999 TO_{117}	14.0	X	120.78881	143.12432	330.92530	5.35888	0.0717033	0.17109954	3.2134397	20	5 19.3	18.8
38492 1999 TQ_{117}	13.7	X	338.86901	55.92905	297.92857	4.41981	0.0865635	0.18580934	3.0415224	20	9 12.9	17.5
38493 1999 TT_{117}	14.0	X	45.00233	291.47839	303.49513	5.18072	0.0252295	0.17835866	3.1256469	20	7 12.3	18.2
38494 1999 TG_{119}	13.8	X	306.37698	282.51011	186.25092	8.30939	0.0328943	0.19596507	2.9355103	20	12 26.6	17.9
38495 1999 TP_{119}	14.1	X	100.50057	336.14744	325.17730	2.32924	0.0237540	0.19483122	2.9468884	20	12 13.6	18.3
38496 1999 TT_{120}	14.3	X	226.27767	115.01112	253.23755	2.54434	0.1108572	0.17229059	3.1986129	20	5 1.7	19.1
38497 1999 TK_{130}	14.0	X	43.07988	350.17316	202.31631	5.69519	0.0791474	0.17384952	3.1794625	20	5 21.9	18.1
38498 1999 TX_{148}	14.6	X	10.74710	11.87694	313.63411	2.80981	0.1610759	0.18673487	3.0314642	20	10 4.2	18.2
38499 1999 TT_{161}	14.6	X	24.69621	199.64021	88.53753	2.62570	0.0594532	0.18265354	3.0764556	20	8 27.9	18.7
38500 1999 TN_{165}	14.4	X	145.71610	168.79544	336.23882	8.65871	0.0360716	0.17914355	3.1165105	20	7 26.9	19.0
38501 1999 TN_{170}	14.6	X	88.64848	11.02359	206.84990	0.53600	0.1054264	0.18150631	3.0894054	20	8 26.6	19.1
38502 1999 TC_{171}	14.2	X	283.70541	247.02160	77.41930	2.48959	0.2086509	0.17536804	3.1610820	20	4 29.4	18.8
38503 1999 TF_{186}	14.4	X	333.30134	30.72227	288.91697	11.77385	0.1431545	0.18062848	3.0994066	20	7 17.4	18.0
38504 1999 TO_{186}	13.5	X	157.51050	262.89331	357.64989	16.08455	0.2052458	0.24581589	2.5238454	20	—	—
38505 1999 TU_{190}	13.8	X	97.53669	338.43106	316.53594	10.33059	0.1020913	0.19256306	2.9699836	20	12 8.5	18.4
38506 1999 TB_{192}	13.7	X	49.16563	261.47645	316.57444	9.27029	0.1066805	0.17405877	3.1769139	20	7 7.4	17.9
38507 1999 TD_{192}	13.0	X	332.53539	25.68294	258.17046	12.78329	0.1424209	0.17496129	3.1659793	20	5 27.7	16.8
38508 1999 TR_{213}	14.0	X	34.69378	28.02676	196.03992	9.93205	0.0720268	0.17589301	3.1547891	20	6 18.5	18.3
38509 1999 TQ_{220}	13.7	X	209.71680	342.75609	352.73680	10.93799	0.0298002	0.21336873	2.7736322	20	3 7.5	17.6
38510 1999 TF_{221}	14.4	X	272.81881	352.90900	355.43121	8.49508	0.0956652	0.17529237	3.1619916	20	5 29.7	19.1
38511 1999 TU_{230}	14.1	X	305.44066	238.46499	147.96810	9.78368	0.1443199	0.18538898	3.0461183	20	8 30.9	17.6
38512 1999 TU_{233}	13.8	X	72.34589	219.66921	321.70227	13.94158	0.1749405	0.17439834	3.1727887	20	7 2.9	18.3
38513 1999 TJ_{236}	13.8	X	54.46408	220.90552	118.89521	8.42896	0.1744426	0.19289420	2.9665837	20	12 25.4	18.2
38514 1999 TF_{238}	13.6	X	201.31472	103.65682	60.34262	10.32832	0.0550403	0.18834767	3.0141339	20	10 23.9	18.0
38515 1999 TP_{245}	13.5	X	169.18641	95.44257	91.60382	11.26699	0.0855738	0.18621764	3.0370749	20	10 17.7	18.3
38516 1999 TQ_{248}	12.6	X	16.94319	80.54935	204.25472	17.01515	0.1925978	0.17902581	3.1178768	20	8 19.4	16.4
38517 1999 TL_{249}	14.7	X	261.67591	3.75557	244.74665	7.20002	0.1668918	0.21193058	2.7861658	20	1 6.8	19.1
38518 1999 TN_{252}	14.4	X	275.48821	181.82951	138.11867	13.53210	0.1625334	0.21960159	2.7208988	20	4 23.2	18.5
38519 1999 TB_{253}	14.0	X	112.49700	121.30851	161.10166	10.45711	0.0727773	0.19297896	2.9657149	20	12 8.9	18.6
38520 1999 TZ_{255}	15.2	X	67.41533	133.18994	34.74550	0.34142	0.0640941	0.17406362	3.1768549	20	5 21.4	19.3
38521 1999 TG_{262}	13.8	X	9.82877	284.66836	345.39520	14.42396	0.1034525	0.17677622	3.1442723	20	7 18.2	17.9
38522 1999 TA_{271}	13.5	X	261.64714	302.23588	5.30114	21.41869	0.0169664	0.16783934	3.2549192	20	4 4.7	18.2
38523 1999 TY_{279}	14.1	X	181.44606	96.24235	24.39747	9.87220	0.0364719	0.18115624	3.0933841	20	8 9.6	18.7
38524 1999 TS_{287}	14.4	X	23.65984	274.95251	62.38989	3.13994	0.1134417	0.18860823	3.0113573	20	11 4.7	18.3
38525 1999 TY_{288}	13.8	X	313.76239	347.63236	279.81495	4.97237	0.0946049	0.17093684	3.2154785	20	4 10.9	18.3
38526 1999 TB_{296}	14.0	X	314.60273	244.98444	1.07014	1.27109	0.1142221	0.16959390	3.2324307	20	3 16.3	18.2
38527 1999 TJ_{315}	14.5	X	38.86829	84.08794	87.15175	1.91019	0.0870263	0.16803890	3.2523417	20	4 19.4	18.7
38528 1999 UL_{4}	13.5	X	56.73286	22.64023	252.04586	8.64979	0.0675016	0.18367377	3.0650527	20	9 18.8	17.9
38529 1999 UR_{6}	14.4	X	204.69346	81.46418	202.55407	1.10600	0.1026648	0.20634169	2.8362515	20	—	—
38530 1999 UY_{14}	14.3	X	179.96650	93.66193	151.64907	2.34223	0.0566905	0.19610620	2.9341017	20	—	—
38531 1999 UF_{15}	13.3	X	43.47346	303.79847	41.94605	14.38498	0.1402849	0.19206173	2.9751497	20	12 13.4	17.6
38532 1999 UQ_{24}	13.8	X	172.48780	70.93753	275.07494	6.04358	0.0996310	0.20944922	2.8081279	20	2 8.3	18.2
38533 1999 UQ_{33}	14.2	X	2.85158	168.53986	49.77054	0.23639	0.1114704	0.16905625	3.2392806	20	4 24.1	18.0
38534 1999 UQ_{39}	14.3	X	30.21172	211.06802	25.15706	17.30991	0.1541912	0.17841597	3.1249775	20	7 10.2	18.5
38535 1999 UO_{42}	13.1	X	101.86115	28.50715	243.31763	9.59142	0.0674582	0.19059891	2.9903529	20	11 12.3	17.5
38536 1999 UT_{42}	13.9	X	190.63559	45.38342	342.45091	10.26491	0.0414201	0.16848548	3.2465921	20	4 17.3	18.8
38537 1999 UJ_{43}	13.9	X	47.10528	260.51760	328.43723	7.75956	0.0229637	0.17566376	3.1575332	20	7 7.7	18.3
38538 1999 UZ_{47}	14.0	X	166.38941	229.50615	1.65102	10.18923	0.0556772	0.19321380	2.9633113	20	12 1.1	18.6
38539 1999 UH_{52}	14.2	X	114.87513	137.85427	139.99534	9.40210	0.1927290	0.19223943	2.9733161	20	12 11.4	19.3
38540 Stevens	13.3	X	15.36673	303.43537	74.03527	11.19960	0.1001070	0.19174469	2.9784283	20	12 11.7	17.1
38541 Rustichelli	13.8	X	327.16397	32.51745	280.42087	3.99245	0.1490676	0.17717398	3.1395646	20	6 26.8	17.5
38542 1999 VD_{7}	14.1	X	83.84021	213.96793	88.72263	0.46221	0.1976175	0.19265973	2.9689901	20	12 12.9	18.8
38543 1999 VW_{9}	13.2	X	284.43910	305.80103	87.52064	18.19232	0.1233952	0.18124771	3.0923433	20	8 14.0	17.6
38544 1999 VS_{21}	13.4	X	346.78142	223.76290	97.38179	5.54315	0.1952828	0.18096410	3.0955734	20	8 16.2	16.6
38545 1999 VS_{27}	13.6	X	308.94678	92.98639	229.78606	9.89589	0.0491414	0.17547040	3.1598525	20	6 22.0	17.9
38546 1999 VV_{32}	14.0	X	331.32214	242.09506	59.09763	1.92326	0.1231559	0.17419901	3.1752086	20	6 20.2	17.7
38547 1999 VN_{35}	14.1	X	16.02470	116.05964	210.71873	1.76867	0.2244391	0.18420812	3.0591225	20	10 24.5	17.6
38548 1999 VK_{47}	12.1	X	18.60562	342.48238	266.61183	18.39262	0.1013944	0.17587271	3.1550319	20	6 28.8	16.1
38549 1999 VG_{48}	14.8	X	95.74009	293.70768	340.64596	10.88548	0.2214403	0.23930273	2.5694349	20	11 26.8	19.3
38550 1999 VS_{53}	13.5	X	38.69268	14.98507	216.24879	16.98964	0.1212872	0.17563365	3.1578941	20	7 6.6	17.9
38551 1999 VD_{54}	14.5	X	287.38617	290.66622	11.29512	0.51401	0.1593865	0.17227367	3.1988223	20	4 12.4	18.8
38552 1999 VD_{66}	13.9	X	314.05079	264.76812	55.95785	12.14571	0.1006327	0.17524155	3.1626028	20	6 20.3	18.0
38553 1999 VU_{68}	14.1	X	264.80202	201.10198	159.81358	0.70104	0.2513614	0.12677170	3.9245317	20	5 18.5	20.1
38554 1999 VR_{78}	13.3	X	86.13898	250.93053	261.29697	4.45440	0.0528928	0.16972413	3.2307771	20	5 23.9	17.8
38555 1999 VG_{83}	14.6	X	35.52678	344.30944	350.48366	1.42123	0.0934910	0.18957893	3.0010692	20	11 14.2	18.7
38556 1999 VP_{87}	13.4	X	251.75250	196.01254	178.35616	8.18545	0.0740107	0.17430112	3.1739683	20	6 11.4	18.1
38557 1999 VV_{92}	14.3	X	155.39896	225.64128	13.29355	2.07784	0.0414398	0.19370607	2.9582887	20	11 30.8	18.6
38558 1999 VM_{114}	13.8	X	327.44828	353.61727	352.31856	14.00721	0.1182260	0.18195747	3.0842965	20	8 19.1	17.6
38559 1999 VC_{115}	13.6	X	272.43249	76.00534	257.41897	14.17594	0.1044560	0.17385096	3.1794450	20	5 9.6	18.3
38560 1999 VC_{123}	14.5	X	293.02962	214.67627	95.53700	2.42817	0.1687071	0.17190794	3.2033577	20	4 29.3	18.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
38561 1999 VA_{133}	15.8	X	24.32830	96.34739	201.33460	4.39527	0.2650211	0.23686274	2.5870503	20	10 18.2	18.4
38562 1999 VG_{139}	14.0	X	59.42221	313.36746	245.35406	5.27289	0.0754654	0.17351688	3.1835247	20	6 20.9	18.2
38563 1999 VW_{140}	15.0	X	356.80798	331.28139	315.12027	0.32054	0.1492783	0.17871658	3.1214723	20	7 15.5	18.5
38564 1999 VB_{144}	14.6	X	157.47868	65.91675	241.05803	5.38291	0.3087999	0.20386905	2.8591385	20	—	—
38565 1999 VY_{145}	15.2	X	348.07478	233.30688	48.92996	5.17179	0.2224149	0.22724130	2.6595687	20	6 22.4	17.3
38566 1999 VQ_{147}	14.7	X	351.27334	33.50525	242.34528	3.14660	0.2056646	0.22630444	2.6669037	20	6 20.7	16.7
38567 1999 VZ_{161}	13.7	X	74.28009	217.64788	6.53170	5.12911	0.1061084	0.17738950	3.1370211	20	8 18.9	18.2
38568 1999 VE_{184}	14.2	X	322.94121	143.77529	180.72727	3.69821	0.1154145	0.17773696	3.1329313	20	7 8.2	18.2
38569 1999 VO_{198}	14.0	X	311.67045	175.07982	139.26096	10.18523	0.0881025	0.17481729	3.1677176	20	6 12.0	18.3
38570 1999 VH_{199}	13.9	X	178.57177	282.75863	160.18728	12.92899	0.0710480	0.17373123	3.1809056	20	6 15.9	18.9
38571 1999 VH_{211}	14.1	X	44.25909	267.85726	346.16021	4.43064	0.1164460	0.17858260	3.1230334	20	8 17.9	18.2
38572 1999 VU_{223}	13.9	X	100.24293	175.05995	128.69158	11.31404	0.0813424	0.19085047	2.9877246	20	12 20.9	18.5
38573 1999 WA_{1}	12.6	X	322.90533	326.29547	88.21479	15.46019	0.0822989	0.18752700	3.0229214	20	11 13.6	16.6
38574 1999 WS_{4}	11.7	X	242.26247	170.29788	300.87734	7.19516	0.1049940	0.08449244	5.1434850	20	9 11.3	18.8
38575 1999 XH_{2}	13.4	X	42.83789	218.38718	38.23290	12.55898	0.1330073	0.22961827	2.6411826	20	9 3.6	16.9
38576 1999 XL_{3}	13.7	X	112.00022	305.20147	217.68975	14.07283	0.2102165	0.17045672	3.2215135	20	7 20.9	19.1
38577 1999 XZ_{10}	12.6	X	5.08615	204.81946	39.26502	23.09675	0.0441283	0.17076327	3.2176570	20	5 25.6	17.1
38578 1999 XS_{11}	13.3	X	114.33239	35.58315	342.98804	10.61739	0.0862222	0.15581666	3.4202678	20	1 25.9	18.3
38579 1999 XM_{15}	13.2	X	244.87114	55.08563	330.14378	2.67666	0.1993973	0.12448708	3.9724020	20	6 1.9	19.2
38580 1999 XN_{17}	14.5	X	213.14395	262.86284	34.35333	12.01273	0.1740686	0.26015845	2.4302116	20	1 19.5	18.7
38581 1999 XQ_{17}	14.2	X	312.53729	35.99931	26.55656	12.04986	0.1016530	0.19160188	2.9799081	20	11 1.7	17.8
38582 1999 XE_{37}	12.6	X	21.18807	251.24813	101.00190	11.34996	0.1241150	0.18738320	3.0244677	20	11 23.3	16.6
38583 1999 XX_{42}	14.1	X	278.48122	68.62291	257.88406	4.40308	0.1628578	0.17216663	3.2001480	20	4 30.6	18.8
38584 1999 XH_{47}	13.5	X	239.68984	305.40042	55.45294	8.57408	0.0561807	0.16887488	3.2415995	20	5 13.1	18.1
38585 1999 XD_{67}	12.4	X	256.00406	201.19117	242.07759	5.75918	0.1080234	0.08423843	5.1538194	20	8 25.4	19.4
38586 1999 XW_{70}	14.1	X	269.98367	265.23445	240.17293	9.72066	0.0992558	0.18869123	3.0104741	20	12 14.7	18.1
38587 1999 XO_{80}	13.5	X	95.32548	334.07957	245.27254	10.09660	0.1203488	0.17536027	3.1611753	20	9 1.4	18.4
38588 1999 XV_{91}	15.2	X	217.59349	312.24753	200.19059	6.23820	0.0469586	0.27714580	2.3298637	20	11 13.9	18.1
38589 1999 XV_{113}	13.6	X	330.32667	326.14239	312.27268	13.42482	0.1549535	0.17285497	3.1916466	20	5 10.9	17.8
38590 1999 XT_{115}	14.6	X	89.16418	5.40554	335.15972	5.61631	0.1929637	0.19730142	2.9222402	20	—	—
38591 1999 XZ_{116}	13.7	X	326.68328	279.84615	33.31349	10.08868	0.2266204	0.17762889	3.1342020	20	6 15.7	17.2
38592 1999 XH_{162}	11.8	X	257.64249	58.82813	24.58409	15.78849	0.0865813	0.08169504	5.2602403	20	9 7.7	18.9
38593 1999 XF_{166}	13.5	X	289.69924	52.12358	267.06471	12.99755	0.2872656	0.17526344	3.1623395	20	4 13.7	18.3
38594 1999 XF_{193}	12.2	X	262.75747	110.99152	324.73554	8.87869	0.0489396	0.08209837	5.2429979	20	9 1.7	19.1
38595 1999 XD_{196}	14.0	X	97.26776	223.79818	300.73566	10.53815	0.0815376	0.21375355	2.7703023	20	6 28.9	18.0
38596 1999 XP_{199}	12.4	X	271.40391	65.43837	22.02339	6.48251	0.0625699	0.08461285	5.1386041	20	9 25.7	19.2
38597 1999 XU_{200}	12.1	X	238.58009	35.63956	72.54322	16.84752	0.1202985	0.08131344	5.2766851	20	9 13.5	19.5
38598 1999 XQ_{208}	12.4	X	258.94623	64.59577	44.26171	11.60681	0.0496395	0.08432207	5.1504110	20	10 9.3	19.3
38599 1999 XC_{210}	11.8	X	272.36760	38.33641	34.46015	14.53266	0.0888564	0.08268240	5.2182792	20	9 11.9	18.8
38600 1999 XR_{213}	11.8	X	231.08865	1.82527	110.97306	9.94377	0.0346422	0.08367223	5.1770434	20	9 15.5	18.8
38601 1999 XK_{229}	13.8	X	68.17225	23.62389	0.68238	9.80837	0.1040901	0.15057991	3.4991135	20	—	—
38602 1999 XW_{229}	13.3	X	300.39605	300.88751	31.76382	18.14898	0.1899696	0.17571001	3.1569791	20	5 29.9	17.7
38603 1999 XO_{242}	14.9	X	291.15308	243.65853	201.98867	14.48232	0.1111628	0.22948774	2.6421840	20	11 9.9	17.9
38604 1999 YJ_{4}	13.7	X	201.97324	51.31330	98.02567	10.84567	0.0788480	0.18486705	3.0518490	20	10 6.8	18.4
38605 1999 YV_{10}	13.7	X	312.14614	195.30650	105.82441	5.80368	0.1386749	0.17137636	3.2099784	20	5 19.8	17.9
38606 1999 YC_{13}	11.8	X	272.61953	18.71709	80.29914	18.25415	0.0611713	0.08443055	5.1459982	20	10 17.6	18.8
38607 2000 AN_{6}	11.7	X	254.00804	7.57869	112.55103	13.88138	0.0299505	0.08217643	5.2396772	20	10 21.2	18.8
38608 2000 AW_{11}	14.7	X	65.67414	39.38029	41.16744	2.72419	0.0176376	0.20177670	2.8788699	20	1 22.9	18.5
38609 2000 AB_{26}	12.2	X	258.05842	348.59890	100.36757	11.63664	0.1103014	0.08116029	5.2833211	20	9 9.3	19.3
38610 2000 AU_{45}	11.5	X	132.41497	307.00098	270.65804	14.07601	0.0132478	0.08245868	5.2277136	20	9 16.4	18.7
38611 2000 AS_{74}	12.2	X	249.20145	355.47914	107.46380	8.35457	0.1274511	0.08325977	5.1941270	20	9 12.6	19.3
38612 2000 AA_{79}	14.5	X	325.44720	224.03765	150.31430	5.82721	0.1497657	0.27591355	2.3367955	20	10 12.7	16.4
38613 2000 AV_{110}	12.2	X	27.88045	27.57397	260.62221	15.19299	0.1380625	0.12488295	3.9640028	20	8 24.9	17.6
38614 2000 AA_{113}	11.9	X	240.96655	348.02365	134.44344	17.17970	0.0249399	0.08159111	5.2647066	20	10 9.5	19.1
38615 2000 AV_{121}	12.3	X	305.49223	141.29076	270.40781	3.96920	0.1622217	0.08377551	5.1727879	20	9 11.4	18.7
38616 2000 AS_{145}	13.5	X	332.33556	290.75869	78.50390	6.47560	0.0802465	0.18561559	3.0436386	20	9 28.9	17.4
38617 2000 AY_{161}	12.0	X	353.81740	279.51558	86.60051	12.81535	0.0423409	0.08308589	5.2013713	20	10 10.1	18.8
38618 2000 AH_{165}	14.2	X	208.58379	223.18596	59.65395	16.15804	0.2059253	0.25684983	2.4510370	20	—	—
38619 2000 AW_{183}	11.7	X	301.78967	262.22522	149.44038	14.09071	0.1568870	0.08362197	5.1791178	20	9 10.3	18.1
38620 2000 AQ_{186}	13.5	X	308.57917	237.65453	102.25488	16.25171	0.1832753	0.17806855	3.1290408	20	6 27.2	17.4
38621 2000 AG_{201}	12.1	X	315.60833	252.50600	147.52936	14.01109	0.0767334	0.08383745	5.1702397	20	9 25.5	18.7
38622 2000 AZ_{230}	13.6	X	55.59774	341.27373	224.76562	15.90785	0.0462437	0.16869822	3.2438620	20	6 19.8	18.3
38623 2000 AQ_{233}	13.4	X	238.18193	278.11162	183.06672	11.46275	0.0266142	0.18392363	3.0622762	20	9 19.2	17.6
38624 2000 CD_{12}	15.0	X	129.34351	124.54892	151.13572	6.77301	0.0660418	0.23092871	2.6311812	20	12 25.1	19.0
38625 2000 CN_{12}	14.5	X	70.65678	190.43427	171.54768	9.27417	0.0292781	0.18699694	3.0286311	20	—	—
38626 2000 EZ_{97}	15.7	X	86.82985	275.40048	38.87111	23.49653	0.0973792	0.37142690	1.9166985	20	—	—
38627 2000 EV_{119}	14.7	X	187.71848	214.83355	86.87890	7.33440	0.1819122	0.28685427	2.2769937	20	—	—
38628 Huya	4.8	X	7.25772	68.45475	169.39099	15.47301	0.2819803	0.00393099	39.7619994	20	6 3.4	19.4
38629 2000 ER_{173}	14.4	X	263.99982	194.58473	79.85263	14.59131	0.2288360	0.24114286	2.5563468	20	2 4.2	18.7
38630 2000 GA_{93}	15.7	X	340.21906	128.66120	64.97180	4.25399	0.0769132	0.29160567	2.2521920	20	2 2.5	18.1
38631 2000 KA_{31}	12.9	X	67.73972	146.33637	252.34322	20.72028	0.1574784	0.17572444	3.1568063	20	—	—
38632 2000 KX_{36}	15.7	X	47.43960	272.67224	91.95830	24.68585	0.1165509	0.37134018	1.9169969	20	—	—
38633 2000 LY_{13}	14.4	X	134.07020	33.21414	236.14209	13.31863	0.1892681	0.26451870	2.4034318	20	12 26.5	18.5
38634 2000 LL_{18}	14.4	X	190.96820	265.82171	134.72580	13.58245	0.1918187	0.23717516	2.5847780	20	5 8.9	19.0
38635 2000 LB_{21}	15.6	X	262.12999	137.51523	204.53385	5.49769	0.1330618	0.28817012	2.2700569	20	5 2.9	18.4
38636 2000 LM_{27}	16.2	X	31.97994	175.24184	141.32824	4.36361	0.2000773	0.30240844	2.1982316	20	11 29.0	18.8
38637 2000 LL_{35}	14.3	X	175.65881	152.03634	259.76554	11.09279	0.2612422	0.23278009	2.6172115	20	5 4.2	19.0
38638 2000 NZ_{8}	15.7	X	350.64992	123.62136	190.25649	2.98263	0.1991460	0.29438437	2.2379973	20	9 4.4	17.0
38639 2000 NJ_{16}	16.3	X	341.88121	260.32751	113.20565	4.22190	0.1658196	0.30139382	2.2031623	20	11 25.1	18.0
38640 2000 NO_{16}	16.1	X	332.74866	354.82932	22.50752	3.26372	0.0739948	0.30193322	2.2005375	20	11 1.8	18.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
38641 2000 NX_{16}	15.6	X	145.96636	310.20963	66.89956	3.14092	0.2287789	0.27404312	2.3474163	20	2 27.5	19.2
38642 2000 NY_{17}	15.3	X	235.90427	333.31006	62.08697	6.03985	0.2515052	0.23830341	2.5766131	20	6 1.9	19.4
38643 2000 NZ_{19}	15.9	X	227.54865	173.33563	289.27984	3.73322	0.1264790	0.29856834	2.2170401	20	9 7.4	18.8
38644 2000 NN_{21}	15.0	X	210.83644	196.85948	137.62251	1.80203	0.1551811	0.23202517	2.6228854	20	3 2.7	19.0
38645 2000 OT_{3}	15.0	X	223.46693	143.16466	243.60999	4.78816	0.3157344	0.23499189	2.6007631	20	5 8.2	19.7
38646 2000 OX_{4}	14.3	X	156.93080	189.49485	162.39469	14.23063	0.1637916	0.22334318	2.6904252	20	2 3.4	18.6
38647 2000 OW_{8}	15.4	X	256.76576	191.10151	146.16994	4.24474	0.2827074	0.28371757	2.2937455	20	4 5.7	19.0
38648 2000 OG_{11}	15.8	X	147.46459	143.45635	204.62613	1.70795	0.2331382	0.27292567	2.3538194	20	1 22.4	19.2
38649 2000 OX_{16}	14.4	X	92.54896	200.94934	137.21367	14.53984	0.1724070	0.21397058	2.7684287	20	—	—
38650 2000 ON_{17}	14.9	X	167.47716	261.00592	139.33014	12.03970	0.1989549	0.23098101	2.6307841	20	4 18.6	19.5
38651 2000 ON_{18}	15.8	X	165.30272	267.21213	116.47452	3.01074	0.2467667	0.27741785	2.3283403	20	3 24.1	19.6
38652 2000 OV_{20}	14.9	X	188.96958	60.56000	358.72358	11.90129	0.2634352	0.23010456	2.6374601	20	5 21.5	19.8
38653 2000 OT_{22}	14.9	X	288.05523	275.05356	94.94210	3.64340	0.2547913	0.23953848	2.5677487	20	6 26.6	18.0
38654 2000 OK_{27}	15.5	X	137.75522	216.60205	164.50003	2.48803	0.2396808	0.27316446	2.3524474	20	2 24.2	18.9
38655 2000 OX_{38}	14.4	X	84.80043	209.16583	216.49261	12.09470	0.1507543	0.22275743	2.6951395	20	2 7.5	18.0
38656 2000 OR_{45}	14.5	X	219.82924	91.39739	264.35259	9.94251	0.2989648	0.23151843	2.6267113	20	3 26.3	19.5
38657 2000 OO_{46}	15.6	X	88.22486	45.19273	331.98841	4.61592	0.2342969	0.26407224	2.4061399	20	—	—
38658 2000 ON_{48}	15.4	X	49.36710	235.02609	120.15562	3.63768	0.1615738	0.30677461	2.1773242	20	—	—
38659 2000 OS_{48}	14.7	X	265.47648	31.63695	3.60309	7.99553	0.2378874	0.23953281	2.5677892	20	7 5.1	18.4
38660 2000 OT_{48}	15.0	X	241.99901	196.16445	155.29561	14.09946	0.1966818	0.23297973	2.6157162	20	4 22.3	19.3
38661 2000 OC_{49}	15.6	X	222.58680	237.69009	124.79717	5.55211	0.2476091	0.28109929	2.3079668	20	4 12.5	19.5
38662 2000 OG_{49}	15.6	X	23.77619	311.41516	44.30996	2.67745	0.2028059	0.30268817	2.1968770	20	—	—
38663 2000 OK_{49}	14.9	X	153.21305	187.66195	120.03946	5.83851	0.2597480	0.26670673	2.3902688	20	—	—
38664 2000 OU_{50}	15.0	X	257.80748	316.71534	131.86988	6.32136	0.1417379	0.29549454	2.2323883	20	10 2.6	17.4
38665 2000 OC_{52}	14.9	X	319.13524	222.91694	155.72952	6.16997	0.2298032	0.24520437	2.5280399	20	9 20.9	16.6
38666 2000 OR_{52}	15.3	X	79.55994	311.27909	81.39320	3.43433	0.2202779	0.26274087	2.4142614	20	—	—
38667 2000 OT_{56}	15.6	X	201.73837	12.37386	24.69093	3.73862	0.2391985	0.23451470	2.6042899	20	5 7.2	20.1
38668 2000 PM	15.7	X	20.48091	7.29045	19.80126	1.97106	0.2032218	0.30816603	2.1707653	20	—	—
38669 Michikawa	15.2	X	256.81087	15.16624	352.98664	2.99472	0.2561734	0.23907401	2.5710734	20	5 16.6	19.2
38670 2000 PR_{6}	13.9	X	239.35356	231.95681	143.98907	18.50780	0.3295776	0.23364382	2.6107574	20	5 11.9	18.9
38671 Verdaguer	15.1	X	23.95815	254.58861	134.46280	2.72429	0.1786267	0.25810993	2.4430531	20	—	—
38672 2000 PN_{7}	15.0	X	104.89678	222.72469	109.31163	10.42918	0.2748618	0.26183465	2.4198288	20	—	—
38673 2000 PC_{8}	15.5	X	99.79194	329.58361	71.96426	2.55455	0.1874527	0.26804805	2.3822881	20	1 31.7	18.3
38674 Těšínsko	15.7	X	310.03499	152.26196	178.14196	7.43684	0.2269240	0.29202640	2.2500283	20	6 12.6	17.7
38675 2000 PT_{10}	14.9	X	263.47037	278.82838	56.24154	9.95809	0.1555024	0.23555635	2.5966067	20	4 25.7	18.6
38676 2000 PR_{15}	15.9	X	261.87303	267.10809	117.39726	2.86121	0.3008904	0.24093113	2.5578443	20	6 7.7	19.9
38677 2000 PD_{25}	15.6	X	143.51670	290.27127	96.80680	3.24834	0.2097144	0.27283962	2.3543142	20	3 7.1	19.1
38678 2000 PS_{26}	14.3	X	146.93772	162.77765	236.68830	11.21371	0.1858694	0.22282817	2.6945691	20	3 21.6	18.9
38679 2000 QX	15.5	X	247.30196	176.87105	170.58458	4.65064	0.1512270	0.28402917	2.2920676	20	4 21.6	18.6
38680 2000 QM_{2}	14.6	X	334.38862	2.47847	9.36628	5.91442	0.1837354	0.29515130	2.2341187	20	11 2.4	16.1
38681 2000 QK_{6}	15.6	X	61.11301	216.86244	186.67564	6.76910	0.1295840	0.26345799	2.4098784	20	—	—
38682 2000 QE_{7}	15.9	X	87.14545	142.04422	165.86774	23.64179	0.0691823	0.35643155	1.9700865	20	—	—
38683 2000 QQ_{7}	14.6	X	250.74126	80.14354	281.45410	2.70258	0.2777766	0.28394666	2.2925116	20	4 29.3	18.4
38684 Velehrad	13.3	X	106.00152	168.65991	281.31184	1.56664	0.1962359	0.12515762	3.9582012	20	4 20.9	19.3
38685 2000 QP_{9}	14.0	X	252.69740	171.13562	199.58426	10.73434	0.1394755	0.23422475	2.6064388	20	5 31.1	17.8
38686 2000 QE_{10}	15.1	X	230.66633	41.79909	310.40719	3.03872	0.2588374	0.28406973	2.2918494	20	4 1.5	18.9
38687 2000 QT_{18}	16.1	X	91.68243	75.64856	354.58769	1.74530	0.0805467	0.27422341	2.3463873	20	2 9.8	18.8
38688 2000 QS_{23}	15.5	X	70.84160	339.52439	49.56423	3.64599	0.1793955	0.26461462	2.4028509	20	—	—
38689 2000 QS_{27}	15.5	X	310.99490	46.54857	345.18292	4.90960	0.1413954	0.29756686	2.2220117	20	10 11.0	17.1
38690 2000 QS_{29}	15.1	X	27.71185	237.88433	154.69477	7.36809	0.1704439	0.25745955	2.4471657	20	—	—
38691 2000 QY_{29}	14.9	X	169.35566	16.39389	21.79100	7.07135	0.1159872	0.27840797	2.3228167	20	4 7.6	18.2
38692 2000 QD_{30}	15.6	X	5.75208	226.88660	131.59867	6.05511	0.1417294	0.30110934	2.2045497	20	12 10.6	17.9
38693 2000 QB_{36}	15.8	X	359.84629	182.78872	185.75156	2.73860	0.1970883	0.30335810	2.1936415	20	12 25.2	18.0
38694 2000 QO_{46}	15.4	X	151.52887	98.86161	328.77550	4.65560	0.2388878	0.22967014	2.6407849	20	5 4.2	19.9
38695 2000 QQ_{50}	15.6	X	48.13091	293.58617	134.25066	3.04257	0.1837522	0.26577330	2.3958621	20	—	—
38696 2000 QR_{58}	15.7	X	107.47212	342.38729	99.00222	6.94257	0.0689223	0.27850230	2.3222922	20	3 20.0	18.6
38697 2000 QM_{62}	16.2	X	28.93204	285.52590	91.05784	4.72838	0.1587738	0.30666419	2.1778469	20	—	—
38698 2000 QU_{63}	15.4	X	302.27635	219.77745	105.80753	4.97482	0.0709963	0.28859358	2.2678358	20	6 17.1	17.8
38699 2000 QX_{63}	15.7	X	16.06937	186.37963	58.22276	7.00770	0.0896087	0.28867231	2.2674235	20	6 22.8	17.8
38700 2000 QL_{65}	15.2	X	280.79237	318.12948	51.57169	7.68376	0.1284132	0.29035319	2.2586641	20	7 10.8	17.7
38701 2000 QB_{66}	12.0	X	49.62402	46.92244	96.69851	9.87913	0.1413697	0.12523580	3.9565537	20	4 13.9	17.2
38702 2000 QX_{66}	15.5	X	104.97674	343.62551	64.39669	3.28960	0.2001113	0.27030025	2.3690365	20	2 19.2	18.4
38703 2000 QR_{72}	16.4	X	62.76520	167.15715	170.49917	5.70674	0.1981472	0.30812029	2.1709801	20	—	—
38704 2000 QZ_{76}	15.8	X	353.89051	57.97835	348.60944	2.30712	0.1726133	0.25529573	2.4609740	20	—	—
38705 2000 QU_{80}	15.4	X	15.94416	228.31130	160.48089	0.98335	0.2092432	0.25533121	2.4607460	20	—	—
38706 2000 QP_{83}	14.8	X	202.55250	313.66265	340.93752	6.83634	0.1137012	0.27114875	2.3640917	20	1 1.9	18.4
38707 2000 QK_{89}	15.0	X	233.17875	177.11131	207.17071	5.93271	0.1165162	0.28665550	2.2780462	20	5 28.8	18.2
38708 2000 QQ_{89}	15.8	X	285.09233	72.90638	289.49460	3.01606	0.1826734	0.29102109	2.2552070	20	6 25.7	18.2
38709 2000 QO_{90}	13.0	X	109.03107	187.60627	265.75480	4.71511	0.2614438	0.12566132	3.9476166	20	5 4.0	19.1
38710 2000 QG_{97}	15.3	X	158.16564	301.05980	131.21240	5.55974	0.1334595	0.28094786	2.3087960	20	5 13.6	18.7
38711 2000 QU_{97}	15.4	X	147.82788	9.77424	58.05397	4.63705	0.2101088	0.22786462	2.6547163	20	5 2.2	19.6
38712 2000 QP_{103}	15.7	X	224.61163	306.48014	115.94783	4.52071	0.0961583	0.28929773	2.2641544	20	7 12.9	18.5
38713 2000 QJ_{116}	15.4	X	179.80146	322.30424	130.09557	3.88199	0.1237568	0.28662065	2.2782309	20	6 30.7	18.6
38714 2000 QS_{116}	15.0	X	74.27712	31.01113	45.02799	4.98589	0.1720363	0.26853480	2.3794084	20	2 6.7	17.3
38715 2000 QY_{120}	15.2	X	99.04581	170.99523	251.24419	5.16329	0.0962474	0.27128026	2.3633276	20	2 9.7	18.1
38716 2000 QL_{121}	15.4	X	4.10312	145.92281	217.40413	3.63851	0.1198675	0.25118184	2.4877719	20	11 26.2	18.2
38717 2000 QM_{121}	13.5	X	203.51323	242.67157	184.68735	20.77001	0.1336837	0.18518012	3.0484084	20	6 19.4	18.8
38718 2000 QW_{121}	14.8	X	305.61732	132.11425	235.27306	5.52747	0.1686055	0.24298001	2.5434450	20	8 5.6	17.5
38719 2000 QQ_{127}	15.3	X	220.23363	351.98856	8.74127	9.32840	0.1565292	0.27958899	2.3162708	20	4 8.5	18.9
38720 2000 QB_{128}	15.1	X	134.19591	212.27520	182.13926	6.80805	0.1053059	0.27012600	2.3700552	20	2 20.9	18.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
38721 2000 QQ_{128}	14.7	X	341.10831	181.08679	266.83469	3.98247	0.1551252	0.25800679	2.4437042	20	—	—
38722 2000 QU_{128}	14.9	X	304.07577	175.47319	193.16083	6.52969	0.2364794	0.24296891	2.5435224	20	7 24.7	17.5
38723 2000 QT_{129}	14.3	X	58.63967	263.08103	180.81523	6.33199	0.0722403	0.26524263	2.3990566	20	1 7.9	17.0
38724 2000 QW_{129}	15.1	X	359.49122	213.21256	162.66158	6.07405	0.1174366	0.25195094	2.4827066	20	12 6.7	18.0
38725 2000 QD_{130}	14.0	X	30.20129	24.27848	44.90849	16.52123	0.1580225	0.20509896	2.8476968	20	—	—
38726 2000 QQ_{131}	15.0	X	83.49170	247.07840	179.61652	6.56885	0.0915909	0.26733542	2.3865199	20	1 24.3	17.7
38727 2000 QR_{131}	16.3	X	230.30072	205.24060	133.91604	5.53933	0.2550704	0.27996020	2.3142229	20	3 19.8	20.3
38728 2000 QJ_{133}	16.2	X	231.97274	40.53029	1.07207	3.92051	0.1210349	0.29008755	2.2600428	20	6 19.5	19.4
38729 2000 QP_{137}	16.1	X	256.26125	1.30788	355.16130	2.45698	0.2405734	0.28589747	2.2820711	20	5 1.6	19.3
38730 2000 QE_{138}	15.2	X	199.11795	316.78690	138.69551	4.96411	0.1034117	0.23901515	2.5714954	20	7 24.4	19.0
38731 2000 QX_{138}	15.0	X	55.24548	5.06060	357.29561	2.03810	0.2140870	0.25788281	2.4444873	20	—	—
38732 2000 QF_{140}	15.1	X	93.05330	63.59631	15.86314	6.56820	0.0691910	0.27274856	2.3548382	20	2 25.3	17.8
38733 2000 QF_{141}	15.3	X	137.85069	15.35942	16.69788	6.88013	0.1176594	0.27266559	2.3553159	20	2 27.6	18.5
38734 2000 QC_{143}	16.0	X	60.25355	290.48973	137.82742	3.21931	0.1521049	0.26611872	2.3937885	20	—	—
38735 2000 QQ_{144}	14.4	X	318.97734	21.32963	152.16009	12.12189	0.0791136	0.21862370	2.7290064	20	—	—
38736 2000 QU_{144}	15.6	X	197.07339	279.32058	134.05964	3.53024	0.1298866	0.28356745	2.2945549	20	5 27.7	19.0
38737 2000 QN_{146}	15.8	X	264.72253	276.61767	46.93677	5.22199	0.0919995	0.28252085	2.3002183	20	4 16.7	18.7
38738 2000 QT_{146}	15.1	X	289.30967	338.25498	158.58490	12.20512	0.1202485	0.25883211	2.4385067	20	—	—
38739 2000 QO_{149}	15.5	X	318.75196	155.50948	219.08974	2.61287	0.2151022	0.29412311	2.2393223	20	9 27.1	16.7
38740 2000 QC_{152}	15.2	X	298.52650	268.81864	227.12821	1.74337	0.1310538	0.26022449	2.4298004	20	—	—
38741 2000 QO_{180}	13.7	X	238.03781	59.23484	34.52469	13.16686	0.1451289	0.23697652	2.5862222	20	9 7.2	17.5
38742 2000 QP_{184}	15.8	X	71.62333	328.63378	95.02444	6.26906	0.2268851	0.26901346	2.3765851	20	1 20.8	17.7
38743 2000 QB_{185}	16.4	X	164.79560	328.34460	49.58589	2.73982	0.1762598	0.27697359	2.3308294	20	3 12.5	19.9
38744 2000 QE_{186}	15.6	X	149.89709	9.26448	36.73633	6.33491	0.1109885	0.27896629	2.3197164	20	3 28.9	18.8
38745 2000 QM_{186}	15.3	X	201.68061	306.46538	75.90382	5.34850	0.1617387	0.28261055	2.2997315	20	4 21.6	18.8
38746 2000 QT_{186}	15.3	X	65.10726	245.91824	131.46058	7.07595	0.1320538	0.26311330	2.4119827	20	—	—
38747 2000 QE_{190}	16.0	X	34.18997	338.21141	48.57331	5.19206	0.1944318	0.25888097	2.4381999	20	—	—
38748 2000 QY_{191}	15.8	X	0.20476	244.30541	51.03816	7.31261	0.0518123	0.29376805	2.2411264	20	8 15.8	18.2
38749 2000 QU_{206}	15.5	X	158.09917	301.13835	145.99547	3.65180	0.1310162	0.28231635	2.3013289	20	6 1.2	18.8
38750 2000 QJ_{207}	14.9	X	198.67222	270.05294	175.87492	14.53520	0.1038096	0.23783381	2.5800036	20	7 10.0	19.0
38751 2000 QN_{207}	16.1	X	268.08223	145.22994	231.25081	0.81625	0.1160964	0.28923260	2.2644943	20	7 2.2	18.5
38752 2000 QY_{207}	16.1	X	100.69562	254.90608	153.43338	1.56162	0.1667696	0.26919528	2.3755149	20	2 6.7	18.8
38753 2000 QE_{217}	16.4	X	189.25192	130.33724	22.38560	3.34138	0.0141345	0.29897941	2.2150075	20	10 14.9	19.0
38754 2000 QG_{217}	15.3	X	11.83517	289.73865	6.85628	6.20746	0.1035648	0.28655217	2.2785938	20	9 9.7	17.4
38755 2000 QR_{227}	15.0	X	235.29430	105.45051	303.26728	2.27796	0.1278346	0.23824421	2.5770399	20	7 1.1	18.5
38756 2000 QG_{228}	15.6	X	213.07024	254.35660	175.28272	8.05781	0.1852932	0.23945078	2.5683756	20	6 29.5	19.9
38757 2000 RM_{1}	15.5	X	155.88940	61.74823	331.43959	2.04928	0.1822250	0.27476590	2.3432979	20	3 22.0	18.9
38758 2000 RS_{2}	14.9	X	145.58422	115.54804	14.48890	7.09290	0.1302137	0.28539900	2.2847275	20	7 17.6	18.4
38759 2000 RD_{3}	15.4	X	248.56966	240.04848	6.07768	7.25312	0.0633600	0.26840191	2.3801938	20	—	—
38760 2000 RG_{3}	15.2	X	123.52948	207.05297	177.79580	6.92107	0.1450232	0.26908862	2.3761425	20	1 31.9	18.5
38761 2000 RH_{3}	14.2	X	311.60900	252.92164	181.34436	12.48677	0.2844234	0.19888794	2.9066791	20	11 8.5	16.7
38762 2000 RK_{4}	15.6	X	82.25031	213.02135	150.57446	7.84168	0.2269793	0.26000412	2.4311732	20	—	—
38763 2000 RW_{5}	15.2	X	62.37869	19.09055	7.88564	1.14920	0.1878531	0.25975316	2.4327388	20	—	—
38764 2000 RB_{6}	14.9	X	18.18226	12.99529	19.57801	10.60602	0.2211590	0.25399250	2.4693849	20	—	—
38765 2000 RU_{6}	14.6	X	81.87398	60.79897	16.23280	9.40398	0.1359720	0.21747819	2.7385809	20	2 25.1	18.1
38766 2000 RV_{6}	15.3	X	102.99430	298.90226	176.93264	4.82554	0.1053379	0.27571463	2.3379193	20	5 4.6	18.2
38767 2000 RB_{7}	15.0	X	290.91805	184.97386	184.05174	3.73554	0.2029665	0.23910715	2.5708358	20	7 8.2	18.1
38768 2000 RF_{7}	15.0	X	80.63548	332.90189	46.13355	1.86241	0.1827748	0.26109839	2.4243757	20	—	—
38769 2000 RS_{7}	14.2	X	145.09707	237.27303	186.57854	11.15612	0.2543052	0.22298167	2.6933323	20	4 28.9	18.8
38770 2000 RT_{8}	14.4	X	65.88676	212.57359	198.21817	3.99231	0.2031615	0.20931044	2.8093690	20	1 2.8	17.3
38771 2000 RP_{9}	15.0	X	80.67435	241.82474	125.49606	3.43981	0.2019661	0.25739718	2.4475610	20	—	—
38772 2000 RR_{9}	14.9	X	282.64045	239.65057	125.05820	4.05146	0.2071949	0.23494142	2.6011356	20	6 19.2	18.3
38773 2000 RY_{9}	15.1	X	80.31216	223.72350	147.64496	2.76334	0.1831444	0.25726762	2.4483827	20	—	—
38774 2000 RD_{10}	14.5	X	135.41462	254.74712	164.17327	5.17729	0.1024353	0.26980992	2.3719058	20	3 28.1	17.7
38775 2000 RZ_{10}	13.8	X	251.75478	296.41356	64.16189	6.62859	0.2272865	0.23007841	2.6376599	20	5 6.9	17.9
38776 2000 RK_{11}	15.7	X	213.53894	194.40578	136.96949	2.95876	0.2581390	0.27292460	2.3538255	20	2 25.8	19.8
38777 2000 RS_{17}	15.5	X	235.08938	243.23174	187.57867	14.41816	0.2102529	0.24030626	2.5622765	20	7 18.3	19.8
38778 2000 RX_{19}	15.0	X	2.70877	169.28793	212.69713	5.88999	0.1473990	0.25349661	2.4726043	20	12 23.9	17.8
38779 2000 RH_{22}	15.7	X	314.38325	103.21157	307.83516	4.29170	0.0883984	0.29995577	2.2101983	20	11 19.8	17.7
38780 2000 RX_{30}	15.3	X	108.24746	109.36131	259.56308	5.37600	0.1403251	0.26586952	2.3952840	20	—	—
38781 2000 RN_{31}	15.5	X	198.63783	110.89925	242.73156	3.96080	0.1761460	0.27706121	2.3303379	20	3 9.4	19.3
38782 2000 RP_{31}	15.3	X	75.18795	213.00925	213.05679	8.23126	0.1208117	0.21756312	2.7378681	20	1 23.4	18.7
38783 2000 RU_{35}	15.0	X	91.44807	222.80592	186.48796	11.19198	0.2753049	0.21580149	2.7527478	20	2 17.9	18.8
38784 2000 RT_{42}	16.0	X	201.39410	37.36367	291.92780	5.69036	0.1507541	0.27403038	2.3474890	20	2 11.2	19.5
38785 2000 RR_{43}	14.2	X	216.15414	176.74708	290.22002	9.17055	0.1620448	0.24029281	2.5623721	20	8 19.2	18.1
38786 2000 RG_{45}	15.1	X	168.81927	51.05028	341.87096	6.96440	0.1142305	0.27559215	2.3386119	20	3 28.8	18.6
38787 2000 RU_{45}	15.3	X	180.06175	113.74380	245.99518	5.79244	0.1409621	0.27323468	2.3520443	20	2 27.3	19.0
38788 2000 RW_{45}	14.5	X	206.39045	155.11306	234.48584	6.03317	0.2342966	0.22970269	2.6405354	20	5 2.1	18.9
38789 2000 RB_{46}	14.3	X	99.76519	208.97998	221.39081	4.99085	0.1103100	0.26959498	2.3731663	20	2 24.3	17.2
38790 2000 RE_{46}	14.4	X	90.69539	86.82574	320.42737	5.99545	0.0892383	0.26532543	2.3985575	20	1 10.9	17.2
38791 2000 RU_{46}	14.9	X	155.33987	52.92737	270.91596	2.28694	0.2142180	0.26588097	2.3952152	20	—	—
38792 2000 RA_{49}	14.5	X	169.18803	136.67798	226.33783	8.28032	0.1932521	0.21886610	2.7269911	20	2 27.9	19.2
38793 2000 RY_{49}	15.5	X	80.50215	302.33700	18.11812	3.27989	0.1606834	0.30406472	2.1902416	20	—	—
38794 2000 RC_{50}	14.6	X	221.01543	242.43788	174.69770	3.75334	0.1707308	0.28351804	2.2948216	20	6 23.5	18.0
38795 2000 RA_{51}	14.0	X	63.48484	141.46930	219.00216	6.84985	0.1171668	0.25495176	2.4631870	20	—	—
38796 2000 RK_{51}	14.9	X	279.67973	187.00085	188.07881	5.74583	0.1709017	0.23719435	2.5846386	20	7 4.7	18.2
38797 2000 RW_{51}	14.8	X	36.01735	25.95585	287.73567	5.29526	0.1911304	0.29420202	2.2389219	20	11 25.1	17.7
38798 2000 RB_{54}	14.6	X	7.48129	163.45723	127.74622	3.21662	0.0092056	0.23417210	2.6068294	20	8 7.7	18.0
38799 2000 RE_{54}	14.7	X	194.29711	303.40550	65.66981	7.01996	0.0534440	0.22113630	2.7082954	20	4 2.5	18.6
38800 2000 RA_{55}	14.2	X	309.65158	285.35007	342.71686	13.13276	0.1823695	0.22785921	2.6547583	20	3 18.6	17.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
38801 2000 RS_{55}	14.6	X	325.16473	172.71159	202.24385	9.20406	0.1480790	0.19096612	2.9865182	20	9 17.3	18.1
38802 2000 RW_{60}	15.4	X	352.75171	31.64040	282.74644	5.76140	0.1884917	0.29203710	2.2499733	20	9 5.9	17.1
38803 2000 RH_{62}	14.6	X	231.65275	101.95139	186.81741	2.24704	0.1914438	0.26632561	2.3925486	20	1 20.8	18.6
38804 2000 RB_{64}	14.9	X	124.73945	34.58913	339.98521	6.32743	0.1414618	0.26734337	2.3864725	20	1 22.7	17.9
38805 2000 RL_{65}	15.3	X	347.40888	314.63961	20.95370	6.93996	0.1537141	0.29508605	2.2344481	20	10 1.9	16.8
38806 2000 RH_{66}	15.2	X	328.92947	220.91929	89.99736	3.78603	0.1744306	0.28846102	2.2685305	20	7 1.2	16.5
38807 2000 RM_{68}	14.9	X	334.44853	339.30197	27.33799	6.74963	0.1616746	0.24644988	2.5195151	20	10 10.2	17.0
38808 2000 RX_{68}	16.1	X	33.83358	86.93045	316.43832	1.30499	0.2076728	0.25850287	2.4405768	20	—	—
38809 2000 RT_{69}	13.8	X	86.42271	4.71348	180.08896	9.75887	0.0261489	0.18564228	3.0433469	20	7 1.1	18.2
38810 2000 RP_{70}	14.9	X	348.35568	316.86220	106.59992	3.03376	0.1282862	0.25503193	2.4626707	20	—	—
38811 2000 RW_{71}	14.4	X	314.10942	323.12162	17.76729	13.02337	0.2499840	0.18983808	2.9983373	20	6 28.9	18.0
38812 2000 RL_{72}	14.6	X	296.46694	186.24797	196.77039	2.35072	0.1325802	0.24075913	2.5590624	20	8 18.9	17.6
38813 2000 RP_{72}	14.7	X	81.02316	30.61535	7.60165	1.01445	0.1865084	0.26263734	2.4148958	20	—	—
38814 2000 RR_{72}	14.9	X	284.02993	321.99139	8.66688	3.85883	0.1953310	0.23414435	2.6070354	20	5 6.0	18.4
38815 2000 RY_{73}	15.5	X	130.29877	148.29551	192.56097	2.39727	0.1891208	0.26404092	2.4063302	20	—	—
38816 2000 RZ_{73}	15.3	X	220.18691	52.98274	309.96409	0.18291	0.2276087	0.27907643	2.3191060	20	4 9.3	19.2
38817 2000 RH_{74}	15.5	X	218.18405	194.01758	155.30700	6.29610	0.1575659	0.27808216	2.3246307	20	3 25.5	19.0
38818 2000 RJ_{74}	14.8	X	94.21323	275.69006	124.56076	5.09511	0.0767505	0.26515685	2.3995740	20	1 3.9	17.4
38819 2000 RX_{75}	14.7	X	200.57326	36.40321	323.44045	7.03896	0.1358109	0.27549366	2.3391692	20	3 18.5	18.4
38820 2000 RB_{77}	15.0	X	214.46843	297.69394	61.88739	7.29972	0.1369678	0.27507579	2.3415376	20	4 6.7	18.6
38821 Linchinghsia	15.1	X	243.67454	182.73814	189.30974	2.96260	0.1615474	0.28397126	2.2923792	20	5 19.2	18.4
38822 2000 RY_{83}	15.3	X	22.87752	283.47802	309.80958	6.50416	0.0826503	0.28581476	2.2825113	20	6 16.9	17.6
38823 2000 RN_{87}	15.2	X	218.07625	189.66512	239.15283	0.62009	0.0964543	0.18758135	3.0223374	20	7 8.9	19.8
38824 2000 RG_{91}	16.0	X	347.89298	50.29441	300.41689	1.91126	0.0976792	0.29703197	2.2246785	20	10 19.2	17.9
38825 2000 RS_{91}	15.5	X	22.10595	202.37445	217.01533	6.12280	0.1071873	0.25926037	2.4358205	20	—	—
38826 2000 RZ_{92}	14.9	X	69.52325	107.61886	347.72414	10.55793	0.1072596	0.26835473	2.3804727	20	2 17.3	17.4
38827 2000 RQ_{93}	15.8	X	157.89722	7.66062	98.04885	4.35590	0.0675522	0.28645059	2.2791325	20	6 23.6	18.7
38828 2000 RQ_{94}	16.3	X	196.94575	119.80115	172.28349	2.68211	0.0662765	0.31812928	2.1252023	20	—	—
38829 2000 RQ_{96}	15.2	X	227.06010	350.81607	309.99746	5.84001	0.1086679	0.27331240	2.3515984	20	2 2.2	18.4
38830 2000 RK_{99}	12.8	X	116.13788	216.18383	235.94428	14.95578	0.1869753	0.12633433	3.9335842	20	5 2.0	18.8
38831 2000 RC_{105}	14.2	X	181.32047	109.74399	298.50334	12.13513	0.1686731	0.22867653	2.6484289	20	4 30.8	18.9
38832 2000 RH_{105}	14.7	X	250.31441	70.70040	285.36643	9.98331	0.1936860	0.23271703	2.6176843	20	4 28.8	19.0
38833 2000 SC	14.0	X	271.44442	72.48376	319.10150	28.09216	0.2029896	0.23699426	2.5860932	20	7 19.2	17.7
38834 2000 SP_{1}	14.1	X	215.60179	90.89904	281.82461	20.23698	0.2744672	0.17932725	3.1143818	20	4 11.3	20.0
38835 2000 SS_{2}	14.4	X	209.22296	359.26082	22.17820	13.50435	0.1646238	0.23207455	2.6225133	20	4 25.2	18.6
38836 2000 SS_{19}	14.7	X	39.59927	226.96867	262.78120	11.32537	0.1065017	0.22058149	2.7128347	20	2 15.3	18.1
38837 2000 SM_{23}	14.5	X	241.60537	290.14199	145.15548	10.33692	0.1662783	0.23684993	2.5871437	20	8 7.5	18.3
38838 2000 SB_{31}	16.2	X	212.58723	86.45480	30.15136	3.52005	0.1148493	0.29495455	2.2351121	20	9 12.7	19.0
38839 2000 SU_{32}	15.9	X	208.78723	27.09246	90.71213	2.77938	0.0957516	0.29394014	2.2402516	20	9 12.0	18.7
38840 2000 SH_{39}	14.1	X	185.22381	332.81656	29.66544	13.67626	0.1943984	0.22567073	2.6718940	20	3 19.4	18.7
38841 2000 SH_{43}	15.4	X	237.47850	134.79557	202.32614	5.99172	0.1420027	0.27974815	2.3153922	20	3 27.4	18.8
38842 2000 SW_{44}	15.5	X	342.81931	91.28822	246.46742	3.25545	0.1827091	0.29447193	2.2375536	20	9 24.3	17.0
38843 2000 SN_{49}	15.7	X	113.21487	247.51199	248.90968	4.53076	0.0886596	0.28440629	2.2900409	20	6 12.7	18.5
38844 2000 SW_{58}	16.3	X	206.74226	160.75645	359.39725	4.99397	0.0393111	0.30078076	2.2061549	20	11 13.7	19.0
38845 2000 SL_{59}	15.6	X	225.89040	139.78236	308.84326	2.17416	0.1915869	0.24035047	2.5619623	20	8 5.6	19.5
38846 2000 SH_{68}	16.1	X	64.52811	281.18954	103.75087	3.69362	0.1772167	0.26076852	2.4264198	20	—	—
38847 2000 SJ_{68}	15.2	X	151.60224	38.26059	29.79719	14.63052	0.1087524	0.22796822	2.6539120	20	4 27.7	19.2
38848 2000 SN_{68}	16.3	X	145.23794	23.79140	12.51366	6.55612	0.1049349	0.27388474	2.3483212	20	3 10.2	19.5
38849 2000 SS_{68}	16.0	X	190.97120	17.59623	97.75283	3.93777	0.0396311	0.29065153	2.2571182	20	8 21.9	18.7
38850 2000 SW_{68}	16.2	X	162.20268	279.45121	356.87386	0.59218	0.0511926	0.31101497	2.1574887	20	—	—
38851 2000 SM_{69}	15.5	X	82.67418	192.62777	66.28731	4.20676	0.0206773	0.24632232	2.5203849	20	10 11.0	18.7
38852 2000 SR_{70}	15.2	X	249.83803	241.25597	143.83634	3.25280	0.1197831	0.23627809	2.5913162	20	6 17.7	18.9
38853 2000 SW_{71}	14.8	X	286.89123	305.77500	28.23634	13.91260	0.1813625	0.23651975	2.5895508	20	5 14.4	18.3
38854 2000 SY_{71}	15.4	X	85.16108	221.94326	103.94560	3.42535	0.1929881	0.25771069	2.4455756	20	—	—
38855 2000 SY_{81}	15.1	X	176.16887	59.92263	148.77963	4.61867	0.0633909	0.25206290	2.4819714	20	11 29.0	18.5
38856 2000 SH_{87}	15.6	X	334.75791	304.28199	48.57638	8.83347	0.2564143	0.24470948	2.5314471	20	9 24.9	17.3
38857 2000 SE_{88}	14.6	X	55.89973	352.55207	68.05146	9.21875	0.2159898	0.21145977	2.7902999	20	—	—
38858 2000 SB_{91}	13.2	X	108.70104	223.61211	279.92290	13.57505	0.1309515	0.17993305	3.1073875	20	6 20.3	17.8
38859 2000 SL_{92}	14.9	X	166.89952	201.00344	233.07937	11.45713	0.1721901	0.23219993	2.6215692	20	5 24.8	19.1
38860 2000 SH_{100}	15.7	X	111.97416	88.19093	280.65379	9.19469	0.1045553	0.26488730	2.4012016	20	—	—
38861 2000 SB_{104}	15.5	X	249.28008	101.28261	340.74466	2.64545	0.1456732	0.24278238	2.5448251	20	8 30.2	18.7
38862 2000 SD_{105}	14.9	X	352.45171	350.89440	130.25013	3.21179	0.1581432	0.26115255	2.4240405	20	—	—
38863 2000 SX_{108}	15.1	X	146.67619	292.22057	163.76949	1.90301	0.0737725	0.28119109	2.3074644	20	5 27.6	18.2
38864 2000 SZ_{108}	15.1	X	280.00829	9.90674	46.52824	1.95598	0.1588489	0.24372194	2.5382806	20	9 7.1	18.1
38865 2000 SD_{111}	15.8	X	276.76361	165.84399	165.74244	2.38892	0.1287188	0.28437749	2.2901956	20	5 8.3	18.6
38866 2000 SK_{111}	16.1	X	80.71764	278.25019	97.02559	1.57761	0.2129818	0.26185000	2.4197342	20	—	—
38867 2000 SF_{112}	14.9	X	228.14822	182.56731	286.22987	0.72514	0.0902297	0.19335375	2.9618813	20	9 9.7	19.1
38868 2000 SX_{112}	15.4	X	115.13758	275.34889	21.28831	6.50637	0.1757723	0.30829173	2.1701752	20	—	—
38869 2000 SL_{113}	15.2	X	191.36864	287.11630	178.05713	4.97710	0.1078650	0.28752273	2.2734632	20	7 30.8	18.3
38870 2000 SQ_{114}	15.2	X	244.17080	154.53844	182.98081	3.43081	0.0718020	0.22954999	2.6417063	20	4 15.1	18.9
38871 2000 SO_{115}	14.9	X	101.56732	59.02769	22.90963	5.82963	0.1659242	0.27136066	2.3628607	20	3 25.9	17.7
38872 2000 SP_{116}	14.1	X	153.85168	214.77459	158.73965	1.50443	0.1612119	0.17120535	3.2121156	20	3 3.1	19.1
38873 2000 SB_{117}	15.1	X	285.13485	268.91138	127.94306	2.63142	0.1749442	0.24154723	2.5534930	20	8 14.3	17.9
38874 2000 SZ_{119}	15.9	X	18.95007	200.42028	80.59850	4.87273	0.1389804	0.29134890	2.2535150	20	9 6.1	18.0
38875 2000 SA_{120}	13.6	X	69.98733	37.57096	193.66973	9.20875	0.1051459	0.18940199	3.0029380	20	8 19.3	17.8
38876 2000 SX_{120}	15.5	X	49.76991	75.33348	52.71406	7.18078	0.0611995	0.27099584	2.3649809	20	2 28.1	18.2
38877 2000 SE_{121}	15.3	X	68.89231	173.82363	165.23308	5.60896	0.1802659	0.30613000	2.1803797	20	—	—
38878 2000 SL_{121}	14.3	X	329.94685	291.68205	40.85730	14.92453	0.1289375	0.24061544	2.5600811	20	8 15.5	17.3
38879 2000 SO_{121}	15.2	X	110.64825	195.98466	172.23826	6.65743	0.1250119	0.26432231	2.4046221	20	—	—
38880 2000 SD_{123}	15.1	X	184.40629	289.87407	184.27349	11.44227	0.2063047	0.23482674	2.6019824	20	7 27.2	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
38881 2000 SE_{123}	15.7	X	357.77435	187.15103	142.78897	4.57988	0.1817357	0.24473825	2.5312487	20	10 5.9	18.0
38882 2000 SG_{123}	15.3	X	68.02403	68.54410	138.36165	5.62126	0.0869358	0.28499072	2.2869091	20	7 22.1	17.8
38883 2000 SZ_{123}	15.5	X	105.17269	203.32663	146.65626	3.57825	0.1680665	0.26155318	2.4215645	20	—	—
38884 2000 SF_{124}	15.6	X	180.41042	178.41619	191.56581	5.35985	0.1182588	0.27407035	2.3472608	20	3 12.7	18.9
38885 2000 SG_{126}	14.1	X	235.33477	242.74361	53.86350	16.05985	0.0634700	0.22059188	2.7127495	20	2 22.3	18.4
38886 2000 SW_{126}	14.4	X	240.39422	216.30965	153.48078	7.15197	0.1803886	0.18121467	3.0927191	20	5 14.1	19.3
38887 2000 SN_{134}	14.4	X	148.69447	226.66589	245.89032	12.11760	0.2011182	0.18291999	3.0734673	20	6 24.9	19.6
38888 2000 SA_{137}	14.7	X	208.53975	212.12742	211.50281	12.72236	0.0718821	0.23582079	2.5946652	20	6 24.0	18.6
38889 2000 SJ_{146}	15.4	X	175.39187	174.03023	207.21325	6.76172	0.1227885	0.27551297	2.3390599	20	3 21.6	19.0
38890 2000 SO_{146}	15.4	X	295.80952	346.33735	0.19899	4.55926	0.0657961	0.28769624	2.2725490	20	7 10.4	17.8
38891 2000 SO_{148}	15.1	X	31.70130	241.98008	226.24864	4.19191	0.2481317	0.21324037	2.7747451	20	1 11.7	17.5
38892 2000 SS_{148}	14.6	X	94.31832	89.38997	18.80727	21.99618	0.0445582	0.22492310	2.6778115	20	4 5.6	18.1
38893 2000 SH_{149}	15.2	X	194.24608	47.02577	35.67494	3.16585	0.0528159	0.23500367	2.6006762	20	7 5.1	18.8
38894 2000 SC_{152}	14.7	X	120.16246	230.05624	174.25221	3.45081	0.1923164	0.21927542	2.7235964	20	3 6.0	18.7
38895 2000 SE_{152}	15.4	X	290.94848	299.58013	24.83178	7.59624	0.1432001	0.28489884	2.2874008	20	5 13.4	18.0
38896 2000 SB_{153}	15.8	X	3.58047	134.51603	206.79638	0.62650	0.1608540	0.24669116	2.5178721	20	10 29.7	18.2
38897 2000 SO_{154}	15.3	X	1.23345	24.59535	84.96407	2.25379	0.1438556	0.26007003	2.4307624	20	—	—
38898 2000 SD_{155}	15.8	X	170.36689	217.11839	107.95548	3.47606	0.2086263	0.26823633	2.3811732	20	1 14.1	19.4
38899 2000 SG_{157}	16.0	X	16.59057	92.47017	109.54893	0.78701	0.0422577	0.27963605	2.3160110	20	4 16.7	18.5
38900 2000 SH_{157}	15.4	X	308.19043	4.75389	186.95330	6.09004	0.1551244	0.26831562	2.3807041	20	—	—
38901 2000 SQ_{157}	15.8	X	356.40457	308.30572	246.34749	3.29642	0.0600353	0.27639865	2.3340604	20	3 1.6	18.5
38902 2000 SO_{158}	15.2	X	60.36264	124.11906	5.28185	21.87492	0.0487557	0.22347990	2.6893278	20	3 19.9	18.7
38903 2000 SP_{160}	13.7	X	270.88369	328.22795	74.01246	18.22592	0.1901902	0.18320666	3.0702604	20	7 26.1	18.2
38904 2000 SG_{162}	14.9	X	331.48309	261.66297	102.75939	13.50733	0.1847099	0.24584918	2.5236175	20	10 8.5	17.5
38905 2000 SW_{167}	15.3	X	307.91295	76.54948	291.59235	3.93106	0.0601285	0.24196956	2.5505209	20	8 25.0	18.4
38906 2000 SE_{169}	15.1	X	112.69851	167.81830	266.42145	6.01154	0.0886154	0.27271976	2.3550040	20	3 13.4	18.1
38907 2000 SC_{170}	14.8	X	334.91634	76.46225	12.16750	8.00539	0.1350819	0.20356780	2.8619584	20	—	—
38908 2000 SX_{170}	15.0	X	283.35120	257.98167	15.61600	8.30930	0.1057610	0.27555142	2.3388424	20	3 3.7	18.0
38909 2000 SQ_{172}	12.9	X	307.67835	296.74907	87.16557	12.72793	0.0502943	0.18500319	3.0503516	20	9 16.4	17.2
38910 2000 SA_{178}	14.0	X	236.44268	192.28445	235.72340	10.06698	0.0744506	0.18706230	3.0279256	20	7 27.9	18.6
38911 2000 SW_{178}	14.3	X	182.19395	346.19194	289.47698	5.34615	0.0442288	0.25999899	2.4312051	20	—	—
38912 2000 SK_{179}	14.6	X	142.54917	312.01893	5.45255	8.45074	0.0905808	0.26103578	2.4247633	20	—	—
38913 2000 SY_{184}	15.1	X	270.26980	357.73310	33.71573	14.53511	0.1502715	0.23997650	2.5646232	20	7 22.8	18.7
38914 2000 SQ_{186}	15.3	X	145.97828	176.34888	236.91636	5.67406	0.0820085	0.27539009	2.3397557	20	3 27.1	18.5
38915 2000 SR_{189}	14.9	X	187.29375	257.78458	243.53678	10.51999	0.2122520	0.24150228	2.5538099	20	8 30.1	19.4
38916 2000 SY_{189}	14.3	X	230.43108	175.84593	206.77862	21.61899	0.0883916	0.18015365	3.1048504	20	5 26.6	19.2
38917 2000 SE_{190}	16.3	X	283.82070	18.93554	39.93825	3.47293	0.0996797	0.29792506	2.2202303	20	10 7.3	18.4
38918 2000 SS_{205}	16.0	X	267.78060	212.49872	18.29415	2.46515	0.1607914	0.26831025	2.3807358	20	—	—
38919 2000 SS_{218}	13.9	X	174.45232	318.43535	57.47955	13.98946	0.1908097	0.22428646	2.6828765	20	3 28.5	18.6
38920 2000 SW_{218}	14.7	X	301.38188	109.01853	175.33232	14.13551	0.0931726	0.22952597	2.6418906	20	4 17.1	18.2
38921 2000 SG_{219}	14.3	X	67.80270	247.22266	142.77095	10.44336	0.1972229	0.21025608	2.8009392	20	—	—
38922 2000 SF_{221}	15.3	X	287.28868	207.46622	98.87884	7.66018	0.1527240	0.28155138	2.3054955	20	4 16.5	18.2
38923 2000 SM_{221}	14.5	X	222.47860	259.97248	87.59102	11.10384	0.1238231	0.22681453	2.6629037	20	4 5.7	18.8
38924 2000 SB_{222}	13.7	X	168.28201	351.46329	129.71075	11.99588	0.0807008	0.18312628	3.0711587	20	7 21.6	18.3
38925 2000 SE_{222}	15.3	X	194.21472	186.06142	164.83034	13.48592	0.1105625	0.27251849	2.3561634	20	3 3.1	18.6
38926 2000 SH_{226}	14.5	X	313.39002	300.08682	119.23195	6.92991	0.2328544	0.24656859	2.5187064	20	11 14.7	16.4
38927 2000 SV_{226}	14.5	X	270.96259	284.96296	157.12090	10.43809	0.0935914	0.19265935	2.9689940	20	10 1.5	18.5
38928 2000 SY_{226}	14.0	X	182.88637	228.55007	186.72077	15.87284	0.1091941	0.17652861	3.1472119	20	5 18.3	19.1
38929 2000 SH_{227}	14.6	X	243.82131	288.83889	160.75232	12.87041	0.1376529	0.23907616	2.5710579	20	9 3.1	18.1
38930 2000 SW_{230}	15.2	X	91.76549	250.53201	198.33486	1.99053	0.0637664	0.22141806	2.7059973	20	3 9.5	18.8
38931 2000 SY_{234}	14.2	X	72.64946	280.65785	136.87310	10.00635	0.1448924	0.21761838	2.7374046	20	1 13.5	17.3
38932 2000 SL_{236}	15.3	X	217.90343	248.22393	4.73219	4.81278	0.0080625	0.21377229	2.7701404	20	—	—
38933 2000 SE_{237}	15.2	X	51.45226	61.48582	148.17965	2.54916	0.1622982	0.28328105	2.2961012	20	7 13.5	17.5
38934 2000 SB_{239}	15.6	X	266.20978	182.07769	128.09147	7.25413	0.1313231	0.27878387	2.3207283	20	3 28.5	18.8
38935 2000 SC_{239}	14.6	X	107.77941	250.54901	114.55025	8.75457	0.2363658	0.21325154	2.7746483	20	1 11.0	18.5
38936 2000 SD_{258}	15.8	X	219.04876	235.48642	207.24880	2.17297	0.1117673	0.23801867	2.5786676	20	7 28.8	19.6
38937 2000 SL_{258}	15.0	X	264.79014	188.90458	132.66239	4.47773	0.0867115	0.23019140	2.6367967	20	4 18.8	18.7
38938 2000 SU_{258}	15.8	X	277.14320	152.97725	154.32943	6.59840	0.1083789	0.28055757	2.3109367	20	4 9.3	18.8
38939 2000 SH_{260}	14.9	X	294.12893	122.83206	208.36184	11.04097	0.0901171	0.23430601	2.6058361	20	6 8.5	18.3
38940 2000 SY_{265}	15.5	X	146.71478	21.19724	130.28415	5.56530	0.0745565	0.28826558	2.2695557	20	8 14.5	18.5
38941 2000 SN_{269}	14.7	X	284.52637	50.07883	134.26557	6.08638	0.0280679	0.26111798	2.4242544	20	—	—
38942 2000 SA_{271}	15.3	X	340.11761	33.59979	150.71905	5.51419	0.1625917	0.26834337	2.3805399	20	1 9.5	18.0
38943 2000 SQ_{273}	14.9	X	18.50141	159.67633	21.91340	13.74744	0.0550455	0.22443633	2.6816820	20	3 28.9	18.2
38944 2000 SF_{274}	14.6	X	40.61740	15.60785	124.15202	3.15332	0.1739465	0.21886838	2.7269722	20	3 14.8	17.2
38945 2000 SO_{274}	15.4	X	229.21369	271.94465	51.23569	3.62349	0.2076163	0.27642945	2.3338871	20	3 1.3	19.3
38946 2000 SS_{274}	15.6	X	121.10506	30.27298	149.64547	1.89332	0.0595294	0.28759665	2.2730736	20	8 21.3	18.3
38947 2000 SD_{287}	14.9	X	349.89977	214.09577	300.25547	11.29784	0.0801205	0.26485355	2.4014056	20	—	—
38948 2000 ST_{292}	14.4	X	123.28228	82.50392	312.83022	8.75639	0.0590745	0.21829553	2.7317408	20	2 10.1	18.2
38949 2000 SJ_{295}	14.6	X	133.06184	6.39925	23.91331	14.78706	0.1878748	0.21743785	2.7389196	20	3 8.1	19.0
38950 2000 ST_{295}	14.3	X	279.52286	130.51774	263.37868	7.44023	0.0900845	0.28767710	2.2726498	20	8 16.7	17.0
38951 2000 SA_{296}	14.5	X	357.57490	45.86443	292.46003	6.07685	0.1729761	0.29282067	2.2459577	20	10 25.5	16.6
38952 2000 SG_{309}	15.9	X	319.94192	296.10086	326.49998	6.54523	0.1051295	0.27998689	2.3140758	20	4 2.8	18.4
38953 2000 SK_{310}	14.6	X	342.88122	291.50227	250.67591	21.04844	0.2473200	0.27012944	2.3700350	20	—	—
38954 2000 SD_{313}	14.3	X	99.64559	230.25849	288.29829	14.13441	0.0823044	0.23256768	2.6188049	20	6 24.6	17.9
38955 2000 SE_{319}	14.9	X	82.79111	129.76354	296.07273	11.40824	0.1240221	0.21556999	2.7547183	20	2 4.6	18.4
38956 2000 SR_{336}	15.0	X	201.52717	199.49356	210.72877	13.97945	0.0871852	0.23033676	2.6356873	20	5 29.9	19.1
38957 2000 SZ_{336}	15.4	X	71.22049	355.31527	33.64584	6.73023	0.1363173	0.25948931	2.4343876	20	—	—
38958 2000 SL_{337}	15.5	X	18.94277	211.57635	272.96178	1.02817	0.1419933	0.21776803	2.7361504	20	1 9.4	18.4
38959 2000 SE_{363}	15.9	X	122.08048	159.20523	338.33494	3.45009	0.1356532	0.28652369	2.2787448	20	6 30.9	19.0
38960 Yeungchihung	14.4	X	268.39432	196.88763	192.80281	1.18849	0.2781677	0.18567531	3.0429859	20	6 22.8	18.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
38961 2000 TG_1	15.1	X	136.78300	108.62971	304.47689	1.79735	0.1767608	0.22173812	2.7033928	20	3 31.1	19.4
38962 Chuwinghung	13.7	X	39.40555	30.57517	69.07425	8.88937	0.1885147	0.21132640	2.7914737	20	1 17.9	16.5
38963 2000 TJ_{14}	14.9	X	282.11244	14.16346	50.79333	2.75521	0.0714794	0.19498472	2.9453416	20	9 27.1	18.8
38964 2000 TU_{18}	15.7	X	124.41316	185.02600	218.52915	1.28923	0.0747940	0.22090932	2.7101502	20	2 23.6	19.4
38965 2000 TB_{29}	14.7	X	237.96456	91.81217	276.27366	10.54277	0.2102312	0.23180207	2.6245681	20	5 1.2	19.0
38966 2000 TW_{35}	15.5	X	66.02304	189.65476	301.09618	2.62829	0.1630444	0.22292083	2.6938223	20	4 11.4	18.6
38967 2000 TF_{36}	15.9	X	137.88555	258.42694	233.82274	4.30790	0.0679223	0.23362064	2.6109301	20	7 3.4	19.6
38968 2000 TF_{55}	15.6	X	10.47969	318.43282	152.31368	1.29074	0.1771504	0.21149667	2.7899753	20	—	—
38969 2000 TV_{55}	15.2	X	11.95664	220.10336	100.52556	7.72168	0.1759296	0.29501373	2.2348132	20	11 2.0	17.5
38970 2000 TC_{58}	15.4	X	73.19006	206.46250	61.17990	4.62786	0.0991110	0.24656342	2.5187416	20	10 20.7	18.8
38971 2000 TQ_{60}	14.8	X	198.08966	251.15115	139.40210	14.78240	0.1082490	0.22935280	2.6432202	20	5 4.9	19.1
38972 2000 TE_{61}	15.1	X	300.68579	0.07345	118.42229	12.62204	0.1697107	0.25364478	2.4716413	20	—	—
38973 2000 TQ_{61}	14.9	X	241.50339	267.57955	81.75984	11.65912	0.2267999	0.23212534	2.6221308	20	4 18.0	19.3
38974 2000 TK_{62}	16.0	X	349.35674	299.88096	308.47037	2.26200	0.0817412	0.28194021	2.3033753	20	5 7.9	18.3
38975 2000 TH_{66}	16.6	X	348.68782	253.90625	32.22010	2.01887	0.1301056	0.28757041	2.2732119	20	7 7.7	18.4
38976 Taeve	15.6	X	94.44244	59.79750	271.76313	5.02015	0.1010089	0.25654859	2.4529553	20	—	—
38977 2000 UV	14.6	X	145.12244	225.09353	199.13074	0.50590	0.1864926	0.17266032	3.1940449	20	4 25.1	19.7
38978 2000 UA_2	15.1	X	262.33558	260.94982	65.13266	4.45868	0.1582543	0.22992024	2.6388695	20	4 12.4	18.9
38979 2000 UB_2	14.3	X	275.36427	321.89262	65.40239	4.72277	0.1404164	0.18714317	3.0270533	20	7 18.8	18.5
38980 Gaoyaojie	14.9	X	173.13078	287.57966	60.18290	6.52923	0.2751433	0.27049803	2.3678816	20	2 18.9	19.1
38981 2000 UW_3	13.5	X	257.61700	49.50295	222.85648	20.47261	0.0193925	0.16967848	3.2313565	20	2 13.3	18.5
38982 2000 UD_4	15.3	X	311.72133	301.84331	225.29055	6.17270	0.0549615	0.26328822	2.4109142	20	—	—
38983 2000 UT_4	14.9	X	254.78534	10.96702	248.39150	1.58393	0.1729521	0.26782347	2.3836196	20	1 6.4	18.6
38984 2000 UZ_4	14.6	X	83.00317	357.19486	59.70259	0.48801	0.2421841	0.16317844	3.3166084	20	2 21.0	18.9
38985 2000 UA_5	15.0	X	55.11444	306.98188	54.10141	2.41302	0.0899179	0.20316935	2.8656991	20	—	—
38986 2000 UP_5	14.8	X	357.67790	273.06124	78.79573	6.14621	0.1773238	0.24492224	2.5299808	20	11 6.8	17.4
38987 2000 UB_8	14.9	X	165.83447	40.90291	49.60604	1.33460	0.1046692	0.22996740	2.6385087	20	6 11.9	18.8
38988 2000 UJ_{12}	15.7	X	191.10222	279.30932	29.75461	1.42568	0.1228353	0.26642293	2.3919659	20	1 8.9	19.3
38989 2000 UF_{13}	15.3	X	63.92510	24.75755	338.16474	5.45183	0.2334277	0.25649199	2.4533161	20	—	—
38990 2000 UZ_{17}	15.5	X	77.50131	299.28342	114.67382	5.98358	0.0502706	0.21446776	2.7641485	20	1 5.5	19.0
38991 2000 UE_{19}	13.6	X	147.07000	313.68584	128.17047	12.56020	0.1715278	0.22510473	2.6763709	20	5 20.0	18.1
38992 2000 UN_{20}	15.1	X	295.79061	30.96986	62.07333	2.95968	0.0499734	0.19969116	2.8988795	20	11 23.2	18.9
38993 2000 UX_{20}	15.6	X	179.94320	8.40567	196.97134	6.01726	0.1162271	0.30004295	2.2097701	20	12 3.7	18.6
38994 2000 UZ_{21}	15.2	X	335.34928	129.55757	191.64489	9.46885	0.0971647	0.23858140	2.5746112	20	7 29.5	18.3
38995 2000 UJ_{24}	14.7	X	100.54488	277.38276	79.80330	6.72225	0.0914774	0.20964330	2.8063945	20	—	—
38996 2000 UM_{25}	14.6	X	359.99732	83.49056	91.26416	5.79900	0.1304246	0.26787649	2.3833051	20	2 5.7	16.9
38997 2000 UF_{26}	14.0	X	231.72772	26.51938	67.88848	13.47647	0.2130665	0.23816093	2.5776407	20	8 22.8	18.2
38998 2000 UP_{26}	14.3	X	105.16016	271.51257	199.97755	12.32298	0.1418596	0.22278086	2.6949505	20	5 8.5	18.2
38999 2000 UV_{26}	13.7	X	122.06544	254.58811	205.81470	14.53771	0.1445510	0.22372255	2.6873828	20	5 13.4	17.7
39000 2000 UZ_{26}	16.0	X	204.36968	180.01097	162.59195	5.67593	0.1594100	0.27305166	2.3530952	20	3 3.1	19.5
39001 2000 UN_{27}	14.8	X	79.00179	70.08472	85.79612	12.28097	0.1333203	0.22451643	2.6810441	20	6 1.7	18.3
39002 2000 UO_{33}	14.8	X	85.91675	351.89102	29.88083	7.18185	0.2109182	0.31628547	2.1334537	20	—	—
39003 2000 UL_{37}	14.6	X	155.94820	329.39891	205.87057	4.93102	0.2254920	0.23834736	2.5762963	20	9 18.6	18.9
39004 2000 UV_{37}	14.4	X	314.42079	162.96503	218.09052	5.77922	0.0892268	0.19198579	2.9759342	20	9 11.3	18.1
39005 2000 UK_{39}	15.7	X	34.34383	238.51171	67.12673	4.10903	0.1335083	0.24530829	2.5273258	20	10 25.4	18.8
39006 2000 UH_{40}	15.4	X	342.86279	308.08389	225.17194	5.55922	0.0443083	0.26681093	2.3896464	20	1 15.4	18.3
39007 2000 UK_{40}	14.7	X	55.58231	30.85079	210.61695	9.59154	0.1102278	0.23706026	2.5856131	20	8 18.5	18.3
39008 2000 UU_{41}	15.1	X	233.32158	5.06017	71.99014	0.96032	0.0842504	0.23751678	2.5822989	20	8 11.7	18.5
39009 2000 UZ_{42}	15.2	X	163.98036	166.50159	182.75591	2.78295	0.0986318	0.21757020	2.7378087	20	2 3.6	19.2
39010 2000 UU_{44}	14.8	X	139.73672	108.99987	224.52940	5.33162	0.0385982	0.21078106	2.7962864	20	—	—
39011 2000 UY_{44}	14.3	X	221.99938	353.72530	65.60703	4.52845	0.0407465	0.18273909	3.0754954	20	7 6.8	18.8
39012 2000 UG_{46}	14.7	X	52.40267	46.30977	28.18094	4.70962	0.0478218	0.21191634	2.7862906	20	—	—
39013 2000 UA_{47}	14.8	X	159.85761	21.72403	57.35728	4.51226	0.0788367	0.22736454	2.6586075	20	5 20.5	18.8
39014 2000 UO_{49}	15.2	X	217.28818	353.83932	53.22644	1.46381	0.0679458	0.23071174	2.6328306	20	6 13.5	18.9
39015 2000 UR_{49}	14.3	X	15.25667	339.12797	52.10844	2.57402	0.0916578	0.20059689	2.8901469	20	12 30.4	18.0
39016 2000 UH_{50}	14.8	X	287.58258	266.26876	106.42491	2.60925	0.1777157	0.23701194	2.5859646	20	7 13.0	17.7
39017 2000 UL_{50}	15.6	X	96.60692	276.40579	54.50482	2.71151	0.1814416	0.25578234	2.4578517	20	—	—
39018 2000 UM_{53}	14.4	X	57.06675	324.17977	158.86077	3.86137	0.2413200	0.16544523	3.2862446	20	4 6.5	18.3
39019 2000 UR_{53}	15.2	X	356.43431	105.24330	128.60758	3.69806	0.1530420	0.27759998	2.3273218	20	4 27.6	17.1
39020 2000 UT_{53}	14.7	X	279.69019	340.40345	69.83929	7.98953	0.1571426	0.24070823	2.5594232	20	8 31.9	17.8
39021 2000 UO_{54}	15.0	X	252.81068	59.45242	142.15428	3.59458	0.0133800	0.25749916	2.4469148	20	—	—
39022 2000 UP_{54}	14.5	X	45.34424	198.10658	145.83617	3.50754	0.2220126	0.20094153	2.8868413	20	12 28.1	18.6
39023 2000 UZ_{55}	14.2	X	270.15588	166.85386	233.40361	13.26342	0.0905662	0.23638019	2.5905700	20	8 3.5	17.9
39024 2000 UW_{58}	15.1	X	350.20530	79.98136	25.19164	3.35579	0.0342788	0.20865898	2.8152134	20	—	—
39025 2000 UA_{59}	15.5	X	49.25970	255.67728	289.70046	2.91468	0.0731585	0.27924496	2.3181729	20	5 17.4	18.0
39026 2000 UD_{65}	16.0	X	111.72550	305.97843	279.53726	6.95819	0.0680572	0.29481570	2.2358139	20	10 10.1	19.0
39027 2000 UR_{66}	15.1	X	276.35113	111.49565	243.60570	5.58356	0.1914323	0.28640186	2.2793910	20	5 30.9	18.0
39028 2000 UX_{70}	15.6	X	40.50754	298.36531	312.96840	2.76250	0.0674440	0.23644457	2.5900998	20	8 6.9	18.8
39029 2000 UP_{72}	15.1	X	356.19544	72.19973	254.72190	4.46297	0.2514058	0.24350919	2.5397588	20	10 2.2	17.1
39030 2000 UG_{74}	14.4	X	161.69048	317.46408	144.11339	12.47068	0.1524591	0.23006357	2.6377734	20	6 23.8	18.8
39031 2000 UH_{76}	15.0	X	320.51572	298.41250	62.32536	18.63468	0.2324728	0.24261553	2.5459917	20	9 5.5	17.6
39032 2000 UU_{76}	15.4	X	162.77379	343.64648	147.84000	1.63411	0.0909811	0.18527068	3.0474149	20	7 29.0	20.2
39033 2000 UX_{77}	16.1	X	232.19354	75.14525	219.68511	5.57642	0.1260336	0.27042808	2.3682899	20	1 28.9	19.8
39034 2000 UE_{78}	14.0	X	41.55004	277.58648	247.48932	4.16248	0.0879007	0.17081580	3.2169972	20	4 13.3	18.1
39035 2000 UH_{78}	15.1	X	37.10936	188.76969	266.66472	3.18714	0.0302620	0.21235588	2.7824445	20	1 2.2	18.5
39036 2000 UQ_{78}	15.7	X	306.23450	47.19358	241.81704	6.43170	0.1380879	0.27905150	2.3192442	20	4 15.8	18.3
39037 2000 UG_{79}	15.8	X	237.29690	119.99661	215.69422	5.22811	0.1423887	0.27619445	2.3352108	20	3 24.9	19.2
39038 2000 UE_{80}	14.6	X	290.28874	27.39392	248.08760	3.75356	0.1447174	0.27320509	2.3522142	20	3 4.6	17.7
39039 2000 UN_{82}	15.3	X	59.61339	311.96897	148.36392	2.56668	0.0416185	0.22038955	2.7144096	20	2 7.1	18.8
39040 2000 UH_{87}	15.4	X	238.89259	152.03216	92.50879	6.14561	0.0839588	0.26284243	2.4136395	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
39041 2000 UW_{89}	13.9	X	301.68541	278.65308	87.74116	15.22534	0.1366926	0.18741333	3.0241435	20	7 31.4	17.8
39042 2000 UX_{89}	14.4	X	6.16220	95.73973	176.99160	9.61853	0.0518506	0.18235301	3.0798348	20	7 8.5	18.6
39043 2000 UT_{90}	14.5	X	194.45265	2.53139	32.34620	4.42796	0.0923997	0.27615973	2.3354065	20	4 29.7	17.9
39044 2000 UD_{91}	16.1	X	103.56730	256.55795	323.20076	3.87558	0.1138232	0.29444854	2.2376721	20	9 28.2	19.1
39045 2000 US_{93}	14.8	X	33.95138	272.75445	280.56433	5.75153	0.0796954	0.27710263	2.3301057	20	5 2.6	17.2
39046 2000 UZ_{94}	14.1	X	48.95632	0.53399	254.76787	12.94661	0.1397514	0.23865411	2.5740883	20	8 29.6	17.6
39047 2000 UQ_{95}	14.7	X	57.55844	5.97152	359.17730	5.52578	0.0712758	0.20445973	2.8536291	20	—	—
39048 2000 UJ_{96}	14.0	X	71.12271	141.44303	261.37868	6.73699	0.2133087	0.21109697	2.7934959	20	1 2.5	16.9
39049 2000 UJ_{97}	15.0	X	124.42490	112.68385	289.29080	4.81361	0.0670593	0.21814806	2.7329717	20	2 19.8	18.9
39050 2000 UQ_{98}	15.7	X	287.12057	316.83518	352.26687	5.04983	0.1625047	0.28061787	2.3106056	20	4 12.8	18.5
39051 2000 UB_{99}	15.4	X	21.13818	306.19824	291.44618	6.47847	0.0795443	0.28093553	2.3088635	20	6 20.2	17.6
39052 2000 UL_{99}	13.9	X	140.17891	41.30238	26.80813	10.36482	0.0589302	0.17251787	3.1958030	20	4 15.1	18.5
39053 2000 UX_{99}	15.2	X	139.34513	17.19618	21.35567	5.26424	0.1021879	0.21973652	2.7197849	20	3 11.1	19.2
39054 2000 UA_{103}	14.8	X	120.78583	119.67144	284.91837	3.96876	0.0534146	0.21679090	2.7443659	20	2 17.3	18.6
39055 2000 UO_{103}	14.0	X	195.71910	72.07125	357.91443	5.85050	0.1280302	0.17872457	3.1213793	20	6 15.0	19.0
39056 2000 UR_{103}	14.4	X	46.25510	116.74205	248.38288	15.73194	0.1137314	0.20175961	2.8790325	20	—	—
39057 2000 UE_{104}	14.5	X	311.44024	42.95665	270.49285	13.13713	0.1842817	0.23254609	2.6189670	20	5 25.6	17.5
39058 2000 UM_{104}	14.7	X	27.87865	352.03912	277.87484	5.25019	0.1280240	0.28522329	2.2856658	20	8 26.9	17.1
39059 2000 UB_{106}	15.3	X	39.24563	267.13576	125.36104	7.44045	0.1079544	0.25652453	2.4531086	20	—	—
39060 2000 UD_{106}	15.0	X	149.01384	352.32437	14.14532	6.05294	0.0178096	0.21556951	2.7547223	20	2 3.2	18.8
39061 2000 UX_{108}	15.1	X	168.21812	86.19495	100.49552	8.40053	0.0868245	0.29391953	2.2403563	20	10 31.0	18.2
39062 2000 US_{109}	13.9	X	345.52958	218.27049	121.20207	9.03614	0.2440291	0.19190055	2.9768154	20	9 14.9	16.6
39063 2000 UZ_{110}	15.1	X	278.31509	198.05853	22.31018	4.48619	0.0677981	0.21402182	2.7679868	20	1 1.1	19.2
39064 2000 UD_{111}	15.0	X	47.05551	272.43743	177.07806	3.92229	0.0695682	0.21282406	2.7783625	20	1 9.4	18.5
39065 2000 UY_{111}	14.6	X	230.33779	247.98952	66.42180	9.35614	0.1827312	0.22285827	2.6943265	20	2 28.8	19.2
39066 2000 US_{112}	15.2	X	302.41551	80.78144	186.50892	3.22828	0.0478889	0.22385896	2.6862910	20	3 31.5	18.8
39067 2000 VG_{3}	15.3	X	318.34561	301.04618	30.51542	5.83749	0.1519109	0.28715953	2.2753798	20	7 17.0	17.3
39068 2000 VW_{9}	14.6	X	177.27076	260.84907	197.79040	1.25839	0.1388511	0.18066383	3.0990024	20	7 2.7	19.5
39069 2000 VM_{10}	13.7	X	112.20777	236.89413	204.09705	8.78432	0.1061662	0.17078608	3.2173704	20	4 4.0	18.3
39070 2000 VS_{11}	15.6	X	12.60476	283.68157	134.92023	0.67117	0.0636615	0.25517667	2.4617394	20	—	—
39071 2000 VS_{14}	15.8	X	10.13390	138.07667	191.38465	6.37598	0.1183599	0.29441709	2.2378315	20	10 30.6	17.9
39072 2000 VM_{17}	14.6	X	2.32970	93.30200	204.74431	5.36790	0.2096985	0.23885873	2.5726180	20	8 24.4	16.9
39073 2000 VN_{17}	15.0	X	241.10496	157.16041	106.00927	4.09544	0.1790212	0.26579463	2.3957339	20	—	—
39074 2000 VX_{17}	14.7	X	192.33996	236.00882	90.54996	5.60760	0.0221524	0.21625558	2.7488930	20	2 5.1	18.5
39075 2000 VA_{21}	15.0	X	43.94835	231.24922	76.24086	3.31621	0.0515837	0.19480990	2.9471034	20	10 18.9	18.9
39076 2000 VL_{22}	14.9	X	84.07379	238.73657	255.19915	2.50360	0.0447142	0.22503951	2.6768880	20	4 24.2	18.3
39077 2000 VJ_{24}	14.5	X	166.60109	321.98856	177.10612	1.24151	0.1349183	0.18433480	3.0577208	20	8 11.3	19.3
39078 2000 VJ_{26}	16.1	X	96.32627	263.49014	32.89007	2.00771	0.1876612	0.30258993	2.1973525	20	—	—
39079 2000 VF_{29}	15.2	X	255.66280	218.29132	129.59009	4.79293	0.1679750	0.27990843	2.3145083	20	4 30.6	18.6
39080 2000 VW_{30}	15.2	X	158.22071	138.67203	146.97224	5.49504	0.1057742	0.25551957	2.4595365	20	—	—
39081 2000 VO_{31}	16.1	X	198.34816	140.62663	190.01446	2.18834	0.1799787	0.27042432	2.3683119	20	2 11.7	19.8
39082 2000 VB_{32}	14.8	X	216.32077	351.34290	95.95732	3.17732	0.0660525	0.23500389	2.6006746	20	8 6.7	18.5
39083 2000 VA_{34}	14.7	X	200.66247	239.29772	193.93643	0.40373	0.1527530	0.17916210	3.1162954	20	6 23.1	19.6
39084 2000 VB_{34}	15.3	X	323.84233	152.98885	191.96753	0.16921	0.2237348	0.23913652	2.5706253	20	8 4.7	17.3
39085 2000 VW_{34}	14.2	X	6.08417	340.35960	77.06570	12.23941	0.0930839	0.20128227	2.8835824	20	—	—
39086 2000 VG_{41}	15.5	X	152.46830	239.83457	285.73615	2.44792	0.0681066	0.23950451	2.5679915	20	9 2.8	19.2
39087 2000 VN_{50}	14.3	X	282.16552	49.32987	251.33878	5.70372	0.1119192	0.27513630	2.3411943	20	4 1.6	17.3
39088 2000 VO_{50}	15.0	X	0.70290	24.63709	248.71113	5.92325	0.1195218	0.28144405	2.3060816	20	7 10.1	17.0
39089 2000 VP_{52}	15.6	X	115.43828	8.22772	335.50944	3.34985	0.1057093	0.20988227	2.8042639	20	—	—
39090 2000 VM_{54}	14.9	X	140.88032	22.39829	30.47843	7.09293	0.1058121	0.27191279	2.3596611	20	3 27.6	18.1
39091 2000 VX_{54}	15.0	X	234.73321	350.66944	311.84290	3.99251	0.2347017	0.27279693	2.3545598	20	2 7.2	19.0
39092 2000 VB_{57}	14.8	X	102.62079	2.67530	32.53405	5.29755	0.1287814	0.21315893	2.7754518	20	1 28.4	18.5
39093 2000 VM_{58}	13.9	X	151.52623	294.95374	212.41767	9.89223	0.0449494	0.18310537	3.0713926	20	8 1.2	18.6
39094 2000 VQ_{58}	14.1	X	116.51482	288.68507	212.64929	8.92802	0.1722102	0.17469135	3.1692399	20	6 28.6	19.2
39095 2000 VC_{59}	15.1	X	311.23197	291.81419	40.82701	9.58551	0.2405982	0.29252901	2.2474503	20	6 14.4	17.0
39096 2000 WE_{1}	14.9	X	190.02369	287.74509	81.72261	8.69991	0.3845059	0.22949045	2.6421632	20	3 31.9	20.2
39097 2000 WX_{7}	15.8	X	217.44622	160.30435	140.49934	6.85981	0.1343518	0.26838681	2.3802831	20	1 23.6	19.3
39098 2000 WR_{12}	15.2	X	144.97815	241.69013	163.53371	9.27373	0.1472367	0.22042962	2.7140807	20	3 29.5	19.4
39099 2000 WS_{12}	14.5	X	305.14883	194.18022	175.97054	8.10212	0.2078801	0.23935130	2.5690873	20	8 2.8	17.1
39100 2000 WD_{14}	15.7	X	155.02872	65.72049	328.99419	1.34490	0.0852275	0.22094916	2.7098244	20	3 19.8	19.7
39101 2000 WR_{14}	15.1	X	227.68242	324.12336	34.08017	3.84752	0.1044892	0.22600388	2.6692676	20	4 19.9	19.2
39102 2000 WF_{17}	14.5	X	59.65010	81.09686	271.84570	2.73452	0.1954111	0.20234893	2.8734398	20	—	—
39103 2000 WQ_{17}	14.2	X	221.07430	280.55974	151.40059	3.63034	0.0803770	0.18260872	3.0769589	20	7 17.1	18.8
39104 2000 WO_{18}	14.6	X	197.00358	62.00242	31.65847	1.55850	0.1522458	0.18022866	3.1039888	20	7 15.0	19.6
39105 2000 WY_{18}	13.6	X	2.04324	191.37831	79.79996	18.74824	0.1692757	0.17946029	3.1128425	20	7 4.2	17.1
39106 2000 WE_{23}	15.1	X	246.46379	221.13473	126.88535	5.38276	0.2977464	0.23120618	2.6290757	20	4 12.5	19.6
39107 2000 WS_{24}	15.6	X	153.93054	153.48593	173.56845	6.82927	0.2474668	0.26433562	2.4045414	20	1 4.9	19.4
39108 2000 WG_{26}	15.2	X	317.03814	205.30582	80.44963	4.97045	0.1873059	0.27735028	2.3287184	20	4 24.6	17.5
39109 2000 WG_{27}	14.9	X	299.76875	172.81762	126.71820	3.10753	0.0063247	0.22255453	2.6967774	20	5 16.9	18.5
39110 2000 WL_{28}	16.2	X	349.09406	212.33496	146.17249	7.07339	0.1811995	0.24520111	2.5280622	20	11 1.6	18.6
39111 2000 WR_{30}	15.2	X	346.62392	130.36807	123.88047	5.60831	0.1119908	0.27838309	2.3229551	20	5 13.4	17.4
39112 2000 WB_{31}	14.0	X	78.52987	172.15569	87.37110	14.76792	0.1440045	0.24137010	2.5547421	20	10 26.5	18.0
39113 2000 WM_{32}	14.5	X	142.97972	288.77017	88.92303	13.76757	0.0452259	0.21573631	2.7533022	20	2 14.8	18.6
39114 2000 WC_{33}	15.1	X	188.28251	170.85173	174.11699	5.31735	0.1714349	0.21937618	2.7227623	20	2 24.6	19.5
39115 2000 WF_{33}	14.9	X	28.75286	324.17965	156.69406	5.64945	0.0080146	0.21320013	2.7750943	20	1 22.2	18.6
39116 2000 WJ_{33}	14.0	X	167.97387	340.36817	216.79431	11.27997	0.0745501	0.19223037	2.9734095	20	10 23.9	18.5
39117 2000 WE_{34}	14.9	X	301.49610	205.65469	160.38068	5.49016	0.3039229	0.23913233	2.5706554	20	7 3.9	17.6
39118 2000 WD_{35}	13.8	X	327.89074	166.95019	209.44715	10.31061	0.1030650	0.19067718	2.9895345	20	9 25.9	17.5
39119 2000 WF_{37}	14.7	X	164.10809	258.18903	110.38828	11.00617	0.1140678	0.21680293	2.7442644	20	3 3.6	19.0
39120 2000 WZ_{38}	14.7	X	287.08622	268.17481	168.22646	6.02431	0.1083099	0.24314052	2.5423255	20	10 25.6	17.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
39121 2000 WY_{40}	14.5	X	142.03549	129.56735	208.19897	6.10956	0.1506045	0.25959600	2.4337206	20	—	—
39122 2000 WL_{42}	15.2	X	187.59845	172.41645	196.55487	2.75326	0.1177355	0.22308102	2.6925326	20	3 22.9	19.2
39123 2000 WR_{42}	15.0	X	248.05119	214.23801	147.73518	2.37293	0.1192739	0.23043182	2.6349624	20	5 16.4	18.8
39124 2000 WU_{43}	14.5	X	63.43120	81.01654	226.06929	11.19206	0.0465124	0.19466546	2.9485610	20	11 9.8	18.5
39125 2000 WC_{44}	15.1	X	92.15455	201.52622	133.17020	4.17544	0.1961177	0.25498577	2.4629679	20	—	—
39126 2000 WP_{44}	14.3	X	262.31331	271.66101	106.08381	9.34450	0.1399717	0.18152656	3.0891756	20	6 19.3	18.9
39127 2000 WY_{45}	15.4	X	187.67018	321.57607	168.99495	4.63857	0.0250459	0.23772312	2.5808045	20	8 31.9	18.8
39128 2000 WM_{46}	15.0	X	184.62302	248.12665	176.40588	3.01805	0.1017478	0.17719368	3.1393319	20	5 29.8	20.0
39129 2000 WZ_{53}	15.5	X	253.70806	146.70276	161.59709	0.20358	0.0618030	0.22228309	2.6989723	20	3 20.9	19.4
39130 2000 WO_{56}	14.9	X	162.50702	36.29509	72.16568	3.73728	0.0531018	0.23110714	2.6298268	20	6 30.8	18.5
39131 2000 WG_{58}	15.0	X	307.85909	259.59887	91.55733	6.08063	0.1382970	0.23514819	2.5996106	20	7 23.1	17.8
39132 2000 WU_{58}	14.0	X	278.40578	249.35874	91.96093	17.48877	0.2489079	0.17988181	3.1079776	20	5 13.6	18.8
39133 2000 WV_{58}	13.9	X	291.88126	77.08498	258.08660	10.46379	0.1610089	0.22994904	2.6386492	20	5 29.6	17.3
39134 2000 WB_{59}	15.2	X	15.01799	250.66544	102.16974	3.56695	0.1017714	0.24393552	2.5367987	20	11 24.3	18.2
39135 2000 WX_{59}	13.5	X	38.57466	308.17423	252.37726	18.87697	0.1021112	0.17172750	3.2056011	20	5 27.6	17.6
39136 2000 WC_{61}	15.0	X	172.49113	260.12553	120.12292	4.50644	0.1277537	0.21916475	2.7245131	20	3 24.9	19.2
39137 2000 WX_{62}	14.0	X	21.45886	63.40723	260.06551	9.44096	0.1149164	0.19226801	2.9730213	20	10 11.3	17.9
39138 2000 WU_{68}	14.4	X	81.19242	239.76189	284.56602	11.89515	0.1398384	0.22887426	2.6469033	20	6 16.5	18.0
39139 2000 WO_{71}	14.9	X	339.67876	176.17894	318.03391	6.12063	0.0241230	0.26060077	2.4274609	20	—	—
39140 2000 WC_{75}	15.5	X	92.47185	328.35399	262.29896	6.31552	0.1548400	0.28961834	2.2624831	20	10 1.9	18.8
39141 2000 WN_{77}	15.0	X	315.54512	235.14866	28.85983	7.23066	0.0774715	0.22495805	2.6775341	20	4 10.7	18.5
39142 2000 WR_{78}	15.1	X	31.78629	293.45031	356.44084	4.00072	0.1667413	0.24075570	2.5590867	20	10 2.6	18.0
39143 2000 WH_{80}	15.2	X	63.06600	220.41234	316.05969	2.23304	0.1394909	0.22451389	2.6810644	20	6 6.9	18.5
39144 2000 WN_{86}	14.6	X	117.28505	310.85566	36.71459	2.69802	0.1969051	0.25793345	2.4441674	20	—	—
39145 2000 WU_{90}	14.8	X	31.13511	185.08783	237.52211	1.02502	0.0731892	0.20558344	2.8432211	20	—	—
39146 2000 WV_{90}	14.0	X	3.43914	144.54365	67.59230	12.97324	0.0735874	0.17115583	3.2127351	20	4 22.1	18.2
39147 2000 WU_{92}	14.1	X	15.74525	341.59564	247.06377	3.80550	0.0951116	0.17537438	3.1610058	20	5 28.3	18.0
39148 2000 WM_{93}	14.1	X	244.79041	126.76574	257.08526	13.24548	0.1053388	0.23075855	2.6324746	20	6 11.5	17.6
39149 2000 WV_{95}	14.5	X	263.32785	125.50328	282.83193	3.00929	0.0511583	0.18450635	3.0558251	20	8 10.9	18.6
39150 2000 WN_{97}	14.7	X	64.60847	302.19397	66.77854	3.55421	0.2065814	0.25461589	2.4653527	20	—	—
39151 2000 WA_{99}	14.5	X	218.84105	233.38433	69.56343	9.74125	0.1142195	0.21573800	2.7532878	20	2 6.4	18.9
39152 2000 WN_{102}	15.0	X	170.76042	287.62373	108.99447	12.31788	0.0992401	0.22380900	2.6866908	20	4 15.3	19.3
39153 2000 WX_{102}	15.0	X	245.54679	107.60516	157.31186	7.42061	0.1045323	0.26562205	2.3967715	20	1 7.9	18.6
39154 2000 WY_{102}	15.3	X	65.78945	186.10614	138.37537	7.49347	0.1764681	0.30140116	2.2031265	20	—	—
39155 2000 WK_{103}	15.1	X	134.11780	186.57727	172.02070	7.81430	0.1360938	0.26332115	2.4107132	20	1 10.8	18.5
39156 2000 WF_{109}	15.5	X	37.13683	291.13794	329.24003	5.01518	0.1490239	0.28555923	2.2838728	20	9 2.9	17.8
39157 2000 WK_{111}	14.9	X	120.48872	168.14223	31.62661	6.01968	0.1627597	0.23494319	2.6011225	20	9 19.7	19.0
39158 2000 WW_{114}	14.8	X	165.35873	349.42433	303.37081	5.32078	0.1173748	0.25703618	2.4498522	20	—	—
39159 2000 WT_{115}	14.4	X	208.99302	6.81911	7.21588	5.41345	0.1887339	0.17449439	3.1716243	20	4 18.1	19.7
39160 2000 WC_{116}	13.4	X	101.00522	91.46219	65.87308	17.22990	0.2246585	0.17259570	3.1948421	20	7 9.4	18.6
39161 2000 WH_{117}	14.9	X	209.14864	325.16966	345.51288	4.97213	0.2095368	0.26570306	2.3962843	20	1 30.2	19.0
39162 2000 WX_{118}	15.1	X	226.84446	58.18108	292.59136	5.14695	0.1484766	0.22491112	2.6779067	20	4 3.9	19.4
39163 2000 WM_{119}	14.0	X	161.10926	110.81846	28.99586	5.77481	0.1325414	0.18092983	3.0959643	20	8 9.3	19.0
39164 2000 WG_{123}	14.7	X	12.38922	280.50544	66.29346	3.43506	0.2159054	0.24321867	2.5417809	20	11 29.1	17.4
39165 2000 WW_{129}	15.1	X	227.88672	204.71265	10.16038	1.47939	0.1247143	0.25517736	2.4617350	20	—	—
39166 2000 WO_{130}	15.5	X	53.64713	136.74672	116.61439	1.49006	0.1102188	0.23763079	2.5814730	20	9 5.6	18.8
39167 2000 WT_{130}	14.9	X	133.83702	331.14177	164.85744	1.09049	0.1070594	0.17822542	3.1272045	20	7 4.9	19.7
39168 2000 WW_{131}	15.0	X	302.38623	277.96956	168.02312	2.38459	0.0696619	0.19699814	2.9252387	20	11 22.1	18.7
39169 2000 WK_{135}	14.2	X	174.39870	333.39568	56.49173	12.21882	0.0574350	0.21849482	2.7300795	20	4 8.2	18.3
39170 2000 WR_{140}	14.9	X	156.30127	220.01044	64.64821	2.83566	0.0366116	0.20302046	2.8671000	20	—	—
39171 2000 WE_{145}	14.7	X	268.60140	269.05071	163.49791	15.46391	0.0257332	0.19271574	2.9684148	20	9 25.3	18.8
39172 2000 WZ_{148}	14.8	X	247.33297	91.38641	173.69613	12.01738	0.0140153	0.21505029	2.7591546	20	1 23.0	18.8
39173 2000 WV_{151}	14.4	X	91.45360	287.39705	158.27943	9.44356	0.1419614	0.21755792	2.7379118	20	3 19.0	18.0
39174 2000 WG_{152}	15.1	X	185.16507	158.29963	163.22416	7.32023	0.1565886	0.26461361	2.4028570	20	1 19.3	18.9
39175 2000 WL_{155}	15.0	X	127.68641	311.25622	332.67452	7.00266	0.2133697	0.30478845	2.1867730	20	—	—
39176 2000 WK_{156}	15.1	X	43.53219	350.78809	353.01204	3.12658	0.2159996	0.29995084	2.2102225	20	—	—
39177 2000 WJ_{157}	14.7	X	276.53010	354.53884	350.96638	6.60329	0.1566623	0.27798218	2.3251880	20	5 20.7	17.8
39178 2000 WK_{157}	14.1	X	233.32938	305.54000	71.25238	12.99880	0.0819952	0.22419713	2.6835891	20	5 23.1	17.9
39179 2000 WU_{158}	14.7	X	275.01968	255.46885	172.28728	11.30747	0.1054374	0.19022095	2.9943127	20	9 14.0	18.7
39180 2000 WA_{161}	14.3	X	288.74663	135.59400	208.93698	14.66392	0.1441806	0.23354035	2.6115285	20	6 10.0	17.8
39181 2000 WP_{161}	14.5	X	149.67181	232.77969	127.83753	10.11924	0.1862383	0.21684099	2.7439433	20	2 11.8	18.7
39182 2000 WF_{164}	15.4	X	157.42170	231.40965	62.35486	0.60180	0.2102782	0.25743960	2.4472922	20	—	—
39183 2000 WE_{165}	14.4	X	345.41367	30.68432	158.87497	10.74510	0.1867548	0.21452496	2.7636571	20	2 1.5	17.4
39184 Willgrundy	15.4	X	81.56117	244.72256	178.58228	4.30256	0.0627756	0.21391871	2.7688761	20	1 23.6	18.9
39185 2000 WD_{167}	15.4	X	220.29372	247.65073	105.59658	4.65439	0.1376442	0.22648252	2.6655056	20	4 6.3	19.6
39186 2000 WK_{168}	15.0	X	186.03925	152.82323	187.70835	4.81510	0.0932096	0.21853590	2.7297373	20	2 14.7	19.1
39187 2000 WL_{169}	14.5	X	220.85479	21.95476	189.69974	15.07838	0.0802510	0.20416879	2.8563394	20	—	—
39188 2000 WM_{172}	15.2	X	239.53251	185.59757	166.70155	15.67476	0.1226520	0.22801959	2.6535134	20	4 27.1	19.4
39189 2000 WT_{172}	14.7	X	205.32187	249.95127	146.82954	18.20146	0.1130189	0.17654649	3.1469994	20	5 20.6	20.0
39190 2000 WN_{179}	14.8	X	92.37601	217.04340	136.48883	8.28453	0.1292131	0.25677161	2.4515347	20	—	—
39191 2000 WU_{183}	15.1	X	284.18918	346.49378	309.73483	9.06572	0.2266150	0.27893735	2.3198769	20	3 11.3	18.6
39192 2000 WL_{186}	13.8	X	5.78678	147.74372	129.73831	8.99046	0.1064193	0.17746034	3.1361863	20	7 17.2	17.7
39193 2000 WJ_{188}	14.8	X	228.40612	96.37120	248.41073	13.29059	0.0686663	0.22635833	2.6664804	20	4 1.2	18.9
39194 2000 WK_{188}	13.6	X	320.95303	318.83033	244.50055	16.72649	0.0180180	0.16788035	3.2543891	20	2 7.1	18.5
39195 2000 WV_{189}	15.8	X	7.71042	257.57041	2.24717	3.55473	0.1204907	0.28329943	2.2960019	20	7 4.1	17.8
39196 2000 WN_{191}	15.2	X	3.33970	165.76060	134.87727	5.29874	0.1281830	0.23931757	2.5693286	20	8 25.1	17.8
39197 2000 XA	14.4	X	70.50592	5.27916	37.22489	23.51639	0.0623953	0.36710392	1.9317164	20	—	—
39198 2000 XY_{4}	14.2	X	100.57002	177.30141	28.85218	14.77095	0.1742597	0.23409492	2.6074023	20	9 13.7	18.4
39199 2000 XN_{7}	13.6	X	95.39648	239.35062	283.15127	21.08451	0.0841285	0.17514991	3.1637059	20	6 23.4	18.1
39200 2000 XX_{11}	14.8	X	126.32525	357.82066	339.03250	7.81560	0.1333421	0.20862520	2.8155173	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
39201 2000 XN_{12}	14.8	X	261.28545	299.92174	357.42947	6.22760	0.1310178	0.27071335	2.3666258	20	3 4.5	18.0
39202 2000 XB_{18}	14.2	X	66.74360	282.89377	353.34766	13.04122	0.1861957	0.24299570	2.5433355	20	10 27.9	18.2
39203 2000 XH_{18}	14.5	X	96.16132	238.84182	302.45637	13.61918	0.0502607	0.23106869	2.6301185	20	7 16.6	18.0
39204 2000 XF_{20}	14.9	X	262.17016	350.60777	320.70389	6.67494	0.1537769	0.27550098	2.3391278	20	3 17.3	18.3
39205 2000 XG_{20}	14.9	X	11.51632	3.64514	326.96185	9.85410	0.1213644	0.24187255	2.5512029	20	10 15.8	18.0
39206 2000 XO_{20}	14.9	X	200.88717	15.91135	333.49334	8.62023	0.3189061	0.22433622	2.6824797	20	3 9.9	20.0
39207 2000 XQ_{20}	14.7	X	156.89541	116.03627	15.74456	10.84141	0.0376357	0.23222579	2.6213746	20	7 28.9	18.6
39208 2000 XY_{22}	14.1	X	24.49366	143.93140	39.69856	17.12688	0.0450599	0.16952583	3.2332959	20	4 14.3	18.4
39209 2000 XC_{26}	14.2	X	333.31991	46.26141	345.72510	12.26004	0.1486555	0.19294129	2.9661009	20	10 22.8	17.7
39210 2000 XK_{30}	14.8	X	64.42753	293.96401	333.75168	7.46746	0.1238666	0.28938541	2.2636970	20	10 15.8	17.9
39211 2000 XB_{34}	14.2	X	142.58928	254.78046	349.19739	10.12494	0.0559249	0.19139666	2.9820379	20	11 19.7	18.8
39212 2000 XC_{38}	12.8	X	42.37466	240.04526	38.85496	16.89241	0.2078024	0.17985222	3.1083185	20	10 5.7	17.0
39213 2000 XZ_{40}	12.8	X	355.31920	17.43032	352.75507	15.04843	0.2142929	0.19519338	2.9432422	20	11 8.9	16.2
39214 2000 XG_{42}	14.0	X	275.35513	84.63520	357.04670	13.98205	0.2048067	0.19073833	2.9888955	20	9 17.9	18.0
39215 2000 XV_{46}	14.5	X	160.70871	355.58598	2.08995	13.39384	0.1421626	0.21451201	2.7637684	20	2 19.1	18.9
39216 2000 XA_{48}	14.7	X	156.02701	119.65317	3.39635	9.58366	0.0243126	0.17962206	3.1109732	20	7 10.8	19.3
39217 2000 XU_{49}	13.2	X	237.10952	234.11915	28.32825	13.20627	0.0459533	0.20151055	2.8814043	20	1 11.7	17.7
39218 2000 YY_3	14.5	X	356.53415	188.23442	81.42068	7.53539	0.1092900	0.27926685	2.3180517	20	6 25.6	16.5
39219 2000 YV_4	15.1	X	146.02177	106.21625	231.42968	2.28027	0.0885071	0.21165062	2.7886223	20	1 1.8	19.2
39220 2000 YN_5	14.6	X	241.49579	230.80056	148.08117	16.23721	0.1716936	0.23365800	2.6106517	20	5 28.6	18.9
39221 2000 YK_8	15.3	X	135.17113	53.29710	311.66814	2.71204	0.1091530	0.21245678	2.7815635	20	1 25.5	19.2
39222 2000 YC_{18}	15.4	X	257.78846	212.24140	165.59440	6.27941	0.1243795	0.28317688	2.2966643	20	6 18.3	18.5
39223 2000 YP_{20}	16.0	X	173.00378	297.95395	33.41465	2.37996	0.1859623	0.26494698	2.4008410	20	1 23.5	19.7
39224 2000 YR_{21}	14.5	X	41.68182	275.89702	46.79345	14.26852	0.2282870	0.24161956	2.5529834	20	12 6.1	18.2
39225 2000 YD_{26}	15.1	X	229.67765	226.96190	46.31611	2.84766	0.0691041	0.21164990	2.7886286	20	1 12.3	19.1
39226 2000 YE_{26}	15.2	X	324.69615	97.85249	188.17399	6.61453	0.1747209	0.27863178	2.3215727	20	5 11.3	17.2
39227 2000 YS_{26}	14.4	X	252.94800	232.50276	145.14423	13.31513	0.1217054	0.23032690	2.6357625	20	6 12.8	18.4
39228 2000 YX_{28}	14.5	X	3.46349	235.81986	102.83869	14.62203	0.2856254	0.24088200	2.5581920	20	11 18.7	17.2
39229 2000 YJ_{30}	12.6	X	229.64577	96.81642	30.39092	7.16455	0.1603406	0.08308005	5.2016151	20	9 16.7	20.0
39230 2000 YZ_{37}	14.7	X	175.46212	192.75649	149.35431	3.01507	0.2059828	0.26470438	2.4023077	20	2 8.0	18.6
39231 2000 YZ_{38}	13.9	X	94.93105	122.24043	115.71772	8.40201	0.1030663	0.18385577	3.0630297	20	10 1.7	18.5
39232 2000 YF_{42}	15.0	X	56.21376	224.84067	101.32898	7.42371	0.1725352	0.29582765	2.2307122	20	—	—
39233 2000 YZ_{46}	14.1	X	349.94206	250.11537	112.89089	13.97022	0.1884728	0.18944632	3.0024695	20	10 28.7	17.6
39234 2000 YD_{48}	13.9	X	82.79227	60.41612	107.11981	2.26306	0.1022137	0.17156738	3.2075954	20	6 15.7	18.4
39235 2000 YH_{55}	14.4	X	277.80720	206.18437	110.14452	14.14930	0.3101296	0.27309424	2.3528506	20	4 1.3	18.3
39236 2000 YX_{56}	15.3	X	256.23905	70.82617	244.71578	2.31182	0.2552111	0.27252098	2.3561490	20	3 9.2	19.2
39237 2000 YH_{61}	13.8	X	299.73096	358.05391	282.48626	10.62159	0.2879964	0.21562449	2.7542540	20	3 4.5	17.9
39238 2000 YE_{62}	14.2	X	149.39637	84.41671	134.48683	2.87510	0.1241036	0.18615161	3.0377931	20	10 31.5	19.0
39239 2000 YN_{69}	14.4	X	102.25038	149.47009	239.27878	3.42222	0.0806384	0.21140416	2.7907892	20	1 10.8	18.2
39240 2000 YZ_{69}	14.4	X	148.95662	158.95939	233.05625	4.80228	0.0314881	0.21755733	2.7379167	20	3 2.9	18.2
39241 2000 YW_{71}	14.9	X	161.33312	145.35201	190.12853	2.39499	0.0697543	0.21118489	2.7927206	20	1 13.9	18.9
39242 2000 YQ_{75}	14.1	X	121.67154	326.55988	84.50181	10.69624	0.1050655	0.21622006	2.7491940	20	3 11.4	18.2
39243 2000 YU_{76}	14.1	X	355.07118	256.65252	103.73706	11.81583	0.1167708	0.19127540	2.9832980	20	10 28.0	17.9
39244 2000 YS_{77}	13.9	X	49.58292	25.89340	281.77123	9.47877	0.1140776	0.19163360	2.9795793	20	10 30.1	18.1
39245 2000 YY_{80}	15.0	X	202.04903	223.71237	113.90062	7.31999	0.0772903	0.21822060	2.7323661	20	3 2.0	19.1
39246 2000 YU_{81}	15.2	X	103.35460	170.18620	170.15295	2.21043	0.1881097	0.25599978	2.4564598	20	—	—
39247 2000 YU_{86}	13.9	X	47.29764	316.33482	268.04982	11.68221	0.1167713	0.17621739	3.1509163	20	7 11.9	18.0
39248 2000 YM_{87}	14.9	X	347.21542	23.02942	41.46355	1.87242	0.0407209	0.19744215	2.9208514	20	12 27.2	18.6
39249 2000 YR_{88}	13.5	X	32.61566	284.66685	283.05957	14.42534	0.0711249	0.17170823	3.2058409	20	5 23.7	17.8
39250 2000 YR_{95}	14.1	X	348.36598	326.66502	301.56282	2.97095	0.1302250	0.17214726	3.2003881	20	6 4.2	17.8
39251 2000 YL_{97}	14.3	X	152.72398	129.60693	126.05627	11.75616	0.0754926	0.19218174	2.9739110	20	12 18.0	18.9
39252 2000 YU_{101}	13.5	X	136.37999	323.26314	140.47709	16.29112	0.0533587	0.17047684	3.2212601	20	5 28.1	18.5
39253 2000 YH_{106}	14.8	X	297.29531	352.50450	295.54556	5.45021	0.1807752	0.27601744	2.3362090	20	3 23.9	17.7
39254 2000 YF_{112}	14.5	X	284.45318	223.73068	82.46748	8.33058	0.2273627	0.27183245	2.3601260	20	4 2.9	17.8
39255 2000 YA_{119}	14.6	X	133.68570	237.46071	152.75986	6.85142	0.1248853	0.26729435	2.3867643	20	2 19.1	17.9
39256 2000 YE_{120}	16.1	X	42.60205	250.06411	195.99290	22.25220	0.1059032	0.36064755	1.9547028	20	—	—
39257 2000 YT_{122}	14.8	X	9.48958	179.09865	172.94453	10.31892	0.1019980	0.24398830	2.5364329	20	11 16.8	18.0
39258 2000 YZ_{134}	14.2	X	194.32519	87.76267	274.20188	12.22162	0.1844208	0.22515895	2.6759413	20	3 14.8	18.9
39259 2000 YJ_{136}	14.5	X	319.60484	230.52476	146.42205	16.07023	0.0755194	0.19239646	2.9716979	20	9 20.3	18.3
39260 2000 YE_{138}	14.1	X	128.08640	356.04945	134.35263	11.72692	0.1641070	0.17526455	3.1623262	20	6 26.9	19.2
39261 2000 YG_{138}	14.6	X	356.03971	176.79395	159.51004	11.00223	0.1768615	0.19134693	2.9825545	20	9 28.1	17.8
39262 2000 YK_{138}	15.0	X	266.37302	218.94871	119.75849	24.60190	0.1547711	0.28027727	2.3124772	20	5 11.6	18.7
39263 2000 YK_{139}	13.2	X	105.54150	109.60429	157.98235	17.14856	0.2689291	0.18176421	3.0864824	20	11 27.1	18.8
39264 2000 YQ_{139}	10.8	X	310.58830	206.26979	207.19239	18.18574	0.0709166	0.08205401	5.2448875	20	9 29.9	17.5
39265 2001 AH_2	14.3	X	74.19784	269.71601	113.23032	14.67539	0.1723175	0.25733771	2.4479381	20	—	—
39266 2001 AT_2	12.6	X	6.08714	189.75328	105.13509	7.03889	0.2505427	0.12428084	3.9767955	20	8 15.2	16.8
39267 2001 AU_3	13.6	X	24.62822	176.75289	138.91733	11.02801	0.0371485	0.18552670	3.0446107	20	10 2.7	17.8
39268 2001 AK_7	14.0	X	192.08236	6.66298	127.44921	11.85467	0.0640116	0.18336098	3.0685375	20	9 5.1	18.6
39269 2001 AK_9	13.8	X	0.03900	133.82463	140.08068	10.93559	0.1048587	0.17449810	3.1715793	20	7 2.7	17.8
39270 2001 AH_{11}	12.1	X	241.43562	230.93924	238.51174	5.41293	0.0743046	0.08350789	5.1838335	20	9 12.4	19.2
39271 2001 AM_{20}	14.4	X	249.43877	219.83867	93.71069	12.96928	0.1925853	0.22225403	2.6992076	20	3 16.8	18.9
39272 2001 AB_{23}	14.2	X	93.68974	90.56035	132.12062	10.85827	0.0392930	0.18228523	3.0805982	20	9 1.3	18.6
39273 2001 AO_{30}	13.6	X	84.22196	90.18063	83.87719	14.54838	0.1366662	0.17295168	3.1904567	20	6 30.4	18.1
39274 2001 AP_{34}	15.0	X	303.80172	248.06327	47.95599	6.46834	0.1333532	0.27431966	2.3458384	20	4 26.1	17.6
39275 2001 AV_{37}	12.1	X	251.03454	23.36848	84.32862	18.00262	0.0842756	0.08234941	5.2323373	20	9 30.7	19.3
39276 2001 AT_{39}	13.9	X	34.91307	258.12669	98.89080	12.54614	0.3548414	0.19736154	2.9216467	20	—	—
39277 2001 BE_6	15.0	X	211.22495	276.48232	17.19557	6.69313	0.1014737	0.26334141	2.4105896	20	1 10.9	18.7
39278 2001 BK_9	11.9	X	279.72824	38.15933	27.63924	6.00369	0.0807988	0.08159774	5.2644210	20	9 9.1	18.7
39279 2001 BZ_{21}	15.1	X	25.06169	199.55444	112.08447	3.64292	0.0988322	0.23924745	2.5698307	20	10 14.1	18.2
39280 2001 BE_{24}	11.9	X	270.05531	123.18096	310.39269	12.04511	0.0649292	0.08338228	5.1890384	20	9 3.1	18.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
39281 2001 BZ_{35}	14.1	X	155.66641	56.46540	137.04059	10.34240	0.0124818	0.18734030	3.0249294	20	10 10.3	18.5
39282 2001 BM_{36}	12.2	X	29.66319	357.31028	278.38371	6.88558	0.1819016	0.12470356	3.9678034	20	8 22.4	17.2
39283 2001 BN_{45}	14.4	X	252.30954	292.50413	109.76547	14.16215	0.1760382	0.23771347	2.5808743	20	7 6.2	18.1
39284 2001 BB_{62}	12.0	X	242.09785	259.29529	228.83211	9.00170	0.0484743	0.08334190	5.1907144	20	10 7.1	19.1
39285 2001 BP_{75}	12.5	X	274.22641	128.15257	330.65548	6.49145	0.0798415	0.08390565	5.1674378	20	10 5.7	19.4
39286 2001 CX_{6}	12.2	X	273.48857	359.10391	79.24586	4.64372	0.0698267	0.08118863	5.2820911	20	9 17.5	19.2
39287 2001 CD_{14}	12.5	X	323.30036	6.89310	47.91032	5.22452	0.0409454	0.08563326	5.0977015	20	10 22.4	19.1
39288 2001 CD_{21}	12.5	X	217.82882	163.93243	325.91915	1.94963	0.0512207	0.08131384	5.2766674	20	9 14.5	19.6
39289 2001 CT_{28}	12.3	X	236.69207	98.24017	27.95481	10.01358	0.0447255	0.08193693	5.2498827	20	10 3.3	19.3
39290 2001 CC_{29}	13.2	X	320.39205	224.62292	108.27189	10.44923	0.0906141	0.17432387	3.1736922	20	7 18.4	17.3
39291 2001 DG	14.8	X	304.41617	263.11127	344.83721	3.05535	0.0502301	0.20845767	2.8170256	20	3 9.9	18.6
39292 2001 DS_{4}	12.5	X	225.24236	50.16597	82.74907	9.38482	0.1395842	0.08141789	5.2721708	20	9 22.7	19.9
39293 2001 DQ_{10}	11.9	X	316.26939	234.84807	152.90839	14.42160	0.0384342	0.08291289	5.2086040	20	9 14.2	18.6
39294 2001 DB_{33}	12.3	X	130.23534	53.12654	128.50373	12.08660	0.0603344	0.12501420	3.9612277	20	8 19.9	18.0
39295 2001 DF_{95}	14.1	X	94.82575	82.73567	149.98601	12.34815	0.0805591	0.18146800	3.0898402	20	9 20.6	18.6
39296 2001 EQ_{4}	15.4	X	180.25175	121.31231	136.50896	5.37288	0.1247525	0.24154539	2.5535060	20	—	—
39297 2001 FE_{53}	14.7	X	344.18191	282.42160	30.50218	2.24532	0.0675878	0.21786668	2.7353244	20	8 3.8	17.9
39298 2001 FV_{132}	14.8	X	142.71402	338.37919	303.30875	7.43799	0.1439071	0.23711315	2.5852286	20	—	—
39299 2001 HF_{5}	13.8	X	99.39198	262.95032	174.42166	9.87224	0.2467907	0.21502168	2.7593993	20	4 2.3	17.7
39300 Auyeungsungfan	15.4	X	80.25451	111.24955	154.38148	6.07360	0.0896542	0.27382034	2.3486893	20	10 30.9	18.6
39301 2001 OB_{100}	12.9	X	107.37526	234.34622	115.58595	3.33353	0.2220238	0.12299059	4.0045600	20	1 5.1	18.7
39302 2001 QC_{29}	13.2	X	139.55172	23.46038	14.52439	17.70736	0.2137865	0.18016951	3.1046682	20	3 24.6	18.2
39303 2001 QR_{56}	14.8	X	296.38142	288.47661	126.52337	7.08236	0.0503026	0.21239556	2.7820980	20	10 12.1	18.4
39304 2001 QX_{77}	14.6	X	188.32970	79.07054	30.97839	6.84990	0.0526339	0.30044621	2.2077924	20	8 12.4	17.4
39305 2001 QX_{180}	12.9	X	297.26276	238.21202	295.43232	6.61468	0.1116856	0.17591797	3.1544907	20	—	—
39306 2001 SV_{249}	14.0	X	303.42516	112.44654	80.36803	2.80997	0.1393732	0.17343703	3.1845018	20	—	—
39307 2001 TJ_{42}	14.3	X	198.15593	121.02048	313.53232	8.11993	0.1868621	0.24075689	2.5590782	20	6 22.8	18.5
39308 2001 TP_{57}	14.9	X	47.10948	102.06591	15.58446	3.03090	0.0513715	0.17906528	3.1174186	20	2 20.0	19.1
39309 2001 TE_{59}	14.2	X	264.74059	332.40518	221.16750	1.40116	0.1837102	0.16886888	3.2416763	20	—	—
39310 2001 TC_{64}	14.6	X	208.24455	67.41779	17.41074	2.12808	0.0329003	0.19592712	2.9358893	20	7 24.7	18.7
39311 2001 TF_{76}	14.3	X	175.78681	272.37309	71.45053	2.86082	0.1065243	0.17804059	3.1293684	20	2 15.6	19.1
39312 2001 TD_{93}	13.9	X	310.95258	187.66210	356.95350	11.21667	0.1381013	0.17397052	3.1779882	20	—	—
39313 2001 TS_{104}	14.8	X	30.38094	190.80953	339.94317	1.52961	0.0153399	0.23553908	2.5967336	20	3 26.3	18.1
39314 Moritakumi	14.1	X	124.61723	239.70619	157.03615	14.29031	0.3026255	0.22893465	2.6464378	20	3 13.7	18.3
39315 2001 UA_{10}	13.2	X	87.88445	305.84193	131.86565	14.53273	0.0654971	0.17125908	3.2114437	20	2 28.2	17.7
39316 2001 UH_{80}	16.6	X	27.19818	162.41111	182.19560	1.11060	0.1801618	0.26349966	2.4096243	20	12 17.0	19.4
39317 2001 UU_{168}	13.5	X	216.35377	61.92387	352.48757	11.50144	0.2608192	0.24258104	2.5462330	20	6 7.4	18.1
39318 2001 VT_{33}	15.6	X	1.34179	164.30881	254.02720	2.29258	0.0107415	0.26455240	2.4032277	20	—	—
39319 2001 VT_{35}	14.3	X	136.49215	25.49694	64.08155	1.22747	0.0998167	0.18170174	3.0871897	20	5 10.7	19.0
39320 2001 VK_{46}	13.6	X	261.75344	267.18548	89.60745	14.48539	0.2323207	0.18871746	3.0101953	20	5 15.4	18.4
39321 2001 VC_{85}	16.1	X	94.59482	92.03102	189.98980	1.74985	0.1492563	0.26247129	2.4159143	20	12 7.2	19.6
39322 2001 VH_{98}	13.3	X	112.40459	223.42516	164.03031	14.19346	0.2429244	0.22396150	2.6854710	20	2 10.7	17.3
39323 2001 WO_{40}	13.9	X	306.09572	215.19793	100.51073	15.78474	0.1729125	0.24160697	2.5530721	20	5 26.4	17.0
39324 2001 WZ_{86}	15.1	X	224.19096	295.10428	93.46535	6.83760	0.1280365	0.28801653	2.2708639	20	5 23.8	18.2
39325 2001 WA_{87}	14.7	X	171.07412	9.11219	92.94749	5.71158	0.2123414	0.23646515	2.5899494	20	7 3.1	19.0
39326 2001 XL_{37}	13.4	X	344.43532	285.25247	281.26241	16.22521	0.1428120	0.16942880	3.2345304	20	2 27.6	17.7
39327 2001 XY_{97}	14.5	X	194.83266	102.87152	298.09989	1.42969	0.2965601	0.18549261	3.0449838	20	5 6.8	20.1
39328 2001 XO_{115}	15.9	X	21.21909	106.96806	45.79550	4.91774	0.0735032	0.27710357	2.3301004	20	2 14.4	18.3
39329 2001 XW_{154}	15.2	X	113.08561	252.52831	271.07121	0.55878	0.1442008	0.18523629	3.0477921	20	7 21.3	19.7
39330 2001 XZ_{195}	16.1	X	174.20217	153.54252	195.31202	1.81013	0.2372481	0.27815006	2.3242524	20	2 15.2	19.9
39331 2001 YO_{87}	14.8	X	352.57011	5.48239	149.38046	10.17091	0.2372729	0.21573433	2.7533190	20	—	—
39332 2002 AH_{10}	14.0	X	169.18401	349.59800	142.42180	11.73477	0.0486846	0.18172963	3.0868739	20	8 4.9	18.6
39333 2002 AM_{10}	16.0	X	103.16105	329.69420	143.52776	5.03040	0.1139481	0.28218554	2.3020401	20	5 2.9	18.9
39334 2002 AV_{10}	15.4	X	153.87911	264.86240	154.11350	5.08788	0.2931221	0.23120333	2.6290973	20	5 1.5	20.1
39335 Caccin	15.3	X	281.25506	319.15857	251.94582	0.79790	0.1661654	0.21174498	2.7877937	20	—	—
39336 Mariacapria	15.3	X	62.71595	28.65134	156.79797	1.17830	0.0932926	0.17680874	3.1438868	20	6 11.1	19.4
39337 2002 AZ_{13}	15.3	X	186.61551	272.58279	312.71486	2.18552	0.1374291	0.25396869	2.4695392	20	12 23.8	18.9
39338 2002 AG_{28}	15.7	X	293.86299	165.61923	286.81298	1.69106	0.1380543	0.25508682	2.4623174	20	11 27.9	17.9
39339 2002 AD_{32}	14.8	X	107.84798	20.43500	88.26816	2.55195	0.1356127	0.17466087	3.1696086	20	5 7.8	19.5
39340 2002 AS_{46}	14.8	X	20.83785	147.07597	152.23521	3.04661	0.0826130	0.19156070	2.9803351	20	9 8.9	18.4
39341 2002 AM_{50}	15.7	X	7.05494	250.39603	266.34598	1.43881	0.1475567	0.21979332	2.7193163	20	1 30.7	18.7
39342 2002 AA_{51}	14.6	X	56.24512	152.03933	123.54966	11.96702	0.0750656	0.19179043	2.9779547	20	9 30.9	18.9
39343 2002 AV_{58}	15.3	X	24.25192	3.95712	158.01331	5.55580	0.0441008	0.22277407	2.6950053	20	3 9.0	18.7
39344 2002 AC_{60}	14.3	X	178.41414	282.61550	138.00932	16.44698	0.1749477	0.17894741	3.1187874	20	5 23.2	19.8
39345 2002 AU_{63}	14.8	X	56.75250	157.24492	138.39332	14.61771	0.1724167	0.24436533	2.5338233	20	11 18.8	18.7
39346 2002 AT_{106}	15.5	X	42.17485	96.20514	319.57883	2.13200	0.0674636	0.21222031	2.7836294	20	—	—
39347 2002 AO_{107}	15.4	X	124.82154	99.77818	106.51112	3.63485	0.1414974	0.24346123	2.5400924	20	10 1.7	19.3
39348 2002 AE_{117}	14.5	X	305.90936	188.45466	50.43584	1.87831	0.0900451	0.16699671	3.2658591	20	2 29.7	19.1
39349 2002 AQ_{117}	14.6	X	108.50940	81.70187	126.86026	14.42331	0.0712143	0.24066848	2.5597049	20	9 13.9	18.3
39350 2002 AC_{120}	15.1	X	254.56186	288.41804	357.50034	2.22717	0.1167055	0.22108218	2.7087373	20	2 18.0	19.2
39351 2002 AB_{122}	15.6	X	269.52572	287.90907	103.49296	4.29255	0.1497806	0.29615290	2.2290786	20	7 21.9	17.9
39352 2002 AX_{123}	14.6	X	110.16874	138.20751	96.17905	2.28966	0.1269788	0.19040790	2.9923524	20	10 13.5	19.2
39353 2002 AR_{144}	15.4	X	353.25790	100.88712	148.28512	6.71768	0.1610393	0.23085447	2.6317453	20	5 17.8	18.0
39354 2002 AX_{148}	14.8	X	339.11482	269.79440	351.12030	4.68797	0.2063936	0.27684689	2.3315404	20	4 22.4	16.5
39355 2002 AH_{161}	15.3	X	324.20212	346.59848	237.45711	0.82840	0.2137027	0.27335424	2.3513585	20	1 31.2	18.1
39356 2002 AK_{161}	13.9	X	217.73792	57.35509	193.06831	1.50830	0.0356196	0.15598399	3.4178214	20	—	—
39357 2002 AD_{162}	15.4	X	182.01905	142.02521	145.14199	2.94545	0.0110279	0.21076189	2.7964560	20	—	—
39358 2002 AL_{162}	14.4	X	334.49963	41.78028	309.60167	8.77340	0.0987974	0.19018643	2.9946751	20	9 2.2	18.1
39359 2002 AD_{178}	15.0	X	236.50274	161.34663	133.05372	9.70856	0.0336497	0.21967184	2.7203187	20	2 15.9	18.8
39360 2002 AP_{178}	15.4	X	231.81907	223.26311	8.82176	1.31477	0.1355794	0.26102751	2.4248145	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
39361 2002 AM_{179}	16.0	X	219.89516	291.61880	109.93688	3.62114	0.1321217	0.28892886	2.2660810	20	6 4.7	19.2
39362 2002 BU_1	11.9	X	260.04652	283.25885	180.47178	9.73320	0.0608920	0.08536183	5.1085022	20	9 30.7	18.6
39363 2002 BW_6	16.1	X	159.05494	59.43287	0.88299	6.33747	0.1552896	0.28625948	2.2801468	20	4 25.6	19.5
39364 2002 BN_7	15.0	X	288.04235	120.67067	130.28689	14.10464	0.0598860	0.22048462	2.7136293	20	2 20.8	18.8
39365 2002 BP_{10}	15.7	X	48.96898	339.46026	118.83388	4.04473	0.1801450	0.27106169	2.3645978	20	1 17.4	17.4
39366 2002 BR_{10}	15.3	X	241.01493	194.84658	65.05316	3.14555	0.1865052	0.26455657	2.4032024	20	—	—
39367 2002 BY_{16}	15.0	X	176.14238	140.39835	162.09039	5.94573	0.0273445	0.21016975	2.8017061	20	—	—
39368 2002 BA_{18}	15.0	X	197.65984	129.90583	124.78761	2.90742	0.1732731	0.26049911	2.4280925	20	—	—
39369 2002 CE_{13}	11.1	X	100.36432	262.40151	354.61894	18.15320	0.0586867	0.08402900	5.1623793	20	10 3.7	18.1
39370 2002 CK_{22}	15.5	X	49.44057	349.69772	128.16198	2.96393	0.0270260	0.21902051	2.7257092	20	2 15.4	19.0
39371 2002 CF_{49}	14.2	X	139.59628	347.23132	191.15606	11.29376	0.0534339	0.18812712	3.0164893	20	8 28.2	18.8
39372 2002 CS_{51}	14.0	X	316.68350	79.93987	167.63352	4.68755	0.0531448	0.16720260	3.2631775	20	3 29.9	18.5
39373 2002 CX_{53}	15.5	X	299.31059	15.13957	232.30040	1.62030	0.1798399	0.27167561	2.3610342	20	2 4.2	18.6
39374 2002 CB_{83}	15.3	X	290.78580	252.67346	4.94585	2.76961	0.0310166	0.22056194	2.7129951	20	3 6.9	18.9
39375 2002 CW_{100}	15.3	X	355.80118	109.06436	95.72072	1.92664	0.1483942	0.27429028	2.3460059	20	3 10.3	17.4
39376 2002 CU_{105}	14.7	X	189.77265	223.72526	88.37318	1.88176	0.2172214	0.26331026	2.4107797	20	1 15.9	18.6
39377 2002 CO_{106}	15.9	X	160.27001	119.24897	6.20284	4.39133	0.2129621	0.23550049	2.5970173	20	7 24.6	20.3
39378 2101 *P–L*	15.2	X	191.99196	124.10529	215.97240	5.01356	0.1036920	0.22253537	2.6969321	20	2 19.2	19.5
39379 2120 *P–L*	16.1	X	184.78248	87.30986	214.84380	6.51830	0.1292883	0.28672987	2.2776523	20	—	—
39380 2169 *P–L*	15.8	X	43.66681	152.28315	356.85389	6.71087	0.0545767	0.27239929	2.3568507	20	3 14.9	18.2
39381 2603 *P–L*	16.5	X	78.93244	275.60885	155.57731	2.88246	0.1889515	0.27008386	2.3703017	20	2 7.7	18.8
39382 Opportunity	14.4	X	181.69916	297.65703	128.94089	2.90130	0.1986911	0.12463651	3.9692263	20	5 29.2	20.9
39383 2765 *P–L*	15.7	X	150.82052	26.61474	14.41096	1.20953	0.1878408	0.22279209	2.6948600	20	3 31.2	20.1
39384 2814 *P–L*	14.7	X	358.21240	281.17930	2.42789	6.19054	0.1443526	0.17890845	3.1192401	20	7 15.7	18.3
39385 4017 *P–L*	14.5	X	96.40884	23.69280	359.34648	13.18865	0.2589218	0.21973437	2.7198026	20	1 25.9	18.2
39386 4039 *P–L*	15.9	X	236.97558	112.61121	208.30276	1.66287	0.2275960	0.27392012	2.3481189	20	3 1.9	19.9
39387 4150 *P–L*	14.9	X	140.94894	207.06276	188.33186	11.96228	0.1922483	0.22234082	2.6985051	20	3 14.6	19.1
39388 4190 *P–L*	15.8	X	169.03250	112.99549	225.23700	5.72562	0.1593872	0.27112806	2.3642119	20	1 23.3	19.4
39389 4191 *P–L*	14.2	X	333.87076	311.11256	348.03264	15.24242	0.0543254	0.17763612	3.1341169	20	6 28.7	18.7
39390 4839 *P–L*	16.1	X	269.17587	127.81203	165.65949	2.18431	0.2050683	0.27438626	2.3454588	20	2 27.8	19.6
39391 4885 *P–L*	15.8	X	236.92534	292.55706	2.23093	4.34693	0.2054481	0.27298518	2.3534772	20	2 2.1	19.6
39392 4893 *P–L*	14.3	X	353.44830	67.47752	25.07124	2.26614	0.0268549	0.20172078	2.8794019	20	—	—
39393 5564 *P–L*	15.9	X	86.93503	341.40293	52.92551	3.45417	0.1981256	0.26911345	2.3759964	20	1 1.6	18.2
39394 6027 *P–L*	15.7	X	322.11033	243.27633	10.17547	2.25444	0.1832419	0.27507735	2.3415287	20	3 15.1	18.0
39395 6199 *P–L*	16.3	X	284.47591	174.00019	211.13215	2.86556	0.1676468	0.29444040	2.2377134	20	8 1.4	18.4
39396 6243 *P–L*	15.5	X	15.13623	219.62227	319.84485	2.83448	0.0748495	0.27308354	2.3529121	20	3 11.1	18.0
39397 6514 *P–L*	14.5	X	212.34674	353.76871	4.00203	14.14274	0.1408996	0.22454351	2.6808286	20	3 31.6	18.9
39398 6609 *P–L*	14.9	X	150.58922	17.11202	11.57450	13.71104	0.1851784	0.22269323	2.6956575	20	3 18.3	19.2
39399 6688 *P–L*	14.8	X	263.50290	342.69479	1.41818	5.22280	0.1927477	0.17795675	3.1303512	20	5 1.1	19.5
39400 6808 *P–L*	14.6	X	28.38113	247.12336	24.30828	5.22127	0.1274120	0.17992149	3.1075206	20	8 20.2	18.5
39401 7572 *P–L*	15.6	X	190.69213	150.20381	137.21845	3.63141	0.1250091	0.28664237	2.2781158	20	—	—
39402 9074 *P–L*	15.1	X	137.79712	174.07519	245.55531	0.74995	0.1478424	0.22332146	2.6905996	20	4 7.1	19.2
39403 9514 *P–L*	14.4	X	116.99071	34.22442	48.45803	2.46881	0.0414394	0.20743814	2.8262483	20	4 2.2	18.2
39404 9582 *P–L*	13.8	X	13.15396	93.45737	172.04459	16.22137	0.2181937	0.17981741	3.1087196	20	7 21.6	17.3
39405 Mosigkau	13.2	X	328.06581	66.11258	246.63181	1.75122	0.2224848	0.12469096	3.9680707	20	6 17.7	17.8
39406 1145 *T–1*	15.3	X	298.71572	191.02404	315.84137	3.65007	0.1281871	0.25536856	2.4605060	20	—	—
39407 1187 *T–1*	17.2	X	96.62432	292.65775	215.92084	2.00971	0.1521768	0.28433472	2.2904252	20	6 17.4	20.2
39408 1273 *T–1*	14.6	X	81.09717	115.87896	179.97971	6.55030	0.0921981	0.19064627	2.9898576	20	11 22.8	19.0
39409 2100 *T–1*	15.7	X	151.21835	52.85913	11.30908	6.02087	0.1776160	0.28361919	2.2942759	20	4 25.0	19.2
39410 2191 *T–1*	16.2	X	357.74524	116.46094	158.00500	6.26499	0.1780986	0.28440213	2.2900633	20	7 8.8	17.9
39411 2266 *T–1*	14.6	X	219.42478	11.69639	99.80690	1.76237	0.0980315	0.18915697	3.0055305	20	9 2.9	19.0
39412 3097 *T–1*	15.8	X	275.86422	196.62594	266.93016	2.36806	0.1845461	0.25279740	2.4771615	20	11 3.1	18.3
39413 3113 *T–1*	15.7	X	113.06334	143.83794	21.74433	1.52614	0.1183085	0.28579701	2.2826058	20	7 27.9	18.8
39414 3283 *T–1*	15.6	X	182.53466	255.85906	13.55066	4.50043	0.1388913	0.25442792	2.4665667	20	—	—
39415 Janeausten	13.2	X	38.20995	162.74974	123.42801	2.38273	0.2037172	0.12616547	3.9370933	20	9 24.2	18.2
39416 1024 *T–2*	15.8	X	268.82666	179.99653	199.97067	7.04784	0.2015766	0.29086799	2.2559983	20	6 23.8	18.7
39417 1100 *T–2*	14.9	X	55.00843	0.11513	187.40092	9.36849	0.0827802	0.22520646	2.6755649	20	6 2.6	18.4
39418 1204 *T–2*	15.4	X	119.99782	216.65658	22.67061	3.39619	0.1106780	0.29615297	2.2290783	20	11 12.1	18.5
39419 1244 *T–2*	14.9	X	107.88418	265.01475	189.93162	14.24456	0.0956754	0.22232482	2.6986346	20	4 13.6	18.5
39420 Elizabethgaskell	15.0	X	224.57910	317.86354	187.46607	21.51746	0.0792924	0.35890496	1.9610248	20	11 30.1	17.4
39421 2128 *T–2*	15.1	X	74.26976	292.16055	12.70756	8.51443	0.1185424	0.29713032	2.2241875	20	12 19.5	18.3
39422 3109 *T–2*	15.0	X	49.94808	147.99411	166.89550	10.74150	0.1233393	0.19094976	2.9866887	20	11 15.5	19.3
39423 3136 *T–2*	15.2	X	232.38970	262.98153	150.90547	4.25793	0.1412923	0.18427817	3.0583472	20	7 1.0	19.8
39424 3143 *T–2*	15.0	X	341.25018	321.69772	33.00747	2.45256	0.0843981	0.29415195	2.2391760	20	10 12.9	17.0
39425 3240 *T–2*	14.6	X	3.78580	250.49783	105.94625	1.80567	0.0988905	0.19000738	2.9965560	20	10 29.7	18.2
39426 3278 *T–2*	15.5	X	173.98948	176.76707	126.96153	3.04008	0.2137435	0.26137001	2.4226958	20	—	—
39427 Charlottebronte	12.6	X	355.44191	240.76438	68.45427	3.86081	0.1841231	0.12330832	3.9976780	20	8 8.6	17.3
39428 Emilybronte	15.0	X	6.38557	305.67145	73.79455	3.38019	0.2003868	0.25430638	2.4673526	20	—	—
39429 Annebronte	15.2	X	298.94962	14.26949	171.56865	11.29282	0.1223375	0.26006480	2.4307950	20	—	—
39430 4264 *T–2*	14.8	X	284.63109	242.43517	24.93541	13.80765	0.1187663	0.22286764	2.6942509	20	3 4.6	18.7
39431 5178 *T–2*	14.0	X	257.16533	200.73100	245.50457	8.71379	0.0595767	0.18827782	3.0148794	20	9 16.4	18.4
39432 1079 *T–3*	14.3	X	292.28576	58.84675	243.43422	11.77439	0.1666951	0.22319014	2.6916549	20	4 11.7	18.0
39433 1113 *T–3*	14.3	X	267.88008	9.16484	349.85578	14.30962	0.0945899	0.17785699	3.1315217	20	6 6.1	19.0
39434 1202 *T–3*	15.5	X	36.94123	14.02656	316.07431	5.45801	0.0352433	0.29991749	2.2103863	20	11 25.9	18.2
39435 2029 *T–3*	14.5	X	47.72734	137.12252	355.64074	9.13321	0.1538105	0.21745940	2.7387386	20	3 15.0	17.3
39436 2162 *T–3*	15.5	X	137.45882	70.05502	243.46994	5.56594	0.1353513	0.25982563	2.4322865	20	—	—
39437 2203 *T–3*	13.7	X	101.13095	270.94505	214.87322	11.92162	0.0869217	0.17393442	3.1784279	20	5 15.1	18.2
39438 2218 *T–3*	15.3	X	217.62991	69.75402	1.25845	5.99685	0.1697140	0.29358871	2.2420389	20	7 10.7	18.6
39439 2242 *T–3*	14.2	X	348.41345	326.59910	355.45740	8.53215	0.1238734	0.18127870	3.0919908	20	8 20.9	17.8
39440 2282 *T–3*	15.4	X	324.73129	267.84332	206.94595	7.40403	0.1578066	0.25714691	2.4491488	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
39441 2293 T–3	14.7	X	185.03381	26.33756	3.89389	11.81702	0.0704923	0.17437906	3.1730226	20	4 15.1	19.6
39442 2384 T–3	15.8	X	274.91082	153.99477	231.51411	3.95785	0.1456978	0.29516202	2.2340646	20	7 20.6	18.1
39443 2394 T–3	14.2	X	202.30837	22.92504	17.32120	25.04983	0.1165653	0.17565278	3.1576648	20	5 8.1	19.5
39444 3264 T–3	15.0	X	140.93933	60.71578	19.37483	0.24218	0.1608709	0.17338944	3.1850845	20	5 8.4	20.1
39445 3336 T–3	16.3	X	69.77108	195.97069	126.07902	1.19085	0.1083330	0.30202629	2.2000855	20	—	—
39446 3348 T–3	14.0	X	314.39672	294.47472	10.68549	0.87406	0.1248232	0.17869282	3.1217489	20	5 28.7	18.0
39447 3412 T–3	15.0	X	169.40947	149.86947	193.78951	8.92727	0.1380489	0.21724780	2.7405167	20	2 3.4	19.4
39448 3455 T–3	15.3	X	102.30826	6.76968	30.71394	2.35552	0.0849412	0.21568676	2.7537239	20	1 22.9	18.8
39449 3486 T–3	15.2	X	143.97256	107.52979	322.54581	0.69343	0.1830716	0.17324614	3.1868406	20	4 30.4	20.5
39450 3552 T–3	14.8	X	123.93881	23.45446	57.77532	2.19247	0.1726054	0.17235834	3.1977746	20	4 25.0	19.7
39451 3992 T–3	15.5	X	67.21064	271.00035	65.68103	3.34204	0.1811549	0.25672731	2.4518167	20	—	—
39452 4027 T–3	16.7	X	315.35292	206.64941	154.94398	5.38993	0.1953346	0.29688145	2.2254303	20	8 26.9	18.0
39453 4070 T–3	13.3	X	93.67484	298.67038	188.00529	23.00631	0.0936621	0.17336110	3.1854315	20	5 9.6	18.1
39454 4082 T–3	14.4	X	36.68806	35.18471	182.08540	13.14847	0.1162580	0.22321918	2.6914214	20	6 19.2	17.9
39455 4091 T–3	14.2	X	316.92839	195.15999	59.29183	8.04513	0.1017501	0.17491170	3.1665776	20	4 3.7	18.4
39456 4120 T–3	15.0	X	103.94527	341.63563	125.77357	4.11854	0.0562109	0.22012480	2.7165857	20	4 20.1	18.7
39457 4167 T–3	15.3	X	128.99713	252.03933	122.91393	5.27217	0.0993584	0.21616212	2.7496853	20	1 28.9	19.2
39458 4198 T–3	13.8	X	139.26345	328.98044	185.42329	15.99086	0.1316119	0.17810349	3.1286317	20	7 31.8	19.0
39459 4266 T–3	13.5	X	352.19622	281.74801	41.76778	17.79124	0.1472466	0.18179226	3.0861649	20	9 8.1	17.4
39460 4332 T–3	13.6	X	135.24759	128.66378	34.96555	17.23378	0.1612309	0.17870006	3.1216646	20	8 21.3	19.0
39461 5019 T–3	13.7	X	173.61338	248.89811	155.42466	14.26122	0.1174045	0.17442754	3.1724346	20	4 28.2	18.9
39462 5175 T–3	14.8	X	310.52636	50.07359	102.82092	11.03996	0.1705859	0.25848290	2.4407025	20	—	—
39463 Phyleus	12.4	X	320.90731	277.71192	143.53439	5.76269	0.0866345	0.08365764	5.1776453	20	10 24.6	18.9
39464 Pöppelmann	15.4	X	124.13551	196.80672	171.81069	0.70271	0.1934587	0.26035162	2.4290094	20	1 21.1	18.7
39465 1978 RW_6	14.8	X	266.08233	9.78157	332.41341	7.60215	0.0692787	0.27744412	2.3281933	20	5 14.7	17.9
39466 1978 RX_6	15.9	X	257.66612	172.11960	156.82629	6.84944	0.1520023	0.27631547	2.3345289	20	4 9.5	19.3
39467 1978 RA_7	15.7	X	0.03088	124.36611	147.07221	0.80552	0.1921104	0.28020575	2.3128707	20	7 10.5	16.9
39468 1978 RY_7	15.5	X	6.99793	92.87233	162.18254	7.18158	0.0773624	0.27882538	2.3204979	20	6 21.6	17.9
39469 1978 RG_9	14.7	X	88.78370	296.43104	340.40736	10.72690	0.1513433	0.23901745	2.5714790	20	11 17.6	18.8
39470 1978 UB_7	15.5	X	78.89229	91.65847	12.38442	14.27029	0.1841282	0.22254707	2.6968376	20	3 30.9	18.9
39471 1978 UF_8	15.6	X	254.53685	67.85883	20.74381	3.15175	0.1243121	0.30445631	2.1883632	20	9 29.6	17.6
39472 1978 VJ_3	14.2	X	169.43866	278.23500	254.27776	9.16143	0.0519457	0.18419439	3.0592745	20	9 20.9	18.9
39473 1978 VW_3	15.3	X	35.84817	251.47099	246.48589	5.92617	0.0230234	0.26808349	2.3820781	20	2 12.5	18.2
39474 1978 VC_7	11.7	X	297.44060	219.79380	71.62541	13.05161	0.0892503	0.08153682	5.2670432	20	4 29.9	18.6
39475 1978 VE_8	14.2	X	278.68547	67.79430	60.32151	3.17989	0.0685471	0.18819169	3.0157992	20	12 8.8	18.0
39476 1979 MA_2	15.8	X	104.01165	24.92107	249.45339	6.15001	0.1124164	0.29522855	2.2337290	20	12 11.3	18.9
39477 1979 MF_5	14.5	X	126.30653	65.41839	281.94035	5.57365	0.0602441	0.20425600	2.8555263	20	—	—
39478 1980 FR_4	15.7	X	327.20014	55.97878	177.32863	6.64226	0.0803589	0.27085575	2.3657963	20	3 10.6	18.5
39479 1980 UQ_1	15.4	X	103.98576	133.12420	263.11502	4.49933	0.1516075	0.28119559	2.3074398	20	1 20.5	18.0
39480 1981 DU	14.8	X	27.54603	39.29956	257.34796	6.53078	0.1604886	0.28532737	2.2851099	20	10 11.2	17.3
39481 1981 DP_1	15.2	X	327.91741	48.16440	247.78683	6.67680	0.1318789	0.28123885	2.3072032	20	6 8.1	17.3
39482 1981 DD_2	14.8	X	163.21185	252.74536	267.46303	7.68915	0.0830803	0.18610651	3.0382838	20	8 30.5	19.5
39483 1981 DW_2	15.6	X	305.97504	55.42750	257.50231	5.93076	0.1161916	0.28123499	2.3072243	20	5 26.8	18.0
39484 1981 DP_3	14.5	X	160.77815	310.49999	223.79090	9.68265	0.0404282	0.18676492	3.0311389	20	9 14.9	19.1
39485 1981 EO_3	14.3	X	17.49964	343.09605	324.31872	15.19414	0.2056888	0.23530936	2.5984234	20	10 1.1	17.4
39486 1981 ET_5	14.8	X	354.67289	142.30939	213.03887	10.77592	0.0540895	0.23848933	2.5752738	20	10 19.9	17.8
39487 1981 EC_6	15.1	X	61.59090	17.38216	304.36214	8.90852	0.2300580	0.26445237	2.4038336	20	—	—
39488 1981 EM_6	14.7	X	343.79016	130.88856	214.52091	13.05523	0.1284006	0.23631811	2.5910237	20	9 18.4	17.5
39489 1981 EU_6	15.1	X	295.51879	71.67070	245.86909	7.96389	0.2907777	0.27955580	2.3164542	20	4 14.9	18.1
39490 1981 EQ_7	14.7	X	92.18573	343.63968	307.68005	8.27075	0.0557973	0.19016059	2.9949463	20	11 22.6	19.2
39491 1981 EW_8	15.2	X	237.41154	236.90956	215.43317	3.62750	0.2052520	0.23867116	2.5739657	20	8 19.5	18.9
39492 1981 EO_{10}	14.7	X	250.00836	193.53521	196.01292	14.41379	0.0856990	0.23353287	2.6115842	20	6 27.2	18.6
39493 1981 EV_{10}	16.3	X	226.70918	205.16238	237.05799	4.73862	0.0724105	0.28607689	2.2811169	20	8 13.9	19.2
39494 1981 EM_{11}	15.4	X	140.06424	173.03736	304.18421	6.01823	0.0644564	0.28250159	2.3003228	20	6 17.2	18.5
39495 1981 EP_{11}	15.4	X	334.25317	22.76707	325.32722	5.53635	0.2280665	0.28635048	2.2796636	20	9 19.6	16.5
39496 1981 EM_{14}	15.1	X	28.70167	82.36269	220.33969	7.31863	0.0070863	0.23670255	2.5882174	20	9 19.3	18.5
39497 1981 EB_{18}	15.4	X	121.24988	59.35210	174.76795	4.01685	0.1487837	0.23803992	2.5785141	20	10 31.5	19.4
39498 1981 EH_{25}	15.7	X	125.48256	11.04475	175.18541	4.55527	0.1118260	0.23532691	2.5982942	20	9 1.8	19.5
39499 1981 EJ_{29}	14.0	X	221.98032	287.89433	197.27125	9.68689	0.0448056	0.18821697	3.0155292	20	9 27.3	18.4
39500 1981 EK_{30}	16.0	X	25.72636	4.79359	262.10796	6.11963	0.1017301	0.28355322	2.2946317	20	8 13.8	18.4
39501 1981 EV_{31}	15.4	X	256.95532	231.26602	169.71810	5.09314	0.1548620	0.28537590	2.2848508	20	7 15.0	18.3
39502 1981 EE_{36}	14.4	X	335.02365	83.66262	325.81020	9.34081	0.0608607	0.19031939	2.9932801	20	11 17.9	18.4
39503 1981 EC_{38}	15.5	X	291.70893	129.69655	233.35634	2.42281	0.0990038	0.28458646	2.2890743	20	7 21.8	17.8
39504 1981 EZ_{39}	15.6	X	245.76037	46.79544	1.65001	4.09323	0.1346454	0.28547571	2.2843182	20	7 15.8	18.5
39505 1981 EX_{40}	14.5	X	324.05950	53.72936	349.38106	10.52702	0.0295395	0.18940876	3.0028663	20	10 24.4	18.7
39506 1981 EO_{44}	16.2	X	240.43712	84.95280	328.49918	1.76396	0.0447253	0.28500021	2.2868583	20	7 28.8	19.0
39507 1981 EC_{45}	14.7	X	351.38891	199.77879	199.28133	11.49866	0.1185220	0.19135281	2.9824934	20	12 6.4	18.5
39508 1981 EW_{46}	15.0	X	323.06813	45.92944	32.09121	0.83716	0.1194359	0.19275475	2.9680143	20	12 10.3	18.4
39509 Kardashev	14.2	X	96.05871	192.76773	183.51122	8.42276	0.2292893	0.21041055	2.7995682	20	1 8.5	17.9
39510 1982 DU	12.8	X	187.22185	144.49139	342.00480	17.89740	0.2117315	0.19095345	2.9866503	20	8 17.2	18.0
39511 1985 SH_1	15.6	X	151.47242	211.05132	165.93888	2.65917	0.1739685	0.26861885	2.3789121	20	2 26.5	19.1
39512 1985 TA_1	15.1	X	202.46434	176.81082	197.17704	2.04735	0.2308514	0.27199319	2.3591960	20	4 9.0	19.2
39513 1986 QE_1	14.8	X	9.11235	262.96911	75.71347	2.82503	0.1601783	0.29289206	2.2455927	20	11 17.4	16.8
39514 1986 TV_3	14.9	X	342.90723	331.21647	46.46390	2.58567	0.2012052	0.29165562	2.2519348	20	12 4.2	16.6
39515 1986 XD_5	15.1	X	291.59979	312.82414	74.85528	8.73942	0.2193291	0.28654415	2.2786363	20	8 13.7	17.2
39516 Lusigny	14.6	X	37.61075	80.37778	243.22754	10.67909	0.2328879	0.24375440	2.5380553	20	12 5.7	18.1
39517 1988 CV_2	15.2	X	156.28481	300.67663	114.34287	4.80244	0.2095520	0.28368837	2.2939029	20	4 23.5	18.8
39518 1988 CS_4	14.2	X	56.82324	74.52398	174.17444	18.94156	0.0449023	0.22626334	2.6672266	20	8 20.0	17.8
39519 1988 CQ_5	15.6	X	206.76481	228.85425	235.76841	5.52246	0.0726147	0.28864616	2.2675604	20	8 19.4	18.6
39520 1988 NY	14.5	X	335.77878	164.47280	110.75957	23.86599	0.1817857	0.27499546	2.3419936	20	5 25.4	17.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
39521 1988 PQ	15.6	X	283.70344	1.55173	298.84579	3.80159	0.1619362	0.27092086	2.3654172	20	3 27.6	18.8
39522 1988 RA_{12}	14.8	X	81.34013	225.06100	170.42742	3.61436	0.1778681	0.25870106	2.4393301	20	—	—
39523 1989 ST_2	15.3	X	234.70318	331.73843	33.36540	11.59654	0.2393037	0.27780977	2.3261499	20	4 23.8	18.9
39524 1989 SM_3	14.7	X	284.98719	254.77085	43.98644	8.22652	0.2087100	0.21349282	2.7725573	20	3 29.9	18.7
39525 1989 TR_2	12.3	X	25.18742	31.69023	51.63290	13.81250	0.1309239	0.19937416	2.9019514	20	—	—
39526 1989 TW_3	15.8	X	328.53449	177.70907	133.97966	4.29836	0.1780307	0.28223497	2.3017713	20	6 30.5	17.4
39527 1989 TO_5	15.3	X	252.44803	272.52567	81.16306	4.08215	0.1923971	0.27843227	2.3226815	20	5 1.3	18.6
39528 1989 TB_{16}	15.4	X	277.44125	18.10020	355.32135	3.94155	0.1503521	0.28208093	2.3026092	20	7 6.3	18.0
39529 Vatnajökull	15.9	X	236.49883	203.61552	177.87817	8.05541	0.1459964	0.27771522	2.3266779	20	5 26.6	19.3
39530 1990 EX_1	13.8	X	104.78283	300.83088	203.93059	11.78992	0.1523786	0.17029294	3.2235788	20	6 19.1	18.8
39531 1990 ER_2	15.0	X	178.29441	7.10071	234.75687	4.53369	0.0810193	0.25005116	2.4952657	20	—	—
39532 1990 HZ_1	13.4	X	227.96817	6.11294	130.55762	15.31072	0.1870219	0.18203772	3.0833900	20	10 7.4	18.4
39533 1990 QD_3	15.8	X	129.41188	6.70644	337.60460	6.21418	0.1838452	0.31014940	2.1615009	20	—	—
39534 1990 RK_1	13.6	X	244.06966	24.96801	358.05860	13.37065	0.1883656	0.22352741	2.6889467	20	5 27.6	18.0
39535 1990 RX_7	14.7	X	88.51519	296.92968	161.29533	6.05839	0.0477751	0.21713254	2.7414865	20	3 16.7	18.3
39536 Lenhof	15.7	X	9.79806	45.32133	236.94405	5.66149	0.1695851	0.29271793	2.2464832	20	8 19.1	17.5
39537 1990 VV_2	13.3	X	153.35190	177.38250	226.83702	8.59759	0.1575689	0.21420889	2.7663750	20	4 2.9	17.7
39538 1991 FD_2	15.4	X	37.92228	169.60356	13.12116	2.54644	0.1514518	0.27436607	2.3455739	20	5 3.2	17.3
39539 Emmadesmet	13.3	X	210.82311	130.43951	15.82434	9.14741	0.0833788	0.18495875	3.0508402	20	10 6.9	17.9
39540 Borchert	15.9	X	154.60723	172.58256	55.14872	3.22380	0.1278021	0.25324161	2.4742638	20	11 25.2	19.7
39541 1991 LA	17.0	X	354.87637	242.57054	83.38307	0.94599	0.2073571	0.31145608	2.1554511	20	10 14.8	18.3
39542 1991 PO_3	15.7	X	161.88077	349.86452	339.85941	2.56139	0.1964053	0.25575384	2.4580343	20	1 13.1	19.4
39543 Aubriet	13.7	X	21.38227	46.55414	340.18680	8.52612	0.1497783	0.21198682	2.7856731	20	—	—
39544 1991 TN_{14}	15.0	X	288.56530	272.68154	104.34923	2.87773	0.1876411	0.23422252	2.6064553	20	7 19.1	18.1
39545 1992 DH_3	14.8	X	304.49431	240.02435	338.36631	6.64989	0.1480412	0.20839320	2.8176066	20	1 20.5	18.8
39546 1992 DT_5	14.6	X	86.32175	303.21174	150.58380	5.26297	0.0235904	0.21134546	2.7913059	20	3 5.2	18.2
39547 1992 DE_7	15.0	X	244.91974	358.17302	151.60202	13.57904	0.0748711	0.23200045	2.6230717	20	12 3.7	18.7
39548 1992 DA_8	14.6	X	250.99269	167.60038	130.57021	5.12268	0.0823748	0.21109026	2.7935552	20	3 5.3	18.6
39549 Casals	14.8	X	38.39738	355.92873	140.75311	9.70589	0.1247410	0.21223577	2.7834943	20	3 3.5	17.9
39550 1992 ES_4	15.0	X	31.91241	5.05423	116.29789	5.25458	0.0398165	0.20936581	2.8088737	20	1 29.0	18.6
39551 1992 EW_5	14.7	X	172.88471	230.55573	109.17644	4.57023	0.1754266	0.31340561	2.1465032	20	1 27.0	17.7
39552 1992 EY_7	14.9	X	290.51021	64.62382	161.97024	8.63940	0.0412895	0.20895417	2.8125614	20	1 25.9	18.8
39553 1992 EO_{12}	14.2	X	165.77334	259.39825	117.43080	4.49695	0.1064752	0.21227680	2.7831356	20	3 13.4	18.4
39554 1992 EW_{19}	14.4	X	145.58344	290.30672	89.12684	5.40288	0.0834133	0.21103361	2.7940551	20	2 22.9	18.5
39555 1992 EY_{32}	14.7	X	278.97220	198.69852	169.35762	12.21197	0.1958763	0.22237741	2.6982091	20	6 20.5	18.5
39556 1992 GF_2	14.7	X	89.66798	300.64980	36.36748	2.12873	0.1174843	0.30071583	2.2064725	20	—	—
39557 Gielgud	16.9	X	50.15326	239.89933	58.52786	5.55085	0.4246223	0.28907774	2.2653029	20	12 14.7	20.8
39558 Kishine	14.8	X	138.59022	64.58165	180.42233	3.71557	0.1298911	0.29541618	2.2327831	20	12 9.2	18.0
39559 1992 OL_8	15.6	X	275.91797	220.30240	124.85803	3.60342	0.1916083	0.27787964	2.3257600	20	5 17.2	18.6
39560 1992 PM_2	15.4	X	27.47395	72.74865	243.79062	4.70764	0.1870787	0.28602070	2.2814156	20	11 15.9	18.1
39561 1992 QA	15.2	X	42.82345	149.20413	53.87440	26.23123	0.1117478	0.38549041	1.8697936	20	6 4.6	16.6
39562 1992 QK	14.1	X	218.65344	61.61469	284.40789	6.01995	0.1553491	0.27091264	2.3654650	20	3 17.6	17.9
39563 1992 RB	15.8	X	33.27620	316.57918	129.17546	25.28433	0.0783452	0.36716233	1.9315115	20	—	—
39564 Tarsia	15.9	X	3.90520	272.43697	8.85745	7.72290	0.2046086	0.27985363	2.3148104	20	8 13.6	17.6
39565 1992 SL	18.4	X	66.57407	344.74353	0.96244	8.59747	0.3341365	0.46840900	1.6420482	20	—	—
39566 Carllewis	15.0	X	281.10093	148.48624	190.79441	5.34300	0.2227582	0.27524020	2.3406050	20	5 10.9	18.1
39567 1992 ST_2	14.5	X	201.44399	196.44125	194.96819	24.25533	0.1341663	0.27148645	2.3621308	20	5 3.9	18.3
39568 1992 SM_3	16.0	X	60.84809	317.12724	116.35808	1.70383	0.1354338	0.26210388	2.4181714	20	1 3.4	18.1
39569 1992 SV_3	15.8	X	76.32222	308.10452	135.77801	2.73731	0.1443438	0.26449776	2.4035586	20	2 16.1	18.2
39570 1992 SV_{11}	15.2	X	252.60417	307.44541	6.21960	5.96784	0.1322043	0.27045121	2.3681548	20	3 15.9	18.5
39571 Pückler	15.2	X	224.04928	127.54253	235.68991	5.81238	0.1495235	0.27195542	2.3594145	20	4 16.2	18.8
39572 1993 DQ_1	16.5	X	23.37424	344.80538	313.55212	10.02441	0.4924207	0.33910817	2.0366226	20	12 8.4	19.7
39573 1993 FO_4	15.2	X	151.90884	315.08113	172.31206	11.93661	0.1458806	0.22818679	2.6522170	20	7 15.1	19.6
39574 1993 FM_5	14.9	X	235.42489	296.13820	104.05725	2.19588	0.1129908	0.22740815	2.6582676	20	6 21.2	18.6
39575 1993 FR_5	14.7	X	309.48948	273.08313	75.08534	2.77892	0.0392762	0.22868088	2.6483953	20	8 2.0	17.9
39576 1993 FO_{11}	14.8	X	45.57559	68.30726	154.99261	6.74450	0.0393918	0.22542681	2.6738211	20	6 30.9	18.3
39577 1993 FV_{12}	15.5	X	19.55625	96.38458	167.76182	12.81732	0.2485005	0.22453597	2.6808886	20	8 13.6	18.1
39578 1993 FV_{13}	13.9	X	334.10457	329.87478	23.46438	15.16745	0.1475911	0.23146375	2.6271249	20	9 20.5	16.6
39579 1993 FD_{16}	14.6	X	317.01512	252.36862	52.83814	7.98470	0.1701165	0.22336254	2.6902697	20	5 25.9	17.6
39580 1993 FF_{20}	15.3	X	91.31380	27.56080	102.54841	5.56557	0.1243273	0.22193244	2.7018145	20	5 13.6	18.9
39581 1993 FQ_{21}	14.9	X	240.93955	334.43632	355.05689	2.05254	0.0881877	0.21879097	2.7276153	20	3 30.3	19.0
39582 1993 FR_{21}	15.3	X	83.24215	113.08337	4.88490	5.45763	0.0276263	0.21886498	2.7270004	20	3 31.2	19.0
39583 1993 FN_{23}	15.2	X	288.12915	74.82609	228.83907	3.22505	0.1611524	0.21975772	2.7196099	20	4 11.7	18.7
39584 1993 FO_{23}	14.1	X	78.73688	17.95458	200.59232	11.96518	0.1118950	0.22743910	2.6580265	20	8 17.5	18.0
39585 1993 FJ_{26}	14.9	X	328.05906	330.88789	311.19337	4.27300	0.1912020	0.22151949	2.7051712	20	5 8.3	17.9
39586 1993 FW_{27}	15.4	X	191.12305	121.84194	252.68245	2.86721	0.1266807	0.21983383	2.7189822	20	4 1.5	19.6
39587 1993 FF_{30}	14.9	X	251.22862	43.21802	268.45161	3.70127	0.1026831	0.21823841	2.7322174	20	3 16.3	19.0
39588 1993 FZ_{37}	14.9	X	68.08755	336.92358	167.47814	4.04401	0.0397638	0.21996368	2.7179120	20	4 17.7	18.4
39589 1993 FL_{75}	15.3	X	179.92045	145.89420	246.49414	1.34261	0.0307476	0.21988210	2.7185843	20	4 11.4	18.9
39590 1993 FG_{76}	14.8	X	264.94509	126.13432	192.44390	8.74073	0.2040743	0.21884346	2.7271792	20	3 30.3	19.1
39591 1993 LR_1	13.8	X	11.31838	237.18456	297.19392	12.31942	0.1621150	0.21617928	2.7495398	20	2 27.0	16.9
39592 1993 OD_6	15.3	X	147.75097	46.34431	298.23678	3.22376	0.1397587	0.27548910	2.3391950	20	1 8.2	18.5
39593 1993 OM_{10}	14.9	X	202.61998	210.08018	155.10549	1.57612	0.1986750	0.17284883	3.1917222	20	4 3.9	20.2
39594 1993 PP_7	15.6	X	166.55193	353.18486	313.39191	1.52825	0.1776172	0.30945190	2.1647477	20	—	—
39595 1993 QP_6	14.5	X	13.03580	218.54515	160.01272	8.83102	0.1147382	0.18819331	3.0157818	20	12 11.9	18.5
39596 1993 QZ_8	15.7	X	178.94156	340.43459	91.87560	2.08764	0.1816017	0.28311099	2.2970207	20	6 2.5	19.2
39597 1993 RP_6	15.2	X	62.05668	340.50127	340.57561	3.21765	0.0568361	0.29793610	2.2201755	20	12 20.9	17.9
39598 1993 RG_{13}	14.4	X	242.89749	293.93342	178.68263	9.80364	0.0665782	0.18406855	3.0606687	20	10 5.2	18.7
39599 1993 SC_6	15.8	X	145.70516	62.47846	212.28480	2.90400	0.1505502	0.30280314	2.1963209	20	—	—
39600 1993 TX_{15}	16.0	X	182.49864	39.49767	62.91494	2.40342	0.1052730	0.28503431	2.2866760	20	7 18.5	19.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
39601 1993 TG_{18}	14.6	X	183.63038	261.13365	184.80775	4.65639	0.1372537	0.17104093	3.2141737	20	6 22.9	19.8
39602 1993 TH_{20}	14.4	X	349.43594	293.02325	46.85713	5.82433	0.0579622	0.18017415	3.1046148	20	9 14.5	18.5
39603 1993 TU_{20}	15.2	X	68.99621	142.69390	27.89696	9.14148	0.1565681	0.28045014	2.3115268	20	6 9.9	18.0
39604 1993 TM_{23}	15.2	X	217.03202	276.96773	171.13249	5.90582	0.1279237	0.28679356	2.2773151	20	8 4.0	18.4
39605 1993 TX_{23}	14.6	X	65.10537	195.03987	96.72126	4.11661	0.1368335	0.18427268	3.0584080	20	11 4.6	19.0
39606 1993 TL_{24}	13.4	X	246.81190	35.67208	28.17546	16.94343	0.0945494	0.17644475	3.1482090	20	8 11.8	18.3
39607 1993 TF_{30}	14.2	X	315.64354	312.61383	37.00385	18.62893	0.1326264	0.17730406	3.1380288	20	8 5.7	18.5
39608 1993 TQ_{32}	14.8	X	311.03408	321.01877	40.52718	9.61207	0.0902229	0.28902841	2.2655607	20	9 1.4	17.2
39609 1993 TN_{34}	14.7	X	207.70210	207.62914	58.96743	7.35190	0.1648457	0.30697265	2.1763877	20	—	—
39610 1993 TD_{38}	15.8	X	244.90234	280.12404	163.28182	4.74848	0.1192864	0.28894264	2.2660090	20	9 5.1	18.5
39611 1993 UO_{8}	15.7	X	154.20671	34.27062	148.01182	6.31622	0.1002059	0.28987582	2.2611431	20	10 6.5	18.9
39612 1993 XE_{1}	14.2	X	117.11170	355.97365	75.70794	25.60080	0.1983137	0.27279038	2.3545975	20	4 18.5	18.1
39613 1993 XF_{1}	15.8	X	283.46264	302.21726	83.07316	5.35898	0.1834540	0.28568845	2.2831841	20	7 29.4	18.2
39614 1993 YK	15.0	X	294.74468	15.79934	89.89486	8.20815	0.2080714	0.25487627	2.4636733	20	12 14.7	16.9
39615 1994 AU	15.7	X	98.70877	37.34176	37.62276	2.55969	0.1774296	0.26945123	2.3740103	20	3 14.4	18.4
39616 1994 AA_{4}	15.5	X	33.93037	14.66656	96.72084	5.09697	0.2291375	0.26489671	2.4011447	20	1 3.9	16.7
39617 1994 CZ_{11}	14.6	X	106.47680	311.55202	80.62269	3.24795	0.2183164	0.26322721	2.4112868	20	2 3.2	17.5
39618 1994 LT	15.4	X	148.21461	261.63371	85.25673	23.37813	0.0962364	0.36699644	1.9320935	20	—	—
39619 1994 LC_{3}	14.5	X	249.39869	108.21607	155.10857	9.04587	0.2359556	0.21677212	2.7445245	20	1 8.8	19.3
39620 1994 PE_{2}	14.5	X	277.81941	14.85598	335.40906	5.30832	0.3017483	0.22190726	2.7020188	20	5 8.8	18.7
39621 1994 PU_{4}	14.9	X	69.19863	103.87715	138.26231	2.34824	0.0708909	0.19002457	2.9963753	20	8 30.3	18.9
39622 1994 PJ_{5}	14.6	X	321.20821	351.88612	189.59193	1.41137	0.0342306	0.20947677	2.8078816	20	1 10.2	18.5
39623 1994 PJ_{7}	14.7	X	199.04278	168.27920	151.84765	3.26374	0.0688175	0.21117707	2.7927895	20	2 4.7	18.8
39624 1994 PT_{8}	15.4	X	223.60982	191.20138	150.76869	5.37877	0.0660635	0.21592333	2.7517122	20	3 30.6	19.5
39625 1994 PV_{9}	15.1	X	327.33456	140.70189	197.24206	1.20964	0.1169382	0.18780959	3.0198883	20	8 3.9	18.7
39626 1994 PV_{18}	14.5	X	334.95876	128.93642	308.43069	2.19077	0.0824020	0.19801528	2.9152127	20	12 28.9	18.0
39627 1994 PX_{21}	15.0	X	218.69302	12.70272	330.51001	3.90348	0.0700990	0.21486548	2.7607365	20	3 23.7	19.0
39628 1994 PJ_{24}	14.9	X	244.42177	141.65963	141.38372	5.06009	0.0238574	0.21236499	2.7823650	20	2 12.2	18.6
39629 1994 PG_{26}	14.9	X	261.95445	335.92029	345.41196	6.63663	0.1447303	0.21848535	2.7301583	20	4 4.5	18.9
39630 1994 PQ_{39}	14.1	X	285.65270	331.38933	321.54147	8.18558	0.1388584	0.21858605	2.7293198	20	3 25.9	18.0
39631 1994 SZ_{9}	15.7	X	251.77797	262.20765	27.93552	2.78589	0.0729309	0.21131135	2.7916062	20	2 25.9	19.7
39632 1994 UL	14.1	X	117.12450	316.68787	60.38681	11.55972	0.1765797	0.20260798	2.8709900	20	2 2.2	18.4
39633 1994 WO	14.3	X	28.41160	313.10140	48.58338	7.25708	0.2500155	0.19122885	2.9837821	20	12 31.7	18.3
39634 1994 WM_{2}	13.7	X	259.98990	301.70769	85.13471	18.38117	0.2021409	0.17885182	3.1198986	20	6 19.4	18.5
39635 Kusatao	14.0	X	268.90208	42.44211	52.11237	12.48682	0.0704884	0.18603311	3.0390830	20	10 18.2	18.2
39636 1995 BQ_{2}	13.5	X	202.00085	243.46361	225.86454	25.33785	0.1986269	0.17616461	3.1515456	20	7 27.2	19.3
39637 1995 EG	15.6	X	190.04342	22.35005	163.36981	3.10031	0.0810844	0.29705203	2.2245783	20	11 22.9	18.4
39638 1995 EB_{5}	15.0	X	222.57380	176.64483	143.20387	3.92140	0.1078854	0.23492701	2.6012419	20	2 26.1	18.9
39639 1995 FN_{6}	15.6	X	8.17090	213.82497	150.14735	5.28112	0.1525430	0.29592294	2.2302333	20	12 21.8	18.0
39640 1995 GB_{7}	15.4	X	187.18516	43.67135	122.76648	5.83716	0.0212872	0.29348094	2.2425878	20	11 1.2	18.1
39641 1995 KM_{1}	15.3	X	20.82103	182.57732	117.70053	4.00353	0.2211910	0.28183405	2.3039537	20	10 20.9	17.6
39642 1995 KO_{1}	15.2	X	42.55605	151.74243	119.73777	24.55614	0.1931688	0.28224388	2.3017229	20	10 17.4	18.7
39643 1995 KK_{4}	15.5	X	169.43252	218.62067	207.66895	3.06921	0.1227611	0.27710484	2.3300933	20	5 15.6	18.8
39644 1995 OE_{7}	14.8	X	353.64916	220.64894	28.01038	1.52768	0.0421016	0.18953142	3.0015706	20	5 20.2	18.8
39645 Davelharris	15.7	X	215.53942	80.14089	226.61486	5.66495	0.1357200	0.25983207	2.4322462	20	1 28.7	19.6
39646 1995 SK_{4}	14.3	X	124.55522	234.26559	160.69797	34.36128	0.3063457	0.21528191	2.7571752	20	3 12.3	18.9
39647 1995 SV_{6}	15.8	X	303.46018	25.67004	1.46952	1.13075	0.1127900	0.23614944	2.5922573	20	9 9.3	18.4
39648 1995 SY_{14}	16.4	X	181.25745	354.55779	281.03256	0.85322	0.1007335	0.25221275	2.4809881	20	—	—
39649 1995 SM_{15}	14.8	X	16.87049	358.82951	348.98622	8.85579	0.0587995	0.24088970	2.5581376	20	11 9.2	18.1
39650 1995 SD_{44}	15.2	X	178.70684	245.23231	214.69608	2.23708	0.0546662	0.22798922	2.6537490	20	7 8.3	19.1
39651 1995 SU_{73}	14.4	X	206.79807	184.37824	181.67773	8.86992	0.0791030	0.18400794	3.0613408	20	4 12.0	19.0
39652 1995 TY_{4}	15.8	X	36.13438	39.27724	202.14788	5.76010	0.0909299	0.22896394	2.6462122	20	7 18.2	19.1
39653 Carnera	14.9	X	189.80059	35.20417	10.76767	14.98748	0.0430103	0.22370152	2.6875513	20	5 6.5	18.9
39654 1995 UP	15.4	X	348.84242	95.49313	250.70522	4.06823	0.1932016	0.27624012	2.3349534	20	10 19.3	17.1
39655 Muneharuasada	14.6	X	171.40095	20.81448	8.26309	5.86545	0.1130453	0.21838861	2.7309645	20	3 31.9	18.9
39656 1995 US_{11}	14.7	X	309.82768	313.79576	11.53471	12.22480	0.2790285	0.23172119	2.6251787	20	5 20.1	17.9
39657 1995 UX_{22}	15.7	X	76.15734	217.14053	201.58241	1.37197	0.0653516	0.21191516	2.7863010	20	1 11.7	19.4
39658 1995 UF_{24}	15.3	X	344.86458	33.95714	286.18483	2.03658	0.1535675	0.23196649	2.6233277	20	8 16.2	17.8
39659 1995 UO_{44}	14.2	X	347.73468	347.20704	15.79652	15.77766	0.1322021	0.23657505	2.5891473	20	10 22.7	17.0
39660 1995 UU_{46}	15.0	X	324.75067	118.76414	203.72598	14.07000	0.1813449	0.23152092	2.6266924	20	7 3.2	18.0
39661 1995 UT_{62}	15.5	X	96.68864	228.41831	68.64165	6.81549	0.2213240	0.24368925	2.5385076	20	12 27.4	19.7
39662 1995 VR_{3}	15.0	X	245.29397	355.61446	57.11482	13.38034	0.0262822	0.22943557	2.6425845	20	8 6.3	18.8
39663 1995 WM_{1}	15.1	X	211.28878	5.39250	38.56997	14.23329	0.1492752	0.22356410	2.6886525	20	5 25.8	19.5
39664 1995 WW_{4}	15.5	X	52.53600	252.62970	278.39244	1.27752	0.0496425	0.21890470	2.7266705	20	5 1.1	18.8
39665 1995 WU_{6}	14.9	X	123.26760	280.38833	56.72723	22.31991	0.0986400	0.36732665	1.9309355	20	—	—
39666 1995 WL_{33}	15.0	X	12.68229	151.90350	100.14708	5.22938	0.0481020	0.22586491	2.6703624	20	6 23.0	18.2
39667 1995 YU_{2}	14.7	X	77.47046	138.05394	282.97244	0.83658	0.1019238	0.20648851	2.8349068	20	1 22.3	18.0
39668 1995 YR_{5}	15.4	X	188.26441	263.23361	80.14840	6.39362	0.0721828	0.21461332	2.7628986	20	2 24.3	19.5
39669 1995 YN_{11}	14.6	X	115.85529	120.52680	166.56762	3.23986	0.1026511	0.19328058	2.9626288	20	12 18.2	19.1
39670 1995 YL_{25}	14.5	X	65.09339	327.38978	237.77882	14.00228	0.0911179	0.22398014	2.6853220	20	7 9.1	18.3
39671 1996 AG	14.2	X	353.44948	106.79829	317.00351	6.58655	0.1996038	0.19946978	2.9010239	20	—	—
39672 1996 BF_{1}	14.5	X	259.90290	15.19890	304.91198	3.77475	0.1182125	0.21686213	2.7437649	20	4 3.9	18.5
39673 1996 BN_{3}	13.5	X	301.46769	324.23967	137.36552	11.04119	0.0685203	0.19205198	2.9752504	20	12 10.3	17.5
39674 1996 BA_{5}	14.3	X	265.29347	321.19156	78.23125	5.53516	0.1564918	0.18091713	3.0961091	20	7 18.7	18.8
39675 1996 BL_{15}	14.6	X	162.22844	87.03042	108.23636	8.44994	0.0416335	0.18799762	3.0178743	20	10 20.1	19.1
39676 1996 DQ_{1}	13.7	X	187.89432	120.87371	358.13181	6.25893	0.1691945	0.18126214	3.0921791	20	8 7.6	18.8
39677 Anagaribaldi	13.5	X	234.36374	169.02211	205.69990	9.43090	0.1047086	0.17464112	3.1698476	20	5 19.9	18.4
39678 Ammannito	16.6	X	278.65431	128.21000	170.23387	3.89116	0.1467219	0.28237594	2.3010051	20	3 22.5	19.4
39679 Nukuhiyama	15.3	X	64.50379	81.86317	263.16558	4.79301	0.1586518	0.29992827	2.2103334	20	—	—
39680 1996 PK_{2}	14.2	X	268.80518	203.91941	139.15934	15.23742	0.1466139	0.23956289	2.5675743	20	5 16.8	18.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
39681 1996 PE_3	14.9	X	275.50419	242.59708	146.19340	23.05140	0.2604101	0.28439778	2.2900866	20	7 7.4	18.1
39682 1996 PZ_5	15.4	X	188.50236	269.69064	135.21812	3.82776	0.2269153	0.27663872	2.3327099	20	5 7.8	19.3
39683 1996 PO_6	15.1	X	93.75839	25.65536	338.29367	2.65824	0.1293181	0.30475036	2.1869553	20	—	—
39684 1996 PD_8	14.2	X	227.33987	238.94730	140.13234	2.88732	0.0693585	0.19777456	2.9175777	20	5 20.5	18.6
39685 1996 PO_8	14.9	X	122.55125	125.19499	149.82832	9.87320	0.0856392	0.25794211	2.4441126	20	12 23.4	18.6
39686 Takeshihara	14.0	X	0.77321	170.89522	204.89324	3.91672	0.0831946	0.21104790	2.7939290	20	11 22.5	17.4
39687 1996 RL_3	15.5	X	111.84370	48.47692	86.94772	1.71837	0.0811331	0.27740327	2.3284219	20	6 8.4	18.5
39688 1996 RG_5	14.4	X	289.89651	274.20313	123.80966	8.61353	0.1963793	0.28681118	2.2772218	20	8 30.2	16.3
39689 1996 RK_{11}	16.1	X	46.33900	13.27202	29.76633	1.70304	0.1715780	0.25966968	2.4332602	20	—	—
39690 1996 RJ_{26}	15.9	X	279.81534	148.12834	165.97435	3.88475	0.1548025	0.27828426	2.3235050	20	4 14.3	18.8
39691 1996 RR_{31}	12.6	X	290.83914	278.21015	156.60638	2.35388	0.0890771	0.08232661	5.2333031	20	9 29.9	19.2
39692 1996 RB_{32}	12.4	X	35.13286	171.48826	136.60136	6.88151	0.0539967	0.08391690	5.1669758	20	9 21.9	19.1
39693 1996 ST_1	12.3	X	35.04974	131.69001	203.89985	6.52486	0.0105027	0.08307030	5.2020220	20	10 16.2	19.2
39694 1996 ST_2	16.1	X	70.19002	318.07118	178.58846	5.16787	0.1689988	0.27220579	2.3579675	20	4 27.2	18.6
39695 1996 SJ_6	15.2	X	231.42232	350.72285	17.76917	7.38875	0.1348995	0.27581569	2.3373482	20	5 1.4	18.5
39696 1996 TO_1	15.3	X	254.07541	13.32595	345.17127	3.42247	0.2305974	0.24024591	2.5627056	20	5 3.9	19.2
39697 1996 TH_5	16.0	X	76.34956	52.76953	16.77522	2.63002	0.1843512	0.26455673	2.4032014	20	2 2.5	18.2
39698 1996 TX_7	15.6	X	98.40142	128.73444	147.64365	4.16237	0.1408086	0.29299382	2.2450727	20	12 9.4	18.9
39699 Ernestocorte	15.5	X	223.07690	171.60507	178.02012	2.27958	0.2332315	0.27402398	2.3475256	20	3 26.4	19.4
39700 1996 TO_9	14.6	X	97.92355	84.90507	10.88617	21.97750	0.0834901	0.22875887	2.6477934	20	3 30.1	18.1
39701 1996 TF_{10}	14.4	X	186.05306	36.37454	345.47342	4.55276	0.0998600	0.27255685	2.3559423	20	4 2.2	17.7
39702 1996 TZ_{10}	15.3	X	192.73231	163.17741	180.54295	7.04984	0.3123385	0.27020894	2.3695702	20	2 24.9	19.7
39703 1996 TD_{13}	14.7	X	334.80153	74.72164	15.17245	2.62836	0.2514994	0.25302514	2.4756748	20	—	—
39704 1996 TG_{15}	15.1	X	164.99868	333.13643	65.63834	3.29536	0.2012189	0.27089764	2.3655524	20	4 9.7	18.9
39705 1996 TO_{18}	15.1	X	65.57268	243.54645	31.04127	5.55141	0.1198324	0.28702697	2.2760803	20	10 28.8	17.8
39706 1996 TS_{31}	15.5	X	346.25096	26.87924	63.06279	6.63558	0.1619100	0.25481441	2.4640720	20	—	—
39707 1996 TN_{35}	15.5	X	70.52152	56.25704	98.30543	4.20827	0.0548687	0.27326887	2.3518481	20	5 5.3	18.2
39708 1996 TH_{46}	15.5	X	28.19710	281.16054	299.73580	6.44964	0.0642872	0.27924202	2.3181891	20	6 4.2	18.0
39709 1996 TH_{48}	15.0	X	139.75130	80.98467	294.89175	1.72369	0.1745500	0.26649225	2.3915511	20	2 13.2	18.3
39710 1996 TU_{48}	15.5	X	76.40971	149.93054	260.72707	1.37682	0.1695961	0.26269439	2.4145462	20	1 3.1	17.5
39711 1996 TW_{53}	14.8	X	302.94857	190.33669	180.13995	23.65684	0.2387812	0.28558583	2.2837310	20	7 28.3	17.4
39712 Ehimedaigaku	15.2	X	221.91269	327.44159	54.70601	3.54216	0.1860945	0.27544606	2.3394387	20	5 7.9	18.9
39713 1996 TE_{57}	15.6	X	164.98116	104.23521	233.53795	5.28800	0.1597893	0.26710453	2.3878949	20	1 19.6	19.3
39714 1996 UX_1	15.4	X	93.10333	188.37782	298.03861	5.59788	0.1028796	0.27383062	2.3486306	20	5 1.9	18.3
39715 1996 VT	15.7	X	117.64477	46.02510	224.16029	2.40846	0.1551434	0.29523774	2.2336827	20	12 20.1	19.0
39716 1996 VD_2	14.7	X	271.15895	17.75843	59.18148	9.76233	0.1405975	0.24269000	2.5454708	20	9 29.4	17.8
39717 1996 VE_2	14.8	X	237.00697	43.10797	61.88503	12.77295	0.1455939	0.24121210	2.5558576	20	9 21.9	18.6
39718 1996 VG_3	15.2	X	70.11039	140.82226	228.21110	3.80043	0.2003489	0.25640434	2.4538752	20	—	—
39719 1996 VF_4	15.6	X	107.32859	133.04985	245.88022	1.63608	0.1795160	0.25952989	2.4341339	20	1 11.1	18.6
39720 1996 VG_4	15.3	X	146.81239	320.60455	75.25684	3.10094	0.1746019	0.26544482	2.3978382	20	3 18.9	18.9
39721 1996 VU_7	14.6	X	87.95001	314.16585	67.97650	3.61630	0.1866135	0.25821639	2.4423816	20	—	—
39722 1996 VY_7	15.3	X	59.44994	240.60822	143.34678	3.34439	0.1855438	0.25677000	2.4515450	20	—	—
39723 1996 VJ_8	14.4	X	288.42397	80.88385	343.96476	4.42467	0.1693948	0.24424866	2.5346301	20	9 30.1	16.9
39724 1996 VY_{10}	15.2	X	138.61982	133.14694	270.71009	5.88039	0.1112948	0.26816119	2.3816180	20	3 8.7	18.6
39725 1996 VA_{31}	15.4	X	232.99609	60.53787	32.90533	6.02334	0.1377957	0.23965095	2.5669453	20	8 28.9	19.1
39726 Hideyukitezuka	14.3	X	324.49076	149.21301	250.53858	13.51219	0.1098307	0.24524177	2.5277828	20	11 4.7	17.1
39727 1996 VD_{39}	15.8	X	305.38497	284.33606	314.56984	1.68500	0.1570968	0.26584326	2.3954417	20	2 5.2	18.8
39728 1996 WG	15.3	X	42.00052	237.68078	231.79898	5.39390	0.0297618	0.26218224	2.4176896	20	1 16.3	18.2
39729 1996 XD	15.3	X	112.28663	296.22754	87.42447	3.42366	0.1965116	0.26279192	2.4139487	20	1 26.9	18.3
39730 1996 XP_5	15.4	X	211.40834	327.46306	46.80236	2.97437	0.2228749	0.27034925	2.3687503	20	4 17.4	19.3
39731 1996 XL_{14}	15.4	X	234.91228	8.69275	89.45434	5.13722	0.0391824	0.23656631	2.5892111	20	9 20.2	18.8
39732 1996 XK_{18}	13.8	X	158.10061	269.63269	120.24953	22.72386	0.1183453	0.17825570	3.1268504	20	3 31.3	19.1
39733 1996 XJ_{21}	14.9	X	176.25910	343.81668	120.93374	15.54511	0.0474879	0.22957940	2.6414806	20	7 12.3	18.6
39734 Marchiori	15.6	X	221.01038	323.78301	17.57047	2.55438	0.2291297	0.26971625	2.3724549	20	3 15.4	19.5
39735 1996 YY_1	15.1	X	193.41885	284.07950	97.94428	4.59334	0.2231788	0.22677608	2.6632048	20	4 15.6	19.7
39736 1997 AM	14.8	X	260.26459	344.85527	87.47200	3.76445	0.1125613	0.23680167	2.5874951	20	9 7.2	18.2
39737 1997 AE_1	14.2	X	111.33024	201.87999	301.46347	11.16400	0.1084412	0.22579511	2.6709127	20	6 21.8	18.1
39738 1997 AP_2	15.0	X	256.08907	334.03859	132.79226	4.69792	0.0933557	0.23908242	2.5710131	20	10 21.8	18.2
39739 1997 AQ_2	14.1	X	185.28941	93.68611	317.51646	9.15743	0.1360843	0.22628411	2.6670634	20	5 9.4	18.6
39740 1997 AG_4	14.1	X	79.38592	183.67780	304.91482	12.48271	0.1712068	0.22046711	2.7137730	20	4 25.4	17.9
39741 Komm	15.7	X	120.63594	126.22171	225.68755	6.33910	0.3490402	0.30556035	2.1830887	20	1 8.7	18.5
39742 1997 AQ_7	15.5	X	185.62663	63.61839	322.10307	2.00348	0.1686739	0.27049229	2.3679151	20	4 8.5	19.3
39743 1997 AA_{10}	15.6	X	86.80076	113.77283	203.34845	1.41665	0.1157192	0.24317780	2.5420657	20	—	—
39744 1997 AT_{16}	14.9	X	90.87160	319.03316	80.84612	3.32883	0.1816423	0.25729968	2.4481793	20	1 16.5	17.5
39745 1997 AK_{17}	14.3	X	316.68687	280.26929	93.40027	10.35475	0.2202046	0.23690615	2.5867343	20	9 9.7	16.7
39746 1997 BW	14.8	X	187.49316	306.42823	122.76315	13.68570	0.1546740	0.22842422	2.6503788	20	6 8.6	19.3
39747 1997 BM_1	15.1	X	356.24651	303.86541	325.58861	2.40399	0.0168436	0.22693732	2.6619431	20	6 22.0	18.4
39748 Guccini	15.0	X	105.59965	157.52103	110.54580	10.81040	0.1802644	0.23821949	2.5772182	20	11 29.9	19.3
39749 1997 BW_6	15.0	X	207.05544	341.70952	111.91325	2.61821	0.1359325	0.23264757	2.6182053	20	7 28.4	19.0
39750 1997 CQ_2	15.4	X	225.98600	48.09373	336.93560	1.47725	0.0967598	0.22719906	2.6598983	20	5 22.7	19.2
39751 1997 CX_2	14.1	X	181.01509	39.27043	353.66445	5.83313	0.0430436	0.21933845	2.7230745	20	4 12.5	17.9
39752 1997 CB_5	14.9	X	173.27140	329.29474	71.42307	3.44615	0.2106858	0.22444220	2.6816353	20	4 21.0	19.3
39753 1997 CQ_7	14.7	X	38.12584	143.46968	145.26859	14.48675	0.1827664	0.23276974	2.6172891	20	10 17.2	18.2
39754 1997 CS_{14}	15.3	X	357.82498	254.48421	25.87571	2.99801	0.0899600	0.22726279	2.6594010	20	7 11.7	18.2
39755 1997 CY_{21}	15.1	X	123.32613	8.41056	159.25215	13.43619	0.1068453	0.22664284	2.6642484	20	8 4.3	19.2
39756 1997 EH_{10}	15.4	X	42.05218	306.68682	178.93277	3.71130	0.1291110	0.21246420	2.7814988	20	2 21.6	18.4
39757 1997 EL_{28}	14.9	X	151.86045	23.84411	3.78013	9.42242	0.1906280	0.21355209	2.7720443	20	3 17.5	19.4
39758 1997 EA_{31}	14.7	X	109.45945	306.88043	359.78619	5.02323	0.0917450	0.19637476	2.9314261	20	—	—
39759 1997 EX_{42}	13.8	X	333.04500	352.85021	331.15365	12.86826	0.1769275	0.22826152	2.6516381	20	7 29.8	16.4
39760 1997 EM_{54}	16.0	X	202.65338	270.23780	6.38257	4.33983	0.1163329	0.28785024	2.2717384	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
39761 1997 EN_{55}	14.6	X	205.94833	345.90191	147.30344	17.47988	0.1047434	0.23554321	2.5967033	20	9 22.8	18.5
39762 1997 FE_{1}	14.5	X	187.13653	25.63312	28.84570	5.42716	0.0314000	0.21948198	2.7218873	20	5 18.7	18.4
39763 1997 FD_{3}	14.6	X	217.54109	291.29348	13.48661	3.24516	0.0560471	0.20840614	2.8174900	20	2 7.8	18.8
39764 1997 FK_{3}	14.7	X	186.61237	202.39492	185.51351	12.14907	0.1129597	0.21597299	2.7512903	20	4 16.5	19.0
39765 1997 GE_{2}	15.3	X	227.85442	123.07623	186.62423	12.34196	0.0837890	0.21098382	2.7944946	20	2 19.8	19.7
39766 1997 GP_{7}	14.8	X	337.73390	36.38743	91.65809	4.13076	0.0452430	0.20063339	2.8897964	20	—	—
39767 1997 GD_{12}	14.8	X	10.13149	206.39662	14.92448	6.64786	0.1023619	0.25926541	2.4357890	20	5 4.4	17.2
39768 1997 GB_{13}	14.4	X	315.19804	182.04363	193.72589	9.18719	0.0327540	0.18643750	3.0346867	20	9 9.3	18.5
39769 1997 GD_{14}	14.1	X	15.04370	216.92324	200.15190	25.15986	0.1830207	0.28511303	2.2862550	20	—	—
39770 1997 GJ_{16}	14.8	X	75.01310	13.64581	50.44145	2.54031	0.0552776	0.20677330	2.8323032	20	1 17.5	18.5
39771 1997 GH_{21}	14.4	X	75.16569	242.11175	42.25334	9.71966	0.1210198	0.18607842	3.0385895	20	11 3.9	18.9
39772 1997 GL_{22}	14.3	X	356.05323	310.94408	25.53133	3.34616	0.2240065	0.18056938	3.1000830	20	9 28.3	17.2
39773 1997 GR_{23}	14.3	X	98.49233	265.33531	33.24372	6.66631	0.2105815	0.18849589	3.0125537	20	12 20.6	19.3
39774 1997 GO_{27}	18.4	X	120.67751	139.35935	188.83236	17.89594	0.0709607	0.58159197	1.4214245	20	—	—
39775 1997 GB_{30}	14.2	X	341.95545	159.50111	77.80564	9.12204	0.1156870	0.21472521	2.7619387	20	4 15.5	17.5
39776 1997 GF_{34}	15.0	X	95.15122	343.50043	64.92593	3.12566	0.0068411	0.20659889	2.8338970	20	1 18.0	18.9
39777 1997 HE	14.6	X	184.86900	150.13241	201.11834	7.43256	0.1187707	0.21041132	2.7995613	20	2 27.1	19.1
39778 1997 HA_{9}	14.2	X	326.93124	291.42492	35.22516	11.02749	0.2771675	0.17531559	3.1617123	20	6 29.8	17.6
39779 1997 HE_{9}	14.9	X	100.81397	220.49687	5.20367	3.21696	0.0231084	0.18360560	3.0658114	20	9 10.6	19.1
39780 1997 HR_{10}	15.1	X	229.10696	19.84534	214.41220	1.18832	0.0264878	0.19938165	2.9018787	20	—	—
39781 1997 HS_{13}	13.9	X	37.58639	110.89874	211.16141	12.42251	0.2597619	0.18307518	3.0717302	20	11 25.0	18.2
39782 1997 JR_{15}	14.4	X	175.01767	82.93988	119.05003	2.80233	0.0387281	0.18879466	3.0093745	20	11 8.8	18.7
39783 1997 LB_{1}	13.9	X	344.85048	321.98588	96.81440	15.96429	0.1379875	0.19065907	2.9897238	20	12 22.3	17.4
39784 1997 LB_{2}	14.7	X	190.92526	290.20406	178.69508	14.87819	0.0858149	0.17809799	3.1286961	20	7 27.8	19.7
39785 1997 LV_{10}	14.7	X	236.66714	10.69539	180.45240	2.95843	0.1011291	0.19516968	2.9434804	20	12 28.9	18.7
39786 1997 LV_{17}	14.3	X	37.05463	100.80749	175.72832	5.13770	0.1297748	0.17907432	3.1173137	20	9 6.6	18.4
39787 1997 MM_{3}	15.3	X	125.33031	277.91203	101.88210	24.02122	0.1116376	0.36948876	1.9233953	20	1 4.2	16.6
39788 1997 MQ_{6}	13.8	X	316.77059	277.63711	77.72192	18.61494	0.1828330	0.17689567	3.1428567	20	8 5.8	17.7
39789 1997 OA	12.8	X	344.22678	183.25806	92.52878	23.27666	0.0670927	0.17251828	3.1957979	20	6 12.2	16.9
39790 1997 PF	13.5	X	355.85236	65.97061	231.84765	6.22640	0.1302062	0.17101604	3.2144856	20	7 26.3	17.4
39791 Jameshesser	15.0	X	46.52060	279.26221	150.51207	23.61174	0.1050499	0.36299675	1.9462602	20	—	—
39792 1997 RJ_{4}	16.5	X	332.96814	58.22275	24.23706	4.55787	0.1227939	0.30669441	2.1777038	20	—	—
39793 1997 SZ_{23}	12.6	X	253.38503	95.94438	22.14323	14.98773	0.0647075	0.08325659	5.1942594	20	10 9.2	19.4
39794 1997 SU_{24}	12.2	X	314.32106	30.96796	28.88906	15.49969	0.0294276	0.08394512	5.1658179	20	10 17.9	19.0
39795 1997 SF_{28}	12.5	X	306.34062	79.91490	344.86418	6.73570	0.0961903	0.08408188	5.1602146	20	10 5.1	19.1
39796 1997 TD	15.7	X	263.11005	170.96256	158.94941	12.91718	0.4681637	0.29207461	2.2497806	20	3 18.5	19.9
39797 1997 TK_{18}	12.2	X	197.94602	125.51264	27.22763	14.98042	0.0810911	0.08380394	5.1716178	20	9 23.5	19.4
39798 1997 TW_{28}	12.5	X	323.28320	350.87835	39.40125	8.04979	0.1045657	0.08353944	5.1825284	20	9 22.4	18.9
39799 Hadano	15.1	X	10.10260	140.83979	249.00956	3.79046	0.1938736	0.30568977	2.1824725	20	—	—
39800 1997 UG_{6}	16.8	X	320.54808	308.36496	220.97519	1.61847	0.1558197	0.27153091	2.3618729	20	—	—
39801 1997 UV_{6}	16.7	X	219.52424	60.18831	184.44014	0.53851	0.0792941	0.31421973	2.1427940	20	—	—
39802 Ivanhlinka	15.9	X	320.27467	154.46832	293.81586	1.10568	0.0910508	0.30598164	2.1810844	20	—	—
39803 1997 UY_{15}	12.6	X	296.23827	243.81333	165.25687	0.49820	0.0744595	0.08072917	5.3021139	20	9 8.5	19.2
39804 1997 VP_{5}	15.9	X	282.68033	260.37011	243.54098	5.48191	0.0651533	0.30537383	2.1839776	20	—	—
39805 1997 WG_{2}	15.8	X	170.22741	253.26608	223.01525	1.00666	0.1056996	0.28743428	2.2739296	20	7 23.2	18.9
39806 1997 WX_{2}	15.5	X	249.83348	43.32937	56.98453	5.29019	0.0317092	0.29617229	2.2289813	20	10 24.3	18.0
39807 1997 WY_{19}	15.4	X	139.97303	139.19688	83.28555	8.71814	0.1182430	0.29342821	2.2428564	20	11 13.3	18.7
39808 1997 WQ_{25}	15.6	X	270.78319	158.66434	243.87368	2.04388	0.1864841	0.29315802	2.2442343	20	8 2.0	17.9
39809 Fukuchan	16.2	X	314.35192	278.58214	85.37282	5.40979	0.2200675	0.29601783	2.2297567	20	8 29.1	17.4
39810 1997 WQ_{35}	14.0	X	67.91449	118.02330	63.10730	22.69790	0.2705437	0.28150529	2.3057471	20	7 15.8	17.3
39811 1997 WJ_{38}	15.5	X	57.57161	298.15534	65.33325	6.39610	0.1838913	0.30811794	2.1709912	20	—	—
39812 1997 WE_{44}	15.8	X	219.75901	344.63869	87.39321	5.23603	0.1114244	0.28937878	2.2637315	20	7 19.5	18.9
39813 1997 XV_{4}	14.9	X	273.16309	318.32329	128.54258	2.25887	0.0907976	0.29212529	2.2495204	20	10 31.2	17.0
39814 1997 XF_{8}	14.6	X	190.13827	185.32902	297.15741	7.01119	0.1978913	0.24335165	2.5408548	20	8 13.4	18.8
39815 1997 XU_{9}	15.3	X	249.20922	282.88117	50.09974	5.19702	0.2537907	0.28565786	2.2833471	20	3 27.5	19.0
39816 1997 XE_{11}	14.6	X	172.65494	260.31129	177.94981	8.52786	0.2150730	0.27891835	2.3199823	20	6 5.7	18.6
39817 1997 YN	15.5	X	73.06164	17.47688	251.39834	3.39574	0.1508140	0.29233595	2.2484396	20	11 3.1	18.6
39818 1997 YR_{4}	15.3	X	256.02874	292.62563	109.29465	4.07294	0.1436650	0.28764391	2.2728246	20	7 18.0	18.1
39819 1997 YE_{10}	14.1	X	157.32091	158.14511	305.28137	12.61153	0.1028555	0.23819722	2.5773788	20	6 20.7	18.0
39820 1997 YV_{17}	16.5	X	133.60962	118.87588	322.36207	3.06860	0.1259568	0.27727274	2.3291525	20	4 24.7	19.7
39821 1998 AH_{7}	15.4	X	276.07587	318.94911	80.25864	4.26809	0.1502538	0.29095280	2.2555599	20	8 14.7	17.7
39822 1998 BO	14.6	X	170.45946	110.57011	85.73197	6.11549	0.0964886	0.29244611	2.2478750	20	11 12.2	17.6
39823 1998 BV	14.4	X	121.99241	345.85929	133.35584	5.67707	0.1642827	0.27817421	2.3241178	20	6 8.6	17.8
39824 1998 BQ_{1}	15.0	X	84.30318	66.39870	117.45376	4.86118	0.1613516	0.23495401	2.6010427	20	7 20.2	18.3
39825 1998 BP_{2}	14.9	X	12.41587	292.27774	142.94866	3.71537	0.1414199	0.30605492	2.1807362	20	—	—
39826 1998 BY_{2}	14.8	X	226.49230	102.49818	3.89434	2.91455	0.1020765	0.29043045	2.2582635	20	9 16.2	17.7
39827 1998 BA_{3}	15.3	X	31.58609	64.35656	237.73276	1.45714	0.1300520	0.28924808	2.2644135	20	10 23.6	17.8
39828 1998 BH_{4}	15.3	X	24.04763	205.20463	333.75155	2.23718	0.2197457	0.27117916	2.3639149	20	3 30.8	16.8
39829 1998 BS_{4}	15.7	X	354.98861	27.66046	283.92867	5.86004	0.1333441	0.28722070	2.2750567	20	8 30.5	17.7
39830 1998 BS_{6}	14.9	X	57.06409	154.01252	144.27603	3.95276	0.1350514	0.29205776	2.2498672	20	11 23.7	17.9
39831 1998 BU_{6}	14.7	X	240.10719	309.64957	122.64651	6.57720	0.1048908	0.28777345	2.2721425	20	8 16.4	17.5
39832 1998 BJ_{9}	15.0	X	53.37634	217.21272	293.96035	6.41955	0.0634415	0.27290669	2.3539285	20	3 29.9	17.8
39833 1998 BS_{10}	15.6	X	289.37973	265.39455	125.06609	7.26682	0.2252136	0.28924120	2.2644494	20	8 9.6	17.3
39834 1998 BW_{10}	13.1	X	31.69998	260.83081	301.22707	9.76213	0.0393191	0.19043862	2.9920306	20	5 10.2	17.3
39835 1998 BQ_{13}	15.4	X	279.23597	51.17785	34.32219	1.36503	0.1462073	0.29543474	2.2326895	20	11 1.3	17.2
39836 1998 BJ_{17}	15.7	X	214.15254	109.60573	129.18815	5.25647	0.0389097	0.25791066	2.4443113	20	—	—
39837 1998 BH_{18}	16.1	X	259.19968	53.98266	343.50683	6.36547	0.2299161	0.24201981	2.5501679	20	7 1.5	19.8
39838 1998 BK_{19}	15.1	X	103.11190	61.79632	135.62939	6.67252	0.0383642	0.28497645	2.2869854	20	8 20.5	17.7
39839 1998 BM_{19}	16.4	X	17.55021	247.51914	324.46778	0.24296	0.1641773	0.27468956	2.3437320	20	5 8.2	18.2
39840 1998 BJ_{24}	16.2	X	94.58546	346.43882	124.50923	2.82540	0.1054700	0.27426300	2.3461615	20	4 16.2	19.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
39841 1998 BU_{24}	15.5	X	324.24434	30.51614	65.40314	3.38762	0.1565855	0.25651224	2.4531870	20	—	—
39842 1998 BV_{25}	14.8	X	170.31714	10.94726	140.30049	7.19451	0.0509739	0.28748937	2.2736390	20	9 14.1	17.7
39843 1998 BB_{26}	14.4	X	300.91657	281.70055	65.07022	8.38521	0.1384405	0.28344188	2.2952326	20	7 7.2	16.7
39844 1998 BA_{30}	15.5	X	54.51439	7.42351	313.09106	4.35616	0.2156799	0.29521045	2.2338203	20	12 28.5	18.7
39845 1998 BT_{35}	14.3	X	277.07917	46.47377	348.99263	5.25573	0.1629142	0.28729874	2.2746447	20	8 7.6	16.7
39846 1998 BB_{37}	14.5	X	4.53628	0.77012	308.42100	3.22385	0.1960841	0.28689003	2.2768045	20	9 26.4	16.4
39847 1998 BU_{42}	15.4	X	159.38495	232.48492	185.92974	1.01381	0.1871534	0.23503594	2.6004382	20	4 28.9	19.7
39848 1998 BW_{44}	15.5	X	96.98985	138.98837	117.80851	7.76341	0.0962777	0.29237799	2.2482241	20	11 12.2	18.7
39849 Giampieri	15.2	X	254.70917	64.93664	304.45586	6.33512	0.0849901	0.28019705	2.3129186	20	6 7.2	18.2
39850 1998 CG_{3}	14.7	X	39.93928	205.47593	152.83692	5.10750	0.1543816	0.29638036	2.2279380	20	—	—
39851 1998 CU_{3}	15.5	X	21.59433	118.73645	27.53414	1.65174	0.1274875	0.26726853	2.3869180	20	2 3.7	17.5
39852 1998 CV_{3}	15.3	X	104.74655	314.21071	157.45560	6.92710	0.0503647	0.27341350	2.3510187	20	4 23.8	18.2
39853 1998 CA_{4}	15.6	X	22.18526	36.86058	120.25166	3.05998	0.1435127	0.26831672	2.3806976	20	2 20.8	17.7
39854 Gabriopiola	15.5	X	73.20190	52.39544	131.35195	5.19776	0.0434950	0.27814855	2.3242608	20	6 18.2	18.3
39855 1998 DG_{3}	14.7	X	316.60527	102.27185	340.48845	10.06150	0.2642053	0.25692251	2.4505747	20	—	—
39856 1998 DV_{4}	15.4	X	224.51674	283.50224	142.34892	0.58266	0.1271840	0.28457073	2.2891587	20	7 13.9	18.4
39857 1998 DA_{5}	15.5	X	76.70205	46.72462	130.80328	4.37257	0.1239747	0.27768756	2.3268324	20	6 27.5	18.3
39858 1998 DG_{6}	14.3	X	42.41334	306.44376	348.74545	11.63430	0.1542956	0.24248198	2.5469264	20	10 19.2	17.7
39859 1998 DC_{7}	15.5	X	4.50630	2.14013	197.91621	4.89296	0.1703885	0.27136112	2.3628581	20	3 17.5	17.4
39860 Aiguoxiang	16.2	X	126.77609	359.79474	123.33468	6.04049	0.0929559	0.27894780	2.3198189	20	6 12.0	19.3
39861 1998 DO_{8}	15.4	X	141.86201	7.13074	306.92451	5.51524	0.1003436	0.25709940	2.4494506	20	—	—
39862 1998 DX_{10}	15.8	X	254.70596	25.44157	358.67981	7.71217	0.1331999	0.28495903	2.2870787	20	6 21.8	18.8
39863 1998 DL_{15}	14.2	X	205.33743	65.05279	11.68128	7.08877	0.0956148	0.28166829	2.3048575	20	7 10.7	17.5
39864 Poggiali	14.0	X	222.50910	283.92575	110.74435	11.23382	0.0933566	0.19150991	2.9808621	20	6 2.9	18.6
39865 1998 DB_{22}	15.3	X	256.26661	331.80020	122.86271	3.15868	0.0292608	0.20150988	2.8814107	20	10 8.2	19.2
39866 1998 DB_{24}	14.7	X	305.16172	299.29122	314.00641	17.21394	0.0555500	0.35857566	1.9622252	20	2 22.9	16.7
39867 1998 DG_{24}	16.1	X	299.66290	118.47656	143.42888	5.69423	0.1825095	0.26903286	2.3764709	20	2 24.8	19.1
39868 1998 DM_{27}	15.8	X	4.57030	312.23825	154.95636	6.68879	0.0839119	0.26051678	2.4279827	20	—	—
39869 1998 DV_{27}	14.8	X	90.47336	327.38436	88.48721	2.37046	0.1644760	0.26467772	2.4024690	20	2 3.1	17.3
39870 1998 DX_{27}	16.0	X	212.29427	144.15207	210.23173	5.71048	0.1560613	0.27536866	2.3398770	20	3 23.9	19.6
39871 1998 DB_{33}	14.1	X	123.28207	92.54789	75.74039	8.30705	0.1372943	0.23888316	2.5724426	20	8 12.6	18.1
39872 1998 DW_{33}	15.3	X	358.65748	13.13442	141.80159	1.97224	0.1116490	0.26443216	2.4039561	20	1 7.2	17.8
39873 1998 DC_{34}	15.6	X	312.64999	242.61154	5.45043	2.57034	0.1260285	0.26834643	2.3805218	20	3 3.6	18.2
39874 1998 DC_{35}	14.2	X	107.83969	1.20106	156.12998	4.83019	0.0713881	0.27775846	2.3264364	20	7 2.8	17.2
39875 1998 DS_{35}	14.7	X	189.38643	308.25838	150.09731	7.22835	0.0962339	0.28348932	2.2949765	20	7 19.9	18.1
39876 1998 DB_{38}	15.3	X	22.39349	316.92700	206.61252	2.17954	0.1058514	0.26926885	2.3750822	20	2 29.6	17.7
39877 1998 EQ_{6}	15.6	X	279.02154	331.64266	319.74217	1.82149	0.2046392	0.26860926	2.3789687	20	3 6.5	19.0
39878 1998 EH_{8}	16.0	X	343.97215	107.26461	352.54720	1.64604	0.1779924	0.25754312	2.4466363	20	—	—
39879 1998 EK_{8}	14.1	X	355.50750	303.50188	276.28317	5.81576	0.0674758	0.27197182	2.3593196	20	4 4.2	16.7
39880 Dobšinský	15.4	X	163.76333	344.64320	118.44300	5.26663	0.0933339	0.28100584	2.3084784	20	6 27.5	18.7
39881 1998 EK_{11}	14.9	X	344.50363	165.25125	92.18327	3.85603	0.1880271	0.27257260	2.3558515	20	5 6.0	16.6
39882 Edgarmitchell	15.0	X	75.39593	85.93338	45.39534	5.37380	0.0147158	0.27096651	2.3651516	20	4 3.5	17.8
39883 1998 ER_{11}	15.8	X	272.21034	146.80284	81.98763	3.90498	0.1257698	0.26114231	2.4241039	20	—	—
39884 1998 ET_{11}	14.3	X	21.75374	288.28384	23.61764	7.40194	0.2084337	0.28426275	2.2908118	20	11 3.1	16.8
39885 1998 EG_{12}	14.7	X	342.44454	266.15894	102.62437	6.70399	0.1277112	0.28910500	2.2651605	20	11 11.1	16.8
39886 1998 EL_{12}	13.2	X	23.58735	121.68669	139.66409	11.03585	0.0816716	0.19027525	2.9937430	20	7 22.9	17.0
39887 1998 ED_{13}	14.4	X	297.97858	345.32067	52.10670	3.48829	0.1613057	0.28780001	2.2720027	20	9 21.1	16.1
39888 1998 ES_{20}	15.4	X	237.20324	245.55068	16.07178	2.60101	0.1406130	0.26164455	2.4210007	20	—	—
39889 1998 FG	15.1	X	31.29911	223.87234	248.74732	7.26622	0.0505562	0.26337127	2.4104074	20	1 4.9	17.8
39890 Bobstephens	15.8	X	77.94018	95.63494	161.69696	5.49614	0.2173164	0.23640787	2.5903678	20	10 25.0	19.8
39891 1998 FB_{5}	15.4	X	106.75292	275.97606	195.94782	22.37702	0.0939885	0.36012432	1.9565957	20	4 29.1	17.4
39892 1998 FQ_{5}	15.1	X	229.83148	234.79899	41.08282	11.31550	0.2104646	0.25819764	2.4424998	20	1 5.8	19.4
39893 1998 FS_{5}	15.8	X	71.86528	248.85182	53.37481	3.45444	0.2806757	0.24042341	2.5614441	20	12 16.9	20.1
39894 1998 FO_{13}	15.1	X	77.98207	102.66543	55.12956	5.93344	0.0907325	0.27513335	2.3412110	20	5 25.4	17.8
39895 1998 FK_{15}	15.4	X	354.47892	15.50288	170.96213	5.70799	0.1561124	0.26604263	2.3942448	20	2 7.1	17.8
39896 1998 FB_{16}	14.4	X	25.65725	295.41509	192.00736	6.20691	0.1711531	0.26225936	2.4172156	20	1 11.7	16.7
39897 1998 FL_{23}	15.8	X	58.23072	111.74600	7.49987	6.08259	0.2026582	0.26927766	2.3750304	20	3 15.3	17.7
39898 1998 FQ_{23}	16.0	X	337.19396	48.76585	80.64405	2.44663	0.1358267	0.25963261	2.4334918	20	—	—
39899 1998 FP_{26}	14.3	X	307.51484	4.51194	5.02594	7.77264	0.1854847	0.28539437	2.2847522	20	8 23.6	16.0
39900 1998 FW_{26}	15.7	X	357.72644	27.24444	141.65621	3.10405	0.1096924	0.26576923	2.3958866	20	1 25.3	18.1
39901 1998 FW_{27}	15.8	X	115.64983	195.39705	265.88197	1.39903	0.1621592	0.27388415	2.3483246	20	5 6.6	19.0
39902 1998 FG_{30}	15.0	X	263.87611	332.77877	331.08050	4.36783	0.2365886	0.26773489	2.3841454	20	3 4.0	18.6
39903 1998 FL_{30}	14.9	X	269.32162	36.41057	216.80828	2.22013	0.1418662	0.26310356	2.4120422	20	1 15.5	18.4
39904 1998 FX_{30}	15.6	X	72.83381	108.96916	7.25158	6.13340	0.1418380	0.26987669	2.3715146	20	3 26.6	18.0
39905 1998 FZ_{30}	15.1	X	68.57566	346.01424	65.40112	2.02123	0.1622472	0.26184760	2.4197490	20	—	—
39906 1998 FE_{32}	15.8	X	356.29069	321.32597	198.42733	6.66329	0.1523494	0.26432133	2.4046280	20	1 3.7	18.3
39907 1998 FO_{33}	15.6	X	304.03477	87.20000	157.30212	6.35273	0.0859346	0.26684690	2.3894316	20	2 21.4	18.3
39908 1998 FW_{34}	14.6	X	210.80927	215.26070	195.06422	3.21327	0.0743737	0.27735014	2.3287192	20	6 10.6	17.6
39909 1998 FM_{36}	14.9	X	29.92041	183.29588	20.05365	4.31015	0.0686973	0.27284761	2.3542682	20	5 11.3	17.3
39910 1998 FJ_{37}	13.4	X	262.28352	352.64598	353.87712	15.07106	0.1365331	0.23214199	2.6220054	20	5 3.4	17.4
39911 1998 FD_{38}	14.8	X	219.50720	61.78630	346.78105	7.47663	0.1064428	0.27941880	2.3172113	20	6 15.4	18.2
39912 1998 FN_{40}	14.9	X	274.43231	62.60566	305.74434	2.98362	0.1192267	0.27959546	2.3162351	20	6 28.9	17.7
39913 1998 FV_{40}	15.5	X	303.48085	179.57057	53.43201	1.99246	0.1406830	0.26482229	2.4015945	20	1 29.3	18.6
39914 1998 FN_{41}	15.3	X	287.32243	293.89441	357.24665	2.47238	0.2189304	0.26826318	2.3810143	20	3 14.1	18.4
39915 1998 FY_{42}	15.1	X	347.22618	276.66606	244.41426	0.86515	0.1175059	0.26296489	2.4128901	20	—	—
39916 1998 FH_{47}	15.3	X	153.41453	143.83781	283.63272	1.11382	0.1280323	0.27313588	2.3526115	20	4 29.6	18.8
39917 1998 FV_{48}	15.4	X	354.16589	271.19974	193.67681	7.14154	0.1052843	0.25759792	2.4462893	20	—	—
39918 1998 FS_{49}	14.9	X	286.70307	212.90477	1.00145	2.64730	0.1222288	0.26052855	2.4279095	20	—	—
39919 1998 FP_{51}	15.8	X	287.67118	242.77308	55.05069	3.35277	0.1668502	0.26967505	2.3726966	20	4 1.1	18.7
39920 1998 FW_{53}	15.5	X	267.94475	337.89234	274.25473	2.32900	0.1256222	0.26197214	2.4189820	20	1 14.7	18.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
39921 1998 FO_{54}	15.4	X	57.48553	108.82199	339.55772	1.61819	0.2485095	0.26534015	2.3984688	20	1 31.5	17.0
39922 1998 FJ_{57}	13.7	X	244.44831	8.41343	8.55357	16.01687	0.1142633	0.23161863	2.6259537	20	5 27.2	17.8
39923 1998 FT_{57}	14.9	X	258.65935	105.01965	208.51177	7.12099	0.1302976	0.26805919	2.3822221	20	3 20.4	18.4
39924 1998 FL_{60}	15.3	X	271.22352	130.72152	173.73736	6.63889	0.2695421	0.26619802	2.3933130	20	3 8.8	19.1
39925 1998 FP_{60}	15.5	X	316.74159	134.29578	18.84243	4.31508	0.1744376	0.25804894	2.4434380	20	—	—
39926 1998 FF_{64}	15.1	X	57.31374	9.28597	35.36004	7.07154	0.0809527	0.25635742	2.4541746	20	—	—
39927 1998 FM_{68}	14.9	X	249.75139	42.69474	205.91127	5.67708	0.1061385	0.25871977	2.4392125	20	—	—
39928 1998 FR_{70}	15.1	X	30.01947	115.30339	22.54454	6.88616	0.1443750	0.26502951	2.4003426	20	2 10.8	17.4
39929 1998 FZ_{71}	15.2	X	290.80809	316.05540	323.59477	2.00809	0.1774325	0.26722725	2.3871638	20	3 8.3	18.4
39930 Kalauch	16.3	X	8.90246	56.84270	100.50658	1.59831	0.1516902	0.26636935	2.3922866	20	1 24.4	18.3
39931 1998 FP_{75}	15.4	X	164.39395	266.68875	45.68653	3.66815	0.1193099	0.25505294	2.4625355	20	—	—
39932 1998 FQ_{75}	15.3	X	198.92965	308.81787	49.13963	7.22684	0.1320384	0.26715796	2.3875765	20	3 21.0	19.0
39933 1998 FN_{76}	14.5	X	56.01040	273.37701	127.71695	5.57756	0.1153822	0.25573227	2.4581725	20	—	—
39934 1998 FP_{79}	14.1	X	130.52709	289.46210	58.93539	6.80531	0.1065086	0.25579750	2.4577546	20	—	—
39935 1998 FR_{85}	14.4	X	17.02844	12.38385	154.77867	13.30539	0.0936665	0.22387745	2.6861431	20	3 5.3	17.3
39936 1998 FZ_{85}	15.3	X	23.50744	156.15039	131.16521	7.36981	0.1640381	0.28148176	2.3058756	20	9 26.9	17.7
39937 1998 FW_{98}	14.6	X	16.09638	281.21212	244.60228	6.09484	0.0575789	0.26696607	2.3887205	20	2 21.0	17.3
39938 1998 FF_{99}	15.1	X	219.94008	22.52077	218.99949	11.59805	0.1484239	0.25506588	2.4624522	20	—	—
39939 1998 FQ_{99}	14.8	X	108.66322	113.32089	237.07919	4.84829	0.0908386	0.25636761	2.4541095	20	—	—
39940 1998 FR_{99}	15.2	X	198.88250	0.32596	228.01332	5.05470	0.0288873	0.25235889	2.4800303	20	—	—
39941 1998 FX_{101}	13.4	X	35.42193	106.77198	329.48770	7.22201	0.0795833	0.21439424	2.7647804	20	—	—
39942 1998 FH_{104}	14.8	X	213.80994	33.85936	279.60346	6.46884	0.1002345	0.26307141	2.4122387	20	2 4.3	18.4
39943 1998 FO_{109}	14.7	X	173.50936	79.89249	307.66593	5.85321	0.1382031	0.26860031	2.3790215	20	3 27.4	18.4
39944 1998 FO_{110}	14.6	X	154.14935	5.47324	231.57044	13.92209	0.1351018	0.24571140	2.5245609	20	12 4.8	18.6
39945 1998 FT_{110}	14.8	X	324.25836	87.28430	231.00584	10.48685	0.2064827	0.23101658	2.6305140	20	6 23.6	17.4
39946 1998 FP_{111}	14.3	X	68.92331	285.75747	213.12144	21.84404	0.2723896	0.27068963	2.3667641	20	5 16.4	17.0
39947 1998 FZ_{112}	15.0	X	197.06652	271.20823	224.05865	13.38971	0.1416526	0.24039407	2.5616525	20	9 4.7	19.2
39948 1998 FP_{113}	14.2	X	212.76273	339.92218	324.13201	6.98746	0.1379240	0.26029165	2.4293825	20	1 25.5	17.9
39949 1998 FG_{115}	14.4	X	41.24468	225.09767	251.80008	5.82066	0.0752814	0.26240872	2.4162982	20	1 25.9	17.1
39950 1998 FB_{116}	13.5	X	315.62632	123.24486	242.11635	12.98521	0.1900691	0.23509722	2.5999862	20	8 14.5	16.4
39951 1998 FN_{116}	14.6	X	208.55948	125.98177	230.37409	5.05972	0.1421726	0.26779215	2.3838055	20	3 22.9	18.2
39952 1998 FM_{117}	14.8	X	298.91238	247.58620	0.38895	13.28495	0.1770490	0.21905300	2.7254397	20	2 17.0	18.7
39953 1998 FJ_{118}	15.1	X	329.09240	274.81978	233.20553	5.71076	0.1493603	0.25819673	2.4425056	20	—	—
39954 1998 FN_{118}	14.2	X	169.73481	139.74989	206.04083	22.04338	0.0420314	0.26148853	2.4219637	20	1 21.1	18.1
39955 1998 FV_{118}	14.9	X	6.94121	228.93516	250.08615	4.04251	0.0615006	0.25871501	2.4392424	20	—	—
39956 1998 FK_{120}	15.7	X	198.33422	295.48531	2.64449	5.76375	0.1202751	0.26142315	2.4223674	20	1 3.7	19.4
39957 1998 FG_{121}	15.6	X	250.50225	288.60436	340.25164	3.79019	0.2079553	0.26073278	2.4266415	20	1 13.9	19.5
39958 1998 FB_{122}	15.2	X	288.65323	191.66848	79.20363	3.29028	0.1899983	0.26547195	2.3976749	20	2 23.8	18.4
39959 1998 FH_{122}	15.3	X	251.55381	18.77640	209.06837	5.98070	0.0478170	0.25716939	2.4490061	20	—	—
39960 1998 FU_{122}	15.4	X	239.04379	106.57560	179.60383	7.40152	0.2302274	0.26014373	2.4303033	20	1 22.2	19.6
39961 1998 FH_{123}	15.8	X	93.98890	299.61678	283.42701	1.83012	0.2548017	0.23573110	2.5953233	20	9 28.2	19.9
39962 1998 FX_{123}	15.0	X	126.30404	49.86479	1.94134	22.47614	0.2833452	0.27177082	2.3604828	20	3 26.2	18.6
39963 1998 FQ_{132}	15.4	X	57.68429	197.70962	250.23145	2.07496	0.1828608	0.26562572	2.3967494	20	1 21.9	17.5
39964 1998 FP_{136}	15.6	X	2.21593	168.31112	342.43160	6.01839	0.0665100	0.26346999	2.4098053	20	1 13.9	18.3
39965 1998 FK_{137}	15.3	X	52.68638	102.95162	192.38855	16.93853	0.3108130	0.23787358	2.5797161	20	11 26.5	19.5
39966 1998 FB_{141}	15.9	X	111.79009	37.49459	215.76188	3.96328	0.2392551	0.24226111	2.5484743	20	11 18.7	20.1
39967 1998 GE	14.3	X	101.10257	113.99970	27.34531	30.59556	0.3004924	0.23171460	2.6252285	20	6 26.8	19.2
39968 1998 GG_{3}	15.0	X	278.71338	149.53690	111.01749	11.61220	0.2292810	0.26375507	2.4080685	20	1 26.5	18.7
39969 1998 GT_{8}	13.1	X	187.15896	255.34509	69.13069	21.30625	0.0532538	0.26106623	2.4245748	20	1 23.5	16.8
39970 1998 GM_{9}	14.9	X	308.19111	107.79156	68.37054	19.95074	0.0680399	0.25786873	2.4445763	20	—	—
39971 József	15.5	X	116.78299	64.82736	206.15915	8.40726	0.2470510	0.24296993	2.5435154	20	12 13.3	20.0
39972 1998 HT	15.0	X	315.94296	183.15099	140.52018	4.80311	0.2049310	0.22928050	2.6437759	20	6 15.9	17.8
39973 1998 HX	13.7	X	264.14451	194.15894	113.12842	4.33244	0.1013755	0.26655274	2.3911893	20	3 25.9	16.9
39974 1998 HO_{3}	14.7	X	38.01910	85.87921	190.81315	14.76487	0.1327689	0.23443615	2.6048717	20	9 15.9	18.0
39975 1998 HY_{6}	14.7	X	14.84684	134.57609	52.68335	5.83234	0.1169745	0.26843042	2.3800253	20	3 26.2	16.9
39976 1998 HV_{8}	15.2	X	324.34581	69.06146	94.00626	4.49440	0.0466017	0.25792274	2.4442350	20	—	—
39977 1998 HR_{9}	14.0	X	346.80359	242.78850	87.99856	14.57476	0.2410611	0.23131525	2.6282492	20	9 21.8	16.5
39978 1998 HB_{11}	14.3	X	68.15799	258.77562	41.05427	17.75141	0.2095243	0.24000916	2.5643906	20	12 1.5	18.4
39979 1998 HT_{12}	14.0	X	88.45984	28.95625	71.32052	24.84956	0.2212733	0.26892986	2.3770776	20	4 23.6	17.5
39980 1998 HT_{13}	15.2	X	90.83430	312.17760	340.52299	6.11980	0.1178856	0.24437628	2.5337476	20	12 10.3	19.0
39981 1998 HT_{14}	15.8	X	215.03767	189.41718	140.60876	3.04869	0.1812756	0.26404384	2.4063125	20	2 26.9	19.7
39982 1998 HD_{16}	14.9	X	203.18259	323.02521	107.73809	5.61764	0.3142897	0.23437803	2.6053022	20	6 17.0	19.7
39983 1998 HX_{16}	15.3	X	47.77172	244.80850	237.31709	5.94526	0.0760586	0.26567834	2.3964330	20	2 11.3	17.9
39984 1998 HQ_{18}	15.4	X	242.72232	36.25126	223.62751	4.79168	0.0601703	0.25979961	2.4324489	20	1 1.8	18.9
39985 1998 HT_{23}	15.3	X	57.75150	312.62361	3.44701	12.70445	0.1888461	0.24253783	2.5465355	20	12 10.7	19.3
39986 1998 HJ_{32}	14.1	X	21.73954	159.35422	203.69934	13.00824	0.1962143	0.24481279	2.5307348	20	12 29.9	17.6
39987 1998 HJ_{33}	15.6	X	254.45352	253.08211	328.44670	1.78392	0.1373880	0.25615874	2.4554434	20	—	—
39988 1998 HO_{33}	14.1	X	334.20829	116.59162	211.02567	23.45498	0.1930159	0.27744625	2.3281813	20	8 1.6	16.7
39989 1998 HP_{35}	14.3	X	344.18373	207.61770	177.39375	9.47126	0.0898224	0.24385567	2.5373525	20	11 20.2	17.3
39990 1998 HT_{36}	15.2	X	218.62246	242.21629	26.63606	8.88334	0.0597394	0.25731017	2.4481127	20	—	—
39991 Iochroma	14.5	X	40.44285	98.36404	334.01714	3.42443	0.1627922	0.25798813	2.4438219	20	—	—
39992 1998 HB_{38}	15.1	X	89.48636	333.99148	294.07064	2.48502	0.2332156	0.23933958	2.5691711	20	11 16.8	19.4
39993 1998 HQ_{41}	15.5	X	350.98461	313.43879	52.06375	3.53348	0.1426451	0.24253581	2.5465496	20	11 7.3	17.8
39994 1998 HA_{48}	15.1	X	63.41581	158.15134	164.11746	5.78174	0.1479415	0.24341200	2.5404348	20	12 21.6	18.8
39995 1998 HC_{51}	14.6	X	332.63235	97.19850	218.65042	13.55850	0.0884566	0.23091405	2.6312926	20	7 15.3	18.0
39996 1998 HB_{53}	15.5	X	115.18962	255.64407	339.05753	3.97913	0.1331888	0.24001009	2.5643839	20	10 23.4	19.5
39997 1998 HE_{76}	15.1	X	182.10520	54.30532	141.93056	2.41594	0.1666809	0.19999922	2.8959019	20	11 3.8	19.8
39998 1998 HS_{78}	15.4	X	263.58861	345.29168	239.51716	4.81999	0.0568728	0.25693068	2.4505227	20	—	—
39999 1998 HL_{84}	15.4	X	226.63391	118.78206	179.50229	6.15274	0.1328325	0.25961719	2.4335882	20	1 29.4	19.3
40000 1998 HZ_{87}	14.9	X	347.33631	118.79553	229.43215	13.76016	0.1317292	0.23629501	2.5911925	20	9 29.0	17.8