Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
96001 2004 NY_{22}	16.5	X	148.46690	148.59114	175.11775	4.69453	0.2044407	0.25644370	2.4536241	21	—	—
96002 2004 ND_{23}	16.5	X	320.48785	125.94087	160.68388	5.78042	0.1019544	0.28060183	2.3106937	21	4 29.9	19.0
96003 2004 NT_{24}	16.5	X	22.29990	196.05091	154.26627	7.23948	0.1687529	0.29670719	2.2263016	21	12 12.1	19.0
96004 2004 NH_{25}	14.8	X	288.55865	229.38789	152.47347	15.57236	0.2210690	0.22399507	2.6852027	21	7 7.5	18.5
96005 2004 NZ_{26}	16.0	X	174.76897	211.90112	143.53790	7.30027	0.1356338	0.26680377	2.3896891	21	2 9.8	19.5
96006 2004 NE_{27}	17.5	X	313.53598	144.91045	163.61797	1.72224	0.2819381	0.28421869	2.2910486	21	4 17.8	19.9
96007 2004 ON_{3}	16.1	X	180.63274	215.15804	119.19683	3.21627	0.2256337	0.26416610	2.4055700	21	1 27.1	19.8
96008 2004 OA_{5}	14.7	X	3.04137	310.00023	320.61458	7.23118	0.2222834	0.17151402	3.2082606	21	6 24.6	18.0
96009 2004 OB_{6}	15.8	X	169.50739	32.92187	328.21293	9.26735	0.2946351	0.26580799	2.3956537	21	2 22.5	20.0
96010 2004 PY_{2}	16.2	X	167.54423	117.72684	323.09734	13.75924	0.0256740	0.28069122	2.3102031	21	5 11.3	19.5
96011 2004 PD_{6}	16.3	X	244.05953	211.32445	170.30694	9.57033	0.2896496	0.27881088	2.3205784	21	5 13.8	20.3
96012 2004 PP_{6}	17.1	X	343.55513	225.39059	146.73628	6.62773	0.1947959	0.29454228	2.2371973	21	11 6.8	18.6
96013 2004 PB_{7}	16.5	X	228.41637	93.10909	249.90277	1.34414	0.2033316	0.27232563	2.3572757	21	3 15.3	20.5
96014 2004 PD_{7}	16.2	X	138.41816	189.52233	152.55346	3.14696	0.1878949	0.25755544	2.4465583	21	—	—
96015 2004 PO_{7}	16.6	X	280.84488	163.59138	204.02221	1.37935	0.2110367	0.22518740	2.6757159	21	6 9.9	20.3
96016 2004 PP_{7}	16.7	X	189.04096	45.11618	295.89082	1.73408	0.1993237	0.26558684	2.3969833	21	2 9.1	20.5
96017 2004 PA_{9}	16.3	X	261.28915	203.52439	140.27572	7.82573	0.1339099	0.27728236	2.3290987	21	4 26.0	19.6
96018 2004 PG_{9}	16.3	X	269.21508	163.14788	165.28347	7.09228	0.1502247	0.27664008	2.3327023	21	4 11.1	19.5
96019 2004 PK_{9}	15.5	X	235.13773	223.44537	160.51839	13.60401	0.2472421	0.21845234	2.7304334	21	5 15.9	20.4
96020 2004 PL_{9}	15.3	X	42.39149	190.18382	175.62556	9.58419	0.1538346	0.18511994	3.0490690	21	12 30.2	19.7
96021 2004 PD_{12}	15.8	X	274.16442	220.42036	140.97066	0.63420	0.3055905	0.22342422	2.6897745	21	5 13.4	20.1
96022 2004 PZ_{13}	16.3	X	284.02740	318.55634	344.61802	5.02818	0.1985542	0.27705931	2.3303486	21	3 16.9	19.8
96023 2004 PW_{17}	16.8	X	301.65649	174.15977	75.05567	1.78954	0.1692074	0.27293647	2.3537572	21	1 30.9	20.0
96024 2004 PD_{19}	16.2	X	138.94761	142.91216	161.35193	2.24075	0.1047844	0.25197292	2.4825622	21	—	—
96025 2004 PN_{19}	16.1	X	317.26310	272.16458	355.37059	5.89038	0.1302033	0.27636547	2.3342473	21	3 21.2	18.7
96026 2004 PO_{27}	15.4	X	46.66185	274.99354	21.76108	8.01454	0.2220532	0.18022163	3.1040695	21	10 21.4	19.6
96027 2004 PB_{29}	17.2	X	230.16073	194.80582	164.49389	2.58688	0.2336871	0.27355935	2.3501830	21	4 6.2	21.0
96028 2004 PD_{30}	14.5	X	346.77098	185.83544	157.35468	9.51084	0.0976542	0.17412209	3.1761437	21	9 2.3	18.5
96029 2004 PK_{31}	15.5	X	253.50188	328.78304	323.82388	7.18767	0.2615977	0.21291683	2.7775553	21	2 7.9	20.2
96030 2004 PZ_{31}	16.0	X	181.76036	264.62484	138.69461	7.16802	0.1063636	0.27334285	2.3514237	21	4 20.5	19.5
96031 2004 PG_{33}	16.1	X	224.90093	218.78345	125.97108	6.44769	0.0882784	0.21396471	2.7684793	21	3 27.7	20.3
96032 2004 PN_{35}	16.0	X	245.24901	311.73680	25.38941	2.09139	0.1154756	0.21540470	2.7561272	21	4 4.1	20.2
96033 2004 PE_{36}	16.4	X	240.06850	31.83219	336.68236	2.23246	0.1502792	0.27704758	2.3304144	21	4 30.0	19.8
96034 2004 PW_{42}	16.4	X	212.71371	260.53091	57.14188	5.44976	0.2407854	0.26759592	2.3849708	21	2 3.1	20.6
96035 2004 PB_{54}	16.2	X	250.76325	346.52427	260.89163	1.74701	0.1559553	0.26344984	2.4099281	21	—	—
96036 2004 PP_{57}	16.0	X	251.24669	74.36201	250.15255	1.83665	0.2214568	0.21596157	2.7513873	21	3 16.2	20.7
96037 2004 PQ_{65}	16.1	X	218.77522	139.19331	188.75960	4.84694	0.1315322	0.26769526	2.3843807	21	2 17.1	19.7
96038 2004 PY_{67}	15.5	X	240.56079	181.07503	168.46309	12.77835	0.1345873	0.21715176	2.7413247	21	4 15.5	19.8
96039 2004 PN_{79}	16.1	X	196.11039	64.52565	228.92897	3.17101	0.1915628	0.26110971	2.4243056	21	—	—
96040 2004 PO_{82}	15.4	X	58.74801	272.44588	124.02005	3.33556	0.1996926	0.19174282	2.9784477	21	—	—
96041 2004 PR_{90}	16.0	X	335.55613	207.64963	155.32514	6.17448	0.1582830	0.28923462	2.2644837	21	9 27.1	17.5
96042 2004 PZ_{90}	15.6	X	287.96269	202.50835	148.37404	1.92713	0.2368804	0.22076891	2.7112992	21	5 24.2	19.4
96043 2004 PC_{93}	15.1	X	11.21271	259.28801	91.22120	9.77682	0.1675614	0.18053279	3.1005018	21	11 1.4	18.9
96044 2004 PU_{95}	15.1	X	71.48818	251.68708	97.03381	10.77036	0.0694084	0.19110458	2.9850755	21	—	—
96045 2004 PX_{97}	14.4	X	359.09521	296.27304	84.81023	11.71775	0.0827482	0.18306560	3.0718374	21	11 13.3	18.4
96046 2004 PW_{99}	16.3	X	69.61308	190.78186	156.36439	13.58543	0.1952051	0.24372535	2.5382569	21	—	—
96047 2004 QW_{6}	14.9	X	48.20227	200.98697	113.76293	13.00032	0.0704694	0.18087231	3.0966205	21	10 30.2	19.4
96048 2004 QU_{9}	16.4	X	74.23610	140.95203	109.65611	7.13963	0.0485346	0.29141114	2.2531942	21	9 17.6	19.1
96049 2004 QF_{11}	14.8	X	56.12567	220.87196	111.34468	10.71612	0.1104354	0.18399035	3.0615359	21	12 2.6	19.2
96050 2004 QM_{14}	15.4	X	142.96955	84.55617	245.44732	8.24382	0.0326025	0.19744371	2.9208361	21	—	—
96051 2115 P–L	15.1	X	98.24533	69.75587	218.41233	4.92665	0.1558290	0.18063923	3.0992837	21	11 28.6	20.0
96052 2134 P–L	15.8	X	213.14892	84.47022	335.10880	3.04670	0.1725134	0.22222463	2.6994456	21	6 10.3	20.2
96053 2156 P–L	14.8	X	38.52075	164.64537	193.37228	12.69502	0.1394871	0.17969267	3.1101581	21	12 13.6	19.2
96054 2189 P–L	14.3	X	128.69187	230.13108	6.59440	17.52161	0.0773989	0.17888084	3.1195611	21	10 18.7	19.1
96055 2596 P–L	14.8	X	294.74389	0.47062	66.84005	1.84037	0.1926608	0.17560651	3.1582194	21	9 19.3	18.7
96056 2704 P–L	14.5	X	46.16880	73.07274	186.08905	19.72527	0.1325484	0.17602445	3.1532185	21	8 16.4	18.8
96057 2711 P–L	16.0	X	108.26024	324.95734	156.85433	2.85473	0.1175382	0.26903528	2.3764567	21	5 9.6	18.9
96058 2831 P–L	14.9	X	39.60950	271.51872	51.00812	2.57531	0.1265300	0.17907357	3.1173224	21	10 30.5	19.0
96059 3030 P–L	14.6	X	306.08280	163.71235	257.62732	9.85019	0.1591545	0.17669543	3.1452306	21	9 28.7	18.7
96060 3103 P–L	14.6	X	26.14063	140.23015	240.25552	9.56193	0.0835713	0.18009907	3.1054776	21	12 16.6	18.7
96061 4222 P–L	15.5	X	205.68598	352.91911	333.21519	5.44210	0.0684160	0.20222482	2.8746154	21	2 12.6	19.8
96062 4558 P–L	15.4	X	304.37650	62.23623	12.74097	4.35054	0.1421910	0.17770314	3.1333289	21	10 20.2	19.3
96063 4627 P–L	16.6	X	197.29913	326.56686	39.33775	2.00503	0.1976223	0.26845668	2.3798700	21	3 19.2	20.4
96064 4772 P–L	15.4	X	160.02621	356.50317	4.52829	2.38393	0.1518328	0.20158580	2.8806871	21	2 13.4	20.0
96065 4785 P–L	15.9	X	332.80652	241.99771	164.97452	1.19172	0.1645113	0.17777657	3.1324660	21	11 1.4	19.4
96066 4799 P–L	15.6	X	249.43603	41.57388	8.69326	14.62555	0.1229832	0.22370678	2.6875092	21	7 14.4	19.8
96067 4810 P–L	14.5	X	328.99535	99.74556	4.69642	12.10234	0.1248854	0.18085573	3.0968098	21	—	—
96068 4819 P–L	14.3	X	310.72599	108.87374	169.79820	9.63734	0.1273780	0.15795956	3.3892643	21	4 14.4	18.9
96069 6060 P–L	15.2	X	26.43891	45.10652	342.40042	3.80562	0.1442739	0.24536130	2.5269618	21	—	—
96070 6078 P–L	15.7	X	307.56617	190.01462	190.66692	14.23251	0.2592210	0.22511888	2.6762588	21	7 26.9	18.9
96071 6127 P–L	15.3	X	78.65628	4.26147	357.59519	10.00223	0.1786250	0.24685255	2.5167745	21	—	—
96072 6222 P–L	17.4	X	129.93174	110.56356	235.71806	1.21876	0.1780239	0.31346461	2.1462338	21	—	—
96073 6677 P–L	16.1	X	356.92263	350.13728	19.69253	4.34503	0.1126504	0.29218369	2.2492207	21	11 16.3	18.2
96074 6709 P–L	16.8	X	184.08108	326.70468	44.93844	3.15905	0.2309372	0.26812277	2.3818455	21	3 16.9	20.9
96075 6736 P–L	15.5	X	353.16103	27.24144	36.98876	5.08296	0.1141323	0.24552712	2.5258239	21	—	—
96076 6825 P–L	16.6	X	21.98107	281.15343	35.89296	3.97455	0.2368923	0.29167094	2.2518560	21	11 2.9	18.5
96077 6840 P–L	16.3	X	48.80227	253.67900	103.38758	2.63561	0.1341041	0.24548579	2.5261074	21	—	—
96078 6857 P–L	16.3	X	81.35536	149.90166	1.40485	1.68692	0.0791851	0.26980735	2.3719209	21	5 4.9	19.1
96079 7583 P–L	16.1	X	317.40740	302.70562	108.44189	2.86595	0.0727409	0.29190020	2.2506768	21	11 7.6	18.2
96080 7649 P–L	16.6	X	31.16921	194.75627	133.25969	3.02747	0.2919321	0.29256393	2.2472714	21	12 11.7	19.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
96081 9079 *P–L*	16.4	*X*	219.96745	64.04242	295.74903	2.10363	0.1872093	0.26945086	2.3740125	21	3 29.2	20.2
96082 9606 *P–L*	15.0	*X*	44.98989	311.68330	60.58531	2.70893	0.1855753	0.18028723	3.1033165	21	—	—
96083 1242 *T–1*	16.3	*X*	96.71381	160.50784	8.99511	1.78766	0.1740698	0.27906862	2.3191493	21	7 8.5	19.2
96084 2225 *T–1*	15.8	*X*	216.22360	43.08374	23.95196	8.43686	0.1291600	0.28075440	2.3098565	21	6 24.9	19.4
96085 2256 *T–1*	15.6	*X*	216.83558	68.53931	17.70754	9.57087	0.2017694	0.28217352	2.3021054	21	7 19.2	19.4
96086 Toscanos	13.6	*X*	84.71911	116.38927	194.31407	4.94582	0.1205850	0.12467867	3.9683315	21	11 29.6	19.4
96087 1035 *T–2*	15.6	*X*	219.12236	245.73785	186.34170	23.38346	0.2171036	0.28359814	2.2943894	21	6 27.6	19.9
96088 1074 *T–2*	15.5	*X*	285.98552	226.36223	191.42808	11.43880	0.1647289	0.22476455	2.6790707	21	8 29.7	18.9
96089 1127 *T–2*	15.6	*X*	336.41510	263.72049	358.35060	5.36515	0.0357303	0.22017513	2.7161716	21	4 30.5	19.1
96090 1185 *T–2*	16.1	*X*	346.52650	315.41542	9.78687	7.84270	0.1767612	0.28653207	2.2787004	21	8 20.3	17.7
96091 1267 *T–2*	15.2	*X*	119.16112	350.81752	355.56198	9.52983	0.1024873	0.19152476	2.9807080	21	—	—
96092 2036 *T–2*	15.5	*X*	108.84332	347.35007	338.40454	4.96856	0.2081621	0.19040785	2.9923530	21	—	—
96093 2063 *T–2*	15.3	*X*	287.09154	42.45714	1.71017	4.56457	0.1012973	0.22432569	2.6825637	21	8 26.6	18.5
96094 2089 *T–2*	16.6	*X*	255.87659	212.06422	196.31668	6.36479	0.1527650	0.28469159	2.2885108	21	7 11.4	19.8
96095 2095 *T–2*	15.9	*X*	240.98573	57.44990	318.58630	1.11590	0.1016962	0.22079036	2.7111235	21	5 19.2	19.8
96096 2111 *T–2*	16.4	*X*	328.98853	136.23069	186.13481	5.70323	0.1519063	0.28525893	2.2854754	21	6 30.6	18.5
96097 2122 *T–2*	16.9	*X*	280.81826	196.99739	191.53432	1.45953	0.2012520	0.28520556	2.2857605	21	7 9.6	19.5
96098 2143 *T–2*	14.8	*X*	172.90534	271.13242	2.32995	11.68426	0.1148037	0.19104859	2.9856587	21	—	—
96099 2193 *T–2*	15.5	*X*	127.92715	101.91261	188.33142	2.18370	0.2053061	0.19021071	2.9944201	21	12 29.6	20.6
96100 2263 *T–2*	15.7	*X*	41.52780	267.57842	201.37695	4.84719	0.1561210	0.25491081	2.4634507	21	1 1.3	18.0
96101 3006 *T–2*	16.5	*X*	136.11233	193.16034	174.99353	13.39195	0.2880898	0.25535334	2.4606038	21	2 2.4	20.4
96102 3054 *T–2*	16.5	*X*	251.21648	16.86376	14.86733	8.59034	0.1088399	0.28410021	2.2916855	21	6 18.4	19.7
96103 3132 *T–2*	15.2	*X*	310.56067	294.69569	53.85337	4.20398	0.0963006	0.22353724	2.6888678	21	7 15.9	18.4
96104 3189 *T–2*	16.3	*X*	63.84332	18.53284	27.12503	6.30937	0.1494035	0.25306760	2.4753979	21	—	—
96105 3225 *T–2*	16.4	*X*	325.72682	280.22202	53.31100	4.27267	0.1200388	0.28557690	2.2837786	21	7 18.5	18.4
96106 3313 *T–2*	16.2	*X*	353.42315	191.43541	156.45499	6.32558	0.1879148	0.28794044	2.2712639	21	10 17.2	17.8
96107 4109 *T–2*	16.2	*X*	66.95777	259.04148	158.74871	7.84710	0.1268655	0.25388991	2.4700500	21	—	—
96108 4167 *T–2*	15.8	*X*	329.03773	282.49027	16.46523	11.13032	0.2366176	0.22272151	2.6954293	21	5 11.3	18.8
96109 4192 *T–2*	15.5	*X*	228.45108	306.22099	156.96821	3.65713	0.2019156	0.22304682	2.6928078	21	8 16.9	19.7
96110 4224 *T–2*	17.1	*X*	330.09026	199.02262	145.04256	4.23126	0.1722019	0.28624697	2.2802132	21	8 7.7	18.6
96111 4243 *T–2*	15.7	*X*	223.25418	354.47494	39.22227	5.43098	0.1009193	0.22061206	2.7125841	21	5 22.1	19.8
96112 5063 *T–2*	15.1	*X*	282.19370	178.71280	232.68154	7.00601	0.1269233	0.28633632	2.2797388	21	8 25.1	17.7
96113 5083 *T–2*	15.4	*X*	271.43473	51.99347	337.90746	13.60573	0.1206811	0.22296086	2.6934999	21	7 14.7	19.3
96114 5088 *T–2*	15.0	*X*	13.65958	296.16776	335.15405	15.18931	0.1448828	0.22307760	2.6925601	21	7 19.9	18.0
96115 5139 *T–2*	14.7	*X*	111.64793	340.76032	328.21576	9.12734	0.0949299	0.18942669	3.0026769	21	—	—
96116 5412 *T–2*	15.2	*X*	106.53524	77.56592	275.36494	8.94009	0.1245658	0.19097762	2.9863983	21	—	—
96117 5458 *T–2*	15.8	*X*	45.66681	309.96812	305.05933	6.12686	0.0911930	0.28544528	2.2844806	21	8 13.4	18.3
96118 1087 *T–3*	15.6	*X*	148.66228	277.21314	314.89241	6.04519	0.1327528	0.29383081	2.2408072	21	11 20.5	19.1
96119 1091 *T–3*	14.5	*X*	349.90157	160.69765	249.00310	9.28128	0.0701852	0.18125487	3.0922618	21	12 1.6	18.6
96120 1114 *T–3*	16.3	*X*	161.90475	98.93375	262.18886	5.48811	0.1339820	0.25720669	2.4487693	21	2 3.2	20.0
96121 1127 *T–3*	15.1	*X*	358.65142	347.03650	288.36106	8.67303	0.1810480	0.21998768	2.7177143	21	6 20.2	17.6
96122 1141 *T–3*	14.7	*X*	71.13687	60.53928	268.72912	7.57758	0.1316089	0.18243266	3.0789383	21	12 16.7	19.2
96123 1184 *T–3*	14.8	*X*	324.36135	224.08473	220.56310	13.82421	0.2451582	0.18039268	3.1021070	21	12 2.9	17.8
96124 2058 *T–3*	14.5	*X*	181.93364	269.20831	264.62959	4.33049	0.1305012	0.17846768	3.1243738	21	9 28.7	19.6
96125 2152 *T–3*	15.2	*X*	59.65731	105.87628	213.94583	15.28482	0.1503349	0.18161018	3.0882273	21	11 25.7	19.7
96126 2174 *T–3*	15.3	*X*	205.76443	85.14448	10.23101	12.84635	0.1605372	0.21934292	2.7230376	21	7 23.5	19.9
96127 2202 *T–3*	15.0	*X*	280.60446	229.09086	221.65578	8.94461	0.0620848	0.17919601	3.1159022	21	10 15.9	19.2
96128 2220 *T–3*	15.5	*X*	24.86280	150.91820	227.74584	4.64917	0.1500993	0.18147099	3.0898062	21	12 21.9	19.6
96129 2248 *T–3*	14.8	*X*	9.84752	111.15278	224.53495	10.22428	0.0640098	0.17844294	3.1246626	21	9 23.9	19.0
96130 2269 *T–3*	14.8	*X*	347.87093	170.80772	224.92600	9.35419	0.0820846	0.18015326	3.1048549	21	11 11.6	18.8
96131 2276 *T–3*	15.0	*X*	176.02051	60.65299	314.42228	3.22776	0.1661648	0.25875860	2.4389685	21	3 9.7	18.7
96132 2354 *T–3*	15.2	*X*	22.05969	8.65983	353.85692	4.66189	0.2322043	0.18078212	3.0976504	21	12 9.0	19.0
96133 2488 *T–3*	15.6	*X*	292.10599	39.12004	259.53951	4.47803	0.0444782	0.21646777	2.7470963	21	4 17.5	19.3
96134 3027 *T–3*	15.1	*X*	4.05960	339.14555	26.61443	2.49503	0.1468727	0.17964033	3.1107622	21	11 2.5	18.5
96135 3054 *T–3*	15.1	*X*	17.37293	7.75414	27.27191	5.65621	0.1565690	0.18147970	3.0897073	21	—	—
96136 3209 *T–3*	14.4	*X*	80.15429	300.05453	21.77106	11.23949	0.1755694	0.18288586	3.0738498	21	12 21.7	19.3
96137 3252 *T–3*	16.6	*X*	246.79009	246.28270	208.68223	0.23185	0.1833579	0.28910317	2.2651701	21	9 1.0	19.6
96138 3277 *T–3*	15.8	*X*	236.73636	338.21836	38.91809	2.28213	0.1111898	0.21775374	2.7362701	21	5 15.3	20.0
96139 3324 *T–3*	15.2	*X*	11.16047	181.96360	190.77592	10.70664	0.1679315	0.18041616	3.1018378	21	11 27.4	19.0
96140 3339 *T–3*	15.2	*X*	330.65598	270.89361	39.15715	4.37927	0.1960332	0.22058002	2.7128468	21	6 9.9	18.0
96141 3359 *T–3*	16.8	*X*	88.73380	219.35177	206.83997	0.54627	0.1658486	0.25578048	2.4578636	21	1 31.7	19.3
96142 3425 *T–3*	15.1	*X*	19.27456	172.70601	197.21543	17.94712	0.2128339	0.18078663	3.0975989	21	12 11.8	19.2
96143 3434 *T–3*	15.9	*X*	192.90941	236.80636	209.96309	2.95954	0.1659976	0.21824527	2.7321602	21	6 26.3	20.3
96144 3466 *T–3*	15.1	*X*	59.22140	328.74784	55.20133	1.25935	0.1902367	0.18364141	3.0654129	21	—	—
96145 3808 *T–3*	14.2	*X*	250.97445	112.52161	24.74814	23.00281	0.1722278	0.17985995	3.1082295	21	10 20.9	18.8
96146 3834 *T–3*	15.9	*X*	35.60148	33.87638	64.30327	3.21937	0.1579922	0.25426169	2.4676417	21	—	—
96147 3851 *T–3*	15.1	*X*	299.81732	243.68351	198.22855	8.91633	0.0888573	0.17958419	3.1114106	21	10 29.9	19.1
96148 3991 *T–3*	14.4	*X*	77.72943	299.01932	32.66809	12.81669	0.2420896	0.18337735	3.0683549	21	—	—
96149 4125 *T–3*	15.2	*X*	278.27835	326.41396	33.85754	9.94214	0.3022193	0.22010109	2.7167807	21	5 14.8	19.5
96150 4158 *T–3*	16.9	*X*	335.71106	172.50538	169.27481	6.57097	0.1341013	0.28960442	2.2625556	21	8 19.4	18.7
96151 4239 *T–3*	15.7	*X*	278.51712	202.87563	162.29086	7.64362	0.1025389	0.21966375	2.7203855	21	6 20.3	19.5
96152 4358 *T–3*	14.5	*X*	94.50042	263.41672	59.58522	10.33600	0.1231228	0.18339321	3.0681780	21	—	—
96153 4651 *T–3*	15.0	*X*	63.12359	102.92209	183.94773	11.90088	0.1343442	0.18005966	3.1059307	21	10 19.2	19.3
96154 5121 *T–3*	14.6	*X*	21.49303	326.45841	71.86152	11.68368	0.0750113	0.18253773	3.0777567	21	12 31.7	18.8
96155 1973 *HA*	14.5	*X*	226.95599	110.06657	49.99881	23.48864	0.3984441	0.21709335	2.7418164	21	10 16.3	19.6
96156 1974 *CB*	15.7	*X*	264.12766	165.58885	327.87437	5.18952	0.1569944	0.28570544	2.2830936	21	11 22.6	18.0
96157 1978 UV_4	16.1	*X*	270.64045	116.88205	234.50414	1.51643	0.2092259	0.27011464	2.3701216	21	5 4.9	19.6
96158 1978 UE_8	15.1	*X*	51.98232	71.27757	14.18536	10.90438	0.2265138	0.19071611	2.9891277	21	1 20.9	18.3
96159 1978 VR_3	16.7	*X*	252.75076	168.56108	230.50734	1.51168	0.1865063	0.26962075	2.3730151	21	6 21.5	20.1
96160 1978 VW_7	16.4	*X*	239.55370	143.41547	271.61167	1.31319	0.2185927	0.26947302	2.3738824	21	6 25.7	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
96161 1978 VS_9	16.5	X	207.95571	170.33085	230.28499	0.44860	0.1733613	0.26676296	2.3899329	21	5 10.9	20.2
96162 1979 MN_7	14.8	X	76.91305	248.62905	150.34106	6.54911	0.2261794	0.24474844	2.5311784	21	—	—
96163 1981 DJ_1	15.9	X	132.64139	280.65577	274.19432	5.75579	0.0750530	0.27864041	2.3215247	21	9 10.4	19.2
96164 1981 EH_6	16.0	X	134.22965	235.48111	262.61959	4.08522	0.3566151	0.20286876	2.8685292	21	7 17.8	21.2
96165 1981 EL_{14}	14.7	X	202.78365	48.50356	347.09796	11.64403	0.0377063	0.19984951	2.8973480	21	5 1.4	19.1
96166 1981 EW_{15}	15.2	X	85.71406	153.52601	343.00514	10.66164	0.2731882	0.19962867	2.8994844	21	5 24.3	19.5
96167 1981 EG_{20}	14.4	X	270.80703	324.05869	342.96211	6.91925	0.1607454	0.19730767	2.9221785	21	3 20.5	18.8
96168 1981 ER_{23}	16.0	X	8.69167	6.60130	91.21862	1.71090	0.1028947	0.24061812	2.5600620	21	—	—
96169 1981 EW_{23}	16.3	X	8.00087	328.13573	285.68356	1.54745	0.1794724	0.27362891	2.3497847	21	6 3.5	18.0
96170 1981 EE_{29}	16.1	X	227.41517	169.21717	301.34667	4.54971	0.0850024	0.28028919	2.3124117	21	9 9.4	19.2
96171 1981 ET_{32}	14.8	X	181.11445	54.00099	277.21043	9.62056	0.0941415	0.19291315	2.9663894	21	1 24.7	19.5
96172 1981 EN_{34}	16.0	X	13.63163	8.52486	252.39950	5.97941	0.0857951	0.27504078	2.3417363	21	6 25.5	18.2
96173 1981 ED_{36}	15.4	X	344.22095	340.90734	330.37315	6.32853	0.1259473	0.27615888	2.3354113	21	7 19.7	17.4
96174 1981 EF_{38}	16.9	X	181.02488	8.96161	233.78356	4.50469	0.1572313	0.28471352	2.2883933	21	—	—
96175 1981 EY_{43}	15.6	X	16.99590	179.66156	270.44516	3.94295	0.1697890	0.24105359	2.5569779	21	—	—
96176 1981 EZ_{44}	15.9	X	342.44743	118.04050	207.61217	6.38703	0.1255389	0.27730283	2.3289840	21	8 4.7	18.0
96177 1984 BC	16.0	X	257.60580	43.65509	129.43351	21.34641	0.5331560	0.15084102	3.4950743	21	11 3.1	22.2
96178 Rochambeau	15.3	X	42.86186	232.89630	156.70843	2.79866	0.3514167	0.23754111	2.5821226	21	—	—
96179 1988 DX_4	16.0	X	294.18170	343.30596	186.11580	12.30337	0.2249332	0.23156846	2.6263329	21	—	—
96180 1988 SR_2	13.6	X	156.55226	222.81625	23.82757	2.14927	0.1309601	0.12459333	3.9701434	21	11 24.3	19.7
96181 1988 VW_2	15.8	X	15.05328	170.23650	248.09320	2.33181	0.2996632	0.24325779	2.5415083	21	—	—
96182 1989 RT_1	15.6	X	239.68907	350.46337	357.64166	13.29666	0.2937334	0.26816751	2.3815805	21	3 26.7	19.9
96183 1989 UG_2	14.5	X	319.12057	340.80469	45.78573	26.84719	0.2727456	0.27617997	2.3352924	21	10 3.4	16.6
96184 1990 QH_3	14.7	X	353.17327	356.03988	341.48763	17.24470	0.2881235	0.22308541	2.6924973	21	9 15.8	16.4
96185 1990 RJ_7	15.1	X	305.27506	92.94305	1.15600	7.24388	0.2923165	0.22593510	2.6698093	21	11 6.7	17.3
96186 1990 SF_8	15.5	X	351.50114	14.34469	34.04462	5.47225	0.1884624	0.29046420	2.2580886	21	—	—
96187 1990 UH_4	14.1	X	145.51574	348.19533	56.28599	17.73965	0.2109720	0.20600851	2.8393087	21	4 4.6	18.9
96188 1991 GC	15.2	X	235.03880	46.89569	183.05819	23.45535	0.2438638	0.28379410	2.2933331	21	—	—
96189 Pygmalion	16.4	X	113.33076	293.11015	287.23953	13.99433	0.3074462	0.40124708	1.8205172	21	10 13.4	19.7
96190 1991 PD_{19}	15.8	X	107.61828	254.53930	104.23838	0.73957	0.2078620	0.24322619	2.5417285	21	—	—
96191 1991 TK_9	15.4	X	201.34385	322.03387	213.59858	3.68359	0.0111287	0.23132829	2.6281504	21	11 7.8	18.9
96192 Calgary	15.8	X	193.51153	286.89936	44.89631	7.62133	0.1439308	0.27840135	2.3228535	21	1 31.4	19.4
96193 Edmonton	16.5	X	68.93174	228.97514	172.30915	4.70691	0.1440739	0.23878765	2.5731285	21	—	—
96194 1991 VF_6	14.6	X	8.31757	317.25412	68.74874	18.69367	0.2691381	0.23199809	2.6230895	21	—	—
96195 1992 AW_2	15.8	X	21.77790	305.77263	97.71328	5.32404	0.0533484	0.29662424	2.2267167	21	—	—
96196 1992 EQ_4	16.0	X	252.51686	355.31864	125.00252	4.82889	0.0426699	0.28921088	2.2646076	21	11 8.8	18.6
96197 1992 EF_6	15.9	X	182.01130	125.28591	103.95594	5.06114	0.1989596	0.22317875	2.6917465	21	12 7.2	20.3
96198 1992 EF_{13}	15.7	X	247.41035	17.22658	192.40942	2.72409	0.1788801	0.22789419	2.6544867	21	—	—
96199 1992 EY_{24}	16.0	X	328.21413	115.44434	96.43171	3.96965	0.1211652	0.30292770	2.1957188	21	1 14.7	18.6
96200 Oschin	15.5	X	126.01510	18.86032	281.60691	4.34019	0.2049879	0.17895412	3.1187095	21	—	—
96201 1992 RK_3	15.6	X	150.22367	349.26444	338.29734	1.75600	0.2694444	0.18345579	3.0674802	21	1 8.8	20.6
96202 1992 RR_7	16.3	X	290.57780	244.28294	85.94303	2.88951	0.2009569	0.26582369	2.3955593	21	5 2.3	19.4
96203 1992 SH_3	16.6	X	253.42489	211.33342	153.24721	3.06724	0.2139199	0.26477485	2.4018814	21	5 5.7	20.4
96204 1992 SN_5	15.2	X	335.70005	238.03409	359.08780	9.02172	0.1719314	0.26269520	2.4145412	21	3 4.2	17.8
96205 Ararat	16.3	X	238.45367	33.08663	337.31591	2.53097	0.1905221	0.26316604	2.4116604	21	4 28.8	20.0
96206 Eschenberg	14.8	X	132.36901	351.09487	8.83024	3.51094	0.1500906	0.18337840	3.0683431	21	1 18.5	19.3
96207 1993 FK_4	16.0	X	357.83783	30.17955	171.78022	7.22920	0.1642361	0.24515516	2.5283781	21	2 22.6	18.6
96208 1993 FY_6	15.6	X	231.58584	227.80449	63.09165	3.54457	0.1479521	0.31006738	2.1618821	21	1 9.1	18.7
96209 1993 FA_9	16.0	X	348.45958	347.83139	129.88069	4.82667	0.2187140	0.23861305	2.5743836	21	—	—
96210 1993 FR_{14}	15.2	X	293.60378	251.45455	108.31481	5.96862	0.1760041	0.21936022	2.7228944	21	6 22.1	18.7
96211 1993 FU_{23}	15.5	X	359.63301	20.60552	205.60422	6.31836	0.0825854	0.21186686	2.7867244	21	4 15.8	18.9
96212 1993 FK_{27}	16.0	X	161.20170	71.01320	242.31198	3.28163	0.1743987	0.30509607	2.1853029	21	—	—
96213 1993 FZ_{30}	16.1	X	180.57356	312.13724	40.84697	2.84646	0.1748699	0.31140027	2.1557086	21	2 10.3	19.2
96214 1993 FB_{42}	15.6	X	16.52465	84.01239	10.28622	4.75672	0.2459891	0.23946460	2.5682769	21	—	—
96215 1993 QR_9	16.2	X	328.69792	336.05875	49.68248	2.76607	0.1047454	0.28337891	2.2955726	21	10 17.7	18.2
96216 1993 RM_1	15.0	X	112.56730	94.85782	316.01281	1.46344	0.0765547	0.19326882	2.9627490	21	2 13.6	19.2
96217 Gronchi	15.4	X	3.08256	29.98515	311.43175	4.03126	0.2013482	0.28291055	2.2981054	21	10 24.2	17.2
96218 1993 RZ_{14}	16.9	X	8.57080	116.92737	1.24135	19.13375	0.0783841	0.36600542	1.9355796	21	—	—
96219 1993 SH_5	15.1	X	92.50836	316.12534	40.84383	0.81974	0.2412093	0.18597063	3.0397636	21	—	—
96220 1993 SY_{13}	14.8	X	40.33288	8.81436	13.91793	4.40295	0.1816730	0.18213203	3.0823255	21	—	—
96221 1993 TC_2	15.4	X	276.40750	3.30050	20.24559	3.42186	0.1974983	0.27578912	2.3374983	21	6 27.2	18.3
96222 1993 TU_9	15.2	X	260.77179	216.41040	283.02963	3.16831	0.1574990	0.17802368	3.1295667	21	11 5.9	19.5
96223 1993 TG_{14}	15.8	X	280.53377	243.83686	181.23616	5.44355	0.1042884	0.28023972	2.3126838	21	9 18.8	18.3
96224 1993 TY_{17}	16.2	X	245.73201	248.31296	160.01214	3.65376	0.1203959	0.27543713	2.3394893	21	7 3.8	19.5
96225 1993 TP_{18}	14.9	X	93.10588	210.34140	122.64517	1.64247	0.1576368	0.18320919	3.0702321	21	—	—
96226 1993 TS_{18}	16.3	X	234.43466	270.39929	43.77014	2.35780	0.1843020	0.26735194	2.3864215	21	2 15.9	20.0
96227 1993 TS_{22}	15.2	X	104.38860	40.58247	31.05094	10.78637	0.0927775	0.19251748	2.9704524	21	3 8.3	19.4
96228 1993 TV_{25}	16.4	X	235.65294	328.93054	66.82435	2.38638	0.1728913	0.27327620	2.3518061	21	5 31.0	19.9
96229 1993 TE_{30}	16.6	X	234.45838	251.92556	126.41184	2.25050	0.1957908	0.27185124	2.3600172	21	5 6.3	20.2
96230 1993 TZ_{35}	15.7	X	213.67817	223.28085	191.16560	5.71185	0.1010307	0.27285241	2.3542407	21	6 7.2	19.1
96231 1993 TF_{39}	16.1	X	278.30583	206.92700	140.53297	4.95014	0.1517227	0.27353123	2.3503440	21	5 18.0	19.1
96232 1993 TU_{39}	16.5	X	216.15288	45.57422	70.57643	4.48116	0.1792966	0.27703725	2.3304723	21	8 28.7	20.0
96233 1993 TA_{41}	16.1	X	242.63443	10.58765	50.54843	4.27986	0.0732323	0.27640298	2.3340361	21	7 26.0	19.0
96234 1993 UG	16.2	X	74.30479	48.71568	28.61588	20.71425	0.1860721	0.36682931	1.9326804	21	—	—
96235 1993 UB_5	16.1	X	32.22535	231.96397	98.47389	5.98857	0.1771690	0.28353557	2.2947269	21	11 27.3	18.7
96236 1993 UL_7	15.1	X	50.29308	246.71211	172.74683	9.83323	0.0485556	0.18519263	3.0482711	21	—	—
96237 1993 VL_1	14.6	X	137.14062	304.23940	85.29001	22.93949	0.2006006	0.19262584	2.9693383	21	3 13.0	19.7
96238 1994 AF_4	16.2	X	287.00680	310.96917	79.49678	3.37384	0.2303976	0.27378211	2.3489080	21	7 17.3	18.7
96239 1994 AC_7	14.6	X	34.93737	285.35554	112.83883	8.83330	0.1320004	0.17670203	3.1451524	21	—	—
96240 1994 AE_7	16.1	X	38.50728	136.77977	112.52939	4.10798	0.1668363	0.26686851	2.3893026	21	8 4.9	18.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
96241 1994 AG_7	16.6	X	191.59664	276.71258	108.54604	2.29634	0.1944003	0.26358738	2.4090897	21	4 8.2	20.4
96242 1994 AB_{17}	16.2	X	0.05191	32.58934	282.95089	0.91556	0.0467535	0.23491171	2.6013549	21	8 20.4	19.3
96243 1994 CF_6	14.8	X	284.77239	25.88470	146.18008	11.76851	0.1446340	0.17428107	3.1742119	21	—	—
96244 1994 CA_{16}	15.3	X	43.04234	251.14398	350.03308	7.80452	0.2172713	0.26247102	2.4159159	21	8 11.5	17.7
96245 1994 CA_{18}	15.9	X	133.62474	70.62095	79.68313	3.45883	0.1050433	0.26460303	2.4029211	21	7 17.8	19.2
96246 1994 JZ_5	14.8	X	228.86678	351.27927	54.50539	7.27022	0.2123529	0.22274947	2.6952037	21	6 4.7	19.4
96247 1994 PT_3	15.5	X	224.96929	63.26604	324.19880	5.04176	0.0591150	0.21166312	2.7885124	21	5 18.6	19.6
96248 1994 PX_6	15.6	X	263.03658	129.43971	152.76334	14.14217	0.1546374	0.24305185	2.5429438	21	2 5.8	19.5
96249 1994 PD_{22}	17.4	X	49.67198	310.61753	70.00317	0.96233	0.1740191	0.30166962	2.2018192	21	—	—
96250 1994 PE_{25}	15.3	X	249.47197	47.56003	339.36540	4.61940	0.1282895	0.21355080	2.7720554	21	6 9.2	19.4
96251 1994 RL_{26}	15.8	X	179.94224	209.76975	222.14453	3.60215	0.0523516	0.21078298	2.7962695	21	5 25.7	19.9
96252 1994 WB_6	15.8	X	179.04531	260.14153	61.21819	5.08766	0.1432735	0.30722879	2.1751779	21	—	—
96253 1995 BY_1	15.7	X	153.62941	259.78417	302.33218	5.75729	0.0429975	0.28493955	2.2871829	21	10 15.9	18.7
96254 Hoyo	16.4	X	232.77291	29.90648	140.55223	3.47787	0.1146887	0.28635053	2.2796634	21	12 7.1	19.1
96255 1995 ES_6	15.2	X	293.45846	156.78383	0.39404	0.95499	0.1335256	0.17991148	3.1076359	21	—	—
96256 1995 HS_2	15.9	X	247.17209	183.20343	90.36520	3.66238	0.1657298	0.25607709	2.4559653	21	1 10.2	19.7
96257 1995 JE	16.2	X	142.38681	113.20792	337.79192	5.85236	0.0564023	0.26480567	2.4016951	21	4 29.3	19.4
96258 1995 KQ_4	16.7	X	209.57411	175.52643	130.36164	0.50513	0.1628626	0.25481762	2.4640513	21	1 16.0	20.4
96259 1995 MV_1	15.5	X	247.44298	191.99295	146.54721	7.34043	0.1901054	0.26042893	2.4285286	21	3 31.3	19.3
96260 1995 MW_3	14.5	X	315.81023	336.32007	101.65282	13.58605	0.1036405	0.16840223	3.2476620	21	11 17.5	18.8
96261 1995 OA_4	16.2	X	89.34511	203.07191	318.90778	1.91952	0.1225256	0.25864143	2.4397050	21	6 9.6	19.2
96262 1995 PF	15.2	X	77.32529	80.86805	278.38551	11.71659	0.2141860	0.23896762	2.5718365	21	—	—
96263 1995 SE_2	15.3	X	350.97413	55.78748	339.56379	12.38023	0.1769445	0.23118676	2.6292229	21	12 2.5	18.2
96264 1995 SF_{17}	15.4	X	66.44556	241.86375	171.60453	4.55998	0.2241591	0.24047987	2.5610432	21	—	—
96265 1995 SX_{23}	16.1	X	230.69870	150.01282	154.17292	3.34187	0.0433641	0.24784690	2.5100385	21	2 5.3	19.4
96266 1995 SB_{33}	15.9	X	105.05351	210.98227	167.30322	5.04419	0.1490772	0.24283888	2.5444304	21	—	—
96267 1995 SK_{48}	14.6	X	300.11080	141.46555	31.01441	6.00370	0.2011377	0.23944918	2.5683871	21	—	—
96268 Tomcarr	15.2	X	82.40381	74.63342	255.68163	4.40115	0.2734481	0.23707804	2.5854839	21	—	—
96269 1995 SA_{67}	16.6	X	33.09897	289.85123	168.46530	4.33154	0.1795153	0.24183571	2.5514620	21	—	—
96270 1995 SY_{68}	15.7	X	200.81323	232.16202	5.31559	4.51291	0.0865272	0.23907150	2.5710914	21	—	—
96271 1995 SH_{79}	14.9	X	292.89905	169.50204	340.01330	14.85375	0.0603645	0.23972129	2.5664431	21	—	—
96272 1995 SZ_{88}	15.8	X	166.38634	303.93700	211.21865	2.92943	0.0392280	0.22193713	2.7017764	21	8 25.5	19.5
96273 1995 UD_{15}	15.9	X	333.59727	302.25157	348.60471	2.06564	0.1588056	0.25641923	2.4537802	21	5 20.1	18.3
96274 1995 UB_{32}	15.7	X	131.22942	243.04688	109.52196	3.54799	0.1832708	0.24124630	2.5556161	21	—	—
96275 1995 UG_{66}	16.1	X	77.22377	241.46428	350.63312	2.52926	0.1154082	0.22088863	2.7103194	21	8 28.1	19.7
96276 1995 VG_{11}	14.9	X	271.50815	86.61404	64.36381	9.03570	0.1579355	0.23141074	2.6275261	21	12 16.5	17.9
96277 1995 WN_4	15.5	X	57.46896	286.26917	114.14105	4.50841	0.1789658	0.23504217	2.6003922	21	—	—
96278 1995 WN_{19}	15.6	X	112.83917	177.34951	71.88975	14.81295	0.1289290	0.22541272	2.6739325	21	11 4.0	19.8
96279 1995 WE_{20}	15.3	X	221.05708	70.95869	72.97807	14.37169	0.0922676	0.22411236	2.6842658	21	10 18.5	19.4
96280 1995 WZ_{31}	15.3	X	152.58985	316.95921	282.99315	5.00336	0.1593221	0.21971782	2.7199392	21	11 24.7	19.7
96281 1995 WC_{37}	15.8	X	305.26761	293.34952	127.22438	10.20702	0.1842455	0.22064169	2.7123413	21	10 10.0	18.8
96282 1995 WX_{38}	15.3	X	109.24695	155.50136	28.56818	9.27014	0.0497064	0.21847613	2.7302352	21	7 29.3	19.2
96283 1995 YQ_5	16.3	X	39.36379	271.75297	105.19026	2.77490	0.1047845	0.23154857	2.6264833	21	—	—
96284 1995 YY_9	15.7	X	82.93853	57.34280	252.11583	3.23947	0.0511226	0.22329718	2.6907946	21	12 3.6	19.3
96285 1995 YG_{23}	14.9	X	188.66767	353.27773	106.91461	12.46440	0.2693355	0.21290130	2.7776904	21	7 7.9	19.8
96286 1996 AE_{13}	15.4	X	263.25232	12.78754	32.19434	4.69753	0.0696149	0.21237918	2.7822411	21	7 30.1	19.2
96287 1996 BW_8	15.5	X	299.79619	97.97229	284.77931	7.22778	0.1877463	0.21716987	2.7411723	21	7 30.6	18.8
96288 1996 GD_6	16.1	X	133.02905	219.53005	53.18999	5.92684	0.1475980	0.29431239	2.2383621	21	12 28.3	19.5
96289 1996 HZ_{12}	14.1	X	127.88400	204.65932	42.75193	20.33451	0.1172608	0.17315670	3.1879379	21	11 5.2	19.0
96290 1996 HZ_{17}	14.9	X	278.14418	106.50419	54.60223	6.96275	0.0596865	0.29837319	2.2180067	21	—	—
96291 1996 HQ_{20}	16.3	X	60.69900	231.71544	209.72914	3.85292	0.0776847	0.30490305	2.1862251	21	—	—
96292 1996 HR_{20}	14.5	X	292.77679	273.63893	217.72682	10.20812	0.0447335	0.17906354	3.1174388	21	12 23.0	18.8
96293 1996 HV_{22}	16.0	X	97.12571	244.30248	65.70599	4.85474	0.1656917	0.29198948	2.2502179	21	—	—
96294 1996 JE_2	14.1	X	249.13666	110.45514	108.08095	17.57576	0.1860902	0.18181008	3.0859632	21	—	—
96295 1996 JF_7	12.5	X	14.99283	111.61910	132.29865	4.10965	0.0916986	0.08218568	5.2392842	21	6 10.9	19.0
96296 1996 OK_1	14.2	X	91.22939	15.54535	317.72125	20.98367	0.0486627	0.17000580	3.2272075	21	—	—
96297 1996 RY_{25}	15.6	X	50.23660	22.88958	354.81129	12.04359	0.1531496	0.24537186	2.5268893	21	—	—
96298 1996 RE_{26}	15.8	X	231.01998	82.74029	341.25236	24.90268	0.0879002	0.39064278	1.8533162	21	7 24.5	18.3
96299 1996 SO	16.5	X	257.84165	38.17415	13.79290	5.63362	0.2121885	0.27102245	2.3648260	21	7 12.9	19.9
96300 1996 SC_8	16.4	X	165.32508	346.43524	19.30445	2.64318	0.2217788	0.25616695	2.4553909	21	2 22.5	20.4
96301 1996 TK_{30}	15.5	X	164.97341	297.97655	213.04124	5.52377	0.1203789	0.18754353	3.0227437	21	8 16.7	20.3
96302 1996 TL_{39}	15.8	X	231.67011	342.60136	56.42638	3.30011	0.1973986	0.26736419	2.3863486	21	5 29.6	19.5
96303 1996 UM_5	16.9	X	173.96376	267.48901	89.38811	1.85727	0.2353560	0.25746569	2.4471268	21	2 19.6	20.9
96304 1996 VH_{16}	16.2	X	138.56366	236.73493	52.74971	10.44176	0.1405446	0.28365787	2.2940673	21	—	—
96305 1996 VC_{36}	15.5	X	115.81006	122.05057	278.18002	5.46606	0.1455060	0.25321648	2.4744275	21	2 1.8	18.7
96306 1996 WO_2	15.7	X	212.94126	275.82694	73.87822	8.69251	0.1524918	0.25659097	2.4526851	21	3 17.9	19.7
96307 1996 XT_2	14.6	X	30.21791	316.87375	82.73078	31.81457	0.2817720	0.24113330	2.5564144	21	—	—
96308 1996 XX_{22}	15.6	X	31.74178	73.17629	157.08645	6.81444	0.0717920	0.26245394	2.4160207	21	6 11.2	18.3
96309 1996 XG_{23}	15.9	X	48.16850	63.27812	172.61582	7.25977	0.0648342	0.26486919	2.4013111	21	7 14.3	18.8
96310 1996 XA_{26}	15.9	X	50.07617	245.96308	81.82235	13.10600	0.3226855	0.24150716	2.5537754	21	12 25.8	19.7
96311 1996 XW_{27}	15.9	X	100.05132	211.75421	146.96224	2.25246	0.1800893	0.24118323	2.5560615	21	—	—
96312 1996 XS_{35}	16.7	X	135.27540	217.48789	266.16226	1.32405	0.1418019	0.26066183	2.4270818	21	6 16.3	20.0
96313 1997 AL_3	15.1	X	268.15332	130.06718	112.07387	11.29342	0.2068149	0.24312857	2.5424088	21	—	—
96314 1997 AL_6	14.7	X	310.05170	139.04848	286.55178	21.35670	0.0435075	0.23208485	2.6224357	21	10 28.1	18.6
96315 1997 AP_{10}	17.0	X	248.35948	356.27563	293.05430	6.65202	0.6433557	0.56864200	1.4429239	21	—	—
96316 1997 AA_{21}	15.9	X	10.24805	115.68835	230.37379	1.68488	0.1175774	0.22764381	2.6564327	21	10 23.6	18.7
96317 1997 BW_2	15.4	X	326.58214	357.99041	127.23803	14.14929	0.1034160	0.23714874	2.5849700	21	—	—
96318 1997 CN_1	15.2	X	351.09302	54.40134	46.50425	4.57046	0.1760201	0.23761014	2.5816225	21	—	—
96319 1997 CL_5	15.5	X	138.10907	73.48808	130.98453	2.65382	0.2813938	0.22193596	2.7017859	21	10 6.3	20.3
96320 1997 CV_{15}	15.5	X	289.76373	27.82291	329.92289	3.64428	0.1107738	0.21825808	2.7320532	21	6 24.4	19.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
96321 1997 CW_{16}	15.3	X	331.31258	260.68380	137.11525	17.69273	0.1518701	0.22977391	2.6399898	21	11 4.9	18.4
96322 1997 CN_{20}	15.8	X	234.97542	315.59914	348.08914	21.15984	0.0412494	0.36589891	1.9359552	21	1 26.8	18.3
96323 1997 CE_{26}	16.1	X	308.01986	134.31733	144.35755	23.81446	0.0691073	0.37091806	1.9184511	21	3 25.7	18.3
96324 1997 EV_{2}	15.0	X	134.27342	13.97586	162.24623	13.97674	0.1486425	0.21716302	2.7412300	21	8 21.8	19.4
96325 1997 EG_{7}	15.9	X	55.69794	65.19808	317.26210	15.96454	0.2142034	0.23593566	2.5938229	21	—	—
96326 1997 EN_{11}	14.6	X	169.61920	17.03240	113.74038	13.25139	0.1650251	0.21865202	2.7287707	21	7 31.1	19.1
96327 Ullmann	15.5	X	209.01670	124.47886	180.68303	22.82188	0.0774358	0.36112750	1.9529705	21	—	—
96328 1997 GC	15.8	X	238.80215	209.37261	7.11737	4.26154	0.2422893	0.23083212	2.6319152	21	—	—
96329 1997 GY_{8}	16.1	X	357.95967	290.45579	213.14589	1.92182	0.1185887	0.23899309	2.5716537	21	—	—
96330 1997 GW_{9}	15.7	X	150.32128	309.24774	192.06469	1.81150	0.0353719	0.21449742	2.7638937	21	7 18.7	19.5
96331 1997 GC_{21}	15.7	X	176.86224	147.47116	4.90024	4.84417	0.0967522	0.21888478	2.7268359	21	9 4.4	19.7
96332 1997 GQ_{34}	15.0	X	236.54005	12.03749	20.23821	12.90213	0.0976021	0.21179490	2.7873556	21	6 2.6	19.4
96333 1997 GL_{36}	15.8	X	211.58842	342.47658	228.19587	1.48983	0.1381390	0.22681021	2.6629376	21	12 18.2	19.7
96334 1997 HH_{3}	15.7	X	14.53535	87.38941	45.30245	21.84317	0.0579076	0.35927591	1.9596747	21	—	—
96335 1997 JW_{9}	14.8	X	135.85312	141.17505	136.96448	10.36951	0.1099518	0.18305369	3.0719706	21	12 19.9	19.8
96336 1997 KT_{3}	14.6	X	71.21213	205.21728	145.59389	13.86311	0.1599630	0.18133790	3.0913179	21	—	—
96337 1997 LG_{2}	12.6	X	244.02816	240.95575	103.62393	6.86293	0.0458340	0.08112142	5.2850086	21	5 1.7	19.7
96338 1997 LF_{5}	15.1	X	61.32554	282.89611	129.34469	10.68927	0.1063397	0.18927233	3.0043092	21	—	—
96339 1997 MD_{5}	16.0	X	257.96459	222.18387	123.04162	4.17183	0.1279455	0.32277782	2.1047488	21	4 19.5	18.7
96340 1997 NV_{4}	15.3	X	202.74417	107.33907	123.63864	12.25245	0.1587873	0.22613836	2.6682093	21	12 31.4	19.5
96341 1997 OX_{1}	16.1	X	102.18737	148.82370	172.46048	5.67428	0.2384120	0.30105044	2.2048373	21	—	—
96342 1997 PF_{2}	16.7	X	15.14723	316.46081	32.96313	2.66868	0.2165883	0.29120857	2.2542390	21	12 5.3	18.8
96343 1997 RS_{1}	14.6	X	170.33529	239.50305	151.43260	8.60222	0.1032109	0.18895621	3.0076591	21	3 30.7	19.2
96344 Scottweaver	16.5	X	92.45918	74.09454	238.49709	3.07845	0.1632121	0.29959598	2.2119674	21	—	—
96345 1997 RF_{5}	14.2	X	162.91619	315.04535	340.53026	16.81706	0.1692917	0.17943296	3.1131585	21	—	—
96346 1997 SC_{10}	16.1	X	347.07789	39.48691	44.68461	5.05923	0.1229158	0.29566709	2.2315197	21	—	—
96347 1997 SS_{16}	15.3	X	305.93250	30.41876	252.11713	1.13454	0.0772732	0.19312182	2.9642523	21	4 13.7	19.4
96348 Toshiyukimariko	15.5	X	194.89928	344.98085	343.26286	0.89687	0.1701070	0.30881562	2.1677201	21	1 22.5	18.7
96349 1997 US_{7}	16.3	X	332.56751	2.19084	82.39709	1.63735	0.1012191	0.29239024	2.2481613	21	—	—
96350 1997 UA_{15}	15.6	X	17.99035	339.42754	52.93607	2.95515	0.1842830	0.29283923	2.2458627	21	—	—
96351 1997 UA_{18}	16.1	X	226.97635	275.71649	56.73141	7.34437	0.1943686	0.27006806	2.3703941	21	3 6.1	20.1
96352 1997 VH_{2}	15.8	X	4.40462	340.63591	24.66938	4.54504	0.1918876	0.28833223	2.2692060	21	12 4.6	17.8
96353 1997 VF_{3}	15.9	X	0.19746	274.86832	72.47098	5.56699	0.1959887	0.28570388	2.2831019	21	10 31.8	17.7
96354 1997 VO_{3}	16.3	X	245.81066	3.35483	81.98691	2.68207	0.1909266	0.28025822	2.3125820	21	8 17.0	19.3
96355 1997 VR_{6}	16.5	X	74.43429	337.72438	65.06802	4.86494	0.1655588	0.30021080	2.2089464	21	—	—
96356 1997 VH_{8}	15.9	X	14.69150	285.41745	47.83718	4.85163	0.1715282	0.28702272	2.2761028	21	11 2.3	17.7
96357 1997 WE_{5}	16.6	X	342.19395	323.86761	212.91453	2.96644	0.0987470	0.30307840	2.1949909	21	—	—
96358 1997 WK_{5}	16.0	X	103.66993	168.19749	85.24338	3.15479	0.2147129	0.28672741	2.2776653	21	11 9.8	19.6
96359 1997 WP_{10}	17.5	X	258.00266	81.82228	27.77226	3.01555	0.1002100	0.28655016	2.2786045	21	10 20.7	20.1
96360 1997 WW_{10}	15.8	X	140.53453	37.69299	38.45501	5.39386	0.0169706	0.22865014	2.6486327	21	4 9.3	19.3
96361 1997 WG_{12}	15.7	X	16.31991	179.98815	344.45179	2.06453	0.1215880	0.25828145	2.4419714	21	2 5.1	17.9
96362 1997 WH_{13}	16.2	X	264.52637	138.16802	302.25312	5.33131	0.1497493	0.27942029	2.3172030	21	9 6.5	19.0
96363 1997 WD_{16}	16.1	X	122.48919	158.57027	213.15655	3.81990	0.1517470	0.30227549	2.1988761	21	—	—
96364 1997 WD_{18}	15.8	X	240.73444	97.42919	323.48299	3.10533	0.1061149	0.27939308	2.3173535	21	7 17.9	18.7
96365 1997 WY_{25}	15.7	X	130.51093	37.02993	80.91210	6.05328	0.1193316	0.26739191	2.3861837	21	5 31.9	19.0
96366 1997 WS_{37}	15.9	X	178.05352	27.40371	124.70813	3.24495	0.1668197	0.27908494	2.3190589	21	9 7.2	19.4
96367 1997 WK_{53}	16.0	X	198.95894	34.70186	56.06913	6.37181	0.1282816	0.27510486	2.3413726	21	7 9.2	19.5
96368 1997 XH_{2}	15.9	X	129.32464	92.17388	47.24493	2.96628	0.1480854	0.27116214	2.3640139	21	7 1.8	19.3
96369 1997 XM_{2}	15.7	X	349.85937	300.77340	66.62763	7.15064	0.2053006	0.28557602	2.2837833	21	11 10.9	17.3
96370 1997 XS_{5}	16.2	X	32.10005	338.79822	349.04922	5.84310	0.1989490	0.28765419	2.2727705	21	11 25.2	18.8
96371 1997 XC_{8}	16.2	X	170.26210	146.93843	296.59719	3.53662	0.1324805	0.26835413	2.3804763	21	5 29.4	19.7
96372 1997 YP_{4}	16.3	X	119.85223	174.43191	300.16007	3.48682	0.1920717	0.26556353	2.3971236	21	5 22.6	19.8
96373 1997 YH_{7}	15.3	X	321.56620	74.15489	327.77413	2.66512	0.1315125	0.28369274	2.2938793	21	10 26.2	17.2
96374 1997 YZ_{13}	15.8	X	253.24644	265.29616	117.82175	6.20954	0.1782685	0.27211679	2.3584816	21	6 2.3	19.3
96375 1997 YS_{17}	16.0	X	200.16466	144.02264	323.07115	2.86264	0.0716721	0.27411215	2.3470222	21	8 4.7	18.9
96376 1998 AY	16.1	X	143.48319	45.52436	96.55248	4.26274	0.2118271	0.26942533	2.3741624	21	7 24.3	20.0
96377 1998 AU_{6}	15.8	X	124.56011	82.14105	105.75363	13.24426	0.1442823	0.27196918	2.3593349	21	9 4.4	19.5
96378 1998 BA	15.6	X	347.73025	129.45793	284.47734	5.76681	0.2049981	0.28807115	2.2705768	21	—	—
96379 1998 BH	15.7	X	121.83027	18.79691	93.13358	7.47926	0.0576261	0.26594370	2.3948386	21	5 6.8	18.8
96380 1998 BG_{1}	16.3	X	302.81769	357.30892	80.26630	6.39240	0.1268903	0.28353261	2.2947429	21	11 16.2	18.3
96381 1998 BS_{5}	16.4	X	180.55005	112.07905	126.86847	5.96774	0.1281785	0.28451312	2.2894677	21	12 31.9	19.8
96382 1998 BW_{7}	16.6	X	232.58916	38.06998	53.22829	6.85427	0.1823325	0.27725393	2.3292579	21	8 13.1	20.1
96383 1998 BJ_{15}	15.4	X	256.00874	121.50691	278.49648	12.63709	0.1451190	0.27371533	2.3492901	21	7 1.8	18.6
96384 1998 BG_{17}	15.9	X	166.73906	129.99162	133.09616	6.01530	0.1340300	0.28423947	2.2909369	21	—	—
96385 1998 BC_{25}	15.0	X	248.07149	52.81726	349.16580	6.55471	0.1194076	0.27140204	2.3626205	21	6 28.9	18.3
96386 1998 BO_{41}	15.6	X	130.55493	244.43894	324.19157	10.89907	0.2079688	0.27467569	2.3438109	21	9 30.8	19.6
96387 1998 BW_{41}	15.9	X	226.81683	228.66376	174.10779	5.73871	0.1828795	0.27170508	2.3608635	21	5 31.9	19.6
96388 1998 BD_{42}	16.0	X	201.29204	89.69985	89.40357	6.86394	0.2152669	0.28074333	2.3099172	21	11 1.3	19.7
96389 1998 BA_{48}	15.1	X	264.13124	295.09754	317.56249	8.03859	0.1058954	0.21164318	2.7886876	21	1 13.1	19.3
96390 1998 CQ_{1}	15.6	X	42.15709	110.74423	48.18789	10.90732	0.1070807	0.25938666	2.4350299	21	3 22.5	18.2
96391 1998 CZ_{1}	14.3	X	162.52306	139.36240	94.79864	13.41917	0.1132383	0.23436731	2.6053817	21	12 2.2	18.3
96392 1998 DH	14.8	X	235.27131	328.73468	351.29837	7.92868	0.2060991	0.25888463	2.4381768	21	2 24.3	18.9
96393 1998 DF_{1}	16.2	X	157.33044	189.97237	223.83895	4.21576	0.0849952	0.26189867	2.4194344	21	4 2.2	19.6
96394 1998 DC_{12}	15.9	X	217.36587	292.14603	87.41821	2.33413	0.1991013	0.26230741	2.4169203	21	4 22.9	19.9
96395 1998 DF_{12}	16.2	X	182.91423	343.36290	114.04283	3.12458	0.1975327	0.26839137	2.3802561	21	6 30.4	20.1
96396 1998 DQ_{12}	15.9	X	125.99564	343.80095	152.29230	1.33092	0.1341962	0.26723306	2.3871292	21	6 21.9	19.3
96397 1998 DT_{13}	16.0	X	148.62339	110.77010	13.54357	2.59222	0.1549074	0.26606688	2.3940994	21	7 2.5	19.7
96398 1998 DX_{13}	16.4	X	49.80915	125.39977	27.18273	2.62424	0.1554447	0.25696959	2.4502753	21	3 26.5	18.7
96399 1998 DE_{15}	15.5	X	138.27394	254.27588	189.29228	2.45816	0.1108155	0.26180741	2.4199966	21	4 23.8	18.9
96400 1998 DK_{15}	15.8	X	219.93595	57.91793	49.89971	2.84882	0.1649581	0.27402940	2.3474946	21	8 21.7	19.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
96401 1998 DX_{15}	15.6	X	221.09400	352.65714	141.48666	23.85421	0.2449256	0.27638339	2.3341464	21	9 22.3	19.5
96402 1998 DE_{18}	16.0	X	341.10669	230.14629	24.42963	6.19648	0.0861926	0.25956139	2.4339369	21	4 18.8	18.5
96403 1998 DT_{22}	16.2	X	313.32925	345.48838	317.50525	6.19822	0.1165108	0.26628160	2.3928122	21	5 6.7	19.0
96404 1998 DB_{28}	16.4	X	276.07019	241.36682	224.11264	4.26203	0.1647506	0.28236738	2.3010517	21	11 1.1	18.7
96405 1998 ES	15.5	X	267.31308	227.21105	189.59239	5.00375	0.2223132	0.27484591	2.3428431	21	7 27.3	18.5
96406 1998 EW_{7}	16.2	X	113.62375	281.10386	198.37837	4.48561	0.1512395	0.26308994	2.4121254	21	5 18.3	19.4
96407 1998 EU_{8}	16.8	X	131.53087	176.96274	335.37692	1.00117	0.1095665	0.26704546	2.3882471	21	7 18.3	20.0
96408 1998 EV_{9}	16.1	X	174.10280	319.90237	164.54865	3.48542	0.1469037	0.26950961	2.3736675	21	7 27.1	19.7
96409 1998 EW_{10}	14.8	X	42.84120	261.98851	12.22832	12.86213	0.1762267	0.22636391	2.6664366	21	9 18.7	18.0
96410 1998 ER_{12}	16.2	X	225.42627	27.46140	127.68522	3.11338	0.1501449	0.27879300	2.3206776	21	11 1.4	19.4
96411 1998 EM_{13}	15.6	X	50.71878	42.39055	130.47100	4.40551	0.1482468	0.25952524	2.4341630	21	4 29.0	17.9
96412 1998 EC_{14}	15.5	X	151.77340	105.00410	19.99859	4.74507	0.1408571	0.26694871	2.3888241	21	7 6.2	19.1
96413 1998 ET_{14}	15.9	X	184.82057	208.37637	33.41010	4.21245	0.1608023	0.28145508	2.3060214	21	—	—
96414 1998 EZ_{19}	16.1	X	201.56027	160.77166	332.69909	6.01065	0.1109555	0.27442959	2.3452119	21	9 7.6	19.4
96415 1998 FX_{4}	16.3	X	216.30651	283.82266	168.06457	2.56450	0.1392474	0.27037947	2.3685737	21	7 27.5	19.7
96416 1998 FD_{5}	15.3	X	193.46688	186.94319	9.40713	24.17577	0.1551444	0.27717435	2.3297037	21	11 7.7	19.2
96417 1998 FK_{6}	15.9	X	129.03479	68.65078	54.20180	3.11528	0.1466694	0.26346295	2.4098482	21	6 8.5	19.3
96418 1998 FC_{11}	15.5	X	246.74187	171.50101	53.58790	13.98930	0.2147565	0.24151286	2.5537353	21	—	—
96419 1998 FN_{16}	15.4	X	227.51668	284.43121	156.24859	6.78262	0.1879582	0.27301154	2.3533257	21	7 19.8	19.0
96420 1998 FL_{18}	15.3	X	109.53569	313.90229	176.41610	2.02449	0.1437976	0.26352490	2.4094705	21	5 26.8	18.4
96421 1998 FJ_{30}	16.2	X	158.03575	282.25673	264.37516	1.44064	0.1629641	0.27345629	2.3507734	21	9 30.8	20.0
96422 1998 FO_{30}	15.9	X	64.82580	275.36615	232.05635	1.31884	0.1565106	0.25909518	2.4368558	21	4 15.6	18.4
96423 1998 FK_{31}	15.8	X	84.75642	158.46902	8.10398	12.47867	0.0971546	0.26302902	2.4124979	21	6 2.3	19.0
96424 1998 FX_{32}	15.7	X	28.58696	205.78888	6.78009	2.29056	0.1881763	0.26030188	2.4293188	21	5 16.1	17.4
96425 1998 FB_{35}	16.0	X	48.16839	8.88456	178.64073	3.16064	0.1749253	0.26029856	2.4293395	21	5 19.3	18.1
96426 1998 FE_{37}	16.0	X	85.14189	249.17287	253.43471	1.66611	0.1046437	0.26146530	2.4221071	21	5 3.2	18.9
96427 1998 FP_{42}	15.6	X	91.80833	293.89297	195.96890	6.56235	0.1700888	0.26041936	2.4285882	21	5 7.4	18.5
96428 1998 FB_{43}	16.1	X	166.82024	146.01876	345.11144	4.41177	0.1146201	0.26861806	2.3789167	21	7 29.9	19.6
96429 1998 FN_{52}	15.5	X	211.03365	187.54608	16.09624	4.89748	0.2224823	0.23793673	2.5792596	21	12 1.1	19.7
96430 1998 FL_{55}	15.9	X	121.68724	347.17627	165.91623	6.77013	0.0788874	0.26509586	2.3999420	21	7 3.3	19.3
96431 1998 FW_{57}	15.8	X	18.34680	283.55176	265.69103	1.54410	0.1314805	0.25629124	2.4545971	21	3 15.9	18.2
96432 1998 FY_{58}	15.8	X	231.37644	171.22673	16.91665	7.33038	0.1601639	0.23915543	2.5704898	21	12 10.9	19.5
96433 1998 FH_{59}	16.0	X	21.24373	239.32401	29.80606	6.72353	0.1066083	0.26494137	2.4008749	21	7 27.4	18.5
96434 1998 FR_{63}	15.6	X	130.94874	326.61770	142.70990	3.46658	0.1774789	0.26249137	2.4157910	21	5 27.7	19.1
96435 1998 FT_{63}	16.1	X	191.63291	51.69440	129.61617	2.90097	0.1548091	0.27624942	2.3349010	21	10 28.8	19.6
96436 1998 FS_{72}	15.6	X	15.02397	106.27430	68.82746	7.17086	0.0738404	0.25391914	2.4698605	21	2 26.1	18.5
96437 1998 FR_{77}	15.3	X	177.95409	8.32451	87.04598	4.00112	0.1807547	0.26584674	2.3954208	21	6 23.3	19.2
96438 1998 FQ_{78}	15.8	X	158.79788	94.88957	23.90060	21.68289	0.2932141	0.26728107	2.3868434	21	7 13.4	20.5
96439 1998 FB_{79}	14.8	X	15.02831	153.94385	153.97644	13.49777	0.1748166	0.22415564	2.6839203	21	9 16.4	17.5
96440 1998 FD_{79}	15.0	X	208.02722	110.84424	35.43503	16.91785	0.1040861	0.23127919	2.6285224	21	10 5.0	19.0
96441 1998 FL_{79}	15.8	X	76.74756	106.90073	149.52001	6.56874	0.0956994	0.26893014	2.3770760	21	10 2.6	18.9
96442 1998 FY_{90}	15.3	X	221.27967	295.15068	99.92449	6.33557	0.2032912	0.26578522	2.3957904	21	5 16.5	19.2
96443 1998 FA_{106}	15.4	X	80.78466	151.42877	298.80626	4.61062	0.1459402	0.25407930	2.4688225	21	2 17.5	18.0
96444 1998 FR_{106}	15.4	X	242.89503	147.59569	346.13296	8.61620	0.1331197	0.27755971	2.3275468	21	10 22.7	18.6
96445 1998 FM_{115}	15.4	X	166.59991	158.61751	350.04757	6.74986	0.1915552	0.26894050	2.3770149	21	8 22.7	19.3
96446 1998 FS_{122}	15.7	X	126.66203	66.89572	67.22050	3.58497	0.1218660	0.26362854	2.4088389	21	6 18.5	19.0
96447 1998 FH_{135}	16.2	X	82.86635	353.59888	242.69735	2.22898	0.1797022	0.26967799	2.3726793	21	9 21.1	19.5
96448 1998 FS_{135}	15.4	X	179.15030	193.59898	21.68244	12.31896	0.1052228	0.23575673	2.5951352	21	11 21.6	19.5
96449 1998 GA_{1}	15.5	X	308.51388	106.04169	68.64500	2.68602	0.0820197	0.24651505	2.5190711	21	—	—
96450 1998 GS_{6}	14.8	X	237.63795	101.47482	84.27390	13.18835	0.2082391	0.23970869	2.5665330	21	12 10.1	18.4
96451 1998 GW_{7}	15.0	X	80.91697	158.43191	78.12330	15.11773	0.1350822	0.22516480	2.6758949	21	9 19.2	19.1
96452 1998 GF_{9}	13.8	X	18.53108	291.89944	83.33405	15.21287	0.1391571	0.23432412	2.6057018	21	12 19.6	16.9
96453 1998 GP_{9}	14.4	X	271.21308	127.71357	70.79832	16.15867	0.0373840	0.24353358	2.5395893	21	—	—
96454 1998 HR	15.8	X	217.00828	62.68432	71.36848	5.27692	0.1280572	0.27329709	2.3516862	21	9 27.9	19.1
96455 1998 HQ_{21}	16.6	X	102.48160	211.61349	313.56349	1.56155	0.1443389	0.26390387	2.4071632	21	7 5.3	19.6
96456 1998 HS_{22}	15.1	X	169.52061	194.36778	29.72586	12.04140	0.1155438	0.23504207	2.6003929	21	11 22.6	19.1
96457 1998 HC_{24}	14.9	X	316.05806	22.53477	114.58548	4.05299	0.0938203	0.24075495	2.5590920	21	—	—
96458 1998 HV_{24}	15.7	X	328.97755	89.02609	65.39249	3.10243	0.0763934	0.24675772	2.5174192	21	—	—
96459 1998 HK_{34}	15.6	X	54.24919	117.70711	61.80807	2.89239	0.1519293	0.25929776	2.4355864	21	5 14.6	18.0
96460 1998 HJ_{36}	15.3	X	179.95198	194.28435	30.34832	9.86564	0.0789995	0.23591981	2.5939391	21	12 7.2	19.2
96461 1998 HS_{36}	16.6	X	127.79440	201.32722	27.41460	4.23983	0.2773645	0.27185960	2.3599688	21	10 29.9	20.8
96462 1998 HP_{44}	15.5	X	124.65723	150.15656	34.62755	3.39838	0.1411588	0.26742095	2.3860109	21	8 27.7	18.9
96463 1998 HW_{51}	15.7	X	135.60162	117.01366	53.07664	5.81659	0.1682845	0.26698773	2.3885913	21	8 22.5	19.5
96464 1998 HN_{54}	16.3	X	73.12576	206.07650	305.85543	3.08129	0.1468261	0.25853984	2.4403441	21	5 4.2	19.1
96465 1998 HX_{69}	16.2	X	86.34857	98.65373	75.48386	0.17101	0.1624136	0.26189014	2.4194869	21	6 29.4	19.2
96466 1998 HG_{72}	15.3	X	242.72004	128.15883	75.73482	4.85015	0.1654556	0.24041419	2.5615096	21	—	—
96467 1998 HE_{80}	15.9	X	26.37901	229.10563	6.82222	2.06656	0.1718951	0.26007957	2.4307030	21	6 18.4	17.8
96468 1998 HQ_{81}	16.0	X	100.17990	65.77880	140.51761	1.69491	0.1262643	0.26604543	2.3942280	21	8 26.1	19.1
96469 1998 HQ_{99}	14.8	X	148.81580	187.88420	49.51952	14.99801	0.1167025	0.23189418	2.6238731	21	11 19.6	18.9
96470 1998 HR_{102}	16.1	X	31.83913	274.70802	350.77984	1.45333	0.1732880	0.26195300	2.4190999	21	8 18.1	18.3
96471 1998 HM_{104}	14.9	X	203.53934	164.49048	94.35997	10.07470	0.0863855	0.24198277	2.5504281	21	—	—
96472 1998 HV_{107}	15.0	X	223.44483	69.78397	58.38188	9.88449	0.1457953	0.27357134	2.3501143	21	9 27.9	18.4
96473 1998 HG_{118}	15.0	X	35.06016	206.63614	79.03900	15.94944	0.0767347	0.22405433	2.6847292	21	9 13.4	18.8
96474 1998 HE_{119}	15.9	X	186.60801	112.73922	82.85751	7.72779	0.2021713	0.27583006	2.3372669	21	11 8.5	19.6
96475 1998 HL_{126}	15.2	X	75.18064	305.99856	225.06661	21.52318	0.2943745	0.25998657	2.4312826	21	6 27.2	18.7
96476 1998 HE_{127}	15.9	X	166.66873	179.35941	354.72824	5.65740	0.0921802	0.27169599	2.3609161	21	9 24.2	19.1
96477 1998 HA_{128}	16.3	X	150.39241	151.27688	4.51029	1.34692	0.1205933	0.26792212	2.3830345	21	8 13.9	19.9
96478 1998 HH_{129}	15.7	X	117.62283	105.39749	355.86331	6.03989	0.0865679	0.25871591	2.4392368	21	4 16.7	18.8
96479 1998 HS_{132}	15.8	X	269.57687	79.42258	72.42434	4.08635	0.1709057	0.28333863	2.2957901	21	12 28.2	17.9
96480 1998 HN_{139}	15.4	X	137.84288	245.64946	106.50101	6.12173	0.1894551	0.28705012	2.2759579	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
96481 1998 HX_{140}	15.8	X	94.69813	22.32177	177.69837	10.68135	0.1228885	0.26507424	2.4000725	21	8 7.7	19.1
96482 1998 HP_{144}	15.1	X	263.31619	135.83515	36.24632	5.96858	0.1883328	0.23998034	2.5645958	21	12 30.4	18.1
96483 1998 HS_{144}	15.3	X	221.92881	314.62371	221.02072	13.75471	0.0192058	0.23413098	2.6071346	21	12 3.4	18.8
96484 1998 HJ_{146}	14.6	X	198.34493	122.56265	43.14434	10.93548	0.1273332	0.27343798	2.3508784	21	10 18.6	18.0
96485 1998 HE_{147}	14.6	X	247.95598	49.33996	85.60891	13.76167	0.1237537	0.23348196	2.6119638	21	11 3.9	18.3
96486 1998 HZ_{148}	15.0	X	203.18257	336.98400	235.59775	12.27560	0.1218464	0.23480557	2.6021388	21	12 14.4	18.8
96487 1998 JU_{1}	14.1	X	220.84655	274.47336	208.55238	20.87567	0.3922593	0.27413921	2.3468677	21	8 17.3	18.8
96488 1998 JO_{3}	14.2	X	335.84516	24.30483	77.32935	15.41065	0.1154991	0.23790317	2.5795022	21	—	—
96489 1998 KN_{6}	15.0	X	226.16346	184.46813	82.67638	30.89879	0.1411380	0.24187523	2.5511840	21	—	—
96490 1998 KQ_{7}	15.4	X	94.87930	340.92481	214.09596	8.93381	0.1655260	0.26311577	2.4119675	21	8 5.6	18.9
96491 1998 KX_{7}	14.9	X	132.81383	125.77437	73.14654	12.57454	0.1431410	0.22513755	2.6761108	21	9 26.0	19.3
96492 1998 KL_{9}	15.6	X	298.76054	296.72023	215.08082	11.34150	0.2464717	0.24026665	2.5625581	21	—	—
96493 1998 KN_{10}	15.5	X	7.75103	152.74708	193.39465	14.30930	0.0568784	0.22647481	2.6655660	21	10 14.3	18.6
96494 1998 KE_{24}	15.7	X	215.73944	138.35409	58.13841	13.45316	0.1752013	0.23562623	2.5960933	21	12 1.6	19.7
96495 1998 KH_{28}	15.2	X	296.39613	181.13865	19.73992	2.89181	0.1045120	0.24468628	2.5316071	21	—	—
96496 1998 KT_{33}	15.9	X	36.76329	196.16786	68.65722	3.68585	0.1899887	0.26212203	2.4180598	21	8 31.1	18.3
96497 1998 KD_{37}	16.5	X	39.99354	16.34463	234.71303	1.40360	0.1851139	0.26128304	2.4232334	21	8 11.9	19.0
96498 1998 KJ_{40}	15.0	X	166.73463	180.98881	79.43265	16.01501	0.0852919	0.23475290	2.6025280	21	—	—
96499 1998 KE_{55}	15.8	X	33.55762	71.01767	156.13564	6.54322	0.1701687	0.25814604	2.4428253	21	6 20.2	18.1
96500 1998 KN_{57}	15.6	X	223.56614	115.36648	84.93097	3.30496	0.2022651	0.23733425	2.5836228	21	12 12.5	19.1
96501 1998 KU_{57}	15.9	X	112.55900	50.70939	168.28087	4.21276	0.0854365	0.26795090	2.3828639	21	9 22.9	19.2
96502 1998 KU_{58}	14.9	X	163.40493	95.62281	106.55071	18.01437	0.1431425	0.23115352	2.6294750	21	10 30.7	19.5
96503 1998 MC_{3}	15.6	X	314.52916	311.51593	174.19374	5.00514	0.2093558	0.23969201	2.5666521	21	—	—
96504 1998 ML_{15}	15.6	X	11.22194	75.80897	79.77567	4.60220	0.0288837	0.24741652	2.5129485	21	1 26.5	18.6
96505 1998 MH_{20}	15.0	X	223.19973	232.29486	71.44594	3.07603	0.2469863	0.24344962	2.5401731	21	1 27.2	19.4
96506 Oberösterreich	15.0	X	149.65314	165.29345	122.05277	16.15798	0.1656154	0.23156904	2.6263285	21	—	—
96507 1998 QX_{1}	14.5	X	227.05969	78.44798	307.13916	6.04464	0.3348516	0.20348795	2.8627071	21	5 2.5	19.9
96508 1998 QJ_{30}	15.8	X	239.00941	354.54145	227.55884	5.70337	0.1875550	0.23347282	2.6120320	21	—	—
96509 1998 QE_{41}	14.7	X	112.94831	341.53682	319.79160	4.73059	0.1559904	0.18244340	3.0788175	21	12 27.1	19.7
96510 1998 QL_{55}	14.7	X	23.37167	349.58480	17.14879	0.88223	0.1832377	0.17376775	3.1804600	21	12 7.9	18.7
96511 1998 QG_{57}	15.9	X	305.50934	33.91500	181.29626	4.84863	0.2041584	0.23813270	2.5778444	21	—	—
96512 1998 QE_{67}	15.0	X	334.33472	39.78306	288.34314	14.70867	0.2116716	0.21225767	2.7833028	21	7 13.8	17.7
96513 1998 QW_{83}	14.5	X	114.98833	62.10121	270.89486	13.13319	0.2130081	0.18528773	3.0472279	21	—	—
96514 1998 QC_{84}	14.2	X	96.50999	63.81387	282.46504	12.63646	0.2790420	0.18374994	3.0642057	21	—	—
96515 1998 QT_{85}	14.6	X	12.60778	105.45579	315.35885	14.60932	0.0625846	0.18224236	3.0810813	21	—	—
96516 1998 QU_{95}	14.6	X	137.59188	125.62269	209.51760	12.07168	0.1033850	0.18801828	3.0176532	21	—	—
96517 1998 QG_{99}	14.7	X	353.95760	11.36883	4.72734	7.07737	0.2018337	0.17317769	3.1876803	21	10 29.7	18.1
96518 1998 RO_{3}	16.2	X	218.66253	347.83382	350.50291	18.77166	0.0608455	0.37104370	1.9180180	21	2 20.9	18.4
96519 1998 RB_{5}	15.0	X	303.43403	50.39571	330.97793	2.57991	0.1711254	0.21178832	2.7874134	21	8 7.8	18.2
96520 1998 RH_{6}	15.1	X	65.73063	328.79049	32.06630	1.19457	0.1738892	0.18179229	3.0861645	21	—	—
96521 1998 RF_{9}	15.1	X	60.10714	271.19886	190.72591	0.21987	0.0492535	0.19398045	2.9554984	21	2 4.8	19.1
96522 1998 RK_{23}	14.9	X	83.35900	277.03823	42.48801	1.83713	0.1559710	0.18065052	3.0991546	21	12 20.2	19.7
96523 1998 RC_{26}	14.9	X	60.58208	172.90644	144.41483	9.89827	0.1649931	0.22130300	2.7069351	21	12 3.5	18.9
96524 1998 RY_{28}	15.1	X	321.04721	12.36660	7.45787	7.82025	0.1268884	0.21441192	2.7646284	21	9 13.1	18.1
96525 1998 RE_{37}	14.5	X	71.91257	119.54462	288.18843	5.14648	0.2158248	0.18607504	3.0386263	21	1 5.6	18.0
96526 1998 RU_{40}	15.1	X	81.75948	322.09137	84.69673	2.82060	0.2669392	0.18712605	3.0272379	21	1 28.6	18.6
96527 1998 RQ_{45}	14.2	X	6.32636	228.03063	178.58093	27.36391	0.1700131	0.17792241	3.1307540	21	12 30.1	18.6
96528 1998 RP_{49}	15.1	X	14.73288	300.17228	113.25520	2.26495	0.1709105	0.17989271	3.1078521	21	—	—
96529 1998 RR_{49}	14.9	X	312.93258	255.42202	53.71430	2.76222	0.0503786	0.20561667	2.8429147	21	5 31.5	18.6
96530 1998 RE_{54}	14.7	X	149.69601	266.90369	342.90046	10.82507	0.1622129	0.22311926	2.6922249	21	12 2.9	19.3
96531 1998 RL_{68}	15.0	X	192.02233	355.12616	359.91030	13.03236	0.1678675	0.19517761	2.9434007	21	3 9.3	19.8
96532 1998 RH_{69}	15.2	X	117.74723	36.59060	24.07946	1.01267	0.3073566	0.19177719	2.9780918	21	4 1.2	19.9
96533 1998 RH_{72}	15.1	X	131.26838	193.22886	134.24000	2.68111	0.1304414	0.18495475	3.0508842	21	—	—
96534 1998 RO_{79}	15.0	X	76.24565	343.87208	41.10933	6.34446	0.1411249	0.18362035	3.0656472	21	—	—
96535 1998 SC_{5}	15.8	X	101.15303	188.34083	249.07560	19.21445	0.0684400	0.36728989	1.9310643	21	1 17.5	17.8
96536 1998 SO_{10}	15.4	X	237.88119	22.43108	199.56402	41.43500	0.7782089	0.28306590	2.2972646	21	11 25.3	20.5
96537 1998 SF_{12}	15.5	X	186.15761	247.91818	129.17107	0.85596	0.0912055	0.19454842	2.9497435	21	3 27.0	19.8
96538 1998 SN_{24}	15.4	X	309.00023	256.77905	94.78928	3.78139	0.1211707	0.20974947	2.8054475	21	7 13.3	18.9
96539 1998 SW_{27}	14.6	X	15.86005	131.76012	283.15289	15.59985	0.1903906	0.17798421	3.1300292	21	—	—
96540 1998 SC_{29}	15.0	X	87.15090	330.29059	29.37782	6.39488	0.0832998	0.18229104	3.0805328	21	—	—
96541 1998 SR_{31}	15.1	X	126.72562	60.25312	227.25801	0.52213	0.1146060	0.18266834	3.0762894	21	12 21.6	20.0
96542 1998 SA_{44}	15.0	X	47.17112	330.09343	12.20380	1.69233	0.2022280	0.17718434	3.1394422	21	12 13.3	19.2
96543 1998 SE_{48}	15.0	X	320.32437	273.81390	18.40788	13.99226	0.0905775	0.20195866	2.8771404	21	5 10.4	18.8
96544 1998 SK_{52}	14.7	X	40.07763	331.41309	11.29532	0.04179	0.1670065	0.17591810	3.1544891	21	11 29.9	18.9
96545 1998 SQ_{53}	14.5	X	65.11107	22.67344	342.19382	12.96943	0.1831141	0.18093261	3.0959325	21	—	—
96546 1998 SO_{55}	15.2	X	292.74998	15.47419	357.22385	2.73632	0.0919467	0.20941400	2.8084427	21	7 22.7	18.9
96547 1998 SB_{57}	14.7	X	141.66647	279.11637	3.99497	16.30181	0.2322539	0.18380967	3.0635418	21	—	—
96548 1998 SX_{59}	14.4	X	73.65720	274.28215	57.31093	5.30896	0.2671898	0.17891029	3.1192188	21	—	—
96549 1998 SE_{63}	14.6	X	32.11928	137.70121	209.36408	8.60473	0.0877170	0.17544140	3.1602006	21	11 14.3	18.7
96550 1998 SH_{68}	15.0	X	244.70854	90.06334	289.98430	13.63117	0.1701556	0.20504309	2.8482140	21	5 21.0	19.7
96551 1998 SL_{100}	14.9	X	332.96020	352.99183	341.98660	7.61160	0.1236458	0.20949715	2.8076996	21	8 1.4	18.1
96552 1998 SE_{113}	14.1	X	109.63097	253.08142	52.17370	8.35934	0.2013617	0.18085390	3.0968307	21	12 30.9	19.4
96553 1998 SS_{114}	15.0	X	211.56649	300.34100	72.69604	3.14785	0.0939011	0.19893742	2.9061971	21	4 17.3	19.3
96554 1998 SD_{119}	14.3	X	12.75120	61.21640	15.99174	14.75890	0.1479802	0.18081629	3.0972601	21	—	—
96555 1998 SN_{121}	14.5	X	6.58120	118.99016	288.52296	3.70663	0.1371033	0.17656173	3.1468183	21	12 28.1	18.4
96556 1998 ST_{126}	14.4	X	121.11443	259.45539	42.89748	11.18538	0.1894838	0.18146985	3.0898192	21	—	—
96557 1998 SC_{127}	14.6	X	351.48509	260.57050	126.88999	6.21097	0.1469514	0.17284534	3.1917651	21	11 10.3	18.4
96558 1998 SP_{127}	15.7	X	88.30426	272.37547	153.24351	6.28630	0.0766231	0.27578307	2.3375324	21	1 11.8	18.3
96559 1998 SF_{129}	14.6	X	14.81647	79.21737	21.97022	21.46870	0.3008462	0.18179851	3.0860941	21	—	—
96560 1998 SF_{133}	15.0	X	343.66272	100.41349	301.30442	1.94233	0.1846873	0.17228343	3.1987015	21	11 12.9	18.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
96561 1998 SB_{135}	14.7	X	59.40053	263.37525	138.43111	3.23420	0.1638130	0.18251739	3.0779853	21	—	—
96562 1998 SZ_{138}	15.8	X	200.00005	53.78087	228.24358	4.99727	0.3019022	0.31959277	2.1187095	21	—	—
96563 1998 SB_{154}	15.6	X	30.16085	160.91268	137.52525	4.42421	0.0676971	0.21247987	2.7813620	21	9 13.1	19.0
96564 1998 SN_{156}	15.0	X	282.70694	316.64694	0.19701	1.98319	0.1586389	0.20196103	2.8771180	21	4 15.3	19.2
96565 1998 SB_{157}	15.4	X	17.19963	300.80677	25.52162	3.82233	0.0941282	0.21350160	2.7724813	21	10 3.7	18.6
96566 1998 TC_{2}	14.5	X	273.40161	118.13836	347.70075	4.50185	0.1229677	0.17187638	3.2037498	21	10 15.4	18.8
96567 1998 TE_{18}	14.4	X	27.66632	207.07943	223.06278	16.77490	0.1673630	0.18132275	3.0914900	21	—	—
96568 1998 TS_{19}	15.1	X	72.97525	217.55003	200.68507	1.38724	0.1869698	0.18536869	3.0463406	21	1 16.7	18.5
96569 1998 TO_{31}	14.8	X	358.73837	57.41529	19.00487	7.57582	0.2031345	0.17866200	3.1221080	21	—	—
96570 1998 TJ_{32}	14.5	X	34.45874	169.07778	235.50336	4.49235	0.1539010	0.17908768	3.1171587	21	—	—
96571 1998 UN_{11}	15.2	X	35.43468	273.55288	198.35725	4.10786	0.1581956	0.18527546	3.0473625	21	1 17.1	18.5
96572 1998 UN_{16}	13.6	X	25.19039	58.51368	53.16829	14.58664	0.1895182	0.18304105	3.0721120	21	—	—
96573 1998 UJ_{19}	15.9	X	284.51423	226.53720	29.65066	22.23955	0.0572403	0.36696207	1.9322142	21	1 20.7	18.7
96574 1998 UJ_{23}	14.3	X	58.87608	92.64039	291.10989	15.17630	0.2319739	0.17992377	3.1074944	21	—	—
96575 1998 UY_{28}	14.6	X	322.28509	305.05909	127.83786	6.47042	0.1302123	0.17245157	3.1966220	21	11 18.4	18.5
96576 1998 UH_{35}	14.4	X	289.83525	231.17390	220.70104	14.18156	0.0691437	0.17244720	3.1966759	21	10 28.4	18.7
96577 1998 UC_{42}	15.5	X	17.60548	246.72287	168.27566	3.55898	0.2203973	0.17803923	3.1293843	21	—	—
96578 1998 VT_{2}	15.0	X	210.92328	351.16576	43.48679	2.59937	0.0868986	0.19822618	2.9131446	21	5 12.5	19.4
96579 1998 VP_{7}	14.6	X	56.48588	23.64216	55.38554	11.35373	0.2077646	0.18565045	3.0432576	21	1 19.8	18.0
96580 1998 VY_{8}	14.3	X	79.50577	192.91003	229.67498	16.56780	0.1862742	0.18625433	3.0366761	21	1 26.5	18.4
96581 1998 VJ_{16}	14.3	X	80.38829	287.21849	57.60194	14.54456	0.2205212	0.17893408	3.1189423	21	—	—
96582 1998 VF_{25}	14.7	X	141.67472	308.64235	62.02910	5.20380	0.1656420	0.18822793	3.0154121	21	2 11.6	19.4
96583 1998 VG_{34}	14.7	X	165.85788	205.20675	108.72567	13.12712	0.2435467	0.18413735	3.0599063	21	1 3.6	19.9
96584 1998 VG_{53}	14.7	X	46.53542	92.26585	327.18067	8.98254	0.3023663	0.18180065	3.0860700	21	—	—
96585 1998 WY_{2}	15.2	X	44.67301	97.75539	64.35170	3.58317	0.1273552	0.19102405	2.9859144	21	4 9.2	18.6
96586 1998 WE_{14}	15.1	X	87.04905	309.55206	63.47316	2.98789	0.1811665	0.18073317	3.0982096	21	—	—
96587 1998 WK_{15}	14.8	X	40.82552	267.69074	136.62692	3.79836	0.2242539	0.17853917	3.1235398	21	—	—
96588 1998 WR_{20}	14.2	X	349.77362	344.13720	76.43284	11.71676	0.1953009	0.17406525	3.1768351	21	12 20.9	17.7
96589 1998 WW_{22}	15.0	X	23.29599	334.47990	88.16406	2.88997	0.1765914	0.17808983	3.1287916	21	—	—
96590 1998 XB	16.2	X	230.58511	202.71527	75.70763	13.60396	0.3511235	1.13939672	0.9078611	21	—	—
96591 1998 XY	14.9	X	77.98951	222.06264	149.45301	1.00338	0.1738347	0.17979520	3.1089756	21	—	—
96592 1998 XC_{1}	14.7	X	55.51574	309.35150	77.45700	3.24709	0.1296659	0.17844883	3.1245939	21	—	—
96593 1998 XO_{20}	14.4	X	91.43775	246.96678	113.78934	10.71288	0.2304215	0.17520219	3.1630764	21	—	—
96594 1998 XA_{22}	14.4	X	328.80921	174.35341	287.97390	5.14369	0.1100586	0.17090649	3.2158592	21	—	—
96595 1998 XQ_{23}	14.8	X	348.79398	189.37603	245.43695	4.27885	0.1584506	0.17507338	3.1646278	21	—	—
96596 1998 XW_{26}	15.3	X	335.58068	124.41801	59.33023	23.44643	0.0537874	0.35798450	1.9643848	21	—	—
96597 1998 XU_{28}	14.6	X	348.92339	336.32884	64.20344	3.05117	0.1545175	0.17085473	3.2165085	21	11 20.3	18.3
96598 1998 XS_{41}	14.3	X	85.60422	201.43894	291.74115	11.90573	0.1849298	0.18908426	3.0063011	21	5 6.7	18.6
96599 1998 XP_{49}	14.4	X	350.17775	169.21826	308.74617	15.80800	0.1654108	0.17605670	3.1528333	21	—	—
96600 1998 XH_{74}	14.2	X	57.96023	26.43298	55.88952	17.15820	0.1719805	0.18092749	3.0959909	21	1 26.3	18.1
96601 1998 XD_{78}	14.7	X	0.15902	335.20246	120.16184	14.14741	0.2994384	0.17763343	3.1341486	21	—	—
96602 1998 YF_{9}	15.0	X	294.95362	329.72965	121.72407	2.14978	0.1179448	0.17020007	3.2247513	21	10 29.9	19.2
96603 1998 YH_{12}	14.4	X	321.60922	185.39095	289.08110	19.47572	0.0570845	0.17190141	3.2034387	21	—	—
96604 1998 YG_{19}	14.4	X	63.95371	97.48380	301.36663	3.93399	0.1511440	0.17628736	3.1500825	21	—	—
96605 1999 AS_{10}	15.0	X	228.55743	123.43410	227.43188	1.15905	0.1030481	0.19791295	2.9162175	21	4 5.8	19.6
96606 1999 AH_{13}	15.1	X	324.55486	17.76345	147.14619	2.49634	0.0896757	0.17524273	3.1625886	21	—	—
96607 1999 AT_{30}	14.3	X	191.10133	337.17316	130.48636	10.51966	0.1317927	0.15370030	3.4515930	21	7 20.7	19.8
96608 1999 AO_{34}	13.8	X	349.11158	13.69869	145.42029	23.22370	0.0318234	0.17684361	3.1434735	21	1 15.8	18.4
96609 1999 AQ_{35}	13.8	X	338.77204	316.06750	142.88813	9.07893	0.1517117	0.12566303	3.9475809	21	—	—
96610 1999 BZ_{18}	14.1	X	92.33256	148.94357	307.18669	18.28047	0.1843096	0.18601008	3.0393338	21	3 22.4	18.6
96611 1999 BJ_{29}	16.2	X	202.87886	266.64501	321.98420	1.20397	0.1227121	0.29805787	2.2195707	21	—	—
96612 1999 CZ_{3}	15.5	X	239.30059	110.44202	142.34449	2.44534	0.0974434	0.30621907	2.1799568	21	—	—
96613 1999 CG_{5}	15.8	X	232.88918	195.47801	358.37816	3.67878	0.0422821	0.29972338	2.2113406	21	—	—
96614 1999 CL_{16}	14.2	X	14.35508	289.08004	150.84377	24.68266	0.2911769	0.17347255	3.1840671	21	—	—
96615 1999 CZ_{17}	14.2	X	337.92907	101.41757	341.46473	11.01475	0.1501628	0.17024608	3.2241703	21	12 25.7	18.1
96616 1999 CG_{20}	13.7	X	58.60132	1.26645	94.22893	18.26523	0.2234300	0.18073839	3.0981501	21	2 21.5	17.4
96617 1999 CC_{32}	14.4	X	58.18541	226.26614	22.96926	9.27728	0.2780755	0.28073918	2.3099400	21	9 27.5	17.3
96618 1999 CL_{102}	15.8	X	84.82098	182.52511	41.75883	4.88148	0.0974227	0.28127076	2.3070286	21	8 31.2	18.7
96619 1999 CA_{115}	15.9	X	187.00054	306.18586	277.50345	6.04569	0.0974466	0.29486038	2.2355880	21	12 24.7	18.7
96620 1999 CG_{116}	15.8	X	206.65850	256.20420	278.18056	4.04863	0.0519443	0.29209901	2.2496554	21	11 17.0	18.6
96621 1999 CV_{120}	14.4	X	344.35614	53.72103	57.35649	15.68998	0.1489705	0.17306249	3.1890947	21	—	—
96622 1999 DY	15.4	X	130.65491	212.99085	351.58331	6.54458	0.0614914	0.28320358	2.2965200	21	9 23.6	18.2
96623 Leani	16.0	X	336.95158	275.89493	23.98253	6.25466	0.1329074	0.27493569	2.3423330	21	6 12.6	18.3
96624 1999 EZ_{5}	16.1	X	4.29982	236.40150	10.97165	5.52017	0.1024306	0.27153088	2.3618731	21	5 15.6	18.5
96625 1999 FY_{1}	16.4	X	310.12276	349.78984	191.78316	0.81423	0.1316969	0.25993080	2.4316303	21	—	—
96626 1999 FQ_{9}	15.6	X	284.74492	77.35334	79.69511	2.59747	0.1372568	0.29815931	2.2190673	21	—	—
96627 1999 FW_{26}	15.9	X	282.88689	146.52577	47.14663	5.55596	0.0803180	0.30065864	2.2067523	21	—	—
96628 1999 FW_{27}	15.2	X	9.82914	241.25925	11.43066	3.98826	0.1184160	0.27282858	2.3543777	21	6 5.1	17.3
96629 1999 FA_{29}	15.3	X	283.83223	241.85486	24.21108	9.56501	0.2137898	0.26252670	2.4155743	21	2 2.5	19.2
96630 1999 FY_{30}	15.1	X	62.00369	214.95449	29.18597	5.74076	0.1427511	0.27772247	2.3266374	21	9 4.0	17.8
96631 1999 FP_{59}	18.1	X	276.52759	303.79188	19.67392	1.77141	0.2594339	0.44505628	1.6989976	21	3 13.2	20.2
96632 1999 GE_{1}	14.4	X	326.90269	268.49581	7.14600	13.42997	0.2037650	0.22589656	2.6701129	21	4 9.9	17.5
96633 1999 GZ_{1}	15.7	X	56.07086	51.29379	47.90213	7.41805	0.1111427	0.30620632	2.1800173	21	—	—
96634 1999 GF_{2}	15.6	X	20.71593	187.98315	57.26408	7.59707	0.0717008	0.27410423	2.3470674	21	6 12.8	18.1
96635 1999 GR_{4}	15.3	X	309.72586	196.91261	68.30815	7.24526	0.1108181	0.26579375	2.3957392	21	3 16.8	18.4
96636 1999 GG_{7}	15.6	X	64.94992	142.84364	80.29292	7.22699	0.1085950	0.27721733	2.3294629	21	8 1.6	18.3
96637 1999 GQ_{7}	15.7	X	312.10834	312.67548	161.97678	1.63143	0.0997469	0.29584661	2.2306169	21	—	—
96638 1999 GZ_{8}	16.0	X	144.27412	51.42158	154.71041	4.48816	0.1175730	0.28350332	2.2949010	21	10 15.5	19.3
96639 1999 GJ_{9}	15.3	X	303.32142	331.41136	282.52815	4.82119	0.2582459	0.26338961	2.4102955	21	1 28.1	18.7
96640 1999 GT_{18}	15.2	X	332.19229	168.25597	76.88063	1.79189	0.1646244	0.26678396	2.3898074	21	3 9.6	17.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
96641 1999 GG_{22}	15.4	X	158.64833	27.13379	177.72962	3.87777	0.1098014	0.28766835	2.2726959	21	10 28.8	18.6
96642 1999 GN_{25}	15.8	X	141.57820	205.73020	38.82697	6.02717	0.1332216	0.28870249	2.2672654	21	11 29.5	19.2
96643 1999 GY_{26}	16.1	X	233.65883	162.05315	76.63617	3.84779	0.1383529	0.25409391	2.4687278	21	—	—
96644 1999 GX_{30}	16.1	X	211.38022	208.06293	80.60962	5.04658	0.2181321	0.29959593	2.2119677	21	—	—
96645 1999 GB_{35}	15.9	X	77.63645	248.92409	324.43962	1.35223	0.1625529	0.27703909	2.3304620	21	8 13.1	18.8
96646 1999 GR_{35}	15.3	X	306.00009	0.49853	271.49451	1.97594	0.1502631	0.26626114	2.3929348	21	3 9.3	18.3
96647 1999 GX_{35}	16.4	X	158.84697	11.09037	218.55035	4.35236	0.1045140	0.28877850	2.2668676	21	11 29.9	19.6
96648 1999 GZ_{45}	15.9	X	352.28717	196.52671	74.63816	6.60333	0.1409227	0.27152440	2.3619107	21	5 29.2	17.8
96649 1999 GL_{59}	16.2	X	117.32837	173.32986	50.21206	7.48078	0.0560991	0.28387055	2.2929213	21	10 6.6	19.2
96650 1999 GX_{60}	16.0	X	166.94087	296.31930	207.88401	6.81705	0.0509588	0.28010811	2.3134081	21	8 13.2	19.3
96651 1999 GT_{62}	15.8	X	347.12813	188.92896	86.99897	8.93407	0.1540119	0.27282393	2.3544045	21	5 25.6	17.9
96652 1999 HA	16.3	X	185.47830	183.34852	11.63741	6.74686	0.0944215	0.28775154	2.2722578	21	11 12.3	19.4
96653 1999 HG_{9}	14.8	X	352.87696	34.83326	209.90865	5.77023	0.1176190	0.26931444	2.3748141	21	4 20.2	17.0
96654 1999 JM_{1}	15.9	X	17.83704	186.99740	57.25117	2.99437	0.1724164	0.27196813	2.3593409	21	6 11.6	17.6
96655 1999 JD_{2}	15.5	X	326.62650	191.28112	104.01306	5.56944	0.1398292	0.27127823	2.3633394	21	5 17.9	17.8
96656 1999 JJ_{2}	16.2	X	118.59663	78.67304	139.58522	4.22477	0.1646097	0.28213888	2.3022939	21	10 7.3	19.6
96657 1999 JY_{5}	14.8	X	45.94458	157.40338	85.74865	25.71306	0.1730721	0.27305836	2.3530567	21	8 17.1	17.9
96658 1999 JC_{6}	15.6	X	2.00409	54.02949	9.71549	7.15085	0.0254072	0.29183701	2.2510016	21	—	—
96659 1999 JO_{7}	15.6	X	335.32262	207.04772	135.48084	8.95141	0.2347205	0.27538070	2.3398089	21	8 12.2	16.9
96660 1999 JN_{9}	15.1	X	326.84307	285.38555	49.49248	8.24298	0.1457144	0.27630253	2.3346017	21	7 20.7	17.3
96661 1999 JT_{12}	14.7	X	351.50918	178.91073	81.26759	11.79488	0.1336879	0.26971466	2.3724643	21	5 13.6	17.0
96662 1999 JT_{13}	16.4	X	353.01271	81.09187	101.37220	6.09550	0.0726559	0.30502989	2.1856189	21	1 16.9	18.5
96663 1999 JZ_{14}	16.2	X	311.63390	74.81086	110.81349	7.17582	0.0977545	0.30064177	2.2068349	21	—	—
96664 1999 JG_{15}	15.1	X	311.18336	108.51551	226.69012	6.19012	0.1301267	0.27338600	2.3511763	21	6 20.7	17.6
96665 1999 JL_{22}	15.7	X	172.43645	163.44687	352.02637	3.51927	0.0773178	0.28070831	2.3101093	21	9 7.4	18.8
96666 1999 JH_{23}	15.9	X	301.65366	205.41086	61.71226	3.70951	0.1397191	0.26426366	2.4049779	21	3 2.3	19.0
96667 1999 JJ_{23}	15.3	X	299.02622	50.03281	210.29824	7.71008	0.1870022	0.26283709	2.4136721	21	2 7.3	18.8
96668 1999 JH_{24}	14.7	X	358.42413	281.91989	30.37708	6.87612	0.1497454	0.27568380	2.3380935	21	8 25.1	16.7
96669 1999 JS_{31}	16.1	X	345.78024	55.65079	174.61314	1.43327	0.1379772	0.26566501	2.3965131	21	3 14.3	18.6
96670 1999 JM_{32}	15.5	X	326.70401	169.19835	84.09938	3.64988	0.1394513	0.26545252	2.3977919	21	3 18.2	18.1
96671 1999 JD_{33}	15.7	X	266.69479	54.20981	217.53381	5.91877	0.1214330	0.25988230	2.4319329	21	1 26.6	19.3
96672 1999 JG_{36}	15.5	X	254.91582	328.50791	76.81379	7.51235	0.1011764	0.27571099	2.3379398	21	7 15.1	18.5
96673 1999 JO_{37}	15.5	X	72.31293	207.18201	349.42055	1.85986	0.1501949	0.27289310	2.3540066	21	7 9.9	18.1
96674 1999 JQ_{37}	15.3	X	22.82983	188.40733	31.18750	4.37706	0.1453544	0.26898769	2.3767369	21	5 10.6	17.2
96675 1999 JJ_{40}	15.9	X	293.76166	73.06959	180.90389	2.00520	0.1733873	0.26097330	2.4251503	21	1 28.7	19.3
96676 1999 JL_{40}	15.1	X	253.93524	209.17301	126.33349	2.11704	0.1985740	0.26434145	2.4045060	21	3 31.2	18.8
96677 1999 JR_{40}	15.7	X	331.80577	235.06319	80.53359	5.47982	0.1343214	0.27240834	2.3567985	21	6 28.4	17.7
96678 1999 JO_{41}	15.4	X	134.54975	123.52194	90.35326	5.12481	0.0594059	0.28185469	2.3038412	21	10 14.3	18.5
96679 1999 JW_{42}	15.8	X	245.87912	46.37372	237.98719	5.84440	0.2103575	0.30175593	2.2013994	21	1 12.8	19.5
96680 1999 JG_{43}	15.1	X	346.40862	198.31554	43.36543	7.41798	0.0736479	0.26655022	2.3912043	21	4 11.5	17.7
96681 1999 JZ_{46}	15.6	X	17.32726	335.21654	213.64902	5.24849	0.0527950	0.26434737	2.4044701	21	3 14.4	18.4
96682 1999 JQ_{48}	14.9	X	269.11587	318.53443	348.51932	2.31918	0.1687582	0.26278771	2.4139745	21	3 11.7	18.4
96683 1999 JO_{49}	15.4	X	352.27310	157.02813	67.28001	5.55089	0.1780593	0.26538876	2.3981759	21	3 15.1	17.7
96684 1999 JK_{50}	15.7	X	66.63459	130.39826	94.22339	7.23271	0.0876776	0.27440567	2.3453482	21	8 2.2	18.5
96685 1999 JQ_{50}	16.3	X	226.57316	157.29892	112.68029	4.81187	0.1502969	0.29832665	2.2182373	21	—	—
96686 1999 JP_{53}	14.9	X	275.46941	181.43024	202.62685	6.65476	0.1262965	0.27388440	2.3483231	21	7 6.9	17.9
96687 1999 JO_{64}	15.7	X	309.53664	25.57626	215.30748	0.49080	0.1470610	0.26089480	2.4256368	21	2 2.9	19.0
96688 1999 JY_{70}	15.8	X	319.67787	71.72546	162.86157	6.24008	0.0720111	0.26334938	2.4105410	21	2 18.4	18.7
96689 1999 JW_{71}	15.5	X	113.00203	125.82686	75.04133	6.25336	0.1069681	0.27845879	2.3225341	21	9 4.9	18.7
96690 1999 JA_{73}	15.9	X	225.49709	213.71296	91.31812	6.01891	0.1114159	0.25857033	2.4401523	21	1 30.0	19.5
96691 1999 JH_{73}	15.3	X	15.47383	140.26865	98.93807	6.49230	0.0419509	0.27045253	2.3681472	21	5 26.6	17.9
96692 1999 JJ_{73}	16.5	X	248.52802	172.65561	96.57828	6.22786	0.1699224	0.30130360	2.2036020	21	—	—
96693 1999 JO_{74}	15.4	X	120.24650	328.63676	188.26031	8.63844	0.0920952	0.22930814	2.6435634	21	7 7.6	19.3
96694 1999 JY_{74}	15.6	X	96.44922	172.52528	125.02183	14.48793	0.2669000	0.23890679	2.5722730	21	12 24.1	20.1
96695 1999 JJ_{76}	14.9	X	240.78432	205.64794	67.79574	7.11608	0.1035580	0.25623370	2.4549645	21	1 6.2	18.5
96696 1999 JG_{79}	15.1	X	32.13359	20.60681	185.73229	25.66238	0.1621767	0.26886379	2.3774670	21	5 14.6	17.7
96697 1999 JM_{79}	15.5	X	42.69204	337.11702	219.79583	4.57217	0.1124436	0.26891933	2.3771397	21	5 13.6	17.8
96698 1999 JA_{80}	15.4	X	120.57763	74.74571	92.79759	7.88763	0.0465427	0.27358507	2.3500356	21	7 19.5	18.3
96699 1999 JM_{93}	16.6	X	172.61083	137.15389	161.89521	6.84084	0.1419109	0.29492169	2.2352782	21	—	—
96700 1999 JP_{93}	15.1	X	267.71120	261.33227	156.08904	7.61110	0.0876184	0.27856639	2.3219360	21	8 21.0	17.9
96701 1999 JG_{105}	15.9	X	339.81726	238.11881	89.42184	8.37967	0.1396226	0.27495877	2.3422019	21	8 6.5	17.9
96702 1999 JT_{107}	16.0	X	272.14443	106.60545	181.32476	4.07256	0.1349024	0.26255985	2.4153710	21	2 21.2	19.5
96703 1999 JO_{111}	15.4	X	216.03100	298.19027	172.05450	5.51411	0.0927482	0.27913879	2.3187607	21	8 25.8	18.4
96704 1999 JQ_{111}	16.1	X	270.12557	58.44321	76.10150	10.93197	0.0085137	0.28853926	2.2681204	21	12 25.9	18.7
96705 1999 JB_{117}	15.8	X	27.19296	226.41596	7.39684	2.69188	0.1244352	0.27008510	2.3702944	21	6 11.3	18.0
96706 1999 JE_{119}	15.7	X	3.04268	186.33619	51.57098	1.88894	0.1526568	0.26757929	2.3850696	21	4 27.5	17.5
96707 1999 JQ_{119}	15.9	X	133.49185	186.59876	69.24928	7.90065	0.0874585	0.28542285	2.2846003	21	12 5.8	19.0
96708 1999 JU_{126}	15.7	X	274.30495	299.76562	359.82487	2.28187	0.1880262	0.26194231	2.4191657	21	3 6.1	19.4
96709 1999 JK_{127}	15.8	X	242.21273	52.25393	237.83717	5.67717	0.1091855	0.25728482	2.4482735	21	1 25.7	19.6
96710 1999 JN_{135}	16.3	X	282.97733	96.23061	144.06981	7.85970	0.1320552	0.30222521	2.1991200	21	—	—
96711 1999 JE_{138}	14.7	X	134.01126	50.62643	132.19107	11.71170	0.0597227	0.18961299	3.0007097	21	8 24.5	19.1
96712 1999 KH_{4}	16.3	X	125.61262	155.26883	63.63455	7.71178	0.1774611	0.28199556	2.3030739	21	10 16.7	19.9
96713 1999 KG_{5}	16.2	X	196.10588	237.95185	215.15066	2.01766	0.1272245	0.27505886	2.3416337	21	7 8.5	19.6
96714 1999 KH_{6}	15.6	X	287.04548	229.77234	85.68095	7.64879	0.1323381	0.26825306	2.3810742	21	4 20.2	18.8
96715 1999 KR_{7}	16.0	X	128.47022	177.97967	46.25818	8.45706	0.1963183	0.28416709	2.2913259	21	10 25.2	19.6
96716 1999 KD_{9}	15.5	X	0.17417	17.16808	243.62212	6.77866	0.0787688	0.27103799	2.3647357	21	5 31.7	17.9
96717 1999 KG_{9}	16.3	X	30.79222	57.47904	174.54210	2.57620	0.1407319	0.27148996	2.3621104	21	6 17.9	18.3
96718 1999 KU_{11}	15.6	X	51.39549	241.82688	302.62232	1.74177	0.1489234	0.26823577	2.3811765	21	5 14.7	17.9
96719 1999 KO_{17}	14.6	X	313.43168	247.97863	67.23991	13.79688	0.2205070	0.22400784	2.6851006	21	5 15.1	17.9
96720 1999 LP	14.5	X	78.92608	97.81539	119.71356	23.87890	0.2788492	0.27778384	2.3262947	21	9 12.1	18.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
96721 1999 *LT*	16.3	X	309.67268	118.51898	198.07126	24.12366	0.2099688	0.40083521	1.8217641	21	4 24.8	17.8
96722 1999 LO_4	15.7	X	115.12449	182.17947	98.11362	6.81906	0.2290188	0.28248657	2.3004043	21	12 21.3	19.6
96723 1999 LB_{16}	15.5	X	44.96551	132.42771	170.00365	14.05965	0.1841547	0.23176168	2.6248730	21	11 1.3	19.0
96724 1999 LY_{20}	14.9	X	22.87029	119.80660	78.77497	10.19663	0.1235158	0.26518677	2.3993935	21	4 13.9	17.3
96725 1999 LA_{30}	16.2	X	119.96640	94.83942	88.12240	3.36692	0.0084820	0.27564789	2.3382966	21	8 5.5	18.9
96726 1999 LA_{31}	16.1	X	4.72549	358.28127	146.59413	6.31636	0.0657208	0.25658984	2.4526923	21	—	—
96727 1999 LK_{31}	15.2	X	124.25974	167.86435	136.78474	23.82896	0.2212837	0.28600540	2.2814970	21	—	—
96728 1999 NF_7	15.0	X	10.17091	103.55256	279.46146	3.87636	0.2003381	0.23236120	2.6203560	21	12 26.2	17.8
96729 1999 NL_{21}	15.2	X	94.19151	299.37745	64.71829	5.56548	0.2323032	0.24168142	2.5525478	21	—	—
96730 1999 NL_{23}	15.3	X	36.93716	201.81176	125.24550	5.97178	0.2241011	0.23164299	2.6257696	21	11 26.8	18.7
96731 1999 NP_{27}	15.9	X	206.41598	18.52483	336.39920	1.28270	0.2020484	0.25491722	2.4634095	21	3 13.8	20.0
96732 1999 NQ_{27}	15.5	X	51.93852	19.44789	315.60537	2.01778	0.1997314	0.23409102	2.6074313	21	12 20.6	19.2
96733 1999 NO_{28}	15.9	X	172.20073	310.65305	317.37666	6.73795	0.1634549	0.28804540	2.2707122	21	—	—
96734 1999 NR_{42}	15.7	X	109.93241	300.06693	333.69341	5.07712	0.2064387	0.28053446	2.3110636	21	12 7.5	19.5
96735 1999 NV_{43}	15.0	X	42.43166	190.75602	111.72004	16.75966	0.2954761	0.23160831	2.6260316	21	11 17.6	18.8
96736 1999 NA_{48}	14.7	X	138.39252	101.00479	272.05808	12.71380	0.2055068	0.24857960	2.5051038	21	1 31.5	18.5
96737 1999 NJ_{48}	15.2	X	47.93396	43.83094	257.28970	10.79900	0.1856549	0.23077650	2.6323381	21	10 28.6	18.8
96738 1999 NQ_{55}	15.0	X	66.93399	111.71575	205.84669	12.12356	0.2112259	0.23295347	2.6159128	21	12 16.0	19.1
96739 1999 NE_{56}	15.0	X	38.62765	106.36827	269.78269	12.21477	0.1938397	0.23407620	2.6075414	21	—	—
96740 1999 NW_{56}	14.8	X	347.50806	114.55424	275.97082	11.12862	0.1837311	0.22854458	2.6494482	21	11 19.4	17.5
96741 1999 NY_{59}	15.0	X	43.68803	223.05663	183.78312	12.44238	0.1758041	0.24027718	2.5624832	21	—	—
96742 1999 *ON*	15.1	X	57.24889	77.01624	334.41638	4.84560	0.2812025	0.24081187	2.5586887	21	—	—
96743 1999 OC_3	14.7	X	89.77831	25.51321	318.60148	17.66152	0.2311672	0.23432157	2.6057207	21	—	—
96744 1999 OW_3	14.7	X	155.95408	35.69202	196.12843	34.93941	0.7799298	0.32580965	2.0916712	21	11 18.3	20.3
96745 1999 *PB*	15.8	X	232.28782	339.49776	327.58266	3.68980	0.1844887	0.25321463	2.4744396	21	2 6.5	19.7
96746 1999 PK_8	15.7	X	142.54506	36.20367	249.51092	6.25708	0.1879619	0.24050485	2.5608658	21	—	—
96747 Crespodasilva	14.6	X	42.92663	58.31454	344.53113	13.16653	0.2029340	0.23619976	2.5918891	21	—	—
96748 1999 RE_4	14.9	X	56.95346	166.07842	164.63134	14.01507	0.1796431	0.23339300	2.6126275	21	12 18.9	18.9
96749 1999 RF_4	15.8	X	140.40979	23.01124	315.81692	13.67636	0.2612378	0.24389796	2.5370592	21	1 4.6	19.7
96750 1999 RK_8	15.1	X	201.81286	87.94745	339.95528	7.27885	0.0748772	0.26043621	2.4284834	21	6 12.3	18.7
96751 1999 RY_{12}	15.3	X	12.80340	68.17079	300.11423	4.10175	0.1809407	0.22971086	2.6404728	21	12 6.4	18.2
96752 1999 RO_{16}	16.1	X	36.30580	61.13394	346.09319	4.23447	0.1828716	0.23594095	2.5937841	21	—	—
96753 1999 RB_{17}	15.3	X	25.89375	64.71731	337.52945	21.69960	0.1142080	0.23463636	2.6033896	21	—	—
96754 1999 RF_{18}	15.7	X	307.68985	41.16211	322.52450	1.12842	0.1000839	0.22080533	2.7110011	21	7 31.6	19.0
96755 1999 RJ_{19}	15.0	X	75.28944	290.13899	338.30993	13.19410	0.0779410	0.22642284	2.6659739	21	10 2.1	18.9
96756 1999 RD_{20}	14.7	X	56.60910	62.07858	337.59064	10.77630	0.1942356	0.23698198	2.5861825	21	—	—
96757 1999 RG_{20}	15.6	X	165.33145	347.57759	328.82558	5.37727	0.2410124	0.24378645	2.5378328	21	—	—
96758 1999 RM_{21}	15.4	X	292.17661	213.98339	151.74773	5.43018	0.1285666	0.21849595	2.7300700	21	7 5.5	18.8
96759 1999 RE_{22}	15.6	X	61.60839	260.60832	154.04300	4.59204	0.1126895	0.23964590	2.5669814	21	—	—
96760 1999 RL_{23}	15.1	X	202.75010	28.73190	28.30116	4.93281	0.1349867	0.21237450	2.7822820	21	5 29.4	19.5
96761 1999 RZ_{25}	15.7	X	23.31307	23.72879	25.29780	3.69410	0.2051876	0.23294845	2.6159503	21	—	—
96762 1999 RW_{28}	15.1	X	134.03981	337.68320	343.69273	21.95153	0.0233543	0.23984166	2.5655844	21	—	—
96763 1999 RG_{30}	14.7	X	133.69594	351.05162	328.96884	21.50575	0.0505371	0.23891985	2.5721792	21	—	—
96764 1999 RY_{32}	15.6	X	103.85922	105.84120	298.63804	8.24431	0.1127062	0.24440236	2.5335674	21	1 20.1	18.6
96765 1999 RS_{34}	14.5	X	78.21848	134.87217	33.46430	12.87201	0.0647507	0.20937226	2.8088160	21	5 24.2	18.4
96766 1999 RA_{35}	15.2	X	110.18481	48.35849	285.71850	12.04601	0.2090476	0.23928528	2.5695598	21	—	—
96767 1999 RP_{40}	14.8	X	280.03103	287.71901	164.39195	22.14143	0.0387728	0.22815736	2.6524450	21	11 2.2	18.7
96768 1999 RH_{50}	15.6	X	2.87429	355.57445	304.91231	4.06481	0.2308320	0.26894668	2.3769785	21	8 15.9	16.8
96769 1999 RC_{51}	15.0	X	111.73061	173.27022	148.98329	16.04255	0.1992699	0.23926556	2.5697010	21	—	—
96770 1999 RF_{54}	15.0	X	347.17257	7.91552	348.37129	8.25846	0.2809060	0.22586896	2.6703305	21	10 1.2	16.8
96771 1999 RP_{56}	15.4	X	71.68828	307.98722	334.72282	10.89318	0.1582140	0.23010131	2.6374850	21	10 27.5	19.4
96772 1999 RL_{57}	15.8	X	57.45931	44.91520	16.15555	5.92932	0.0825711	0.24002472	2.5642798	21	—	—
96773 1999 RJ_{60}	15.4	X	40.27895	259.27832	130.07829	1.03660	0.1842321	0.23619418	2.5919300	21	—	—
96774 1999 RG_{68}	15.5	X	225.20562	202.18443	169.14445	6.23928	0.0667403	0.21211533	2.7845478	21	4 30.8	19.6
96775 1999 RL_{73}	15.1	X	70.74005	55.08939	329.41155	11.05478	0.2953878	0.23688131	2.5869152	21	—	—
96776 1999 RM_{78}	15.8	X	35.95477	295.88690	128.14570	1.79926	0.1821125	0.23804817	2.5784545	21	—	—
96777 1999 RB_{80}	16.1	X	177.50062	190.37303	149.81156	3.08911	0.0918217	0.24717118	2.5146111	21	1 23.9	19.8
96778 1999 RT_{81}	15.3	X	68.21735	62.87535	337.02120	9.07992	0.2282645	0.23830066	2.5766329	21	—	—
96779 1999 RX_{82}	15.7	X	2.21812	89.47418	197.21110	1.41563	0.1739184	0.22006594	2.7170700	21	7 15.6	18.1
96780 1999 RE_{83}	16.1	X	85.03867	254.28287	3.40738	2.03811	0.1836797	0.27274175	2.3548774	21	10 22.9	19.6
96781 1999 RM_{86}	16.3	X	62.47448	151.15821	126.09466	4.34483	0.2012474	0.27210272	2.3585629	21	10 28.2	19.4
96782 1999 RM_{95}	13.3	X	89.38939	175.64825	12.85860	18.15557	0.1027749	0.16963220	3.2319442	21	7 18.5	18.3
96783 1999 RS_{97}	14.6	X	244.05038	134.72121	2.43941	15.19479	0.0594060	0.22802998	2.6534327	21	10 30.4	18.4
96784 1999 RP_{101}	15.0	X	321.55480	113.57554	279.05958	11.20500	0.1497909	0.22580219	2.6708569	21	9 23.2	18.1
96785 1999 RL_{102}	14.5	X	65.30327	83.54560	311.01613	11.30450	0.1658699	0.23907328	2.5710786	21	—	—
96786 1999 RN_{103}	15.1	X	36.33905	63.48417	318.15479	12.51241	0.1693298	0.23368381	2.6104596	21	—	—
96787 1999 RX_{104}	15.1	X	151.16506	37.73529	307.05041	12.64343	0.1924448	0.24468131	2.5316414	21	1 13.9	18.9
96788 1999 RU_{105}	14.5	X	40.93412	114.18996	284.93555	12.99060	0.0950151	0.23576894	2.5950455	21	—	—
96789 1999 RB_{107}	15.4	X	263.84704	54.42290	11.40620	9.05620	0.1689707	0.22010146	2.7167777	21	8 15.3	19.2
96790 1999 RW_{109}	15.4	X	335.55803	63.33812	318.55444	13.04250	0.1690874	0.22409547	2.6844006	21	10 3.9	18.3
96791 1999 RL_{110}	14.8	X	279.97925	117.66587	291.83575	12.02392	0.1746005	0.21910099	2.7250417	21	8 7.3	18.4
96792 1999 RO_{110}	14.3	X	219.22445	223.22999	310.06740	11.32955	0.1380987	0.22728643	2.6592166	21	11 6.3	18.5
96793 1999 RV_{110}	14.2	X	173.07351	340.74226	341.66357	14.17462	0.0634377	0.24158129	2.5532530	21	—	—
96794 1999 RP_{120}	14.8	X	6.31730	24.67000	320.45068	13.23844	0.2530443	0.22755176	2.6571491	21	10 25.9	17.6
96795 1999 RY_{123}	14.8	X	319.94756	5.88253	301.46564	13.54156	0.0856465	0.21575230	2.7531662	21	6 2.6	18.5
96796 1999 RQ_{124}	15.3	X	13.02035	40.71214	318.47056	12.24812	0.1682231	0.22770602	2.6559488	21	11 18.6	18.6
96797 1999 RT_{124}	15.1	X	47.14403	91.59215	166.55206	15.03931	0.1086172	0.22221474	2.6995257	21	8 18.1	18.5
96798 1999 RH_{127}	16.2	X	73.10082	60.99009	317.40575	16.99116	0.2505127	0.23795721	2.5791116	21	—	—
96799 1999 RQ_{127}	15.6	X	129.35339	50.61137	237.22533	3.64492	0.2096031	0.23839580	2.5759473	21	—	—
96800 1999 RY_{127}	16.1	X	27.39184	208.51628	174.54980	5.21293	0.1837144	0.27869428	2.3212256	21	—	—

ELEMENTS AND OPPOSITION DATES IN 2021

ECLIPTIC AND EQUINOX 2000.0, EPOCH 2021 JULY 5.0 TT

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
96801 1999 RC_{131}	15.0	X	82.38426	337.75582	308.31295	12.89745	0.1449158	0.23144032	2.6273022	21	11 12.0	19.1
96802 1999 RC_{134}	15.7	X	27.94769	327.93223	304.51526	7.63763	0.2220553	0.26877910	2.3779664	21	8 27.3	17.8
96803 1999 RH_{134}	15.5	X	333.10188	65.66658	297.84870	7.79430	0.0865797	0.22478576	2.6789022	21	9 9.1	18.8
96804 1999 RD_{137}	15.1	X	23.81751	36.18091	326.96668	10.07096	0.0803485	0.23158573	2.6262023	21	11 30.5	18.7
96805 1999 RR_{138}	15.2	X	98.97764	91.25819	309.78735	14.46584	0.1325062	0.24250877	2.5467389	21	1 13.6	18.3
96806 1999 RU_{142}	15.5	X	278.66365	240.06485	118.66338	5.32305	0.1247210	0.21612151	2.7500297	21	6 8.8	19.2
96807 1999 RK_{143}	15.8	X	131.98587	213.63331	162.14686	3.15534	0.1979610	0.24382677	2.5375530	21	1 31.3	19.3
96808 1999 RS_{148}	16.1	X	75.14550	330.97904	310.86339	1.36363	0.2132185	0.27558343	2.3386612	21	11 16.2	19.5
96809 1999 RV_{150}	15.3	X	160.92837	279.07645	26.91218	2.58647	0.1666878	0.24308453	2.5427159	21	—	—
96810 1999 RZ_{156}	15.5	X	303.28334	143.23166	221.12789	1.75983	0.0910466	0.22067247	2.7120891	21	7 26.1	18.7
96811 1999 RM_{157}	15.3	X	41.62057	327.70146	95.64780	3.40998	0.1949743	0.23872635	2.5735689	21	—	—
96812 1999 RZ_{161}	15.5	X	97.42859	60.20324	242.02701	6.77287	0.1942510	0.23464674	2.6033128	21	12 24.3	19.7
96813 1999 RP_{163}	15.0	X	121.34531	81.63345	191.80927	5.25627	0.2623345	0.28051132	2.3111908	21	12 18.3	19.1
96814 1999 RS_{163}	16.0	X	118.82317	81.51587	258.35161	1.68545	0.2295454	0.24015321	2.5633650	21	—	—
96815 1999 RN_{164}	15.6	X	161.77151	14.34059	335.08203	11.50725	0.1951525	0.24617384	2.5213983	21	1 31.1	19.5
96816 1999 RZ_{164}	14.7	X	323.45108	103.12342	336.17768	14.41139	0.0902368	0.23138979	2.6276847	21	12 10.9	18.1
96817 1999 RK_{166}	15.1	X	182.15916	41.54754	8.34680	6.43731	0.1302079	0.25542694	2.4601311	21	4 26.9	18.8
96818 1999 RW_{171}	16.0	X	71.79995	250.37924	148.35791	5.73920	0.2313107	0.23886710	2.5725579	21	—	—
96819 1999 RS_{175}	15.7	X	7.65313	62.39895	328.23020	5.29420	0.1618115	0.23046480	2.6347110	21	12 26.3	18.7
96820 1999 RY_{176}	15.8	X	192.81668	131.23161	191.37501	4.12878	0.0825461	0.24682437	2.5169660	21	1 17.4	19.4
96821 1999 RU_{180}	16.1	X	46.94329	203.89227	102.29526	3.25078	0.2036046	0.27328055	2.3517811	21	11 16.1	19.0
96822 1999 RY_{180}	13.5	X	18.52722	311.81706	359.13932	16.63620	0.2210439	0.17993993	3.1073083	21	9 24.5	16.7
96823 1999 RK_{181}	14.8	X	171.20619	74.45665	9.27028	5.73034	0.1199812	0.25725421	2.4484678	21	5 29.9	18.5
96824 1999 RA_{182}	15.8	X	278.30024	32.57142	348.40609	9.86930	0.0406749	0.26400416	2.4065536	21	7 25.2	18.8
96825 1999 RA_{185}	15.1	X	349.14501	175.48573	147.48415	13.85481	0.0845087	0.22131203	2.7068615	21	8 12.7	18.3
96826 1999 RQ_{185}	15.7	X	282.02109	178.50658	204.30333	1.60850	0.0939220	0.21965037	2.7204960	21	7 19.9	19.2
96827 1999 RE_{186}	15.7	X	61.67420	258.67003	151.15790	8.04833	0.1848273	0.23947073	2.5682330	21	—	—
96828 1999 RT_{187}	15.2	X	291.01958	303.37470	163.80798	13.98453	0.2291348	0.22898242	2.6460697	21	11 12.7	18.2
96829 1999 RW_{187}	15.8	X	50.82527	255.18467	199.36830	3.71629	0.1016579	0.24366648	2.5386657	21	1 2.1	18.6
96830 1999 RW_{189}	15.9	X	89.81999	359.31791	42.19549	5.43292	0.1071748	0.24286316	2.5442608	21	—	—
96831 1999 RU_{194}	14.9	X	305.42609	88.31241	240.78166	11.87490	0.1516804	0.21839029	2.7309505	21	6 1.2	18.3
96832 1999 RE_{195}	15.2	X	87.37532	66.95205	297.96610	12.30943	0.2065065	0.23857307	2.5746712	21	—	—
96833 1999 RL_{195}	14.8	X	332.93464	24.48533	289.34753	14.26297	0.2059021	0.22010110	2.7167807	21	6 20.5	17.6
96834 1999 RG_{199}	14.8	X	7.65179	39.05528	354.32874	12.97538	0.2659314	0.22871703	2.6481163	21	—	—
96835 1999 RZ_{199}	15.0	X	358.18269	114.52911	262.27268	11.51648	0.1595227	0.22765598	2.6563380	21	11 18.5	17.9
96836 1999 RU_{200}	15.2	X	54.52361	1.18441	328.30273	14.33053	0.1854661	0.23051976	2.6342922	21	12 13.9	19.2
96837 1999 RC_{202}	15.3	X	315.52804	114.05339	292.59769	10.41359	0.1855813	0.22418963	2.6836489	21	9 28.5	18.3
96838 1999 RQ_{202}	15.0	X	301.66974	41.85290	309.94902	8.23224	0.1713744	0.21797698	2.7344016	21	6 24.4	18.5
96839 1999 RW_{202}	15.2	X	308.70508	124.95812	310.08372	11.29064	0.1657191	0.22697328	2.6616620	21	10 30.2	18.3
96840 1999 RQ_{203}	14.9	X	278.25810	192.73692	276.91523	12.23147	0.1078329	0.22813423	2.6526243	21	11 5.4	18.4
96841 1999 RP_{205}	15.0	X	29.68911	180.57896	208.86894	16.93791	0.1785246	0.23205502	2.6226605	21	—	—
96842 1999 RH_{208}	14.8	X	19.83844	107.12092	318.69220	12.70353	0.2225804	0.23340635	2.6125279	21	—	—
96843 1999 RN_{209}	15.2	X	25.49943	226.83328	247.07711	12.23207	0.0972130	0.24085211	2.5584037	21	—	—
96844 1999 RO_{209}	14.8	X	345.22447	122.14600	325.42279	14.49296	0.0380637	0.23318479	2.6141825	21	—	—
96845 1999 RU_{209}	15.5	X	359.56396	110.01751	318.57398	10.80226	0.1729262	0.23141751	2.6274749	21	—	—
96846 1999 RC_{211}	13.9	X	41.27694	96.27668	337.83177	10.54829	0.1757153	0.23698491	2.5861611	21	—	—
96847 1999 RS_{211}	15.0	X	249.33248	87.81170	297.77501	7.18037	0.2250186	0.21331679	2.7740824	21	5 27.9	19.5
96848 1999 RL_{221}	15.0	X	103.49563	184.31206	147.48460	10.28374	0.2422988	0.23724695	2.5842565	21	—	—
96849 1999 RC_{224}	15.5	X	137.44164	265.14279	19.23117	9.42089	0.1984876	0.23806570	2.5783280	21	—	—
96850 1999 RR_{225}	15.6	X	202.92812	274.87613	166.48621	1.46861	0.1378832	0.21455510	2.7633984	21	6 29.9	19.9
96851 1999 RE_{229}	14.9	X	31.56007	18.22864	269.28947	15.85223	0.2124016	0.22566335	2.6719522	21	9 11.5	18.3
96852 1999 RW_{235}	15.5	X	181.41701	196.83484	106.94997	9.67237	0.2062445	0.24424953	2.5346241	21	—	—
96853 1999 RQ_{236}	15.0	X	278.40101	337.53350	66.77001	8.27243	0.2306325	0.21932544	2.7231823	21	7 24.7	18.8
96854 1999 RD_{238}	15.3	X	333.51357	13.04598	54.79616	12.63636	0.1696483	0.22859461	2.6490616	21	12 14.0	17.9
96855 1999 RK_{238}	15.8	X	43.07017	355.46146	57.57151	8.85743	0.1401778	0.23593045	2.5938611	21	—	—
96856 1999 RX_{238}	15.0	X	275.78063	56.83568	32.21432	14.65067	0.0782462	0.22477283	2.6790049	21	10 14.6	18.3
96857 1999 RQ_{242}	14.8	X	249.36329	286.70202	99.37562	5.68777	0.1280459	0.21540866	2.7560935	21	6 8.8	18.8
96858 1999 SY_{1}	14.5	X	308.47393	102.40570	277.83337	15.03291	0.1870562	0.22190040	2.7020746	21	8 7.0	17.7
96859 1999 SE_{2}	14.1	X	330.83970	73.67049	323.88703	25.72462	0.3064297	0.22516574	2.6758874	21	9 29.6	16.7
96860 1999 SG_{2}	14.4	X	134.15209	112.05792	51.18589	9.45650	0.0979646	0.25947811	2.4344577	21	8 7.7	18.0
96861 1999 SC_{6}	14.9	X	24.16718	346.51305	33.08275	12.36087	0.1301274	0.23193619	2.6235562	21	—	—
96862 1999 SE_{7}	14.9	X	39.94787	236.15708	47.11043	7.69163	0.2934318	0.22710436	2.6606376	21	10 15.3	18.1
96863 1999 SE_{8}	15.1	X	68.87691	284.02485	70.35960	6.61356	0.1428854	0.23574458	2.5952243	21	—	—
96864 1999 SK_{9}	14.4	X	16.67024	334.64198	91.08120	13.44315	0.2339964	0.23511334	2.5998674	21	—	—
96865 1999 SA_{10}	14.9	X	347.84936	2.89762	44.82045	14.81891	0.2420297	0.22771159	2.6559056	21	12 21.9	17.5
96866 1999 SV_{12}	14.2	X	0.05899	337.64032	93.30734	16.86925	0.2972418	0.23159468	2.6261347	21	—	—
96867 1999 SA_{13}	14.7	X	49.56272	243.66990	74.91278	15.68597	0.0966588	0.22776199	2.6555137	21	11 14.5	18.3
96868 1999 SH_{15}	15.4	X	9.10932	155.08534	266.89372	13.38515	0.1475594	0.23424976	2.6062532	21	—	—
96869 1999 SD_{19}	14.5	X	147.45176	350.23655	97.67464	10.78809	0.0675989	0.20888377	2.8131934	21	5 12.8	18.7
96870 1999 SB_{21}	15.6	X	23.46842	224.21378	350.75402	11.36304	0.1114442	0.25813251	2.4429106	21	4 29.8	18.3
96871 1999 ST_{21}	14.9	X	243.11352	205.31604	239.90703	13.49692	0.0327195	0.22254753	2.6968339	21	8 24.2	18.9
96872 1999 TC_{2}	14.5	X	333.82193	272.32299	87.00406	13.71346	0.2112587	0.22231425	2.6987201	21	9 9.6	17.2
96873 1999 TH_{4}	14.3	X	14.72374	167.71896	314.47706	14.19613	0.0972608	0.24157992	2.5532627	21	—	—
96874 1999 TF_{8}	15.1	X	323.84936	48.63993	303.32218	7.83326	0.2357223	0.21976328	2.7195641	21	7 24.6	17.8
96875 1999 TE_{10}	15.8	X	15.98552	171.13121	270.33149	2.74836	0.1877131	0.23626908	2.5913821	21	—	—
96876 Andreamanna	15.1	X	272.70889	85.01072	161.71082	4.67120	0.0103271	0.24257265	2.5462918	21	1 17.2	18.4
96877 1999 TF_{13}	14.4	X	290.77484	113.33192	52.58732	15.64290	0.0542812	0.23204382	2.6227449	21	—	—
96878 1999 TE_{16}	14.9	X	293.37137	73.73916	15.71022	12.65844	0.2421379	0.22415185	2.6839505	21	10 14.5	17.5
96879 1999 TG_{16}	15.7	X	270.56497	200.51895	210.33471	2.68998	0.1767615	0.21800062	2.7342039	21	7 28.9	19.4
96880 1999 TD_{18}	15.7	X	190.77870	240.81784	75.21115	4.25936	0.1763131	0.24444151	2.5332968	21	1 14.2	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
96881 1999 TD_{21}	14.9	X	289.65358	34.40983	349.80589	8.85242	0.2386126	0.21751953	2.7382339	21	7 11.7	18.6
96882 1999 TQ_{23}	15.9	X	256.96361	189.63430	69.43691	3.26300	0.1044535	0.24595230	2.5229121	21	1 6.7	19.5
96883 1999 TA_{24}	15.8	X	305.32644	125.10259	35.56313	3.76208	0.0383962	0.23828895	2.5767174	21	—	—
96884 1999 TP_{25}	15.5	X	102.73179	57.02287	11.89164	4.96378	0.0244818	0.24481127	2.5307453	21	2 8.7	18.7
96885 1999 TK_{26}	15.5	X	18.83031	132.20169	332.36387	1.22226	0.0834118	0.23734540	2.5835419	21	—	—
96886 1999 TT_{26}	16.0	X	29.00958	319.59958	17.51892	3.38154	0.2341427	0.22647840	2.6655379	21	11 27.3	19.2
96887 1999 TB_{32}	15.2	X	26.95114	17.49905	13.43823	12.73061	0.1215358	0.23119080	2.6291923	21	—	—
96888 1999 TH_{34}	15.6	X	133.74615	251.01015	70.62346	2.84164	0.1378114	0.23865891	2.5740538	21	—	—
96889 1999 TQ_{35}	14.5	X	301.57319	322.97381	7.94443	18.49714	0.2237840	0.21576152	2.7530878	21	5 10.0	18.4
96890 1999 TE_{36}	14.7	X	197.33907	28.30139	26.73104	6.91976	0.1254689	0.25666408	2.4522194	21	5 19.2	18.4
96891 1999 TC_{37}	14.1	X	211.08421	131.00926	53.46704	14.00713	0.0898066	0.22728723	2.6592104	21	11 20.4	18.0
96892 1999 TY_{38}	15.3	X	99.14230	19.98483	247.34790	9.46901	0.0543305	0.22644935	2.6657658	21	10 30.1	19.2
96893 1999 TM_{39}	15.2	X	22.07692	343.61716	109.91339	7.24348	0.0945501	0.23609986	2.5926202	21	—	—
96894 1999 TV_{40}	15.1	X	176.70430	280.05915	95.54763	3.50603	0.0778079	0.20419137	2.8561288	21	3 15.2	19.4
96895 1999 TY_{40}	15.2	X	265.61750	6.68172	49.51323	5.96275	0.1574653	0.21879940	2.7275453	21	8 4.8	19.0
96896 1999 TM_{43}	15.9	X	182.92136	211.47419	238.77998	0.81237	0.0429881	0.21504620	2.7591895	21	6 21.8	19.8
96897 1999 TJ_{56}	15.4	X	154.53293	210.14062	27.07415	4.07547	0.1609630	0.22866646	2.6485067	21	11 24.2	19.6
96898 1999 TV_{58}	15.3	X	79.10686	305.28676	144.14372	2.50803	0.0704159	0.19655526	2.9296311	21	2 16.9	19.0
96899 1999 TB_{59}	14.6	X	273.86584	53.99089	124.23975	2.92077	0.1090249	0.18624480	3.0367796	21	—	—
96900 1999 TC_{69}	15.8	X	211.07674	193.87550	294.93339	1.53073	0.1566712	0.26377630	2.4079393	21	9 7.3	19.4
96901 1999 TM_{70}	15.1	X	320.54463	280.17448	22.56124	4.60777	0.0492567	0.21203410	2.7852589	21	6 2.1	18.8
96902 1999 TH_{81}	15.6	X	36.86995	194.94938	69.97862	5.81039	0.0715166	0.21397779	2.7683665	21	8 9.9	19.1
96903 1999 TJ_{83}	15.1	X	82.45364	38.49156	184.86829	11.16197	0.1238024	0.17328139	3.1864084	21	8 18.7	19.8
96904 1999 TN_{95}	14.3	X	292.62349	315.59409	58.10624	8.32444	0.0853291	0.21806287	2.7336835	21	7 26.6	17.9
96905 1999 TT_{95}	15.0	X	273.77764	302.35229	63.27376	5.12963	0.1061619	0.21507487	2.7589443	21	6 13.7	18.9
96906 1999 TJ_{98}	14.7	X	113.03741	310.25833	71.69412	11.38398	0.1305412	0.19603000	2.9348620	21	1 18.4	18.8
96907 1999 TC_{99}	14.9	X	231.31401	232.44153	165.89559	12.84365	0.1398055	0.21244553	2.7816617	21	6 5.5	19.4
96908 1999 TP_{99}	15.0	X	12.61705	320.52929	53.45256	11.70311	0.1686198	0.22787869	2.6546070	21	12 10.6	18.1
96909 1999 TC_{101}	15.0	X	30.40514	290.49201	63.85094	13.29251	0.1880269	0.22845710	2.6501245	21	12 14.6	18.3
96910 1999 TX_{102}	14.2	X	295.48858	336.84977	147.62831	14.08405	0.1246191	0.22993912	2.6387250	21	12 25.3	17.4
96911 1999 TY_{102}	15.2	X	332.64191	246.19071	166.99953	14.24354	0.1959292	0.22578009	2.6710312	21	11 25.4	18.0
96912 1999 TB_{103}	14.7	X	190.09768	252.94695	118.85620	11.55831	0.1658011	0.20350373	2.8625591	21	3 29.6	19.6
96913 1999 TO_{103}	15.5	X	67.79339	53.30925	349.85911	8.35950	0.0487556	0.23811375	2.5779811	21	—	—
96914 1999 TP_{103}	16.3	X	53.68211	84.00519	309.17913	3.48658	0.2147191	0.23464429	2.6033310	21	—	—
96915 1999 TC_{105}	16.1	X	59.00984	64.18789	332.95642	4.83167	0.0297240	0.28176512	2.3043294	21	—	—
96916 1999 TL_{107}	15.5	X	64.66827	310.30976	286.86510	6.48432	0.0560719	0.26548525	2.3975948	21	8 8.8	18.4
96917 1999 TD_{113}	15.6	X	98.52719	56.09550	300.47113	3.99620	0.2672359	0.23785461	2.5798532	21	—	—
96918 1999 TJ_{113}	15.2	X	68.99521	163.68373	354.11830	14.85981	0.0931627	0.25312956	2.4749939	21	4 22.6	18.4
96919 1999 TU_{113}	15.2	X	281.73132	79.84262	356.66339	10.94970	0.1713079	0.22265178	2.6959920	21	9 19.5	18.5
96920 1999 TD_{116}	15.5	X	198.11414	76.19736	329.83257	2.76083	0.0967664	0.21001861	2.8030501	21	5 11.6	19.8
96921 1999 TN_{117}	15.2	X	137.92523	203.48825	274.30195	3.28090	0.0395088	0.25670015	2.4519897	21	5 31.7	18.4
96922 1999 TO_{118}	15.3	X	105.41493	15.15386	4.60774	14.67910	0.1059961	0.24037289	2.5618030	21	—	—
96923 1999 TM_{121}	15.0	X	73.47357	303.76641	135.04928	3.34086	0.0865238	0.24281950	2.5445658	21	1 17.2	17.7
96924 1999 TV_{122}	16.0	X	298.03290	53.46565	18.48308	7.03942	0.2446207	0.22282007	2.6946343	21	9 29.6	18.8
96925 1999 TX_{125}	15.4	X	267.11302	181.97788	225.38220	6.38576	0.0997351	0.21824172	2.7321898	21	7 30.1	19.2
96926 1999 TD_{126}	16.2	X	11.57290	31.65013	14.64259	3.16911	0.2035911	0.23086751	2.6316462	21	—	—
96927 1999 TX_{126}	15.4	X	341.10252	340.98830	4.40519	2.29536	0.0373668	0.22050726	2.7134435	21	9 2.0	18.9
96928 1999 TU_{128}	15.3	X	224.61076	205.53441	212.19937	3.44071	0.0727567	0.21691871	2.7432878	21	6 26.8	19.2
96929 1999 TW_{128}	15.8	X	346.80816	141.77923	310.70168	2.50118	0.1669159	0.23421842	2.6064858	21	—	—
96930 1999 TD_{129}	15.8	X	352.19540	333.36120	337.27985	2.03497	0.0324870	0.21923182	2.7239575	21	8 1.3	19.3
96931 1999 TR_{129}	15.9	X	356.33549	172.27657	297.92594	1.22735	0.1130657	0.23805686	2.5783918	21	—	—
96932 1999 TG_{130}	15.6	X	325.23259	117.59351	350.32489	5.76744	0.1863387	0.23275867	2.6173721	21	—	—
96933 1999 TV_{130}	16.2	X	85.06933	42.71607	338.15029	2.44543	0.0456186	0.23889296	2.5723723	21	—	—
96934 1999 TC_{132}	16.1	X	45.04186	296.51678	2.74451	6.24207	0.1388700	0.27051325	2.3677928	21	10 21.9	19.0
96935 1999 TJ_{135}	15.4	X	14.37597	254.17040	2.53742	4.59343	0.1260190	0.21470926	2.7620754	21	6 23.9	18.5
96936 1999 TW_{140}	14.9	X	158.68144	126.09639	15.77905	5.08585	0.0958519	0.21337344	2.7735914	21	8 3.2	19.2
96937 1999 TY_{140}	15.2	X	311.57781	180.24900	21.99895	6.00046	0.0773004	0.24151641	2.5537103	21	1 1.4	18.7
96938 1999 TQ_{146}	15.0	X	328.99755	342.06319	23.51896	6.60585	0.0630449	0.22152635	2.7051154	21	9 12.6	18.4
96939 1999 TW_{146}	15.7	X	284.90451	183.04814	171.25873	7.51021	0.1261213	0.26071962	2.4267232	21	6 9.7	18.9
96940 1999 TX_{149}	15.1	X	200.34029	251.28045	112.28222	3.36034	0.0895463	0.20515884	2.8471426	21	3 25.2	19.5
96941 1999 TF_{153}	14.7	X	120.54436	57.04346	72.63882	5.19559	0.0798618	0.20984785	2.8045705	21	6 1.9	18.7
96942 1999 TQ_{154}	15.9	X	123.34018	276.57868	83.73901	3.61754	0.1484899	0.23971063	2.5665192	21	—	—
96943 1999 TE_{157}	14.8	X	96.54191	6.88715	197.70086	9.48672	0.0621789	0.21836246	2.7311826	21	8 5.0	18.7
96944 1999 TK_{161}	16.2	X	119.64325	105.76267	249.39735	2.11846	0.0594104	0.23960568	2.5672686	21	—	—
96945 1999 TB_{163}	15.1	X	143.91800	351.14709	72.83315	3.06706	0.0122544	0.20481110	2.8503644	21	3 31.5	19.0
96946 1999 TT_{163}	14.9	X	131.91859	149.65016	102.19231	13.43886	0.1278786	0.22595714	2.6696357	21	11 24.5	19.2
96947 1999 TD_{167}	15.2	X	164.34518	326.21202	233.42628	7.91079	0.0780406	0.22580639	2.6708238	21	10 19.1	19.2
96948 1999 TB_{168}	15.0	X	53.42091	236.08366	238.25729	4.26154	0.1239238	0.24498797	2.5295283	21	2 2.7	17.7
96949 1999 TG_{170}	15.2	X	126.73011	189.20641	1.85782	4.89799	0.0960527	0.21784466	2.7355087	21	8 31.2	19.3
96950 1999 TU_{171}	16.2	X	344.95835	245.56319	150.99670	2.69874	0.2072659	0.22551998	2.6730846	21	11 26.4	18.5
96951 1999 TC_{173}	15.6	X	343.90371	120.99046	345.25178	4.25269	0.0790529	0.23406621	2.6076156	21	—	—
96952 1999 TP_{174}	15.0	X	302.06818	200.44027	81.66629	5.86506	0.0899504	0.25176109	2.4839546	21	4 2.6	18.2
96953 1999 TY_{175}	15.7	X	277.00723	1.40823	1.27765	3.72844	0.0853244	0.21320549	2.7750477	21	6 17.3	19.4
96954 1999 TU_{176}	14.3	X	314.78206	171.56158	31.35998	28.22026	0.1473337	0.24141301	2.5544394	21	—	—
96955 1999 TP_{177}	15.1	X	132.07215	326.61016	80.00910	3.36269	0.0834987	0.19897618	2.9058196	21	3 5.3	19.3
96956 1999 TS_{183}	15.3	X	157.39826	13.84721	290.68593	14.84691	0.1247793	0.23959212	2.5673655	21	—	—
96957 1999 TZ_{183}	15.1	X	11.58885	71.01900	295.89287	13.73321	0.1373315	0.22748111	2.6576992	21	11 24.1	18.4
96958 1999 TM_{184}	15.0	X	77.95355	37.11041	322.32310	13.26317	0.2146491	0.23498499	2.6008140	21	—	—
96959 1999 TT_{184}	14.8	X	12.02421	119.56186	312.01750	12.89221	0.1609963	0.23327612	2.6135001	21	—	—
96960 1999 TV_{184}	15.1	X	356.57085	42.54177	286.93534	13.38073	0.1241157	0.22114312	2.7082397	21	8 29.1	18.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
96961 1999 TZ_{184}	15.2	X	55.41951	31.43272	326.69225	14.48111	0.1075622	0.23158007	2.6262451	21	—	—
96962 1999 TK_{185}	14.8	X	299.18626	20.34888	274.29430	7.03426	0.1971808	0.21078298	2.7962695	21	3 28.2	18.8
96963 1999 TR_{186}	14.5	X	323.20120	192.59468	269.97008	12.70135	0.1331203	0.23053024	2.6342123	21	—	—
96964 1999 TF_{187}	14.4	X	279.57742	231.37531	261.34376	11.36891	0.1230693	0.22889069	2.6467767	21	12 9.5	17.5
96965 1999 TC_{188}	15.1	X	58.49478	52.42574	342.43363	12.91852	0.1707518	0.23490156	2.6014298	21	—	—
96966 1999 TG_{188}	15.0	X	68.19182	355.79369	346.05798	13.92906	0.2594907	0.23206064	2.6226181	21	—	—
96967 1999 TG_{189}	14.5	X	345.02181	91.50664	347.10881	12.46124	0.0813263	0.23037669	2.6353827	21	—	—
96968 1999 TP_{189}	14.9	X	199.12543	157.57392	293.99909	7.62763	0.1177847	0.21292816	2.7774568	21	7 10.2	19.2
96969 1999 TE_{190}	14.5	X	330.28384	63.35022	312.06161	8.99658	0.1006776	0.22131537	2.7068343	21	9 19.5	17.8
96970 1999 TO_{192}	15.2	X	77.69579	88.04499	274.08939	7.21937	0.0522205	0.23315090	2.6144358	21	—	—
96971 1999 TB_{193}	14.9	X	220.94795	119.20503	338.20245	8.10635	0.2547097	0.21381590	2.7697637	21	7 31.6	19.6
96972 1999 TE_{193}	14.3	X	181.08026	317.31402	253.49457	15.64448	0.0599574	0.18117844	3.0931314	21	11 14.9	19.0
96973 1999 TN_{193}	14.6	X	176.36441	245.95247	8.30507	13.37219	0.1196238	0.23231457	2.6207067	21	—	—
96974 1999 TL_{194}	15.3	X	283.23086	129.92956	286.18593	7.54714	0.1504470	0.21877709	2.7277307	21	8 24.5	18.8
96975 1999 TA_{197}	15.0	X	357.83098	106.92206	20.92088	14.58502	0.1315336	0.23555422	2.5966224	21	—	—
96976 1999 TG_{197}	14.9	X	233.34638	22.06078	20.54718	6.15456	0.0185032	0.21075223	2.7965415	21	6 23.4	18.9
96977 1999 TH_{197}	14.5	X	254.77566	111.71638	9.66090	12.82010	0.0598860	0.22271904	2.6954492	21	10 25.3	18.1
96978 1999 TW_{197}	14.6	X	338.90817	133.68286	21.71265	13.81548	0.1156415	0.23625305	2.5914994	21	—	—
96979 1999 TZ_{197}	15.1	X	184.28559	302.12502	21.16954	15.56063	0.0746146	0.24072739	2.5592873	21	1 14.0	19.1
96980 1999 TM_{198}	14.9	X	238.84385	221.89177	37.78400	15.93159	0.0690950	0.23851235	2.5751081	21	—	—
96981 1999 TB_{201}	15.4	X	339.46188	218.91906	176.83037	11.79403	0.1859480	0.22936097	2.6431575	21	11 14.8	18.0
96982 1999 TA_{209}	14.9	X	325.84864	37.87716	309.04890	14.83393	0.2061444	0.21895848	2.7262240	21	7 26.3	17.4
96983 1999 TH_{210}	15.2	X	38.35171	37.74468	320.30127	10.66541	0.2746313	0.22802646	2.6534600	21	—	—
96984 1999 TT_{211}	15.1	X	177.23345	235.99106	104.61919	4.25547	0.0156046	0.24311925	2.5424738	21	1 18.7	18.3
96985 1999 TT_{212}	15.1	X	183.54327	144.71237	349.30066	5.69496	0.1968912	0.21528579	2.7571420	21	8 16.7	19.7
96986 1999 TK_{213}	14.6	X	56.34196	18.38903	201.53839	16.21239	0.0486266	0.21526161	2.7573485	21	6 30.4	18.6
96987 1999 TS_{213}	15.4	X	306.74222	93.35551	20.60597	10.02848	0.0970679	0.23110298	2.6298583	21	—	—
96988 1999 TP_{214}	15.7	X	58.98535	143.84043	186.27490	3.74164	0.1625538	0.22937966	2.6430139	21	12 16.9	19.4
96989 1999 TA_{215}	14.8	X	171.22600	331.74702	75.72626	3.19708	0.0652738	0.20579595	2.8412634	21	4 16.3	18.9
96990 1999 TQ_{215}	15.4	X	279.98839	340.62421	117.10155	2.99133	0.2084121	0.22325531	2.6911311	21	10 11.4	18.7
96991 1999 TW_{216}	15.3	X	279.15641	103.21578	235.40630	5.60076	0.1309168	0.21151158	2.7898442	21	5 12.4	19.2
96992 1999 TM_{217}	16.3	X	234.89762	177.31221	160.40951	2.90885	0.1434970	0.29663164	2.2266796	21	3 15.2	19.6
96993 1999 TW_{219}	14.8	X	354.55918	134.10261	345.11243	13.09616	0.1183370	0.23736942	2.5833676	21	—	—
96994 1999 TB_{220}	15.0	X	41.52604	2.86676	238.06399	8.15592	0.0817766	0.21570139	2.7535993	21	7 12.1	18.5
96995 1999 TH_{220}	15.3	X	33.47625	69.85794	8.56105	15.53717	0.0319807	0.23772526	2.5807890	21	—	—
96996 1999 TY_{220}	14.9	X	306.86723	46.85690	262.00148	6.75983	0.2083562	0.21517969	2.7580483	21	4 25.5	18.7
96997 1999 TF_{225}	16.7	X	359.60615	256.25001	189.92183	4.17518	0.1802562	0.23519277	2.5992821	21	—	—
96998 1999 TX_{225}	15.8	X	155.40562	213.30115	352.02713	1.83927	0.1607947	0.26787467	2.3833159	21	10 21.7	19.6
96999 1999 TB_{230}	15.2	X	218.59758	194.24224	244.50412	8.08051	0.1381813	0.21527507	2.7572336	21	7 10.9	19.6
97000 1999 TB_{233}	14.8	X	48.74849	313.58123	116.09565	15.31844	0.0857006	0.23591491	2.5939750	21	—	—
97001 1999 TW_{238}	15.2	X	214.89985	3.33656	79.72739	6.12405	0.1338525	0.21437796	2.7649204	21	7 14.9	19.6
97002 1999 TX_{240}	15.3	X	197.20600	328.58398	95.12164	7.06332	0.0243620	0.21082292	2.7959163	21	6 5.3	19.1
97003 1999 TZ_{240}	15.5	X	278.03385	184.04845	163.07783	6.88171	0.0566311	0.21199107	2.7856358	21	6 3.5	19.4
97004 1999 TS_{241}	14.8	X	254.53814	45.87146	66.42685	11.20244	0.1347254	0.22213202	2.7001959	21	10 10.8	18.6
97005 1999 TT_{243}	15.1	X	165.98616	145.27486	230.89839	1.19505	0.0149406	0.20124597	2.8839292	21	2 25.4	19.0
97006 1999 TS_{246}	15.8	X	266.15021	147.81233	204.33581	3.35951	0.0622291	0.21407441	2.7675334	21	5 24.1	19.7
97007 1999 TU_{250}	15.4	X	3.57878	211.66560	248.74555	8.02049	0.0810861	0.23699239	2.5861067	21	—	—
97008 1999 TX_{251}	15.2	X	356.47967	11.76235	44.37173	13.86814	0.1408391	0.23032455	2.6357804	21	—	—
97009 1999 TN_{253}	16.0	X	196.78458	57.79022	349.79766	1.42079	0.1159988	0.21105307	2.7938834	21	5 12.4	20.4
97010 1999 TK_{256}	15.3	X	357.69116	85.66076	189.11296	5.89149	0.0264012	0.21554407	2.7549391	21	6 20.4	18.9
97011 1999 TS_{256}	15.7	X	10.50775	238.35389	185.49642	2.41421	0.0874120	0.23398936	2.6081865	21	—	—
97012 1999 TC_{260}	16.0	X	273.72424	4.78267	348.38867	2.17393	0.1980948	0.21262530	2.7800936	21	5 15.1	20.2
97013 1999 TJ_{260}	15.6	X	27.41256	297.19612	36.45206	0.43728	0.1812474	0.17980420	3.1088719	21	11 3.5	19.3
97014 1999 TV_{260}	15.1	X	39.56114	355.17989	22.82596	13.79380	0.1766891	0.23030103	2.6359599	21	—	—
97015 1999 TR_{262}	14.5	X	358.57882	138.41679	279.69583	14.30426	0.1294628	0.23036721	2.6354550	21	—	—
97016 1999 TS_{262}	14.1	X	53.98114	33.43300	327.18259	14.72111	0.1464114	0.23092183	2.6312335	21	—	—
97017 1999 TJ_{263}	15.5	X	250.57819	16.52586	212.28148	3.58452	0.1181172	0.23885260	2.5726620	21	—	—
97018 1999 TB_{271}	15.2	X	346.88665	330.50296	331.24476	7.14221	0.1424423	0.26220064	2.4175765	21	7 8.5	17.4
97019 1999 TW_{274}	16.1	X	8.79646	108.69372	321.79029	3.71851	0.1554765	0.23495651	2.6010242	21	—	—
97020 1999 TX_{278}	14.4	X	117.92758	34.20617	50.02847	16.68169	0.0526967	0.19964150	2.8993601	21	4 5.6	18.7
97021 1999 TJ_{279}	14.6	X	207.33574	267.66693	281.91184	14.13132	0.0378371	0.22798434	2.6537869	21	11 28.3	18.4
97022 1999 TT_{279}	14.7	X	341.77991	185.32219	128.90141	1.76318	0.1655466	0.17434604	3.1734232	21	7 12.9	18.3
97023 1999 TZ_{280}	15.4	X	25.39862	229.74210	162.89929	13.88227	0.1724396	0.23216610	2.6218238	21	—	—
97024 1999 TS_{283}	15.2	X	351.59545	293.03348	182.10756	9.30770	0.1330234	0.23442981	2.6049186	21	—	—
97025 1999 TK_{284}	15.2	X	344.19435	26.06269	63.93631	14.56980	0.1394387	0.23047188	2.6346570	21	—	—
97026 1999 TF_{287}	15.6	X	13.84232	58.40214	251.73567	4.34061	0.0537209	0.22063374	2.7124064	21	8 31.3	19.1
97027 1999 TJ_{289}	15.4	X	23.28148	314.76561	116.22504	4.82961	0.1014231	0.23341322	2.6124766	21	—	—
97028 1999 TA_{292}	15.1	X	249.55631	241.14662	265.87578	4.09801	0.1320574	0.22630230	2.6669205	21	11 12.9	18.5
97029 1999 TT_{323}	15.0	X	14.10210	47.41780	295.39756	12.03229	0.1597801	0.22422664	2.6833536	21	10 24.8	18.3
97030 1999 UA_{2}	15.5	X	106.71905	98.33061	228.36655	2.49372	0.2972166	0.23567026	2.5957699	21	—	—
97031 1999 UW_{2}	14.2	X	359.06364	120.86024	28.65330	14.27403	0.0931710	0.23906535	2.5711354	21	—	—
97032 1999 UL_{3}	14.8	X	238.65911	67.11225	1.99339	7.96262	0.2242016	0.21422285	2.7662549	21	7 14.4	19.4
97033 1999 UW_{3}	15.7	X	104.89174	259.68213	124.63815	2.27208	0.1692250	0.24036947	2.5618273	21	1 4.6	18.8
97034 1999 UK_{7}	14.8	X	115.35169	202.30896	336.89044	24.18794	0.2672873	0.39057822	1.8535204	21	8 26.5	17.3
97035 1999 UB_{8}	15.2	X	52.06844	303.41286	40.36079	2.70337	0.2398867	0.22923396	2.6441337	21	—	—
97036 1999 UR_{8}	14.9	X	307.28115	230.63613	246.40596	2.98503	0.0833523	0.22884103	2.6471596	21	—	—
97037 1999 US_{8}	14.9	X	275.85968	66.75937	40.34495	14.24496	0.1439063	0.22295413	2.6935541	21	10 27.5	18.1
97038 1999 UX_{14}	14.9	X	290.67575	113.52548	41.14705	12.74061	0.0990927	0.23251727	2.6191834	21	—	—
97039 1999 UB_{15}	15.5	X	104.56925	347.36419	49.70577	5.07976	0.0822934	0.24071986	2.5593407	21	1 8.4	18.6
97040 1999 UJ_{15}	14.4	X	238.49673	168.60124	46.61535	11.80270	0.1408828	0.23459773	2.6036754	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
97041 1999 UT_{15}	15.5	X	338.57449	238.24997	161.85744	5.02008	0.1406270	0.22508225	2.6765492	21	11 15.2	18.3
97042 1999 UM_{19}	15.5	X	217.43185	3.91422	202.50784	4.31765	0.1079732	0.18577035	3.0419480	21	12 15.6	20.0
97043 1999 UE_{24}	14.6	X	264.31186	79.14602	332.02039	6.14033	0.1955558	0.21677314	2.7445158	21	7 20.9	18.5
97044 1999 UL_{26}	15.3	X	328.27035	34.27070	353.58517	3.27143	0.2570551	0.22291018	2.6939081	21	9 28.9	17.3
97045 1999 UY_{29}	16.3	X	8.40914	36.99355	67.28991	1.69699	0.1016814	0.23749251	2.5824749	21	—	—
97046 1999 UF_{30}	16.0	X	80.13782	241.36272	45.66812	3.62971	0.0573477	0.22649003	2.6654467	21	11 3.4	19.5
97047 1999 UN_{35}	14.9	X	49.14017	284.74798	140.72361	10.43810	0.1645047	0.23548162	2.5971560	21	—	—
97048 1999 US_{42}	15.1	X	307.03401	217.00915	245.10633	11.00533	0.1611244	0.22784976	2.6548318	21	12 10.9	17.8
97049 1999 UK_{44}	15.0	X	23.51319	322.28260	34.37086	12.63969	0.1235325	0.22555027	2.6728453	21	11 25.8	18.4
97050 1999 UD_{45}	15.3	X	4.12054	52.20540	299.10146	10.71245	0.2048322	0.22521815	2.6754723	21	10 24.8	18.2
97051 1999 UO_{49}	14.9	X	31.10818	209.10124	247.39208	8.04364	0.1317219	0.24053001	2.5606872	21	—	—
97052 1999 UV_{49}	15.3	X	264.85601	8.46337	83.84622	6.35039	0.1310154	0.22054267	2.7131530	21	9 26.5	18.9
97053 1999 UY_{49}	15.7	X	57.14073	325.75947	115.62647	2.79445	0.0934652	0.23911998	2.5707438	21	—	—
97054 1999 UO_{50}	16.1	X	122.78086	215.10041	116.89476	4.62657	0.2569949	0.23737299	2.5833417	21	—	—
97055 1999 UE_{52}	15.4	X	325.62127	263.26124	182.11700	11.33188	0.1631752	0.22702105	2.6612886	21	12 23.6	18.3
97056 1999 UL_{52}	14.9	X	91.67140	245.21510	77.68189	15.97247	0.1245710	0.23047181	2.6346576	21	—	—
97057 1999 UY_{52}	15.1	X	19.99529	297.09144	88.51175	14.83083	0.1558458	0.22789467	2.6544830	21	—	—
97058 1999 UA_{59}	14.4	X	153.47828	233.68927	271.72541	11.78521	0.0574685	0.21332453	2.7740153	21	7 26.8	18.5
97059 1999 VU_{3}	15.1	X	150.92096	253.55639	92.96664	3.08408	0.1098797	0.19412214	2.9540602	21	1 15.1	19.6
97060 1999 VF_{4}	15.7	X	272.76482	285.15267	135.57670	3.80845	0.1704391	0.21913070	2.7247954	21	8 16.3	19.2
97061 1999 VE_{5}	14.4	X	1.47526	11.86503	60.05153	14.66246	0.1349660	0.23037155	2.6354219	21	—	—
97062 1999 VZ_{5}	13.6	X	57.32863	346.21168	80.27646	11.82357	0.0872072	0.18995568	2.9970997	21	—	—
97063 1999 VK_{14}	16.4	X	132.40941	67.42513	50.20721	24.50396	0.0977626	0.38669461	1.8659098	21	5 21.3	18.2
97064 1999 VF_{16}	15.4	X	249.86811	37.65928	325.45856	2.55312	0.0781182	0.21058153	2.7980525	21	5 15.3	19.5
97065 1999 VV_{20}	14.4	X	155.00191	38.50296	56.23992	15.88311	0.1118560	0.20507723	2.8478979	21	5 28.7	18.7
97066 1999 VC_{21}	15.5	X	292.90950	31.97348	78.99713	2.21322	0.1494742	0.22485101	2.6783839	21	11 27.8	18.4
97067 1999 VL_{21}	15.7	X	307.81367	231.30095	167.16593	3.54577	0.1912231	0.22089053	2.7103038	21	9 6.5	18.4
97068 1999 VT_{21}	15.9	X	11.44461	240.98583	105.05975	4.09303	0.2903183	0.22466588	2.6798550	21	11 21.2	18.5
97069 Stek	15.2	X	231.52588	333.28917	238.84931	8.64382	0.0624944	0.23350916	2.6117610	21	—	—
97070 1999 VK_{26}	14.1	X	96.70450	204.37046	62.06833	17.75444	0.1102778	0.17601683	3.1533094	21	10 31.9	19.0
97071 1999 VO_{27}	14.5	X	198.32079	51.53331	16.72273	7.19353	0.1201662	0.21053370	2.7984763	21	6 8.4	18.9
97072 1999 VU_{27}	16.2	X	130.01897	84.16401	241.44473	4.06774	0.1350284	0.28187780	2.3037153	21	—	—
97073 1999 VW_{28}	15.4	X	222.09729	79.35447	32.24482	2.06807	0.1927039	0.21475892	2.7616496	21	8 22.9	19.9
97074 1999 VR_{30}	14.8	X	22.65366	206.63976	215.60710	0.84752	0.0752759	0.18541226	3.0458634	21	—	—
97075 1999 VF_{32}	14.6	X	160.61388	245.32794	51.77493	12.11209	0.1109109	0.18898217	3.0073836	21	—	—
97076 1999 VT_{32}	15.4	X	178.37767	67.19599	55.16211	4.75501	0.0484036	0.21221269	2.7836961	21	7 30.0	19.4
97077 1999 VG_{33}	14.5	X	185.86704	339.29845	243.17827	9.30029	0.0532705	0.18081517	3.0972729	21	12 5.2	19.0
97078 1999 VS_{33}	15.7	X	90.63460	267.20524	117.06025	0.89533	0.1419132	0.23573673	2.5952820	21	—	—
97079 1999 VO_{36}	13.3	X	285.62429	52.56659	64.66157	13.59744	0.1481846	0.22350623	2.6891165	21	11 24.0	16.2
97080 1999 VZ_{36}	15.3	X	15.36841	318.33040	66.96434	3.83867	0.0745976	0.22519900	2.6756240	21	12 16.9	18.6
97081 1999 VW_{38}	15.4	X	62.56770	323.05130	48.77643	1.81922	0.0861990	0.23060786	2.6336212	21	—	—
97082 1999 VW_{39}	15.1	X	357.30282	318.19951	32.57450	12.18315	0.2021011	0.22430454	2.6827323	21	10 16.4	17.5
97083 1999 VS_{44}	15.9	X	55.99954	86.66379	301.53865	4.48916	0.2287769	0.23433872	2.6055936	21	—	—
97084 1999 VJ_{45}	15.0	X	252.14436	337.38036	19.80585	9.04034	0.1800427	0.21077705	2.7963219	21	4 28.8	19.4
97085 1999 VM_{47}	15.0	X	305.89578	78.33796	1.74647	21.90010	0.0945396	0.22523905	2.6753068	21	11 2.8	18.5
97086 1999 VH_{49}	15.4	X	318.10788	261.55075	15.25267	6.23713	0.1299202	0.25311832	2.4750672	21	4 8.2	18.1
97087 1999 VQ_{50}	14.7	X	130.08058	338.34279	45.08601	12.73156	0.0634543	0.19491618	2.9460320	21	2 3.8	19.1
97088 1999 VC_{54}	15.5	X	74.97852	317.10771	35.13329	5.34107	0.1082732	0.23237175	2.6202768	21	—	—
97089 1999 VY_{56}	15.3	X	117.99287	219.71340	175.71327	2.14920	0.1153846	0.19650151	2.9301653	21	2 5.7	19.3
97090 1999 VM_{57}	15.6	X	182.86415	154.78518	282.98323	0.76859	0.0484468	0.20973762	2.8055531	21	6 5.4	19.4
97091 1999 VF_{59}	15.5	X	326.40495	173.33993	227.61692	2.19021	0.0941161	0.22249988	2.6972189	21	10 23.2	18.4
97092 1999 VP_{59}	15.9	X	351.97866	61.70213	312.17166	0.70350	0.0869899	0.22307015	2.6926200	21	10 28.2	19.0
97093 1999 VQ_{59}	15.0	X	126.75012	101.30758	43.82721	10.48112	0.0822032	0.20931413	2.8093360	21	6 29.9	19.2
97094 1999 VZ_{59}	15.2	X	303.61270	173.11486	293.74073	0.41435	0.1201220	0.18223650	3.0811474	21	12 2.5	18.7
97095 1999 VA_{61}	14.9	X	150.12935	308.17454	50.66917	12.76693	0.0706690	0.19614359	2.9337289	21	1 27.6	19.4
97096 1999 VC_{61}	15.2	X	188.85349	301.99900	59.84051	2.72029	0.0890424	0.20165278	2.8800492	21	3 11.5	19.5
97097 1999 VD_{65}	15.7	X	246.90085	238.34590	221.54997	3.04812	0.1741986	0.21763061	2.7373021	21	9 2.7	19.8
97098 1999 VF_{66}	15.1	X	28.91591	333.59809	53.67690	16.19346	0.1225002	0.22918909	2.6444788	21	—	—
97099 1999 VN_{67}	15.8	X	201.82257	280.38101	196.12067	1.04894	0.2431604	0.21221418	2.7836830	21	8 7.1	20.5
97100 1999 VP_{67}	15.3	X	53.96388	103.73002	55.76461	10.65561	0.1510813	0.24592542	2.5230959	21	4 18.6	17.9
97101 1999 VU_{67}	13.9	X	221.91344	140.48526	57.63628	12.56334	0.1258093	0.22746204	2.6578477	21	12 14.7	17.7
97102 1999 VY_{69}	14.8	X	304.99705	138.63033	42.99013	12.05120	0.0806882	0.19139723	2.9820319	21	—	—
97103 1999 VB_{70}	15.5	X	7.74122	33.31308	49.60064	13.00950	0.0172787	0.23315207	2.6144271	21	—	—
97104 1999 VM_{71}	15.5	X	217.28415	308.56428	36.05227	2.40285	0.0744703	0.20311381	2.8662215	21	3 19.3	19.7
97105 1999 VP_{71}	15.4	X	244.51246	103.19856	52.20485	14.29331	0.0813667	0.22551901	2.6730922	21	11 24.2	18.9
97106 1999 VU_{71}	15.2	X	113.79559	353.20806	65.96743	2.76563	0.0800962	0.19717685	2.9234709	21	2 26.6	19.2
97107 1999 VC_{74}	16.0	X	355.74313	61.96241	221.10856	3.56372	0.0314092	0.21322347	2.7748918	21	6 28.7	19.5
97108 1999 VM_{78}	15.6	X	265.33996	163.25891	260.51453	3.91840	0.1009450	0.21832248	2.7315160	21	8 19.1	19.3
97109 1999 VD_{79}	15.6	X	327.64736	152.77016	279.64596	2.51881	0.0895641	0.22698251	2.6615898	21	12 8.3	18.6
97110 1999 VB_{82}	16.1	X	175.52939	298.50957	63.18978	1.50289	0.1222203	0.24703652	2.5155248	21	2 21.0	19.8
97111 1999 VJ_{83}	15.6	X	46.93115	206.24879	77.19190	4.03392	0.0815264	0.21810480	2.7333331	21	9 20.9	19.1
97112 1999 VW_{83}	15.2	X	333.84834	193.23305	258.83988	1.75681	0.0774058	0.23061095	2.6335977	21	—	—
97113 1999 VM_{86}	16.1	X	252.61227	241.72385	175.16158	9.92803	0.2711211	0.21434262	2.7652243	21	7 4.9	20.8
97114 1999 VK_{87}	15.5	X	264.02735	92.66835	15.15493	6.26036	0.2190607	0.22127945	2.7071272	21	9 29.5	19.1
97115 1999 VG_{90}	15.9	X	125.92830	300.20397	32.56554	4.48660	0.1787617	0.23807375	2.5782698	21	—	—
97116 1999 VJ_{90}	14.8	X	342.29995	79.50965	87.64876	1.23445	0.0685284	0.24189894	2.5510173	21	—	—
97117 1999 VJ_{94}	15.5	X	24.06515	21.73009	41.11808	2.28818	0.0745672	0.23420138	2.6066122	21	—	—
97118 1999 VS_{94}	15.4	X	209.33820	44.25648	25.72105	4.29865	0.0886144	0.21285235	2.7781163	21	6 24.5	19.7
97119 1999 VT_{94}	14.9	X	309.46736	169.18539	27.27508	6.28921	0.1030430	0.24168623	2.5525138	21	—	—
97120 1999 VX_{94}	15.8	X	290.18252	245.39441	221.33364	1.74178	0.1275536	0.22675157	2.6633966	21	11 20.5	18.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
97121 1999 VK_{97}	16.2	X	150.13827	109.31919	225.75901	3.03231	0.1257577	0.23953230	2.5677929	21	—	—
97122 1999 VM_{98}	15.2	X	200.43680	30.67392	272.18569	0.80649	0.0962333	0.19576408	2.9375192	21	1 11.8	19.7
97123 1999 VT_{98}	16.2	X	229.30868	235.30407	52.91841	2.48757	0.0203518	0.24197241	2.5505009	21	1 16.9	19.5
97124 1999 VD_{101}	14.9	X	202.89888	217.76615	45.39223	2.12934	0.0552467	0.18938149	3.0031546	21	—	—
97125 1999 VG_{102}	15.4	X	249.79363	161.07650	56.54976	14.07875	0.1250938	0.23424042	2.6063225	21	—	—
97126 1999 VR_{105}	14.9	X	123.75312	56.46525	237.93629	8.83134	0.0668107	0.18338592	3.0682593	21	12 24.2	19.5
97127 1999 VW_{107}	14.8	X	216.31287	96.36339	63.66603	4.91191	0.0656223	0.17635856	3.1492347	21	10 24.7	19.3
97128 1999 VH_{108}	15.6	X	212.00418	326.56229	233.75588	10.61828	0.1185009	0.22557407	2.6726573	21	12 8.0	19.5
97129 1999 VB_{110}	15.4	X	195.73228	67.26298	209.63766	1.29284	0.1231211	0.23589263	2.5941384	21	—	—
97130 1999 VN_{110}	14.9	X	186.73868	193.80452	54.36689	7.74111	0.1290745	0.18425159	3.0586414	21	12 31.5	19.8
97131 1999 VV_{111}	14.9	X	277.13560	98.50397	51.04794	4.00648	0.0403763	0.18204331	3.0833268	21	12 26.7	19.1
97132 1999 VQ_{114}	14.6	X	24.45568	105.06112	354.58522	11.85943	0.2216896	0.23631319	2.5910596	21	—	—
97133 1999 VF_{115}	15.2	X	295.42402	82.62741	352.40575	14.26273	0.0824946	0.22388017	2.6861213	21	10 16.2	18.7
97134 1999 VG_{115}	14.7	X	224.67881	228.92407	258.71143	13.20403	0.1164526	0.22067697	2.7120522	21	9 14.8	19.0
97135 1999 VJ_{115}	14.9	X	270.69050	269.66080	345.92030	13.56461	0.1789387	0.24589873	2.5232785	21	1 13.6	19.1
97136 1999 VW_{115}	16.1	X	275.50037	157.02402	161.46535	2.05948	0.0713900	0.20612923	2.8382000	21	4 21.5	20.0
97137 1999 VW_{121}	15.7	X	21.77081	24.64085	170.03028	2.09758	0.0087973	0.20274154	2.8697290	21	4 9.3	19.5
97138 1999 VX_{123}	14.6	X	267.34264	327.53800	225.17276	12.48581	0.1528799	0.18600450	3.0393945	21	—	—
97139 1999 VA_{130}	15.9	X	293.12627	28.01745	19.15006	4.70543	0.0629796	0.21996353	2.7179132	21	9 13.9	19.2
97140 1999 VX_{132}	16.2	X	152.05335	56.40778	210.31492	3.39328	0.2271795	0.28251623	2.3002433	21	—	—
97141 1999 VT_{133}	15.3	X	274.66598	289.04170	218.96448	11.63656	0.2232090	0.22762429	2.6565846	21	12 7.3	18.4
97142 1999 VJ_{141}	15.0	X	130.52309	323.03397	34.16939	4.90074	0.0963226	0.19331902	2.9622360	21	1 4.2	19.3
97143 1999 VW_{142}	16.1	X	3.04110	115.92938	13.33807	4.03778	0.0534167	0.23882450	2.5728638	21	—	—
97144 1999 VM_{143}	14.6	X	260.86021	135.64888	47.89121	25.68436	0.1708664	0.22920670	2.6443434	21	—	—
97145 1999 VX_{144}	13.4	X	121.37459	49.87731	313.78690	14.34319	0.1279630	0.24079374	2.5588172	21	—	—
97146 1999 VR_{147}	15.1	X	287.03984	285.83510	268.41536	3.75229	0.1136390	0.23870159	2.5737470	21	—	—
97147 1999 VY_{148}	15.5	X	301.14865	217.39372	96.67036	3.80544	0.0721614	0.20832164	2.8182518	21	5 19.2	19.1
97148 1999 VY_{151}	15.3	X	203.57797	200.03543	66.42002	6.97145	0.1253661	0.23619390	2.5919320	21	—	—
97149 1999 VM_{155}	15.1	X	115.81055	122.62265	19.40639	9.54593	0.1029857	0.20907460	2.8114813	21	6 14.3	19.4
97150 1999 VW_{156}	13.6	X	127.90333	166.78125	62.06402	14.51049	0.0954731	0.17353799	3.1832666	21	10 18.8	18.6
97151 1999 VA_{159}	16.1	X	52.44981	352.66958	7.63575	3.78868	0.3061396	0.23136881	2.6278436	21	—	—
97152 1999 VU_{160}	15.9	X	303.69442	112.94438	334.50977	1.86117	0.1025002	0.22496981	2.6774409	21	11 17.9	19.0
97153 1999 VR_{161}	15.7	X	245.23887	117.89006	271.38614	3.26308	0.0767965	0.21105025	2.7939082	21	6 13.8	19.8
97154 1999 VA_{162}	14.8	X	193.44292	139.80951	35.75117	13.70258	0.1724197	0.22068533	2.7119837	21	10 17.2	19.1
97155 1999 VE_{163}	14.8	X	265.99882	228.88588	37.38696	14.69182	0.1533305	0.24561339	2.5252324	21	1 25.2	19.0
97156 1999 VT_{163}	15.0	X	16.04733	121.27253	15.37072	2.08735	0.0538001	0.19512503	2.9439295	21	1 18.8	18.7
97157 1999 VP_{165}	15.2	X	2.60493	22.06378	40.73464	11.59955	0.0476563	0.22925333	2.6439848	21	—	—
97158 1999 VV_{166}	15.1	X	159.58947	226.86989	354.13560	2.81954	0.0391631	0.22326681	2.6910387	21	11 10.4	19.0
97159 1999 VP_{172}	14.5	X	85.69889	9.42267	67.74846	11.60121	0.0686544	0.19267257	2.9688582	21	2 15.6	18.7
97160 1999 VE_{182}	15.6	X	215.94338	120.29414	66.69592	4.77116	0.1321316	0.22460910	2.6803066	21	11 24.3	19.4
97161 1999 VV_{182}	15.3	X	301.71869	69.48232	43.72185	1.27283	0.1417635	0.18059514	3.0997881	21	12 4.9	18.9
97162 1999 VW_{184}	14.9	X	269.63674	139.90766	202.54454	16.99203	0.1260955	0.21117397	2.7928169	21	5 8.1	19.0
97163 1999 VO_{186}	13.8	X	273.20525	129.15814	65.61837	10.89172	0.1204613	0.18979815	2.9987578	21	—	—
97164 1999 VX_{186}	14.5	X	296.81945	195.23169	65.50911	11.54505	0.0687112	0.20192704	2.8774408	21	3 12.3	18.7
97165 1999 VG_{187}	15.3	X	196.20537	150.19801	156.08456	2.82215	0.0572499	0.24026449	2.5625734	21	1 1.4	18.9
97166 1999 VO_{187}	16.1	X	201.98018	31.96718	136.95895	2.85847	0.1203501	0.26670447	2.3902822	21	10 25.5	19.4
97167 1999 VG_{188}	15.2	X	253.29465	340.39207	125.42070	3.30484	0.1072603	0.21946711	2.7220102	21	9 30.5	18.9
97168 1999 VO_{188}	14.4	X	30.16867	22.74212	73.28020	12.34542	0.0819657	0.19046569	2.9917471	21	—	—
97169 1999 VZ_{192}	15.2	X	84.88444	82.60423	304.34088	4.87535	0.1065248	0.23821708	2.5772356	21	—	—
97170 1999 VP_{194}	15.2	X	313.10398	233.94623	134.32750	10.38948	0.2878908	0.21850250	2.7300155	21	7 16.7	17.9
97171 1999 VE_{195}	15.9	X	346.22242	297.12494	101.96789	3.23354	0.1117974	0.22625298	2.6673080	21	11 25.3	18.8
97172 1999 VM_{195}	15.7	X	83.44177	311.35555	63.81971	3.47087	0.1561456	0.23611730	2.5924925	21	—	—
97173 1999 VJ_{197}	14.9	X	173.25443	337.57712	87.26152	10.08158	0.2044644	0.20674732	2.8325405	21	5 16.0	19.7
97174 1999 VL_{199}	14.2	X	278.29362	73.75523	76.46944	12.33659	0.1296731	0.23105837	2.6301968	21	12 30.5	17.3
97175 1999 VT_{203}	14.9	X	68.33468	286.65631	68.47723	10.58213	0.2194947	0.23476364	2.6024486	21	—	—
97176 1999 VV_{210}	14.6	X	250.81500	319.14910	255.56122	9.58366	0.0464287	0.18908579	3.0062848	21	—	—
97177 1999 VG_{215}	15.6	X	126.43417	34.87993	315.89592	11.97587	0.1613186	0.23939483	2.5687758	21	—	—
97178 1999 VO_{216}	15.2	X	344.99729	47.77444	245.44574	8.85715	0.1550078	0.21387936	2.7692158	21	6 19.2	18.1
97179 1999 VF_{223}	14.8	X	306.03361	16.39096	97.61549	9.77553	0.0933614	0.18314595	3.0709389	21	12 17.9	18.7
97180 1999 VH_{224}	15.7	X	300.20686	222.91722	161.38446	7.76249	0.1549302	0.21657217	2.7462134	21	8 7.9	19.0
97181 1999 VV_{228}	15.5	X	92.20142	88.80607	304.35468	8.60806	0.0767015	0.23896130	2.5718818	21	—	—
97182 1999 WC	14.0	X	209.28566	303.26639	348.70320	13.00761	0.1641109	0.24131721	2.5551154	21	1 3.3	18.4
97183 1999 WR_{1}	14.6	X	154.15851	305.58874	49.20403	22.67975	0.0224417	0.24105545	2.5569648	21	1 10.2	18.5
97184 1999 WG_{3}	15.2	X	113.57489	2.05166	87.18771	3.19451	0.0485015	0.20014910	2.8944560	21	3 31.3	19.2
97185 1999 WR_{4}	14.3	X	118.61006	329.41280	57.94612	11.29269	0.0482964	0.19225802	2.9731244	21	1 21.9	18.6
97186 Tore	14.4	X	143.90870	223.32009	96.19954	12.37602	0.0778011	0.18811692	3.0165982	21	—	—
97187 1999 WL_{10}	14.8	X	106.35418	166.73696	33.97257	11.27610	0.0970200	0.21722174	2.7407359	21	8 25.2	18.9
97188 1999 WG_{12}	15.4	X	333.15740	331.40623	83.21970	6.15993	0.0310141	0.22274382	2.6952493	21	11 22.4	18.7
97189 1999 WV_{12}	15.5	X	242.32202	113.66623	185.28001	1.80512	0.1160319	0.19915590	2.9040713	21	2 15.1	19.8
97190 1999 WY_{14}	16.5	X	86.40154	72.10420	293.61452	0.54606	0.1336211	0.23657523	2.5891460	21	—	—
97191 1999 WD_{16}	15.8	X	87.81192	233.97714	80.91771	2.00107	0.1030930	0.22858956	2.6491006	21	12 22.3	19.4
97192 1999 WT_{16}	15.0	X	260.61936	2.97527	28.81636	9.94761	0.1687543	0.21567779	2.7538003	21	6 23.4	19.2
97193 1999 WV_{16}	16.3	X	24.60091	182.98800	218.19167	0.81149	0.1258031	0.23219584	2.6216000	21	—	—
97194 1999 WR_{20}	15.6	X	321.46428	89.36324	83.09132	4.71251	0.0945596	0.23580495	2.5947813	21	—	—
97195 1999 WC_{26}	15.2	X	358.75418	196.72082	77.12920	6.99243	0.1005093	0.21010036	2.8023230	21	6 19.6	18.4
97196 1999 XR_{1}	14.5	X	160.31778	92.99434	94.42441	25.52721	0.2570588	0.21146729	2.7902337	21	10 13.4	20.0
97197 1999 XB_{3}	14.9	X	52.45477	247.31809	173.10963	3.06467	0.0680843	0.18962434	3.0005900	21	—	—
97198 1999 XJ_{3}	15.2	X	201.99651	57.29242	98.20771	6.39936	0.1973043	0.21776848	2.7361467	21	9 30.0	19.7
97199 1999 XD_{7}	15.5	X	257.53389	78.60530	58.84438	13.57476	0.2071458	0.22188523	2.7021977	21	11 2.5	19.1
97200 1999 XK_{8}	14.8	X	0.30659	26.88550	87.07970	13.41301	0.1371946	0.23116532	2.6293855	21	—	—

ELEMENTS AND OPPOSITION DATES IN 2021

ECLIPTIC AND EQUINOX 2000.0, EPOCH 2021 JULY 5.0 TT

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
97201 1999 XQ_8	14.7	X	299.99873	90.14632	261.66505	11.22378	0.2591905	0.21863910	2.7288783	21	6 6.6	18.0
97202 1999 XJ_{11}	15.2	X	258.43837	142.75305	281.76133	7.44778	0.0865753	0.21603230	2.7507868	21	8 12.4	19.1
97203 1999 XC_{15}	15.9	X	8.36464	42.87055	99.30194	27.60218	0.0687488	0.37252248	1.9129387	21	—	—
97204 1999 XC_{20}	14.9	X	243.39749	27.22217	57.89648	10.62947	0.0985117	0.21742027	2.7390673	21	8 27.1	19.0
97205 1999 XA_{22}	14.6	X	184.55031	282.00374	278.13663	8.29185	0.1384184	0.21397875	2.7683582	21	11 4.5	19.1
97206 1999 XE_{27}	15.2	X	146.00206	300.00567	57.33877	15.11744	0.1474295	0.24101394	2.5572583	21	1 21.1	19.1
97207 1999 XV_{30}	15.4	X	287.32358	302.55186	104.18225	3.15883	0.0776721	0.21699361	2.7426565	21	9 2.5	19.0
97208 1999 XK_{33}	16.3	X	274.45674	55.85601	112.47324	24.51185	0.0615797	0.36106001	1.9532138	21	—	—
97209 1999 XM_{36}	13.9	X	26.05640	11.26352	21.82196	15.03241	0.1204298	0.22979622	2.6398188	21	—	—
97210 1999 XX_{36}	14.9	X	284.19566	132.49804	286.85795	10.12934	0.2337045	0.21808112	2.7335310	21	8 16.3	18.5
97211 1999 XY_{36}	14.5	X	7.95418	40.74471	34.10218	14.80220	0.0725600	0.23095825	2.6309569	21	—	—
97212 1999 XT_{38}	14.9	X	146.36674	52.65069	49.80944	2.00154	0.0816451	0.20403402	2.8575971	21	5 28.1	19.0
97213 1999 XN_{40}	15.3	X	111.78215	34.58992	2.51447	1.58081	0.0931668	0.19513351	2.9438441	21	1 29.3	19.3
97214 1999 XW_{41}	16.3	X	294.69181	131.05530	265.97482	2.07922	0.2899799	0.21846467	2.7303306	21	7 25.8	19.4
97215 1999 XS_{45}	15.6	X	355.17403	354.18758	37.39238	3.51634	0.1203446	0.22486421	2.6782791	21	11 29.4	18.6
97216 1999 XW_{47}	15.5	X	275.18990	69.64859	66.34318	9.66867	0.2536340	0.22384871	2.6863730	21	11 16.7	18.5
97217 1999 XO_{48}	15.4	X	99.95382	153.71695	259.60982	1.06011	0.0889730	0.19434990	2.9517518	21	2 2.2	19.4
97218 1999 XS_{48}	15.4	X	275.19482	104.57791	325.63757	1.94350	0.1674567	0.21771887	2.7365622	21	9 1.3	19.0
97219 1999 XS_{49}	15.2	X	238.13119	186.68539	52.94101	2.34263	0.0941366	0.23481635	2.6020591	21	—	—
97220 1999 XW_{49}	14.9	X	163.88449	291.07462	59.23071	2.85031	0.0607847	0.19474751	2.9477328	21	1 29.1	19.1
97221 1999 XH_{50}	15.8	X	189.84397	249.98445	72.20750	4.22852	0.1719192	0.24188997	2.5510804	21	1 21.2	19.9
97222 1999 XK_{50}	14.4	X	97.37975	233.99180	69.13475	10.24977	0.1478855	0.18169501	3.0872660	21	12 13.8	19.1
97223 1999 XK_{51}	15.0	X	112.33154	93.87309	242.05944	1.30665	0.1062289	0.18690899	3.0295811	21	—	—
97224 1999 XG_{52}	15.6	X	352.03069	72.07892	309.57067	1.45794	0.1034121	0.22262493	2.6962088	21	11 8.6	18.7
97225 1999 XY_{53}	16.0	X	117.65354	156.95250	195.51925	2.53860	0.2410199	0.23688131	2.5869152	21	—	—
97226 1999 XC_{54}	14.1	X	219.42315	139.68375	71.87477	23.11571	0.0765669	0.18299693	3.0726058	21	12 25.1	18.7
97227 1999 XG_{54}	13.7	X	318.26662	106.14835	76.70851	11.63242	0.0516208	0.19152556	2.9806997	21	—	—
97228 1999 XW_{56}	14.4	X	4.87642	340.21014	74.62377	12.29213	0.0848725	0.18207370	3.0829838	21	12 30.2	18.5
97229 1999 XS_{57}	14.2	X	178.14169	171.40994	76.42212	16.96314	0.0431740	0.18258082	3.0772724	21	12 26.8	18.8
97230 1999 XE_{59}	15.3	X	342.02700	83.33039	253.15279	5.15697	0.1182123	0.21569103	2.7536876	21	8 16.4	18.4
97231 1999 XG_{60}	15.4	X	269.58517	90.62231	78.03978	13.75341	0.2091816	0.22617301	2.6679367	21	12 27.9	18.5
97232 1999 XO_{60}	15.3	X	292.14296	72.86465	80.06278	12.74766	0.1178951	0.22862156	2.6488535	21	—	—
97233 1999 XJ_{61}	15.3	X	223.72272	279.17186	239.91997	7.96305	0.2430940	0.21900103	2.7258709	21	10 14.8	19.7
97234 1999 XF_{62}	15.7	X	151.92707	200.67419	58.11440	5.80536	0.0600883	0.22692089	2.6620716	21	12 19.4	19.6
97235 1999 XO_{69}	14.5	X	295.27917	129.60141	79.36263	12.93061	0.0847135	0.23586010	2.5943769	21	—	—
97236 1999 XW_{75}	13.9	X	240.71972	284.61162	263.97814	24.38798	0.2160949	0.17804959	3.1292630	21	12 5.4	18.6
97237 1999 XT_{77}	14.3	X	253.11508	264.54408	234.68387	4.21259	0.1179646	0.17550969	3.1593809	21	11 2.1	18.6
97238 1999 XY_{79}	15.1	X	128.79971	85.19481	83.28516	8.13747	0.1065745	0.20887768	2.8132480	21	8 5.8	19.4
97239 1999 XP_{81}	15.4	X	153.90305	5.81358	108.79991	3.29765	0.1642494	0.20536768	2.8452122	21	6 25.7	19.8
97240 1999 XP_{84}	14.0	X	306.88648	62.99417	97.69103	11.45124	0.1956103	0.18195723	3.0842993	21	—	—
97241 1999 XR_{84}	15.0	X	219.39503	165.18375	281.72989	1.66986	0.1095596	0.20939778	2.8085877	21	7 25.6	19.0
97242 1999 XE_{88}	15.1	X	213.56390	174.85479	271.98125	7.86608	0.1383533	0.20925449	2.8098698	21	7 16.6	19.4
97243 1999 XG_{90}	14.7	X	21.26245	339.89535	97.49119	11.34005	0.0828854	0.18340387	3.0680591	21	—	—
97244 1999 XL_{90}	14.9	X	159.61152	284.89345	93.17605	8.92776	0.2710223	0.19670422	2.9281519	21	3 16.8	20.1
97245 1999 XW_{92}	15.0	X	80.37675	302.98884	140.44340	2.57116	0.1560160	0.19213872	2.9743549	21	2 23.8	18.8
97246 1999 XX_{93}	14.4	X	116.78176	292.72620	109.75670	14.60455	0.2454404	0.19265911	2.9689965	21	3 7.5	19.1
97247 1999 XC_{101}	14.7	X	53.73509	106.97424	289.63036	7.73714	0.1234197	0.18349281	3.0670676	21	—	—
97248 1999 XO_{106}	14.8	X	72.06597	119.96899	251.52605	12.90682	0.2163169	0.23455929	2.6039599	21	—	—
97249 1999 XT_{106}	14.8	X	248.04236	296.59460	235.40770	10.98759	0.1231190	0.22874348	2.6479121	21	12 15.3	18.3
97250 1999 XW_{107}	15.3	X	232.55482	119.06872	323.98855	2.17308	0.2311762	0.21414989	2.7668831	21	7 24.1	19.9
97251 1999 XX_{107}	15.8	X	315.37221	155.52658	251.90730	3.98714	0.2440124	0.22183510	2.7026048	21	9 26.3	18.2
97252 1999 XY_{107}	14.8	X	331.02044	45.65255	104.06588	2.53217	0.0120093	0.23687459	2.5869640	21	—	—
97253 1999 XT_{108}	15.4	X	38.05456	17.02925	4.59813	3.18295	0.1632400	0.23009294	2.6375489	21	—	—
97254 1999 XK_{112}	15.2	X	178.58997	153.39630	350.68554	6.42916	0.1340550	0.20917637	2.8105693	21	8 25.5	19.6
97255 1999 XS_{114}	13.9	X	197.12907	294.48397	4.25576	13.60129	0.1779475	0.24076534	2.5590184	21	—	—
97256 1999 XC_{115}	14.5	X	169.23800	14.08133	295.67722	13.96502	0.1248506	0.23872581	2.5735728	21	—	—
97257 1999 XE_{115}	15.1	X	291.94744	106.59325	77.47328	24.36124	0.0997333	0.36604618	1.9354359	21	—	—
97258 1999 XD_{116}	14.9	X	9.64547	99.52651	326.11289	5.48688	0.2449808	0.23056239	2.6339675	21	—	—
97259 1999 XF_{119}	15.9	X	258.03111	95.08009	347.75511	4.03989	0.1478121	0.21713789	2.7414414	21	8 30.1	19.7
97260 1999 XG_{119}	14.8	X	302.22417	69.08683	283.09364	6.47147	0.2385712	0.21564298	2.7540966	21	6 13.9	18.3
97261 1999 XT_{119}	14.9	X	204.91462	108.82126	7.74392	4.45882	0.1138793	0.21399684	2.7682022	21	8 18.7	19.1
97262 1999 XT_{121}	14.6	X	303.26510	163.94664	267.03626	12.48841	0.1531802	0.22278824	2.6948910	21	10 14.9	17.8
97263 1999 XC_{122}	15.1	X	48.93362	88.42522	322.50918	9.03551	0.0796672	0.23438145	2.6052769	21	—	—
97264 1999 XB_{125}	15.0	X	324.81758	52.27052	296.85990	8.35245	0.2316594	0.21797734	2.7343986	21	7 22.6	17.6
97265 1999 XM_{125}	14.4	X	38.96886	65.95931	37.04723	10.49132	0.0174385	0.19262918	2.9693040	21	1 9.7	18.6
97266 1999 XS_{126}	14.9	X	193.54756	41.41197	52.01395	13.55392	0.1154128	0.20997512	2.8034371	21	7 7.3	19.4
97267 1999 XC_{127}	15.1	X	222.39807	101.01762	307.90784	3.86956	0.1030284	0.20915753	2.8107381	21	6 10.5	19.4
97268 Serafinozani	15.3	X	98.26699	339.52464	12.88421	5.39958	0.2894468	0.23492741	2.6012390	21	—	—
97269 1999 XB_{130}	15.1	X	346.43797	348.51863	57.95404	13.98557	0.1480876	0.22398852	2.6852551	21	12 5.9	17.9
97270 1999 XK_{137}	14.6	X	230.85618	77.40648	80.26611	7.54455	0.1153829	0.17332637	3.1858571	21	11 1.9	19.4
97271 1999 XJ_{139}	15.4	X	308.23437	311.93270	29.67462	5.96295	0.0350246	0.21598790	2.7511637	21	7 11.1	19.1
97272 1999 XH_{140}	15.8	X	159.15694	277.13331	118.23350	3.11695	0.1179761	0.19591303	2.9360300	21	3 24.2	20.3
97273 1999 XZ_{140}	14.7	X	40.27134	127.85037	281.74626	8.22522	0.1185799	0.18242636	3.0790092	21	—	—
97274 1999 XG_{142}	13.8	X	3.37758	342.87347	77.60606	31.43938	0.1555832	0.22657721	2.6647629	21	—	—
97275 1999 XT_{142}	13.5	X	162.76286	216.83962	286.48741	30.04139	0.0436808	0.21001518	2.8030807	21	7 29.0	17.8
97276 1999 XC_{143}	14.4	X	169.92070	338.02632	85.38051	4.86493	0.1769202	0.25213688	2.4814858	21	5 7.3	18.3
97277 1999 XJ_{144}	14.0	X	338.36860	330.17719	66.06563	13.50733	0.1816962	0.21984798	2.7188655	21	11 10.2	16.7
97278 1999 XM_{144}	13.7	X	168.81228	99.55760	72.58138	15.97783	0.2128500	0.21024283	2.8010568	21	9 27.1	18.8
97279 1999 XT_{144}	14.2	X	298.74824	342.73611	104.41836	18.19849	0.0619979	0.17381524	3.1798807	21	11 12.1	18.8
97280 1999 XZ_{150}	14.5	X	352.50201	337.24512	64.11889	14.91129	0.2780237	0.22757170	2.6569939	21	12 29.1	17.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
97281 1999 XD_{151}	14.9	X	260.06821	332.54813	78.92060	11.05408	0.1799105	0.21673592	2.7448300	21	7 18.3	18.9
97282 1999 XQ_{152}	14.5	X	301.28069	329.00099	148.84388	6.08872	0.0576520	0.22833600	2.6510614	21	12 29.1	17.8
97283 1999 XH_{155}	14.7	X	267.12788	271.52075	207.82892	3.61504	0.1528242	0.17600220	3.1534841	21	10 21.6	19.1
97284 1999 XC_{159}	14.4	X	141.52578	11.46381	103.75703	10.53154	0.0679183	0.20393003	2.8585684	21	6 8.0	18.6
97285 1999 XE_{161}	14.5	X	54.22915	164.54029	322.55988	11.38421	0.0925317	0.19265661	2.9690222	21	3 1.8	18.3
97286 1999 XF_{162}	14.9	X	12.04067	61.76369	349.98132	13.90034	0.0536327	0.22616319	2.6680140	21	—	—
97287 1999 XP_{163}	14.9	X	191.76534	167.80419	110.12566	13.65428	0.1338900	0.18207732	3.0829429	21	—	—
97288 1999 XM_{164}	13.7	X	291.57030	75.27019	101.02666	17.54075	0.1893838	0.17988888	3.1078962	21	—	—
97289 1999 XR_{165}	16.2	X	307.94585	271.16399	298.89822	17.53911	0.0552966	0.37090079	1.9185106	21	—	—
97290 1999 XK_{167}	14.5	X	265.09221	134.09408	277.12841	9.14033	0.2558300	0.21496470	2.7598869	21	7 12.2	18.7
97291 1999 XL_{169}	14.4	X	270.65347	118.65359	16.77348	4.55877	0.1231758	0.17733107	3.1377101	21	11 18.3	18.7
97292 1999 XQ_{172}	14.5	X	282.93507	136.25182	73.44029	12.00450	0.0656886	0.18564295	3.0433396	21	—	—
97293 1999 XG_{175}	13.9	X	216.75027	72.19526	92.51470	19.35143	0.1134939	0.17110512	3.2133698	21	11 1.6	19.1
97294 1999 XW_{177}	14.4	X	277.56078	96.28348	84.09538	9.09363	0.0877024	0.18082980	3.0971059	21	—	—
97295 1999 XP_{178}	14.8	X	260.37743	98.51844	323.57300	8.15550	0.1559684	0.21172706	2.7879510	21	8 4.7	18.6
97296 1999 XS_{179}	14.5	X	314.20638	36.68480	40.71673	3.60941	0.1222920	0.17511873	3.1640814	21	11 9.9	18.4
97297 1999 XU_{180}	13.7	X	328.64759	7.13570	81.74564	14.49798	0.1777460	0.17648962	3.1476753	21	12 17.7	17.1
97298 1999 XA_{181}	15.0	X	184.34269	103.64966	2.08672	8.73858	0.1203910	0.21019914	2.8014449	21	7 14.9	19.6
97299 1999 XB_{181}	14.6	X	194.33225	122.54741	338.56884	7.37010	0.1913205	0.21038301	2.7998124	21	7 16.5	19.3
97300 1999 XM_{183}	15.1	X	220.38922	93.14768	346.17981	7.47718	0.2325759	0.21104745	2.7939330	21	7 9.8	19.9
97301 1999 XN_{186}	15.5	X	245.28508	56.39364	13.07571	5.02674	0.1457763	0.21285723	2.7780738	21	7 29.9	19.6
97302 1999 XS_{189}	15.4	X	359.63264	334.65430	15.15877	5.62223	0.0825268	0.21782705	2.7356562	21	10 6.9	18.6
97303 1999 XL_{190}	14.9	X	293.57904	106.71996	310.09278	6.81836	0.1440900	0.21735522	2.7396137	21	9 11.7	18.4
97304 1999 XQ_{190}	14.7	X	320.15209	48.60508	53.20375	10.39811	0.0558512	0.18018720	3.1044649	21	12 23.3	18.8
97305 1999 XU_{191}	14.9	X	311.56712	122.44259	17.12110	7.66773	0.1144204	0.18259457	3.0771180	21	—	—
97306 1999 XH_{192}	15.4	X	276.77213	78.07711	324.72233	5.28347	0.1703516	0.21386324	2.7693549	21	7 28.8	19.0
97307 1999 XL_{192}	13.7	X	67.30602	260.36153	61.31485	16.92516	0.1255462	0.17678059	3.1442205	21	11 30.9	18.3
97308 1999 XT_{192}	14.7	X	304.72412	86.76484	49.79969	12.96060	0.1135498	0.18131706	3.0915548	21	—	—
97309 1999 XG_{196}	14.5	X	185.14728	143.56760	45.21768	10.00273	0.2074114	0.21540232	2.7561476	21	10 23.2	19.1
97310 1999 XU_{197}	14.5	X	314.62436	99.95473	26.64539	9.58130	0.1856393	0.18055119	3.1002911	21	—	—
97311 1999 XB_{198}	14.1	X	51.57395	21.60868	63.27020	10.49998	0.0881993	0.23368880	2.6104224	21	—	—
97312 1999 XQ_{201}	15.3	X	236.68354	48.59413	359.76709	7.66482	0.1861370	0.20906846	2.8115364	21	6 17.7	19.9
97313 1999 XM_{206}	13.6	X	298.08090	42.76759	77.41543	19.37675	0.1158375	0.17663008	3.1460065	21	12 9.9	17.6
97314 1999 XV_{206}	14.9	X	160.91959	29.57525	72.44566	15.38558	0.1793348	0.20259374	2.8711246	21	6 16.4	19.6
97315 1999 XA_{211}	15.2	X	357.38980	73.44147	318.36928	13.30582	0.1143273	0.22222297	2.6994591	21	11 30.6	18.7
97316 1999 XC_{212}	14.7	X	122.75658	17.99302	346.09045	11.25522	0.1471618	0.18873806	3.0099761	21	1 13.2	19.2
97317 1999 XS_{213}	14.4	X	266.35131	295.49703	238.37007	14.69388	0.1971383	0.18037274	3.1023357	21	12 19.7	18.6
97318 1999 XW_{214}	15.2	X	335.36935	271.48469	122.30659	8.46681	0.2259160	0.22039323	2.7143794	21	11 2.2	17.6
97319 1999 XH_{215}	13.5	X	298.84250	331.44288	110.13920	22.84763	0.0158178	0.17386932	3.1792212	21	11 12.3	18.4
97320 1999 XM_{219}	15.5	X	305.51340	211.65302	102.74289	3.11963	0.0436392	0.20251171	2.8718998	21	5 29.9	19.3
97321 1999 XO_{220}	14.4	X	30.39587	344.53993	85.00843	14.00434	0.1455809	0.23467413	2.6031103	21	—	—
97322 1999 XQ_{231}	14.3	X	66.02011	38.29854	70.82096	14.10374	0.2373359	0.19105585	2.9855831	21	3 27.4	18.1
97323 1999 XU_{232}	15.6	X	205.07819	184.06912	31.01181	1.21377	0.1402867	0.17534541	3.1613539	21	12 8.2	20.5
97324 1999 XE_{235}	14.8	X	160.87168	248.01823	84.55153	10.95376	0.0585191	0.19272747	2.9682944	21	1 4.1	19.2
97325 1999 XM_{241}	15.2	X	322.30899	291.20852	93.82448	10.61580	0.0896054	0.21865143	2.7287757	21	9 30.7	18.6
97326 1999 XN_{241}	14.7	X	255.21735	330.45707	90.34159	13.96984	0.1032536	0.21389174	2.7691089	21	8 5.8	18.7
97327 1999 XZ_{241}	15.3	X	257.09686	146.34360	288.61332	8.08815	0.1181286	0.21601180	2.7509608	21	8 19.5	19.2
97328 1999 XJ_{242}	14.8	X	304.59950	65.83685	47.68775	12.78086	0.1740078	0.17779891	3.1322036	21	12 4.6	18.4
97329 1999 XO_{243}	13.3	X	222.46287	225.27865	326.86345	23.39572	0.1982279	0.17395452	3.1781830	21	11 15.6	18.8
97330 1999 XE_{245}	14.6	X	140.98681	120.10654	218.95751	14.55320	0.1395871	0.19047715	2.9916271	21	—	—
97331 1999 XV_{245}	14.9	X	93.46101	266.60173	118.91626	11.51491	0.1042337	0.18980532	2.9986823	21	—	—
97332 1999 XN_{249}	14.8	X	100.98258	294.40869	99.67820	11.83754	0.1126656	0.19210355	2.9747179	21	1 15.3	18.9
97333 1999 XW_{256}	13.8	X	143.03644	197.28149	58.50432	28.48931	0.1102123	0.17909522	3.1170712	21	11 27.6	18.7
97334 1999 XY_{256}	14.2	X	295.00410	146.07649	39.43008	10.45677	0.0320762	0.18878664	3.0094598	21	—	—
97335 1999 YF	16.6	X	82.45305	37.22845	104.98790	22.81627	0.0832166	0.38463149	1.8725762	21	4 25.4	18.9
97336 1999 YB_{1}	16.0	X	186.87145	225.40069	107.34613	7.86466	0.2583193	0.28705165	2.2759498	21	1 29.7	19.7
97337 1999 YA_{3}	14.7	X	335.95464	82.61026	310.84050	25.41580	0.2099801	0.22255482	2.6967750	21	10 11.3	18.0
97338 1999 YM_{12}	14.5	X	328.97363	177.19111	290.70641	5.08304	0.0857464	0.17972209	3.1098188	21	—	—
97339 1999 YN_{14}	14.6	X	62.14084	5.59167	4.84817	9.77181	0.1369765	0.18293593	3.0732888	21	—	—
97340 1999 YS_{27}	14.3	X	237.59599	242.70124	353.32231	14.83345	0.1854404	0.22760866	2.6567062	21	—	—
97341 2000 AU_{1}	14.9	X	140.92279	328.95616	122.56803	6.57336	0.1700051	0.19924852	2.9031712	21	5 18.2	19.5
97342 2000 AH_{4}	15.7	X	46.22547	82.42767	78.70393	23.11127	0.0881927	0.37359180	1.9092868	21	3 19.9	18.0
97343 2000 AW_{6}	15.0	X	122.11316	285.54183	52.20568	8.66283	0.0861046	0.23244682	2.6197126	21	—	—
97344 2000 AZ_{7}	14.2	X	92.41786	328.68805	81.68058	16.49683	0.0551545	0.18993042	2.9973654	21	1 17.4	18.4
97345 2000 AO_{8}	14.4	X	352.65069	325.09200	56.99981	6.52588	0.1704526	0.17462522	3.1700399	21	11 5.4	17.8
97346 2000 AF_{10}	13.8	X	214.80760	200.36785	47.53177	12.51803	0.1451716	0.23321105	2.6139863	21	—	—
97347 2000 AX_{11}	14.7	X	94.74108	17.95782	16.80184	1.07734	0.1308729	0.19062791	2.9900496	21	1 10.7	18.6
97348 2000 AB_{12}	15.0	X	182.39992	344.72811	344.40153	3.22552	0.2049787	0.24054169	2.5606043	21	1 24.8	19.3
97349 2000 AM_{14}	14.7	X	336.13563	30.73488	30.47929	1.20307	0.1480809	0.17782637	3.1318812	21	11 25.8	18.2
97350 2000 AT_{14}	14.6	X	76.86698	8.92042	57.69425	3.77801	0.1365502	0.19111968	2.9849183	21	1 26.7	18.2
97351 2000 AX_{18}	14.7	X	342.13463	174.03088	280.28031	11.51852	0.1254143	0.18313032	3.0711136	21	—	—
97352 2000 AL_{21}	14.3	X	51.29528	355.03347	89.81446	13.70549	0.0315880	0.18846432	3.0128901	21	1 3.2	18.4
97353 2000 AE_{23}	14.4	X	153.04794	313.12624	92.27670	13.12696	0.0534894	0.19661631	2.9290246	21	3 30.2	18.9
97354 2000 AZ_{24}	14.5	X	76.42529	111.86438	281.50666	7.51433	0.0623771	0.18503041	3.0500525	21	—	—
97355 2000 AX_{25}	14.4	X	77.33854	332.56959	92.51356	10.77316	0.0635254	0.18881494	3.0091591	21	1 16.6	18.3
97356 2000 AY_{27}	15.2	X	125.69257	111.26942	26.36879	2.14680	0.0115389	0.20241300	2.8728334	21	6 10.2	19.1
97357 2000 AA_{29}	14.2	X	298.47321	94.32883	93.25325	11.51712	0.0651565	0.18462202	3.0545487	21	—	—
97358 2000 AA_{30}	14.6	X	6.36787	231.11932	307.04021	9.11851	0.0541069	0.19206759	2.9750892	21	2 23.8	18.6
97359 2000 AC_{32}	14.2	X	257.25856	55.94612	91.22326	13.23433	0.0838236	0.17447693	3.1718359	21	11 24.2	18.7
97360 2000 AG_{32}	14.2	X	284.74586	144.88678	341.67941	4.99187	0.1192558	0.17585738	3.1552152	21	11 26.7	18.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
97361 2000 AV$_{32}$	15.2	X	203.80006	19.71858	27.28516	2.06848	0.1648384	0.20306113	2.8667172	21	5 17.9	19.8
97362 2000 AR$_{34}$	14.2	X	309.57127	110.55929	315.39909	16.56337	0.1281273	0.17193786	3.2029859	21	10 8.5	18.6
97363 2000 AS$_{36}$	14.7	X	298.82907	128.66642	52.79764	0.93695	0.1971961	0.18270495	3.0758784	21	—	—
97364 2000 AZ$_{42}$	14.5	X	80.71260	46.79235	109.29230	17.74022	0.1788782	0.24523110	2.5278562	21	6 2.9	17.9
97365 2000 AB$_{43}$	14.1	X	192.08360	102.23950	107.04976	25.21937	0.2442428	0.21819479	2.7325816	21	11 26.2	19.1
97366 2000 AZ$_{47}$	14.9	X	180.43816	122.26986	118.05914	9.36862	0.2286426	0.21694629	2.7430553	21	12 16.7	19.6
97367 2000 AS$_{51}$	15.2	X	89.80811	45.22314	334.16102	6.91633	0.1815392	0.23723618	2.5843348	21	—	—
97368 2000 AG$_{52}$	14.8	X	320.56663	19.60553	37.30511	12.28352	0.1642770	0.22384947	2.6863669	21	11 1.4	17.5
97369 2000 AF$_{55}$	14.5	X	272.03221	29.39178	122.87717	2.17586	0.1259424	0.17627564	3.1502221	21	12 11.2	18.8
97370 2000 AF$_{58}$	14.3	X	278.30260	203.61919	303.42201	9.23712	0.0771269	0.17603826	3.1530535	21	12 19.7	18.6
97371 2000 AO$_{58}$	16.1	X	321.60066	75.73974	324.50116	4.03494	0.1377481	0.30794251	2.1718156	21	10 28.6	17.7
97372 2000 AB$_{62}$	15.2	X	78.05102	327.69635	101.64750	2.50328	0.2356685	0.18929860	3.0040313	21	2 15.3	18.7
97373 2000 AE$_{63}$	14.9	X	101.23830	104.49634	330.77227	9.60758	0.2251887	0.19270123	2.9685638	21	3 19.8	19.1
97374 2000 AS$_{65}$	14.5	X	0.13988	210.82389	356.30471	8.43689	0.1276102	0.19126149	2.9834426	21	3 21.6	17.9
97375 2000 AX$_{66}$	14.4	X	78.63777	134.21723	348.39299	10.34352	0.1250651	0.19256861	2.9699266	21	4 4.4	18.4
97376 2000 AF$_{67}$	14.7	X	218.86606	146.74247	45.92838	0.74762	0.1460446	0.17275293	3.1929033	21	11 24.8	19.5
97377 2000 AL$_{67}$	14.5	X	268.71692	331.80607	312.79972	8.54007	0.0562418	0.19110514	2.9850697	21	3 2.4	18.9
97378 2000 AN$_{67}$	14.8	X	155.50657	267.96307	120.69916	10.71100	0.0764307	0.19158084	2.9801263	21	3 11.5	19.3
97379 2000 AJ$_{69}$	14.8	X	189.58816	48.00732	91.46860	17.82113	0.1852662	0.21208715	2.7847945	21	9 3.4	19.7
97380 2000 AR$_{69}$	13.8	X	255.45202	73.76725	93.42600	17.11098	0.1908474	0.17898000	3.1184088	21	12 1.9	18.4
97381 2000 AO$_{72}$	15.2	X	130.87712	351.49321	100.29703	12.28676	0.1069670	0.20077904	2.8883986	21	5 4.9	19.7
97382 2000 AS$_{72}$	14.2	X	76.36523	163.77816	92.56553	12.92552	0.0792766	0.21584266	2.7523978	21	9 29.1	18.2
97383 2000 AJ$_{76}$	14.7	X	9.08655	327.21041	120.71940	10.59385	0.1562920	0.18463694	3.0543841	21	—	—
97384 2000 AF$_{82}$	14.7	X	0.26436	188.80151	247.73038	7.69388	0.0903121	0.18180233	3.0860509	21	—	—
97385 2000 AE$_{85}$	14.6	X	314.05061	175.89397	269.37411	3.99453	0.0955347	0.17513686	3.1638630	21	11 21.2	18.7
97386 2000 AQ$_{86}$	14.8	X	234.99186	107.81519	121.44447	14.52861	0.1268852	0.22596309	2.6695888	21	—	—
97387 2000 AY$_{88}$	14.1	X	89.02368	91.21477	286.49799	8.56483	0.0906662	0.18272310	3.0756748	21	—	—
97388 2000 AU$_{90}$	15.0	X	232.72259	355.78070	130.72274	10.38800	0.1095284	0.21388839	2.7691378	21	10 3.9	19.1
97389 2000 AZ$_{96}$	13.9	X	17.22296	141.50477	334.84675	15.19351	0.1679238	0.18327254	3.0695246	21	—	—
97390 2000 AD$_{99}$	15.6	X	342.60855	294.30000	126.34069	4.00720	0.2642310	0.22699083	2.6615248	21	—	—
97391 2000 AZ$_{100}$	15.1	X	102.23041	178.64240	184.37688	7.15332	0.2676216	0.23690635	2.5867329	21	—	—
97392 2000 AE$_{101}$	14.6	X	307.26858	331.92005	88.63935	13.81395	0.2488684	0.22153506	2.7050444	21	10 8.7	17.5
97393 2000 AK$_{101}$	15.2	X	281.66612	48.22708	82.50354	15.12230	0.0617221	0.22666130	2.6641038	21	12 16.8	18.5
97394 2000 AR$_{102}$	14.3	X	153.89100	42.19915	99.27392	14.41986	0.0738793	0.21074984	2.7965626	21	7 26.5	18.5
97395 2000 AT$_{102}$	15.0	X	300.97534	26.40192	96.08981	12.90104	0.2001271	0.22621742	2.6675875	21	12 24.2	17.3
97396 2000 AK$_{103}$	14.3	X	83.53125	295.87278	108.75906	11.87704	0.0500736	0.19070158	2.9892795	21	—	—
97397 2000 AG$_{106}$	14.3	X	281.23614	8.09618	112.61580	12.69183	0.0957611	0.17697862	3.1418745	21	11 22.7	18.6
97398 2000 AR$_{108}$	14.8	X	81.02846	107.73763	268.51950	8.52004	0.0821869	0.18370256	3.0647325	21	—	—
97399 2000 AR$_{115}$	13.5	X	161.69821	332.15737	276.43028	18.50281	0.1371150	0.17364173	3.1819985	21	12 7.8	18.7
97400 2000 AG$_{124}$	14.9	X	203.61275	354.78573	132.89658	8.92487	0.1615241	0.20929433	2.8095131	21	8 27.9	19.3
97401 2000 AK$_{124}$	13.8	X	114.73162	185.85832	131.14886	23.19129	0.0356605	0.17685231	3.1433704	21	—	—
97402 2000 AQ$_{128}$	14.7	X	276.90901	206.46934	287.23451	4.34659	0.1383350	0.17375613	3.1806018	21	11 22.0	18.8
97403 2000 AQ$_{131}$	14.7	X	49.39795	42.40500	41.03233	9.13347	0.0997558	0.18872209	3.0101459	21	1 2.4	18.5
97404 2000 AY$_{131}$	14.2	X	159.67298	160.14676	102.89369	17.11765	0.0403241	0.17827727	3.1265982	21	12 25.0	18.8
97405 2000 AW$_{135}$	14.9	X	97.61918	11.18835	87.95963	7.10437	0.0723688	0.19473260	2.9478832	21	3 29.9	19.0
97406 2000 AY$_{135}$	14.4	X	185.14211	145.26829	48.31072	2.03232	0.2743028	0.16819387	3.2503436	21	10 21.3	20.2
97407 2000 AU$_{138}$	15.0	X	17.79643	314.34014	141.68116	4.87313	0.1784164	0.23547727	2.5971880	21	—	—
97408 2000 AV$_{138}$	14.5	X	31.01429	5.64177	92.71587	11.56645	0.0860050	0.23836376	2.5761782	21	—	—
97409 2000 AT$_{139}$	14.5	X	0.56889	87.25884	79.85776	13.85457	0.1345310	0.24153719	2.5535637	21	1 16.3	17.4
97410 2000 AW$_{148}$	15.5	X	292.47021	244.59536	146.98463	8.68067	0.2959861	0.21673337	2.7448516	21	7 13.7	19.2
97411 2000 AT$_{151}$	14.8	X	317.92159	347.63716	51.80286	14.50336	0.1743001	0.22312120	2.6922093	21	10 8.1	17.7
97412 2000 AO$_{153}$	14.6	X	326.06106	169.62808	273.24048	21.28722	0.0438118	0.22822600	2.6519132	21	12 20.0	18.0
97413 2000 AZ$_{153}$	14.2	X	249.51163	222.84384	301.73298	8.64425	0.0490763	0.17870765	3.1215763	21	12 8.3	18.7
97414 2000 AF$_{154}$	15.1	X	283.66223	333.45988	58.13019	6.61445	0.0429917	0.21124076	2.7922281	21	8 14.1	18.9
97415 2000 AZ$_{155}$	16.5	X	298.17539	297.14666	281.11564	18.94398	0.0597501	0.37403507	1.9077780	21	—	—
97416 2000 AE$_{161}$	14.4	X	246.40854	104.97683	67.40735	7.83168	0.1219650	0.17504754	3.1649392	21	12 3.5	18.8
97417 2000 AT$_{161}$	14.6	X	296.89511	328.19088	29.59684	9.47369	0.2801705	0.21665697	2.7454968	21	6 5.4	18.3
97418 2000 AK$_{162}$	15.1	X	66.10036	149.85835	329.08681	4.80263	0.1252867	0.19110909	2.9850286	21	3 14.5	18.9
97419 2000 AU$_{168}$	14.8	X	343.94535	316.44995	99.85468	15.91750	0.0751191	0.22566792	2.6719162	21	12 13.1	18.0
97420 2000 AN$_{169}$	14.6	X	182.84549	261.61634	111.84099	14.00459	0.2433029	0.20122476	2.8841318	21	3 28.8	19.9
97421 2000 AK$_{176}$	15.6	X	239.24684	237.19872	201.74452	7.21190	0.2037751	0.21274715	2.7790320	21	7 25.6	20.0
97422 2000 AO$_{185}$	14.9	X	286.93623	286.79283	115.30396	10.29373	0.1782951	0.21865964	2.7287074	21	8 10.7	18.3
97423 2000 AE$_{187}$	14.5	X	78.68622	283.80481	149.89006	12.71350	0.1256445	0.23966739	2.5668279	21	1 23.0	17.5
97424 2000 AB$_{191}$	14.8	X	317.00187	307.87857	145.18903	13.35308	0.1745305	0.22342274	2.6897864	21	12 17.5	17.7
97425 2000 AP$_{192}$	14.7	X	277.03067	196.99885	196.16706	10.94510	0.2499687	0.21232822	2.7826863	21	7 2.3	18.9
97426 2000 AH$_{194}$	14.3	X	260.41839	322.05029	167.26637	15.02124	0.1209540	0.17279716	3.1923584	21	11 1.9	19.0
97427 2000 AK$_{199}$	14.4	X	93.21691	327.23845	97.71613	16.95679	0.0986895	0.24254255	2.5465024	21	2 1.4	17.6
97428 2000 AT$_{199}$	14.5	X	341.94044	331.45887	114.40081	15.84928	0.2262760	0.22957966	2.6414787	21	—	—
97429 2001 AT$_{201}$	16.7	X	74.06396	284.60536	140.12717	23.80850	0.1145729	0.37076751	1.9189704	21	—	—
97430 2000 AZ$_{202}$	14.7	X	311.82434	244.98625	230.32280	12.90141	0.2186771	0.17558363	3.1584938	21	12 16.7	18.1
97431 2000 AR$_{204}$	14.8	X	184.43729	272.33635	160.32112	15.41701	0.2738164	0.20434694	2.8546790	21	6 4.2	20.2
97432 2000 AG$_{227}$	14.5	X	268.27390	223.45785	322.93009	19.78060	0.0397091	0.17687551	3.1430955	21	—	—
97433 2000 AP$_{230}$	14.7	X	178.33519	189.59204	342.50468	9.76089	0.1125797	0.21071073	2.7969086	21	9 26.1	19.1
97434 2000 AU$_{234}$	14.4	X	234.07941	246.96280	274.08228	3.59249	0.1113969	0.17390536	3.1787819	21	11 6.6	19.1
97435 2000 AX$_{235}$	14.6	X	85.86776	324.63289	120.95721	12.61275	0.0848619	0.19075431	2.9887285	21	2 26.9	18.7
97436 2000 AB$_{238}$	14.6	X	306.19637	11.05787	94.20539	14.62839	0.1324006	0.22687551	2.6624266	21	12 16.1	17.4
97437 2000 AR$_{238}$	14.4	X	17.53991	125.46726	294.40570	12.59495	0.1381805	0.18051151	3.1007455	21	—	—
97438 2000 AH$_{244}$	15.0	X	325.90186	273.38275	142.11763	13.16123	0.1382285	0.22282951	2.6945583	21	11 15.6	18.2
97439 2000 AF$_{248}$	14.1	X	59.12136	99.90805	297.05067	14.12093	0.1560820	0.23341870	2.6124358	21	—	—
97440 2000 AW$_{249}$	15.1	X	77.17128	135.81612	303.04587	8.01081	0.0344297	0.18776208	3.0203976	21	1 29.3	19.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
97441 2000 BH_2	14.6	X	222.80490	218.38964	337.09376	2.99156	0.1197447	0.17254342	3.1954874	21	12 4.4	19.3
97442 2000 BF_7	14.9	X	229.19273	200.49420	76.87288	11.35238	0.0208591	0.23590158	2.5940728	21	1 3.8	18.5
97443 2000 BD_{18}	14.7	X	314.56495	142.57127	9.59287	5.51186	0.1153083	0.18161096	3.0882184	21	—	—
97444 2000 BW_{20}	16.0	X	185.01714	196.10334	136.68970	8.55581	0.1839248	0.27960842	2.3161635	21	1 23.7	19.6
97445 2000 BK_{21}	15.0	X	104.47230	136.78806	308.03446	8.43656	0.0549707	0.19190326	2.9767873	21	3 11.1	19.2
97446 2000 BB_{27}	15.0	X	286.47120	323.19715	107.24129	4.63282	0.0397699	0.21244388	2.7816762	21	10 8.8	18.7
97447 2000 BM_{30}	13.8	X	135.24873	14.25653	321.59108	17.38573	0.1790136	0.18042224	3.1017682	21	—	—
97448 2000 BW_{33}	14.4	X	16.09597	118.23873	323.81959	8.87506	0.0638664	0.18031738	3.1029706	21	—	—
97449 2000 BE_{39}	15.4	X	46.62299	275.07982	278.18864	0.94712	0.0133469	0.19843427	2.9111076	21	5 10.3	19.3
97450 2000 BE_{49}	15.7	X	89.57163	232.91735	171.93291	0.24656	0.2534882	0.18890240	3.0082302	21	2 3.3	19.6
97451 2000 CA	14.4	X	333.04039	30.88898	89.66941	13.36905	0.1022374	0.17869733	3.1216965	21	—	—
97452 2000 CB_8	16.5	X	112.05560	293.63451	344.97652	16.89944	0.0848752	0.35422508	1.9782591	21	12 26.7	19.4
97453 2000 CG_9	14.4	X	258.81201	349.96688	121.22029	17.66429	0.0749284	0.17095430	3.2152595	21	10 19.5	19.3
97454 2000 CP_9	14.9	X	114.23549	282.83213	291.60657	6.74083	0.0748565	0.20912071	2.8110680	21	9 9.0	19.1
97455 2000 CL_{13}	14.3	X	262.29652	245.50731	213.51736	1.25072	0.1399918	0.16912329	3.2384245	21	9 21.3	19.0
97456 2000 CU_{13}	14.5	X	354.11267	181.62565	247.57325	5.49673	0.1784048	0.17841737	3.1249611	21	—	—
97457 2000 CV_{15}	14.7	X	3.43482	155.79670	260.91911	4.60290	0.0477343	0.17708549	3.1406104	21	12 26.0	18.9
97458 2000 CC_{18}	15.1	X	100.87228	128.15393	284.65950	7.12708	0.2031128	0.19016035	2.9949488	21	2 17.5	19.2
97459 2000 CP_{19}	14.6	X	119.23220	114.44593	281.47000	7.73298	0.0447754	0.18751696	3.0230293	21	1 29.7	18.8
97460 2000 CQ_{19}	14.7	X	279.74037	294.07133	281.92820	6.94621	0.0404130	0.18371763	3.0645650	21	—	—
97461 2000 CZ_{19}	14.0	X	106.28560	91.78086	275.58642	9.44287	0.1437108	0.18309484	3.0715104	21	—	—
97462 2000 CN_{22}	14.1	X	118.31777	81.33652	302.21119	9.76734	0.1581096	0.18690097	3.0296678	21	1 30.1	18.4
97463 2000 CU_{25}	14.9	X	107.35159	283.98306	148.38590	11.71155	0.2216957	0.19243370	2.9713146	21	3 28.9	19.3
97464 2000 CH_{26}	14.6	X	244.87447	266.02216	296.04926	3.87975	0.1089400	0.17592966	3.1543509	21	—	—
97465 2000 CX_{30}	15.4	X	160.86174	239.15623	179.95597	7.16140	0.2047750	0.19840377	2.9114060	21	4 28.5	20.2
97466 2000 CV_{31}	14.5	X	198.28546	330.83415	311.56713	8.62649	0.0602144	0.18073700	3.0981659	21	—	—
97467 2000 CH_{33}	14.7	X	305.20403	355.58963	141.18811	1.75837	0.1937558	0.17641085	3.1486123	21	—	—
97468 2000 CF_{37}	14.4	X	316.01082	251.47443	328.26754	3.61979	0.0680651	0.18500141	3.0503712	21	2 10.4	18.6
97469 2000 CT_{38}	14.5	X	1.33539	290.99409	128.68219	9.57688	0.0367793	0.17532434	3.1616071	21	12 25.9	18.8
97470 2000 CY_{39}	16.2	X	34.74633	318.02719	149.70201	23.23308	0.0593918	0.36891083	1.9254036	21	—	—
97471 2000 CS_{40}	14.8	X	292.83122	77.52500	134.32880	15.55810	0.1117241	0.18165182	3.0877554	21	—	—
97472 Hobby	15.5	X	292.58170	185.57271	323.32527	9.74951	0.1748354	0.17643529	3.1483215	21	12 31.9	19.4
97473 2000 CF_{46}	14.8	X	90.75464	161.50860	310.84976	9.30483	0.0245067	0.19156942	2.9802447	21	3 22.9	19.1
97474 2000 CX_{47}	14.4	X	55.13347	218.92871	303.26472	10.23012	0.0708037	0.19281800	2.9673652	21	4 12.5	18.5
97475 2000 CP_{50}	15.4	X	318.53814	309.36434	200.21099	1.78118	0.2171014	0.17907490	3.1173070	21	—	—
97476 2000 CS_{51}	14.5	X	307.23925	36.34273	168.35687	5.86967	0.2392131	0.18138164	3.0908209	21	—	—
97477 2000 CG_{52}	14.8	X	346.62180	231.18304	299.45055	3.68144	0.1807753	0.18391521	3.0623697	21	1 7.5	18.4
97478 2000 CP_{53}	13.9	X	122.53400	129.16299	330.72975	8.95363	0.0225043	0.19244927	2.9711543	21	4 16.3	18.2
97479 2000 CU_{56}	13.8	X	72.12974	30.68890	322.60798	16.17935	0.0905491	0.17460870	3.1702399	21	—	—
97480 2000 CV_{58}	16.3	X	205.75883	354.51848	351.00933	18.26470	0.0744480	0.37643444	1.8996626	21	2 15.5	18.6
97481 2000 CF_{61}	14.1	X	321.10125	319.25527	308.44539	10.00660	0.0658884	0.19243275	2.9713243	21	4 11.9	18.3
97482 2000 CC_{64}	14.2	X	313.58302	249.28666	334.04830	13.82830	0.2866091	0.18183984	3.0856264	21	1 15.9	18.9
97483 2000 CU_{64}	14.5	X	85.65871	51.85829	332.79290	9.32088	0.1440792	0.18299476	3.0726300	21	—	—
97484 2000 CC_{65}	15.2	X	334.69555	54.82786	107.23808	2.23260	0.1363880	0.18284774	3.0742769	21	—	—
97485 2000 CO_{66}	15.4	X	18.26480	224.11085	16.06789	5.62040	0.1771869	0.24157939	2.5532664	21	6 7.0	17.7
97486 2000 CS_{70}	14.2	X	132.47887	133.70258	323.57950	13.75714	0.0998892	0.19464225	2.9487954	21	5 2.5	18.9
97487 2000 CS_{71}	14.0	X	346.78697	126.90913	303.67834	8.97537	0.0539999	0.17250247	3.1959931	21	12 20.5	18.4
97488 2000 CG_{76}	14.2	X	213.02420	251.09443	333.14179	21.43599	0.1459949	0.17215932	3.2002386	21	12 28.6	19.5
97489 2000 CQ_{76}	14.3	X	299.65845	46.63365	57.08803	1.86091	0.1833748	0.17330536	3.1861145	21	11 13.2	17.9
97490 2000 CU_{78}	15.3	X	120.56148	146.91860	203.52435	1.74275	0.0856924	0.18064414	3.0992275	21	—	—
97491 2000 CX_{79}	16.6	X	342.05377	280.73678	161.14780	1.27744	0.1548681	0.26688687	2.3891930	21	—	—
97492 2000 CG_{81}	16.0	X	332.56461	301.37242	61.72194	0.97125	0.1280779	0.30229659	2.1987738	21	9 21.9	17.7
97493 2000 CU_{81}	15.2	X	278.74287	97.87926	41.32022	1.32452	0.1193879	0.17390997	3.1787257	21	12 4.5	19.3
97494 2000 CW_{81}	14.0	X	268.26059	65.97544	132.21619	6.04661	0.1777248	0.17724239	3.1387567	21	—	—
97495 2000 CL_{85}	14.6	X	320.96398	60.83287	111.44277	5.82457	0.1096190	0.18134314	3.0912583	21	—	—
97496 2000 CU_{86}	13.8	X	15.75267	112.57903	341.82653	21.43744	0.0716282	0.17954256	3.1118914	21	—	—
97497 2000 CQ_{88}	16.0	X	107.33598	185.83098	24.81958	4.19886	0.0743888	0.29593080	2.2301938	21	9 7.5	18.7
97498 2000 CX_{89}	14.4	X	311.41991	56.57588	110.04056	10.44993	0.1063545	0.18220529	3.0814992	21	—	—
97499 2000 CH_{90}	15.2	X	104.92818	314.81788	124.90543	2.70805	0.1031387	0.19103612	2.9857886	21	3 17.0	19.2
97500 2000 CY_{91}	14.7	X	61.81355	117.82666	346.91675	10.00856	0.1985838	0.18762635	3.0218541	21	3 1.4	18.1
97501 2000 CE_{92}	14.2	X	286.38186	110.66176	12.40911	4.49206	0.1531786	0.17219929	3.1997434	21	11 19.6	18.4
97502 2000 CL_{93}	14.7	X	16.75682	347.80881	150.87620	8.53329	0.2143449	0.18500866	3.0502915	21	1 15.0	18.0
97503 2000 CH_{94}	14.0	X	279.79401	194.82531	358.01443	10.52083	0.0378974	0.17635937	3.1492250	21	—	—
97504 2000 CO_{97}	14.6	X	318.66673	270.98724	168.16837	24.95533	0.2856982	0.17243111	3.1968748	21	11 10.1	18.1
97505 2000 CY_{99}	15.5	X	230.69071	194.83491	128.34001	2.44874	0.0972803	0.19143532	2.9816364	21	3 7.6	19.9
97506 2000 CJ_{100}	16.0	X	18.96358	77.86565	116.59303	0.97959	0.0858480	0.19294200	2.9660937	21	4 6.8	19.4
97507 2000 CV_{103}	14.9	X	134.92290	321.09849	276.32321	9.17288	0.1931415	0.20968252	2.8060446	21	11 4.5	19.7
97508 2000 CU_{110}	14.9	X	170.19817	80.34528	304.21487	8.96129	0.0170852	0.19209575	2.9747984	21	3 10.9	19.2
97509 2000 CC_{112}	14.8	X	53.87864	207.53180	252.36497	10.53972	0.1362502	0.18629630	3.0362199	21	1 29.3	18.6
97510 2000 CN_{112}	15.2	X	0.37423	45.29921	137.98723	3.13725	0.0299895	0.18940826	3.0028716	21	2 27.1	19.1
97511 2000 CH_{118}	15.5	X	68.39550	274.97129	136.58347	1.33649	0.1603374	0.18571130	3.0425927	21	—	—
97512 2000 CV_{118}	15.5	X	294.24546	51.24376	318.18900	1.15378	0.0803643	0.20396786	2.8582150	21	7 21.4	19.2
97513 2000 CD_{137}	15.3	X	313.31072	211.30610	111.37760	3.09908	0.0720782	0.20377117	2.8600539	21	6 16.9	18.8
97514 2000 DL_1	13.9	X	175.48964	119.06934	4.26461	35.35764	0.2721372	0.34385840	2.0178225	21	8 19.9	18.0
97515 2000 DW_3	16.2	X	264.49235	219.90638	43.16837	22.80202	0.0506668	0.37039384	1.9202608	21	—	—
97516 2000 DX_3	13.8	X	149.43426	158.57860	92.92504	22.41973	0.0542741	0.16962512	3.2320341	21	12 2.4	18.8
97517 2000 DV_5	15.6	X	107.49633	245.75336	111.72418	24.23590	0.1056243	0.36469382	1.9402176	21	—	—
97518 2000 DR_6	14.8	X	169.29456	323.54229	121.20288	3.78188	0.0797463	0.19888070	2.9067496	21	5 31.8	19.2
97519 2000 DM_{16}	14.3	X	315.09025	205.43739	9.57618	13.06729	0.1030504	0.18171235	3.0870696	21	2 4.1	18.8
97520 2000 DA_{18}	15.2	X	316.53074	40.03162	89.74305	1.03280	0.1467006	0.17814181	3.1281830	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
97521 2000 DF_{18}	15.0	X	76.43297	301.73114	145.83383	13.68088	0.1408915	0.23421438	2.6065157	21	2 11.5	17.9
97522 2000 DV_{19}	15.1	X	51.37891	31.05334	9.51109	1.24192	0.1886940	0.18093404	3.0959162	21	—	—
97523 2000 DW_{22}	14.7	X	64.30990	62.58661	336.58198	6.02288	0.2259145	0.18271333	3.0757844	21	—	—
97524 2000 DX_{22}	14.8	X	219.93859	340.00505	332.03388	9.43123	0.0660370	0.18758667	3.0222802	21	2 13.1	19.4
97525 2000 DP_{24}	14.8	X	74.19088	144.50544	334.40277	10.56070	0.0883835	0.19109630	2.9851617	21	3 19.5	18.7
97526 2000 DA_{25}	14.4	X	335.78704	79.31408	324.87249	7.29109	0.1249132	0.17005151	3.2266292	21	10 29.4	18.4
97527 2000 DL_{25}	14.9	X	305.51862	268.81209	292.69436	3.52712	0.1211082	0.18276820	3.0751688	21	—	—
97528 2000 DW_{25}	14.6	X	295.40016	310.16278	333.84779	10.10467	0.0695945	0.19289706	2.9665544	21	3 30.4	18.8
97529 2000 DL_{26}	14.4	X	178.06716	349.47474	330.21503	8.77569	0.0839742	0.18266598	3.0763159	21	1 12.5	19.1
97530 2000 DB_{28}	14.9	X	224.47253	81.96136	152.86660	1.65880	0.1360103	0.17590029	3.1547020	21	—	—
97531 2000 DD_{28}	14.8	X	122.85740	10.87656	330.60771	11.62978	0.0778539	0.17869490	3.1217248	21	—	—
97532 2000 DS_{28}	15.3	X	61.41768	194.66645	258.05370	0.55159	0.0672354	0.18583616	3.0412298	21	1 29.3	19.2
97533 2000 DW_{29}	15.6	X	54.84785	320.62711	225.19893	0.74707	0.0733011	0.19537197	2.9414483	21	5 18.9	19.3
97534 2000 DX_{32}	14.9	X	353.71353	270.84490	315.79424	1.56003	0.0478332	0.19242407	2.9714137	21	4 11.2	18.8
97535 2000 DY_{32}	15.0	X	292.81601	254.26411	329.72718	1.21275	0.1384131	0.18286449	3.0740892	21	1 10.0	19.5
97536 2000 DK_{34}	15.1	X	309.65166	11.59390	176.01774	1.45080	0.0806248	0.18165200	3.0877532	21	—	—
97537 2000 DC_{35}	14.9	X	11.93465	18.12748	113.41996	2.24600	0.0117280	0.18331039	3.0691021	21	1 11.3	19.1
97538 2000 DM_{35}	15.4	X	20.61010	311.95151	162.65973	3.40746	0.0893008	0.18307051	3.0717824	21	—	—
97539 2000 DF_{39}	14.6	X	210.43626	16.10008	193.18462	4.48692	0.1211078	0.17117631	3.2124789	21	12 8.3	19.5
97540 2000 DN_{41}	14.4	X	280.06499	127.87195	126.90411	2.09941	0.1749624	0.18412256	3.0600701	21	1 28.4	19.0
97541 2000 DV_{42}	13.7	X	53.40949	54.76225	339.65739	26.72256	0.1866028	0.17812744	3.1283512	21	—	—
97542 2000 DD_{43}	15.8	X	55.19458	129.92976	358.28217	2.59565	0.0776631	0.18856309	3.0118378	21	3 6.9	19.7
97543 2000 DE_{47}	15.1	X	104.41993	50.98513	336.11561	8.86601	0.1021805	0.18236562	3.0796928	21	1 13.2	19.4
97544 2000 DG_{47}	15.3	X	22.00112	304.79836	158.95969	2.37247	0.0915558	0.18164336	3.0878512	21	—	—
97545 2000 DL_{48}	14.8	X	66.47531	63.49433	342.53283	8.19780	0.1015982	0.18014023	3.1050045	21	—	—
97546 2000 DE_{52}	14.6	X	296.40219	110.79494	41.88657	1.45059	0.1090417	0.17598226	3.1537224	21	—	—
97547 2000 DL_{55}	15.1	X	65.08584	300.95091	122.78467	2.35131	0.1965041	0.18388987	3.0626510	21	1 12.4	18.5
97548 2000 DW_{55}	14.7	X	169.21441	32.95683	12.73785	1.48171	0.0198472	0.19183989	2.9774428	21	4 9.1	18.8
97549 2000 DM_{58}	15.4	X	142.93012	105.42676	326.61490	8.39920	0.1286590	0.19343962	2.9610047	21	4 17.2	20.0
97550 2000 DT_{59}	15.4	X	11.09991	46.25380	167.54747	1.37906	0.0224311	0.19237548	2.9719140	21	4 20.8	19.3
97551 2000 DO_{60}	14.9	X	299.98682	148.99862	348.20823	4.79781	0.1043307	0.17463569	3.1699133	21	—	—
97552 2000 DQ_{63}	14.1	X	170.78817	293.43967	333.42676	10.03325	0.0460720	0.17275667	3.1928573	21	—	—
97553 2000 DC_{64}	14.8	X	247.85072	353.08301	328.11919	8.37500	0.0080477	0.19021156	2.9944112	21	3 27.5	19.0
97554 2000 DB_{65}	15.5	X	59.30740	313.38525	172.41765	1.51904	0.1395430	0.18858875	3.0115647	21	3 16.4	19.2
97555 2000 DT_{68}	15.0	X	29.53007	111.89611	340.66312	9.93565	0.1825408	0.18183109	3.0857255	21	—	—
97556 2000 DK_{69}	14.8	X	346.88996	191.45131	340.74292	11.09378	0.0738252	0.18334495	3.0687163	21	1 25.9	19.0
97557 2000 DZ_{71}	14.4	X	15.32995	76.36221	356.03496	4.50723	0.1563550	0.17717321	3.1395737	21	—	—
97558 2000 DB_{73}	14.9	X	348.06143	9.87135	85.54455	0.63386	0.1745884	0.17682235	3.1437254	21	—	—
97559 2000 DW_{75}	16.2	X	208.78883	247.54603	153.19594	6.72586	0.1014020	0.28939583	2.2636427	21	5 14.7	19.5
97560 2000 DS_{76}	14.5	X	172.29494	129.03773	329.70773	4.75550	0.0619177	0.15305235	3.4613277	21	6 21.7	19.7
97561 2000 DQ_{77}	14.2	X	184.41815	242.90592	41.31104	1.41035	0.1617912	0.17449928	3.1715651	21	—	—
97562 2000 DM_{78}	14.6	X	210.72479	20.37449	343.48271	14.82080	0.0730899	0.19063757	2.9899485	21	3 31.4	19.3
97563 2000 DS_{82}	15.0	X	241.34192	52.82245	50.74793	4.45080	0.0521697	0.21030016	2.8005478	21	9 20.1	18.9
97564 2000 DM_{88}	15.0	X	81.14421	341.05610	129.35475	2.90262	0.1507250	0.18993148	2.9973543	21	3 31.9	18.8
97565 2000 DN_{91}	14.6	X	36.48162	185.72197	179.40681	1.17502	0.1118519	0.16968113	3.2313228	21	12 13.3	18.8
97566 2000 DG_{93}	14.5	X	308.51810	227.49963	336.98015	14.58680	0.0854180	0.18440967	3.0568931	21	1 14.7	19.0
97567 2000 DH_{93}	14.3	X	97.75203	80.69764	345.74494	8.55631	0.0874352	0.18837097	3.0138854	21	2 18.1	18.3
97568 2000 DZ_{94}	13.9	X	110.75187	58.46603	99.24558	4.73208	0.0628788	0.15420923	3.4439947	21	6 25.2	18.7
97569 2000 DJ_{102}	15.0	X	48.73218	313.99938	125.95906	10.53268	0.0503529	0.18121634	3.0927001	21	—	—
97570 2000 DM_{103}	14.8	X	96.35336	27.34838	40.78430	6.92910	0.0545335	0.18581942	3.0414124	21	2 15.9	19.0
97571 2000 DS_{103}	14.1	X	102.29743	301.97779	8.02315	11.74866	0.0996524	0.16958082	3.2325970	21	12 20.5	19.2
97572 2000 DU_{103}	14.3	X	8.01619	61.34056	6.44432	11.30593	0.0731938	0.17478141	3.1681511	21	—	—
97573 2000 DC_{108}	14.2	X	71.14576	259.92526	133.31989	16.44688	0.2803275	0.18285013	3.0742501	21	—	—
97574 2000 DA_{109}	15.4	X	81.79110	34.69395	120.85021	2.95090	0.0432278	0.19536567	2.9415115	21	5 13.4	19.4
97575 2000 DN_{109}	14.5	X	349.37880	199.48834	14.62300	10.12964	0.0429143	0.19005672	2.9960374	21	3 23.1	18.5
97576 2000 DK_{110}	14.2	X	281.34904	220.21926	349.07467	16.56956	0.1634209	0.17896473	3.1185862	21	—	—
97577 2000 DQ_{111}	15.2	X	78.18480	268.87415	145.90975	4.03359	0.2227291	0.18510349	3.0492497	21	1 25.8	18.9
97578 2000 DP_{116}	14.1	X	248.97514	55.00290	143.01976	20.12305	0.0499581	0.17851628	3.1238068	21	—	—
97579 2000 EX_{7}	14.6	X	323.16140	69.49207	46.90825	14.88002	0.1324841	0.17590089	3.1546948	21	—	—
97580 2000 EP_{8}	14.6	X	8.27154	318.49405	136.25575	2.45392	0.1306171	0.18037484	3.1023116	21	—	—
97581 2000 EL_{12}	14.9	X	162.53648	135.15416	97.27190	8.93834	0.1645336	0.21346096	2.7728332	21	11 25.8	19.5
97582 Hijikawa	14.9	X	15.01384	260.68820	157.12150	1.13996	0.1687096	0.17566688	3.1574958	21	—	—
97583 2000 EL_{16}	14.1	X	85.16886	73.36851	334.92621	8.56077	0.1149970	0.18208255	3.0828839	21	1 15.6	18.2
97584 2000 ET_{24}	14.6	X	1.61669	81.42980	1.45915	15.68255	0.2215330	0.17614095	3.1518279	21	—	—
97585 2000 EW_{25}	14.3	X	217.43724	120.80340	178.92740	5.12849	0.1440538	0.17885994	3.1198041	21	1 25.5	19.5
97586 2000 EQ_{26}	16.3	X	1.14533	99.23444	2.18870	19.53705	0.0786349	0.36087502	1.9538813	21	—	—
97587 2000 EN_{29}	14.8	X	82.48936	293.70013	141.57035	17.57893	0.0661308	0.18450547	3.0558349	21	2 5.3	18.8
97588 2000 EL_{33}	14.4	X	68.38440	275.50676	102.90601	6.20268	0.1570269	0.17633067	3.1495667	21	—	—
97589 2000 EM_{33}	15.0	X	335.10870	100.53567	103.02017	7.35836	0.0617434	0.18597877	3.0396749	21	2 17.8	19.1
97590 2000 EQ_{33}	15.9	X	127.31844	233.33050	83.74401	7.58374	0.0688563	0.26601846	2.3943899	21	—	—
97591 2000 EP_{34}	13.6	X	25.20214	333.35351	56.07291	15.10945	0.0192960	0.16953795	3.2331419	21	12 14.9	18.2
97592 2000 ER_{34}	14.0	X	241.82289	127.32389	133.55954	18.98542	0.1655293	0.17711392	3.1402744	21	1 3.4	19.3
97593 2000 EA_{36}	16.7	X	85.80681	63.04900	337.16666	2.12535	0.1811975	0.27420629	2.3464849	21	—	—
97594 2000 ET_{37}	14.0	X	10.01497	314.06538	177.13718	15.91506	0.1951208	0.18210649	3.0826137	21	—	—
97595 2000 EX_{37}	14.2	X	255.15210	183.20007	6.59320	4.45022	0.1124428	0.17257112	3.1951455	21	—	—
97596 2000 EM_{43}	14.9	X	25.47864	40.26440	100.00255	1.10031	0.1401436	0.18385930	3.0629904	21	2 7.0	18.2
97597 2000 EV_{50}	15.5	X	58.47926	236.30698	222.75365	3.35185	0.1701324	0.18644209	3.0346370	21	2 10.7	19.0
97598 2000 EZ_{51}	15.3	X	114.42529	200.55677	197.17394	0.85286	0.1539739	0.18486296	3.0518940	21	2 11.7	19.7
97599 2000 EH_{57}	13.9	X	143.30526	311.30121	352.81158	21.70852	0.0301001	0.17298665	3.1900267	21	—	—
97600 2000 EY_{65}	15.3	X	25.00791	46.00498	65.17267	1.65406	0.1430950	0.18123243	3.0925171	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
97601 2000 EK_{67}	15.4	X	128.80083	331.78065	339.13157	3.39781	0.1143829	0.21638187	2.7478233	21	—	—
97602 2000 EM_{69}	14.2	X	35.95123	120.53920	5.51552	15.74887	0.1782037	0.18412212	3.0600750	21	2 14.6	17.7
97603 2000 EG_{76}	14.4	X	302.31877	255.48404	21.33234	10.09574	0.0714016	0.19154396	2.9805088	21	4 3.9	18.5
97604 2000 EA_{77}	14.5	X	26.73338	61.05183	35.99296	9.75971	0.0747541	0.18109798	3.0940475	21	—	—
97605 2000 EE_{77}	14.5	X	109.72480	270.54972	117.15235	11.44559	0.0728434	0.18152499	3.0891934	21	1 14.9	18.9
97606 2000 EM_{77}	14.6	X	92.73692	40.18904	348.16314	9.12608	0.0763132	0.18160935	3.0882367	21	—	—
97607 2000 ER_{77}	14.9	X	349.28264	152.89473	110.04644	3.87821	0.0533200	0.19625655	2.9326030	21	5 23.7	18.7
97608 2000 EW_{82}	14.2	X	332.94161	73.40509	57.88736	8.08498	0.1301930	0.17804428	3.1293252	21	—	—
97609 2000 EY_{85}	14.6	X	352.45526	33.78660	35.33876	5.52536	0.0278875	0.21640152	2.7476569	21	—	—
97610 2000 EG_{86}	14.1	X	254.96231	317.97329	272.91648	4.40751	0.1420874	0.17719792	3.1392817	21	—	—
97611 2000 EW_{86}	14.6	X	2.19559	206.02866	328.43149	9.26258	0.2048439	0.18512930	3.0489662	21	2 5.7	17.7
97612 2000 EH_{87}	14.2	X	65.92672	80.47739	344.58207	8.55590	0.0576135	0.17946391	3.1128005	21	1 3.6	18.5
97613 2000 EK_{87}	14.5	X	328.74397	186.92433	341.39276	7.63806	0.1063291	0.17969883	3.1100871	21	—	—
97614 2000 EF_{88}	14.4	X	19.94770	225.38089	271.57322	10.68897	0.1198889	0.18491419	3.0513303	21	1 22.0	18.1
97615 2000 EH_{99}	15.4	X	129.27715	24.11206	335.46854	2.14713	0.0919747	0.17999845	3.1066349	21	1 7.6	19.7
97616 2000 EU_{101}	15.6	X	230.44470	23.07885	227.10866	1.79921	0.0973031	0.17638083	3.1489696	21	—	—
97617 2000 EW_{104}	13.8	X	195.16579	220.63852	43.53131	14.77229	0.1677967	0.17153398	3.2080117	21	—	—
97618 2000 EH_{105}	14.8	X	323.83244	99.52522	118.97382	10.79550	0.2299982	0.18264433	3.0765591	21	1 27.4	18.7
97619 2000 EZ_{107}	14.7	X	320.23514	247.38473	273.03725	8.92796	0.0925510	0.17945457	3.1129085	21	—	—
97620 2000 EA_{108}	14.5	X	38.31838	199.66625	257.51532	8.46646	0.0762003	0.18236181	3.0797357	21	1 2.8	18.5
97621 2000 EE_{111}	14.5	X	347.19108	123.65259	49.17182	10.46888	0.1458903	0.18270070	3.0759262	21	1 17.9	18.5
97622 2000 EZ_{117}	14.6	X	32.71040	65.41477	0.96236	23.09044	0.1935478	0.18104392	3.0946634	21	—	—
97623 2000 EL_{118}	13.8	X	250.98290	131.33118	47.40454	11.59675	0.0835816	0.17395358	3.1781944	21	12 20.9	18.4
97624 2000 ES_{120}	14.3	X	323.42019	89.03892	353.29589	17.99760	0.1177300	0.17253650	3.1955729	21	11 25.3	18.6
97625 2000 EC_{121}	15.3	X	109.53660	186.18102	64.96948	4.40821	0.0328283	0.21107434	2.7936956	21	10 20.8	19.2
97626 2000 ED_{124}	14.6	X	203.10176	135.21436	149.17646	1.14403	0.1557642	0.17669348	3.1452538	21	—	—
97627 2000 EB_{128}	14.5	X	139.39878	146.86291	1.57970	27.80605	0.1024339	0.20009360	2.8949912	21	8 2.1	19.4
97628 2000 EW_{133}	16.0	X	0.70975	167.02536	78.23412	8.31211	0.0814426	0.28450044	2.2895357	21	5 9.3	18.2
97629 2000 EW_{135}	14.3	X	169.70176	145.44121	154.95411	15.70116	0.0569000	0.17421530	3.1750107	21	—	—
97630 2000 EC_{137}	15.0	X	349.58134	40.13758	95.87703	2.63972	0.1963322	0.17975116	3.1094834	21	—	—
97631 Kentrobinson	14.6	X	217.41370	215.90964	41.94957	9.05085	0.0498576	0.17869124	3.1217675	21	—	—
97632 2000 EL_{145}	14.6	X	340.05598	249.51764	308.44527	3.62100	0.1837529	0.18317389	3.0706265	21	1 31.4	18.3
97633 2000 EY_{151}	15.9	X	157.88288	265.55261	177.38530	6.54144	0.0668243	0.28904760	2.2654604	21	5 11.5	18.9
97634 2000 EQ_{154}	14.7	X	311.40708	34.38830	137.10508	6.33696	0.1394822	0.17673090	3.1448098	21	—	—
97635 2000 EB_{155}	14.6	X	248.92278	285.56075	335.38846	15.38159	0.2095558	0.17778838	3.1323272	21	1 9.5	20.0
97636 2000 EC_{155}	14.7	X	71.88340	194.57906	334.73327	10.61580	0.0988815	0.19315438	2.9639190	21	5 22.3	18.9
97637 Blennert	14.3	X	7.27250	82.29339	37.83542	14.91634	0.1660998	0.18362828	3.0655590	21	—	—
97638 2000 EO_{161}	14.9	X	246.63464	40.25228	247.73464	2.43935	0.0819265	0.18428309	3.0582928	21	2 10.4	19.5
97639 2000 EN_{163}	15.0	X	172.93511	354.36427	49.91790	1.23796	0.1275902	0.19283889	2.9671509	21	4 17.1	19.5
97640 2000 EN_{165}	14.7	X	292.45191	144.94155	10.30161	5.29869	0.1203048	0.17459191	3.1704432	21	—	—
97641 2000 EU_{169}	14.3	X	115.33745	326.23381	76.99181	13.24664	0.0130696	0.18333911	3.0687815	21	2 3.9	18.8
97642 2000 EF_{170}	14.0	X	354.84187	73.11675	9.75916	21.32018	0.1517575	0.17613096	3.1519470	21	—	—
97643 2000 EG_{170}	14.4	X	358.14697	124.65512	40.14941	10.59307	0.0451576	0.18436242	3.0574154	21	2 4.9	18.7
97644 2000 ET_{171}	14.1	X	327.91230	34.00913	84.66200	10.60306	0.0554216	0.17473059	3.1687654	21	—	—
97645 2000 EK_{183}	14.6	X	70.41250	48.77475	43.36961	11.48487	0.1500713	0.18674643	3.0313391	21	2 26.0	18.6
97646 2000 EK_{198}	14.2	X	267.58012	241.72668	329.26674	14.01164	0.0320882	0.17717277	3.1395788	21	—	—
97647 2000 EG_{201}	14.0	X	343.07292	11.86291	49.65788	4.46628	0.0517254	0.16802336	3.2525423	21	12 2.8	18.2
97648 2000 FU	16.4	X	324.69937	178.79270	28.59481	21.07643	0.0276422	0.37193483	1.9149531	21	1 1.3	18.9
97649 2000 FK_1	16.2	X	260.60793	168.73596	111.81856	24.77854	0.0491161	0.37077625	1.9189402	21	1 17.0	18.0
97650 2000 FN_2	14.5	X	237.56585	73.85495	184.64241	5.58009	0.1367841	0.17534429	3.1613673	21	—	—
97651 2000 FQ_3	14.2	X	141.72566	55.64089	139.32245	14.53014	0.0570903	0.20502358	2.8483947	21	9 20.8	18.5
97652 2000 FV_7	14.3	X	126.72450	341.31860	62.17203	15.31144	0.1262523	0.18504240	3.0499207	21	3 9.3	19.1
97653 2000 FH_{13}	13.9	X	101.61945	257.32514	17.02986	13.93477	0.0665323	0.16418710	3.3030110	21	11 1.8	18.9
97654 2000 FR_{17}	14.2	X	204.85666	144.65258	124.76954	10.30793	0.0543085	0.17510972	3.1641900	21	—	—
97655 2000 FZ_{17}	14.6	X	283.90245	132.10105	59.88355	12.32507	0.1413741	0.17627853	3.1501878	21	—	—
97656 2000 FS_{19}	15.1	X	294.15415	103.41442	136.43804	10.71148	0.2261337	0.18117246	3.0931995	21	1 19.3	19.8
97657 2000 FN_{20}	14.3	X	316.91068	79.53215	77.08997	6.41656	0.1602760	0.17734854	3.1375042	21	—	—
97658 2000 FC_{22}	14.9	X	124.79925	336.97351	138.45438	11.28178	0.0665802	0.19346003	2.9607964	21	5 22.0	19.4
97659 2000 FF_{22}	14.7	X	325.17732	49.53893	90.35354	7.08577	0.1051473	0.17614998	3.1517201	21	—	—
97660 2000 FC_{24}	14.3	X	331.21428	45.80128	113.54069	15.53492	0.1001751	0.17790459	3.1309631	21	—	—
97661 2000 FN_{24}	14.8	X	140.59973	183.44051	109.75038	12.53226	0.2478734	0.21344926	2.7729346	21	—	—
97662 2000 FD_{26}	14.5	X	268.10932	189.93970	32.06270	5.68651	0.0918338	0.17672680	3.1448585	21	—	—
97663 2000 FU_{29}	16.7	X	139.39534	96.27733	172.87826	3.82690	0.1583256	0.30373969	2.1918038	21	12 30.8	20.1
97664 2000 FK_{31}	15.4	X	303.97690	130.03314	120.70266	11.43479	0.0539857	0.27945521	2.3170100	21	2 21.8	18.3
97665 2000 FL_{32}	14.3	X	271.72061	119.87712	101.83877	3.19752	0.0888541	0.17728938	3.1382021	21	—	—
97666 2000 FJ_{33}	14.3	X	354.98429	105.00400	34.38022	6.74737	0.2308987	0.18068450	3.0987660	21	—	—
97667 2000 FZ_{37}	14.2	X	338.25226	68.77335	28.06392	25.35044	0.2189894	0.17392851	3.1784999	21	—	—
97668 2000 FG_{39}	14.7	X	254.01582	152.17708	104.68923	2.62654	0.1374624	0.17742702	3.1365789	21	1 10.6	19.6
97669 2000 FL_{40}	14.1	X	314.35351	57.98746	150.83199	9.77086	0.0260092	0.18086129	3.0967463	21	1 31.7	18.5
97670 2000 FN_{42}	16.2	X	319.44909	290.52573	215.69612	21.77252	0.1031924	0.35982775	1.9576706	21	—	—
97671 2000 FT_{46}	15.1	X	226.79903	196.96620	78.25504	8.77343	0.2170913	0.22209975	2.7004574	21	—	—
97672 2000 FW_{46}	14.7	X	291.22198	139.71814	62.34790	11.12219	0.1802700	0.17712006	3.1402017	21	—	—
97673 2000 FW_{47}	13.8	X	153.30537	340.66169	102.61229	11.06063	0.0453185	0.19138787	2.9821291	21	5 13.1	18.3
97674 2000 FJ_{50}	15.5	X	97.47774	229.90509	30.48224	6.58616	0.1020600	0.25304733	2.4755301	21	10 29.2	19.0
97675 2000 FG_{55}	15.1	X	255.28366	234.06808	6.97405	4.65568	0.1299300	0.17537849	3.1609563	21	—	—
97676 2000 FW_{56}	14.3	X	301.01103	344.85873	179.12678	21.49359	0.0615437	0.17388566	3.1790221	21	—	—
97677 Rachelfreed	14.3	X	287.38322	284.55289	330.83388	9.44457	0.1076827	0.18430090	3.0580958	21	2 14.1	18.8
97678 2000 GS_1	14.5	X	263.26427	214.45884	26.45351	5.45327	0.1103368	0.17560126	3.1582824	21	1 4.1	19.4
97679 2000 GG_2	16.6	X	180.28841	138.38507	196.32677	50.81167	0.1319591	0.50067314	1.5707239	21	—	—
97680 2000 GM_7	16.0	X	225.35025	118.42885	184.12616	4.83397	0.2315821	0.27177538	2.3604563	21	1 22.3	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
97681 2000 GA_{9}	15.4	X	66.85237	22.39841	116.67329	1.63630	0.1506757	0.19020175	2.9945142	21	4 16.7	19.0
97682 2000 GC_{10}	14.7	X	340.54761	194.99413	19.60050	0.91085	0.0702705	0.18674038	3.0314045	21	3 8.1	18.5
97683 2000 GV_{12}	16.6	X	138.33875	124.04045	143.04610	1.74590	0.1802976	0.25730347	2.4481552	21	12 20.3	20.7
97684 2000 GZ_{16}	14.6	X	323.39259	301.72716	150.58191	1.41914	0.1228865	0.17053000	3.2205906	21	12 12.7	18.3
97685 2000 GD_{17}	14.6	X	77.89662	260.29767	175.10386	2.77758	0.0803890	0.18169884	3.0872227	21	2 1.3	18.7
97686 2000 GK_{20}	14.4	X	105.30186	84.27667	14.45749	10.11301	0.2245995	0.19058463	2.9905022	21	4 23.7	18.9
97687 2000 GN_{20}	15.0	X	337.84847	62.35071	39.88786	0.92718	0.1455000	0.17361842	3.1822833	21	—	—
97688 2000 GX_{22}	14.6	X	194.63635	69.25889	186.50371	11.33102	0.0663214	0.17100399	3.2146366	21	—	—
97689 2000 GE_{26}	14.8	X	299.04375	89.00480	22.22429	5.51057	0.1097075	0.16902149	3.2397246	21	11 28.2	19.0
97690 2000 GO_{28}	14.4	X	158.42115	310.58351	9.11786	9.25841	0.0693051	0.17411776	3.1761963	21	—	—
97691 2000 GL_{31}	14.7	X	293.66239	339.92670	180.50543	5.47479	0.1006752	0.17312491	3.1883281	21	—	—
97692 2000 GO_{36}	14.6	X	313.43959	50.12185	111.71584	1.30508	0.1405579	0.17769595	3.1334134	21	—	—
97693 2000 GX_{45}	14.3	X	254.47302	350.89477	199.53062	21.05465	0.0558581	0.17054517	3.2203996	21	—	—
97694 2000 GD_{46}	14.7	X	44.24293	43.41660	38.53210	5.45722	0.1570945	0.17816648	3.1278942	21	—	—
97695 2000 GK_{49}	14.1	X	314.84042	138.83569	350.00286	1.00149	0.1907029	0.17307799	3.1889044	21	—	—
97696 2000 GR_{50}	14.3	X	42.93424	92.04617	31.77367	7.91315	0.1222946	0.18267928	3.0761666	21	2 18.5	18.1
97697 2000 GF_{52}	14.5	X	8.42590	163.58238	21.88164	4.42432	0.2337473	0.18511650	3.0491068	21	3 3.8	17.4
97698 2000 GX_{52}	15.0	X	295.41515	147.76726	8.57467	5.62235	0.1360244	0.17250295	3.1959872	21	—	—
97699 2000 GP_{57}	16.6	X	138.10095	248.76680	15.01275	2.23423	0.2418458	0.30122710	2.2039751	21	12 21.5	20.4
97700 2000 GU_{62}	13.6	X	358.10149	262.21204	171.97774	3.06227	0.2003060	0.12471558	3.9675485	21	—	—
97701 2000 GR_{66}	16.4	X	231.77886	301.85145	358.62066	1.48067	0.1072686	0.31866842	2.1228046	21	1 19.9	19.2
97702 2000 GG_{67}	14.5	X	43.03008	2.99632	207.49441	6.52532	0.1980999	0.19105038	2.9856400	21	6 19.6	17.9
97703 2000 GS_{69}	16.5	X	241.82585	56.14038	208.89793	1.90745	0.1591578	0.31504590	2.1390462	21	—	—
97704 2000 GB_{76}	14.6	X	269.60732	192.56543	47.37797	4.22364	0.1301069	0.17600354	3.1534681	21	1 7.3	19.4
97705 2000 GM_{77}	14.8	X	312.03683	161.88813	145.03586	1.47260	0.2501731	0.18910120	3.0061214	21	4 28.9	18.5
97706 2000 GQ_{81}	14.9	X	251.95547	84.31919	163.24421	1.67727	0.1509780	0.17497821	3.1657752	21	—	—
97707 2000 GP_{83}	14.4	X	287.98921	141.83677	20.74969	9.54627	0.0506659	0.17450504	3.1714952	21	—	—
97708 2000 GZ_{84}	15.4	X	145.65426	169.43920	93.59862	13.55219	0.1044069	0.21153321	2.7896540	21	12 15.7	19.7
97709 2000 GE_{85}	15.1	X	16.71980	338.79158	117.67054	14.78190	0.0838728	0.22192767	2.7018532	21	—	—
97710 2000 GU_{85}	15.4	X	162.11974	352.31263	142.75280	13.12315	0.0849908	0.24564041	2.5250472	21	7 27.1	19.1
97711 2000 GD_{86}	14.5	X	334.27547	105.45727	105.99298	10.33999	0.0908841	0.18597398	3.0397271	21	2 23.9	18.6
97712 2000 GD_{87}	14.3	X	356.93019	54.38897	40.28868	19.33767	0.1107521	0.17370690	3.1812026	21	—	—
97713 2000 GS_{88}	14.2	X	321.08462	347.28744	135.80755	9.47465	0.0982307	0.17192205	3.2031823	21	—	—
97714 2000 GU_{90}	14.1	X	232.72909	141.86487	113.63163	6.46372	0.1501718	0.17353582	3.1832931	21	—	—
97715 2000 GN_{92}	14.8	X	290.62565	303.28772	198.76417	1.10081	0.1473237	0.17147114	3.2087954	21	12 21.0	18.9
97716 2000 GC_{100}	14.6	X	250.01072	4.41147	243.77042	4.68529	0.1451314	0.17552691	3.1591742	21	—	—
97717 2000 GX_{102}	14.0	X	162.77460	265.31124	46.82155	5.87560	0.1314500	0.17233468	3.1980672	21	—	—
97718 2000 GU_{107}	14.9	X	310.23090	230.22516	45.14508	10.99435	0.1011575	0.23302034	2.6154123	21	4 6.1	18.3
97719 2000 GW_{113}	13.5	X	321.30880	104.41763	2.11938	16.24775	0.1381841	0.17136432	3.2101287	21	12 27.9	17.7
97720 2000 GF_{115}	14.7	X	349.15446	185.80864	30.21671	9.22162	0.1703181	0.18663782	3.0325150	21	3 15.5	18.3
97721 2000 GU_{115}	14.3	X	2.72776	359.29800	116.90953	2.43259	0.1153557	0.17756148	3.1349951	21	—	—
97722 2000 GE_{128}	14.7	X	17.73103	60.26689	86.90831	10.52403	0.1829544	0.18068470	3.0987637	21	2 3.9	18.2
97723 2000 GD_{137}	14.1	X	288.57815	33.07316	151.00283	13.25711	0.1590035	0.17275681	3.1928555	21	—	—
97724 2000 GN_{138}	14.0	X	56.91435	99.94461	177.20538	14.65109	0.0640243	0.15490656	3.4336512	21	9 14.7	18.7
97725 2000 GB_{147}	18.7	X	276.92963	212.29170	311.76745	18.19510	0.3093792	0.40879919	1.7980263	21	—	—
97726 2000 GE_{161}	14.6	X	306.18303	73.22311	56.64798	13.45313	0.0943822	0.17109933	3.2134424	21	—	—
97727 2000 GG_{163}	14.0	X	356.11366	16.85828	103.75154	10.16326	0.1795881	0.17717039	3.1396070	21	—	—
97728 2000 GV_{165}	15.4	X	285.99328	127.58732	244.83357	1.19446	0.0396473	0.19820893	2.9133137	21	7 19.5	19.3
97729 2000 GF_{166}	14.6	X	170.07011	175.27211	124.62242	0.75758	0.1664398	0.17039694	3.2222670	21	—	—
97730 2000 GA_{169}	14.2	X	289.63375	54.66350	153.58692	27.42595	0.1163389	0.17566394	3.1575312	21	—	—
97731 2000 GO_{169}	14.8	X	260.22420	194.71073	357.00882	8.22428	0.1124867	0.17242168	3.1969914	21	—	—
97732 2000 GL_{171}	14.6	X	3.38807	117.78533	98.17180	5.87575	0.1283127	0.18670627	3.0317737	21	4 12.4	18.2
97733 2000 GA_{174}	14.5	X	339.53108	130.36525	336.39646	8.62453	0.1570215	0.17442591	3.1724544	21	—	—
97734 2000 HB_{5}	16.2	X	148.13839	35.98215	40.80852	21.31445	0.1197849	0.37425321	1.9070366	21	4 20.5	18.3
97735 2000 HD_{12}	16.3	X	260.98162	7.06791	252.98503	1.60717	0.0973811	0.31717069	2.1294822	21	—	—
97736 2000 HT_{21}	16.8	X	211.81020	25.76916	224.09016	3.54953	0.0873385	0.30970513	2.1635675	21	—	—
97737 2000 HX_{27}	16.0	X	285.38314	91.49509	58.08488	23.00537	0.0559859	0.35497645	1.9754666	21	—	—
97738 2000 HK_{28}	14.1	X	340.68367	47.64506	70.27454	27.74616	0.1831925	0.17558635	3.1584612	21	—	—
97739 2000 HP_{28}	15.4	X	155.38574	256.02671	71.92804	24.51225	0.0847139	0.35969141	1.9581652	21	—	—
97740 2000 HM_{30}	14.7	X	355.89763	79.79479	107.86830	14.77304	0.1138567	0.18249505	3.0782366	21	2 24.7	18.7
97741 2000 HP_{33}	16.6	X	16.42788	132.21881	149.70077	26.21090	0.0916058	0.38173933	1.8820224	21	8 10.3	17.8
97742 2000 HF_{34}	14.3	X	343.75132	117.86759	20.19915	16.47767	0.2120813	0.17702667	3.1413060	21	—	—
97743 2000 HQ_{42}	14.5	X	327.08360	246.18844	204.99058	13.33106	0.1718469	0.21485176	2.7608540	21	12 29.3	17.6
97744 2000 HL_{43}	14.7	X	229.66584	146.08579	124.95044	2.06462	0.2224831	0.17274323	3.1930228	21	1 3.3	20.2
97745 2000 HO_{43}	17.7	X	212.98611	33.63232	238.20951	1.11400	0.0403952	0.31246144	2.1508251	21	—	—
97746 2000 HQ_{52}	16.2	X	230.02312	190.34234	57.26249	4.04184	0.2024951	0.31074439	2.1587409	21	—	—
97747 2000 HC_{74}	14.0	X	317.04376	109.57207	123.15820	16.78290	0.1672720	0.18166888	3.0875620	21	2 15.7	18.2
97748 2000 HF_{79}	14.0	X	285.65765	57.03552	78.15127	20.62178	0.1484229	0.17092340	3.2156470	21	12 5.6	18.0
97749 2000 HS_{83}	14.5	X	44.96113	6.10173	85.25951	18.97458	0.1930453	0.18206118	3.0831251	21	1 11.5	17.9
97750 2000 HX_{83}	13.6	X	248.71526	141.29681	61.67788	22.89740	0.1127759	0.17284252	3.1917999	21	—	—
97751 2000 HF_{84}	14.7	X	350.92659	26.88542	100.07808	18.05331	0.1693595	0.17896153	3.1186234	21	—	—
97752 2000 HH_{86}	17.0	X	250.29680	198.28791	82.91250	6.10444	0.1550518	0.31696255	2.1304143	21	1 13.4	20.2
97753 2000 HY_{94}	14.1	X	58.86944	282.86762	133.28908	23.17264	0.0552937	0.17194467	3.2029014	21	—	—
97754 2000 HJ_{96}	15.5	X	329.97014	112.86943	194.47684	13.14067	0.1292785	0.23805352	2.5784159	21	6 13.8	18.6
97755 2000 HN_{99}	14.5	X	319.49226	233.77709	227.79323	16.47569	0.0962790	0.21452535	2.7636538	21	12 28.3	18.0
97756 2000 JY	16.0	X	71.82723	342.95062	90.01921	22.89349	0.0268851	0.36395146	1.9428551	21	—	—
97757 2000 JC_{3}	16.1	X	224.04206	173.86059	39.16736	21.92049	0.0558429	0.35752353	1.9660729	21	—	—
97758 2000 JY_{5}	14.4	X	339.52478	82.14297	59.70826	16.44575	0.2238513	0.17664797	3.1457940	21	—	—
97759 2000 JJ_{10}	15.6	X	60.31340	40.61836	61.62249	22.63367	0.0923702	0.36467755	1.9402753	21	—	—
97760 2000 JT_{12}	14.7	X	196.88576	230.46236	41.57272	5.65257	0.1202973	0.16964452	3.2317877	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
97761 2000 JE_{15}	14.5	X	19.47740	125.74959	71.16562	8.70701	0.1640652	0.18479256	3.0526691	21	4 16.6	17.9
97762 2000 JP_{20}	14.1	X	0.37663	248.52212	231.67521	16.52717	0.1659889	0.17693560	3.1423839	21	—	—
97763 2000 JO_{21}	14.7	X	325.85534	144.27524	6.51810	6.55749	0.1543763	0.17487384	3.1670347	21	—	—
97764 2000 JO_{22}	15.5	X	301.55542	71.92002	233.78678	11.94726	0.1827321	0.23382829	2.6093841	21	4 16.0	18.9
97765 2000 JN_{27}	14.1	X	289.72271	225.46527	235.45084	16.37777	0.1024639	0.20931452	2.8093325	21	11 11.0	17.7
97766 2000 JB_{30}	14.2	X	211.39623	258.01950	28.79231	15.97744	0.1336963	0.17250173	3.1960022	21	1 9.8	19.6
97767 2000 JB_{46}	15.5	X	349.22740	95.69906	189.88063	0.31632	0.1727436	0.19041247	2.9923045	21	6 16.3	18.5
97768 2000 JP_{69}	13.6	X	259.65139	141.47157	98.64465	18.32184	0.1769532	0.17951671	3.1121902	21	—	—
97769 2000 JS_{70}	14.2	X	43.25999	231.62091	261.73579	9.82717	0.0717445	0.18436773	3.0573567	21	2 19.3	18.3
97770 2000 JJ_{72}	14.6	X	75.45667	246.33777	114.86246	8.82790	0.2458455	0.20981072	2.8049014	21	—	—
97771 2000 JX_{72}	15.0	X	174.89556	208.94867	90.00050	9.33617	0.2020782	0.21502992	2.7593288	21	—	—
97772 2000 JZ_{79}	14.0	X	336.28417	69.92567	49.82500	23.27522	0.2403321	0.17467170	3.1694775	21	—	—
97773 2000 JY_{80}	14.4	X	353.97488	303.96877	267.44201	6.79790	0.0869073	0.18444025	3.0565553	21	3 18.2	18.4
97774 2000 KK_{1}	16.2	X	206.25492	216.04109	99.41609	24.82806	0.0464941	0.36614559	1.9350856	21	—	—
97775 2000 KN_{2}	14.1	X	2.78231	53.12533	107.74362	27.94212	0.1705562	0.17956346	3.1116500	21	1 24.1	17.8
97776 2000 KY_{10}	15.1	X	82.70454	351.20831	56.04831	12.25470	0.0937425	0.21954687	2.7213510	21	—	—
97777 2000 KG_{16}	14.7	X	196.87149	238.56612	53.03700	1.50432	0.1569356	0.16991203	3.2283948	21	1 1.5	20.0
97778 2000 KG_{41}	16.4	X	107.18195	211.61387	96.05316	3.99377	0.1952535	0.29944182	2.2127266	21	—	—
97779 2000 KA_{67}	15.5	X	288.69649	106.87873	121.14272	24.06098	0.0588667	0.36271233	1.9472774	21	—	—
97780 2000 KW_{67}	14.4	X	268.34065	125.86841	73.86721	18.80623	0.1629508	0.17390988	3.1787269	21	—	—
97781 2000 KE_{73}	15.6	X	253.71380	184.36412	121.01634	3.84585	0.1774680	0.31534545	2.1376914	21	2 16.2	18.6
97782 2000 KJ_{73}	16.0	X	188.60419	121.38520	128.58870	5.92293	0.1174832	0.30152313	2.2025324	21	—	—
97783 2000 KL_{76}	15.6	X	338.88184	231.45992	91.38986	10.50367	0.1878113	0.23851830	2.5750653	21	7 20.5	17.9
97784 2000 KK_{81}	15.8	X	50.67458	49.17785	102.53502	23.38761	0.0741111	0.36974397	1.9225102	21	3 4.7	17.8
97785 2000 NZ_{1}	16.1	X	305.87669	215.19506	343.67900	1.91819	0.1121025	0.31163393	2.1546309	21	—	—
97786 2000 NU_{2}	16.4	X	302.49613	78.64257	222.48093	2.42648	0.2431449	0.27440927	2.3453277	21	3 29.6	19.4
97787 2000 NH_{5}	15.6	X	257.43079	204.44485	116.82922	12.29986	0.2638548	0.26850051	2.3796110	21	3 15.1	19.7
97788 2000 NP_{5}	15.5	X	247.82898	116.30720	239.42899	6.68175	0.2729434	0.26964650	2.3728641	21	4 11.9	19.6
97789 2000 NY_{8}	14.8	X	28.48431	356.95539	333.79058	5.85131	0.2040555	0.28574298	2.2828936	21	11 24.5	17.4
97790 2000 NB_{9}	15.7	X	284.01180	355.29792	340.34545	1.87450	0.2382837	0.27233523	2.3572203	21	4 24.3	19.1
97791 2000 ND_{9}	15.5	X	110.15214	33.85821	298.72827	4.81884	0.1925298	0.29647307	2.2274735	21	—	—
97792 2000 NG_{10}	15.9	X	263.11446	0.56218	264.63840	3.32664	0.1271343	0.31237230	2.1512343	21	1 6.7	18.7
97793 2000 NJ_{13}	15.8	X	79.76566	59.06502	284.07936	6.57973	0.1643730	0.29539756	2.2328769	21	—	—
97794 2000 NG_{14}	15.8	X	159.23347	345.64462	298.07880	4.25226	0.1378540	0.29998360	2.2100616	21	—	—
97795 2000 NA_{15}	16.1	X	225.66524	203.72675	125.49880	4.53792	0.1925617	0.31307282	2.1480241	21	2 21.3	19.4
97796 2000 NT_{15}	15.7	X	25.51868	297.15896	23.64747	2.48240	0.1949385	0.28612960	2.2808367	21	11 5.5	17.9
97797 2000 NG_{17}	15.9	X	351.08607	337.21296	9.14229	4.54928	0.2039847	0.28381364	2.2932278	21	10 6.4	17.2
97798 2000 NL_{21}	15.7	X	90.28439	24.60866	277.74500	4.14788	0.1869185	0.29488505	2.2354633	21	12 27.3	19.1
97799 2000 NE_{23}	15.5	X	189.11824	327.61757	291.53533	4.95321	0.1427097	0.30140266	2.2031192	21	—	—
97800 2000 NO_{23}	15.6	X	25.40687	325.21673	99.75747	6.66716	0.1020790	0.29844016	2.2176748	21	—	—
97801 2000 NV_{27}	15.9	X	216.49036	39.34301	153.20093	5.36324	0.0925532	0.29685424	2.2255663	21	12 20.8	18.7
97802 2000 NJ_{28}	15.8	X	139.54700	60.06604	231.41379	4.26237	0.1940528	0.29985552	2.2106908	21	—	—
97803 2000 OQ_{6}	16.2	X	16.66888	96.74587	210.97688	3.07347	0.1943095	0.28487373	2.2875352	21	9 29.3	18.1
97804 2000 OA_{9}	15.4	X	304.61501	110.48958	264.55832	1.17464	0.2491036	0.27680059	2.3318004	21	7 19.8	17.5
97805 2000 OJ_{15}	15.8	X	246.72857	69.81590	117.61421	5.04089	0.0729174	0.30015206	2.2092345	21	—	—
97806 2000 OH_{18}	15.8	X	26.76140	355.60334	313.51281	4.92425	0.1796948	0.28562644	2.2835145	21	10 15.9	18.1
97807 2000 OR_{18}	16.2	X	128.34048	69.08269	297.64012	2.09573	0.1855608	0.30540668	2.1838210	21	—	—
97808 2000 OZ_{18}	16.1	X	47.07918	123.98092	263.41323	2.29224	0.0513521	0.29779137	2.2208947	21	—	—
97809 2000 OH_{30}	16.3	X	103.77070	77.25081	219.72647	4.05656	0.1580706	0.29505514	2.2346041	21	12 31.2	19.8
97810 2000 OM_{30}	16.4	X	203.66501	132.25311	190.12418	3.21480	0.2054497	0.31032277	2.1606958	21	1 23.6	19.9
97811 2000 OH_{33}	16.1	X	188.41350	352.21622	267.04731	6.52815	0.1241977	0.30224711	2.1990138	21	—	—
97812 2000 OH_{46}	16.1	X	302.61754	118.30073	212.86312	1.89566	0.2347362	0.27493994	2.3423089	21	5 13.2	18.9
97813 2000 OP_{46}	16.0	X	123.48504	169.65730	172.95950	5.17179	0.1440504	0.29922543	2.2137932	21	—	—
97814 2000 OY_{46}	15.7	X	112.00181	6.40571	344.84139	5.12153	0.2321621	0.29857646	2.2169999	21	—	—
97815 2000 OA_{48}	14.5	X	347.36699	307.41449	346.94807	24.48665	0.2501333	0.27670849	2.3323178	21	6 12.4	16.9
97816 2000 OW_{48}	15.7	X	164.35035	300.60279	11.01720	5.71981	0.2055688	0.30158155	2.2022479	21	—	—
97817 2000 OY_{48}	15.7	X	23.13227	310.01490	23.71926	4.88864	0.1905981	0.28494598	2.2871485	21	11 18.7	18.1
97818 2000 OO_{49}	15.7	X	99.64946	251.21180	63.84394	5.31684	0.1984213	0.29308006	2.2446323	21	—	—
97819 2000 OR_{49}	15.5	X	21.38222	225.87234	142.51708	8.40536	0.1564449	0.28737090	2.2742639	21	12 30.7	18.2
97820 2000 OZ_{49}	16.1	X	62.23970	207.80266	164.39716	4.40491	0.1738056	0.29391392	2.2403848	21	—	—
97821 2000 OV_{50}	15.8	X	272.96261	306.13773	48.98848	6.39475	0.2364575	0.27192732	2.3595770	21	5 9.2	19.1
97822 2000 OG_{53}	15.7	X	334.00956	353.56781	298.69611	11.27432	0.2292698	0.27605676	2.3359872	21	5 5.0	18.2
97823 2000 OQ_{56}	15.9	X	13.97247	313.76088	348.16561	5.67171	0.1165176	0.28295066	2.2978883	21	9 3.9	17.8
97824 2000 OU_{57}	16.0	X	285.81116	206.76777	122.92256	8.41207	0.1323697	0.27464361	2.3439934	21	5 7.7	19.1
97825 2000 OK_{58}	16.3	X	256.29197	260.12759	101.69334	4.56842	0.1759343	0.27338458	2.3511845	21	5 8.6	19.7
97826 2000 OB_{59}	15.8	X	63.33925	355.54919	310.75615	6.25107	0.1350912	0.29022371	2.2593358	21	11 27.4	18.8
97827 2000 OB_{61}	15.6	X	304.17107	84.00486	265.55707	5.88354	0.1422241	0.27554619	2.3388719	21	6 28.6	17.9
97828 2000 OJ_{61}	15.3	X	266.66903	348.24632	32.61255	7.17426	0.1199051	0.27390774	2.3481897	21	6 21.9	18.4
97829 2000 PL_{1}	16.0	X	136.27021	199.86485	59.80159	4.64134	0.1696616	0.29443681	2.2377315	21	12 14.6	19.4
97830 2000 PA_{4}	16.2	X	121.35950	155.80882	211.86104	2.59450	0.1597073	0.30288215	2.1959389	21	—	—
97831 2000 PN_{5}	16.0	X	324.42289	135.90977	261.30285	1.96700	0.1201345	0.28638674	2.2794712	21	10 26.1	17.8
97832 2000 PQ_{5}	16.4	X	270.65244	110.31786	312.09125	1.57968	0.0100901	0.28331534	2.2959160	21	9 14.8	18.9
97833 2000 PF_{6}	16.0	X	60.18000	343.60364	46.67904	5.95512	0.1963191	0.29688496	2.2254128	21	—	—
97834 2000 PN_{6}	15.2	X	310.71050	280.70867	148.47699	22.85309	0.2845898	0.28206360	2.3027035	21	11 15.2	17.2
97835 2000 PF_{7}	15.8	X	331.79207	328.13968	0.76264	3.80311	0.2191869	0.27965539	2.3159042	21	7 10.3	17.4
97836 2000 PW_{8}	16.2	X	97.37310	30.21966	4.89321	2.58762	0.1348556	0.30384930	2.1912767	21	—	—
97837 2000 PX_{13}	16.5	X	318.58682	212.87017	141.16364	5.98201	0.1952132	0.28162074	2.3051169	21	7 24.8	18.5
97838 2000 PC_{18}	15.5	X	321.28902	303.14400	120.49023	5.72640	0.0558755	0.29126721	2.2539364	21	12 2.4	17.8
97839 2000 PQ_{19}	16.5	X	74.76717	221.70075	71.34337	4.39979	0.1955779	0.29014696	2.2597342	21	11 30.8	19.8
97840 2000 PS_{19}	16.1	X	256.38255	279.08070	88.05286	6.50701	0.1972698	0.27324266	2.3519985	21	5 13.6	19.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
97841 2000 PZ_{20}	16.4	X	52.72597	246.99111	145.22545	4.57994	0.1675155	0.29765940	2.2215512	21	—	—
97842 2000 PS_{22}	15.3	X	348.28205	5.21538	103.32166	5.31925	0.0727794	0.30230926	2.1987123	21	—	—
97843 2000 PA_{26}	14.8	X	124.17891	344.30493	332.85629	11.87038	0.1766380	0.24701458	2.5156738	21	—	—
97844 2000 PE_{27}	15.2	X	290.06141	26.50580	3.86795	5.87256	0.1718850	0.27788208	2.3257464	21	8 3.7	17.8
97845 2000 PG_{28}	14.3	X	301.31088	155.53194	130.53996	17.04688	0.1774127	0.22321150	2.6914832	21	3 31.3	18.2
97846 2000 PP_{28}	16.3	X	76.53477	341.27953	21.34921	3.69096	0.2320790	0.29481309	2.2358270	21	—	—
97847 2000 PV_{28}	15.3	X	49.09330	340.09125	79.15190	7.95592	0.1227992	0.30008210	2.2095779	21	—	—
97848 2000 QS_{3}	16.8	X	204.63121	229.03838	69.08597	0.82739	0.1295987	0.30606817	2.1806733	21	—	—
97849 2000 QJ_{4}	16.0	X	285.31498	67.38223	330.27256	1.76890	0.2195554	0.27858979	2.3218059	21	7 27.3	18.4
97850 2000 QT_{4}	16.4	X	72.76634	197.54911	179.60712	2.36505	0.1678321	0.29636020	2.2280390	21	—	—
97851 2000 QP_{5}	16.3	X	241.07421	3.50428	330.37201	5.93449	0.1137612	0.31387816	2.1443483	21	3 13.9	19.3
97852 2000 QH_{6}	16.0	X	68.90743	62.22001	307.58976	4.29383	0.1693194	0.29535863	2.2330731	21	—	—
97853 2000 QM_{8}	16.0	X	93.32787	50.73089	301.10008	2.83865	0.1037382	0.29692729	2.2252013	21	—	—
97854 2000 QZ_{8}	15.9	X	280.69215	188.46363	153.44405	6.01237	0.2026484	0.27387137	2.3483976	21	5 6.5	19.1
97855 2000 QV_{14}	15.8	X	332.16072	231.15165	122.65432	1.39841	0.1684922	0.28217308	2.3021079	21	8 30.8	17.4
97856 2000 QB_{18}	15.6	X	235.61333	106.88163	137.87928	2.25782	0.0644113	0.30389625	2.1910510	21	—	—
97857 2000 QJ_{20}	16.4	X	323.94044	344.32707	323.87417	4.00918	0.1617603	0.27566580	2.3381954	21	5 26.3	18.6
97858 2000 QH_{23}	16.1	X	261.47070	39.23282	278.36349	4.38645	0.1681199	0.26876091	2.3780737	21	3 14.4	19.8
97859 2000 QM_{26}	15.7	X	148.94837	68.37232	145.04018	5.38289	0.0747518	0.28828067	2.2694766	21	10 31.2	18.8
97860 2000 QR_{26}	15.8	X	35.14077	10.70310	305.96827	5.37939	0.1804905	0.28491420	2.2873186	21	11 9.9	18.5
97861 2000 QM_{27}	16.1	X	205.63247	200.03959	203.98600	0.79033	0.1896612	0.26919546	2.3755138	21	5 12.8	20.0
97862 2000 QT_{27}	16.0	X	38.21549	246.44452	137.18750	3.15399	0.1993132	0.29224838	2.2488888	21	—	—
97863 2000 QF_{28}	16.3	X	286.30345	330.62308	344.54482	5.72322	0.1675387	0.27125642	2.3634660	21	4 7.8	19.4
97864 2000 QS_{28}	16.2	X	274.40598	346.92788	350.37692	3.41364	0.2588529	0.27194374	2.3594820	21	4 13.7	19.9
97865 2000 QK_{29}	15.9	X	7.63492	290.82799	4.64544	4.02449	0.1720523	0.27965233	2.3159210	21	8 17.7	17.5
97866 2000 QM_{29}	15.9	X	263.20511	245.57313	50.36556	1.63857	0.1815676	0.26610613	2.3938639	21	2 19.3	19.5
97867 2000 QJ_{30}	15.9	X	206.56420	237.99777	121.56880	3.33815	0.2194845	0.26421085	2.4052983	21	3 20.4	19.9
97868 2000 QK_{30}	16.0	X	14.85392	259.84090	98.35365	3.82280	0.1678921	0.28634322	2.2797022	21	12 8.5	18.3
97869 2000 QS_{32}	15.6	X	121.38655	208.59939	58.83505	6.51612	0.1913464	0.29325348	2.2437473	21	12 10.9	19.3
97870 2000 QX_{32}	16.1	X	253.11233	221.17443	75.02709	6.90633	0.1091121	0.26478904	2.4017956	21	2 17.1	19.6
97871 2000 QG_{33}	15.7	X	297.64354	284.56503	97.13891	9.24125	0.2514378	0.27834010	2.3231943	21	7 17.6	17.9
97872 2000 QG_{35}	15.0	X	54.97777	232.55186	138.45076	5.57654	0.1946286	0.29334074	2.2433022	21	—	—
97873 2000 QN_{36}	15.7	X	96.71427	19.85923	317.85781	3.56677	0.1573409	0.29736840	2.2230002	21	—	—
97874 2000 QB_{38}	15.8	X	4.52031	11.80334	3.12425	0.36928	0.2320141	0.28803463	2.2707688	21	12 26.9	17.8
97875 2000 QL_{39}	16.8	X	284.71319	14.49950	314.89497	3.66681	0.0839253	0.32088562	2.1130148	21	5 4.2	19.3
97876 2000 QG_{41}	15.9	X	69.78877	134.37017	273.19973	2.06349	0.1311489	0.30079818	2.2060698	21	—	—
97877 2000 QO_{41}	16.6	X	281.03663	131.99794	181.79660	2.58318	0.1785327	0.27169365	2.3609297	21	3 31.4	19.8
97878 2000 QL_{43}	16.6	X	247.03824	97.67959	284.80918	1.29003	0.1463802	0.27377011	2.3489767	21	5 27.7	19.8
97879 2000 QW_{43}	16.5	X	237.02667	198.00260	160.55269	3.71363	0.1781890	0.26985472	2.3716433	21	4 14.8	20.3
97880 2000 QO_{45}	15.1	X	49.18635	83.47743	322.84069	3.24167	0.1029694	0.29806307	2.2195449	21	—	—
97881 2000 QR_{45}	16.3	X	278.25852	172.16566	189.17550	1.06477	0.1218041	0.27572119	2.3378822	21	6 9.8	19.1
97882 2000 QW_{45}	16.5	X	229.57997	213.66776	185.58779	2.54395	0.1651539	0.27297037	2.3535624	21	5 30.6	20.0
97883 2000 QT_{50}	15.8	X	348.52783	1.70133	347.87205	3.73346	0.1627621	0.28314463	2.2968387	21	10 1.1	17.6
97884 2000 QA_{51}	16.5	X	341.60299	275.76164	125.20498	1.90033	0.2234815	0.28666778	2.2779811	21	12 18.8	18.0
97885 2000 QY_{53}	16.1	X	273.26131	356.75347	354.99826	4.24592	0.1644788	0.27379789	2.3488177	21	5 12.7	19.4
97886 2000 QK_{54}	16.5	X	318.44868	25.50610	347.58290	6.06186	0.3230317	0.28050123	2.3112462	21	8 5.3	17.7
97887 2000 QP_{54}	16.2	X	262.32806	48.83745	171.54018	1.68436	0.0907180	0.30292745	2.1957200	21	—	—
97888 2000 QC_{56}	16.5	X	265.01342	215.83278	161.16188	2.79000	0.0841518	0.27660207	2.3329160	21	6 19.9	19.4
97889 2000 QO_{56}	15.9	X	117.13519	22.76918	212.70152	6.89892	0.1673564	0.28850668	2.2682912	21	10 27.1	19.3
97890 2000 QM_{58}	16.3	X	261.06843	298.37811	70.64255	5.10199	0.1587748	0.27430064	2.3459469	21	5 24.3	19.6
97891 2000 QY_{60}	16.2	X	98.86377	249.31542	135.15558	3.61918	0.0843965	0.30144432	2.2029162	21	—	—
97892 2000 QH_{63}	16.1	X	287.69976	14.25527	83.11350	7.57658	0.0425673	0.28818371	2.2699856	21	11 27.3	18.5
97893 2000 QV_{65}	12.1	X	292.94091	228.21921	93.50013	9.89362	0.1043690	0.08195784	5.2489897	21	5 22.1	18.9
97894 2000 QG_{68}	15.9	X	239.23291	217.63696	95.07965	7.22741	0.1375880	0.26408026	2.4060912	21	2 22.1	19.6
97895 2000 QY_{71}	16.1	X	216.61058	71.42534	248.24695	1.53188	0.1498842	0.26316886	2.4116432	21	2 6.2	19.7
97896 2000 QN_{72}	16.6	X	4.41696	92.29162	310.83282	2.97153	0.1736899	0.29056811	2.2575502	21	—	—
97897 2000 QT_{73}	16.6	X	257.44722	25.61152	281.42960	1.56635	0.1917004	0.26740405	2.3861115	21	2 25.4	20.2
97898 2000 QC_{74}	15.6	X	267.88858	135.53190	321.35683	6.92085	0.0786429	0.28579582	2.2826122	21	10 16.9	18.3
97899 2000 QO_{74}	16.3	X	293.86790	30.60282	288.17031	1.57094	0.2337190	0.27341382	2.3510169	21	4 13.4	19.5
97900 2000 QF_{75}	16.3	X	285.14064	57.56055	334.77157	4.97003	0.1499002	0.27896583	2.3197190	21	8 1.3	18.9
97901 2000 QT_{75}	16.3	X	342.05508	27.56766	331.17761	6.52627	0.1437510	0.28300128	2.2976142	21	9 28.6	18.2
97902 2000 QS_{76}	15.3	X	92.74437	352.85440	328.46522	4.41054	0.1558558	0.29397925	2.2400528	21	—	—
97903 2000 QM_{79}	15.5	X	222.58271	223.70252	188.46365	3.99543	0.0675600	0.27322744	2.3520859	21	6 16.7	18.6
97904 2000 QV_{79}	16.2	X	218.06665	33.94114	341.90346	0.69137	0.1936662	0.26769657	2.3843729	21	4 17.5	19.9
97905 2000 QY_{79}	15.9	X	139.07275	216.71142	184.72100	2.48197	0.1674438	0.25984045	2.4321940	21	3 6.4	19.4
97906 2000 QA_{80}	16.2	X	224.71613	81.46275	278.53005	0.67250	0.1394938	0.26717644	2.3874665	21	4 5.3	19.9
97907 2000 QF_{80}	15.7	X	47.08392	54.72420	321.79754	3.66941	0.2022509	0.24493912	2.5298646	21	—	—
97908 2000 QA_{81}	16.4	X	203.19567	194.29790	190.70527	2.71810	0.1488845	0.26775840	2.3840058	21	4 16.8	19.9
97909 2000 QY_{81}	16.6	X	109.67133	111.16520	294.51250	2.03833	0.0341385	0.30559817	2.1829086	21	1 3.2	19.0
97910 2000 QW_{82}	16.2	X	264.73718	51.91445	276.03359	1.45135	0.2094822	0.26945200	2.3740058	21	3 28.7	19.7
97911 2000 QE_{85}	15.9	X	287.48850	207.67713	200.38204	4.73505	0.1043601	0.28206938	2.3026720	21	9 3.5	18.3
97912 2000 QK_{88}	15.9	X	185.09784	196.71150	209.05293	6.91477	0.1109079	0.26815845	2.3816342	21	4 24.9	19.5
97913 2000 QW_{88}	16.3	X	341.29800	49.48566	316.28847	6.74667	0.1339631	0.28381598	2.2932152	21	10 7.0	18.3
97914 2000 QK_{90}	15.8	X	199.92320	7.25999	294.62487	3.29715	0.1817547	0.30614105	2.1803272	21	—	—
97915 2000 QX_{90}	16.0	X	323.95312	172.83812	279.08270	5.22747	0.1057987	0.29148090	2.2528346	21	—	—
97916 2000 QE_{91}	15.9	X	252.53366	163.97668	213.14350	4.29649	0.1580536	0.27276825	2.3547248	21	5 25.9	19.4
97917 2000 QB_{95}	16.4	X	21.49958	141.83470	337.91229	3.56543	0.0537360	0.30381427	2.1914451	21	—	—
97918 2000 QE_{95}	16.0	X	127.29485	168.04939	281.02390	1.88082	0.1604179	0.26422018	2.4052417	21	4 22.9	19.4
97919 2000 QB_{96}	15.3	X	282.12811	78.29756	357.63550	6.54125	0.0765958	0.28390937	2.2927123	21	10 11.1	17.9
97920 2000 QD_{96}	15.8	X	108.56734	260.04193	147.73131	5.03277	0.0994922	0.30469571	2.1872167	21	1 13.9	18.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
97921 2000 QE_{96}	15.9	X	272.21024	333.94799	2.60920	5.02672	0.1840546	0.27141359	2.3625535	21	4 18.7	19.2
97922 2000 QF_{96}	15.8	X	42.62639	19.70358	6.14198	5.08323	0.2126597	0.24523018	2.5278624	21	—	—
97923 2000 QY_{96}	15.4	X	47.20951	359.60432	37.79724	3.86803	0.1432556	0.24760819	2.5116515	21	—	—
97924 2000 QJ_{97}	16.3	X	29.78314	288.11509	63.77294	2.23607	0.1545886	0.28807613	2.2705507	21	12 19.7	18.9
97925 2000 QL_{98}	15.3	X	330.66265	307.14990	9.94221	5.52501	0.1973704	0.27705622	2.3303659	21	6 18.9	17.2
97926 2000 QO_{99}	16.5	X	193.18458	256.12075	133.51344	6.03185	0.2307421	0.26516739	2.3995104	21	4 16.8	20.6
97927 2000 QA_{100}	15.9	X	255.60188	8.10529	43.60527	6.07263	0.1639255	0.27584498	2.3371827	21	7 16.6	19.1
97928 2000 QA_{101}	15.1	X	36.75143	275.86429	31.52211	7.83731	0.1427916	0.28412628	2.2915453	21	10 25.7	17.5
97929 2000 QB_{105}	15.3	X	245.35701	295.47854	69.93566	6.88563	0.1463778	0.26951390	2.3736423	21	5 4.8	18.8
97930 2000 QR_{105}	15.9	X	63.54130	261.24188	104.21199	8.16877	0.1551244	0.29287275	2.2456914	21	—	—
97931 2000 QL_{108}	16.1	X	334.30737	304.37401	117.02957	5.66453	0.1310043	0.28912659	2.2650477	21	12 24.9	18.0
97932 2000 QT_{108}	16.4	X	272.37479	213.62928	103.13685	2.50782	0.1533122	0.26995940	2.3710302	21	3 30.1	19.6
97933 2000 QW_{113}	16.0	X	296.06316	62.79130	9.07838	4.16111	0.1997681	0.28362896	2.2942232	21	10 12.9	18.0
97934 2000 QD_{114}	15.9	X	193.20408	204.48474	353.49525	7.34717	0.0467011	0.28992012	2.2609128	21	12 1.2	19.0
97935 2000 QJ_{115}	16.0	X	318.44243	215.75664	306.91421	4.92142	0.0403370	0.30253251	2.1976305	21	—	—
97936 2000 QS_{115}	16.5	X	323.20993	155.29187	202.59116	3.02585	0.1865343	0.27983898	2.3148912	21	8 11.7	18.3
97937 2000 QL_{116}	15.5	X	68.38810	318.54515	65.41622	3.52516	0.1718688	0.29597263	2.2299837	21	—	—
97938 2000 QO_{116}	16.3	X	340.50350	235.22280	84.19643	3.90361	0.1548660	0.27803459	2.3248958	21	7 22.7	18.1
97939 2000 QP_{116}	15.6	X	121.52790	231.49490	56.75190	3.32870	0.1641398	0.29343103	2.2428420	21	—	—
97940 2000 QW_{116}	16.3	X	220.42907	207.06391	99.78680	5.82165	0.2136477	0.30836558	2.1698287	21	1 20.2	19.7
97941 2000 QW_{117}	15.5	X	356.52443	243.28175	49.33541	5.17428	0.1753330	0.27856261	2.3219570	21	7 14.7	17.2
97942 2000 QC_{118}	16.3	X	18.27384	22.26599	303.62123	5.15439	0.1792184	0.28427124	2.2907662	21	10 26.0	18.5
97943 2000 QQ_{118}	16.1	X	56.75121	343.86871	294.80955	4.70083	0.1383725	0.28384497	2.2930591	21	10 10.3	19.0
97944 2000 QM_{119}	15.3	X	49.41926	19.06890	321.00026	8.51755	0.1313358	0.24183811	2.5514450	21	12 16.1	18.8
97945 2000 QN_{120}	15.5	X	271.33948	343.84934	337.84695	10.66007	0.0772067	0.26854229	2.3793642	21	4 7.9	18.8
97946 2000 QS_{122}	16.2	X	239.04634	62.60033	329.07489	5.06868	0.1887772	0.27119311	2.3638339	21	5 26.7	19.8
97947 2000 QC_{123}	16.0	X	277.55525	63.88211	315.54861	3.98642	0.2450267	0.27478232	2.3432045	21	6 15.4	19.0
97948 2000 QF_{124}	16.3	X	346.14793	113.64524	335.00844	4.40770	0.1272465	0.29231669	2.2485384	21	—	—
97949 2000 QN_{127}	16.1	X	83.68564	173.11909	175.05300	6.85329	0.2432934	0.29357979	2.2420843	21	—	—
97950 2000 QO_{127}	16.5	X	305.80242	333.46012	17.49539	2.84216	0.2246064	0.27555537	2.3388200	21	6 18.6	18.8
97951 2000 QU_{127}	15.4	X	269.04643	297.98570	17.17508	7.22493	0.1503775	0.26629382	2.3927390	21	3 24.7	18.9
97952 2000 QN_{128}	15.4	X	68.37851	171.72576	207.06506	6.49490	0.1547042	0.29571769	2.2312651	21	—	—
97953 2000 QR_{129}	15.9	X	165.89948	178.66554	176.49265	9.47470	0.2173505	0.25635764	2.4541732	21	2 7.1	19.9
97954 2000 QY_{130}	15.0	X	166.27562	225.26217	145.38482	13.06470	0.1429525	0.21603453	2.7507678	21	2 28.6	19.2
97955 2000 QB_{133}	16.0	X	313.49072	274.55184	95.27380	2.04736	0.1789287	0.28142127	2.3062060	21	8 13.3	18.0
97956 2000 QA_{135}	15.8	X	6.13455	304.63205	104.14009	4.85467	0.1529875	0.29249130	2.2476434	21	—	—
97957 2000 QB_{135}	16.3	X	150.79621	350.05698	10.14837	4.78155	0.1686123	0.30605161	2.1807519	21	1 19.2	19.0
97958 2000 QR_{137}	15.6	X	306.92601	100.86309	355.02011	3.05526	0.1003147	0.28858447	2.2678835	21	12 23.4	17.6
97959 2000 QM_{140}	16.0	X	348.11480	62.69000	357.32467	6.09445	0.1214803	0.28898993	2.2657617	21	—	—
97960 2000 QQ_{140}	15.7	X	178.30481	253.99383	148.50311	1.73433	0.1789370	0.26430755	2.4047116	21	4 17.1	19.4
97961 2000 QY_{140}	16.1	X	231.25288	160.98894	162.92225	6.37127	0.2267772	0.26421990	2.4052434	21	2 22.9	20.2
97962 2000 QC_{141}	14.5	X	211.22499	73.62134	5.55796	21.92308	0.0532923	0.22654644	2.6650042	21	7 17.9	18.8
97963 2000 QO_{141}	16.1	X	263.78381	205.29718	143.39822	6.90648	0.1340185	0.27043123	2.3682715	21	5 5.5	19.5
97964 2000 QD_{143}	16.1	X	30.82707	128.33337	122.62978	3.23194	0.1926601	0.27700714	2.3306411	21	7 27.3	17.8
97965 2000 QW_{143}	15.7	X	293.73405	160.25579	166.24928	14.30556	0.1369395	0.27148301	2.3621508	21	5 13.9	18.9
97966 2000 QN_{145}	15.4	X	302.59540	34.69193	18.98922	7.35215	0.0839159	0.28281700	2.2986122	21	10 12.7	17.8
97967 2000 QP_{146}	16.0	X	15.26325	22.87109	46.26958	5.65836	0.0997432	0.29375908	2.2411720	21	—	—
97968 2000 QT_{149}	16.2	X	297.63680	322.78000	307.57567	6.10949	0.1035054	0.26754121	2.3852959	21	3 2.0	19.3
97969 2000 QE_{150}	15.7	X	215.00501	191.74798	265.74298	5.41801	0.0684019	0.27666160	2.3325813	21	8 7.9	18.8
97970 2000 QO_{150}	15.7	X	69.69252	86.97025	290.09632	4.92593	0.1645844	0.29389326	2.2404898	21	—	—
97971 2000 QR_{150}	15.3	X	84.60946	11.03952	319.41978	4.74949	0.2373325	0.29199019	2.2502143	21	—	—
97972 2000 QV_{151}	15.9	X	217.54745	181.88871	330.24778	3.90685	0.0946304	0.28610325	2.2809767	21	10 23.9	18.8
97973 2000 QB_{165}	12.7	X	228.77682	198.89691	197.19445	14.06233	0.0574388	0.08371221	5.1753952	21	6 9.4	19.9
97974 2000 QD_{167}	16.4	X	317.76412	70.70566	224.54841	3.20942	0.1346834	0.27349978	2.3505242	21	5 1.3	18.9
97975 2000 QG_{168}	16.0	X	269.31903	118.68078	245.63341	3.68318	0.1898153	0.27374974	2.3490932	21	5 23.3	19.3
97976 2000 QL_{168}	15.9	X	356.41694	344.53734	306.24983	5.98807	0.1216101	0.27768505	2.3268464	21	7 11.0	17.9
97977 2000 QO_{169}	16.1	X	163.88890	254.21214	294.28005	5.92778	0.0499276	0.28481606	2.2878439	21	10 9.8	19.3
97978 2000 QS_{169}	15.5	X	306.06572	58.93911	315.47632	6.55725	0.1264277	0.27947835	2.3168821	21	8 12.8	17.8
97979 2000 QN_{170}	16.0	X	307.76783	193.78069	257.24664	2.15921	0.1082941	0.28899112	2.2657555	21	12 17.6	18.0
97980 2000 QQ_{170}	16.6	X	94.61814	208.96614	194.93753	4.77649	0.1099551	0.30239495	2.1982970	21	—	—
97981 2000 QH_{171}	15.9	X	194.38777	252.10557	304.73411	4.30397	0.1001347	0.29028503	2.2590176	21	11 25.8	18.9
97982 2000 QT_{171}	16.0	X	274.63797	58.49270	241.00211	1.68097	0.0872073	0.26703909	2.3882850	21	3 15.8	19.3
97983 2000 QH_{172}	15.6	X	8.57550	258.21904	224.88051	5.48769	0.0558810	0.30436736	2.1887895	21	—	—
97984 2000 QZ_{172}	16.3	X	335.54687	86.34876	286.23158	6.32635	0.1267928	0.28449099	2.2895864	21	10 5.7	18.4
97985 2000 QR_{173}	16.1	X	339.98225	231.84820	209.72600	6.29388	0.0543562	0.29454272	2.2371951	21	—	—
97986 2000 QH_{174}	16.0	X	135.27858	194.29227	198.93065	4.34814	0.1267927	0.26040318	2.4286888	21	2 13.1	19.4
97987 2000 QL_{175}	16.6	X	234.36409	154.00006	308.46715	4.62392	0.0294219	0.28230337	2.3013995	21	9 15.5	19.4
97988 2000 QN_{178}	16.2	X	295.87450	135.11500	199.66979	5.91763	0.1331675	0.27481771	2.3430033	21	5 26.5	18.9
97989 2000 QD_{186}	15.9	X	325.39360	314.22864	105.32484	6.27801	0.1528831	0.28828071	2.2694763	21	12 5.7	17.6
97990 2000 QG_{186}	15.5	X	147.99818	128.48560	84.98845	6.22527	0.0720254	0.28841137	2.2687909	21	10 30.4	18.6
97991 2000 QS_{186}	16.1	X	255.35849	297.17752	101.96305	3.25408	0.2339333	0.27563231	2.3383847	21	6 18.9	19.5
97992 2000 QL_{187}	15.6	X	1.42181	300.54841	20.75946	7.54238	0.1895857	0.28262821	2.2996357	21	9 19.9	17.2
97993 2000 QO_{187}	15.6	X	235.05618	234.22302	104.17382	7.74750	0.1424276	0.26761711	2.3848448	21	3 23.0	19.3
97994 2000 QV_{187}	15.9	X	126.48349	19.48282	17.54454	4.86692	0.1013359	0.30694523	2.1765173	21	1 27.9	18.3
97995 2000 QX_{187}	15.9	X	280.23827	245.60115	88.27223	3.47368	0.2269445	0.27307723	2.3529483	21	4 21.4	19.2
97996 2000 QG_{189}	15.7	X	146.58632	130.01658	85.07484	7.36799	0.0518877	0.28761346	2.2729851	21	10 31.3	18.8
97997 2000 QT_{189}	15.2	X	25.12497	348.04277	98.71149	6.75216	0.0958886	0.29991906	2.2103786	21	—	—
97998 2000 QY_{189}	16.0	X	52.25136	312.21635	109.88597	6.60139	0.0894003	0.30023053	2.2088496	21	—	—
97999 2000 QN_{190}	15.5	X	328.65196	234.03447	87.18817	7.09233	0.1498746	0.27802925	2.3249256	21	6 28.9	17.4
98000 2000 QZ_{197}	16.3	X	265.18167	191.12597	85.95363	1.98158	0.0514689	0.31134542	2.1559618	21	1 30.9	18.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
98001 2000 QS_{198}	16.5	X	220.11934	218.16380	123.53387	3.66209	0.2007993	0.26556035	2.3971427	21	3 9.4	20.4
98002 2000 QG_{199}	13.6	X	278.78363	169.32014	96.61579	4.81920	0.1593785	0.12381150	3.9868393	21	2 20.9	19.4
98003 2000 QH_{199}	15.7	X	301.57595	7.71903	19.76596	4.55627	0.1530333	0.28081002	2.3095515	21	8 23.5	18.0
98004 2000 QU_{202}	15.9	X	146.84362	238.65272	45.45707	4.25303	0.1895612	0.29772930	2.2212034	21	—	—
98005 2000 QV_{203}	16.2	X	233.25420	272.12593	28.25741	4.66194	0.0210003	0.30880755	2.1677579	21	1 25.0	18.8
98006 2000 QC_{205}	16.3	X	303.17687	140.73882	182.84173	1.67720	0.2269429	0.27442601	2.3452323	21	5 4.6	19.2
98007 2000 QR_{207}	16.1	X	242.09146	170.00889	174.45218	2.66621	0.1807767	0.26752802	2.3853743	21	3 31.8	19.8
98008 2000 QN_{208}	16.4	X	235.19191	213.33611	118.90609	4.04842	0.2147671	0.26539876	2.3981156	21	3 10.3	20.3
98009 2000 QC_{209}	16.3	X	26.79097	276.33323	207.58072	3.90447	0.0725820	0.30461181	2.1876183	21	—	—
98010 2000 QW_{210}	16.5	X	248.68804	82.27835	340.30812	1.67503	0.1950164	0.27559733	2.3385826	21	7 18.5	19.7
98011 2000 QZ_{212}	16.1	X	290.42858	262.14515	148.21129	6.13780	0.1025202	0.28157730	2.3053540	21	9 15.3	18.4
98012 2000 QK_{213}	16.2	X	36.99852	247.28016	145.72303	7.29231	0.0642094	0.29407829	2.2395499	21	—	—
98013 2000 QX_{214}	15.3	X	213.44875	60.36503	47.64138	4.03201	0.1687773	0.27738018	2.3285510	21	8 15.5	18.7
98014 2000 QD_{215}	16.2	X	37.71279	262.12814	147.01913	7.75211	0.0880047	0.29549593	2.2323813	21	—	—
98015 2000 QS_{215}	16.3	X	86.02475	58.82183	41.00574	4.08906	0.0340170	0.30885546	2.1675337	21	2 15.9	18.5
98016 2000 QA_{223}	16.0	X	35.53872	314.66940	56.96565	8.08428	0.1437653	0.29198913	2.2502197	21	—	—
98017 2000 QM_{224}	16.0	X	102.46654	93.96329	339.44711	2.77175	0.1585939	0.25803293	2.4435391	21	3 2.4	18.9
98018 2000 QT_{227}	15.6	X	126.48610	298.99487	173.92067	3.61296	0.0313476	0.26853679	2.3793967	21	5 8.8	18.5
98019 2000 QH_{228}	15.7	X	335.86117	233.98253	181.87471	5.99042	0.0753084	0.29045057	2.2581592	21	12 15.2	18.0
98020 2000 QL_{229}	16.7	X	330.97570	191.25675	94.19971	1.91217	0.1196576	0.27379878	2.3488126	21	5 12.4	19.1
98021 2000 QX_{243}	16.1	X	264.09361	274.76054	139.98573	2.44752	0.0996857	0.28177886	2.3042545	21	8 10.3	18.8
98022 2000 QC_{246}	16.2	X	290.76957	304.95709	110.86713	5.01982	0.2039508	0.28311334	2.2970079	21	9 8.4	18.3
98023 2000 QG_{251}	15.9	X	58.39260	250.38017	81.08584	7.94214	0.1594168	0.29103479	2.2551362	21	12 29.1	19.0
98024 2000 RP_{1}	15.8	X	224.15461	158.79288	175.84091	12.88799	0.2872787	0.26443573	2.4039345	21	2 28.5	20.1
98025 2000 RE_{2}	15.8	X	336.57092	136.94133	354.83868	6.67446	0.0389012	0.29744293	2.2226289	21	—	—
98026 2000 RS_{4}	15.9	X	280.81803	51.38642	7.83707	3.34449	0.1360880	0.27942713	2.3171652	21	9 6.3	18.2
98027 2000 RC_{5}	16.6	X	352.16783	15.12871	3.34581	5.80639	0.1800984	0.28411422	2.2916102	21	11 26.9	18.5
98028 2000 RJ_{5}	16.0	X	28.73460	357.43585	353.32219	7.95264	0.1367084	0.28618497	2.2805425	21	12 12.6	18.8
98029 2000 RE_{7}	16.0	X	334.03335	183.73345	183.75163	6.49147	0.1242017	0.27941669	2.3172229	21	9 27.8	17.9
98030 2000 RN_{7}	14.8	X	228.21583	310.18382	30.73581	8.65556	0.1530304	0.26259184	2.4151748	21	3 18.8	18.6
98031 2000 RU_{7}	15.2	X	319.38092	271.71836	77.00899	4.12543	0.2460413	0.27579494	2.3374654	21	7 8.8	16.9
98032 2000 RV_{7}	15.1	X	238.36872	190.41155	188.51735	14.49742	0.1676177	0.26730377	2.3867082	21	5 14.4	18.9
98033 2000 RG_{11}	15.7	X	10.48806	141.34389	215.64321	10.03633	0.1984823	0.28131519	2.3067857	21	12 3.7	18.0
98034 2000 RQ_{12}	15.6	X	12.33946	26.77135	51.19460	4.81037	0.2174018	0.24334127	2.5409271	21	—	—
98035 2000 RO_{18}	16.7	X	149.98321	124.43935	230.44181	4.07350	0.1666689	0.30413078	2.1899244	21	1 9.1	19.4
98036 2000 RG_{19}	14.6	X	272.25989	128.94528	247.08637	8.52977	0.0992580	0.18058528	3.0999010	21	6 26.8	18.9
98037 2000 RE_{20}	12.5	X	298.63587	12.79983	301.43502	7.40023	0.0646074	0.08202011	5.2463324	21	5 22.4	19.4
98038 2000 RZ_{20}	15.3	X	318.49516	159.26025	228.09307	4.99535	0.1367653	0.28196444	2.3032434	21	9 24.7	17.2
98039 2000 RC_{22}	15.1	X	278.81633	282.21057	181.38190	22.81973	0.2799882	0.28316058	2.2967525	21	10 16.0	17.3
98040 2000 RC_{23}	16.1	X	235.92498	89.37601	305.43958	2.06120	0.1576576	0.27140232	2.3626189	21	5 31.1	19.6
98041 2000 RE_{23}	15.5	X	11.17818	61.93641	339.66426	7.06316	0.0991931	0.29027712	2.2590587	21	—	—
98042 2000 RA_{24}	16.2	X	89.66112	182.71766	216.55170	3.39317	0.1106464	0.29996466	2.2101546	21	—	—
98043 2000 RQ_{24}	15.9	X	307.04333	26.12950	250.50216	6.00951	0.0831179	0.26868570	2.3785175	21	3 25.4	19.0
98044 2000 RU_{25}	15.7	X	197.95611	105.45160	322.49238	5.78935	0.1315594	0.27046851	2.3680539	21	6 6.1	19.3
98045 2000 RQ_{27}	16.3	X	258.76755	40.46132	218.74057	4.29325	0.1503753	0.30694885	2.1765002	21	—	—
98046 2000 RD_{29}	14.9	X	356.67570	33.10038	280.45463	6.35363	0.1386131	0.27929615	2.3178896	21	8 15.9	16.8
98047 2000 RC_{32}	15.6	X	54.72206	97.02747	269.48547	5.42750	0.1952580	0.24435371	2.5339036	21	—	—
98048 2000 RR_{32}	15.6	X	258.81735	140.87418	237.14641	6.30377	0.1254557	0.27241083	2.3567841	21	6 7.4	18.6
98049 2000 RS_{32}	15.6	X	22.82834	67.88988	227.01127	5.61022	0.1201423	0.27961103	2.3161491	21	9 6.1	17.9
98050 2000 RZ_{33}	16.2	X	162.25615	17.30250	336.09220	2.38445	0.1878688	0.30393890	2.1908460	21	1 24.9	19.3
98051 2000 RC_{34}	16.0	X	22.69573	59.21909	250.88945	5.67715	0.1321621	0.28240646	2.3008394	21	10 1.6	18.5
98052 2000 RX_{34}	15.9	X	257.31265	69.55990	339.04432	6.87288	0.0974738	0.27513817	2.3411837	21	7 24.6	19.0
98053 2000 RP_{35}	15.9	X	203.54711	57.21413	240.50503	3.93055	0.1331345	0.30367592	2.1921107	21	—	—
98054 2000 RS_{35}	16.1	X	241.20614	322.09938	329.01591	3.44342	0.1746023	0.30866198	2.1684394	21	1 18.5	19.3
98055 2000 RR_{38}	15.6	X	206.89571	313.44005	95.17553	3.25470	0.2293299	0.26570753	2.3962575	21	5 19.6	19.6
98056 2000 RR_{41}	15.6	X	254.85986	15.22238	272.89097	6.58801	0.2010174	0.26302783	2.4125052	21	1 30.1	19.5
98057 2000 RH_{44}	15.5	X	293.33909	26.06996	299.56399	5.97716	0.1257408	0.27054401	2.3676133	21	5 7.9	18.5
98058 2000 RH_{46}	15.8	X	95.66988	2.81535	348.89241	6.14430	0.2031200	0.29435278	2.2381574	21	—	—
98059 2000 RC_{47}	15.8	X	101.64161	318.80097	349.75713	5.95312	0.2261626	0.29184319	2.2509698	21	—	—
98060 2000 RF_{47}	15.4	X	150.19455	52.14074	345.31125	5.73479	0.1030924	0.25855876	2.4402251	21	3 6.9	18.9
98061 2000 RH_{47}	15.6	X	223.93497	58.31917	336.07963	2.52060	0.1489905	0.26787163	2.3833340	21	5 18.4	19.1
98062 2000 RW_{47}	16.3	X	73.86393	25.02734	318.61924	8.36324	0.1765340	0.29096531	2.2554952	21	—	—
98063 2000 RG_{48}	15.5	X	45.54132	106.91152	320.16450	6.41907	0.0718121	0.29504561	2.2346522	21	—	—
98064 2000 RY_{48}	15.4	X	196.62276	303.57306	294.90932	6.82972	0.0123393	0.29018869	2.2595176	21	—	—
98065 2000 RF_{51}	15.9	X	328.15243	48.05215	11.51796	5.07815	0.1543988	0.28353206	2.2947459	21	12 8.4	17.8
98066 2000 RH_{51}	15.0	X	239.54032	169.08547	212.27382	8.17097	0.1525802	0.26798136	2.3826833	21	5 18.6	18.5
98067 2000 RQ_{52}	15.1	X	89.13319	327.29170	57.53084	3.16912	0.2012495	0.24666340	2.5180610	21	—	—
98068 2000 RV_{52}	15.9	X	244.17697	219.98583	142.01287	3.10774	0.2145770	0.26526010	2.3989513	21	4 23.9	19.8
98069 2000 RX_{52}	16.0	X	18.72680	268.05582	121.55995	4.78410	0.2520169	0.23797170	2.5790069	21	—	—
98070 2000 RQ_{53}	16.1	X	279.31949	279.06556	108.22608	3.10445	0.2200885	0.27512905	2.3412354	21	7 2.8	19.1
98071 2000 RW_{54}	15.1	X	287.67903	122.54817	265.40761	9.56202	0.1915647	0.27497388	2.3421161	21	7 19.1	17.8
98072 2000 RC_{56}	15.8	X	205.86614	155.22132	317.86518	6.66721	0.0591547	0.27681996	2.3316916	21	8 20.4	18.9
98073 2000 RM_{56}	15.4	X	158.33267	114.45046	253.82944	6.88939	0.1340208	0.25603622	2.4562267	21	2 7.6	19.0
98074 2000 RT_{56}	15.8	X	117.99059	161.77951	270.01018	5.45249	0.1109978	0.25983538	2.4322256	21	3 10.5	19.0
98075 2000 RT_{62}	15.7	X	153.25284	10.76796	293.90229	3.76791	0.1690016	0.30301476	2.1952982	21	—	—
98076 2000 RY_{63}	15.4	X	152.46802	261.86978	208.18146	5.78943	0.1045998	0.26898189	2.3767711	21	6 14.0	18.9
98077 2000 RO_{64}	15.8	X	193.05147	268.83762	169.27637	6.50653	0.0865194	0.27195559	2.3594135	21	6 16.3	19.2
98078 2000 RZ_{65}	15.5	X	322.46366	335.49113	37.16816	6.21009	0.2121880	0.27907103	2.3191360	21	9 7.3	17.1
98079 2000 RY_{66}	16.2	X	215.41575	113.74383	265.72866	1.12186	0.2227713	0.26582197	2.3955697	21	4 19.0	20.1
98080 2000 RB_{67}	16.2	X	193.23660	10.68981	13.81410	2.55169	0.2450979	0.26308491	2.4121562	21	4 8.1	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
98081 2000 RF_{67}	14.7	X	337.36689	78.17209	15.03496	14.89522	0.0544803	0.24304020	2.5430250	21	—	—
98082 2000 RJ_{67}	15.6	X	305.20230	293.41670	50.46755	4.90966	0.1706055	0.27351993	2.3504088	21	6 16.4	18.0
98083 2000 RG_{68}	15.6	X	157.60787	254.31983	5.29422	5.54468	0.0765100	0.29627828	2.2284497	21	—	—
98084 2000 RC_{69}	16.3	X	246.27671	244.44026	109.95595	2.30197	0.1996247	0.26897636	2.3768037	21	4 16.7	19.9
98085 2000 RR_{70}	15.8	X	288.35539	15.18138	53.52038	5.46174	0.1605815	0.28114884	2.3076956	21	10 1.8	18.1
98086 2000 RW_{70}	15.1	X	342.71481	268.47451	37.16988	6.34137	0.1308892	0.27577215	2.3375942	21	7 6.1	17.2
98087 2000 RH_{71}	15.8	X	243.15135	208.09236	107.35746	4.76892	0.1389594	0.26370119	2.4083965	21	2 28.5	19.4
98088 2000 RS_{71}	15.8	X	182.20401	139.46816	219.42590	1.51959	0.2581356	0.25936800	2.4351466	21	2 28.1	19.9
98089 2000 RO_{72}	16.1	X	11.45727	353.25240	17.11726	4.85754	0.2088481	0.28480124	2.2879233	21	12 26.9	18.5
98090 2000 RE_{73}	16.3	X	21.07281	111.30893	234.84797	0.46573	0.1872079	0.28575896	2.2828085	21	12 3.9	18.5
98091 2000 RK_{73}	16.4	X	290.70602	42.65798	11.95824	5.23439	0.1851062	0.27983400	2.3149186	21	9 8.6	18.6
98092 2000 RT_{73}	16.0	X	51.34882	188.40156	200.99769	3.73020	0.2498170	0.24443655	2.5333311	21	—	—
98093 2000 RW_{73}	15.9	X	245.24241	31.36335	4.85110	2.21535	0.2144131	0.27080608	2.3660855	21	6 6.4	19.4
98094 2000 RG_{77}	15.5	X	162.64113	220.92842	124.43518	8.15682	0.1194794	0.25560741	2.4589729	21	1 15.6	19.1
98095 2000 RQ_{77}	16.3	X	129.99702	274.68003	179.51698	2.21744	0.1686568	0.26510544	2.3998842	21	5 5.2	19.8
98096 2000 RR_{77}	16.3	X	328.31293	195.27466	346.02432	3.49032	0.1052481	0.30527522	2.1844479	21	—	—
98097 2000 RA_{78}	16.0	X	151.19487	215.97920	209.00922	5.98859	0.1289704	0.26444980	2.4038492	21	4 14.9	19.5
98098 2000 RY_{82}	15.6	X	202.81802	209.18895	197.28132	8.90971	0.0746654	0.26881087	2.3777790	21	5 16.7	18.9
98099 2000 RF_{83}	14.7	X	77.61158	236.76130	330.05825	22.72853	0.2471261	0.27625966	2.3348433	21	8 18.3	17.7
98100 2000 RN_{83}	15.7	X	57.73908	171.97449	225.51037	5.17287	0.1946020	0.29521559	2.2337944	21	—	—
98101 2000 RM_{84}	16.3	X	95.26849	314.11440	199.63291	5.87869	0.0616932	0.27087601	2.3656783	21	5 27.7	19.1
98102 2000 RZ_{84}	15.4	X	7.74184	186.11845	28.13612	3.93812	0.0284241	0.22072204	2.7116830	21	4 13.3	18.9
98103 2000 RX_{86}	15.9	X	179.66866	137.54257	300.04468	5.87250	0.0855636	0.26983860	2.3717378	21	5 29.9	19.3
98104 2000 RK_{87}	16.2	X	277.93922	43.84868	4.43514	4.64478	0.1133354	0.27831912	2.3233110	21	8 20.8	18.8
98105 2000 RK_{90}	16.0	X	161.18849	303.35129	284.38389	4.33225	0.1008277	0.29051522	2.2578242	21	11 29.5	19.2
98106 2000 RK_{91}	15.6	X	47.82324	290.56805	334.52729	6.15372	0.1085232	0.27887925	2.3201990	21	9 4.0	17.9
98107 2000 RM_{91}	15.7	X	250.42167	65.99375	247.25874	6.01124	0.0961853	0.26415245	2.4056528	21	3 3.0	19.3
98108 2000 RP_{91}	16.1	X	252.11747	175.02703	239.77285	1.91055	0.2207955	0.27452806	2.3446511	21	7 7.9	19.4
98109 2000 RN_{92}	15.9	X	297.88667	100.29440	318.27849	7.01455	0.0950204	0.28080102	2.3096008	21	10 6.2	18.4
98110 2000 RR_{92}	16.3	X	170.44431	83.26132	248.88907	2.27095	0.0999164	0.30335662	2.1936486	21	—	—
98111 2000 RX_{93}	16.1	X	92.84371	189.20875	79.31022	3.79017	0.1389194	0.28759008	2.2731082	21	11 12.9	19.2
98112 2000 RG_{94}	16.2	X	197.79128	40.11575	301.66885	2.10726	0.2405894	0.26082464	2.4260717	21	2 18.9	20.3
98113 2000 RN_{94}	15.1	X	57.29722	181.10807	7.39125	6.92415	0.0783512	0.26779318	2.3837994	21	5 19.9	17.8
98114 2000 RQ_{95}	15.8	X	17.57834	293.10339	136.52676	5.68951	0.1884928	0.24544909	2.5263592	21	—	—
98115 2000 RF_{100}	16.3	X	315.99149	6.56405	246.88996	1.85274	0.0535810	0.26615679	2.3935602	21	3 12.9	19.2
98116 2000 RA_{103}	12.0	X	342.28092	321.28401	323.88144	14.54866	0.1294898	0.08312802	5.1996138	21	6 10.0	18.5
98117 2000 SP_{2}	15.0	X	302.97875	225.70634	63.80561	27.22844	0.3029637	0.27045835	2.3681132	21	3 26.3	19.0
98118 2000 SL_{3}	15.8	X	91.43194	234.53068	58.34346	8.29337	0.1532878	0.29130822	2.2537248	21	12 13.1	19.0
98119 2000 SA_{4}	15.8	X	144.89308	176.15242	61.78317	6.67099	0.0929688	0.28885365	2.2664744	21	11 25.6	18.9
98120 2000 SK_{5}	15.8	X	50.00101	333.52850	7.92011	6.63008	0.1333795	0.28812548	2.2702914	21	12 29.0	18.8
98121 2000 SB_{6}	15.3	X	281.25887	279.86724	109.96707	22.31841	0.2049835	0.27572058	2.3378856	21	7 11.8	18.1
98122 2000 SW_{11}	15.6	X	56.95766	34.70214	309.59247	4.61826	0.1682148	0.29399647	2.2399654	21	—	—
98123 2000 SG_{15}	16.2	X	296.02835	233.51636	280.94570	4.13200	0.0660234	0.29657178	2.2269792	21	—	—
98124 2000 SB_{20}	16.1	X	265.82453	154.11166	314.97601	5.59851	0.1259085	0.28301628	2.2975331	21	10 24.0	18.7
98125 2000 SB_{21}	16.0	X	202.37040	78.70527	254.61087	4.01799	0.2259672	0.26030802	2.4292806	21	2 10.9	20.2
98126 2000 SH_{23}	15.2	X	206.86439	142.19049	66.18700	6.94300	0.0822399	0.28783954	2.2717947	21	12 29.1	18.1
98127 Vilgusová	16.2	X	142.01001	128.57967	307.87101	3.86416	0.1823072	0.26145884	2.4221470	21	4 23.8	19.9
98128 2000 SS_{24}	15.1	X	311.79790	34.29136	287.41781	6.24765	0.1338006	0.27258234	2.3557954	21	5 30.9	17.7
98129 2000 SD_{25}	14.5	X	261.51568	137.13932	227.81749	23.10562	0.3096430	0.27084613	2.3658523	21	5 3.3	18.5
98130 2000 SD_{28}	15.7	X	50.23336	282.84396	285.50517	6.27641	0.0542720	0.27104209	2.3647118	21	6 5.5	18.3
98131 2000 SX_{30}	16.2	X	172.51501	54.82665	17.96723	2.61095	0.1593287	0.26787210	2.3833312	21	5 18.5	19.8
98132 2000 SD_{37}	16.3	X	11.75470	296.41603	149.33254	5.28000	0.0985707	0.29525313	2.2336050	21	—	—
98133 2000 SL_{38}	16.0	X	62.64294	288.11603	69.19864	3.00002	0.2295329	0.29216345	2.2493246	21	—	—
98134 2000 SM_{39}	15.7	X	78.62268	304.29380	74.80524	5.00879	0.1796741	0.29587793	2.2304594	21	—	—
98135 2000 SO_{40}	15.6	X	180.46269	18.48931	69.12644	7.13231	0.0896284	0.26956434	2.3733462	21	6 14.2	19.1
98136 2000 SP_{40}	16.2	X	49.08079	272.73833	108.93769	5.11412	0.1810664	0.29204338	2.2499410	21	—	—
98137 2000 SO_{41}	16.5	X	208.73037	237.72704	72.08034	1.98442	0.0152147	0.30503219	2.1856080	21	1 4.5	19.1
98138 2000 SW_{42}	15.9	X	115.10778	78.34613	334.88249	5.44508	0.0429112	0.30476137	2.1869026	21	1 24.6	18.3
98139 2000 SG_{53}	12.4	X	241.63766	177.36888	202.90675	6.96315	0.0685433	0.08179936	5.2557670	21	6 4.1	19.6
98140 2000 SK_{54}	16.7	X	284.03747	52.82638	236.67081	1.53817	0.2046662	0.26811779	2.3818750	21	2 27.6	20.1
98141 2000 SV_{57}	16.5	X	210.69314	15.84713	8.43560	1.21475	0.1935157	0.26708694	2.3879998	21	4 21.8	20.4
98142 2000 SX_{59}	16.0	X	124.13912	151.96205	313.76915	1.59687	0.1496623	0.26476803	2.4019227	21	5 10.5	19.3
98143 2000 SS_{60}	12.3	X	310.74978	285.76772	14.52081	3.18515	0.0270673	0.08045284	5.3142478	21	5 26.1	19.1
98144 2000 SR_{61}	15.8	X	46.07251	90.76486	156.27929	2.74491	0.2002392	0.27801398	2.3250107	21	8 21.3	18.1
98145 2000 SK_{64}	16.0	X	62.46678	140.79444	357.40922	2.53477	0.1502696	0.26097979	2.4251101	21	3 27.1	18.1
98146 2000 SM_{64}	15.5	X	46.46834	256.37232	278.02187	0.45190	0.1228919	0.26497924	2.4006462	21	4 16.8	17.6
98147 2000 SR_{64}	15.6	X	245.72873	335.65152	120.16635	3.74772	0.0787355	0.27950817	2.3167173	21	9 17.7	18.4
98148 2000 ST_{64}	16.2	X	333.94582	6.81457	66.06510	4.19347	0.1161329	0.28812398	2.2702993	21	—	—
98149 2000 SL_{65}	16.5	X	243.83516	268.96751	29.47003	2.69868	0.1611421	0.26263555	2.4149068	21	2 6.4	20.2
98150 2000 SO_{66}	16.5	X	290.54996	72.52625	194.20368	3.68059	0.0989195	0.31122200	2.1565317	21	2 10.4	19.2
98151 2000 SU_{66}	16.2	X	225.54408	198.91624	114.33575	3.49054	0.2031932	0.26185101	2.4197280	21	2 7.1	20.1
98152 2000 SW_{66}	16.0	X	127.84004	260.38964	43.54865	6.44464	0.1511216	0.29484785	2.2356513	21	—	—
98153 2000 SY_{68}	12.1	X	350.56289	251.04312	18.97949	5.32463	0.0327362	0.08047201	5.3134039	21	6 7.9	18.9
98154 2000 SE_{69}	15.7	X	340.46073	6.75668	11.61375	4.28203	0.1610232	0.28299901	2.2976266	21	10 30.2	17.5
98155 2000 SF_{70}	15.8	X	27.54194	231.68775	20.81375	7.15782	0.0787332	0.27391297	2.3481598	21	7 8.9	18.4
98156 2000 SO_{71}	15.9	X	275.97132	95.97089	34.46342	9.98067	0.0598291	0.28831056	2.2693197	21	12 23.3	18.5
98157 2000 SF_{73}	15.3	X	23.45080	353.55649	57.77260	3.86275	0.1634375	0.24381227	2.5376536	21	—	—
98158 2000 ST_{75}	15.2	X	36.66310	218.99305	58.19366	6.69536	0.1523767	0.27861208	2.3216821	21	9 16.1	17.7
98159 2000 SN_{76}	15.9	X	329.51467	296.77536	63.93583	5.60799	0.1685122	0.27919604	2.3184437	21	9 8.5	17.7
98160 2000 SP_{77}	16.3	X	168.49898	110.59448	354.70031	3.66539	0.2013863	0.26999867	2.3708002	21	6 28.2	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
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98161 2000 SG_{78}	16.1	X	37.16415	352.07123	188.38279	2.36325	0.1311174	0.26509917	2.3999221	21	4 8.9	18.1
98162 2000 SP_{78}	16.1	X	171.38322	249.82713	82.09169	2.94848	0.1749650	0.25638510	2.4539980	21	1 13.5	19.9
98163 2000 SX_{82}	15.8	X	320.46506	242.26457	52.31239	7.22409	0.1059950	0.27010565	2.3701742	21	5 10.2	18.3
98164 2000 SR_{84}	15.8	X	68.30221	191.50796	29.15935	6.43680	0.0631120	0.27382645	2.3486544	21	7 26.6	18.6
98165 2000 SP_{85}	16.3	X	274.03811	309.27525	99.81509	3.52933	0.1843643	0.27618988	2.3352365	21	8 2.7	19.2
98166 2000 ST_{85}	15.9	X	316.32446	51.12950	50.13215	7.11139	0.0430574	0.28924745	2.2644167	21	—	—
98167 2000 SF_{86}	15.3	X	309.39806	272.13109	66.66873	7.33701	0.1512161	0.27426964	2.3461236	21	6 19.4	17.7
98168 2000 SV_{86}	15.5	X	334.32107	14.56980	61.35157	6.74604	0.1378675	0.28713482	2.2755103	21	—	—
98169 2000 SB_{87}	16.0	X	28.84752	31.04878	68.75771	7.72238	0.0714072	0.29789553	2.2203770	21	—	—
98170 2000 SJ_{87}	16.2	X	204.63201	328.84353	132.54696	5.38060	0.1804663	0.27180734	2.3602713	21	7 25.9	19.7
98171 2000 SD_{88}	14.5	X	111.47047	88.55253	66.75627	10.17983	0.1586999	0.26684586	2.3894378	21	7 4.4	18.0
98172 2000 SN_{92}	15.1	X	298.58738	288.54029	292.24109	11.05148	0.1146525	0.26030158	2.4293206	21	—	—
98173 2000 SO_{92}	15.5	X	263.97157	242.71321	286.23384	9.23563	0.0473164	0.29497366	2.2350156	21	—	—
98174 2000 SM_{93}	15.9	X	137.66477	291.46062	270.50086	7.76578	0.0775972	0.28259516	2.2998150	21	9 25.4	19.2
98175 2000 SU_{94}	16.0	X	151.54726	242.06551	243.43410	6.33989	0.0574568	0.27299203	2.3534379	21	6 30.3	19.1
98176 2000 SU_{95}	16.4	X	320.52934	213.64708	226.54552	4.21013	0.0399781	0.28912750	2.2650430	21	12 22.8	18.7
98177 2000 SX_{97}	16.2	X	147.15449	198.50182	242.30371	3.81755	0.1930292	0.26407950	2.4060958	21	5 6.8	19.7
98178 2000 SU_{99}	15.6	X	70.25983	214.31023	298.63178	2.55768	0.0699587	0.26482622	2.4015708	21	4 18.2	18.3
98179 2000 SA_{100}	15.8	X	162.68326	148.36893	263.62995	1.74069	0.1601542	0.26289594	2.4133119	21	4 12.0	19.5
98180 2000 SJ_{102}	16.5	X	210.13558	354.53769	312.18482	1.57090	0.2054336	0.25943352	2.4347366	21	1 17.9	20.4
98181 2000 SC_{103}	15.6	X	40.57411	6.67444	193.70393	6.29290	0.0618146	0.26793934	2.3829324	21	5 11.2	18.2
98182 2000 SR_{105}	16.6	X	281.82245	253.39183	226.11539	1.68064	0.1066903	0.28759648	2.2730745	21	12 12.3	18.5
98183 2000 SH_{106}	15.8	X	65.12058	184.03894	336.25624	0.80276	0.1063986	0.26461003	2.4028787	21	4 26.9	18.2
98184 2000 SY_{106}	15.7	X	261.34130	62.32645	205.13638	4.11889	0.1726252	0.26043157	2.4285122	21	1 13.5	19.6
98185 2000 SN_{108}	16.5	X	142.81096	160.96092	191.81869	6.58053	0.1068755	0.30142658	2.2030026	21	—	—
98186 2000 SE_{109}	16.2	X	184.16978	12.01823	36.40144	2.65857	0.0882976	0.26553634	2.3972872	21	4 26.8	19.4
98187 2000 SO_{109}	16.5	X	330.51417	201.89694	194.07843	3.30136	0.1041307	0.28325942	2.2962182	21	11 5.9	18.5
98188 2000 SA_{110}	16.5	X	185.07343	24.11591	355.12132	1.49776	0.1987600	0.26228280	2.4170715	21	3 24.9	20.5
98189 2000 SN_{110}	16.1	X	138.37931	264.20814	180.29218	0.78276	0.1607606	0.26277374	2.4140601	21	4 30.3	19.5
98190 2000 SL_{112}	16.1	X	166.24421	301.95609	202.80977	5.89272	0.0518645	0.27523175	2.3406530	21	8 13.4	19.4
98191 2000 SN_{113}	16.2	X	218.57149	337.15449	44.23190	2.89845	0.2263021	0.26689242	2.3891599	21	4 24.5	20.3
98192 2000 SM_{114}	16.0	X	168.49584	4.22341	79.24789	2.14481	0.1413477	0.26653294	2.3913077	21	5 28.6	19.5
98193 2000 SG_{115}	15.2	X	170.73582	283.01416	192.10879	9.56952	0.0634002	0.27148285	2.3621517	21	7 9.1	18.6
98194 2000 SG_{116}	16.8	X	177.34417	297.16403	45.36157	3.64230	0.1734104	0.30490338	2.1862235	21	1 25.4	20.0
98195 2000 SX_{116}	16.3	X	314.22801	248.41443	173.18112	7.35657	0.0747473	0.28354136	2.2946957	21	11 16.6	18.7
98196 2000 SZ_{116}	16.2	X	222.69807	278.68985	63.37257	3.29197	0.2045737	0.26350877	2.4095688	21	3 12.6	20.2
98197 2000 SQ_{117}	16.0	X	101.56086	245.56664	69.28267	3.71135	0.1902775	0.29217023	2.2492898	21	—	—
98198 2000 SJ_{118}	15.8	X	33.40218	8.39615	36.54562	5.03034	0.1322209	0.29183902	2.2509913	21	—	—
98199 2000 SQ_{119}	15.7	X	23.99701	15.73752	47.97087	7.15674	0.1156650	0.29257084	2.2472360	21	—	—
98200 2000 SN_{121}	15.9	X	81.83760	253.00119	76.51571	5.09525	0.1949310	0.29084264	2.2561294	21	—	—
98201 2000 SJ_{122}	14.6	X	231.17720	90.99634	72.18863	5.86868	0.0935407	0.28508627	2.2863981	21	11 27.7	17.3
98202 2000 SF_{123}	15.5	X	23.91429	202.99988	101.63966	4.28733	0.1727384	0.27985937	2.3147787	21	10 7.6	17.7
98203 2000 SM_{123}	15.2	X	340.65973	44.47590	60.83386	7.73200	0.1614300	0.29056199	2.2575819	21	—	—
98204 2000 SY_{124}	15.9	X	125.98917	218.59267	178.74827	9.90301	0.1575886	0.25498444	2.4629764	21	2 11.9	19.3
98205 2000 SG_{125}	14.9	X	65.77037	86.94165	78.36139	7.67879	0.0730553	0.26318082	2.4115701	21	5 3.6	17.7
98206 2000 SE_{126}	15.1	X	23.70173	348.87708	180.66857	9.37880	0.0342897	0.25793836	2.4441363	21	2 27.2	18.0
98207 2000 SQ_{126}	15.7	X	46.59109	281.05959	279.18922	1.36946	0.1483292	0.26787915	2.3832893	21	5 30.7	17.9
98208 2000 SZ_{126}	15.4	X	3.41027	199.56997	357.69069	0.84819	0.1242478	0.26145879	2.4221473	21	2 28.2	17.7
98209 2000 SK_{130}	15.1	X	322.21337	10.33621	270.62924	13.07239	0.0574578	0.22370731	2.6875049	21	5 1.3	18.8
98210 2000 SF_{133}	15.7	X	216.35429	19.74268	276.82775	8.99967	0.1208946	0.25908275	2.4369337	21	1 8.9	19.3
98211 2000 SX_{137}	15.8	X	184.02551	86.62919	321.02586	5.68266	0.1096947	0.26557970	2.3970263	21	4 23.5	19.5
98212 2000 SC_{138}	15.7	X	265.86279	193.68750	301.61453	5.07039	0.1006830	0.28724746	2.2749154	21	12 8.6	18.1
98213 2000 SV_{138}	16.2	X	43.58534	146.54869	214.47682	5.15550	0.1338900	0.28950419	2.2630778	21	—	—
98214 2000 SD_{140}	16.1	X	233.06053	99.30413	248.30613	3.41968	0.2198599	0.26595518	2.3947697	21	3 24.0	20.2
98215 2000 SM_{140}	16.3	X	12.94685	120.03331	226.29835	2.64986	0.2683539	0.28465232	2.2887212	21	12 5.2	18.3
98216 2000 SQ_{140}	15.9	X	214.89014	225.30239	252.87851	3.22049	0.1072403	0.27735226	2.3287073	21	9 1.8	19.2
98217 2000 SV_{141}	16.0	X	254.68652	241.26290	228.04854	4.45621	0.0843748	0.28188970	2.3036504	21	10 16.3	18.6
98218 2000 SG_{142}	15.3	X	315.10406	143.69502	296.77457	6.51258	0.0524470	0.28610668	2.2809585	21	12 14.2	17.7
98219 2000 SK_{142}	15.7	X	212.09644	64.98715	349.98508	6.07994	0.1048713	0.26950428	2.3736988	21	6 4.4	19.3
98220 2000 SC_{143}	15.7	X	49.94891	330.39715	345.03852	4.13500	0.1629593	0.28517419	2.2859281	21	11 26.4	18.6
98221 2000 SL_{143}	14.9	X	239.53440	283.00261	243.71257	12.58552	0.2342994	0.23918885	2.5702503	21	11 13.7	18.5
98222 2000 SL_{144}	16.3	X	226.96348	63.31154	355.20648	4.49705	0.1408551	0.27172905	2.3607247	21	6 24.4	19.9
98223 2000 SQ_{144}	15.7	X	179.51820	64.11151	339.84503	2.30110	0.1819131	0.26381390	2.4077105	21	4 18.6	19.5
98224 2000 ST_{144}	16.5	X	225.05272	309.89817	336.58039	3.62635	0.0918984	0.30404974	2.1903136	21	—	—
98225 2000 SU_{146}	15.7	X	238.61461	124.09805	349.91206	1.97394	0.0835610	0.27998339	2.3140951	21	9 30.9	18.6
98226 2000 SW_{146}	16.4	X	196.66829	213.53150	219.14365	1.99684	0.2039239	0.26839867	2.3802129	21	6 10.6	20.3
98227 2000 SO_{147}	16.1	X	171.99355	249.94463	211.11422	3.25303	0.1514668	0.26850333	2.3795944	21	6 24.5	19.9
98228 2000 SV_{147}	16.4	X	84.35621	328.53163	334.28739	1.79060	0.1323106	0.28784949	2.2717423	21	12 16.7	19.6
98229 2000 SE_{150}	16.3	X	274.32154	1.98934	326.64559	0.51730	0.1998354	0.26894227	2.3770045	21	4 9.9	19.7
98230 2000 SS_{150}	16.3	X	221.43187	4.52084	332.06488	1.48631	0.2272382	0.26281100	2.4138319	21	3 2.8	20.4
98231 2000 SG_{151}	15.1	X	347.12714	257.40802	23.98163	7.96999	0.1248252	0.27165420	2.3611583	21	6 3.4	17.5
98232 2000 SJ_{151}	15.9	X	332.89245	3.92599	21.89380	4.10679	0.1617972	0.28168274	2.3047787	21	10 25.4	17.4
98233 2000 SN_{151}	15.3	X	59.97290	303.61516	65.12325	1.19929	0.1594536	0.24403622	2.5361009	21	—	—
98234 2000 SA_{152}	15.5	X	68.79666	24.92404	28.97145	6.55732	0.1306564	0.29716334	2.2240228	21	—	—
98235 2000 SE_{153}	15.3	X	327.76886	41.23245	30.91819	1.25913	0.1876140	0.23761484	2.5815885	21	12 13.2	17.3
98236 2000 SK_{153}	16.7	X	346.25204	0.75404	58.66807	1.14816	0.1704783	0.28650698	2.2788334	21	—	—
98237 2000 SQ_{153}	15.9	X	151.51145	69.74212	39.44379	6.97749	0.0824446	0.26731532	2.3866394	21	6 9.1	19.2
98238 2000 SS_{154}	14.7	X	298.41271	68.68301	56.30767	5.99181	0.1418730	0.28756650	2.2732325	21	—	—
98239 2000 SH_{156}	16.0	X	232.19872	176.38707	19.43934	8.64837	0.0587536	0.29107767	2.2549147	21	—	—
98240 2000 SK_{158}	15.1	X	99.25563	303.08330	192.02938	5.61374	0.0762003	0.26344657	2.4099481	21	5 9.8	18.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
98241 2000 SL_{158}	16.4	X	16.83599	229.15702	177.03594	3.44985	0.1610694	0.28912128	2.2650755	21	—	—
98242 2000 SS_{162}	15.9	X	243.23366	179.84115	324.93906	4.87124	0.0864190	0.28453580	2.2893460	21	11 18.1	18.7
98243 2000 SE_{166}	15.6	X	240.55472	192.17309	269.45426	5.76271	0.1062958	0.27889004	2.3201392	21	9 9.4	18.7
98244 2000 SH_{166}	16.1	X	203.15657	171.43212	298.46158	6.21510	0.0565306	0.27571862	2.3378967	21	8 12.1	19.3
98245 2000 SO_{166}	15.8	X	17.25695	151.89918	264.03850	4.73299	0.1575757	0.29120857	2.2542389	21	—	—
98246 2000 SY_{166}	15.6	X	130.09663	215.65810	214.47171	14.45538	0.0656018	0.26097987	2.4251096	21	3 16.5	19.1
98247 2000 SJ_{167}	15.6	X	297.30884	78.16764	222.83377	11.72976	0.2234234	0.26991358	2.3712985	21	3 23.9	19.1
98248 2000 SP_{167}	15.2	X	36.58667	33.89280	261.57834	5.16803	0.1219804	0.28064464	2.3104587	21	10 1.1	17.9
98249 2000 SH_{169}	16.1	X	316.34656	168.07414	279.01339	5.39074	0.1260517	0.28640604	2.2793688	21	12 27.6	18.0
98250 2000 SO_{169}	16.0	X	245.22918	105.58768	284.37777	1.79780	0.1751301	0.27069238	2.3667481	21	6 2.0	19.5
98251 2000 SQ_{169}	16.1	X	4.60991	159.55779	221.48297	4.25148	0.1422846	0.28548038	2.2842933	21	12 19.9	18.4
98252 2000 SY_{170}	15.4	X	178.99235	161.12081	216.11626	8.10633	0.0785891	0.25977509	2.4326019	21	3 8.2	18.9
98253 2000 SH_{174}	15.4	X	42.77190	340.42602	279.11890	9.44326	0.1455239	0.27692246	2.3311162	21	8 20.3	18.0
98254 2000 SU_{178}	15.9	X	48.45008	21.86489	316.92476	4.17739	0.1994275	0.28672477	2.2776793	21	12 31.9	19.1
98255 2000 SX_{180}	15.9	X	197.32692	319.89846	161.55964	1.48997	0.1812768	0.27789992	2.3256469	21	8 14.5	19.3
98256 2000 SD_{181}	14.6	X	356.01466	262.04908	104.18105	12.58830	0.1178882	0.19106539	2.9854836	21	10 27.2	18.4
98257 2000 SJ_{181}	15.8	X	259.97264	8.56409	56.32514	4.69741	0.0932772	0.27995867	2.3142313	21	8 22.8	18.7
98258 2000 SG_{182}	15.8	X	40.62364	328.41871	48.47719	6.49141	0.1963511	0.29214951	2.2493961	21	—	—
98259 2000 SH_{182}	15.9	X	218.61456	300.84541	78.15817	8.34010	0.1652411	0.26885592	2.3775134	21	4 26.1	19.7
98260 2000 SL_{182}	15.5	X	305.35147	189.78027	111.95512	7.81870	0.2194510	0.27313701	2.3526050	21	4 12.0	18.5
98261 2000 SA_{185}	15.9	X	161.96995	254.19488	158.84239	7.31289	0.1082922	0.26331600	2.4107447	21	4 11.7	19.4
98262 2000 SF_{185}	15.5	X	221.40727	332.92993	116.63657	6.92002	0.2027966	0.27304898	2.3531106	21	7 25.3	18.9
98263 2000 SR_{185}	15.9	X	212.44200	192.82456	103.79031	7.23459	0.1227938	0.25805043	2.4434286	21	1 5.9	19.7
98264 2000 SO_{187}	16.1	X	228.80334	109.40037	357.92583	4.64102	0.1092162	0.27803095	2.3249161	21	9 6.1	19.0
98265 2000 SX_{187}	15.9	X	249.55547	304.56470	115.05545	7.17928	0.1446864	0.27427138	2.3461137	21	7 21.6	19.1
98266 2000 SU_{189}	16.1	X	80.23274	103.15606	230.17814	5.94408	0.1729323	0.29120254	2.2542700	21	—	—
98267 2000 SN_{193}	15.9	X	282.28983	331.60633	90.55996	4.82474	0.1243691	0.28132854	2.3067128	21	9 17.5	18.3
98268 2000 SR_{196}	16.2	X	174.44987	111.45617	4.11252	5.62742	0.1774425	0.27290929	2.3539135	21	7 17.9	20.0
98269 2000 SL_{200}	16.4	X	308.60722	66.47796	4.83014	5.81291	0.1347820	0.28419077	2.2911986	21	11 14.3	18.3
98270 2000 SW_{203}	16.1	X	240.38745	257.67105	35.22214	3.74445	0.1702904	0.26103885	2.4247443	21	1 27.7	19.9
98271 2000 SY_{203}	16.1	X	232.89321	18.43901	120.91481	1.23931	0.1512789	0.28275212	2.2989638	21	10 19.8	19.1
98272 2000 SN_{205}	15.3	X	46.25509	270.16758	207.42778	5.56251	0.1003313	0.25489751	2.4635364	21	1 21.9	18.0
98273 2000 SG_{207}	16.3	X	356.29927	34.18319	12.61303	5.13581	0.0669851	0.28687809	2.2768677	21	—	—
98274 2000 SU_{207}	16.2	X	276.52168	225.45041	45.49859	2.72454	0.1734055	0.26220400	2.4175558	21	2 2.6	19.9
98275 2000 SB_{211}	15.9	X	15.61624	253.07826	112.92141	5.33219	0.1582846	0.28616403	2.2806537	21	12 19.1	18.3
98276 2000 SF_{211}	15.6	X	138.22974	63.49658	87.40813	7.01463	0.1000402	0.27200078	2.3591522	21	7 24.2	19.0
98277 2000 SM_{211}	15.3	X	137.96353	352.92635	126.28983	7.23434	0.0580011	0.26813755	2.3817579	21	6 5.8	18.5
98278 2000 SE_{212}	16.3	X	233.00332	219.29142	100.65408	5.87472	0.1457661	0.30987662	2.1627692	21	2 18.1	19.4
98279 2000 SK_{212}	15.3	X	200.53328	250.41343	118.27342	7.15745	0.1439065	0.26299567	2.4127018	21	3 27.9	19.1
98280 2000 SU_{213}	15.5	X	10.50262	342.23033	49.86632	18.20174	0.1773137	0.23983383	2.5656402	21	—	—
98281 2000 SZ_{216}	15.7	X	206.70645	291.29115	77.44932	7.62210	0.1386815	0.26365197	2.4086963	21	4 3.5	19.5
98282 2000 SY_{217}	15.3	X	78.74176	318.94308	96.94472	6.68673	0.1898193	0.25088776	2.4897155	21	1 4.1	17.6
98283 2000 SB_{218}	15.4	X	351.03255	148.50951	126.51807	7.29373	0.1498908	0.27138325	2.3627296	21	6 2.5	17.5
98284 2000 SG_{218}	15.2	X	211.43847	328.07197	102.82497	7.51597	0.0836667	0.27063475	2.3670840	21	6 27.8	18.4
98285 2000 SV_{220}	15.4	X	131.31097	329.67598	98.04173	6.94494	0.1028404	0.25996046	2.4314454	21	3 27.9	18.7
98286 2000 SR_{221}	15.6	X	14.79131	232.98612	144.46419	8.48388	0.1644500	0.28577416	2.2827276	21	—	—
98287 2000 SM_{222}	15.9	X	169.05934	270.74574	67.86724	15.07118	0.1697428	0.25493082	2.4633218	21	1 21.1	19.9
98288 2000 SY_{222}	16.0	X	160.05863	294.55372	213.32212	1.65957	0.1424376	0.27450038	2.3448087	21	8 13.2	19.7
98289 2000 SP_{226}	14.9	X	262.26804	59.17916	55.88865	22.55452	0.1820188	0.27974415	2.3154143	21	10 27.9	17.7
98290 2000 SE_{228}	15.7	X	357.79113	344.37534	209.33207	3.99023	0.1223123	0.25970894	2.4330150	21	2 11.9	18.4
98291 2000 SS_{229}	15.9	X	134.82099	237.99035	195.17722	2.50973	0.0407823	0.26112873	2.4241879	21	3 26.7	19.1
98292 2000 SC_{230}	16.2	X	79.80221	87.51562	24.68642	5.74364	0.1214393	0.25754321	2.4466357	21	3 17.8	18.8
98293 2000 SD_{230}	16.5	X	188.31112	303.21626	21.59341	2.80400	0.2059603	0.30442442	2.1885160	21	1 15.6	19.9
98294 2000 SO_{230}	16.2	X	201.61576	10.88276	17.63274	2.51254	0.2195309	0.26455606	2.4032055	21	4 19.3	20.2
98295 2000 SE_{231}	15.4	X	193.23559	54.83681	9.34416	6.27423	0.1072495	0.26680939	2.3896556	21	5 26.6	18.9
98296 2000 SC_{233}	15.4	X	238.58885	324.08919	205.87378	25.13401	0.2206807	0.28804682	2.2707047	21	11 27.7	18.6
98297 2000 SO_{233}	15.5	X	173.81713	41.10309	86.91652	7.42560	0.0695277	0.27567054	2.3381685	21	8 3.3	18.8
98298 2000 SO_{234}	15.8	X	228.82638	58.02689	122.78210	7.41081	0.0613812	0.29110244	2.2547868	21	12 25.0	18.4
98299 2000 SD_{235}	16.8	X	54.06484	47.80970	68.35329	0.87592	0.0623926	0.30660653	2.1781199	21	1 20.1	18.8
98300 2000 SE_{235}	16.2	X	105.77037	157.26005	17.25378	2.58465	0.0381964	0.27433864	2.3457302	21	7 7.6	19.0
98301 2000 SS_{237}	15.6	X	31.73892	286.94340	79.92976	6.32657	0.1877756	0.28842900	2.2686984	21	—	—
98302 2000 SX_{237}	15.0	X	141.24596	228.68032	78.91181	7.66975	0.2654864	0.29774569	2.2211219	21	—	—
98303 2000 SZ_{237}	15.4	X	194.94018	8.81029	90.76522	8.26222	0.0753505	0.27231312	2.3573479	21	7 18.9	18.6
98304 2000 SJ_{241}	16.2	X	255.38566	322.07728	304.97382	2.16242	0.0911107	0.30523780	2.1846264	21	1 4.3	19.2
98305 2000 SG_{243}	16.1	X	330.35503	280.31457	20.23304	6.36789	0.1207824	0.27496936	2.3421418	21	6 1.7	18.5
98306 2000 SP_{243}	16.6	X	124.17027	118.49789	308.98621	2.30801	0.0893160	0.26206230	2.4184272	21	3 11.4	19.7
98307 2000 SO_{251}	15.8	X	97.67272	176.38918	314.37533	1.79917	0.1511227	0.26450258	2.4035294	21	5 11.7	18.8
98308 2000 SY_{251}	16.1	X	237.53563	326.97997	109.56765	4.74589	0.1191906	0.27542469	2.3395597	21	8 3.4	19.3
98309 2000 SF_{254}	16.1	X	297.93440	327.72693	115.44024	4.05990	0.1012978	0.28497745	2.2869801	21	11 18.1	18.3
98310 2000 ST_{256}	16.4	X	337.14415	182.75687	347.88541	5.25085	0.0610906	0.30361328	2.1924122	21	—	—
98311 2000 SO_{257}	16.3	X	174.58614	264.17473	66.01421	2.70838	0.0173731	0.30236702	2.1984323	21	—	—
98312 2000 SK_{258}	15.7	X	129.27282	16.34817	125.09666	3.27584	0.1468988	0.26808269	2.3820829	21	7 4.1	19.2
98313 2000 SP_{258}	16.3	X	229.98346	325.22562	123.16698	5.70643	0.1888669	0.27388268	2.3483329	21	8 2.7	19.9
98314 2000 SA_{259}	15.9	X	98.52647	128.86823	79.72354	6.12821	0.0198250	0.27477189	2.3432638	21	8 15.1	18.8
98315 2000 SG_{261}	15.5	X	327.80258	211.09800	181.60535	5.49053	0.1643112	0.28045613	2.3114940	21	10 26.7	17.1
98316 2000 SQ_{261}	15.6	X	57.36926	24.72580	136.83767	6.65698	0.0853558	0.26201984	2.4186884	21	4 16.9	18.3
98317 2000 SR_{262}	15.8	X	278.46449	37.26045	72.80997	6.53674	0.1048404	0.28578030	2.2826948	21	11 22.8	17.9
98318 2000 SR_{263}	15.8	X	120.90748	277.33210	238.91951	1.45805	0.1465229	0.27135525	2.3628921	21	7 14.7	19.2
98319 2000 SQ_{265}	15.9	X	342.08303	240.59486	66.03371	7.24874	0.2360073	0.27648180	2.3335925	21	6 23.9	17.4
98320 2000 SA_{269}	15.4	X	296.45241	33.91925	55.55592	11.07202	0.1278112	0.23572004	2.5954044	21	11 9.9	18.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
98321 2000 SS_{269}	15.0	X	57.29648	138.63802	74.43395	6.85908	0.0600251	0.26896289	2.3768830	21	6 25.1	17.6
98322 2000 SY_{269}	16.2	X	108.79727	202.44793	114.75441	5.63099	0.1879078	0.29231169	2.2485640	21	—	—
98323 2000 SB_{270}	15.6	X	293.10179	13.28799	57.20809	8.34490	0.1113913	0.28031481	2.3122708	21	10 20.7	17.9
98324 2000 SK_{271}	16.2	X	18.52614	86.41380	93.08296	3.42612	0.0996342	0.30664828	2.1779222	21	2 22.3	18.1
98325 2000 SR_{273}	15.0	X	21.67442	161.35838	43.75192	5.98302	0.1147637	0.26389634	2.4072090	21	4 17.0	17.1
98326 2000 SG_{274}	15.4	X	290.26771	276.43494	51.94817	4.63594	0.1393728	0.26964456	2.3728754	21	5 7.8	18.2
98327 2000 SN_{274}	16.2	X	69.18124	33.97964	36.54322	2.64159	0.0079865	0.29947565	2.2125599	21	—	—
98328 2000 SU_{276}	16.2	X	274.98563	63.48740	66.35889	4.72612	0.0746723	0.28708505	2.2757733	21	12 19.2	18.6
98329 2000 SB_{278}	16.0	X	285.07040	299.04132	16.25467	2.72649	0.1968145	0.26788750	2.3832398	21	4 4.9	19.4
98330 2000 SE_{286}	16.3	X	301.08460	357.18946	134.49732	3.22478	0.1027862	0.29064142	2.2571706	21	—	—
98331 2000 SL_{290}	16.2	X	162.11985	155.71164	309.31945	2.96533	0.2310226	0.26793390	2.3829647	21	6 22.9	20.2
98332 2000 SF_{294}	14.7	X	130.67854	206.75240	235.84212	22.64274	0.1420037	0.25893557	2.4378571	21	4 13.9	18.5
98333 2000 SC_{295}	15.8	X	300.78733	75.48383	315.61791	4.77314	0.3118674	0.27680393	2.3317816	21	7 26.2	17.7
98334 2000 SK_{295}	15.7	X	289.91930	37.47947	345.55322	5.84386	0.1820316	0.27364854	2.3496723	21	7 20.5	18.3
98335 2000 SP_{295}	14.6	X	335.18943	91.84642	18.97728	7.19528	0.1196636	0.28837530	2.2689800	21	—	—
98336 2000 SS_{295}	15.4	X	266.26498	154.84709	260.92391	6.27814	0.0972261	0.27303271	2.3532041	21	8 12.1	18.4
98337 2000 SX_{295}	15.3	X	227.20918	48.79386	303.20994	5.13824	0.1714971	0.26166461	2.4208770	21	3 25.5	19.3
98338 2000 SB_{296}	15.5	X	335.37239	3.47554	332.97634	6.19201	0.2557543	0.27525234	2.3405362	21	7 30.3	16.7
98339 2000 SG_{296}	15.5	X	264.24083	214.19894	247.70660	12.14287	0.1541057	0.27766959	2.3269328	21	10 3.4	18.4
98340 2000 SU_{296}	16.1	X	194.30168	200.52980	260.58490	6.04785	0.0799627	0.27404719	2.3473930	21	7 18.4	19.3
98341 2000 SF_{298}	15.9	X	354.60033	20.20375	234.98053	6.18050	0.0916186	0.27037381	2.3686068	21	5 11.8	18.2
98342 2000 SD_{299}	16.5	X	89.02313	125.11245	267.12598	3.36096	0.0772442	0.29886723	2.2155617	21	—	—
98343 2000 SR_{301}	16.4	X	313.16824	109.55896	347.07179	7.05611	0.0606180	0.28833648	2.2691837	21	—	—
98344 2000 SH_{302}	16.0	X	326.55205	326.36022	307.62041	2.28600	0.2052037	0.26947455	2.3738734	21	4 1.3	18.5
98345 2000 SQ_{304}	15.7	X	189.20089	164.65611	303.64073	4.54697	0.1840556	0.27147806	2.3621795	21	7 20.7	19.4
98346 2000 SW_{304}	16.1	X	319.35947	182.40629	340.36361	7.23717	0.0704608	0.29805187	2.2196005	21	—	—
98347 2000 SV_{306}	15.8	X	293.33336	26.11995	229.44832	6.98097	0.0804396	0.26044938	2.4284015	21	2 8.7	19.2
98348 2000 SM_{307}	16.0	X	235.69269	179.82443	280.22655	7.40533	0.1123587	0.27759090	2.3273725	21	8 30.5	19.3
98349 2000 ST_{309}	16.7	X	21.47285	319.80944	155.97037	2.38332	0.0975520	0.30023543	2.2088256	21	—	—
98350 2000 SL_{318}	16.0	X	245.03548	242.62690	86.00104	8.29973	0.2108049	0.26641907	2.3919890	21	3 17.1	20.0
98351 2000 SG_{323}	16.1	X	67.72461	356.54523	189.50613	2.04658	0.1309740	0.26841300	2.3801282	21	6 13.3	18.8
98352 2000 SX_{327}	15.4	X	275.57350	346.51055	69.33281	5.41097	0.1584914	0.27478629	2.3431819	21	8 21.4	18.2
98353 2000 SU_{328}	16.8	X	73.21131	39.17022	20.95981	6.25645	0.1062492	0.30161152	2.2021020	21	—	—
98354 2000 SM_{330}	16.0	X	234.07705	154.75893	25.66488	6.64175	0.1997909	0.28905846	2.2654037	21	12 8.2	18.9
98355 2000 SZ_{335}	15.3	X	347.84577	241.89404	323.35602	5.31373	0.0708560	0.26020615	2.4299146	21	2 20.0	18.1
98356 2000 SG_{336}	15.9	X	215.28616	93.58272	8.83109	5.43483	0.1642182	0.27314171	2.3525780	21	8 10.2	19.4
98357 2000 SS_{336}	15.5	X	104.39261	205.86663	28.09744	7.07194	0.1085256	0.27799020	2.3251433	21	10 7.5	18.6
98358 2000 SA_{337}	15.2	X	303.22640	343.84685	31.41085	7.36146	0.1297932	0.27488136	2.3426417	21	8 12.2	17.7
98359 2000 SN_{349}	15.1	X	19.99767	246.62488	159.93320	15.69905	0.1219717	0.24235819	2.5477936	21	—	—
98360 2000 SV_{354}	15.6	X	339.76362	2.17005	33.27108	11.47578	0.1443306	0.28601604	2.2814404	21	11 23.1	17.5
98361 2000 SG_{361}	12.4	X	342.59962	198.77442	95.93382	10.04335	0.1050687	0.08479521	5.1312341	21	6 23.6	18.8
98362 2000 SA_{363}	12.4	X	266.84611	77.01591	297.19958	25.67269	0.0173394	0.08548362	5.1036489	21	7 3.3	19.3
98363 2000 SL_{363}	16.5	X	106.59455	118.42067	327.08935	5.88148	0.2000066	0.26001442	2.4311090	21	3 28.3	19.6
98364 2000 SE_{364}	15.6	X	251.26992	303.09599	100.33401	7.23261	0.1005937	0.27611135	2.3356793	21	7 6.9	18.4
98365 2000 SK_{367}	15.7	X	190.73702	228.95968	272.66196	7.19393	0.1103610	0.27757112	2.3274831	21	9 3.6	19.1
98366 2000 TJ_{11}	16.6	X	233.96895	56.01261	41.32768	3.20318	0.1793231	0.27589662	2.3368910	21	8 21.6	20.0
98367 2000 TP_{16}	16.2	X	82.62567	314.43146	174.87031	1.35522	0.1435289	0.25996973	2.4313876	21	4 17.6	18.7
98368 2000 TU_{17}	16.8	X	3.42480	103.93901	12.00104	3.99826	0.0474467	0.29659227	2.2268767	21	—	—
98369 2000 TA_{18}	15.8	X	30.31140	39.90107	202.00716	6.21325	0.0614120	0.27029292	2.3690793	21	6 24.1	18.5
98370 2000 TW_{18}	16.6	X	271.64019	56.80001	59.02155	2.11154	0.1383247	0.28354703	2.2946651	21	11 13.7	18.7
98371 2000 TL_{19}	15.9	X	318.73466	227.12303	90.62426	8.06439	0.1322714	0.27504102	2.3417349	21	6 7.3	18.1
98372 2000 TO_{19}	15.9	X	254.75387	309.60621	67.85284	7.31331	0.1284806	0.27220675	2.3579619	21	5 31.9	19.1
98373 2000 TC_{20}	15.7	X	351.22396	356.56496	66.25280	10.76136	0.0667397	0.28982702	2.2613969	21	—	—
98374 2000 TD_{23}	16.8	X	287.54413	245.97133	234.27974	0.17570	0.1058721	0.28811935	2.2703236	21	12 23.9	18.7
98375 2000 TU_{25}	16.1	X	349.25259	318.50230	259.54881	0.35395	0.1185988	0.26405312	2.4062561	21	3 5.4	18.7
98376 2000 TN_{26}	15.9	X	9.58362	196.23224	57.46930	5.85938	0.2019638	0.27370905	2.3493260	21	6 7.3	17.2
98377 2000 TV_{26}	15.3	X	49.16599	108.70663	63.17240	6.17969	0.1702714	0.26081719	2.4261179	21	4 26.6	17.4
98378 2000 TY_{27}	16.1	X	71.47879	237.55187	296.28060	2.31609	0.1051489	0.26639226	2.3921495	21	5 27.2	18.6
98379 2000 TN_{33}	14.7	X	78.75964	35.71550	271.74622	24.16894	0.1661139	0.28619503	2.2804890	21	12 20.1	18.1
98380 2000 TR_{35}	16.4	X	260.47943	252.80447	239.52971	1.87089	0.0315821	0.28657000	2.2784993	21	12 6.2	18.9
98381 2000 TP_{37}	15.6	X	21.82634	302.13234	61.10968	4.95887	0.1879564	0.28856973	2.2679607	21	12 29.9	18.2
98382 2000 TP_{38}	15.8	X	188.15092	257.40852	86.80793	6.54034	0.1634091	0.30838982	2.1697150	21	2 6.7	18.9
98383 2000 TL_{39}	15.8	X	50.69429	341.71959	52.29015	7.72406	0.1671294	0.29466515	2.2365753	21	—	—
98384 2000 TG_{42}	16.1	X	176.35669	349.04075	115.01302	7.55589	0.0700249	0.27304635	2.3531257	21	7 2.1	19.4
98385 2000 TN_{52}	15.6	X	50.67373	130.81726	50.45381	3.78964	0.1124466	0.26476754	2.4019256	21	5 4.6	18.1
98386 2000 TR_{55}	15.2	X	16.48548	263.47042	75.32002	14.57827	0.1261625	0.23403593	2.6078405	21	11 1.2	18.4
98387 2000 TU_{55}	15.5	X	44.94450	47.90706	91.17346	10.20070	0.1753029	0.25444960	2.4664267	21	3 2.4	17.8
98388 2000 TM_{58}	15.7	X	151.55928	267.15072	122.64731	3.75678	0.0283018	0.25813945	2.4428669	21	2 18.2	18.7
98389 2000 TP_{58}	16.1	X	217.92797	326.33379	113.09504	3.30138	0.1390521	0.27152051	2.3619332	21	7 12.9	19.6
98390 2000 TC_{62}	15.9	X	289.62902	315.91729	101.51441	8.69684	0.1929308	0.27931716	2.3177734	21	9 12.7	18.3
98391 2000 TL_{62}	15.7	X	19.58454	302.77865	227.40000	4.25421	0.0501758	0.25918908	2.4362672	21	2 20.5	18.6
98392 2000 UC	16.0	X	287.26803	6.58999	357.38280	5.43022	0.2393388	0.27325449	2.3519307	21	6 6.1	19.0
98393 2000 UG_{2}	14.6	X	23.95294	339.19476	65.97907	14.95124	0.2379372	0.24023217	2.5628033	21	—	—
98394 2000 UH_{2}	15.6	X	225.16555	140.73507	187.88331	6.70954	0.1368527	0.26013622	2.4303501	21	2 24.8	19.5
98395 2000 UQ_{2}	14.3	X	351.75995	19.60762	65.39268	14.03516	0.1276147	0.24071538	2.5593725	21	—	—
98396 2000 US_{2}	15.2	X	306.73478	339.67235	30.55818	6.42305	0.1569415	0.27485539	2.3427892	21	8 5.6	17.5
98397 2000 UC_{3}	16.3	X	322.76601	213.34401	194.96320	2.56791	0.1638769	0.28191126	2.3035330	21	11 9.3	18.0
98398 2000 UE_{4}	15.5	X	229.10426	262.89703	39.38720	13.49056	0.2681530	0.25959755	2.4337109	21	1 31.6	20.1
98399 2000 UP_{4}	16.0	X	299.29778	271.50069	92.11805	3.77167	0.1868263	0.27439351	2.3454175	21	7 4.1	18.6
98400 2000 UR_{7}	15.3	X	240.92764	271.39376	72.90777	3.42032	0.1859142	0.26467606	2.4024790	21	3 31.8	19.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
98401 2000 UX_{7}	15.4	X	246.34657	182.25419	207.78822	5.86487	0.1218765	0.26996218	2.3710139	21	6 9.6	18.7
98402 2000 UE_{8}	16.4	X	281.57767	46.05203	12.36500	1.82876	0.1967880	0.27686261	2.3314522	21	8 26.0	18.7
98403 2000 UG_{8}	15.0	X	290.96462	236.26982	219.07853	5.64289	0.0736568	0.28304356	2.2973854	21	11 25.2	17.3
98404 2000 UT_{8}	15.6	X	22.46434	1.51050	35.88801	0.35857	0.2084836	0.24046673	2.5611365	21	—	—
98405 2000 UN_{9}	14.8	X	287.27150	33.69430	52.63734	15.14556	0.0844069	0.23257397	2.6187577	21	10 29.1	18.0
98406 2000 UC_{10}	15.5	X	306.26258	48.26303	45.29583	7.51860	0.0533423	0.28361528	2.2942970	21	12 17.7	18.0
98407 2000 UX_{10}	16.0	X	255.39440	95.47976	308.68463	5.41262	0.1063833	0.27270369	2.3550965	21	7 13.1	19.1
98408 2000 UD_{11}	15.6	X	213.81206	179.67729	180.47404	2.96742	0.2102453	0.26276653	2.4141042	21	3 25.8	19.7
98409 2000 UQ_{12}	16.8	X	194.54876	85.66910	31.09451	2.81980	0.1537710	0.27219575	2.3580255	21	8 8.0	20.3
98410 2000 UX_{12}	15.6	X	185.58892	123.97634	39.28755	4.35676	0.0916401	0.27769464	2.3267929	21	10 3.4	18.7
98411 2000 UT_{13}	15.5	X	335.39773	139.31161	258.45877	3.38052	0.1823576	0.28168119	2.3047871	21	11 21.4	17.2
98412 2000 UG_{15}	15.3	X	263.69330	16.54863	340.17118	2.38934	0.2274422	0.26846203	2.3798384	21	5 2.0	18.9
98413 2000 UO_{16}	15.0	X	285.78151	1.82384	2.31320	7.35279	0.1395439	0.27156654	2.3616663	21	6 21.8	18.0
98414 2000 UE_{18}	16.3	X	308.44987	23.36763	108.66730	5.15054	0.1363709	0.28961530	2.2624989	21	—	—
98415 2000 UH_{18}	16.0	X	342.48085	282.09337	114.67834	4.37815	0.1785097	0.28398484	2.2923061	21	12 7.3	17.7
98416 2000 US_{20}	15.4	X	35.01311	83.88873	124.04795	1.94741	0.1133840	0.26543272	2.3979111	21	5 16.9	17.6
98417 2000 UW_{21}	16.4	X	282.87161	297.94557	88.15936	3.37644	0.2139252	0.27472977	2.3435033	21	7 7.2	19.0
98418 2000 US_{22}	15.7	X	299.27400	339.06669	71.00447	7.37692	0.1196705	0.27881763	2.3205409	21	10 1.1	18.1
98419 2000 UV_{22}	15.7	X	206.48190	7.07612	80.85474	7.05468	0.1445263	0.27042613	2.3683013	21	7 12.4	19.3
98420 2000 UN_{24}	16.4	X	315.56061	227.35986	175.81010	4.72160	0.1476558	0.27991929	2.3144484	21	10 16.4	18.2
98421 2000 UD_{26}	16.1	X	276.92279	270.85703	107.91916	5.55592	0.1885097	0.27259152	2.3557425	21	6 22.5	19.1
98422 2000 UO_{26}	15.5	X	345.28638	203.35150	132.98318	5.63543	0.1821639	0.27693475	2.3310473	21	9 2.3	17.1
98423 2000 UU_{26}	15.7	X	170.05775	269.93400	76.37543	9.70093	0.3091885	0.25618988	2.4552444	21	2 10.9	20.1
98424 2000 UO_{28}	15.8	X	253.40302	158.97395	304.13644	5.83595	0.0631968	0.27773879	2.3265463	21	10 6.0	18.7
98425 2000 UM_{33}	16.3	X	38.71407	193.04198	341.72722	1.99060	0.1578415	0.26128597	2.4232152	21	4 4.7	18.5
98426 2000 UE_{34}	15.5	X	67.28978	295.48894	224.78743	5.94735	0.1082919	0.26260112	2.4151179	21	5 1.3	18.1
98427 2000 UA_{35}	16.1	X	214.63112	322.70173	228.70029	6.82114	0.0406568	0.28696783	2.2763930	21	12 21.9	19.0
98428 2000 UE_{35}	15.5	X	43.55165	127.69971	31.13573	9.98977	0.0451270	0.25954300	2.4340519	21	3 19.6	18.4
98429 2000 UL_{35}	15.8	X	210.83508	223.43382	197.45036	2.28027	0.1818098	0.26856587	2.3792249	21	6 8.8	19.5
98430 2000 UN_{35}	15.4	X	75.41961	282.58323	209.69192	6.22726	0.0568420	0.25995430	2.4314838	21	3 26.6	18.4
98431 2000 UA_{36}	15.6	X	28.69526	45.23015	26.75862	7.31420	0.1786087	0.24519431	2.5281090	21	—	—
98432 2000 UR_{36}	15.7	X	114.17739	145.33438	52.64337	2.37207	0.0789686	0.27361148	2.3498845	21	8 27.8	18.7
98433 2000 UP_{37}	15.7	X	266.81143	238.51312	214.40012	6.56422	0.0554649	0.27949209	2.3168062	21	10 15.4	18.2
98434 2000 UF_{39}	15.5	X	257.84161	225.15415	91.22814	2.17397	0.0937255	0.26274421	2.4142409	21	3 20.2	18.8
98435 2000 UE_{41}	15.9	X	264.28995	134.36255	279.00034	1.23032	0.1863618	0.27401093	2.3476001	21	7 25.2	18.7
98436 2000 UF_{42}	15.5	X	187.29156	331.41822	51.03951	7.72066	0.1325034	0.26096489	2.4252024	21	4 1.2	19.2
98437 2000 UP_{47}	16.0	X	258.60558	33.60990	29.87442	3.11274	0.1443727	0.27377128	2.3489699	21	8 9.1	19.0
98438 2000 UH_{49}	15.0	X	274.07678	190.27539	68.78253	7.86710	0.0968435	0.25476959	2.4643610	21	1 25.4	18.6
98439 2000 UD_{50}	15.8	X	241.07818	318.02769	85.12092	4.21024	0.0850135	0.26906423	2.3762862	21	6 25.4	18.7
98440 2000 UN_{50}	15.1	X	139.04363	15.23122	61.21807	13.30969	0.1093106	0.21106981	2.7937356	21	4 23.2	19.3
98441 2000 UW_{54}	14.0	X	218.16006	160.02221	73.23727	15.12141	0.0244666	0.24359280	2.5391777	21	—	—
98442 2000 UT_{55}	15.1	X	283.58987	344.72506	151.50532	4.60272	0.1744149	0.23670115	2.5882276	21	12 16.6	17.8
98443 2000 UZ_{56}	16.5	X	36.05945	136.31392	328.21073	8.68110	0.1216245	0.29961974	2.2118505	21	—	—
98444 2000 UM_{57}	15.8	X	355.30117	284.23868	324.19604	4.48137	0.1173882	0.26827693	2.3809329	21	4 28.4	18.1
98445 2000 UG_{59}	16.2	X	296.99240	14.44468	41.64920	3.36428	0.0428333	0.27933595	2.3176694	21	10 11.7	18.8
98446 2000 UM_{59}	15.5	X	58.47077	159.97043	351.85883	6.03289	0.0175925	0.26152092	2.4217637	21	3 24.7	18.5
98447 2000 UE_{60}	16.0	X	96.69183	55.93141	280.65537	3.01520	0.1454842	0.29289621	2.2455715	21	—	—
98448 2000 UN_{60}	16.1	X	161.62360	78.59200	233.84103	5.60237	0.1611689	0.29885659	2.2156143	21	—	—
98449 2000 UM_{61}	15.5	X	176.30439	118.15231	348.65347	5.74037	0.0781667	0.26971595	2.3724567	21	7 6.9	18.8
98450 2000 US_{62}	15.7	X	197.68673	152.73669	268.91833	5.57568	0.0876775	0.26724547	2.3870553	21	5 29.6	19.0
98451 2000 UT_{63}	15.6	X	18.45947	222.00802	7.58142	6.80342	0.0668031	0.26609191	2.3939492	21	5 14.4	18.3
98452 2000 UB_{65}	16.3	X	169.10823	158.75763	338.15354	5.19068	0.1333693	0.27235569	2.3571022	21	8 9.3	19.8
98453 2000 UL_{66}	15.7	X	55.06500	274.70075	258.52497	2.76586	0.1952624	0.26170133	2.4206505	21	5 12.5	17.9
98454 2000 US_{66}	15.5	X	41.45419	82.85879	337.44642	6.54653	0.0794538	0.29423267	2.2387664	21	—	—
98455 2000 UF_{68}	16.0	X	155.55006	240.47102	284.94985	5.96783	0.0580206	0.27661309	2.3328540	21	8 28.4	19.2
98456 2000 UD_{69}	15.7	X	348.59579	12.16659	3.18750	5.58934	0.1501617	0.28204699	2.3027939	21	11 9.8	17.7
98457 2000 UE_{69}	16.0	X	195.89306	53.05497	339.11532	3.83011	0.1384156	0.26360232	2.4089987	21	4 17.4	19.6
98458 2000 UP_{70}	16.1	X	14.01593	53.93056	276.67651	2.67294	0.1091908	0.27990553	2.3145242	21	10 14.9	18.4
98459 2000 UZ_{72}	14.6	X	215.46790	219.70677	21.81238	7.02588	0.1669959	0.24536448	2.5269399	21	—	—
98460 2000 UM_{73}	16.5	X	253.64699	24.51931	22.30820	2.30884	0.2119100	0.27271891	2.3550089	21	6 30.2	19.9
98461 2000 UQ_{76}	16.0	X	151.00528	137.75176	341.42457	2.01668	0.1544853	0.26815646	2.3816460	21	6 27.9	19.5
98462 2000 UB_{79}	15.5	X	322.80006	70.66756	38.65371	5.28974	0.0894242	0.23985359	2.5654993	21	—	—
98463 2000 UL_{81}	14.8	X	133.49345	191.97528	62.01512	24.44584	0.1276766	0.28129795	2.3068800	21	12 1.5	18.4
98464 2000 UP_{83}	15.5	X	50.71331	297.77351	273.82281	1.53844	0.1371891	0.26918485	2.3755762	21	6 23.9	17.9
98465 2000 UN_{84}	16.6	X	120.37595	245.28381	86.55260	1.90454	0.1448762	0.29515831	2.2340834	21	—	—
98466 2000 UF_{91}	16.5	X	69.00315	66.96705	280.98025	4.36088	0.0665960	0.29036995	2.2585772	21	—	—
98467 2000 UW_{91}	15.8	X	8.54950	194.12613	328.10848	4.42967	0.0764036	0.25511205	2.4621550	21	1 25.2	18.7
98468 2000 UM_{92}	15.0	X	198.86714	258.57947	265.20352	13.34803	0.0673015	0.23292744	2.6161077	21	10 9.1	19.1
98469 2000 UF_{93}	16.1	X	264.77508	318.50757	257.93814	5.36577	0.1089122	0.29702498	2.2247134	21	—	—
98470 2000 US_{94}	16.0	X	346.48705	91.16902	288.49529	4.72964	0.1041314	0.28177955	2.3042507	21	11 8.1	18.3
98471 2000 UW_{94}	15.7	X	188.81856	53.03518	323.38469	4.71860	0.1415149	0.26078531	2.4263157	21	3 21.5	19.5
98472 2000 UB_{95}	15.6	X	146.87095	142.86558	311.64339	4.93862	0.0827065	0.26364319	2.4087497	21	5 13.7	19.0
98473 2000 UD_{96}	15.2	X	312.30023	51.04549	328.00961	4.73698	0.2056582	0.27735362	2.3286997	21	8 20.7	17.0
98474 2000 UR_{97}	16.3	X	37.71117	70.81743	293.79557	4.59352	0.1757639	0.28712878	2.2755422	21	—	—
98475 2000 UF_{98}	15.8	X	194.91301	64.65825	293.82225	3.85947	0.0661923	0.25848531	2.4406873	21	3 2.7	19.3
98476 2000 UP_{98}	16.2	X	264.94064	81.29986	20.28824	6.92290	0.0624285	0.27973656	2.3154562	21	10 23.8	18.7
98477 2000 UR_{99}	15.4	X	285.59941	135.39311	254.94847	4.58251	0.1812317	0.27463571	2.3440383	21	7 22.0	18.1
98478 2000 UB_{100}	15.9	X	23.41775	307.26621	17.80764	6.20478	0.1290848	0.27965512	2.3159057	21	10 26.2	18.2
98479 2000 UM_{100}	15.2	X	3.79028	349.81272	283.45398	5.85580	0.1119642	0.26895147	2.3769503	21	6 27.2	17.2
98480 2000 UR_{100}	15.8	X	286.44231	147.79459	260.97220	6.20556	0.1008472	0.27576979	2.3376075	21	8 31.7	18.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
98481 2000 UX_{100}	14.8	X	30.48409	61.48179	36.37128	13.28731	0.1182393	0.24698591	2.5158685	21	—	—
98482 2000 UL_{101}	14.9	X	332.86419	287.66271	23.92371	6.76060	0.1113594	0.27028264	2.3691394	21	6 27.1	17.3
98483 2000 UJ_{102}	16.1	X	170.05896	194.19475	300.24521	4.23848	0.0904783	0.27069413	2.3667379	21	8 5.4	19.3
98484 2000 UK_{103}	15.5	X	230.61558	280.53602	330.32873	4.67604	0.0765005	0.29471580	2.2363191	21	—	—
98485 2000 US_{105}	15.6	X	346.71423	134.68770	119.25353	6.83913	0.0802450	0.26718356	2.3874240	21	4 30.9	18.3
98486 2000 UZ_{105}	16.1	X	351.43548	225.64385	130.97389	6.53160	0.1239525	0.28059102	2.3107531	21	10 19.9	18.3
98487 2000 UC_{106}	15.4	X	5.86413	339.64491	115.62901	7.60746	0.1636690	0.24498240	2.5295666	21	—	—
98488 2000 UM_{106}	15.8	X	186.57526	15.42691	77.53784	7.05649	0.1436650	0.26874711	2.3781551	21	6 28.3	19.4
98489 2000 UR_{106}	15.7	X	232.17212	34.69135	73.97721	10.20228	0.1499571	0.27599299	2.3363470	21	9 11.9	19.1
98490 2000 UJ_{108}	16.2	X	35.51526	265.70597	90.81871	7.43378	0.1440961	0.28646245	2.2790696	21	12 31.7	19.0
98491 2000 UA_{109}	16.1	X	241.17836	286.52728	130.68166	6.67231	0.0943367	0.27121856	2.3636860	21	7 13.9	19.3
98492 2000 UU_{109}	15.4	X	66.58559	288.64526	81.35311	16.10873	0.2123392	0.24330785	2.5411598	21	—	—
98493 2000 UY_{110}	16.5	X	76.95726	146.28031	350.24173	1.98277	0.1312754	0.25864414	2.4396880	21	4 16.0	19.0
98494 Marsupilami	16.1	X	238.24369	1.07603	54.58755	3.56862	0.1563920	0.27017183	2.3697871	21	7 1.5	19.5
98495 2000 VV_{2}	15.5	X	347.30385	317.62037	27.72076	4.77786	0.1869489	0.27778709	2.3262766	21	9 24.1	16.9
98496 2000 VT_{3}	15.5	X	96.84984	237.27135	211.48299	5.79383	0.0273477	0.21024940	2.8009985	21	3 1.1	19.3
98497 2000 VL_{5}	16.1	X	163.04447	222.36774	225.27191	2.01727	0.1144082	0.26535137	2.3984011	21	5 27.2	19.4
98498 2000 VS_{10}	15.8	X	158.49543	74.81851	66.34602	3.16031	0.1416641	0.26985238	2.3716570	21	8 4.3	19.3
98499 2000 VW_{11}	15.7	X	269.86721	59.03764	49.85806	16.04184	0.1279232	0.23339316	2.6126263	21	10 27.5	18.9
98500 2000 VL_{12}	15.5	X	281.28637	99.37439	66.54922	5.86254	0.1089351	0.29027766	2.2590559	21	—	—
98501 2000 VS_{12}	15.9	X	347.42248	277.66934	50.86743	6.63423	0.1423475	0.27616750	2.3353627	21	8 27.5	17.9
98502 2000 VD_{15}	16.2	X	2.12114	142.95910	207.35560	6.28915	0.1665629	0.28065471	2.3104035	21	11 2.4	18.0
98503 2000 VK_{15}	15.7	X	157.79283	275.00416	209.98538	6.03729	0.1804747	0.26656777	2.3910994	21	7 12.1	19.6
98504 2000 VY_{15}	15.7	X	198.94055	287.88279	119.95532	3.25405	0.1879116	0.26495027	2.4008211	21	5 12.9	19.6
98505 2000 VC_{16}	14.9	X	256.19774	70.46988	98.45681	6.13850	0.1070624	0.23887600	2.5724940	21	12 27.4	18.0
98506 2000 VR_{16}	14.6	X	70.44118	177.54762	71.30347	14.01510	0.1124336	0.22623217	2.6674716	21	9 18.6	18.5
98507 2000 VK_{18}	15.8	X	215.33333	292.65986	119.34819	3.43344	0.1919540	0.26710617	2.3878852	21	6 1.3	19.6
98508 2000 VV_{19}	15.7	X	19.28354	280.68989	263.30951	1.67611	0.1360170	0.25836393	2.4414517	21	3 9.2	17.9
98509 2000 VK_{20}	16.2	X	350.91290	33.99547	99.17933	2.57139	0.0686081	0.29583893	2.2306555	21	—	—
98510 2000 VR_{22}	15.4	X	227.94092	291.04979	13.69526	2.38654	0.0745378	0.25633032	2.4543475	21	2 1.8	18.9
98511 2000 VM_{23}	16.3	X	132.81520	198.96099	268.51584	1.10478	0.1606162	0.26220365	2.4175579	21	5 24.6	19.9
98512 2000 VR_{24}	15.3	X	190.32041	324.86255	236.09571	14.26241	0.0702736	0.23493674	2.6011701	21	11 21.3	19.1
98513 2000 VA_{25}	16.5	X	191.20719	255.57416	195.40328	0.68230	0.1542346	0.26751339	2.3854612	21	6 30.1	20.2
98514 2000 VA_{26}	15.8	X	116.76329	123.95481	41.65850	6.36275	0.0772592	0.26850464	2.3795866	21	7 16.3	19.0
98515 2000 VB_{26}	15.1	X	150.78633	18.30653	236.48202	10.51886	0.1399658	0.23900882	2.5715409	21	12 14.0	19.1
98516 2000 VW_{26}	16.5	X	253.58673	196.07832	273.12506	1.62407	0.1206114	0.27882559	2.3204967	21	10 8.2	19.3
98517 2000 VQ_{27}	15.8	X	328.71263	295.28561	91.55186	4.30572	0.1723652	0.23140397	2.6275773	21	10 8.9	18.2
98518 2000 VX_{27}	15.9	X	22.52129	286.89254	181.13797	4.76202	0.0999374	0.29483961	2.2356930	21	—	—
98519 2000 VJ_{28}	15.5	X	195.48889	74.40397	82.12013	8.01848	0.1585069	0.27484825	2.3428298	21	10 3.5	19.1
98520 2000 VC_{29}	15.9	X	28.68008	249.03843	106.91109	4.97706	0.2124229	0.28430029	2.2906101	21	12 31.9	18.7
98521 2000 VP_{29}	14.7	X	291.79791	348.23639	79.23373	15.96698	0.1066174	0.22976752	2.6400387	21	10 13.1	18.2
98522 2000 VZ_{29}	14.8	X	280.52716	30.20419	69.57137	24.84245	0.1838911	0.27902475	2.3193924	21	11 6.7	17.4
98523 2000 VO_{30}	15.4	X	223.43805	279.30675	88.14896	7.17842	0.1074329	0.26254328	2.4154726	21	4 19.1	19.0
98524 2000 VT_{30}	15.6	X	350.19781	331.44681	97.12255	6.17845	0.0976100	0.28573102	2.2829573	21	—	—
98525 2000 VF_{31}	15.6	X	228.75188	315.48996	52.75655	3.02843	0.2168188	0.26485262	2.4014112	21	4 17.5	19.4
98526 2000 VG_{31}	16.1	X	160.50281	249.45365	200.64165	1.64479	0.1782487	0.26317159	2.4116265	21	5 31.3	19.9
98527 2000 VN_{32}	15.1	X	1.97601	334.95631	67.22595	8.77097	0.1100038	0.28474864	2.2882051	21	—	—
98528 2000 VU_{32}	16.0	X	111.62335	349.12022	121.50107	2.08346	0.1505772	0.25841569	2.4411256	21	5 4.0	19.3
98529 2000 VY_{33}	15.7	X	251.79196	80.84072	71.83845	7.75792	0.0999926	0.28236244	2.3010785	21	12 10.4	18.3
98530 2000 VR_{34}	15.6	X	229.34370	316.55023	92.28063	3.52399	0.1639248	0.26772913	2.3841796	21	6 12.0	19.2
98531 2000 VK_{38}	16.0	X	204.11129	356.95628	41.86047	5.02192	0.1993909	0.26414060	2.4057248	21	5 4.7	20.0
98532 2000 VM_{42}	15.5	X	181.85116	65.68933	246.59556	6.46801	0.1389968	0.25262689	2.4782760	21	—	—
98533 2000 VQ_{42}	15.8	X	320.99050	91.96927	27.48955	5.21317	0.0727723	0.24245253	2.5471327	21	—	—
98534 2000 VC_{46}	15.0	X	227.12193	248.54298	25.55376	13.70380	0.2350372	0.25413112	2.4684868	21	—	—
98535 2000 VM_{46}	15.7	X	112.11584	338.05499	11.09676	6.11512	0.1668990	0.29444583	2.2376858	21	—	—
98536 2000 VN_{46}	16.0	X	130.18984	112.71212	332.68593	4.58692	0.0978650	0.25897397	2.4376161	21	4 12.6	19.4
98537 2000 VC_{47}	15.1	X	232.37797	80.96516	270.39992	10.47722	0.1363768	0.26219068	2.4176377	21	3 28.3	19.0
98538 2000 VQ_{48}	15.6	X	94.77802	18.35222	321.81024	1.86188	0.1626039	0.24289997	2.5440038	21	—	—
98539 2000 VS_{48}	16.0	X	254.09539	157.76581	259.04361	1.77112	0.1437147	0.27194046	2.3595010	21	7 23.0	19.2
98540 2000 VW_{48}	16.5	X	182.99065	329.98899	140.34482	2.79331	0.1391342	0.27017966	2.3697414	21	7 17.7	20.0
98541 2000 VO_{49}	15.4	X	145.35726	24.03792	52.51192	7.03045	0.1080008	0.25944020	2.4346949	21	4 23.5	18.8
98542 2000 VA_{51}	16.1	X	193.16087	195.41306	306.96205	4.97945	0.0816354	0.27569514	2.3380294	21	9 11.0	19.4
98543 2000 VQ_{51}	16.6	X	8.06337	42.39159	339.37015	5.19839	0.0186457	0.28438785	2.2901400	21	12 7.4	19.4
98544 2000 VB_{55}	15.6	X	85.61047	116.09471	355.34577	2.19348	0.1613706	0.25578278	2.4578489	21	3 30.5	18.3
98545 2000 VE_{55}	16.0	X	203.02403	171.40184	281.25742	2.19971	0.1881618	0.26894539	2.3769861	21	7 12.6	19.8
98546 2000 VO_{55}	15.8	X	94.21610	348.28324	340.41475	4.33875	0.2106163	0.29047129	2.2580518	21	—	—
98547 2000 VE_{56}	16.0	X	175.70542	166.41680	272.12771	4.08492	0.1643195	0.26412245	2.4058350	21	5 29.7	19.7
98548 2000 VR_{56}	15.9	X	271.69194	135.49025	273.57581	6.18762	0.0906595	0.27335617	2.3513474	21	8 11.9	18.8
98549 2000 VY_{56}	16.5	X	223.71522	140.84532	314.97379	1.79053	0.1735658	0.27151097	2.3619886	21	8 7.3	19.9
98550 2000 VR_{60}	14.9	X	309.10534	55.69967	67.66225	8.86653	0.1132770	0.23840294	2.5758959	21	—	—
98551 2000 WK_{1}	15.4	X	143.28137	29.63138	281.01892	4.27815	0.1249575	0.24352460	2.5396517	21	—	—
98552 2000 WL_{5}	15.1	X	325.28642	205.69868	306.74305	6.58862	0.1980454	0.24351416	2.5397243	21	—	—
98553 2000 WO_{6}	16.3	X	254.13506	226.89608	66.15837	4.02586	0.2188626	0.30703480	2.1760940	21	1 31.7	19.8
98554 2000 WP_{6}	16.2	X	275.65014	276.49059	75.80196	4.04306	0.3429316	0.27463128	2.3440635	21	4 27.4	19.8
98555 2000 WD_{7}	14.9	X	125.39577	145.01689	47.17593	12.85043	0.0903486	0.22056688	2.7129545	21	9 5.9	19.1
98556 2000 WQ_{7}	16.1	X	238.26857	334.88476	125.86573	6.43905	0.0475738	0.27577109	2.3376001	21	9 19.9	19.0
98557 2000 WT_{7}	16.2	X	264.64166	325.95460	130.23695	6.04789	0.0937441	0.27834375	2.3231740	21	10 14.3	18.9
98558 2000 WB_{10}	16.0	X	108.53125	83.22321	13.24725	2.54344	0.1768693	0.25688522	2.4508119	21	4 13.7	19.2
98559 2000 WB_{11}	15.5	X	0.70191	170.65048	166.70626	7.43189	0.1991531	0.27920606	2.3183882	21	10 15.7	17.2
98560 2000 WH_{11}	15.0	X	226.18849	40.28106	76.22703	13.89836	0.1320532	0.22293298	2.6937244	21	9 15.6	19.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
98561 2000 WA_{14}	15.2	X	245.23220	125.35610	48.69031	7.70070	0.0520844	0.23847210	2.5753979	21	12 27.0	18.6
98562 2000 WJ_{14}	15.3	X	263.35719	151.56948	45.45697	6.30805	0.0904614	0.24240921	2.5474362	21	—	—
98563 2000 WX_{16}	15.3	X	251.16819	80.66847	56.12254	3.83798	0.0757051	0.23308119	2.6149571	21	11 12.3	18.5
98564 2000 WW_{17}	15.4	X	305.46243	270.76048	230.10809	7.35896	0.1090572	0.24007779	2.5639019	21	—	—
98565 2000 WX_{17}	16.5	X	246.07177	199.00037	178.09323	2.11025	0.2269652	0.26765506	2.3846194	21	5 13.1	20.3
98566 2000 WC_{19}	15.8	X	108.34794	74.75697	74.52502	5.73383	0.1570469	0.26133995	2.4228815	21	6 21.9	19.1
98567 2000 WG_{19}	15.3	X	161.00484	252.63918	159.57505	7.21153	0.2202622	0.25991277	2.4317428	21	4 17.8	19.3
98568 2000 WZ_{19}	15.5	X	275.36425	111.89097	248.82519	6.05382	0.2345850	0.26980153	2.3719550	21	5 19.5	18.7
98569 2000 WY_{20}	16.1	X	79.41033	143.56378	91.74407	7.64470	0.0606318	0.27257063	2.3558629	21	9 3.3	19.1
98570 2000 WR_{23}	15.9	X	339.44194	234.13496	133.68149	6.94518	0.1220560	0.27806718	2.3247142	21	10 12.9	18.1
98571 2000 WC_{25}	14.6	X	354.71219	230.97483	247.74661	11.66287	0.1896908	0.23927904	2.5696045	21	—	—
98572 2000 WJ_{30}	16.0	X	329.64174	304.48093	345.47995	1.84520	0.1596791	0.26996768	2.3709817	21	5 9.6	18.2
98573 2000 WQ_{31}	15.8	X	192.30866	22.32347	119.65386	5.15168	0.1215053	0.27279809	2.3545531	21	9 10.8	19.3
98574 2000 WJ_{32}	15.4	X	337.18782	10.67774	87.49248	14.64296	0.1132111	0.23972214	2.5664371	21	—	—
98575 2000 WQ_{35}	15.5	X	310.06457	356.67608	139.80545	6.30453	0.2045333	0.23847331	2.5753892	21	—	—
98576 2000 WA_{38}	16.4	X	339.74549	286.87656	105.27826	6.59342	0.0979771	0.28064353	2.3104648	21	11 17.8	18.7
98577 2000 WF_{39}	14.7	X	127.52077	146.54768	95.88172	16.19506	0.0734548	0.23026754	2.6362155	21	11 9.9	18.8
98578 2000 WH_{39}	15.8	X	233.52127	175.00650	179.85241	5.86023	0.1521516	0.26182529	2.4198865	21	4 8.4	19.4
98579 2000 WN_{40}	16.1	X	258.71156	300.44638	125.27436	6.63071	0.0835989	0.27167424	2.3610421	21	8 21.8	19.0
98580 2000 WV_{40}	15.8	X	152.12706	322.98709	111.94824	8.31158	0.1236203	0.25892927	2.4378966	21	5 2.8	19.5
98581 2000 WH_{41}	14.3	X	282.08375	331.70841	116.27314	15.55124	0.2069738	0.22850083	2.6497864	21	10 8.7	17.8
98582 2000 WX_{41}	15.7	X	186.00996	29.56351	65.52440	2.43520	0.1507058	0.26217424	2.4177388	21	6 30.7	19.4
98583 2000 WX_{43}	16.1	X	22.80737	243.61524	139.18546	3.64032	0.1962327	0.28587047	2.2822148	21	—	—
98584 2000 WF_{44}	16.9	X	289.28938	286.90573	133.94571	1.70989	0.1021156	0.27809002	2.3245869	21	9 28.3	19.2
98585 2000 WH_{44}	14.9	X	169.19239	72.95521	91.47323	13.41681	0.0982622	0.22423338	2.6832998	21	9 17.8	19.2
98586 2000 WX_{44}	14.8	X	220.56554	169.38907	65.02508	11.51208	0.1672973	0.24386488	2.5372887	21	—	—
98587 2000 WD_{50}	15.8	X	354.46783	228.94883	99.76555	3.43532	0.2116062	0.23014905	2.6371202	21	9 7.1	17.9
98588 2000 WK_{50}	15.7	X	205.63943	305.71296	125.27274	11.10394	0.1130237	0.26670845	2.3902585	21	6 20.5	19.3
98589 2000 WM_{54}	14.3	X	99.67378	111.40469	289.21016	14.49800	0.1219244	0.24559086	2.5253869	21	1 9.9	17.2
98590 2000 WW_{54}	15.2	X	184.21029	92.06881	357.53852	2.94482	0.1946122	0.26248613	2.4158232	21	6 21.5	19.2
98591 2000 WB_{55}	14.8	X	218.96879	127.72647	329.36324	5.69126	0.0963304	0.26686311	2.3893349	21	8 11.5	18.1
98592 2000 WG_{55}	15.2	X	323.02198	24.09174	76.49678	3.76348	0.1925638	0.23387478	2.6090383	21	—	—
98593 2000 WM_{55}	15.0	X	19.97680	15.69370	94.82286	14.19974	0.1157262	0.24169837	2.5524284	21	—	—
98594 2000 WA_{56}	15.1	X	55.52653	92.15635	342.46702	5.20212	0.2225952	0.24356419	2.5393765	21	—	—
98595 2000 WO_{57}	15.8	X	250.98419	307.45399	97.54151	3.35927	0.2059741	0.27022388	2.3694828	21	6 25.4	19.0
98596 2000 WN_{58}	15.9	X	159.85199	339.17730	89.70257	7.34997	0.0876197	0.25931872	2.4354551	21	4 29.7	19.4
98597 2000 WD_{59}	15.6	X	31.32601	8.44863	105.04347	2.81546	0.1035204	0.24671398	2.5177168	21	—	—
98598 2000 WW_{59}	15.4	X	264.13112	245.91802	260.96435	11.55025	0.1557028	0.23267062	2.6180324	21	11 30.8	18.7
98599 2000 WU_{60}	14.9	X	28.78877	226.25261	116.24593	7.48274	0.1461620	0.27908017	2.3190854	21	12 3.4	17.6
98600 2000 WZ_{65}	14.4	X	162.86336	92.68446	92.17408	22.21620	0.2532240	0.27768634	2.3268392	21	10 15.3	18.9
98601 2000 WG_{66}	14.6	X	122.02314	211.79947	49.01259	29.36124	0.0399950	0.23465831	2.6032273	21	11 17.0	18.3
98602 2000 WK_{69}	15.6	X	61.14518	29.95667	307.52163	6.49397	0.1378074	0.28751010	2.2735298	21	—	—
98603 2000 WU_{69}	15.6	X	173.70987	260.80425	310.89013	6.21406	0.0794256	0.28361302	2.2943092	21	11 21.6	18.9
98604 2000 WK_{70}	15.6	X	69.35638	186.45432	326.08957	6.06791	0.0849250	0.26066640	2.4270535	21	4 17.0	18.4
98605 2000 WW_{70}	15.9	X	238.70349	161.66811	346.46335	7.07026	0.0472238	0.28293341	2.2979817	21	11 21.8	18.9
98606 2000 WV_{71}	15.7	X	50.53414	282.64130	302.34977	5.91723	0.0600153	0.26828314	2.3808962	21	7 2.7	18.4
98607 2000 WX_{72}	15.9	X	224.55651	196.19267	2.36119	5.66473	0.0468295	0.28799960	2.2709529	21	—	—
98608 2000 WL_{75}	16.7	X	353.65329	67.39008	330.64192	3.82563	0.0915264	0.28392512	2.2926275	21	12 18.4	19.1
98609 2000 WN_{75}	16.2	X	210.05082	151.84281	24.93379	7.42210	0.0383755	0.28236371	2.3010716	21	11 24.1	19.1
98610 2000 WP_{76}	15.9	X	67.51545	230.48728	35.31826	6.95850	0.1142971	0.27642304	2.3339232	21	10 6.7	18.7
98611 2000 WY_{77}	16.2	X	106.45696	1.84418	318.78175	3.47219	0.1847527	0.29056912	2.2575449	21	—	—
98612 2000 WG_{78}	15.5	X	253.79551	171.65812	14.23303	2.51608	0.0882901	0.24078645	2.5588688	21	—	—
98613 2000 WX_{78}	15.4	X	167.93612	229.23671	33.41267	6.91501	0.1587676	0.28908384	2.2652711	21	—	—
98614 2000 WZ_{78}	15.4	X	313.20893	159.68057	356.55460	3.54349	0.2287148	0.24189516	2.5510439	21	—	—
98615 2000 WZ_{80}	15.1	X	240.24531	279.33007	270.29742	7.52419	0.0830533	0.23882925	2.5728297	21	—	—
98616 2000 WH_{81}	15.7	X	319.92811	87.83427	350.04377	2.74261	0.1656257	0.23520636	2.5991819	21	12 3.5	18.0
98617 2000 WQ_{81}	15.2	X	98.12555	33.47463	311.28429	2.95590	0.0815110	0.24258309	2.5462187	21	—	—
98618 2000 WZ_{81}	16.0	X	350.40140	78.68829	261.84402	5.15538	0.1575841	0.27656755	2.3331101	21	9 15.9	17.9
98619 2000 WG_{82}	15.6	X	163.90636	88.50606	270.12989	5.42415	0.0860259	0.25293969	2.4762324	21	1 29.5	19.0
98620 2000 WU_{85}	16.3	X	296.18253	56.30264	326.77059	1.54718	0.2182791	0.27433118	2.3457727	21	7 23.2	18.8
98621 2000 WN_{88}	14.7	X	242.74743	348.24474	21.98207	6.34654	0.1190610	0.30837721	2.1697741	21	5 5.4	17.7
98622 2000 WJ_{89}	15.8	X	216.50626	79.18497	327.67680	0.57296	0.1843993	0.26654490	2.3912361	21	5 26.4	19.4
98623 2000 WK_{90}	14.5	X	61.63831	224.20886	67.86265	13.26094	0.1801013	0.23122164	2.6289585	21	11 7.7	18.2
98624 2000 WD_{93}	15.1	X	321.06772	76.63055	71.70796	6.08660	0.2178434	0.24118421	2.5560546	21	—	—
98625 2000 WO_{93}	16.2	X	0.85626	145.99584	330.01623	1.08008	0.1059457	0.24411423	2.5355605	21	—	—
98626 2000 WP_{98}	15.2	X	11.25948	153.42916	253.68232	1.31647	0.1426253	0.23676169	2.5877864	21	—	—
98627 2000 WQ_{98}	15.1	X	297.00279	82.27037	84.41305	11.98076	0.1222821	0.23932870	2.5692490	21	—	—
98628 2000 WF_{99}	15.5	X	259.86860	21.75501	75.72955	9.51304	0.0699442	0.22860154	2.6490081	21	10 8.5	19.1
98629 2000 WO_{99}	15.1	X	35.78335	32.46815	358.38230	2.07614	0.1334466	0.19136176	2.9824004	21	—	—
98630 2000 WW_{99}	15.5	X	20.09382	167.76681	249.81311	2.05821	0.2227306	0.24035719	2.5619145	21	—	—
98631 2000 WT_{100}	16.2	X	197.86065	189.35224	306.05916	1.26179	0.0719566	0.22449897	2.6811831	21	9 5.6	20.0
98632 2000 WQ_{103}	15.9	X	318.35883	238.65156	96.79410	8.08635	0.1373046	0.27197200	2.3593186	21	7 3.4	18.3
98633 2000 WG_{108}	15.9	X	165.60108	4.77011	108.91338	7.45963	0.0527198	0.26749259	2.3855849	21	7 1.9	19.1
98634 2000 WF_{113}	15.2	X	253.16222	123.14978	36.43004	5.19251	0.1768646	0.23424311	2.6063026	21	11 28.6	18.6
98635 2000 WA_{114}	15.3	X	14.16634	154.37238	309.33867	2.76089	0.1251626	0.24444146	2.5332971	21	—	—
98636 2000 WR_{114}	15.0	X	222.29908	128.44212	43.25821	5.13539	0.0346698	0.23334208	2.6130076	21	11 25.7	18.5
98637 2000 WP_{115}	15.9	X	245.19447	102.16715	297.54749	5.20921	0.0989030	0.26792623	2.3830102	21	6 24.3	19.2
98638 2000 WJ_{118}	15.8	X	276.78200	353.00141	15.43902	4.20927	0.1830195	0.26816329	2.3816055	21	6 7.9	18.9
98639 2000 WR_{118}	15.5	X	53.13436	92.87902	67.08073	7.09374	0.0933640	0.25405864	2.4689563	21	4 9.7	18.2
98640 2000 WE_{121}	15.8	X	358.83881	183.65358	284.79408	3.95068	0.0839462	0.24290020	2.5440021	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
98641 2000 WW_{122}	15.0	X	172.73985	307.80026	54.52372	1.61777	0.1909831	0.25366606	2.4715030	21	2 22.9	19.0
98642 2000 WX_{123}	15.9	X	213.50711	63.17091	77.70797	2.98669	0.1422175	0.22530827	2.6747588	21	9 25.9	19.9
98643 2000 WR_{125}	15.7	X	81.22885	116.84678	222.59275	1.65148	0.2005301	0.24177817	2.5518667	21	—	—
98644 2000 WA_{126}	15.7	X	173.84881	244.52400	324.46467	6.42141	0.0901358	0.28220417	2.3019387	21	11 16.7	19.0
98645 2000 WF_{129}	15.3	X	135.83843	308.80357	251.48381	4.05478	0.1470228	0.27507856	2.3415219	21	9 25.7	18.9
98646 2000 WH_{134}	16.0	X	90.67381	247.39952	344.86344	6.74715	0.0699045	0.27442994	2.3452099	21	9 11.7	19.0
98647 2000 WK_{134}	14.8	X	266.68603	36.85617	60.53094	10.60087	0.0953603	0.22566356	2.6719506	21	10 12.9	18.4
98648 2000 WG_{135}	15.7	X	274.79836	44.96140	41.37305	12.23172	0.1688584	0.22729296	2.6591656	21	9 28.9	19.1
98649 2000 WO_{138}	15.8	X	339.32895	113.74200	29.43312	2.47861	0.0818859	0.24612048	2.5217627	21	—	—
98650 2000 WM_{140}	15.5	X	275.58113	238.42950	53.42793	6.89713	0.1186182	0.25994828	2.4315213	21	3 8.7	19.0
98651 2000 WS_{143}	15.4	X	345.95768	85.45133	87.76423	6.05358	0.2032075	0.24324746	2.5415804	21	—	—
98652 2000 WW_{143}	15.1	X	299.47248	90.00471	72.33476	6.32971	0.2149940	0.23555652	2.5966054	21	—	—
98653 2000 WC_{144}	14.7	X	192.96745	63.31744	125.22654	4.11828	0.2201455	0.22974857	2.6401839	21	10 30.2	19.1
98654 2000 WB_{146}	16.2	X	34.04391	229.44072	112.38734	8.46564	0.1389580	0.28503039	2.2866969	21	12 9.7	19.0
98655 2000 WX_{146}	15.1	X	309.49185	28.10629	106.89576	12.78694	0.1977697	0.24036245	2.5618771	21	—	—
98656 2000 WY_{148}	15.1	X	86.81317	155.72572	130.24332	14.01040	0.0601074	0.23386234	2.6091309	21	11 16.4	19.0
98657 2000 WB_{149}	15.1	X	55.95859	228.48381	145.65825	14.13146	0.1376048	0.24187750	2.5511680	21	—	—
98658 2000 WT_{153}	14.9	X	171.80810	63.67582	65.66919	9.42204	0.1009221	0.21570128	2.7536003	21	8 1.9	19.2
98659 2000 WU_{154}	15.8	X	65.43250	29.27078	329.62141	6.46652	0.1491618	0.28948499	2.2631778	21	—	—
98660 2000 WD_{155}	15.5	X	177.85146	259.57815	319.58956	6.71647	0.0474144	0.28472878	2.2883115	21	12 10.4	18.6
98661 2000 WG_{155}	14.8	X	238.65872	6.34006	279.98513	9.85074	0.2230080	0.25669492	2.4520229	21	1 15.6	19.1
98662 2000 WN_{155}	15.8	X	255.22128	132.09680	305.40080	6.63199	0.0840492	0.27481275	2.3430315	21	8 30.5	18.8
98663 2000 WO_{156}	15.9	X	224.40849	238.50518	313.21483	6.48553	0.0443107	0.28576301	2.2827869	21	—	—
98664 2000 WR_{158}	15.3	X	201.45779	244.19195	139.58884	8.45123	0.1084910	0.26146093	2.4221341	21	4 17.3	19.0
98665 2000 WH_{159}	14.7	X	102.68629	250.89898	274.18782	23.94858	0.1367896	0.26390446	2.4071597	21	7 2.9	18.0
98666 2000 WC_{161}	15.5	X	326.41845	292.88165	199.71977	11.38682	0.0970083	0.24238671	2.5475938	21	—	—
98667 2000 WE_{163}	15.5	X	108.94311	100.57151	349.52012	6.71281	0.1548061	0.25198971	2.4824519	21	4 1.4	18.7
98668 2000 WY_{163}	16.4	X	299.50915	263.14623	254.87177	1.06430	0.2079738	0.24069079	2.5595468	21	—	—
98669 2000 WR_{164}	15.8	X	173.45971	41.89806	93.72506	11.81550	0.1536757	0.27090958	2.3654829	21	8 13.8	19.6
98670 2000 WC_{165}	15.6	X	195.35718	274.90067	110.44240	12.06458	0.2705137	0.26234444	2.4166929	21	4 16.9	20.1
98671 2000 WK_{165}	15.2	X	261.13347	336.47805	181.70634	13.37069	0.1000399	0.23813578	2.5778221	21	12 21.2	18.7
98672 2000 WL_{167}	15.6	X	172.22933	120.54320	124.32950	5.05672	0.1783569	0.28747712	2.2737037	21	12 27.6	19.1
98673 2000 WU_{167}	14.7	X	193.39798	344.44761	198.36355	10.14973	0.0773108	0.18516618	3.0485614	21	10 26.8	19.2
98674 2000 WQ_{168}	15.7	X	333.84308	291.11715	157.50005	4.73263	0.2249873	0.23527583	2.5986702	21	—	—
98675 2000 WV_{168}	15.0	X	205.02788	313.88284	127.87812	10.09830	0.1509347	0.21603262	2.7507840	21	7 2.0	19.5
98676 2000 WQ_{169}	15.6	X	40.28319	282.52879	155.28664	11.43728	0.1067110	0.24563707	2.5250701	21	—	—
98677 2000 WC_{173}	14.3	X	273.98435	330.61822	100.29072	15.69780	0.0395599	0.22287909	2.6941586	21	9 29.6	18.2
98678 2000 WF_{173}	14.7	X	137.85233	48.99452	87.17479	8.20115	0.1071330	0.21204280	2.7851827	21	7 3.2	18.9
98679 2000 WT_{176}	15.7	X	318.36096	236.51573	103.94978	3.59157	0.2157104	0.22631691	2.6668057	21	6 28.7	18.4
98680 2000 WE_{178}	16.2	X	218.60742	327.86863	68.83154	2.32302	0.1724437	0.26365720	2.4086644	21	5 16.2	19.8
98681 2000 WQ_{178}	15.6	X	218.79979	63.50254	80.25376	3.05379	0.1499581	0.27427330	2.3461027	21	10 9.2	18.9
98682 2000 WR_{180}	14.2	X	28.73511	86.64196	73.37321	21.93582	0.2450362	0.25659831	2.4526384	21	3 5.6	16.6
98683 2000 WY_{180}	15.8	X	213.65339	297.69544	279.83694	5.97440	0.0620207	0.28804076	2.2707365	21	—	—
98684 2000 WD_{187}	14.5	X	18.20867	178.38390	88.45731	10.11911	0.2696924	0.22372135	2.6873924	21	8 3.9	16.7
98685 2000 WM_{192}	16.0	X	175.16861	37.47790	29.53670	3.10539	0.1705932	0.26015820	2.4302132	21	5 14.3	19.9
98686 2000 XV_{2}	15.7	X	135.64644	114.52908	343.48016	11.08840	0.0646696	0.26229897	2.4169722	21	4 29.0	19.1
98687 2000 XH_{3}	15.4	X	324.55044	33.86304	300.79824	9.61040	0.2357461	0.27462497	2.3440995	21	6 29.2	17.2
98688 2000 XG_{8}	14.7	X	86.44794	25.50655	346.49012	6.32789	0.2406707	0.24412584	2.5354802	21	—	—
98689 2000 XV_{9}	14.9	X	43.29037	50.03616	43.42838	13.65948	0.1340200	0.24320286	2.5418910	21	—	—
98690 2000 XD_{10}	14.8	X	5.76298	14.44436	39.89110	10.09708	0.0676525	0.23497933	2.6008558	21	—	—
98691 2000 XL_{14}	15.1	X	11.35750	62.19813	294.90140	7.08584	0.0951516	0.27981386	2.3150297	21	11 15.8	17.7
98692 2000 XS_{14}	15.2	X	327.83622	9.61864	130.20698	24.24233	0.1989976	0.28963067	2.2624189	21	—	—
98693 2000 XO_{16}	16.2	X	319.72767	0.53871	332.24734	6.99709	0.1295639	0.27158032	2.3615865	21	7 4.1	18.7
98694 2000 XD_{21}	16.0	X	250.15393	153.85575	323.50325	6.29091	0.0447929	0.27840115	2.3228546	21	10 24.7	18.9
98695 2000 XX_{23}	15.1	X	271.41271	246.77670	315.81270	6.70780	0.1227454	0.24282615	2.5445193	21	—	—
98696 2000 XY_{23}	16.0	X	332.51398	63.24793	328.34243	6.44606	0.1360589	0.27915481	2.3186719	21	10 29.6	18.2
98697 2000 XQ_{27}	15.4	X	115.84854	66.18146	311.41544	12.87765	0.0848447	0.24672316	2.5176544	21	—	—
98698 2000 XQ_{28}	15.6	X	229.13077	325.45870	31.78746	10.00829	0.2406973	0.26124061	2.4234957	21	4 4.8	19.8
98699 2000 XW_{28}	14.3	X	123.76258	247.49891	65.61783	13.87896	0.1985049	0.23944537	2.5684143	21	—	—
98700 2000 XQ_{30}	15.4	X	212.64780	148.34157	291.88648	12.69079	0.1281142	0.26812171	2.3818517	21	7 9.4	18.8
98701 2000 XS_{30}	15.7	X	178.32665	239.40954	330.51047	5.97560	0.0501061	0.28047244	2.3114043	21	11 26.6	18.8
98702 2000 XX_{31}	15.2	X	308.61736	56.34548	20.01378	12.18231	0.0149377	0.23181054	2.6245041	21	11 15.3	18.7
98703 2000 XE_{33}	14.2	X	199.51277	246.72101	309.03791	15.02976	0.1995088	0.18137478	3.0908987	21	11 2.0	19.6
98704 2000 XJ_{34}	14.4	X	107.88697	238.06001	331.93471	12.37711	0.0902333	0.21838726	2.7309758	21	8 31.6	18.4
98705 2000 XT_{35}	15.6	X	254.40515	346.57024	354.11759	7.00753	0.1337331	0.26323241	2.4112550	21	4 10.1	19.1
98706 2000 XY_{36}	15.2	X	23.96609	294.22868	343.84513	9.35985	0.1667336	0.27172478	2.3607494	21	8 23.5	17.3
98707 2000 XL_{37}	14.5	X	258.14937	183.42549	346.53140	14.10166	0.0965056	0.23456189	2.6039406	21	—	—
98708 2000 XO_{38}	14.1	X	142.14998	256.69641	358.15479	26.77803	0.0652166	0.22745128	2.6579316	21	11 25.2	18.6
98709 2000 XQ_{38}	14.0	X	60.68656	307.50330	74.42585	25.43230	0.2465941	0.23699219	2.5861082	21	—	—
98710 2000 XZ_{38}	15.2	X	242.12922	140.91630	47.03426	27.60703	0.0516739	0.23781422	2.5801454	21	—	—
98711 2000 XH_{42}	14.9	X	211.14816	140.17498	331.67219	14.20131	0.0318689	0.22317830	2.6917501	21	8 25.3	18.4
98712 2000 XT_{42}	14.6	X	71.67930	20.87915	354.70958	12.82419	0.1913983	0.24209607	2.5496323	21	—	—
98713 2000 XH_{43}	14.8	X	53.50750	351.46502	31.65673	15.54979	0.1660941	0.23943306	2.5685023	21	—	—
98714 2000 XU_{47}	15.7	X	192.57593	273.39403	342.68465	6.63514	0.0913281	0.29015009	2.2597180	21	—	—
98715 2000 XH_{48}	13.9	X	169.32709	95.51124	16.83125	13.15887	0.1014592	0.16908997	3.2388498	21	7 7.6	19.1
98716 2000 XH_{49}	15.3	X	125.97087	134.62298	359.34805	8.41037	0.1232575	0.25910012	2.4368248	21	6 17.5	18.9
98717 2000 XL_{49}	14.9	X	9.79210	89.12358	87.03193	14.81833	0.1399612	0.24579164	2.5240114	21	2 16.6	17.8
98718 2000 XX_{49}	15.0	X	356.20670	51.56499	74.95829	13.19600	0.2370689	0.23853683	2.5749319	21	—	—
98719 2000 XT_{52}	14.6	X	291.18724	81.26939	341.83460	9.20622	0.0850137	0.17959554	3.1112794	21	9 21.6	18.8
98720 2000 XC_{54}	14.8	X	12.81290	97.43141	348.18003	14.47575	0.0586351	0.24014706	2.5634087	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
98721 2000 YV_{5}	15.0	X	200.27141	311.22993	46.75590	6.97670	0.1514480	0.25603417	2.4562398	21	3 15.1	18.9
98722 Elenaumberto	15.2	X	44.88557	93.81188	278.34837	12.04356	0.1936614	0.23725270	2.5842148	21	—	—
98723 2000 YY_{11}	15.3	X	227.06991	3.75718	126.61463	13.78737	0.1132262	0.22538916	2.6741188	21	10 4.5	19.4
98724 2000 YF_{14}	15.4	X	359.10514	254.82284	116.28108	5.73434	0.1611832	0.23017353	2.6369332	21	11 16.0	18.1
98725 2000 YP_{14}	15.5	X	57.16520	74.69049	346.22198	3.22667	0.0947066	0.24273588	2.5451501	21	—	—
98726 2000 YW_{15}	15.8	X	170.13307	51.81810	338.37710	2.78116	0.1951451	0.25496429	2.4631062	21	3 25.4	19.8
98727 2000 YN_{16}	15.7	X	101.29214	172.45002	345.28399	2.76500	0.1172840	0.25935516	2.4352270	21	6 19.2	18.8
98728 2000 YG_{21}	15.4	X	316.88657	144.67675	310.08233	8.97177	0.0927827	0.23335090	2.6129418	21	12 23.3	18.4
98729 2000 YW_{25}	15.5	X	252.11197	305.54460	301.66977	8.83560	0.0862903	0.24412523	2.5354844	21	—	—
98730 2000 YM_{26}	15.4	X	340.54729	273.48043	153.54031	12.55061	0.0824758	0.23557961	2.5964358	21	12 24.2	18.6
98731 2000 YF_{30}	15.3	X	248.48030	160.19780	78.00274	8.76742	0.1529393	0.23856321	2.5747421	21	—	—
98732 2000 YR_{30}	15.7	X	15.71900	220.80745	178.96056	0.53031	0.2068369	0.23661945	2.5888234	21	—	—
98733 2000 YT_{30}	14.8	X	179.82401	148.27348	102.61577	22.91455	0.0146171	0.23594977	2.5937195	21	—	—
98734 2000 YQ_{33}	15.9	X	161.63033	267.07479	169.52628	2.04180	0.1439890	0.25937402	2.4351089	21	5 13.5	19.6
98735 2000 YC_{34}	15.7	X	38.92746	300.32737	139.87271	12.73677	0.2488775	0.24241577	2.5473902	21	—	—
98736 2000 YO_{35}	15.8	X	154.45832	14.72780	96.80777	3.55439	0.1477965	0.26265803	2.4147690	21	6 20.8	19.4
98737 2000 YC_{36}	15.2	X	160.37148	293.58555	84.64679	6.02040	0.0886647	0.30091629	2.2054925	21	2 15.7	18.0
98738 2000 YG_{38}	15.1	X	344.59345	138.04676	259.19405	10.07628	0.0552412	0.23030211	2.6359516	21	11 16.3	18.4
98739 2000 YR_{40}	15.8	X	110.81580	213.15499	233.27679	1.66084	0.1639368	0.25397680	2.4694866	21	4 1.1	19.0
98740 2000 YN_{43}	14.9	X	214.81932	329.71011	115.37521	10.32785	0.0784161	0.21831813	2.7315523	21	7 21.2	18.9
98741 2000 YH_{45}	15.5	X	81.91463	125.34271	85.71616	3.33723	0.1325367	0.26365617	2.4086707	21	8 11.3	18.6
98742 2000 YM_{45}	16.0	X	233.70502	314.61872	149.27450	4.27715	0.0572276	0.27088445	2.3656292	21	9 14.3	18.8
98743 2000 YA_{46}	15.2	X	114.25669	329.43674	154.22994	2.82897	0.1299809	0.25715056	2.4491256	21	5 22.3	18.5
98744 2000 YM_{46}	15.6	X	269.70713	19.48421	124.46836	2.74573	0.0446069	0.23275376	2.6174089	21	12 20.9	19.0
98745 2000 YB_{47}	15.1	X	170.25055	59.08313	304.75001	3.79159	0.1961308	0.25284030	2.4768813	21	2 21.3	19.1
98746 2000 YQ_{49}	15.7	X	18.40693	108.11979	273.23925	3.14202	0.1707431	0.23419943	2.6066266	21	—	—
98747 2000 YV_{50}	15.6	X	109.51156	7.30319	124.70835	7.14830	0.0977344	0.25729692	2.4481968	21	5 24.3	18.9
98748 2000 YP_{51}	16.3	X	87.50590	249.69361	273.68116	1.16735	0.1362819	0.25750478	2.4468792	21	6 11.4	19.3
98749 2000 YS_{51}	15.4	X	70.34574	221.86567	283.42278	5.63758	0.0837850	0.25419072	2.4681010	21	4 8.8	18.3
98750 2000 YJ_{52}	16.0	X	306.41323	159.50945	63.06396	1.84553	0.0465567	0.24781966	2.5102225	21	1 23.9	19.3
98751 2000 YN_{52}	15.1	X	158.90802	103.51081	62.42879	4.01040	0.0442395	0.22049082	2.7135784	21	9 2.9	19.0
98752 2000 YK_{53}	15.7	X	121.20206	288.72733	86.19105	2.33158	0.0888692	0.24530933	2.5273186	21	1 1.5	18.9
98753 2000 YW_{53}	15.2	X	138.85576	112.43861	293.52389	6.81956	0.1227620	0.25214868	2.4814084	21	3 4.9	18.8
98754 2000 YV_{54}	15.8	X	170.32633	289.60943	89.51875	1.89836	0.2073805	0.25397727	2.4694836	21	3 14.5	19.8
98755 2000 YF_{58}	14.9	X	107.69334	307.02904	124.43176	9.24529	0.0073469	0.20153323	2.8811881	21	2 23.7	18.9
98756 2000 YL_{59}	15.5	X	334.47309	28.06069	106.39439	2.73203	0.1182653	0.23953894	2.5677454	21	—	—
98757 2000 YZ_{61}	15.5	X	324.11589	237.16308	299.55030	3.24022	0.2295388	0.24084411	2.5584604	21	—	—
98758 2000 YM_{63}	15.1	X	147.92798	193.31572	297.90852	6.95557	0.1647477	0.21295088	2.7772592	21	7 11.2	19.6
98759 2000 YH_{68}	14.3	X	162.96827	229.43608	319.78915	16.11003	0.1311708	0.17175286	3.2052855	21	9 23.6	19.6
98760 2000 YO_{68}	15.0	X	318.52352	33.36201	141.16008	10.28129	0.1431746	0.23865605	2.5740744	21	—	—
98761 2000 YR_{68}	15.5	X	252.37373	199.67825	302.65174	3.82488	0.1955729	0.22672884	2.6635747	21	10 31.3	19.3
98762 2000 YT_{68}	15.7	X	29.31684	303.58492	146.89565	6.11667	0.2515020	0.24077945	2.5589184	21	—	—
98763 2000 YL_{69}	15.0	X	176.92870	217.00536	81.60213	12.06129	0.1449792	0.24694734	2.5161304	21	—	—
98764 2000 YQ_{69}	15.6	X	352.49776	269.15373	101.45693	5.07992	0.2040085	0.28053959	2.3110354	21	11 20.7	17.4
98765 2000 YP_{70}	15.8	X	191.88457	153.08743	196.06359	1.77624	0.0678405	0.25422989	2.4678475	21	2 17.1	19.2
98766 2000 YF_{72}	15.6	X	0.61398	174.49398	286.28092	3.89051	0.1789771	0.24207888	2.5497530	21	—	—
98767 2000 YV_{72}	15.8	X	149.80301	17.36297	150.57206	1.78957	0.1251448	0.26865017	2.3787272	21	8 29.4	19.3
98768 2000 YD_{75}	15.2	X	260.84575	305.25958	101.01574	12.60160	0.0945503	0.22201597	2.7011367	21	7 24.3	19.0
98769 2000 YE_{75}	16.0	X	112.84918	49.42906	103.81510	7.75333	0.1210610	0.26197164	2.4189851	21	6 28.3	19.2
98770 2000 YN_{77}	15.6	X	71.86042	226.58428	80.59512	6.36537	0.1464706	0.28059276	2.3107435	21	12 9.2	18.8
98771 2000 YN_{78}	16.3	X	127.35347	126.56423	52.48026	2.98830	0.1471152	0.26660641	2.3908683	21	8 23.2	19.9
98772 2000 YP_{78}	15.7	X	81.39914	99.36785	62.88717	2.96802	0.1223388	0.25895134	2.4377581	21	5 29.4	18.5
98773 2000 YW_{79}	15.2	X	20.18969	155.98631	251.10338	4.04081	0.1230840	0.23838343	2.5760364	21	—	—
98774 2000 YM_{80}	14.7	X	78.46139	285.71312	263.79281	5.82933	0.2352206	0.21189563	2.7864722	21	7 19.9	18.6
98775 2000 YD_{82}	15.5	X	39.46596	316.78926	76.60076	2.32238	0.0746360	0.23914214	2.5705851	21	—	—
98776 2000 YN_{84}	14.8	X	267.82461	41.45047	105.44253	15.84318	0.2090152	0.23289640	2.6163401	21	12 1.6	18.1
98777 2000 YV_{85}	15.1	X	338.71235	318.83183	111.35593	15.31852	0.0862122	0.23447480	2.6045854	21	12 25.6	18.1
98778 2000 YX_{85}	14.3	X	111.58164	66.56213	110.89858	17.00101	0.1790855	0.21473322	2.7618699	21	8 5.3	18.6
98779 2000 YJ_{86}	15.9	X	346.62200	329.11098	117.30878	5.25793	0.1963104	0.23776598	2.5804943	21	—	—
98780 2000 YZ_{90}	15.5	X	271.54016	292.87073	88.99986	2.90375	0.0844316	0.21866997	2.7286214	21	7 6.2	19.0
98781 2000 YF_{91}	16.0	X	93.55319	171.73285	38.52885	1.89368	0.1302796	0.26470588	2.4022986	21	8 24.7	19.1
98782 2000 YS_{92}	15.9	X	31.48658	306.23998	93.38243	2.59349	0.1192800	0.23663567	2.5887051	21	—	—
98783 2000 YB_{93}	16.0	X	164.29537	333.77584	204.15499	1.96857	0.1263970	0.27095030	2.3652459	21	9 26.1	19.4
98784 2000 YU_{93}	15.4	X	249.85730	84.66085	82.09046	6.74326	0.0948449	0.23379700	2.6096169	21	12 16.4	18.7
98785 2000 YR_{94}	15.4	X	92.03664	0.03928	154.94497	3.51301	0.0230425	0.21047936	2.7989579	21	5 22.4	19.2
98786 2000 YR_{96}	15.3	X	252.32382	8.16781	113.96787	6.74508	0.1152296	0.22688396	2.6623604	21	10 22.1	19.0
98787 2000 YP_{97}	14.5	X	234.60852	122.40629	120.25531	13.68005	0.1330055	0.23815142	2.5777093	21	—	—
98788 2000 YQ_{98}	15.6	X	333.13827	256.66700	157.86784	5.80468	0.2041412	0.23023432	2.6364690	21	11 28.4	17.9
98789 2000 YF_{99}	15.2	X	97.85266	59.81175	291.17691	13.94594	0.1393234	0.23836854	2.5761438	21	—	—
98790 2000 YW_{99}	16.3	X	128.12382	134.81951	343.46774	1.58592	0.1266443	0.25716901	2.4490085	21	5 30.1	19.7
98791 2000 YW_{104}	15.0	X	345.30014	108.86323	337.18636	25.76422	0.2666282	0.23350732	2.6117748	21	—	—
98792 2000 YR_{105}	14.5	X	23.94198	147.93149	359.83376	8.36701	0.2011984	0.19540732	2.9410935	21	2 12.7	17.5
98793 2000 YT_{106}	15.3	X	287.27159	112.81855	81.70021	7.88668	0.1131641	0.24262757	2.5459075	21	—	—
98794 2000 YX_{109}	15.9	X	270.99119	48.73444	311.85859	5.48216	0.1381241	0.26428110	2.4048721	21	5 26.7	19.1
98795 2000 YJ_{110}	15.9	X	303.71201	55.99146	13.50105	3.29397	0.0862261	0.22838239	2.6507024	21	10 26.8	18.9
98796 2000 YD_{111}	15.7	X	109.18883	119.24999	319.99060	2.87791	0.2080343	0.25252181	2.4789634	21	3 26.5	19.1
98797 2000 YS_{111}	15.8	X	179.13113	78.84092	56.80589	3.23191	0.1302512	0.26658724	2.3909830	21	8 18.3	19.4
98798 2000 YW_{111}	16.1	X	307.71563	129.44096	346.19937	3.94347	0.1149972	0.23427746	2.6060478	21	—	—
98799 2000 YZ_{111}	15.8	X	277.55728	337.59473	44.22823	3.14357	0.2065223	0.26889054	2.3773093	21	6 24.8	19.0
98800 2000 YN_{114}	15.4	X	192.04935	25.51145	17.93053	3.14600	0.0887624	0.21057873	2.7980774	21	5 2.3	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
98801 2000 YZ_{114}	15.4	X	109.22886	129.38762	266.44203	11.10911	0.2064592	0.24661343	2.5184011	21	1 27.0	18.6
98802 2000 YB_{115}	14.9	X	214.45520	193.87910	266.82421	10.83209	0.0796660	0.21811485	2.7332491	21	8 6.1	19.0
98803 2000 YE_{115}	15.5	X	297.15674	83.99976	101.32687	4.86331	0.2114678	0.23809721	2.5781005	21	—	—
98804 2000 YD_{117}	15.1	X	1.66802	14.93343	82.84931	4.58904	0.1721050	0.23794665	2.5791879	21	—	—
98805 2000 YM_{117}	14.3	X	177.22983	118.99951	111.44949	10.75656	0.0439142	0.18211031	3.0825706	21	12 7.3	18.9
98806 2000 YU_{117}	15.2	X	164.38493	193.17146	313.94287	12.41383	0.0832999	0.26495279	2.4008059	21	8 15.1	18.5
98807 2000 YK_{118}	14.7	X	110.73500	70.53622	101.98330	8.06518	0.1308622	0.21142110	2.7906401	21	7 23.0	18.8
98808 2000 YP_{118}	14.5	X	46.21930	274.52221	67.69155	12.66059	0.1662236	0.23350623	2.6117828	21	12 17.6	18.0
98809 2000 YD_{119}	14.7	X	22.04747	353.87848	89.05893	15.43459	0.2414989	0.23809349	2.5781274	21	—	—
98810 2000 YR_{119}	15.1	X	7.39933	183.00677	279.19016	9.31675	0.0876276	0.24252455	2.5466284	21	—	—
98811 2000 YS_{119}	15.3	X	327.09359	11.74484	82.68811	16.44301	0.0910351	0.23619529	2.5919218	21	—	—
98812 2000 YP_{120}	14.8	X	70.11220	350.21652	101.20820	13.45009	0.1358017	0.24458628	2.5322971	21	2 5.4	17.6
98813 2000 YX_{120}	15.3	X	149.67601	265.74013	289.03157	4.61842	0.0512001	0.22631080	2.6668538	21	9 25.4	19.1
98814 2000 YC_{122}	15.9	X	79.61695	73.10939	70.16198	6.95218	0.0730371	0.25766516	2.4458637	21	4 23.9	18.8
98815 2000 YR_{123}	15.8	X	79.70428	135.90734	5.22203	0.31437	0.0948185	0.25296815	2.4760466	21	4 22.4	18.7
98816 2000 YU_{123}	15.5	X	183.30836	130.41118	106.75660	3.92528	0.0481896	0.23066482	2.6331876	21	12 29.5	19.2
98817 2000 YQ_{124}	15.0	X	25.61264	88.07536	241.50549	11.34821	0.1560456	0.23149761	2.6268688	21	10 30.8	18.2
98818 2000 YH_{125}	15.5	X	154.68490	133.45320	341.87556	11.25247	0.1837089	0.26134459	2.4228529	21	6 29.1	19.5
98819 2000 YC_{129}	15.3	X	307.69955	297.99189	75.77747	6.19516	0.1599065	0.22117189	2.7080048	21	8 8.3	18.4
98820 2000 YL_{130}	14.9	X	49.29865	253.25818	93.76446	26.53386	0.2557009	0.23724084	2.5843009	21	—	—
98821 2000 YV_{131}	14.8	X	150.65787	100.89316	120.16575	15.82789	0.0837843	0.22407320	2.6845785	21	11 7.8	19.1
98822 2000 YR_{132}	14.8	X	218.57503	280.19440	297.07154	11.49105	0.2478160	0.22709976	2.6606736	21	12 21.7	19.1
98823 2000 YF_{135}	14.8	X	97.44660	212.10554	98.24904	15.12670	0.1175297	0.23842569	2.5757320	21	12 29.8	18.7
98824 2000 YS_{135}	16.1	X	271.45226	52.44953	17.24734	0.73394	0.1327812	0.22402809	2.6849389	21	9 1.9	19.7
98825 Maryellen	15.0	X	323.32896	106.21343	355.75696	14.40127	0.1617802	0.23464370	2.6033354	21	—	—
98826 2000 YF_{140}	14.7	X	268.47257	138.37685	45.81340	13.76231	0.1916067	0.23244517	2.6197250	21	—	—
98827 2001 AW	15.3	X	174.34180	203.80774	21.33780	1.17309	0.1184320	0.18022962	3.1039778	21	11 23.1	20.1
98828 2001 AP_3	15.4	X	204.83172	17.84109	123.56308	11.37846	0.1758663	0.27091706	2.3654393	21	9 21.4	19.2
98829 2001 AG_4	15.0	X	70.49184	164.89132	201.12693	3.41091	0.2705107	0.23982343	2.5657144	21	—	—
98830 2001 AP_4	15.1	X	167.25902	4.14236	124.08764	13.31819	0.1346792	0.21605484	2.7505954	21	7 24.6	19.5
98831 2001 AR_4	16.1	X	324.69387	308.02433	152.43580	5.61147	0.2717893	0.23535572	2.5980821	21	—	—
98832 2001 AL_5	15.1	X	261.52221	257.25089	280.76794	10.99505	0.1025796	0.23369808	2.6103532	21	—	—
98833 2001 AF_{12}	15.3	X	274.67338	144.73723	276.14291	9.39973	0.0742918	0.22191490	2.7019569	21	8 29.2	19.1
98834 2001 AR_{15}	15.2	X	196.94072	175.86342	274.37950	7.75349	0.1227852	0.21458559	2.7631365	21	7 5.6	19.4
98835 2001 AS_{15}	15.4	X	342.23284	189.96757	279.38335	7.86808	0.1331165	0.23621563	2.5917730	21	—	—
98836 2001 AF_{17}	15.0	X	19.56612	307.97622	126.87315	14.60370	0.0971477	0.23642009	2.5902785	21	—	—
98837 2001 AQ_{17}	15.5	X	284.45764	251.46849	301.09737	4.03832	0.2432010	0.23414155	2.6070561	21	—	—
98838 2001 AH_{19}	15.7	X	216.25281	80.39997	94.74483	4.09277	0.0077259	0.22699812	2.6614678	21	11 26.1	19.2
98839 2001 AT_{20}	14.9	X	289.55337	341.32172	107.82292	22.77816	0.0305438	0.23095795	2.6309591	21	11 17.3	18.8
98840 2001 AA_{22}	14.8	X	105.28681	149.21647	82.09834	10.12198	0.0419125	0.22267735	2.6957856	21	9 26.8	18.7
98841 2001 AL_{22}	16.0	X	328.11236	29.91331	50.51541	2.26790	0.0671864	0.23348658	2.6119294	21	12 21.1	19.2
98842 2001 AQ_{22}	15.3	X	296.84330	246.30025	134.54006	12.43159	0.1141649	0.22103958	2.7090853	21	8 5.3	18.4
98843 2001 AQ_{26}	14.7	X	318.50554	42.30502	75.70636	18.52229	0.1140375	0.23677577	2.5876838	21	—	—
98844 2001 AP_{27}	15.2	X	155.42086	119.27703	1.61680	8.67210	0.1020985	0.21448135	2.7640318	21	7 3.2	19.6
98845 2001 AU_{27}	15.1	X	109.68706	202.46490	339.25858	11.49286	0.1015004	0.26294567	2.4130077	21	8 3.4	18.5
98846 2001 AV_{27}	15.1	X	170.56057	96.23747	45.43157	9.27553	0.0447959	0.21809053	2.7334523	21	8 18.3	19.2
98847 2001 AW_{29}	15.1	X	332.06101	282.78665	54.17978	5.96071	0.0597922	0.22135040	2.7065487	21	8 8.5	18.5
98848 2001 AT_{30}	14.9	X	165.61457	116.29479	78.25248	11.23884	0.2021832	0.22429397	2.6828166	21	10 18.6	19.6
98849 2001 AY_{30}	15.5	X	124.78840	80.38571	324.87794	5.69840	0.1211887	0.25189184	2.4830949	21	2 17.8	18.6
98850 2001 AM_{33}	15.5	X	63.19290	172.46154	6.79641	3.57113	0.1392133	0.25632368	2.4543900	21	5 27.5	18.1
98851 2001 AW_{33}	15.1	X	206.65540	45.36797	91.08555	11.77510	0.1222825	0.22225322	2.6992141	21	9 19.3	19.4
98852 2001 AJ_{34}	15.0	X	257.69353	358.90882	56.10726	6.01239	0.0284243	0.21876216	2.7278548	21	8 12.7	18.8
98853 2001 AY_{34}	14.7	X	338.95045	16.06495	124.07606	15.32997	0.1220356	0.23785847	2.5798253	21	—	—
98854 2001 AU_{36}	15.3	X	136.95942	171.05167	2.66534	8.50171	0.2533029	0.21491730	2.7602927	21	8 29.6	20.1
98855 2001 AU_{37}	14.8	X	318.95323	71.36986	75.44279	13.75780	0.1081003	0.23697387	2.5862415	21	—	—
98856 2001 AA_{38}	14.2	X	23.95211	56.88852	91.23678	17.84610	0.0574407	0.19743859	2.9208866	21	2 17.2	18.3
98857 2001 AM_{38}	14.7	X	175.52761	210.34757	14.60131	13.09640	0.2260231	0.22541218	2.6739368	21	11 22.2	19.4
98858 2001 AT_{41}	15.5	X	340.58713	111.34650	315.35129	11.50274	0.1718715	0.23178419	2.6247031	21	12 30.7	18.2
98859 2001 AZ_{41}	14.5	X	317.61344	342.02839	308.22585	5.52582	0.1814156	0.25476112	2.4644156	21	4 14.8	17.6
98860 2001 AK_{42}	15.3	X	359.73351	288.51218	123.06129	15.52607	0.1012056	0.23537345	2.5979516	21	—	—
98861 2001 AA_{44}	14.8	X	158.44685	126.15479	342.70948	24.62681	0.2285771	0.26068113	2.4269621	21	6 28.8	19.4
98862 2001 AN_{44}	15.4	X	23.50164	2.94197	103.36005	3.76615	0.1342621	0.24127970	2.5553802	21	—	—
98863 2001 AR_{46}	14.1	X	101.69683	143.83092	21.48788	24.24045	0.1890941	0.25861415	2.4398766	21	7 16.2	18.2
98864 2001 AR_{47}	14.4	X	226.02063	125.47974	45.49134	27.48599	0.1637895	0.22600053	2.6692940	21	11 10.7	18.4
98865 2001 AY_{47}	15.0	X	304.33551	285.30822	61.15950	13.21416	0.2078599	0.21805628	2.7337386	21	6 13.2	18.5
98866 Giannabussolari	15.5	X	227.28049	210.47986	178.54199	6.01457	0.1370587	0.26131097	2.4230607	21	5 17.9	19.1
98867 2001 BG_4	15.2	X	332.45934	96.21773	73.68663	8.78528	0.1818168	0.24063945	2.5599108	21	—	—
98868 2001 BS_5	14.9	X	213.94581	311.96918	97.77454	13.33884	0.0802018	0.21215317	2.7842167	21	6 5.5	19.0
98869 2001 BT_5	15.1	X	69.42528	291.65900	107.85020	15.06853	0.1922456	0.24122140	2.5557919	21	—	—
98870 2001 BV_5	15.2	X	61.75780	62.31890	338.15580	12.78716	0.1983397	0.24047868	2.5610516	21	—	—
98871 2001 BB_7	15.6	X	330.22979	306.04340	251.96944	6.79900	0.2188225	0.24408196	2.5357840	21	—	—
98872 2001 BO_9	15.6	X	125.37037	351.23353	35.73911	4.71183	0.1634893	0.24739362	2.5131036	21	2 3.8	19.0
98873 2001 BO_{11}	15.8	X	306.24195	349.21082	303.89140	5.64094	0.0964347	0.25593660	2.4568640	21	4 15.7	19.1
98874 2001 BE_{14}	14.8	X	81.25096	64.11462	328.56475	8.78004	0.0413853	0.18775797	3.0204417	21	—	—
98875 2001 BN_{15}	15.6	X	280.13583	184.19331	340.68445	4.91973	0.1626415	0.23278061	2.6172076	21	—	—
98876 2001 BL_{17}	15.8	X	169.91150	224.30785	180.21705	8.03710	0.1264424	0.25585541	2.4573837	21	4 10.0	19.4
98877 2001 BK_{19}	15.0	X	202.02013	132.56582	108.12552	13.00129	0.1254468	0.23381430	2.6094882	21	—	—
98878 2001 BT_{21}	14.9	X	289.90591	217.66609	16.52405	1.82810	0.0410033	0.20222080	2.8746535	21	1 28.1	18.8
98879 2001 BC_{24}	14.4	X	356.40813	4.44897	304.24893	16.18928	0.0205661	0.21712266	2.7415697	21	8 3.1	18.1
98880 2001 BF_{25}	16.2	X	136.34725	325.68175	139.67587	1.38800	0.1300822	0.25728124	2.4482963	21	5 23.2	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
98881 2001 BQ_{25}	15.6	X	266.92357	307.70824	110.86879	3.31867	0.1100594	0.22070712	2.7118052	21	8 15.5	19.1
98882 2001 BG_{28}	15.0	X	36.49529	357.78459	146.88189	2.72298	0.0650860	0.19926463	2.9030147	21	2 25.8	18.4
98883 2001 BY_{28}	14.9	X	289.13451	57.80290	141.59814	13.72007	0.0798850	0.23911073	2.5708101	21	—	—
98884 2001 BL_{29}	14.8	X	162.87824	339.98857	293.49939	15.06830	0.1905369	0.23373354	2.6100892	21	—	—
98885 2001 BX_{29}	15.1	X	294.82285	177.26616	102.90287	3.24792	0.0310631	0.20520552	2.8467108	21	4 3.7	19.0
98886 2001 BZ_{29}	15.4	X	38.14901	108.18655	123.92811	13.07617	0.2458513	0.25720582	2.4487748	21	7 20.7	17.5
98887 2001 BQ_{34}	15.0	X	267.31519	42.11710	154.89139	13.01536	0.1733047	0.23257579	2.6187440	21	—	—
98888 2001 BW_{34}	16.0	X	40.06481	315.13025	124.41337	5.22418	0.1588794	0.24084489	2.5584549	21	—	—
98889 2001 BL_{38}	14.0	X	241.80691	273.83803	320.82539	25.90297	0.4218832	0.23284376	2.6167344	21	—	—
98890 2001 BH_{40}	14.7	X	258.63347	108.27835	91.23699	15.98375	0.0810563	0.23511780	2.5998345	21	—	—
98891 2001 BK_{41}	15.6	X	167.90455	345.48642	237.94097	7.58493	0.3886083	0.27865777	2.3214283	21	11 18.3	20.1
98892 2001 BX_{42}	15.2	X	331.71681	272.60726	244.21627	7.30817	0.0298842	0.24021567	2.5629207	21	—	—
98893 2001 BB_{44}	15.4	X	345.93435	19.54353	121.44588	6.04616	0.1853637	0.23769720	2.5809920	21	—	—
98894 2001 BC_{44}	15.5	X	308.37040	24.38209	143.26125	12.78440	0.1008604	0.23513225	2.5997280	21	—	—
98895 2001 BE_{44}	15.3	X	358.22127	342.60526	134.40383	9.86373	0.1307924	0.23631332	2.5910587	21	—	—
98896 2001 BK_{44}	15.3	X	22.93431	318.88944	149.18102	17.70443	0.1193404	0.23830841	2.5765771	21	—	—
98897 2001 BL_{44}	14.7	X	358.83219	156.66109	329.06011	29.14451	0.1434147	0.23678797	2.5875949	21	—	—
98898 2001 BU_{45}	15.1	X	98.45381	231.56211	232.06822	11.94009	0.0306431	0.20446225	2.8536056	21	3 21.4	19.2
98899 2001 BG_{48}	15.3	X	157.82637	331.01311	187.93281	9.64091	0.0998391	0.21677626	2.7444895	21	8 20.2	19.6
98900 2001 BF_{50}	14.6	X	32.53588	182.33752	286.43065	12.78613	0.1089703	0.24016639	2.5632712	21	—	—
98901 2001 BB_{51}	15.2	X	16.96809	315.72186	127.99540	22.84913	0.0906422	0.23563702	2.5960140	21	—	—
98902 2001 BK_{53}	15.0	X	191.04747	170.72744	121.57928	14.49855	0.1740599	0.23783998	2.5799590	21	—	—
98903 2001 BB_{57}	15.7	X	305.58800	63.08563	140.29517	4.94992	0.1820451	0.23832933	2.5764263	21	—	—
98904 2001 BD_{57}	14.6	X	110.30136	44.88362	272.70347	15.69185	0.1545527	0.23187298	2.6240330	21	—	—
98905 2001 BL_{58}	15.6	X	315.26329	237.30033	311.02066	7.89315	0.1290549	0.24060952	2.5601231	21	—	—
98906 2001 BR_{58}	15.8	X	329.65688	67.61745	122.40001	4.46575	0.1349325	0.24256442	2.5463493	21	—	—
98907 2001 BM_{59}	14.4	X	352.11757	242.68789	258.78290	12.77150	0.1006843	0.24133170	2.5550131	21	—	—
98908 2001 BZ_{59}	15.4	X	347.98940	291.38666	165.70585	5.06521	0.2171210	0.23561646	2.5961650	21	—	—
98909 2001 BR_{60}	15.6	X	338.56564	245.96750	252.75318	8.43097	0.1497208	0.23764796	2.5813486	21	—	—
98910 2001 BE_{62}	15.9	X	328.15070	307.14796	188.12290	4.36843	0.1294803	0.23640407	2.5903955	21	—	—
98911 2001 BJ_{63}	15.5	X	57.58023	306.16172	133.89342	3.77023	0.1004160	0.24191098	2.5509327	21	—	—
98912 2001 BM_{63}	15.5	X	113.46785	308.64839	168.67470	6.62803	0.1221310	0.25452334	2.4659502	21	5 12.8	18.9
98913 2001 BG_{65}	15.9	X	184.44458	271.51594	199.50186	6.57509	0.2522788	0.21571841	2.7534545	21	7 16.8	20.8
98914 2001 BL_{66}	15.4	X	339.93534	101.35803	131.83856	8.29961	0.1742379	0.24541027	2.5266256	21	3 9.4	18.1
98915 2001 BJ_{67}	14.4	X	185.12888	137.05869	2.45060	25.69488	0.1486124	0.21381525	2.7697693	21	9 3.2	19.1
98916 2001 BU_{68}	14.5	X	137.78651	153.91384	138.08251	14.78421	0.0943364	0.22892544	2.6465088	21	—	—
98917 2001 BY_{70}	16.0	X	0.71272	274.95989	182.92393	2.27219	0.1479456	0.23809574	2.5781111	21	—	—
98918 2001 BG_{72}	14.8	X	198.71090	250.96810	262.28805	8.36937	0.1075148	0.21969798	2.7201030	21	9 22.5	19.2
98919 2001 BN_{74}	15.5	X	1.73855	168.57058	191.83154	2.04641	0.0234274	0.22253856	2.6969064	21	10 21.1	19.0
98920 2001 BX_{74}	15.1	X	296.70780	128.50719	3.13885	13.53083	0.1325889	0.23018615	2.6368368	21	—	—
98921 2001 BW_{76}	14.9	X	251.30914	48.99934	189.74227	2.54603	0.0580529	0.18833294	3.0142911	21	—	—
98922 2001 BY_{76}	15.2	X	332.94115	279.51505	158.88552	15.12801	0.1476399	0.22943741	2.6425704	21	12 28.6	18.3
98923 2001 BB_{78}	14.5	X	93.59861	219.05719	149.46429	12.49571	0.1064488	0.19020952	2.9944326	21	—	—
98924 2001 BG_{82}	15.3	X	253.01114	237.62380	343.16566	14.51851	0.0327648	0.23751549	2.5823083	21	—	—
98925 2001 CX	15.5	X	94.79560	145.31809	349.92461	3.19248	0.1347617	0.25390579	2.4699470	21	5 11.7	18.6
98926 2001 CH_{1}	14.8	X	195.53043	319.26945	121.28267	9.98863	0.1118670	0.21250924	2.7811058	21	6 22.8	19.2
98927 2001 CF_{2}	14.8	X	195.78052	105.19516	51.10937	3.97814	0.1171180	0.22065178	2.7122586	21	9 28.7	18.9
98928 2001 CH_{2}	15.6	X	321.40044	120.87795	65.57130	2.55811	0.1015826	0.24077621	2.5589413	21	—	—
98929 2001 CE_{4}	16.0	X	334.91806	197.17596	359.00821	4.19534	0.1956339	0.24244312	2.5471986	21	1 6.1	19.1
98930 2001 CB_{5}	15.1	X	202.72334	248.52261	351.24628	12.43739	0.1332033	0.23015023	2.6371112	21	—	—
98931 2001 CC_{5}	15.4	X	187.66562	230.22517	351.54455	12.64338	0.2060615	0.22500802	2.6771377	21	11 29.8	20.1
98932 2001 CZ_{6}	15.4	X	280.91471	83.49106	105.58757	5.62452	0.1569663	0.23537394	2.5979480	21	—	—
98933 2001 CS_{7}	14.7	X	80.77107	20.13603	341.33619	12.97326	0.1451275	0.23406582	2.6076185	21	—	—
98934 2001 CA_{8}	16.2	X	31.99451	98.76942	10.46234	4.56717	0.1120764	0.24164277	2.5528199	21	—	—
98935 2001 CV_{10}	13.1	X	148.23021	295.07065	321.76203	22.77137	0.2995344	0.17703299	3.1412313	21	12 5.4	19.2
98936 2001 CX_{10}	15.4	X	29.67462	11.65388	9.25059	4.08763	0.2233778	0.23351542	2.6117144	21	—	—
98937 2001 CO_{11}	15.6	X	166.09056	105.38083	17.72338	3.09574	0.1214869	0.26217673	2.4177235	21	7 18.1	19.2
98938 2001 CQ_{13}	15.3	X	335.03317	354.25518	339.64018	5.81218	0.0112596	0.21644218	2.7473129	21	8 9.8	18.9
98939 2001 CZ_{15}	15.3	X	61.46565	48.03507	329.12579	14.27325	0.0385860	0.23413640	2.6070944	21	—	—
98940 2001 CJ_{18}	15.5	X	347.19188	322.06194	295.50275	4.55080	0.1118223	0.25595160	2.4567680	21	4 29.4	18.1
98941 2001 CH_{20}	15.3	X	312.45493	50.90365	60.03737	14.13884	0.1134825	0.23100151	2.6306284	21	—	—
98942 2001 CP_{20}	14.7	X	281.28477	35.17932	124.90370	28.96237	0.1118891	0.22876269	2.6477639	21	—	—
98943 2001 CC_{21}	18.5	X	76.92348	179.41218	75.56903	4.80805	0.2190941	0.93972699	1.0322897	21	—	—
98944 2001 CM_{21}	14.8	X	122.65003	55.61093	103.70607	13.44743	0.0852247	0.21286328	2.7780212	21	7 14.0	18.9
98945 2001 CS_{21}	15.2	X	17.36528	308.21062	76.98876	4.89417	0.1758249	0.23256853	2.6187985	21	—	—
98946 2001 CB_{22}	15.2	X	24.39279	182.43071	93.15218	2.98617	0.0345114	0.21575689	2.7531272	21	7 31.5	18.7
98947 2001 CZ_{23}	15.3	X	83.95801	117.23886	143.20676	11.06703	0.2450642	0.26699279	2.3885611	21	11 4.4	19.2
98948 2001 CK_{24}	15.6	X	322.42468	175.73987	272.49224	3.33756	0.1250742	0.23214486	2.6219838	21	12 22.9	18.1
98949 2001 CM_{27}	14.8	X	234.25190	346.93332	84.31825	10.55594	0.1121514	0.21711834	2.7416060	21	7 23.1	18.9
98950 2001 CO_{28}	14.8	X	210.50305	112.20373	110.53666	10.60756	0.0968128	0.23095167	2.6310068	21	—	—
98951 2001 CV_{28}	14.5	X	205.57506	78.64042	347.12429	15.21870	0.0327618	0.21118896	2.7926847	21	6 17.4	18.8
98952 2001 CW_{28}	14.0	X	157.22575	90.09299	115.97909	16.28303	0.0290429	0.17447413	3.1718699	21	10 22.3	18.9
98953 2001 CZ_{29}	14.5	X	97.79666	308.03287	105.37582	13.08564	0.0488631	0.19606836	2.9344792	21	1 25.7	18.6
98954 2001 CJ_{32}	14.8	X	169.11482	177.40605	39.95871	11.99845	0.2350601	0.22128341	2.7070949	21	11 10.4	19.6
98955 2001 CE_{34}	13.6	X	150.56555	139.19578	110.36536	28.31938	0.1821001	0.17637700	3.1490151	21	12 6.1	19.2
98956 2001 CW_{34}	14.6	X	234.83682	185.21980	37.25353	13.40819	0.0798799	0.18646324	3.0344075	21	—	—
98957 2001 CH_{36}	14.9	X	12.40103	329.38200	86.50641	6.11927	0.2367004	0.23398471	2.6082211	21	—	—
98958 2001 CD_{38}	13.6	X	103.27233	167.39040	90.19525	22.78861	0.0479371	0.17021730	3.2245337	21	10 27.9	18.7
98959 2001 CG_{39}	15.1	X	205.30810	234.73363	8.20976	13.80726	0.1255610	0.23402912	2.6078911	21	—	—
98960 2001 CG_{43}	14.1	X	304.02671	57.15625	112.38563	15.53511	0.1575320	0.18578745	3.0417614	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
98961 2001 CP_{43}	14.4	X	39.34281	53.84774	59.25360	13.83656	0.2233126	0.24183044	2.5514990	21	1 8.0	16.6
98962 2001 CZ_{43}	15.1	X	90.84533	93.97131	94.33109	14.16735	0.1401432	0.20943048	2.8082954	21	7 21.6	19.1
98963 2001 CO_{44}	14.2	X	329.03499	327.00721	110.94829	22.91082	0.0192452	0.17851527	3.1238186	21	12 10.7	18.8
98964 2001 CR_{44}	15.3	X	331.38752	123.05274	41.61232	13.45096	0.0951282	0.23940877	2.5686761	21	—	—
98965 2001 CL_{45}	15.1	X	322.86910	76.98139	49.96834	14.74948	0.1160194	0.23343774	2.6122937	21	—	—
98966 2001 CW_{47}	15.4	X	66.54189	37.22464	353.92979	2.61634	0.2023071	0.24080176	2.5587604	21	—	—
98967 2001 DT_{2}	14.4	X	139.79158	164.39913	127.68609	2.63098	0.1358065	0.18046172	3.1013158	21	—	—
98968 2001 DA_{4}	15.6	X	247.99710	137.15615	63.00928	4.99040	0.1247313	0.23262144	2.6184014	21	—	—
98969 2001 DJ_{12}	15.5	X	6.58714	339.68601	139.09891	6.08744	0.1000983	0.23828112	2.5767738	21	—	—
98970 2001 DL_{12}	14.8	X	283.42673	356.23174	145.79051	11.96587	0.0653791	0.18144303	3.0901236	21	12 23.3	19.1
98971 2001 DR_{12}	15.1	X	207.36814	176.33540	137.65065	5.86298	0.1138039	0.24173134	2.5521963	21	1 24.4	19.1
98972 2001 DT_{14}	15.1	X	31.38555	145.90713	118.09259	4.59370	0.0513470	0.21001209	2.8031082	21	7 26.8	18.5
98973 2001 DB_{15}	15.9	X	14.37523	162.69464	324.39381	4.65950	0.1488580	0.24112877	2.5564464	21	—	—
98974 2001 DY_{15}	15.7	X	119.75917	66.69287	27.01791	7.12831	0.1560931	0.25205678	2.4820115	21	4 21.3	19.1
98975 2001 DY_{16}	15.2	X	213.26607	96.01874	95.59558	6.68298	0.1068699	0.22614090	2.6681893	21	11 30.9	19.1
98976 2001 DZ_{18}	15.1	X	79.69420	134.17819	35.92342	7.94593	0.1814443	0.20507250	2.8479417	21	6 18.1	19.0
98977 2001 DF_{19}	14.6	X	41.71618	357.03165	102.38819	11.34025	0.1135069	0.19241871	2.9714689	21	1 9.6	18.0
98978 2001 DG_{19}	14.5	X	24.54876	229.48711	74.45712	9.96718	0.1436797	0.21429546	2.7656300	21	9 26.8	17.9
98979 2001 DB_{21}	15.5	X	53.89769	323.10706	120.11498	8.67599	0.1787241	0.24081714	2.5586514	21	—	—
98980 2001 DF_{21}	14.5	X	269.68653	114.14573	88.57565	9.60539	0.0560963	0.18573796	3.0423016	21	—	—
98981 2001 DQ_{21}	14.9	X	60.19134	295.21737	132.50775	16.86369	0.1697707	0.23902574	2.5714195	21	—	—
98982 2001 DS_{22}	14.9	X	153.33689	348.74161	330.97067	9.11847	0.0622623	0.18950782	3.0018198	21	—	—
98983 2001 DD_{25}	15.5	X	323.54688	296.18611	98.80640	4.92366	0.1054434	0.22311701	2.6922431	21	10 12.9	18.6
98984 2001 DK_{25}	14.4	X	179.15742	251.95559	340.84296	16.31239	0.0733727	0.17959740	3.1112579	21	12 6.7	19.4
98985 2001 DS_{25}	15.8	X	240.80906	115.82309	117.13010	3.24767	0.0677815	0.23584980	2.5944524	21	—	—
98986 2001 DB_{26}	15.8	X	94.37612	331.41260	95.74727	4.89640	0.1407894	0.24558577	2.5254217	21	2 11.1	18.7
98987 2001 DG_{26}	15.6	X	111.27594	259.83073	67.88757	4.83118	0.0133892	0.23226234	2.6210995	21	—	—
98988 2001 DY_{27}	14.7	X	77.65454	185.80610	60.10611	1.69580	0.2076828	0.16515652	3.2900732	21	9 23.7	19.4
98989 2001 DE_{31}	15.5	X	197.48994	116.56600	359.67232	6.83910	0.2154845	0.21587922	2.7520870	21	8 6.9	20.2
98990 2001 DA_{34}	15.8	X	286.47668	118.89769	26.41183	4.77243	0.1741242	0.23061287	2.6335831	21	—	—
98991 2001 DH_{35}	15.4	X	161.94550	271.06224	140.61996	2.75468	0.0685453	0.20470654	2.8513349	21	4 11.5	19.6
98992 2001 DV_{35}	16.0	X	285.66269	20.21061	196.69663	2.65922	0.1635090	0.23954135	2.5677282	21	—	—
98993 2001 DC_{36}	15.4	X	296.08766	46.18755	331.29228	4.48838	0.0085246	0.21645248	2.7472257	21	8 14.8	18.9
98994 2001 DK_{39}	15.5	X	339.69147	109.61265	312.88117	14.36483	0.1420775	0.23051284	2.6343449	21	12 19.7	18.5
98995 2001 DA_{41}	14.7	X	81.96669	338.60675	7.19977	16.09777	0.1336170	0.23041702	2.6350752	21	—	—
98996 2001 DF_{44}	15.3	X	105.80054	109.92474	154.82928	7.73142	0.0815070	0.22130328	2.7069329	21	11 9.5	19.3
98997 2001 DR_{45}	15.8	X	69.88464	243.68693	182.57428	1.25204	0.2591837	0.24323726	2.5416514	21	1 13.1	17.8
98998 2001 DU_{46}	15.6	X	252.23609	348.16171	248.59032	3.44838	0.1748263	0.23635729	2.5907373	21	—	—
98999 2001 DE_{48}	15.7	X	311.33954	110.27860	44.44380	5.00836	0.1995711	0.23738813	2.5832318	21	—	—
99000 2001 DU_{48}	14.6	X	191.80434	241.24165	14.02239	10.39469	0.0477826	0.18606354	3.0387515	21	—	—
99001 2001 DY_{49}	14.6	X	321.84701	78.75266	99.07230	13.69958	0.0601103	0.19212011	2.9745470	21	—	—
99002 2001 DN_{50}	14.6	X	183.80445	157.85515	85.05589	12.14156	0.0423425	0.18286681	3.0740632	21	12 27.9	19.1
99003 2001 DZ_{50}	15.0	X	308.76046	332.62057	78.77524	10.98462	0.1805081	0.22476913	2.6790343	21	10 6.5	18.0
99004 2001 DK_{51}	14.6	X	24.83633	40.53084	86.06023	11.67510	0.0956558	0.19456950	2.9495304	21	1 17.9	18.2
99005 2001 DH_{52}	15.2	X	26.19327	43.26897	37.32163	5.51613	0.1554174	0.24351659	2.5397074	21	—	—
99006 2001 DR_{52}	15.0	X	330.69167	28.19145	112.00758	14.39290	0.0890520	0.23881718	2.5729164	21	—	—
99007 2001 DS_{52}	14.3	X	286.01279	78.89598	105.22321	11.26461	0.0662869	0.18997744	2.9968708	21	—	—
99008 2001 DU_{52}	15.4	X	342.59131	117.63375	78.63508	5.91228	0.1517658	0.24589699	2.5232905	21	1 23.8	18.4
99009 2001 DD_{54}	14.9	X	338.95834	186.47380	359.41058	2.48931	0.1210504	0.19229256	2.9727683	21	1 21.9	18.7
99010 2001 DF_{54}	13.9	X	128.32979	112.09094	170.58720	26.31435	0.0604693	0.17602346	3.1532302	21	12 15.9	19.1
99011 2001 DO_{59}	15.2	X	349.83740	175.37758	298.96120	12.54859	0.1143177	0.23629829	2.5911686	21	—	—
99012 2001 DU_{59}	14.9	X	203.68542	355.62964	117.29728	14.69700	0.1362514	0.22056691	2.7129543	21	8 11.5	19.2
99013 2001 DX_{64}	14.5	X	117.42067	347.00697	314.86132	7.13855	0.2972012	0.22696950	2.6616915	21	—	—
99014 2001 DG_{65}	15.0	X	351.17987	70.20223	332.91517	11.24257	0.0518441	0.22711100	2.6605858	21	12 1.7	18.6
99015 2001 DM_{65}	14.4	X	201.74617	320.68553	325.21193	8.29197	0.1117496	0.18855851	3.0118866	21	—	—
99016 2001 DP_{65}	15.4	X	153.35700	196.30879	179.45056	1.92113	0.0188296	0.19582314	2.9369286	21	2 11.1	19.5
99017 2001 DY_{66}	14.7	X	146.96419	293.49311	344.12612	8.28956	0.0254499	0.18106848	3.0943836	21	12 29.2	19.3
99018 2001 DY_{68}	15.6	X	5.36272	11.23970	172.55055	6.95315	0.2008054	0.24478774	2.5309075	21	2 5.4	17.9
99019 2001 DK_{73}	15.6	X	170.48897	142.30199	342.51105	3.83587	0.0142168	0.21130472	2.7916647	21	7 22.7	19.5
99020 2001 DU_{75}	14.7	X	152.83619	299.78784	312.77080	4.07409	0.0852948	0.17728343	3.1382723	21	12 4.3	19.5
99021 2001 DX_{78}	14.9	X	133.07020	197.51855	47.38608	11.31509	0.2025881	0.22040044	2.7143202	21	11 14.9	19.4
99022 2001 DR_{88}	15.6	X	50.51298	244.89440	29.94992	1.69371	0.1966844	0.21192962	2.7861742	21	9 29.7	19.2
99023 2001 DV_{88}	14.5	X	5.14981	254.31098	164.10789	22.04857	0.0150324	0.17991185	3.1076316	21	12 28.7	19.3
99024 2001 DO_{90}	15.1	X	91.53667	329.19582	299.43805	11.77006	0.1385012	0.21725324	2.7404710	21	10 27.6	19.5
99025 2001 DG_{92}	15.4	X	226.83754	200.89861	2.36336	4.63866	0.1681532	0.22716111	2.6601945	21	12 22.1	19.1
99026 2001 DX_{92}	14.8	X	86.10155	135.04189	155.15022	11.86621	0.0251510	0.17552661	3.1591779	21	11 6.3	19.5
99027 2001 DB_{95}	15.5	X	93.95264	340.37942	45.22433	5.40391	0.2247338	0.24289355	2.5440485	21	—	—
99028 2001 DC_{98}	15.2	X	325.30567	310.43969	141.51693	5.50797	0.2019876	0.23108870	2.6299666	21	—	—
99029 2001 DP_{98}	15.4	X	284.40169	290.53304	308.70609	13.04702	0.1159576	0.24171012	2.5523457	21	1 12.0	19.1
99030 2001 DU_{98}	15.2	X	300.35535	157.87062	307.29134	13.16572	0.1332782	0.22902638	2.6457312	21	12 4.5	18.3
99031 2001 DW_{98}	14.6	X	212.75243	212.89337	309.06264	12.22867	0.1108604	0.22300043	2.6931813	21	10 16.4	18.9
99032 2001 DJ_{100}	15.3	X	211.91767	320.19841	232.52797	0.61007	0.0844077	0.17941669	3.1133467	21	11 24.9	19.8
99033 2001 DQ_{101}	15.2	X	174.67058	252.15552	15.90468	10.50816	0.2027813	0.23061293	2.6335826	21	—	—
99034 2001 DD_{109}	14.6	X	60.12390	350.41615	347.52473	13.62859	0.1632476	0.22427967	2.6829306	21	12 28.1	18.7
99035 2001 EX	15.9	X	13.36483	126.59884	352.82094	12.24237	0.1704267	0.24138172	2.5546602	21	—	—
99036 2001 EV_{2}	15.2	X	229.79661	75.41767	108.55096	12.06298	0.2231581	0.22633658	2.6666512	21	11 27.5	19.3
99037 2001 EW_{2}	15.0	X	272.17221	62.30532	83.16902	15.09431	0.1390193	0.22819745	2.6521344	21	12 12.8	17.9
99038 2001 EJ_{3}	15.4	X	227.18143	151.95747	338.36913	13.86687	0.1502202	0.21898246	2.7260249	21	9 20.6	19.6
99039 2001 EB_{4}	14.6	X	157.30783	63.57844	351.24440	14.81180	0.1065502	0.20199267	2.8768175	21	4 7.4	19.1
99040 2001 EF_{5}	15.1	X	254.38922	78.96849	152.58290	13.91728	0.1194986	0.23496055	2.6009944	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
99041 2001 EQ_5	15.1	X	42.54035	160.96933	94.73929	5.13045	0.0522376	0.21013626	2.8020038	21	8 1.8	18.7
99042 2001 EW_5	15.1	X	118.83940	204.05299	22.52186	9.72407	0.0610089	0.21658205	2.7461299	21	10 3.9	18.9
99043 2001 EX_7	15.8	X	230.16969	94.09017	151.58191	8.48536	0.1327699	0.23288777	2.6164047	21	—	—
99044 2001 EA_8	15.9	X	255.72813	98.84125	88.88826	2.94328	0.0901750	0.23009801	2.6375102	21	—	—
99045 2001 EQ_8	15.7	X	178.67065	123.67101	103.19534	2.93154	0.0971939	0.22442959	2.6817357	21	12 7.2	19.7
99046 2001 ET_{10}	15.0	X	245.79373	53.33967	119.33992	2.63973	0.0642644	0.17814786	3.1281121	21	12 11.9	19.5
99047 2001 EG_{13}	15.7	X	111.46814	236.39912	66.37891	23.88032	0.0480753	0.37151289	1.9164028	21	—	—
99048 2001 EP_{13}	15.2	X	308.75977	156.85357	127.85435	2.89368	0.0308426	0.20188322	2.8778571	21	4 27.8	19.0
99049 2001 EX_{13}	15.5	X	327.48762	113.90731	41.04691	11.28502	0.1875223	0.23797187	2.5790057	21	—	—
99050 2001 EG_{14}	14.4	X	67.34692	8.78486	43.45018	14.57314	0.0346777	0.18752724	3.0229188	21	—	—
99051 2001 EE_{15}	15.1	X	192.77290	111.12719	128.39683	15.49122	0.0557792	0.22758039	2.6569262	21	—	—
99052 2001 ET_{15}	15.4	X	145.43438	143.93443	86.36526	9.60952	0.0856135	0.21842414	2.7306683	21	11 9.4	19.6
99053 2001 EU_{15}	15.3	X	200.55758	0.52590	119.93373	9.11951	0.1683201	0.21328647	2.7743453	21	8 15.8	19.7
99054 2001 EV_{15}	14.2	X	66.75645	183.19270	106.59362	9.36377	0.1951261	0.21359129	2.7717051	21	11 10.6	18.3
99055 2001 ES_{16}	15.4	X	204.40286	306.91813	274.02877	1.91953	0.1416703	0.22657050	2.6648155	21	12 22.7	19.2
99056 2001 EE_{20}	15.6	X	271.84386	271.46968	150.93017	2.63892	0.2220744	0.21992255	2.7182509	21	8 8.9	19.3
99057 2001 EL_{21}	15.6	X	81.40680	93.05843	321.38540	11.96320	0.0863752	0.24011059	2.5636683	21	—	—
99058 2001 ET_{23}	16.2	X	218.12124	355.67819	202.98610	1.76321	0.1364104	0.22644993	2.6657613	21	12 10.8	20.1
99059 2001 EM_{24}	13.7	X	127.14815	290.46574	36.90273	22.52075	0.0951446	0.17920415	3.1158079	21	—	—
99060 2001 ET_{25}	15.4	X	337.14457	257.04547	226.37643	6.44981	0.0883068	0.23657051	2.5891804	21	—	—
99061 2001 EB_{26}	16.3	X	7.56454	280.07804	181.66125	2.24978	0.1581125	0.23649897	2.5897025	21	—	—
99062 2001 FQ	15.1	X	349.13500	3.68852	101.64504	11.56641	0.1960851	0.23388329	2.6089750	21	—	—
99063 2001 FZ_1	14.6	X	163.74280	354.91175	154.55502	9.77711	0.2383753	0.21226883	2.7832053	21	8 17.6	19.4
99064 2001 FT_2	15.7	X	285.22973	318.12298	199.59768	3.82236	0.1359502	0.23142471	2.6274204	21	—	—
99065 2001 FA_3	14.9	X	104.59431	234.96345	154.76491	10.69409	0.0962296	0.19027284	2.9937682	21	1 11.6	19.1
99066 2001 FB_5	15.3	X	99.79689	259.80796	1.27171	7.49240	0.1671668	0.21768495	2.7368466	21	11 1.2	19.7
99067 2001 FN_5	14.5	X	173.97884	131.90710	1.55208	24.73983	0.0734743	0.21138766	2.7909344	21	8 18.6	19.0
99068 2001 FZ_7	15.5	X	313.31306	319.89695	175.43041	12.59654	0.1609278	0.23214044	2.6220171	21	—	—
99069 2001 FB_8	15.4	X	265.05767	261.79503	345.35471	3.95526	0.2014961	0.23612252	2.5924543	21	—	—
99070 Strittmatter	14.0	X	117.61033	240.53339	2.27899	10.98722	0.0488140	0.16913151	3.2383195	21	10 12.8	18.9
99071 2001 FK_{11}	14.6	X	301.22639	165.99183	6.08494	11.48267	0.0660518	0.18514234	3.0488230	21	—	—
99072 2001 FO_{12}	15.6	X	289.62512	117.21547	17.76833	11.80502	0.1425903	0.22829266	2.6513970	21	12 26.8	18.8
99073 2001 FX_{12}	15.6	X	113.72964	151.47250	154.10289	4.94791	0.0739508	0.22516747	2.6758738	21	—	—
99074 2001 FU_{14}	15.0	X	224.82839	52.78887	187.64485	11.19393	0.1545823	0.23049447	2.6344849	21	—	—
99075 2001 FZ_{14}	15.3	X	79.94587	338.44429	346.48747	2.31807	0.0698432	0.22354770	2.6887840	21	12 21.5	19.2
99076 2001 FT_{15}	16.1	X	27.71728	114.44529	8.93070	12.55440	0.2243993	0.24112104	2.5565011	21	—	—
99077 2001 FV_{15}	15.2	X	76.89595	61.53022	169.70652	5.37934	0.0589757	0.20987017	2.8043717	21	8 15.9	18.9
99078 2001 FF_{16}	14.9	X	106.99166	189.41459	10.19980	10.57995	0.1080073	0.20969411	2.8059411	21	8 23.8	19.1
99079 2001 FH_{16}	14.4	X	317.20439	53.80399	12.36956	9.89891	0.0838279	0.17338896	3.1850903	21	10 31.5	18.6
99080 2001 FV_{16}	15.4	X	181.07310	4.19450	182.23553	10.96086	0.0861660	0.21855937	2.7295419	21	10 22.5	19.6
99081 2001 FR_{21}	14.4	X	355.81588	16.76949	80.07726	8.91921	0.1131137	0.18133716	3.0913262	21	—	—
99082 2001 FA_{23}	14.5	X	335.07456	285.92288	193.28326	15.72558	0.1153360	0.18119732	3.0929165	21	—	—
99083 2001 FC_{25}	15.6	X	286.32929	190.79547	351.97681	3.50888	0.1866197	0.23226848	2.6210534	21	—	—
99084 2001 FL_{26}	14.9	X	124.05659	276.15926	297.52905	4.46495	0.1871241	0.21330950	2.7741456	21	9 28.3	19.5
99085 2001 FO_{26}	14.7	X	339.06874	309.99211	214.44736	8.36414	0.2201322	0.18953119	3.0015731	21	—	—
99086 2001 FQ_{29}	14.5	X	315.19184	60.33467	47.75182	13.78585	0.0590722	0.17858361	3.1230216	21	12 23.3	18.7
99087 2001 FV_{29}	15.1	X	0.77655	144.24579	301.79664	13.92523	0.0100762	0.23212735	2.6221156	21	—	—
99088 2001 FK_{33}	15.0	X	315.68261	26.54282	174.77773	5.77958	0.1106438	0.19276217	2.9679382	21	1 10.1	19.1
99089 2001 FR_{33}	14.5	X	331.58113	242.18687	297.72057	8.15403	0.0933283	0.19246979	2.9709431	21	1 7.9	18.3
99090 2001 FG_{34}	15.5	X	14.36000	279.22074	161.26357	4.12727	0.2032316	0.23577666	2.5949890	21	—	—
99091 2001 FC_{37}	15.2	X	199.60533	307.79352	178.98742	14.40270	0.1334866	0.21634751	2.7481143	21	8 21.3	19.7
99092 2001 FR_{37}	14.3	X	148.11918	203.63296	2.92303	13.45020	0.0359637	0.16962438	3.2320435	21	10 3.4	18.9
99093 2001 FU_{37}	15.0	X	167.74908	307.14066	335.71638	14.21016	0.0432290	0.23126866	2.6286022	21	—	—
99094 2001 FE_{38}	15.4	X	198.06040	262.79350	336.30158	10.99626	0.1453537	0.22788415	2.6545646	21	—	—
99095 2001 FF_{39}	15.0	X	35.95486	319.46054	351.80643	4.25776	0.0782624	0.21658539	2.7461017	21	10 8.3	18.5
99096 2001 FU_{42}	14.5	X	288.64727	142.87077	66.20963	1.82970	0.1343981	0.18698271	3.0287848	21	—	—
99097 2001 FJ_{44}	15.0	X	73.54308	112.19455	343.85631	13.03498	0.1551931	0.24365755	2.5387278	21	2 20.5	17.6
99098 2001 FK_{45}	14.5	X	286.31326	3.28126	168.37790	0.17532	0.1728181	0.18268326	3.0761220	21	—	—
99099 2001 FH_{46}	14.6	X	132.21768	178.01810	14.90721	17.57001	0.1664723	0.21209232	2.7847492	21	9 16.6	19.2
99100 2001 FM_{49}	14.9	X	302.55003	28.50164	296.82666	1.33660	0.0437924	0.20591182	2.8401974	21	6 8.7	18.6
99101 2001 FY_{49}	14.7	X	21.54821	136.16850	0.42518	14.44805	0.1122731	0.23932987	2.5692406	21	1 16.1	17.8
99102 2001 FK_{50}	14.4	X	307.96224	154.37158	5.78317	13.51929	0.1126431	0.23192579	2.6236346	21	—	—
99103 2001 FO_{50}	15.9	X	194.15089	292.99912	298.14553	2.53939	0.2477592	0.22343735	2.6896692	21	12 15.9	20.4
99104 2001 FZ_{52}	15.6	X	228.07266	290.68715	329.15391	6.75283	0.1784054	0.23308501	2.6149285	21	—	—
99105 2001 FJ_{53}	15.5	X	262.73367	162.24971	54.91813	3.20273	0.1349699	0.23158855	2.6261810	21	—	—
99106 2001 FA_{54}	14.8	X	245.49775	138.83325	35.96845	13.54280	0.1170015	0.22393521	2.6856812	21	12 13.8	18.5
99107 2001 FX_{54}	15.1	X	113.98861	96.73335	168.48434	6.44375	0.1594521	0.21801496	2.7340840	21	11 22.5	19.5
99108 2001 FM_{55}	14.1	X	275.08068	290.15260	213.35064	22.58861	0.2003821	0.17686277	3.1432465	21	11 24.3	18.3
99109 2001 FW_{55}	15.0	X	326.22882	207.93696	259.29932	4.84004	0.2396036	0.23179334	2.6246340	21	—	—
99110 2001 FL_{56}	15.7	X	274.60697	264.82275	315.61116	6.10633	0.1483078	0.23520523	2.5991902	21	—	—
99111 2001 FN_{61}	15.5	X	42.25830	216.78672	15.91738	11.16771	0.1721774	0.25402915	2.4691474	21	7 20.7	18.3
99112 2001 FP_{62}	15.0	X	317.76011	357.79375	35.00188	5.84575	0.1248510	0.21853153	2.7297737	21	9 26.8	18.0
99113 2001 FR_{62}	14.5	X	315.65214	356.40292	81.58379	4.15632	0.0174506	0.17534217	3.1613928	21	11 20.0	18.9
99114 2001 FN_{63}	15.6	X	189.48251	124.49120	150.90515	5.08303	0.0379432	0.23223076	2.6213372	21	—	—
99115 2001 FF_{65}	15.3	X	54.34342	164.40849	129.80299	6.17766	0.0166688	0.21635058	2.7480883	21	10 6.0	19.0
99116 2001 FG_{67}	15.3	X	335.07072	339.51461	125.01575	3.71095	0.1351847	0.23079209	2.6322195	21	—	—
99117 2001 FB_{68}	15.8	X	149.69832	188.79267	30.47490	8.70961	0.1743269	0.21771086	2.7366294	21	10 28.8	20.3
99118 2001 FO_{68}	15.2	X	231.77945	271.09056	163.51602	13.33752	0.1896037	0.21306347	2.7762808	21	7 14.9	19.9
99119 2001 FF_{69}	14.8	X	43.51391	306.26689	159.33702	8.77783	0.1144880	0.19077580	2.9885041	21	1 19.8	18.4
99120 2001 FH_{73}	15.6	X	150.63339	113.64242	60.70924	5.78533	0.0941789	0.21179596	2.7873463	21	9 6.1	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
99121 2001 FK_{74}	14.2	X	352.60115	170.58135	25.38948	23.22652	0.0445417	0.24185437	2.5513307	21	3 6.9	17.8
99122 2001 FQ_{75}	15.5	X	325.49916	336.11017	124.28334	4.90358	0.0129832	0.22618909	2.6678103	21	—	—
99123 2001 FB_{78}	14.1	X	225.06532	259.34985	42.70466	11.15285	0.1054214	0.18702767	3.0282994	21	2 9.3	19.0
99124 2001 FW_{79}	14.9	X	114.34598	303.30453	257.82706	7.10325	0.1194542	0.21025098	2.8009844	21	8 27.4	19.2
99125 2001 FV_{80}	15.5	X	249.94464	199.78259	313.59681	5.25656	0.2499634	0.22468087	2.6797358	21	11 2.9	19.3
99126 2001 FV_{81}	14.7	X	309.13516	129.26745	329.42248	13.97827	0.0649397	0.22600862	2.6692303	21	12 14.6	18.2
99127 2001 FR_{87}	15.0	X	232.18252	344.05469	72.51123	5.79155	0.1030615	0.20886955	2.8133210	21	7 1.5	19.2
99128 2001 FJ_{93}	14.3	X	176.57151	182.43703	27.14510	10.08557	0.0590502	0.17458752	3.1704963	21	11 7.3	19.1
99129 2001 FT_{96}	15.6	X	352.81658	2.02961	95.33206	6.15929	0.2467719	0.23379447	2.6096358	21	—	—
99130 2001 FL_{97}	15.1	X	316.41994	19.51251	160.64770	13.19671	0.2003220	0.23598840	2.5934364	21	—	—
99131 2001 FN_{97}	15.5	X	29.28815	152.18375	123.43938	1.37554	0.0265466	0.21044083	2.7992996	21	8 6.1	19.0
99132 2001 FK_{98}	15.4	X	142.81497	106.05303	92.08643	10.75498	0.1401852	0.21425194	2.7660045	21	10 2.3	20.0
99133 2001 FQ_{98}	14.6	X	136.22869	107.60728	163.60276	12.05209	0.1957495	0.21992720	2.7182126	21	12 18.9	19.4
99134 2001 FF_{99}	15.7	X	187.19698	72.03317	144.76951	3.13900	0.1638778	0.22299674	2.6932110	21	11 29.3	20.0
99135 2001 FK_{99}	14.9	X	116.51759	258.35830	148.43429	14.87992	0.1257827	0.24090259	2.5580463	21	2 11.8	18.3
99136 2001 FN_{99}	15.3	X	230.11245	109.30075	123.29427	10.65569	0.1032420	0.23037643	2.6353847	21	—	—
99137 2001 FH_{101}	15.3	X	89.82351	287.96691	299.01837	11.79480	0.1221187	0.21205836	2.7850465	21	8 31.8	19.5
99138 2001 FV_{101}	14.4	X	306.89940	251.27930	288.95440	8.51705	0.1443544	0.18787124	3.0192276	21	—	—
99139 2001 FX_{103}	15.1	X	131.19977	257.73608	327.47731	9.27650	0.2002475	0.21718564	2.7410396	21	10 17.2	19.8
99140 2001 FM_{104}	15.4	X	325.23749	262.06128	43.99602	6.26880	0.0494921	0.20648305	2.8349568	21	6 13.9	19.2
99141 2001 FQ_{104}	14.5	X	212.41093	8.51725	150.61464	14.23301	0.0314054	0.17254471	3.1954715	21	10 25.3	19.3
99142 2001 FK_{106}	14.9	X	347.51002	224.66413	115.67922	6.83792	0.0137142	0.21504754	2.7591781	21	9 5.9	18.5
99143 2001 FS_{108}	15.3	X	306.93436	295.97756	73.94086	1.62486	0.0865686	0.21276222	2.7789007	21	8 10.1	18.7
99144 2001 FE_{113}	15.2	X	182.45898	129.19067	103.44440	4.98107	0.1594358	0.22348919	2.6892532	21	12 13.7	19.4
99145 2001 FL_{113}	14.3	X	194.54525	153.13720	56.47491	10.22663	0.0518122	0.17479464	3.1679913	21	11 27.9	19.0
99146 2001 FH_{117}	14.6	X	323.87203	74.79096	25.37732	22.87966	0.1544839	0.22740018	2.6583297	21	—	—
99147 2001 FP_{117}	14.9	X	194.58298	183.40058	68.90190	8.39506	0.1387783	0.17792788	3.1306898	21	—	—
99148 2001 FO_{121}	14.8	X	11.51690	350.53901	33.47098	15.14516	0.0137237	0.22418885	2.6836551	21	11 29.6	18.6
99149 2001 FH_{123}	14.9	X	315.07374	158.82965	238.10894	2.93771	0.0985628	0.21757690	2.7377526	21	9 26.7	18.1
99150 2001 FT_{127}	15.4	X	211.07417	256.75840	189.82671	3.35634	0.0688964	0.20996397	2.8035364	21	7 18.5	19.5
99151 2001 FP_{128}	14.3	X	68.70477	334.20162	33.23126	14.87019	0.1120460	0.22843550	2.6502915	21	—	—
99152 2001 FV_{128}	15.3	X	342.07670	70.03584	6.02466	22.15421	0.0531970	0.22865207	2.6486178	21	—	—
99153 2001 FH_{129}	15.4	X	186.72985	135.22950	86.93110	5.00614	0.1452760	0.22141724	2.7060040	21	12 5.9	19.6
99154 2001 FU_{129}	15.5	X	247.92229	249.05966	341.60178	11.30801	0.0998452	0.23426604	2.6061325	21	—	—
99155 2001 FV_{129}	14.3	X	147.82814	29.89994	338.16666	15.08541	0.1419201	0.24122327	2.5557787	21	2 5.4	18.0
99156 2001 FQ_{131}	15.2	X	265.68829	158.15689	308.62521	8.93987	0.0930786	0.22113600	2.7082978	21	10 14.1	18.9
99157 2001 FR_{131}	15.3	X	111.20056	32.25916	232.51764	8.66477	0.1702220	0.21790700	2.7349870	21	11 18.8	19.7
99158 2001 FA_{132}	14.6	X	175.79511	303.46055	272.09059	8.20179	0.1406956	0.17288100	3.1913262	21	11 10.5	19.9
99159 2001 FK_{134}	14.4	X	251.50025	234.46463	40.16858	13.99586	0.0972281	0.18826266	3.0150412	21	2 4.1	19.2
99160 2001 FZ_{134}	15.3	X	38.34081	225.45415	266.76664	12.04272	0.1017302	0.24384370	2.5374356	21	1 29.4	18.2
99161 2001 FG_{136}	14.3	X	199.14708	103.30171	123.29270	12.87359	0.0738178	0.17634296	3.1494203	21	12 22.4	19.0
99162 2001 FH_{136}	14.4	X	120.70502	345.11484	66.00926	16.58690	0.1224069	0.19259170	2.9696892	21	3 11.2	19.0
99163 2001 FO_{140}	15.5	X	253.82401	355.71683	107.34814	6.06604	0.1206414	0.21940832	2.7224965	21	9 27.2	19.3
99164 2001 FX_{144}	14.1	X	266.48828	273.32046	203.30703	31.89935	0.0349901	0.17041118	3.2220875	21	11 2.8	18.7
99165 2001 FF_{148}	14.5	X	67.45076	86.41472	326.36285	13.32875	0.1035089	0.23534248	2.5981796	21	—	—
99166 2001 FL_{148}	15.6	X	221.90000	242.95637	330.71809	13.83186	0.1717510	0.22695648	2.6617933	21	12 30.9	19.7
99167 2001 FX_{151}	13.6	X	77.82291	124.82763	74.68569	17.29856	0.1859907	0.15767959	3.3932750	21	7 27.0	18.6
99168 2001 FN_{152}	15.4	X	112.77455	205.93605	99.86227	5.75386	0.0787733	0.22661705	2.6644505	21	—	—
99169 2001 FY_{152}	15.1	X	289.32479	167.16264	121.73849	6.73272	0.2450450	0.19398322	2.9554704	21	3 11.9	19.6
99170 2001 FT_{159}	16.1	X	231.59863	31.94626	168.62745	2.30518	0.1716705	0.22621488	2.6676075	21	12 23.6	19.7
99171 2001 FW_{159}	15.6	X	43.07240	300.16517	191.59909	3.77540	0.2012691	0.24276234	2.5449651	21	2 12.7	17.8
99172 2001 FG_{160}	15.2	X	353.32750	62.15268	328.28729	5.46877	0.0287866	0.22194227	2.7017347	21	11 15.8	18.8
99173 2001 FS_{161}	15.1	X	194.40092	77.58397	116.78799	11.36010	0.1608725	0.21990735	2.7183761	21	11 12.4	19.6
99174 2001 FR_{163}	14.5	X	287.70706	339.78814	124.09769	11.53722	0.0470276	0.17634131	3.1494400	21	11 16.8	19.0
99175 2001 FY_{163}	15.4	X	345.20291	247.85045	138.74095	1.85632	0.0941581	0.22001958	2.7174517	21	11 4.4	18.4
99176 2001 FF_{164}	14.5	X	198.11564	341.76417	221.88460	8.55173	0.0432427	0.17505312	3.1648719	21	11 26.5	19.1
99177 2001 FN_{172}	15.3	X	132.17356	106.04708	94.95612	12.74268	0.0874195	0.21329272	2.7742911	21	9 23.4	19.7
99178 2001 FR_{172}	14.6	X	25.16223	28.54879	104.84399	14.58541	0.1213119	0.19087122	2.9875081	21	1 27.7	18.1
99179 2001 FP_{175}	14.5	X	164.10023	302.15497	104.54635	13.09428	0.0559107	0.19663112	2.9288776	21	4 13.1	19.0
99180 2001 FJ_{176}	14.3	X	136.24584	157.54949	72.38532	10.52050	0.0425861	0.17043373	3.2218033	21	10 23.8	19.1
99181 2001 FV_{176}	15.8	X	86.56940	302.13502	105.89036	11.16285	0.0920963	0.28570031	2.2831209	21	—	—
99182 2001 FW_{178}	14.5	X	63.93845	292.89825	115.44019	15.21719	0.0927903	0.23386274	2.6091279	21	—	—
99183 2001 FB_{180}	14.5	X	84.94116	337.29614	75.68913	10.89663	0.0756038	0.18976198	2.9991389	21	1 13.3	18.5
99184 2001 FH_{188}	15.3	X	266.92389	118.91508	132.17164	13.23132	0.1442577	0.23945498	2.5683457	21	1 5.0	19.4
99185 2001 FQ_{188}	15.3	X	221.87864	158.43125	121.67214	10.07195	0.1023452	0.23793255	2.5792898	21	—	—
99186 2001 FO_{189}	16.1	X	195.26913	228.50219	309.05715	1.69963	0.0495469	0.22145214	2.7057196	21	10 27.6	19.9
99187 2001 FP_{189}	14.8	X	133.34115	152.35379	96.68072	3.92232	0.0480159	0.17304154	3.1893521	21	11 10.1	19.6
99188 2001 FQ_{190}	15.7	X	78.74346	331.56219	290.64147	6.92668	0.1794622	0.21393682	2.7687199	21	10 11.8	20.0
99189 2001 FV_{190}	15.6	X	266.27071	341.84417	114.74301	8.46249	0.0551781	0.22131451	2.7068413	21	10 16.4	19.3
99190 2001 FP_{193}	15.1	X	48.16828	207.07009	102.70262	7.26199	0.0635428	0.21822361	2.7323409	21	10 25.9	18.8
99191 2001 FF_{194}	14.2	X	164.82677	120.33950	78.33935	16.92915	0.0733223	0.17276078	3.1928066	21	10 21.9	19.3
99192 2001 GD_{4}	15.0	X	248.01386	170.28184	61.46239	14.31486	0.0967601	0.23175703	2.6249081	21	—	—
99193 Obsfabra	14.4	X	233.29283	160.08596	114.04277	15.29913	0.3266970	0.18312681	3.0711529	21	1 5.5	20.2
99194 2001 GC_{5}	14.7	X	192.98396	134.66028	70.46368	15.29727	0.0363840	0.22042164	2.7141462	21	11 30.4	18.6
99195 2001 GH_{5}	14.3	X	259.72226	96.64284	27.44954	22.16407	0.0457144	0.22244778	2.6976400	21	11 5.1	18.0
99196 2001 GN_{8}	15.2	X	185.97431	139.41063	57.74875	16.52375	0.0999035	0.21895641	2.7262412	21	11 9.3	19.4
99197 2001 GL_{10}	15.2	X	357.75845	112.05410	321.64252	1.56523	0.0274811	0.22662226	2.6644097	21	—	—
99198 2001 HN_{3}	14.3	X	267.66042	126.62007	176.00914	3.38559	0.1651032	0.19090330	2.9871734	21	3 13.5	18.9
99199 2001 HW_{11}	14.6	X	38.83360	173.38704	309.88140	4.05081	0.1444522	0.19174262	2.9784498	21	2 5.7	17.7
99200 2001 HF_{15}	15.5	X	115.63925	304.43549	263.25528	3.35377	0.0979194	0.21133363	2.7914101	21	9 5.9	19.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
99201 Sattler	15.0	X	81.29002	150.31207	145.39318	14.86891	0.0927494	0.21550926	2.7552357	21	11 22.4	19.3
99202 2001 HR_{18}	13.5	X	117.34658	267.76848	58.45976	22.24287	0.2760145	0.17153286	3.2080257	21	—	—
99203 2001 HA_{20}	14.5	X	261.38707	38.49786	127.43387	21.33692	0.1601462	0.17750436	3.1356677	21	12 12.9	19.1
99204 2001 HE_{20}	14.3	X	179.10082	188.10790	143.70833	22.24806	0.0889533	0.18214501	3.0821791	21	1 26.0	19.1
99205 2001 HL_{22}	15.2	X	288.56151	64.06410	91.84598	14.00260	0.2269048	0.22856604	2.6492824	21	—	—
99206 2001 HH_{25}	15.5	X	132.91870	158.11863	31.82940	4.31241	0.0359916	0.21002497	2.8029935	21	9 1.4	19.5
99207 2001 HR_{27}	16.0	X	130.54783	128.94357	66.48257	2.24039	0.1331893	0.25879390	2.4387467	21	9 15.4	19.5
99208 2001 HX_{27}	14.2	X	186.48921	247.64062	49.00745	11.79913	0.0718043	0.17987370	3.1080710	21	—	—
99209 2001 HZ_{28}	15.5	X	245.02051	163.03047	61.08723	3.51982	0.2315132	0.22771032	2.6559154	21	—	—
99210 2001 HK_{32}	15.6	X	227.59506	276.48495	215.79124	8.43685	0.1777151	0.21757437	2.7377737	21	9 21.7	20.0
99211 2001 HD_{37}	15.0	X	175.56056	188.45531	64.76990	13.31375	0.1213716	0.22111523	2.7084674	21	—	—
99212 2001 HD_{38}	14.5	X	151.66340	107.39850	104.75624	11.04271	0.2158752	0.21413421	2.7670181	21	10 27.3	19.4
99213 2001 HL_{38}	15.2	X	138.05046	69.96357	133.37588	7.45682	0.2266654	0.21137751	2.7910237	21	10 4.3	20.0
99214 2001 HF_{41}	15.0	X	349.47843	32.77096	167.47372	13.14004	0.2255905	0.24044986	2.5612563	21	1 26.9	17.9
99215 2001 HU_{45}	14.5	X	182.87013	270.34135	85.56368	11.40150	0.0643113	0.19092416	2.9869558	21	3 2.2	19.1
99216 2001 HG_{48}	15.2	X	306.41370	80.32492	138.73267	14.30793	0.1227851	0.23892680	2.5721294	21	1 9.8	18.8
99217 2001 HJ_{48}	15.3	X	353.72121	357.89320	135.77993	14.91643	0.1203457	0.23557777	2.5964493	21	—	—
99218 2001 HV_{50}	15.1	X	109.64704	251.77296	333.32080	11.63227	0.0805555	0.21319366	2.7751504	21	9 18.3	19.2
99219 2001 HY_{53}	13.8	X	212.11941	149.65307	91.19894	22.75489	0.0599370	0.17743812	3.1364480	21	—	—
99220 2001 HE_{54}	14.7	X	109.26960	59.39145	129.21857	19.15744	0.1509970	0.20548193	2.8441574	21	8 13.4	19.1
99221 2001 HP_{55}	15.1	X	121.91382	96.57669	143.93224	8.13649	0.1720077	0.21298898	2.7769280	21	11 1.9	19.7
99222 2001 HQ_{55}	15.1	X	132.15647	100.14749	146.13174	8.24485	0.1929638	0.21495658	2.7599564	21	11 17.8	19.8
99223 2001 HJ_{57}	15.1	X	326.09010	0.19482	101.69006	13.98995	0.2148893	0.22904873	2.6455591	21	—	—
99224 2001 HC_{58}	14.8	X	84.83430	61.16106	59.82605	17.62283	0.0444402	0.19662856	2.9289030	21	4 10.3	19.0
99225 2001 HX_{59}	15.2	X	234.53841	268.21669	214.23932	10.40291	0.1083489	0.21665164	2.7455418	21	9 24.6	19.2
99226 2001 HO_{60}	15.1	X	121.26388	88.64245	121.10862	12.26550	0.1144415	0.21035142	2.8000928	21	9 22.5	19.5
99227 2001 HR_{60}	13.5	X	296.89264	354.52027	86.08807	24.78446	0.0812374	0.16822656	3.2499226	21	11 3.1	18.2
99228 2001 HJ_{62}	15.4	X	182.12456	262.23092	293.19635	6.41710	0.1407703	0.21811838	2.7332197	21	10 27.5	19.8
99229 2001 HK_{63}	14.8	X	336.80223	313.11451	9.17277	4.75467	0.3858315	0.20036113	2.8924136	21	6 11.9	17.1
99230 2001 KL	15.9	X	122.44987	42.76109	195.39322	1.66086	0.1688425	0.21296176	2.7771647	21	10 27.7	20.3
99231 2001 KC_{1}	14.6	X	240.92608	104.22079	58.15251	6.49005	0.1133915	0.17264333	3.1942544	21	11 16.5	19.2
99232 2001 KP_{4}	14.5	X	320.26168	30.47006	232.70402	9.42680	0.0661530	0.19332900	2.9621340	21	4 7.9	18.5
99233 2001 KJ_{7}	13.6	X	249.04359	310.32673	265.09045	19.87824	0.2793413	0.17620616	3.1510502	21	—	—
99234 2001 KU_{13}	15.9	X	73.56495	228.91542	93.56800	2.38486	0.1924851	0.26340211	2.4102192	21	12 31.8	19.6
99235 2001 KU_{29}	14.4	X	347.68098	84.74634	68.47580	12.67885	0.0252157	0.18325716	3.0696964	21	1 6.6	18.7
99236 2001 KV_{31}	14.4	X	144.15126	123.29902	84.70537	25.87602	0.2258259	0.21218277	2.7839577	21	10 25.2	19.7
99237 2001 KD_{33}	15.0	X	146.10329	278.18590	269.83960	5.70679	0.1558902	0.20969677	2.8059174	21	9 14.4	19.6
99238 2001 KQ_{35}	14.6	X	247.71935	178.65509	102.38633	8.96280	0.1667379	0.18335553	3.0685983	21	1 30.8	19.6
99239 2001 KX_{36}	14.8	X	269.41337	23.30687	208.88303	4.41526	0.1176628	0.18194127	3.0844796	21	—	—
99240 2001 KH_{37}	14.3	X	161.01579	224.19700	96.79343	8.75055	0.1135259	0.17672637	3.1448636	21	—	—
99241 2001 KV_{51}	14.3	X	329.90054	66.11840	66.28094	14.42436	0.0711296	0.17946350	3.1128053	21	—	—
99242 2001 KG_{52}	15.1	X	169.71115	98.43532	63.84942	9.95490	0.0887334	0.21065154	2.7974326	21	9 13.3	19.5
99243 2001 KH_{54}	14.6	X	273.87472	19.36909	214.35991	9.33758	0.0101179	0.18405889	3.0607758	21	1 13.4	19.1
99244 2001 KV_{54}	14.1	X	67.82637	178.61412	113.05220	22.82672	0.1774762	0.21109089	2.7935496	21	11 17.0	18.6
99245 2001 KG_{61}	15.4	X	112.94045	137.64483	113.23016	8.88406	0.1733816	0.21426375	2.7659028	21	11 6.9	19.9
99246 2001 KY_{62}	15.1	X	245.46579	142.07784	196.87197	14.59078	0.1802232	0.23979481	2.5659185	21	3 29.4	19.1
99247 2001 KV_{65}	14.6	X	317.77215	61.06170	163.70288	15.72279	0.0374398	0.18892313	3.0080101	21	2 21.2	18.8
99248 2001 KY_{66}	16.5	X	255.99683	61.51535	284.14508	10.61264	0.5076399	0.38653633	1.8664191	21	3 14.1	20.6
99249 2001 KW_{70}	14.8	X	273.57291	174.21562	38.37822	5.99492	0.0995619	0.18138647	3.0907660	21	—	—
99250 2001 LH	13.9	X	278.36738	60.65049	97.57282	17.48388	0.2008050	0.17617828	3.1513827	21	12 17.5	17.9
99251 2001 LM	13.8	X	156.70066	220.22134	124.56288	9.74007	0.2120601	0.12440629	3.9741216	21	2 5.7	20.1
99252 2001 LJ_{1}	14.4	X	323.59125	79.20901	260.77776	11.13888	0.2377088	0.24646610	2.5194046	21	7 3.7	16.8
99253 2001 LA_{2}	14.5	X	206.34102	219.64335	54.65569	7.06622	0.1765932	0.17684097	3.1435048	21	—	—
99254 2001 LG_{11}	14.2	X	152.84321	197.68737	123.24078	14.50494	0.1215144	0.17376325	3.1805148	21	—	—
99255 2001 LP_{11}	14.0	X	220.64450	147.57013	122.99158	26.77620	0.2401592	0.17592479	3.1544091	21	—	—
99256 2001 LQ_{12}	14.0	X	237.20398	344.24819	285.12388	16.04454	0.1720311	0.17635198	3.1493130	21	1 8.2	19.1
99257 2001 LT_{12}	14.2	X	21.57014	119.05203	130.29172	17.13653	0.2433066	0.19496532	2.9455369	21	7 8.4	17.1
99258 2001 MF_{5}	14.9	X	285.54347	322.33393	294.34670	7.65159	0.2112917	0.18260143	3.0770409	21	1 31.3	19.7
99259 2001 MO_{17}	14.9	X	153.50571	269.26881	120.55026	17.72655	0.1407853	0.17969107	3.1101766	21	3 19.9	20.0
99260 2001 MC_{28}	16.0	X	209.73150	225.14076	122.12322	6.77119	0.1536281	0.28100137	2.3085029	21	3 6.6	19.6
99261 2001 NB_{7}	14.8	X	311.14226	309.32019	334.17954	7.80060	0.1193639	0.18763212	3.0217922	21	4 13.4	19.0
99262 Bleustein	14.4	X	196.19478	172.46046	170.44223	11.30656	0.0797628	0.18093251	3.0959336	21	2 24.4	19.3
99263 2001 OZ_{31}	16.5	X	243.12014	115.96007	199.70818	22.70182	0.0390187	0.37712735	1.8973350	21	2 7.1	19.1
99264 2001 OP_{42}	16.0	X	236.81345	335.73160	293.00584	4.05194	0.1707411	0.27169928	2.3608971	21	—	—
99265 2001 OQ_{62}	15.5	X	289.32738	92.09549	212.82482	1.07330	0.1625031	0.18723216	3.0260940	21	4 9.4	19.7
99266 2001 OQ_{69}	15.4	X	333.93559	131.85451	107.49750	6.11380	0.1804144	0.28389119	2.2928102	21	2 27.5	17.8
99267 2001 OJ_{84}	14.3	X	303.39142	42.15379	105.98365	27.87881	0.0902442	0.17623186	3.1507439	21	—	—
99268 2001 OD_{94}	14.5	X	17.99106	42.91767	326.01397	14.51883	0.1587763	0.20550669	2.8439290	21	12 5.0	18.3
99269 2001 OU_{97}	14.0	X	216.78346	315.66676	334.42176	26.80962	0.1867365	0.17468885	3.1692702	21	1 23.1	19.6
99270 2001 OG_{98}	15.8	X	142.50871	195.11298	200.61466	21.38348	0.0747710	0.37166023	1.9158962	21	1 22.1	18.3
99271 2001 PJ_{2}	14.6	X	197.31050	329.27960	305.89633	3.20933	0.1236957	0.17005886	3.2265362	21	—	—
99272 2001 PW_{24}	14.1	X	260.33071	268.35323	338.66473	12.91060	0.1734275	0.17426885	3.1743602	21	1 5.2	19.4
99273 2001 PD_{28}	14.5	X	8.17864	291.75576	293.67143	10.59424	0.1812940	0.19125875	2.9834711	21	4 23.9	17.9
99274 2001 PM_{41}	15.2	X	216.42491	67.46818	287.36068	12.57768	0.0648124	0.22924132	2.6440771	21	3 20.4	19.4
99275 2001 PH_{57}	15.2	X	47.15877	313.85447	76.11881	6.73584	0.0837033	0.21291168	2.7776001	21	—	—
99276 2001 QC_{20}	13.5	X	191.89862	309.75381	8.27890	5.64278	0.2180988	0.12291246	4.0062567	21	2 4.1	20.1
99277 2001 QU_{58}	15.6	X	153.32121	68.99986	142.25198	24.54471	0.0665366	0.40524888	1.8085124	21	11 27.5	18.3
99278 2001 QA_{68}	17.2	X	31.93122	299.66919	201.00185	20.47307	0.2312718	0.37577137	1.9018967	21	—	—
99279 2001 QF_{70}	13.8	X	170.91666	70.17432	297.77121	6.53878	0.0880830	0.17469897	3.1691477	21	2 28.1	18.7
99280 2001 QA_{83}	16.1	X	191.49005	61.31396	285.68305	4.53011	0.2475088	0.27300903	2.3533402	21	2 18.2	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
99281 2001 QR_{99}	16.4	X	11.83028	332.24835	158.29846	23.08120	0.0594611	0.36939466	1.9237220	21	—	—
99282 2001 QS_{116}	15.6	X	319.18718	328.60124	302.45224	5.51947	0.1751714	0.28385206	2.2930209	21	3 17.7	18.2
99283 2001 QD_{120}	15.5	X	262.36732	231.98654	87.02131	3.13356	0.1726581	0.23171153	2.6252518	21	3 24.7	19.6
99284 2001 QX_{131}	14.8	X	344.18751	118.70891	187.73596	10.38920	0.0987996	0.19294694	2.9660430	21	7 9.3	18.6
99285 2001 QT_{138}	15.6	X	106.55163	148.88606	206.00541	20.99872	0.0791054	0.36089724	1.9538011	21	—	—
99286 2001 QO_{139}	15.7	X	191.18072	102.28212	218.96062	22.29426	0.0495393	0.36681399	1.9327342	21	—	—
99287 2001 QN_{165}	14.7	X	156.95615	300.83873	123.81012	16.01547	0.2882923	0.17918024	3.1160850	21	5 11.1	20.5
99288 2001 QA_{203}	15.3	X	168.57497	198.36886	99.64357	6.57055	0.0385592	0.21874859	2.7279676	21	—	—
99289 2001 QV_{205}	14.2	X	312.89865	261.12462	295.14866	4.46733	0.1735905	0.17480409	3.1678771	21	—	—
99290 2001 QU_{206}	15.5	X	105.41849	284.54915	132.99078	4.49368	0.1002272	0.22248969	2.6973013	21	2 11.4	19.0
99291 2001 QO_{220}	15.5	X	335.75386	5.35047	233.06473	6.86323	0.1545973	0.23533241	2.5982537	21	3 8.9	18.6
99292 2001 QS_{226}	13.9	X	242.97784	303.88463	305.63526	9.01079	0.1196582	0.17012644	3.2256817	21	—	—
99293 2001 QX_{256}	14.8	X	80.96141	267.05623	152.43386	9.81533	0.1729054	0.21594882	2.7514957	21	1 20.4	18.0
99294 2001 QR_{258}	14.2	X	95.98209	82.45929	334.01829	21.70207	0.1328993	0.16910152	3.2387023	21	2 14.7	18.7
99295 2001 QP_{274}	15.0	X	130.50472	310.37051	79.30864	5.45769	0.1670080	0.17387998	3.1790912	21	2 25.2	19.9
99296 2001 QK_{287}	15.8	X	265.53313	354.55924	263.95299	3.93945	0.2066887	0.27594376	2.3366249	21	1 2.7	19.6
99297 2001 RU_{14}	15.1	X	5.28830	4.46334	224.95403	20.30762	0.3677564	0.28573786	2.2829209	21	2 28.3	17.0
99298 2001 RV_{46}	16.2	X	42.40204	84.08589	32.97782	21.13247	0.0792810	0.37058065	1.9196154	21	—	—
99299 2001 RR_{48}	15.9	X	246.95638	337.19505	49.12224	25.38945	0.0456869	0.38530755	1.8703851	21	6 4.1	18.0
99300 2001 RV_{52}	13.7	X	170.72948	262.97645	110.71827	5.85854	0.0317065	0.12703684	3.9190692	21	3 14.2	19.4
99301 2001 RX_{91}	15.2	X	19.35489	247.45107	144.84594	2.97124	0.0778125	0.20580937	2.8411399	21	12 27.3	18.9
99302 2001 RU_{92}	15.1	X	215.16547	145.36070	265.00257	2.44526	0.1273646	0.18360605	3.0658063	21	6 4.2	20.0
99303 2001 SJ_{2}	15.6	X	274.63607	85.36361	347.37451	0.97866	0.0386003	0.24543911	2.5264277	21	9 26.9	18.7
99304 2001 SF_{53}	15.0	X	227.02416	269.10042	185.61538	11.62837	0.0476202	0.18983423	2.9983779	21	8 16.4	19.4
99305 2001 SL_{55}	15.9	X	112.71121	167.88743	148.68119	6.65016	0.1200635	0.25741514	2.4474471	21	—	—
99306 2001 SC_{101}	12.4	X	330.22841	124.52658	134.29519	5.53358	0.0227884	0.08461332	5.1385851	21	5 4.6	19.2
99307 2001 SB_{182}	15.4	X	228.36916	258.19195	161.20709	4.47526	0.0988732	0.19063016	2.9900261	21	7 1.0	19.9
99308 2001 SD_{233}	12.3	X	128.49774	125.88821	28.09025	29.84816	0.0213435	0.08477067	5.1322245	21	7 8.9	19.6
99309 2001 SH_{264}	12.4	X	323.34956	342.75451	286.65083	9.58522	0.0354134	0.08300635	5.2046935	21	5 2.8	19.3
99310 2001 SB_{282}	16.3	X	141.21707	319.32468	65.11362	23.16147	0.0864767	0.36900325	1.9250821	21	1 11.8	18.5
99311 2001 SQ_{282}	12.3	X	170.77711	266.42696	194.44791	14.37662	0.0429767	0.08384049	5.1701146	21	6 22.4	19.5
99312 2001 SK_{290}	16.0	X	90.98342	247.05661	216.05901	20.28926	0.1017505	0.37371095	1.9088809	21	2 11.9	18.1
99313 2001 TO_{25}	15.5	X	232.68852	240.72076	305.59070	5.52508	0.0693958	0.25446200	2.4663465	21	12 27.9	18.6
99314 2001 TM_{29}	15.8	X	240.97857	222.63745	20.24932	5.06703	0.0246724	0.21364166	2.7712694	21	—	—
99315 2001 TF_{46}	16.3	X	268.76254	293.62787	246.58262	17.22340	0.0806516	0.35692970	1.9682530	21	—	—
99316 2001 TH_{63}	16.9	X	44.17376	328.38016	107.68683	1.36033	0.1107519	0.31123927	2.1564520	21	—	—
99317 2001 TN_{74}	15.2	X	19.06822	314.18499	68.22640	1.86918	0.0900366	0.20075812	2.8885993	21	12 14.9	18.8
99318 2001 TW_{84}	15.9	X	32.39681	48.53273	41.69504	3.92167	0.0622926	0.21256343	2.7806331	21	—	—
99319 2001 TX_{92}	16.3	X	340.10666	72.95292	286.05037	2.85503	0.1961726	0.24486993	2.5303412	21	9 18.8	18.4
99320 2001 TF_{103}	15.3	X	113.23915	318.04297	223.67214	6.99188	0.0404709	0.28419418	2.2911803	21	7 26.3	18.2
99321 2001 TT_{113}	16.9	X	163.57015	32.28207	356.82819	2.41947	0.2118947	0.32217335	2.1073806	21	3 13.3	19.9
99322 2001 TW_{136}	14.6	X	75.03022	69.19076	86.68671	12.28360	0.0509239	0.18045730	3.1013664	21	5 9.8	18.9
99323 2001 TE_{205}	12.6	X	212.16926	341.05769	61.86599	17.25672	0.0094496	0.08347544	5.1851769	21	6 1.5	19.5
99324 2001 UJ_{2}	16.2	X	351.86351	119.53589	348.65563	19.11945	0.0872243	0.35958706	1.9585441	21	—	—
99325 2001 UF_{14}	16.3	X	156.87848	314.22409	70.75349	23.75626	0.0874021	0.37196097	1.9148634	21	2 14.0	18.9
99326 2001 UA_{26}	14.5	X	128.47889	256.24780	269.05943	9.28370	0.1170953	0.18461629	3.0546119	21	7 28.4	19.2
99327 2001 UP_{32}	12.5	X	323.45326	254.70166	58.26115	5.12550	0.0254761	0.08534380	5.1092215	21	6 25.4	19.1
99328 2001 UY_{123}	12.3	X	219.76808	266.23662	144.55644	16.81922	0.0713440	0.08282700	5.2122044	21	6 17.2	19.6
99329 2001 VH_{13}	15.2	X	157.58177	44.77884	280.31610	2.06669	0.0890411	0.21238262	2.7822110	21	—	—
99330 2001 VT_{15}	15.0	X	264.93331	337.42927	64.24449	29.07007	0.2063728	0.28519118	2.2858373	21	7 3.8	18.5
99331 2001 VF_{41}	15.9	X	235.87358	299.57999	309.54837	2.39176	0.0955125	0.30870347	2.1682451	21	—	—
99332 2001 VZ_{66}	15.2	X	324.78457	332.15745	354.12218	3.72226	0.1350641	0.23487379	2.6016349	21	7 2.2	18.1
99333 2001 VJ_{81}	15.7	X	33.62654	326.26866	86.24370	6.09776	0.1429997	0.30219250	2.1992787	21	—	—
99334 2001 VC_{92}	11.8	X	324.70400	217.66486	82.47129	29.65196	0.0857365	0.08028043	5.3218537	21	6 8.1	18.4
99335 2001 VB_{106}	15.3	X	172.22991	139.74421	243.26700	2.14979	0.0696829	0.22049717	2.7135263	21	3 14.2	19.3
99336 2001 VD_{111}	14.6	X	145.87039	246.36052	263.91345	9.60139	0.0442542	0.18191026	3.0848302	21	7 23.2	19.2
99337 2001 XR_{21}	15.4	X	135.59525	308.97388	22.52514	5.00292	0.1003788	0.30516658	2.1849662	21	—	—
99338 2001 XB_{24}	14.6	X	211.79796	328.41354	67.03363	12.41214	0.0552280	0.22477613	2.6789787	21	5 15.8	18.5
99339 2001 XY_{26}	15.6	X	30.55906	53.77944	33.45930	4.91809	0.1074467	0.30351550	2.1928830	21	—	—
99340 2001 XY_{27}	16.3	X	309.04041	78.39520	42.97927	6.78300	0.1766646	0.29531859	2.2332749	21	—	—
99341 2001 XP_{30}	15.4	X	136.41484	112.19148	53.81539	4.94776	0.1340659	0.27488092	2.3426441	21	8 15.6	18.8
99342 2001 XZ_{72}	15.2	X	313.51827	234.42688	85.73764	5.43243	0.0953350	0.23198250	2.6232070	21	6 9.5	18.3
99343 2001 XO_{83}	15.7	X	109.30545	39.34999	228.54760	6.87990	0.1559170	0.29434936	2.2381747	21	11 30.3	19.1
99344 2001 XG_{94}	16.5	X	12.08729	182.36687	24.41876	2.12614	0.0663277	0.27231370	2.3573445	21	4 1.1	18.9
99345 2001 XX_{100}	16.2	X	77.89378	56.02711	331.48639	3.30174	0.0927353	0.30416500	2.1897602	21	—	—
99346 2001 XN_{101}	15.6	X	149.58441	139.76802	64.27195	5.88140	0.1237406	0.28649018	2.2789225	21	10 19.1	18.9
99347 2001 XO_{104}	15.8	X	267.25785	41.02901	195.83744	4.74224	0.1153736	0.31148953	2.1552968	21	—	—
99348 2001 XP_{104}	15.8	X	226.18379	65.38758	203.61301	4.04040	0.1261877	0.30968849	2.1636450	21	—	—
99349 2001 XT_{107}	16.3	X	118.78526	322.77071	261.48052	4.17115	0.0718117	0.28803625	2.2707602	21	10 5.9	19.3
99350 2001 XO_{108}	16.2	X	263.34955	176.42446	352.95468	4.08643	0.0941333	0.29757667	2.2219629	21	—	—
99351 2001 XV_{119}	15.4	X	130.72001	98.74982	69.13059	6.36202	0.0521791	0.27374285	2.3491326	21	8 4.7	18.5
99352 2001 XW_{119}	15.7	X	161.76352	96.87742	89.50452	6.29862	0.1131640	0.27985151	2.3148221	21	10 9.4	19.1
99353 2001 XT_{133}	15.6	X	327.58691	210.22255	115.83059	0.96110	0.1665239	0.23493853	2.6011569	21	7 2.6	18.3
99354 2001 XZ_{145}	16.2	X	131.29230	182.97296	92.86057	2.98299	0.1549210	0.29834387	2.2181520	21	12 31.1	19.6
99355 2001 XU_{157}	17.0	X	86.33777	225.47042	139.36449	2.76291	0.1274053	0.30488900	2.1862922	21	—	—
99356 2001 XG_{165}	15.9	X	161.01111	159.78685	98.13041	5.45810	0.1447838	0.29838716	2.2179375	21	—	—
99357 2001 XZ_{178}	16.2	X	218.85481	83.14416	104.75979	4.76500	0.0829899	0.29392440	2.2403315	21	12 18.4	18.9
99358 2001 XC_{179}	16.6	X	120.32086	66.19726	286.69265	0.48610	0.1181742	0.30618196	2.1801330	21	—	—
99359 2001 XU_{179}	15.7	X	111.81568	64.93258	110.14485	6.43117	0.1340535	0.27595800	2.3365445	21	7 29.6	18.8
99360 2001 XY_{182}	16.9	X	329.63453	188.28691	219.37238	1.70571	0.1078454	0.29193460	2.2504999	21	11 23.9	18.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
99361 2001 XO_{194}	16.2	X	239.31139	239.66802	120.75459	6.54054	0.1329312	0.27238334	2.3569427	21	4 24.2	19.8
99362 2001 XN_{197}	15.5	X	56.55663	63.40591	276.32263	4.52831	0.2054289	0.29385053	2.2407069	21	—	—
99363 2001 XJ_{198}	16.1	X	61.90430	227.96888	127.76334	4.29519	0.0899396	0.29712818	2.2241982	21	—	—
99364 2001 XG_{211}	16.3	X	191.36284	287.02083	162.40602	5.01632	0.1359480	0.27894301	2.3198455	21	6 28.4	19.8
99365 2001 XY_{212}	15.4	X	22.32724	165.44100	115.17374	22.02611	0.1376139	0.28046744	2.3114318	21	8 23.1	17.8
99366 2001 XD_{214}	15.6	X	196.23054	270.21199	235.56758	5.99855	0.0443853	0.28531479	2.2851771	21	9 22.9	18.7
99367 2001 XG_{216}	17.2	X	65.35417	70.82740	298.55372	0.57724	0.0850919	0.30260958	2.1972574	21	—	—
99368 2001 XE_{221}	12.4	X	16.69456	2.48283	256.54761	5.83837	0.0197135	0.08083824	5.2973437	21	6 27.3	19.2
99369 2001 XN_{228}	16.1	X	161.18711	254.74926	5.37125	2.20256	0.1317197	0.30077218	2.2061969	21	—	—
99370 2001 XJ_{247}	16.0	X	82.04871	284.94351	277.38147	5.66161	0.0786749	0.27941953	2.3172073	21	7 19.8	18.7
99371 2001 XX_{251}	15.9	X	46.44011	171.02394	93.01550	8.08165	0.0884037	0.28301859	2.2975206	21	9 1.9	18.5
99372 2001 XW_{252}	16.3	X	290.75367	129.82970	342.43680	6.87671	0.0252086	0.29364922	2.2417309	21	12 25.1	18.9
99373 2001 YU	15.9	X	95.10551	192.45287	51.28252	11.17992	0.0784170	0.28434871	2.2903501	21	10 10.5	19.0
99374 2001 YH_{11}	16.2	X	225.63521	250.99754	252.49958	1.78799	0.0905923	0.28766775	2.2726991	21	10 24.4	18.9
99375 2001 YV_{48}	16.1	X	81.74882	268.83415	66.72736	5.49487	0.1006832	0.30008279	2.2095745	21	—	—
99376 2001 YR_{60}	16.0	X	180.82985	307.98840	331.39163	1.41875	0.0373127	0.30397534	2.1906709	21	—	—
99377 2001 YN_{73}	16.1	X	242.18612	159.91673	94.69716	6.83646	0.0736275	0.30690377	2.1767133	21	—	—
99378 2001 YY_{80}	15.9	X	22.53766	241.86087	95.03756	7.91605	0.1750938	0.29033996	2.2587327	21	11 23.7	18.2
99379 2001 YQ_{82}	16.4	X	146.64559	357.15745	8.11475	3.09945	0.1717647	0.31213916	2.1523053	21	1 19.7	18.9
99380 2001 YB_{87}	15.3	X	334.48598	291.55782	91.12994	7.28524	0.1092943	0.28883235	2.2665858	21	10 28.4	17.4
99381 2001 YO_{94}	16.0	X	340.77963	217.67004	105.47911	7.40456	0.1613206	0.28158939	2.3052880	21	7 29.8	17.6
99382 2001 YR_{96}	16.5	X	226.07660	89.71450	55.90254	5.46174	0.0645689	0.28851209	2.2682628	21	11 2.3	19.1
99383 2001 YV_{109}	15.1	X	350.91764	166.83203	96.98631	9.80375	0.1162296	0.27122174	2.3636675	21	5 19.3	17.4
99384 2001 YP_{113}	14.4	X	338.74475	29.29549	313.16001	25.36419	0.1428689	0.27886823	2.3202602	21	8 19.7	16.5
99385 2001 YD_{125}	15.4	X	338.39477	304.52756	353.63667	4.96070	0.0221274	0.22873507	2.6479770	21	6 24.9	18.9
99386 2001 YW_{148}	14.6	X	262.78771	223.41573	99.99205	6.60562	0.1250567	0.16992278	3.2282586	21	4 12.1	19.5
99387 2001 YS_{152}	14.7	X	303.04490	201.12020	57.24174	14.55790	0.1600080	0.21466097	2.7624896	21	3 3.7	18.8
99388 2002 AL	16.4	X	320.45649	275.92196	293.95189	16.98878	0.0712277	0.36159646	1.9512816	21	—	—
99389 2002 AN	15.7	X	41.09108	63.39390	308.43587	2.21355	0.1714864	0.29704823	2.2245973	21	—	—
99390 2002 AP_{1}	16.0	X	182.07563	301.49140	177.91837	2.65917	0.0638269	0.27832866	2.3232579	21	7 30.1	19.1
99391 2002 AK_{4}	15.5	X	345.08610	84.35016	30.11403	21.44306	0.0838975	0.35306940	1.9825737	21	—	—
99392 2002 AW_{4}	16.4	X	151.64457	79.84604	78.53582	4.14856	0.1454731	0.27775975	2.3264292	21	8 21.4	19.9
99393 2002 AS_{11}	16.0	X	133.12544	276.01613	75.69824	2.70778	0.2231713	0.30770026	2.1729554	21	—	—
99394 2002 AL_{16}	14.9	X	147.28014	118.85610	114.18539	15.91197	0.1694798	0.23551792	2.5968892	21	11 19.5	19.4
99395 2002 AB_{19}	15.1	X	205.59502	18.10724	339.01851	18.64656	0.0819266	0.36475866	1.9399877	21	2 28.0	17.1
99396 2002 AE_{23}	15.4	X	90.25924	59.59280	258.42425	5.93431	0.2301831	0.29684453	2.2256149	21	—	—
99397 2002 AF_{24}	15.7	X	0.23204	202.97861	154.97406	8.41821	0.2070855	0.28883312	2.2665818	21	11 21.5	17.7
99398 2002 AP_{29}	14.3	X	285.01070	273.44753	99.72131	11.36017	0.1146425	0.18130055	3.0917424	21	7 7.9	18.4
99399 2002 AJ_{31}	14.6	X	1.76061	163.50161	68.69236	14.48783	0.0954597	0.21155419	2.7894696	21	5 1.4	18.0
99400 2002 AV_{34}	16.2	X	66.74859	31.30020	77.91139	2.30919	0.0525778	0.31135232	2.1559299	21	1 29.8	18.2
99401 2002 AX_{34}	15.5	X	10.32075	321.13806	255.11124	8.99132	0.1629128	0.26279917	2.4139044	21	4 3.6	17.9
99402 2002 AT_{58}	15.9	X	326.66442	0.58726	210.55799	2.10850	0.1370247	0.25783858	2.4447668	21	1 18.7	18.9
99403 2002 AX_{58}	16.3	X	6.39710	209.31257	216.70569	1.93376	0.1300256	0.29783997	2.2206532	21	—	—
99404 2002 AE_{62}	17.1	X	86.34834	292.94664	142.86844	4.27594	0.0733588	0.30869078	2.1683045	21	1 14.0	19.2
99405 2002 AJ_{62}	15.6	X	334.79067	259.64163	279.09646	1.59742	0.1351009	0.25412116	2.4685514	21	—	—
99406 2002 AO_{64}	16.3	X	104.66329	5.76297	171.07202	3.10274	0.0868493	0.27305299	2.3530876	21	7 15.8	19.2
99407 2002 AY_{64}	15.4	X	219.53808	66.11739	178.40727	2.60567	0.0964232	0.24696281	2.5160253	21	—	—
99408 2002 AM_{69}	16.1	X	69.97806	278.62094	44.55293	1.48601	0.1747732	0.29446547	2.2375863	21	—	—
99409 2002 AD_{70}	16.1	X	301.61989	221.75790	80.32665	6.46830	0.0489766	0.27530235	2.3402528	21	5 2.8	18.9
99410 2002 AJ_{80}	17.2	X	50.70547	64.79758	332.53843	4.24577	0.1683289	0.30347758	2.1930657	21	—	—
99411 2002 AH_{85}	16.2	X	193.86274	306.79330	251.59392	6.73131	0.1181065	0.29045704	2.2581257	21	11 26.1	19.2
99412 2002 AB_{106}	16.4	X	66.21958	231.83734	101.12231	5.46535	0.1848353	0.29437437	2.2380479	21	—	—
99413 2002 AY_{109}	16.3	X	102.89533	174.66065	75.92735	1.23205	0.1138081	0.28392043	2.2926528	21	10 28.3	19.4
99414 2002 AV_{121}	16.7	X	119.65978	37.00453	73.44338	2.32025	0.1424198	0.26822969	2.3812125	21	5 11.4	19.8
99415 2002 AD_{123}	16.0	X	280.27632	193.73403	95.72524	3.69524	0.0191429	0.26382194	2.4076616	21	3 22.3	19.0
99416 2002 AY_{128}	15.3	X	60.70287	134.69125	125.94565	13.70180	0.0432249	0.22308672	2.6924867	21	9 5.1	18.9
99417 2002 AA_{141}	14.4	X	200.33038	286.26480	115.64617	13.86992	0.1015430	0.17260676	3.1947057	21	5 16.3	19.6
99418 2002 AR_{151}	14.5	X	57.28223	94.04013	127.14371	17.91900	0.1128118	0.17014842	3.2254039	21	7 14.4	18.9
99419 2002 AO_{153}	15.8	X	98.53060	190.22276	343.27139	1.92562	0.1423529	0.27093454	2.3653376	21	7 11.9	18.9
99420 2002 AY_{158}	14.9	X	161.56037	304.70688	299.97723	14.44479	0.1174027	0.23935083	2.5690906	21	12 13.1	19.0
99421 2002 AC_{164}	16.3	X	337.68284	207.09429	171.56113	4.22127	0.1641809	0.28679852	2.2772888	21	10 28.2	17.9
99422 2002 AG_{179}	15.9	X	331.26412	209.94322	17.01202	2.59114	0.1467860	0.26091241	2.4255276	21	2 14.9	18.8
99423 2002 AV_{179}	16.1	X	236.29424	296.04301	121.67930	7.47795	0.1206436	0.27634224	2.3343781	21	7 5.6	19.2
99424 2002 AU_{186}	15.8	X	62.40226	348.20202	327.59762	5.60562	0.1732734	0.29246684	2.2477687	21	12 14.9	18.9
99425 2002 AE_{190}	16.4	X	140.13187	203.19250	99.12703	5.59631	0.1586913	0.30060667	2.2070067	21	—	—
99426 2002 AX_{190}	16.1	X	333.32488	33.85904	70.05574	6.80853	0.1469120	0.29410791	2.2393995	21	—	—
99427 2002 AB_{191}	15.3	X	206.36727	226.81543	53.24302	6.52952	0.0962801	0.24647617	2.5193360	21	—	—
99428 2002 AO_{194}	15.9	X	224.53151	242.80038	286.55050	3.73011	0.1688966	0.28491322	2.2873238	21	11 15.2	18.9
99429 2002 AG_{197}	16.4	X	198.53965	17.02837	327.48271	1.70025	0.2293291	0.26640788	2.3920560	21	2 22.3	20.5
99430 2002 BQ_{1}	15.9	X	228.70460	164.64636	69.86916	6.41327	0.1249514	0.29388374	2.2405381	21	—	—
99431 2002 BP_{13}	14.4	X	346.08830	136.30947	81.57412	12.01802	0.0843057	0.20601302	2.8392672	21	3 22.4	18.2
99432 2002 BS_{15}	16.4	X	54.11770	135.66569	244.00532	3.76605	0.1293866	0.29740532	2.2228162	21	—	—
99433 2002 BN_{16}	16.2	X	92.25739	273.81393	252.44578	1.51611	0.1353385	0.26908494	2.3761642	21	6 21.8	19.2
99434 2002 BC_{17}	15.7	X	105.65899	334.96557	287.53336	5.07390	0.2039603	0.28131985	2.3067603	21	11 19.7	19.5
99435 2002 BV_{18}	14.7	X	247.01590	150.61283	125.75593	2.96836	0.0274505	0.20412378	2.8567593	21	1 29.8	18.7
99436 2002 BJ_{22}	15.9	X	29.21807	59.06282	163.63293	1.43280	0.1387633	0.26857552	2.3791679	21	5 30.4	17.9
99437 2002 BS_{25}	16.0	X	153.97316	224.02216	292.46100	6.15980	0.0752495	0.27571720	2.3379047	21	8 15.6	19.2
99438 2002 BT_{25}	15.6	X	226.73659	316.24597	260.62685	4.84046	0.0947970	0.24241110	2.5474229	21	—	—
99439 2002 CA_{1}	16.5	X	222.72782	293.88198	242.28682	5.71670	0.1083495	0.29028370	2.2590246	21	12 2.8	19.0
99440 2002 CA_{2}	16.1	X	33.07412	328.95216	18.82654	5.69956	0.1900561	0.29160705	2.2521849	21	12 24.9	18.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
99441 2002 CA_{6}	15.8	X	19.77711	229.72335	296.91496	2.06954	0.1225916	0.25848231	2.4407062	21	2 13.5	18.3
99442 2002 CF_{8}	15.3	X	69.94834	47.11929	92.88543	6.91593	0.0466800	0.26355213	2.4093045	21	4 1.9	18.2
99443 2002 CA_{14}	15.7	X	11.26882	254.20924	318.94298	1.87672	0.1585928	0.26199573	2.4188369	21	4 4.8	17.9
99444 2002 CS_{17}	16.1	X	285.61002	5.99585	325.80960	6.49895	0.1364679	0.27538740	2.3397709	21	5 3.1	19.3
99445 2002 CQ_{22}	16.5	X	314.26232	260.37213	331.22941	4.94053	0.1441489	0.30796193	2.1717243	21	1 19.6	19.1
99446 2002 CS_{24}	16.0	X	93.89690	283.47185	244.64612	5.64606	0.0702605	0.26973844	2.3723248	21	6 16.2	18.8
99447 2002 CX_{25}	14.7	X	81.80518	240.78365	9.74750	23.32635	0.2727101	0.27489472	2.3425657	21	10 15.6	18.4
99448 2002 CF_{30}	16.0	X	24.64484	307.50337	64.90831	5.92110	0.2026410	0.29400272	2.2399336	21	—	—
99449 2002 CJ_{30}	16.4	X	337.23124	330.01950	36.33279	4.81079	0.1137138	0.28487283	2.2875400	21	10 4.9	18.2
99450 2002 CP_{34}	15.5	X	53.76591	195.71290	110.25488	13.19003	0.1908645	0.23481400	2.6020765	21	11 19.4	19.3
99451 2002 CL_{37}	16.4	X	337.40454	72.12441	344.22852	4.19995	0.1573826	0.24097081	2.5575635	21	12 9.3	18.9
99452 2002 CM_{38}	15.3	X	114.75445	183.82837	138.90068	9.18182	0.2096841	0.24411711	2.5355406	21	—	—
99453 2002 CW_{42}	16.6	X	44.83814	83.97274	76.10327	3.97237	0.0912166	0.31243881	2.1509290	21	3 13.9	18.4
99454 2002 CZ_{42}	16.4	X	319.18667	156.02048	17.45658	4.76601	0.1218034	0.30181875	2.2010939	21	—	—
99455 2002 CX_{55}	16.3	X	218.00667	29.18511	187.80444	0.26571	0.0987118	0.24134673	2.5549070	21	—	—
99456 2002 CH_{57}	15.8	X	31.61774	275.76747	271.77240	2.54013	0.0838027	0.26243508	2.4161364	21	4 5.8	18.5
99457 2002 CS_{58}	16.1	X	94.94961	237.99480	35.74262	6.82131	0.2195233	0.27929093	2.3179185	21	11 24.9	19.7
99458 2002 CF_{59}	16.6	X	11.57027	16.51435	155.51032	0.71403	0.1613317	0.25691818	2.4506022	21	2 3.1	19.0
99459 2002 CO_{62}	15.0	X	23.35552	329.19573	50.66747	10.74382	0.0491484	0.19021438	2.9943816	21	12 9.1	19.1
99460 2002 CJ_{66}	15.4	X	59.76815	134.06127	127.18673	14.49865	0.1212869	0.22886944	2.6469405	21	9 18.8	19.0
99461 2002 CM_{66}	16.3	X	352.36568	231.67051	105.06335	8.30791	0.1871894	0.28415827	2.2913733	21	9 27.3	18.1
99462 2002 CE_{83}	16.3	X	316.17451	34.91945	9.40936	2.75200	0.1721448	0.28649815	2.2788802	21	10 17.7	17.8
99463 2002 CR_{83}	15.4	X	46.89059	180.01525	354.45726	4.87714	0.1421495	0.26328639	2.4109254	21	4 18.5	17.6
99464 2002 CC_{91}	12.7	X	93.75944	212.15309	73.36626	2.87419	0.0438906	0.08235967	5.2319026	21	10 27.8	19.6
99465 2002 CP_{93}	16.5	X	28.95502	127.37887	111.14703	2.17285	0.1474787	0.26856385	2.3792369	21	6 25.5	18.3
99466 2002 CN_{96}	14.5	X	102.68187	127.89888	150.95882	24.09286	0.2469404	0.18082149	3.0972007	21	12 3.1	20.1
99467 2002 CN_{102}	15.9	X	130.19428	359.62018	108.68045	2.18183	0.1406208	0.26716237	2.3875503	21	5 20.9	19.2
99468 2002 CE_{103}	15.4	X	20.88400	269.95134	47.70740	3.19426	0.1011066	0.22737849	2.6584987	21	10 1.1	18.5
99469 2002 CB_{107}	16.3	X	232.24987	330.51666	105.98049	3.09298	0.1982433	0.27747270	2.3280334	21	7 19.1	19.7
99470 2002 CQ_{110}	16.5	X	210.64025	240.27803	22.62436	4.44719	0.1474161	0.29613670	2.2291599	21	—	—
99471 2002 CK_{112}	14.0	X	192.59972	71.94580	164.92186	12.38207	0.1848092	0.18545954	3.0453457	21	12 20.7	19.2
99472 2002 CO_{112}	16.0	X	266.32296	188.54375	17.72843	5.75957	0.1653430	0.29492199	2.2352767	21	—	—
99473 2002 CP_{112}	15.8	X	166.68342	353.00785	163.34251	6.40015	0.1400218	0.27526011	2.3404922	21	8 31.6	19.4
99474 2002 CE_{114}	16.5	X	199.63322	230.28561	22.46782	3.78532	0.1527263	0.29430052	2.2384224	21	—	—
99475 2002 CR_{118}	14.7	X	204.01975	99.19266	79.04010	22.74586	0.2386725	0.28449004	2.2895915	21	11 7.2	18.6
99476 2002 CU_{133}	15.6	X	105.02804	326.03421	339.63026	3.14307	0.0358098	0.23736140	2.5834258	21	12 26.2	19.1
99477 2002 CG_{135}	15.8	X	61.64609	284.80905	197.27500	6.10566	0.0972426	0.26453027	2.4033617	21	2 21.1	18.4
99478 2002 CD_{137}	16.2	X	343.10204	228.34736	204.22632	5.15262	0.1107214	0.29541398	2.2327941	21	—	—
99479 2002 CS_{152}	16.8	X	295.07136	161.90989	121.80743	4.44811	0.1660811	0.31287209	2.1489427	21	3 4.9	19.6
99480 2002 CE_{154}	16.5	X	226.18434	79.95540	2.83899	2.95835	0.1227646	0.27647168	2.3336494	21	7 29.4	19.7
99481 2002 CY_{157}	17.0	X	218.92860	50.44961	96.22251	3.22851	0.0981410	0.28512850	2.2861723	21	10 21.0	20.0
99482 2002 CP_{159}	16.4	X	176.45851	7.95088	69.78353	3.64887	0.1410332	0.26897864	2.3767902	21	5 28.9	19.9
99483 2002 CE_{166}	15.3	X	283.70523	229.98179	72.86278	3.82830	0.0721931	0.21394679	2.7686339	21	4 11.6	19.1
99484 2002 CQ_{169}	15.7	X	273.02443	349.55902	72.28797	5.63102	0.2035638	0.28271414	2.2991697	21	8 19.1	18.4
99485 2002 CD_{170}	15.8	X	284.89236	349.56695	69.46169	4.85051	0.0970662	0.28192290	2.3034696	21	9 21.7	18.3
99486 2002 CJ_{171}	16.1	X	278.78453	30.50594	69.16071	5.20839	0.0891539	0.28604085	2.2813085	21	11 10.6	18.5
99487 2002 CR_{172}	15.7	X	85.03375	295.95532	69.68346	6.40868	0.1907611	0.29880091	2.2158895	21	—	—
99488 2002 CW_{172}	16.2	X	240.92058	293.85132	117.55265	8.52759	0.1047672	0.27584492	2.3371830	21	7 4.4	19.4
99489 2002 CS_{174}	14.9	X	328.04514	233.27460	151.54068	19.25501	0.0425897	0.22954160	2.6417707	21	10 11.9	18.5
99490 2002 CD_{220}	16.2	X	139.58722	130.30700	147.09130	8.34076	0.1451982	0.28744526	2.2738717	21	—	—
99491 2002 CN_{227}	15.7	X	187.42334	35.84058	271.22432	8.01147	0.1785712	0.25278544	2.4772396	21	—	—
99492 2002 CZ_{231}	15.7	X	248.89960	314.67302	215.35366	3.97636	0.1759104	0.23730768	2.5838156	21	12 8.2	19.0
99493 2002 CR_{237}	14.6	X	303.89445	289.99056	358.08209	8.91896	0.1380035	0.20919191	2.8104301	21	4 5.7	18.5
99494 2002 CH_{239}	15.7	X	119.93851	97.81415	215.50963	2.91449	0.1505744	0.24009434	2.5637840	21	—	—
99495 2002 CD_{240}	16.4	X	292.77737	128.23931	315.47171	3.87610	0.1919880	0.28744933	2.2738502	21	10 25.5	18.2
99496 2002 CH_{243}	15.8	X	155.92524	342.63082	288.31592	1.54797	0.0128154	0.23994693	2.5648340	21	—	—
99497 2002 CX_{244}	16.0	X	163.31814	270.20811	347.14613	5.21592	0.1988436	0.28694305	2.2765240	21	—	—
99498 2002 CQ_{246}	15.3	X	197.19763	15.71634	174.26662	24.94718	0.1832437	0.28670625	2.2777774	21	11 15.8	19.2
99499 2002 CK_{247}	17.0	X	166.96568	10.39117	146.72177	2.22993	0.1427401	0.27680894	2.3317535	21	9 2.5	20.6
99500 2002 CQ_{248}	16.3	X	199.76032	215.99770	38.82516	5.20779	0.1171570	0.29520080	2.2338690	21	—	—
99501 2002 CT_{310}	15.1	X	135.32212	244.16364	64.34039	4.26768	0.0762553	0.24268936	2.5454753	21	—	—
99502 2002 CW_{311}	16.2	X	208.33951	171.99380	252.73077	5.67643	0.0770477	0.27104561	2.3646913	21	6 15.9	19.3
99503 Leewonchul	15.6	X	62.43488	141.03000	62.36366	7.68219	0.1950004	0.26386207	2.4074174	21	7 12.9	18.3
99504 2002 DR_{12}	15.6	X	93.06364	322.71901	42.55513	6.31809	0.1688902	0.29987308	2.2106046	21	—	—
99505 2002 DZ_{15}	15.9	X	126.85064	19.28754	133.09805	4.12675	0.2458417	0.26939720	2.3743278	21	7 24.3	19.8
99506 2002 DG_{17}	13.9	X	331.03587	270.13407	79.54772	18.32286	0.1519929	0.17689420	3.1428741	21	8 18.7	17.9
99507 2002 EL_{1}	17.0	X	304.96494	238.79489	347.91460	3.81866	0.0905780	0.30512379	2.1851705	21	1 9.2	19.6
99508 2002 EQ_{8}	16.5	X	252.52479	28.19857	79.02216	6.97960	0.2048085	0.28483560	2.2877393	21	9 26.4	19.4
99509 2002 EL_{9}	15.8	X	169.46277	34.40345	92.77870	7.10622	0.1355501	0.27259703	2.3557108	21	7 27.7	19.3
99510 2002 EO_{12}	15.2	X	7.22933	2.27406	299.80083	4.03873	0.1258408	0.27137116	2.3627998	21	8 19.7	17.3
99511 2002 ES_{14}	17.1	X	318.56662	318.03437	310.67840	1.41177	0.1075436	0.31388353	2.1443238	21	3 22.5	19.3
99512 2002 EL_{20}	16.5	X	137.07391	196.80638	44.42489	2.88591	0.1906232	0.28058918	2.3107632	21	11 20.7	20.3
99513 2002 EA_{26}	15.8	X	2.37619	357.37581	299.63413	2.35619	0.2291983	0.27068963	2.3667641	21	8 8.5	17.0
99514 2002 EL_{26}	16.1	X	93.05410	314.10296	239.27295	3.69643	0.0803911	0.27107223	2.3645365	21	7 22.2	19.1
99515 2002 EE_{30}	15.9	X	192.69511	215.61124	20.68274	6.00790	0.1454438	0.28913807	2.2649878	21	—	—
99516 2002 EM_{30}	15.9	X	33.55308	267.69354	19.60871	6.66516	0.1281442	0.27328091	2.3517790	21	9 19.1	18.3
99517 2002 ER_{30}	16.0	X	77.53492	136.07302	33.08055	3.08941	0.1057739	0.26502750	2.4003547	21	5 30.0	18.7
99518 2002 EV_{30}	15.7	X	78.56282	140.32371	109.67454	3.10534	0.1284852	0.27401209	2.3475935	21	9 30.9	18.8
99519 2002 EP_{31}	15.3	X	1.17092	83.54339	74.84084	4.18534	0.1359293	0.25341997	2.4731027	21	—	—
99520 2002 ER_{32}	15.9	X	238.18418	281.72585	79.24843	6.93191	0.1232795	0.26806508	2.3821872	21	4 24.3	19.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
99521 2002 EB_{34}	15.3	X	72.97705	174.05570	150.53938	13.92954	0.1799860	0.23584948	2.5944548	21	12 28.1	19.5
99522 2002 EF_{41}	15.4	X	59.89295	233.23408	348.45804	6.56639	0.0682113	0.26854123	2.3793704	21	7 15.2	18.2
99523 2002 EC_{66}	15.2	X	259.97736	67.33327	213.15536	2.70977	0.2286323	0.20066127	2.8895287	21	2 1.3	20.1
99524 2002 EO_{70}	16.1	X	182.77251	51.30331	180.62372	7.56474	0.0889600	0.28754062	2.2733689	21	12 29.5	19.3
99525 2002 EW_{70}	16.1	X	179.24148	310.46084	329.16333	4.37164	0.1728123	0.29167575	2.2518312	21	—	—
99526 2002 EC_{73}	16.4	X	183.55098	251.87382	334.93267	3.74649	0.0946569	0.28663153	2.2781732	21	12 23.5	19.4
99527 2002 EK_{74}	15.3	X	223.80540	323.57730	13.90421	11.65385	0.1594267	0.25490600	2.4634817	21	3 11.3	19.2
99528 2002 ES_{78}	14.8	X	233.43446	228.78391	110.97592	18.11039	0.1050096	0.20493520	2.8492136	21	4 5.3	19.5
99529 2002 EJ_{86}	15.6	X	300.85734	18.74835	136.70739	2.90561	0.0663693	0.24328159	2.5413426	21	—	—
99530 2002 EN_{86}	15.9	X	112.09774	202.63827	44.17898	4.54528	0.1306981	0.27826968	2.3235862	21	11 2.5	19.0
99531 2002 EM_{88}	15.7	X	273.38146	237.20668	43.35817	6.25955	0.1102895	0.25442503	2.4665854	21	2 20.8	19.3
99532 2002 EV_{88}	14.9	X	113.92828	223.87743	49.72960	6.66040	0.1985458	0.17814186	3.1281823	21	11 27.6	20.1
99533 2002 EB_{89}	15.8	X	49.27172	248.92562	40.75621	4.82820	0.1900869	0.27375448	2.3490660	21	10 25.4	18.5
99534 2002 EK_{91}	16.4	X	114.98547	86.20343	44.70007	2.46734	0.1761919	0.26670300	2.3902910	21	6 6.8	19.6
99535 2002 EM_{91}	16.1	X	192.32968	79.76518	83.50567	2.67385	0.1615918	0.28078105	2.3097103	21	10 6.3	19.5
99536 2002 EK_{92}	15.8	X	5.65025	341.98736	259.41210	2.76116	0.0967206	0.26293720	2.4130595	21	5 11.1	18.2
99537 2002 EE_{97}	16.3	X	349.60107	12.50858	115.71781	5.38041	0.1173216	0.29738783	2.2229034	21	—	—
99538 2002 EK_{97}	15.6	X	216.02673	331.77572	242.56835	8.37909	0.1210058	0.24204326	2.5500032	21	12 31.8	19.3
99539 2002 ES_{97}	16.6	X	308.25155	143.89867	113.83411	3.62885	0.0779564	0.30962627	2.1639349	21	2 27.2	18.9
99540 2002 EA_{98}	15.7	X	136.81575	223.98601	51.72085	6.07520	0.1527317	0.28552315	2.2840652	21	—	—
99541 2002 EG_{98}	15.9	X	174.33186	140.20346	116.00724	6.42870	0.1002038	0.28814660	2.2701805	21	—	—
99542 2002 ED_{99}	16.4	X	243.00121	226.09757	354.51668	5.77380	0.1207032	0.29348242	2.2425802	21	—	—
99543 2002 EO_{99}	16.2	X	311.15043	50.85649	86.57957	6.54684	0.0348307	0.29642275	2.2277256	21	—	—
99544 2002 EE_{100}	16.1	X	71.57311	305.00756	5.07525	6.82935	0.1308479	0.28261700	2.2996965	21	12 10.3	19.4
99545 2002 EM_{103}	15.6	X	170.70005	185.79144	84.57998	7.49420	0.1398939	0.24064472	2.5598734	21	—	—
99546 2002 EB_{104}	15.3	X	129.61953	107.33083	148.16560	13.72533	0.0306352	0.23270104	2.6178042	21	11 24.5	19.2
99547 2002 EA_{106}	16.5	X	289.40491	69.23900	108.01795	6.46327	0.0362732	0.29604753	2.2296075	21	—	—
99548 2002 EV_{107}	15.5	X	140.96424	193.82992	35.07922	5.40668	0.0520593	0.23187143	2.6240446	21	10 31.9	19.3
99549 2002 EE_{119}	15.0	X	220.83044	346.91760	286.77402	12.63521	0.1716932	0.24654285	2.5188817	21	—	—
99550 2002 EJ_{128}	16.2	X	344.23526	220.51621	72.49261	4.97542	0.0446619	0.26806758	2.3821724	21	6 24.1	18.9
99551 2002 ED_{129}	15.9	X	145.96281	329.69466	312.95774	3.98696	0.1432507	0.23747700	2.5825873	21	—	—
99552 2002 EQ_{129}	16.3	X	138.11288	354.34372	310.79595	3.85769	0.1513260	0.29030070	2.2589364	21	—	—
99553 2002 EV_{142}	15.5	X	50.96434	289.26181	36.17076	4.36179	0.1700145	0.23271098	2.6177297	21	12 2.6	18.9
99554 2002 EV_{143}	15.5	X	53.80853	164.30258	168.72272	4.63263	0.1909872	0.23659134	2.5890285	21	12 19.7	19.2
99555 2002 ES_{145}	16.3	X	167.07065	238.73428	13.78783	2.28824	0.0870307	0.28646755	2.2790425	21	—	—
99556 2002 EY_{145}	16.0	X	237.06509	342.15809	253.85698	3.42390	0.0684727	0.24467722	2.5316696	21	—	—
99557 2002 EE_{146}	15.1	X	31.72207	176.61989	158.57050	18.14474	0.2802045	0.23358500	2.6111957	21	12 10.5	18.8
99558 2002 EW_{146}	15.3	X	112.87423	20.64594	291.81445	6.28975	0.1405283	0.23927038	2.5696665	21	—	—
99559 2002 FL_{1}	15.2	X	155.16699	215.49671	6.51383	25.44693	0.1963476	0.28365682	2.2940730	21	11 2.3	19.3
99560 2002 FD_{2}	15.6	X	135.25666	99.88732	160.73591	1.80816	0.0532948	0.23231876	2.6206752	21	12 4.8	19.2
99561 2002 FJ_{4}	15.9	X	146.74148	189.42938	8.95958	4.17029	0.1009371	0.27747349	2.3280290	21	10 5.3	19.1
99562 2002 FN_{5}	16.3	X	194.20238	251.51124	273.59395	3.48887	0.0271526	0.28104482	2.3082650	21	10 19.3	19.3
99563 2002 FL_{8}	15.6	X	157.41713	46.15612	271.94519	4.84434	0.0984391	0.24557716	2.5254808	21	—	—
99564 2002 FT_{8}	15.3	X	357.03663	9.66449	297.49458	5.57273	0.1459849	0.27136783	2.3628191	21	8 7.4	17.2
99565 2002 FF_{10}	14.8	X	74.67485	345.96207	5.83580	25.62512	0.2085868	0.28698380	2.2763085	21	—	—
99566 2002 FT_{11}	16.2	X	108.91756	148.59506	75.63256	5.04242	0.1005855	0.27437061	2.3455480	21	9 30.2	19.5
99567 2002 FW_{12}	16.3	X	252.42978	107.29788	78.15238	1.61511	0.0854615	0.24008399	2.5638577	21	—	—
99568 2002 FB_{13}	15.2	X	233.26404	220.33799	141.15440	3.11553	0.1834592	0.26129740	2.4231445	21	4 15.5	19.1
99569 2002 FK_{13}	16.5	X	11.55728	69.66438	92.88153	2.65422	0.0785900	0.30488354	2.1863184	21	1 16.6	18.4
99570 2002 FS_{14}	15.7	X	311.65424	308.98940	188.13018	12.29743	0.1017608	0.24196545	2.5505498	21	—	—
99571 2002 FJ_{16}	15.6	X	199.37772	164.26417	85.81687	4.80751	0.0530196	0.23969266	2.5666475	21	—	—
99572 2002 FK_{16}	16.1	X	146.31218	121.98128	92.31273	6.92163	0.0390974	0.27904813	2.3192628	21	10 28.8	19.2
99573 2002 FC_{22}	15.7	X	324.42731	91.95377	28.57155	27.29320	0.1089004	0.24250544	2.5467622	21	—	—
99574 2002 FQ_{22}	14.7	X	284.45447	239.91873	134.64053	16.37461	0.1494079	0.21993108	2.7181806	21	7 3.9	18.5
99575 2002 FE_{25}	15.1	X	93.14716	177.92535	77.57486	16.43004	0.0929068	0.22891350	2.6466008	21	10 22.4	19.2
99576 2002 FF_{26}	15.1	X	111.33993	218.18772	87.91830	15.99578	0.1112762	0.23664406	2.5886439	21	—	—
99577 2002 FE_{33}	15.1	X	128.46284	211.73166	83.40426	8.20674	0.1603668	0.23758285	2.5818202	21	—	—
99578 2002 FP_{33}	15.7	X	112.61071	31.92433	83.55798	7.04837	0.0802745	0.26401260	2.4065023	21	5 2.6	18.8
99579 2002 FV_{33}	15.6	X	303.04320	251.08357	59.11788	6.50788	0.1065126	0.26231593	2.4168681	21	5 6.8	18.3
99580 2002 FM_{35}	16.2	X	64.28079	7.90335	289.67412	7.06702	0.0780059	0.28051522	2.3111693	21	11 5.9	19.2
99581 2002 FQ_{35}	14.4	X	88.43999	90.45650	194.58848	24.26283	0.3181532	0.17612782	3.1519845	21	11 29.9	20.0
99582 2002 FX_{37}	15.5	X	140.22417	64.94197	138.41523	14.04036	0.0424278	0.22744416	2.6579870	21	10 2.3	19.4
99583 2002 GD_{3}	15.8	X	354.22815	205.64461	48.87099	4.36578	0.1672299	0.26133827	2.4228919	21	5 4.6	17.9
99584 2002 GR_{7}	16.1	X	198.09072	166.59897	116.12373	5.09182	0.1606740	0.29375792	2.2411779	21	—	—
99585 2002 GA_{8}	15.6	X	339.66625	156.51887	140.78055	6.81605	0.1282173	0.26547154	2.3976773	21	6 16.3	17.9
99586 2002 GZ_{11}	15.6	X	208.89665	150.63127	49.68678	6.16150	0.0374841	0.23445691	2.6047179	21	12 15.4	19.1
99587 2002 GY_{15}	15.7	X	336.44865	261.28459	22.89510	7.48008	0.1262579	0.26414084	2.4057234	21	5 17.9	18.1
99588 2002 GH_{17}	14.9	X	149.22079	214.73081	58.13834	5.90491	0.1607386	0.18189855	3.0849625	21	12 25.2	20.0
99589 2002 GH_{19}	16.2	X	334.90675	292.04534	209.22705	6.14634	0.1491745	0.29685822	2.2255464	21	—	—
99590 2002 GG_{21}	15.8	X	122.38511	295.50920	296.87066	1.64806	0.1697104	0.27572885	2.3378389	21	10 26.1	19.4
99591 2002 GH_{21}	14.9	X	123.06597	305.28026	270.54651	3.30870	0.1320301	0.17171565	3.2057487	21	9 23.6	19.9
99592 2002 GM_{21}	16.0	X	333.35918	196.84838	38.31197	3.78445	0.0991759	0.30632674	2.1794460	21	3 1.2	18.2
99593 2002 GY_{21}	16.1	X	337.93046	165.70531	1.74860	2.35097	0.0358541	0.24717375	2.5145937	21	—	—
99594 2002 GH_{23}	16.1	X	258.69397	193.90314	22.29222	4.54820	0.0834700	0.29500220	2.2348715	21	—	—
99595 2002 GW_{23}	16.5	X	139.04251	230.05280	265.20889	0.51870	0.1208768	0.26813385	2.3817798	21	7 4.3	20.0
99596 2002 GG_{24}	16.0	X	124.74646	122.82513	100.22776	3.03509	0.1794318	0.27460483	2.3442141	21	10 19.1	19.7
99597 2002 GD_{26}	16.8	X	283.12943	281.45516	290.28689	1.57318	0.1148426	0.29773101	2.2211949	21	—	—
99598 2002 GG_{37}	16.6	X	160.61136	158.47756	109.46797	4.31103	0.1574571	0.28795318	2.2711970	21	—	—
99599 2002 GX_{41}	16.8	X	292.27595	175.43890	301.54688	1.01624	0.0183451	0.28715586	2.2753992	21	—	—
99600 2002 GM_{42}	14.8	X	135.02278	47.65651	199.66109	0.72292	0.1553551	0.17853770	3.1235569	21	11 13.9	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
99601 2002 GW_{45}	15.9	X	245.78375	176.04304	205.24895	5.97946	0.1302258	0.26528595	2.3987954	21	5 27.6	19.3
99602 2002 GE_{46}	15.7	X	3.96246	179.14154	41.66744	7.14770	0.0660399	0.26065070	2.4271509	21	4 11.3	18.3
99603 2002 GM_{46}	14.5	X	202.33317	147.49981	134.40117	8.59342	0.0308189	0.19448061	2.9504291	21	—	—
99604 2002 GZ_{49}	15.6	X	296.53309	347.99300	232.18628	9.56504	0.0598794	0.25167180	2.4845420	21	1 3.9	19.1
99605 2002 GR_{51}	16.5	X	74.32533	320.05584	166.06842	2.09103	0.1541706	0.25875457	2.4389938	21	4 1.3	19.0
99606 2002 GZ_{52}	16.0	X	146.04608	6.41943	155.36940	4.15862	0.1305020	0.27173205	2.3607073	21	8 17.2	19.4
99607 2002 GO_{53}	15.4	X	51.71445	148.76849	344.05969	11.87096	0.1289345	0.25644534	2.4536136	21	2 26.6	17.6
99608 2002 GN_{54}	15.0	X	35.92282	326.13292	242.22647	6.68335	0.1419498	0.21209254	2.7847473	21	5 25.9	18.1
99609 2002 GQ_{57}	15.0	X	62.77272	353.49202	261.03827	8.45402	0.0877120	0.22200691	2.7012103	21	8 29.6	18.7
99610 2002 GS_{66}	15.8	X	84.04609	205.76026	88.63344	2.08635	0.0266673	0.22960385	2.6412931	21	11 14.4	19.2
99611 2002 GL_{68}	14.9	X	202.91841	187.20632	120.83775	13.02520	0.0351953	0.19475843	2.9476226	21	1 19.2	19.1
99612 2002 GN_{71}	15.6	X	200.41668	239.50728	55.87735	5.29386	0.0481414	0.24720725	2.5143665	21	—	—
99613 2002 GV_{71}	15.4	X	334.65937	184.30973	99.32862	2.76517	0.0594389	0.21353381	2.7722025	21	5 27.8	18.7
99614 2002 GW_{71}	14.6	X	102.21018	114.63302	150.33945	3.95335	0.1624823	0.17670326	3.1451378	21	11 6.5	19.5
99615 2002 GW_{76}	16.3	X	83.26313	15.98223	83.24983	7.06979	0.0930308	0.30644358	2.1788920	21	2 19.8	18.4
99616 2002 GX_{79}	15.8	X	31.41327	205.49582	59.92296	5.16635	0.0644417	0.26972119	2.3724260	21	8 3.5	18.5
99617 2002 GF_{82}	14.6	X	87.09893	185.63854	113.37192	4.88879	0.1788010	0.17671436	3.1450061	21	12 2.6	19.4
99618 2002 GO_{82}	15.3	X	273.82465	245.79303	124.05403	6.89961	0.1030207	0.21613891	2.7498821	21	6 20.4	19.1
99619 2002 GD_{84}	16.0	X	295.48058	287.50025	138.42897	6.05632	0.0262363	0.27865572	2.3214397	21	10 27.0	18.7
99620 2002 GP_{85}	15.9	X	28.53463	246.17939	86.92929	3.40995	0.1797616	0.27692756	2.3310876	21	11 24.1	18.3
99621 2002 GT_{86}	16.0	X	173.17370	0.42779	133.18723	7.47531	0.0510979	0.27058398	2.3673801	21	8 8.6	19.1
99622 2002 GD_{88}	15.4	X	272.12447	348.55689	148.41449	5.61171	0.1867427	0.23615576	2.5922110	21	11 27.2	18.4
99623 2002 GZ_{88}	15.2	X	280.90661	241.16408	111.58569	7.43270	0.0342768	0.21308210	2.7761190	21	6 17.6	18.9
99624 2002 GB_{89}	15.9	X	109.50515	36.41931	138.86846	7.06308	0.0655910	0.26669869	2.3903168	21	7 16.9	18.9
99625 2002 GJ_{91}	16.5	X	340.96347	24.04104	281.67771	0.60172	0.1559129	0.26682801	2.3895444	21	6 29.4	18.4
99626 2002 GT_{91}	16.0	X	346.84977	228.55992	46.15465	5.98843	0.1506195	0.26332011	2.4107196	21	5 22.1	18.2
99627 2002 GK_{93}	14.4	X	352.47334	148.28349	203.24683	12.56296	0.1334728	0.17311524	3.1884469	21	9 20.7	18.3
99628 2002 GD_{95}	16.2	X	310.82916	226.31767	287.44215	2.91912	0.1298376	0.24369885	2.5384409	21	—	—
99629 2002 GR_{96}	16.6	X	192.85273	119.56574	20.73990	3.93390	0.1259433	0.27539849	2.3397081	21	9 8.4	20.0
99630 2002 GB_{99}	16.9	X	156.74872	292.88205	335.40280	3.27087	0.1682973	0.28655180	2.2785958	21	—	—
99631 2002 GG_{102}	15.1	X	309.89717	224.82408	119.36974	8.51306	0.1025143	0.21617050	2.7496142	21	7 6.9	18.4
99632 2002 GT_{103}	16.1	X	303.77566	352.95697	135.46219	7.56994	0.0394824	0.28865731	2.2675020	21	—	—
99633 2002 GV_{103}	15.2	X	271.45466	280.02029	164.18556	13.16308	0.1394091	0.22726307	2.6593988	21	9 21.9	18.6
99634 2002 GN_{105}	16.3	X	281.42870	13.11455	117.38483	7.04866	0.0373690	0.28783101	2.2718396	21	—	—
99635 2002 GT_{106}	14.5	X	193.33183	251.16288	83.54957	10.17681	0.1827288	0.19840090	2.9114340	21	2 16.4	19.5
99636 2002 GF_{107}	15.9	X	20.65460	169.65582	131.63248	6.59987	0.1324377	0.27285361	2.3542338	21	9 18.7	18.2
99637 2002 GY_{107}	15.5	X	320.89787	235.79032	119.46222	7.55676	0.1400821	0.27218387	2.3580941	21	8 9.9	17.6
99638 2002 GV_{109}	15.0	X	133.39184	286.96211	80.79821	14.91208	0.1639646	0.24538928	2.5267697	21	1 19.8	18.6
99639 2002 GE_{131}	14.6	X	333.14655	316.02407	45.92342	1.79821	0.1975228	0.17145751	3.2089654	21	8 30.1	18.0
99640 2002 GU_{140}	15.6	X	145.72584	252.34810	200.91203	7.38469	0.1991954	0.21185360	2.7868407	21	5 25.4	20.2
99641 2002 GN_{142}	16.0	X	325.66754	249.77046	86.77739	3.44786	0.1530887	0.26641068	2.3920392	21	7 17.9	18.0
99642 2002 GM_{151}	16.5	X	286.74506	322.06644	154.42982	4.49272	0.0676618	0.28562047	2.2835463	21	12 19.7	19.0
99643 2002 GE_{158}	16.3	X	284.11602	356.32937	87.80534	7.46927	0.0599772	0.28005374	2.3137076	21	11 1.5	19.0
99644 2002 GF_{159}	15.3	X	167.20462	60.38248	247.81515	2.05537	0.1379356	0.18940014	3.0029575	21	—	—
99645 2002 GE_{165}	15.3	X	18.21992	254.48499	172.10967	5.94419	0.0976072	0.23872944	2.5735467	21	—	—
99646 2002 GE_{170}	16.1	X	359.73020	179.70200	292.50588	1.94596	0.0719640	0.24308543	2.5427096	21	—	—
99647 2002 GC_{178}	15.5	X	42.35003	252.66181	179.09798	5.83343	0.1239808	0.24418239	2.5350887	21	—	—
99648 2002 HR	16.1	X	99.22413	143.31058	109.63951	7.25638	0.2090746	0.27390356	2.3482136	21	11 5.5	19.8
99649 2002 HG_{1}	15.1	X	274.73022	100.01992	48.15550	5.33539	0.0719737	0.23566041	2.5958423	21	12 31.0	18.4
99650 2002 HF_{2}	16.2	X	94.56772	194.21454	111.70494	3.71823	0.0649883	0.28483824	2.2877252	21	12 26.0	19.1
99651 2002 HB_{4}	14.7	X	100.81212	131.65842	73.33916	15.46842	0.0848956	0.21773526	2.7364249	21	8 23.5	18.9
99652 2002 HD_{4}	13.8	X	86.02830	258.14197	61.28937	15.66474	0.2231064	0.17797463	3.1301416	21	12 27.7	19.0
99653 2002 HO_{4}	15.1	X	133.68118	218.98684	69.82085	15.33916	0.1741879	0.23079223	2.6322184	21	—	—
99654 2002 HP_{4}	15.7	X	88.17327	54.56448	105.22884	8.35852	0.1493230	0.26150938	2.4218349	21	6 10.1	18.7
99655 2002 HL_{6}	16.6	X	224.11614	222.58048	312.00156	4.95705	0.0757572	0.28649799	2.2788811	21	12 6.0	19.4
99656 2002 HD_{9}	15.7	X	18.43612	140.54580	108.40759	7.42909	0.0697436	0.26443935	2.4039126	21	6 15.8	18.2
99657 2002 HG_{9}	15.3	X	15.00006	267.41079	164.94977	7.43022	0.0862935	0.24072659	2.5592930	21	—	—
99658 2002 HV_{9}	15.7	X	287.38254	173.88669	189.04679	5.83420	0.0328273	0.21728109	2.7402368	21	7 9.2	19.4
99659 2002 HW_{11}	15.8	X	146.82642	96.35346	68.69378	7.52225	0.0694910	0.27330005	2.3516693	21	8 23.9	19.1
99660 2002 HY_{11}	15.6	X	61.60584	307.25421	257.37845	3.80923	0.1495159	0.26493104	2.4009373	21	7 4.2	18.3
99661 2002 HL_{13}	14.4	X	236.05266	44.00321	160.72148	29.30372	0.1073488	0.23565517	2.5958807	21	—	—
99662 2002 HS_{13}	15.1	X	27.34776	260.00039	146.61485	26.96321	0.0988101	0.23809851	2.5780911	21	—	—
99663 2002 HS_{15}	15.8	X	281.87049	211.32961	173.81043	6.12214	0.1098676	0.27013612	2.3699960	21	7 20.7	18.7
99664 2002 HK_{16}	15.8	X	26.44759	345.49190	43.53778	4.09616	0.1317116	0.23644236	2.5901158	21	—	—
99665 2002 HW_{16}	14.9	X	330.99930	345.89724	331.95462	7.49693	0.2156763	0.21249524	2.7812279	21	6 20.7	17.8
99666 2002 HQ_{17}	15.2	X	95.22223	335.89629	243.06946	7.93058	0.0972076	0.21999432	2.7176597	21	8 26.2	19.2
99667 2002 JO_{1}	15.2	X	122.01151	334.26488	164.54760	6.68252	0.1371277	0.21249521	2.7812281	21	6 22.2	19.5
99668 2002 JW_{4}	15.8	X	61.36968	264.63405	25.82896	3.55076	0.1772984	0.27472525	2.3435290	21	11 7.9	18.9
99669 2002 JE_{5}	14.7	X	141.24290	40.39720	221.01603	10.87758	0.0750848	0.17857806	3.1230862	21	12 3.9	19.5
99670 2002 JK_{6}	15.7	X	152.25125	266.03555	223.27547	4.22511	0.1183579	0.21488317	2.7605849	21	7 9.7	20.0
99671 2002 JE_{7}	15.5	X	177.12040	144.09677	92.64770	6.60975	0.0818269	0.23310706	2.6147636	21	12 19.9	19.4
99672 2002 JA_{8}	14.6	X	156.94966	225.91535	75.63242	10.90981	0.1314204	0.18781723	3.0198064	21	—	—
99673 2002 JP_{9}	15.7	X	121.31705	148.69947	78.57806	7.64277	0.1716016	0.27432218	2.3458240	21	10 22.6	19.4
99674 2002 JN_{11}	14.6	X	207.88010	247.73834	32.57435	11.65117	0.0830423	0.19044304	2.9919844	21	—	—
99675 2002 JM_{12}	15.7	X	111.14840	345.17118	241.25386	3.53047	0.1165581	0.27467399	2.3438206	21	10 2.8	19.2
99676 2002 JR_{12}	15.7	X	246.48217	63.59626	89.24010	5.32958	0.0591313	0.28245627	2.3005689	21	12 9.7	18.4
99677 2002 JC_{15}	15.1	X	328.53734	316.04403	68.02172	7.03946	0.0389779	0.22531614	2.6746966	21	10 9.5	18.5
99678 2002 JH_{15}	15.0	X	309.23197	262.82335	83.71123	10.16314	0.1545436	0.21283285	2.7782860	21	7 1.3	18.3
99679 2002 JK_{15}	15.9	X	189.65093	83.05873	113.80871	6.99054	0.0575117	0.28008616	2.3135290	21	11 25.6	18.9
99680 2002 JS_{16}	15.7	X	327.76947	138.10269	101.97322	7.25822	0.0615663	0.25669668	2.4520118	21	3 16.7	18.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
99681 2002 JU_{18}	15.2	X	57.71425	136.54785	78.57761	7.13048	0.0579956	0.21269781	2.7794617	21	6 29.2	18.7
99682 2002 JL_{20}	15.6	X	277.21312	260.23659	315.75465	3.34936	0.1206288	0.24435373	2.5339035	21	—	—
99683 2002 JX_{20}	14.6	X	107.34312	262.09152	39.92903	10.25864	0.1785265	0.17811922	3.1284474	21	12 23.1	19.8
99684 2002 JZ_{20}	14.8	X	93.35494	120.08410	230.75415	10.17894	0.1397432	0.18354895	3.0664422	21	—	—
99685 2002 JH_{21}	16.6	X	138.39769	251.42723	254.26295	0.58796	0.1291917	0.26761580	2.3848526	21	7 18.3	20.0
99686 2002 JO_{22}	14.1	X	72.08306	134.52667	147.06469	2.21874	0.2700510	0.17043056	3.2218432	21	11 7.2	19.0
99687 2002 JY_{23}	16.0	X	36.09146	96.22472	157.17525	2.61615	0.1906563	0.26522470	2.3991647	21	8 9.8	18.2
99688 2002 JR_{24}	15.3	X	7.72060	194.31143	76.04783	6.72442	0.0041031	0.21331626	2.7740870	21	6 28.5	19.0
99689 2002 JB_{26}	16.0	X	292.93458	166.69792	90.01015	6.32891	0.1202315	0.25088255	2.4897501	21	2 10.9	19.5
99690 2002 JL_{26}	15.7	X	322.21817	49.52578	105.69973	4.66788	0.0724079	0.24343431	2.5402796	21	—	—
99691 2002 JP_{27}	16.1	X	18.51433	78.43955	182.76441	3.11637	0.1017588	0.26509647	2.3999383	21	7 6.1	18.4
99692 2002 JS_{27}	15.5	X	228.89031	163.14246	65.02867	9.85669	0.0666514	0.23891463	2.5722167	21	—	—
99693 2002 JV_{27}	14.8	X	188.66502	278.38255	46.54188	10.85358	0.1053769	0.19292300	2.9662884	21	1 30.3	19.6
99694 2002 JR_{29}	16.0	X	122.95103	358.90682	204.90317	6.07823	0.0689584	0.27151604	2.3619592	21	9 11.4	19.3
99695 2002 JS_{29}	15.7	X	130.83340	235.38566	87.44600	5.23559	0.1185955	0.23594998	2.5937180	21	—	—
99696 2002 JC_{30}	15.0	X	153.36188	222.94816	76.30618	2.29848	0.1251797	0.18400728	3.0613481	21	—	—
99697 2002 JX_{31}	16.2	X	166.20700	48.72554	74.26512	2.38748	0.1282009	0.26777060	2.3839334	21	7 17.9	19.7
99698 2002 JY_{31}	15.4	X	177.37432	71.00611	117.49546	2.18420	0.1093011	0.22659509	2.6646226	21	10 20.4	19.5
99699 2002 JD_{34}	14.6	X	96.76224	116.36727	224.77092	10.35414	0.0651115	0.18219923	3.0815675	21	—	—
99700 2002 JN_{34}	16.6	X	202.66312	21.33272	140.40128	3.33066	0.0974918	0.27736213	2.3286521	21	10 20.6	19.8
99701 2002 JW_{34}	16.1	X	246.04163	60.03898	210.17784	4.33534	0.1436589	0.24474572	2.5311972	21	1 6.9	20.0
99702 2002 JN_{35}	16.1	X	298.89084	112.17625	89.65567	4.72780	0.1221005	0.29614178	2.2291344	21	—	—
99703 2002 JU_{35}	15.0	X	345.30097	226.32758	73.78676	14.09934	0.1423519	0.21050469	2.7987334	21	6 30.9	18.1
99704 2002 JX_{35}	14.9	X	84.40611	176.77155	225.91318	8.48779	0.0735994	0.19033835	2.9930813	21	—	—
99705 2002 JY_{36}	15.3	X	283.15089	105.62284	167.39330	5.88885	0.0384755	0.20103949	2.8859035	21	3 8.8	19.2
99706 2002 JC_{38}	14.4	X	150.78884	199.07376	81.21959	10.44714	0.0701354	0.18128497	3.0919195	21	—	—
99707 2002 JY_{38}	14.4	X	54.87596	99.92730	247.23025	9.72732	0.0892594	0.17765947	3.1338423	21	12 12.9	18.7
99708 2002 JN_{39}	15.6	X	165.85087	176.86202	131.78477	6.76374	0.1552200	0.23842763	2.5757181	21	—	—
99709 2002 JW_{39}	14.2	X	56.80700	265.41288	88.05453	14.57766	0.2051815	0.17567261	3.1574272	21	—	—
99710 2002 JX_{39}	16.1	X	260.43679	91.73134	168.48965	4.19434	0.1925668	0.29696812	2.2249974	21	—	—
99711 2002 JK_{40}	15.5	X	108.37154	55.57679	249.20775	5.76048	0.1263178	0.28442733	2.2899280	21	—	—
99712 2002 JR_{40}	16.2	X	68.88178	262.69131	268.47358	1.71322	0.1231716	0.26267338	2.4146749	21	5 22.5	18.8
99713 2002 JS_{40}	16.1	X	105.76470	271.53618	231.64941	2.43680	0.1374787	0.26469284	2.4023775	21	6 7.6	19.1
99714 2002 JQ_{41}	15.1	X	57.75402	117.76635	214.26014	4.32088	0.1499002	0.28115482	2.3076629	21	12 25.8	18.2
99715 2002 JY_{41}	14.7	X	177.87330	176.30987	4.98909	2.70319	0.1162895	0.17804565	3.1293091	21	10 5.9	19.6
99716 2002 JU_{42}	16.0	X	58.20701	113.87086	115.15753	6.71470	0.0730591	0.26585992	2.3953417	21	7 22.7	18.8
99717 2002 JS_{43}	15.9	X	92.96467	296.12927	282.41027	3.34336	0.1547976	0.27013899	2.3699792	21	9 5.2	19.1
99718 2002 JV_{43}	15.3	X	178.82559	310.65238	242.78842	11.21269	0.0985819	0.22829095	2.6514102	21	10 25.8	19.4
99719 2002 JA_{44}	15.9	X	68.97094	338.28621	262.33554	3.46286	0.1458326	0.26982027	2.3718452	21	9 3.9	18.8
99720 2002 JK_{45}	16.2	X	343.51990	21.78650	238.54170	2.67317	0.0483782	0.26052348	2.4279410	21	5 5.3	19.1
99721 2002 JN_{45}	16.4	X	73.67624	343.05964	312.65427	3.33114	0.0957646	0.27725062	2.3292764	21	11 18.7	19.5
99722 2002 JW_{46}	15.9	X	55.02650	276.46972	269.28245	5.94492	0.1176118	0.26075975	2.4264742	21	5 19.3	18.4
99723 2002 JA_{47}	14.4	X	106.88745	38.44692	267.04709	7.56024	0.2142626	0.17762370	3.1342631	21	12 28.9	19.7
99724 2002 JM_{48}	14.8	X	137.89882	122.56046	235.84680	9.10055	0.0846051	0.19162024	2.9797177	21	1 10.7	19.2
99725 2002 JK_{49}	16.3	X	187.62259	274.99840	274.43966	5.50086	0.0826859	0.27934667	2.3176101	21	11 7.5	19.5
99726 2002 JZ_{50}	16.5	X	90.24808	215.70817	354.85575	1.95054	0.1461703	0.26780631	2.3837215	21	8 22.9	19.7
99727 2002 JW_{52}	16.7	X	230.68142	242.18152	353.64117	5.47382	0.0956553	0.29171242	2.2516425	21	—	—
99728 2002 JX_{54}	16.1	X	58.79812	195.07530	62.58001	2.07146	0.1596866	0.26825449	2.3810657	21	9 19.1	18.9
99729 2002 JQ_{55}	16.5	X	82.39880	207.79618	29.51302	2.37606	0.1710924	0.26935557	2.3745724	21	9 22.6	19.8
99730 2002 JL_{57}	15.0	X	220.55936	345.21736	270.11339	3.45999	0.0871873	0.18818132	3.0159100	21	—	—
99731 2002 JM_{57}	16.0	X	138.49339	268.79504	260.00881	5.06483	0.1587202	0.26965551	2.3728112	21	8 18.1	19.7
99732 2002 JN_{57}	14.6	X	214.89327	266.73527	47.71524	10.35672	0.0881653	0.19475109	2.9476967	21	2 13.1	19.3
99733 2002 JB_{58}	15.1	X	220.28989	260.25529	62.44531	2.72603	0.0909482	0.19795321	2.9158220	21	2 24.6	19.7
99734 2002 JN_{61}	16.1	X	116.06872	126.73860	146.82687	3.43267	0.1324380	0.27903023	2.3193620	21	12 10.8	19.6
99735 2002 JT_{61}	15.7	X	34.40810	152.65682	100.45205	7.65088	0.0819671	0.26493612	2.4009066	21	7 21.4	18.3
99736 2002 JW_{61}	16.1	X	208.21654	108.33807	92.60344	6.68395	0.1120746	0.28474429	2.2882284	21	12 16.2	19.0
99737 2002 JQ_{63}	16.3	X	154.23610	12.04244	183.75772	2.06442	0.1487059	0.27487663	2.3426685	21	10 10.1	19.9
99738 2002 JN_{64}	14.6	X	80.34351	102.09872	229.11553	14.97627	0.0765275	0.17808194	3.1288840	21	12 20.6	19.3
99739 2002 JT_{64}	15.0	X	301.21314	116.22078	69.14954	5.68597	0.1485856	0.24241829	2.5473726	21	—	—
99740 2002 JO_{65}	15.2	X	253.35439	146.39422	79.80298	8.61038	0.0986010	0.24023943	2.5627516	21	—	—
99741 2002 JX_{66}	16.5	X	185.59197	21.27268	146.02774	2.83172	0.1420994	0.27636240	2.3342645	21	10 5.3	19.8
99742 2002 JY_{68}	16.2	X	232.00302	58.18666	132.31874	7.30552	0.0502032	0.28793128	2.2713121	21	—	—
99743 2002 JP_{69}	16.0	X	55.45766	184.03363	105.96456	7.00256	0.1786639	0.27403377	2.3474697	21	11 3.7	19.1
99744 2002 JZ_{69}	15.2	X	193.13593	130.60873	73.60876	14.03904	0.1221635	0.23229561	2.6208493	21	11 24.7	19.1
99745 2002 JK_{71}	16.2	X	236.67923	87.77976	115.09054	6.20339	0.1246170	0.28873409	2.2671000	21	—	—
99746 2002 JJ_{73}	15.1	X	6.95642	243.64369	90.65374	15.48681	0.0820621	0.22031222	2.7150448	21	10 6.9	18.7
99747 2002 JK_{74}	14.7	X	126.06344	134.45736	149.60440	11.13008	0.1090530	0.18157836	3.0885881	21	12 17.5	19.7
99748 2002 JP_{77}	16.6	X	60.65925	287.35330	231.48940	0.71583	0.1240137	0.26010055	2.4305723	21	4 20.4	19.0
99749 2002 JF_{79}	15.7	X	199.72397	248.41743	19.07239	5.74947	0.0512921	0.24135034	2.5548816	21	—	—
99750 2002 JC_{83}	16.6	X	132.44915	338.31929	258.24701	1.30312	0.0262827	0.27850939	2.3222528	21	11 6.7	19.5
99751 2002 JG_{83}	15.3	X	102.55985	315.78983	352.32454	3.27889	0.0946456	0.18006438	3.1058765	21	12 20.3	20.1
99752 2002 JK_{84}	15.3	X	101.58072	301.31901	262.70223	3.59790	0.0476128	0.21878559	2.7276600	21	8 10.3	19.1
99753 2002 JC_{85}	15.2	X	105.66133	59.69944	299.86145	0.96271	0.0762536	0.18775930	3.0204275	21	—	—
99754 2002 JV_{88}	16.0	X	249.39727	270.39986	231.43843	2.46532	0.0392937	0.23095230	2.6310020	21	11 21.5	19.6
99755 2002 JZ_{88}	16.4	X	283.90808	133.62327	216.29762	1.08250	0.0828034	0.26370530	2.4083715	21	6 8.2	19.2
99756 2002 JH_{90}	16.5	X	165.00347	131.56624	353.28159	2.12599	0.1703684	0.26994934	2.3710891	21	7 20.1	20.2
99757 2002 JK_{90}	16.7	X	88.59762	197.78378	37.08959	2.30516	0.0780974	0.27148310	2.3621502	21	9 14.8	19.6
99758 2002 JN_{90}	15.0	X	67.92303	136.23176	226.44293	7.85313	0.1037191	0.18179524	3.0861311	21	—	—
99759 2002 JY_{99}	15.4	X	266.17696	91.39109	179.21114	13.94779	0.1802873	0.24532418	2.5272167	21	1 22.1	19.7
99760 2002 JN_{100}	14.8	X	262.12071	16.87437	118.34370	15.54709	0.1049250	0.23310492	2.6147796	21	11 25.3	18.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
99761 2002 JK_{101}	15.7	X	191.06411	15.61975	119.60609	24.95327	0.2962280	0.27283892	2.3543182	21	8 25.2	20.1
99762 2002 JF_{102}	15.3	X	209.47936	221.28345	86.62582	5.20777	0.2818449	0.24112616	2.5564649	21	1 22.8	20.0
99763 2002 JG_{102}	15.8	X	88.06724	69.39077	77.41639	2.38799	0.1340203	0.25918557	2.4362892	21	5 19.4	18.6
99764 2002 JK_{102}	15.1	X	248.12842	116.52439	172.22464	1.97661	0.0564061	0.19601936	2.9349683	21	2 13.7	19.5
99765 2002 JZ_{102}	16.3	X	133.41130	100.60814	121.11078	3.95512	0.1803074	0.27448240	2.3449111	21	10 25.6	20.0
99766 2002 JC_{103}	15.3	X	288.15501	138.84490	101.45958	3.11521	0.0609767	0.19589304	2.9362298	21	1 31.9	19.4
99767 2002 JP_{104}	14.8	X	143.87528	325.17106	18.35986	3.88376	0.1275884	0.19050058	2.9913819	21	1 7.1	19.2
99768 2002 JW_{104}	15.4	X	209.08849	85.51940	167.59753	0.35781	0.1330903	0.18552574	3.0446212	21	—	—
99769 2002 JD_{106}	15.9	X	241.60077	93.74361	66.00761	5.42377	0.0725758	0.28398273	2.2923174	21	12 10.1	18.6
99770 2002 JU_{106}	14.3	X	91.90442	64.94820	263.53142	10.64756	0.0903778	0.18197539	3.0840940	21	—	—
99771 2002 JE_{110}	16.4	X	50.76965	268.40446	356.72621	3.69066	0.1075770	0.26830947	2.3807404	21	9 8.5	19.1
99772 2002 JL_{110}	16.2	X	282.80398	233.11603	309.14279	5.43331	0.1094361	0.29188776	2.2507407	21	—	—
99773 2002 JC_{112}	15.1	X	240.30504	259.54018	277.72409	8.12448	0.1372880	0.23386970	2.6090761	21	12 11.1	18.7
99774 2002 JL_{112}	15.4	X	177.92585	275.38176	17.21045	4.39250	0.1605883	0.23664536	2.5886344	21	—	—
99775 2002 JA_{113}	15.3	X	271.06424	272.74413	137.69109	15.07265	0.0363662	0.22133306	2.7066900	21	8 21.7	18.9
99776 2002 JP_{114}	14.8	X	5.54693	234.59290	88.54142	13.25566	0.1032916	0.21762634	2.7373379	21	9 18.8	18.3
99777 2002 JR_{114}	15.7	X	96.20276	33.96932	157.05882	8.34930	0.0480207	0.26530354	2.3986894	21	7 18.0	18.8
99778 2002 JC_{115}	14.6	X	187.95860	358.72821	211.85180	16.39192	0.1548277	0.17746945	3.1360789	21	11 17.7	19.7
99779 2002 JN_{115}	16.2	X	130.69922	357.81451	212.24378	5.95772	0.0585544	0.27405246	2.3473629	21	9 29.4	19.4
99780 2002 JM_{116}	15.8	X	287.25715	259.20761	120.02929	6.86953	0.1450408	0.26967345	2.3727060	21	7 15.3	18.3
99781 2002 JY_{118}	15.6	X	248.36555	172.51248	79.20827	12.76508	0.1427035	0.24627913	2.5206796	21	—	—
99782 2002 JA_{121}	15.2	X	221.74345	180.17640	79.18566	16.73990	0.1367877	0.24167565	2.5525884	21	—	—
99783 2002 JE_{127}	15.4	X	276.14648	59.10182	141.22115	5.70346	0.0861129	0.24221438	2.5488020	21	—	—
99784 2002 JT_{129}	15.5	X	50.86490	247.18333	76.09125	10.32478	0.1540919	0.22497389	2.6774085	21	11 27.4	19.1
99785 2002 JU_{133}	14.8	X	158.90466	252.58528	353.72671	4.69828	0.1342613	0.17883254	3.1201228	21	12 2.3	19.8
99786 2002 JD_{141}	15.7	X	164.06370	297.93676	205.17741	8.47029	0.0741458	0.21661789	2.7458270	21	8 5.6	19.9
99787 2002 JM_{146}	16.2	X	95.86488	333.43084	277.88748	6.00915	0.0965124	0.27368837	2.3494443	21	10 14.8	19.5
99788 2002 KV_{1}	15.3	X	321.01833	122.72045	122.31936	3.07963	0.0382483	0.20387349	2.8590969	21	3 22.7	19.1
99789 2002 KE_{2}	15.4	X	16.15955	342.06681	292.46663	13.65076	0.2444681	0.25980450	2.4324184	21	8 4.7	17.1
99790 2002 KS_{2}	17.3	X	326.28731	339.76725	207.90978	1.51283	0.1113803	0.30041873	2.2079270	21	—	—
99791 2002 KD_{4}	14.8	X	196.45819	271.74662	290.96600	27.49263	0.1466578	0.22492716	2.6777793	21	11 19.8	19.5
99792 2002 KN_{4}	14.8	X	174.61829	16.28998	234.50530	4.87828	0.0913561	0.18062435	3.0994540	21	12 24.2	19.5
99793 2002 KO_{4}	16.7	X	93.95181	41.29569	174.60174	1.40652	0.1319781	0.26818669	2.3814670	21	9 1.2	20.0
99794 2002 KS_{5}	16.1	X	0.60188	146.39241	155.62046	1.43739	0.1889321	0.26343056	2.4100457	21	8 9.2	17.8
99795 2002 KM_{6}	14.7	X	167.31698	356.76533	280.97365	9.52554	0.4054276	0.22965881	2.6408717	21	—	—
99796 2002 KL_{12}	14.5	X	51.53053	193.38813	151.02778	11.78507	0.1202319	0.17450619	3.1714813	21	12 10.9	19.1
99797 2002 KJ_{13}	16.4	X	188.98179	335.83933	245.39558	5.15228	0.0936382	0.28265708	2.2994791	21	12 21.6	19.6
99798 2002 LT	14.9	X	220.31774	32.55868	145.82118	23.03622	0.0470185	0.23190695	2.6237767	21	12 5.4	19.0
99799 2002 LJ_{3}	18.3	X	198.24530	249.88627	122.36318	7.55777	0.2756910	0.55758600	1.4619353	21	3 3.8	19.5
99800 2002 LF_{7}	15.1	X	149.81366	319.18066	179.52710	7.75532	0.1619641	0.21536452	2.7564701	21	7 20.6	19.7
99801 2002 LP_{10}	14.3	X	142.98408	229.33378	119.86462	8.12152	0.2278842	0.18466692	3.0540535	21	1 23.5	19.2
99802 2002 LQ_{11}	15.9	X	48.31809	163.40463	108.21419	9.28567	0.2377107	0.26646438	2.3917178	21	10 10.5	19.0
99803 2002 LL_{13}	14.4	X	124.16512	39.13031	271.51937	8.53841	0.0821444	0.18115900	3.0933527	21	—	—
99804 2002 LL_{14}	16.0	X	177.61220	258.91292	261.38538	5.35383	0.0505918	0.27165075	2.3611783	21	9 17.0	19.3
99805 2002 LY_{16}	16.2	X	84.53843	196.00286	69.26121	3.50443	0.1461743	0.27157400	2.3616231	21	10 29.5	19.5
99806 2002 LN_{17}	14.3	X	26.59836	289.93234	78.61277	10.52352	0.0900882	0.17405246	3.1769906	21	12 2.8	18.4
99807 2002 LU_{18}	14.9	X	78.54629	223.32610	82.23170	15.48197	0.1134125	0.22387494	2.6861632	21	12 2.4	18.7
99808 2002 LE_{20}	15.9	X	280.02771	175.31042	67.63582	4.81374	0.2441858	0.24424487	2.5346564	21	—	—
99809 2002 LW_{20}	15.1	X	44.45854	197.61243	110.76791	10.32638	0.1684286	0.21662475	2.7457690	21	11 4.6	18.8
99810 2002 LD_{22}	15.0	X	137.96983	23.24422	252.54392	3.76639	0.1418032	0.17743530	3.1364813	21	12 18.3	20.1
99811 2002 LF_{25}	15.1	X	186.44166	61.06771	130.49522	15.30733	0.0345434	0.22753648	2.6572680	21	11 12.4	19.1
99812 2002 LW_{31}	14.2	X	103.59901	100.11741	250.22081	4.42700	0.1841082	0.17648360	3.1477469	21	—	—
99813 2002 LT_{34}	15.6	X	239.38938	155.47969	93.88481	10.88080	0.1660482	0.23787206	2.5797271	21	—	—
99814 2002 LS_{43}	13.3	X	217.54209	307.11826	284.58448	21.41353	0.0799049	0.17517797	3.1633680	21	—	—
99815 2002 LR_{45}	14.7	X	331.90779	116.46743	245.42335	6.31975	0.1688886	0.21553394	2.7550254	21	8 30.2	17.7
99816 2002 LH_{49}	14.6	X	76.66447	142.87947	263.68394	9.79108	0.1044486	0.18102916	3.0948317	21	—	—
99817 2002 LP_{50}	15.5	X	225.65259	162.33599	113.18349	10.05337	0.0433055	0.24398300	2.5364697	21	—	—
99818 2002 LO_{51}	15.5	X	287.73853	8.82810	157.13226	5.49002	0.1416221	0.23845795	2.5754997	21	—	—
99819 2002 LH_{52}	15.1	X	143.96658	299.10530	249.10400	8.98409	0.2936297	0.21860092	2.7291960	21	9 16.1	20.2
99820 2002 LG_{56}	14.9	X	152.82698	117.70768	138.56807	23.86787	0.2253358	0.27867171	2.3213509	21	12 24.0	19.2
99821 2002 LC_{57}	15.3	X	86.44462	142.71750	126.52853	10.31322	0.1530986	0.21786138	2.7353687	21	11 2.9	19.6
99822 2002 MA	14.2	X	342.02632	235.42239	123.26042	15.63538	0.0201745	0.16747803	3.2595988	21	9 20.8	18.9
99823 2002 ME_{2}	13.9	X	4.37175	126.42373	278.77065	15.39530	0.0780496	0.17114271	3.2128993	21	12 15.1	18.1
99824 Polnareff	15.5	X	94.07702	109.99958	123.56294	11.76849	0.0534987	0.21388262	2.7691876	21	9 14.4	19.5
99825 2002 NK_{7}	14.3	X	89.14744	88.30094	307.49424	14.66555	0.1593780	0.18078043	3.0976697	21	1 11.9	18.3
99826 2002 NJ_{8}	14.3	X	65.41655	76.65419	270.81865	8.55560	0.0486480	0.17072178	3.2181783	21	12 18.9	18.9
99827 2002 NR_{9}	14.9	X	168.21970	224.21247	130.84853	13.71607	0.1095119	0.18759956	3.0221418	21	2 13.2	19.6
99828 2002 NS_{9}	15.8	X	264.57289	46.25092	197.49405	2.85139	0.1774191	0.24091775	2.5579390	21	—	—
99829 2002 NV_{9}	14.7	X	109.53088	201.63964	158.14937	5.95039	0.1542461	0.17859221	3.1229213	21	—	—
99830 2002 NQ_{10}	15.2	X	157.62960	90.99187	281.66046	1.90914	0.1768496	0.18753014	3.0228876	21	2 26.9	20.0
99831 2002 NH_{11}	15.4	X	31.12055	35.34079	274.35762	3.64232	0.1459475	0.21408354	2.7674548	21	10 7.5	18.8
99832 2002 NL_{14}	15.7	X	265.96124	130.16730	130.95305	4.85918	0.2219448	0.24217374	2.5490872	21	1 10.3	19.9
99833 2002 NY_{18}	14.5	X	138.40716	199.26210	135.82503	17.90256	0.1111734	0.17922213	3.1155995	21	—	—
99834 2002 NX_{19}	14.9	X	106.55464	330.56166	289.59894	12.51676	0.1681494	0.21826030	2.7320347	21	11 5.2	19.4
99835 2002 NQ_{20}	15.2	X	285.56307	288.39253	267.68829	12.09401	0.1118218	0.23671610	2.5881187	21	—	—
99836 2002 NW_{20}	14.8	X	262.26105	136.06361	168.65604	9.66616	0.0112291	0.19299339	2.9655671	21	3 28.7	18.9
99837 2002 NJ_{21}	15.3	X	108.03878	63.25028	166.32317	5.21604	0.1969187	0.26816654	2.3815863	21	10 12.2	19.1
99838 2002 NX_{23}	14.4	X	230.28833	35.74816	298.83547	9.17094	0.0581618	0.19207977	2.9749635	21	3 17.6	18.9
99839 2002 NF_{25}	14.2	X	212.13296	13.62345	290.23451	9.59408	0.0905319	0.18425359	3.0586193	21	1 25.2	19.0
99840 2002 NN_{28}	14.6	X	119.72787	32.88793	14.78658	3.40485	0.1627115	0.18748651	3.0233565	21	3 3.5	19.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
99841 2002 NX_{32}	14.1	X	159.03272	353.92721	305.04550	15.04125	0.2406720	0.17439631	3.1728134	21	—	—
99842 2002 NT_{33}	13.9	X	42.50967	91.60773	276.46622	12.62739	0.1270546	0.16993801	3.2280658	21	12 26.6	18.3
99843 2002 NT_{34}	14.1	X	42.91154	152.05374	244.54235	8.42324	0.0717627	0.17439749	3.1727990	21	—	—
99844 2002 NR_{41}	14.8	X	75.12999	346.55319	101.64095	8.75833	0.0575243	0.18662024	3.0327053	21	2 12.3	18.9
99845 2002 NP_{42}	15.1	X	358.73796	60.75096	109.15588	14.56351	0.0937315	0.24137521	2.5547061	21	1 21.7	18.1
99846 2002 NK_{45}	15.7	X	348.19369	44.47238	120.60165	15.67208	0.0550227	0.24023013	2.5628178	21	1 4.9	19.1
99847 2002 NV_{46}	15.5	X	179.97003	143.79501	115.72134	5.96593	0.0987593	0.22845204	2.6501636	21	—	—
99848 2002 NY_{49}	15.0	X	93.48833	205.83532	146.01689	1.73761	0.1607167	0.17399448	3.1776964	21	—	—
99849 2002 NP_{51}	14.6	X	266.17454	181.03787	118.30917	16.20219	0.1170110	0.24472125	2.5313659	21	3 11.5	18.5
99850 2002 NS_{52}	13.4	X	81.37452	290.44177	109.57308	4.10106	0.2347170	0.12457990	3.9704287	21	1 28.6	18.6
99851 2002 OA_{3}	13.7	X	258.03623	226.13071	312.87193	19.89523	0.0395369	0.17010385	3.2259673	21	—	—
99852 2002 OL_{8}	14.7	X	131.42647	90.23293	271.41241	3.65600	0.1556912	0.18058013	3.0999599	21	1 19.3	19.3
99853 2002 OG_{9}	15.5	X	111.69761	289.88418	267.88857	6.14777	0.1558018	0.20903543	2.8118325	21	8 24.6	19.8
99854 2002 OD_{10}	14.7	X	177.71691	77.44657	276.28787	7.36115	0.0441655	0.18588338	3.0407147	21	2 14.0	19.3
99855 2002 OG_{10}	14.9	X	266.82561	21.36716	240.83947	8.17512	0.0384359	0.18591053	3.0404187	21	2 3.5	19.5
99856 2002 OS_{11}	15.5	X	160.77368	64.96973	222.53452	12.11696	0.1650442	0.22977159	2.6400075	21	—	—
99857 2002 OU_{15}	14.6	X	5.80345	250.24976	208.85971	10.18550	0.0822795	0.17658645	3.1465246	21	—	—
99858 2002 OX_{20}	15.1	X	265.80348	113.27546	123.55332	14.86912	0.1565911	0.23804838	2.5784531	21	—	—
99859 2002 OG_{21}	14.5	X	172.52047	314.81722	294.23919	9.35932	0.0275464	0.17163428	3.2067617	21	12 21.8	19.3
99860 2002 OL_{21}	15.8	X	306.51023	291.66974	321.64585	12.78278	0.1982540	0.24560002	2.5253241	21	2 10.9	19.3
99861 Tscharnuter	15.2	X	217.99614	321.84984	109.16745	3.25194	0.0517954	0.20353379	2.8622773	21	7 8.4	19.2
99862 Kenlevin	14.4	X	111.02307	261.73453	120.59750	10.08980	0.2605916	0.12545495	3.9519447	21	2 13.6	20.4
99863 Winnewisser	15.7	X	315.92787	228.83525	58.00637	3.28067	0.0513120	0.19721024	2.9231409	21	5 6.9	19.4
99864 2002 OF_{26}	14.5	X	136.15204	155.88311	133.89762	16.73353	0.0430101	0.17132696	3.2105953	21	12 29.9	19.4
99865 2002 PN_{20}	14.3	X	346.29522	295.20418	137.49067	23.17584	0.1528748	0.16989070	3.2286650	21	12 28.4	18.4
99866 2002 PX_{22}	14.5	X	343.98792	164.08560	308.34882	11.62326	0.0179415	0.17681061	3.1438646	21	—	—
99867 2002 PE_{24}	15.3	X	348.29593	61.88722	172.10454	2.44962	0.0184514	0.19539835	2.9411835	21	4 16.3	19.1
99868 2002 PD_{30}	14.2	X	45.83692	142.93746	317.11528	9.83653	0.0467362	0.18276313	3.0752256	21	1 17.8	18.2
99869 2002 PF_{46}	15.3	X	324.52928	45.49332	194.56278	2.76293	0.4034300	0.24796925	2.5092128	21	1 16.9	18.8
99870 2002 PZ_{47}	14.3	X	118.57734	107.46370	220.15525	9.52985	0.0859148	0.17205819	3.2014925	21	—	—
99871 2002 PB_{53}	15.0	X	254.23927	298.38694	356.30734	2.53252	0.0587357	0.18978106	2.9989378	21	3 1.1	19.3
99872 2002 PL_{53}	15.6	X	114.16653	205.46037	121.93817	7.53286	0.2123797	0.17265125	3.1941568	21	—	—
99873 2002 PA_{54}	14.3	X	94.03412	345.63671	66.94616	3.29604	0.1629958	0.18050392	3.1008323	21	2 8.4	18.4
99874 2002 PU_{70}	14.2	X	352.66123	186.36420	294.29706	16.14740	0.0715596	0.17552981	3.1591395	21	—	—
99875 2002 PE_{72}	13.8	X	212.12152	266.39412	279.65396	20.64435	0.0727396	0.16952802	3.2332682	21	11 14.6	18.9
99876 2002 PB_{74}	14.3	X	96.62753	42.00227	291.99806	15.58514	0.1426751	0.17095756	3.2152187	21	—	—
99877 2002 PB_{78}	12.9	X	114.94938	25.38821	347.19926	14.26931	0.2722846	0.12535781	3.9539860	21	2 9.8	19.0
99878 2002 PW_{83}	14.8	X	243.96010	287.12555	72.35950	2.74414	0.1029055	0.19558986	2.9392633	21	5 3.7	19.2
99879 2002 PO_{85}	14.7	X	72.51601	245.90196	113.90636	4.91034	0.1641868	0.16958740	3.2325133	21	—	—
99880 2002 PT_{91}	15.0	X	181.59322	42.37871	321.97868	8.54803	0.0942344	0.18793384	3.0185570	21	3 5.6	19.8
99881 2002 PX_{91}	14.8	X	201.82588	175.10461	141.97474	10.46933	0.0756828	0.18458924	3.0549103	21	1 30.8	19.4
99882 2002 PD_{94}	14.6	X	140.93660	31.14744	350.06665	9.12004	0.0609343	0.18325792	3.0696878	21	2 12.8	19.1
99883 2002 PP_{134}	14.2	X	95.11769	237.74961	150.54648	12.57316	0.1001764	0.17743178	3.1365227	21	1 1.8	18.6
99884 2002 PF_{135}	14.7	X	217.34151	14.97554	308.04721	9.08143	0.0619609	0.18833790	3.0142382	21	2 20.6	19.3
99885 2002 PR_{157}	14.7	X	345.04147	316.19294	125.40533	7.44981	0.1196474	0.17111531	3.2132422	21	—	—
99886 2002 PV_{158}	16.0	X	177.11530	95.71787	79.09367	2.00398	0.1006237	0.21437267	2.7649658	21	10 2.3	20.3
99887 2002 PC_{159}	15.3	X	130.23843	5.53155	69.97002	3.03832	0.0923391	0.19161214	2.9798018	21	4 9.3	19.6
99888 2002 PK_{164}	15.8	X	345.45785	288.80177	26.35229	2.20377	0.0710537	0.20652148	2.8346051	21	7 27.3	19.2
99889 2002 PS_{164}	14.7	X	297.49054	358.87252	116.57374	6.61342	0.1072605	0.17089162	3.2160457	21	12 3.8	18.8
99890 2002 PZ_{164}	15.6	X	22.96703	134.22170	132.25233	1.64168	0.0980069	0.20614604	2.8380457	21	7 21.1	19.0
99891 Donwells	15.0	X	192.38042	32.06964	296.94049	4.94979	0.0459069	0.18401160	3.0613002	21	2 3.2	19.6
99892 2002 QL	13.9	X	187.45973	357.24803	269.08248	21.42260	0.0832601	0.17179436	3.2047694	21	—	—
99893 2002 QX	14.7	X	302.31166	324.09857	139.00299	5.09186	0.0256792	0.16882426	3.2422473	21	12 2.2	19.2
99894 2002 QR_{1}	14.8	X	353.00169	88.34000	44.63852	2.54971	0.0486769	0.18002487	3.1063309	21	—	—
99895 2002 QS_{5}	13.7	X	10.61688	322.54401	276.46367	26.05851	0.1663879	0.19624766	2.9326916	21	5 23.1	17.2
99896 2002 QO_{7}	14.5	X	317.13377	314.08690	0.01285	6.83220	0.1138593	0.20204555	2.8763155	21	6 3.9	18.3
99897 2002 QO_{14}	14.2	X	212.47335	304.67017	282.99500	12.18955	0.1218986	0.17379262	3.1801566	21	12 31.6	19.1
99898 2002 QF_{32}	16.1	X	260.82342	217.60548	26.61696	4.68595	0.2152314	0.23740068	2.5831408	21	—	—
99899 2002 QJ_{32}	13.6	X	16.57610	66.18940	352.84108	12.73043	0.1490647	0.16951548	3.2334276	21	—	—
99900 2002 QL_{32}	14.7	X	259.08392	176.27142	354.28680	13.82980	0.1842974	0.22377145	2.6869913	21	12 17.7	18.4
99901 2002 QL_{44}	14.7	X	239.31839	200.49401	127.40326	11.45072	0.1072476	0.19296575	2.9658503	21	3 24.5	19.4
99902 2002 QZ_{47}	16.8	X	10.29906	328.05509	59.97730	1.23499	0.2223272	0.26930982	2.3748413	21	—	—
99903 2002 QG_{48}	15.9	X	33.72443	246.99085	67.36608	0.58255	0.0635557	0.21303089	2.7765638	21	10 8.1	19.4
99904 2002 QH_{48}	15.4	X	120.33035	34.96154	131.24941	3.86328	0.0384263	0.20424784	2.8556024	21	7 14.5	19.5
99905 Jeffgrossman	14.7	X	259.69614	143.56653	288.32667	3.43353	0.0839740	0.15287265	3.4640397	21	8 21.6	19.7
99906 Uofalberta	14.9	X	58.88489	219.89637	161.13829	11.66749	0.0875671	0.17123308	3.2117688	21	—	—
99907 1989 VA	17.9	X	138.97465	2.85383	225.59256	28.79834	0.5946619	1.58551646	0.7283759	21	—	—
99908 1990 OD_{6}	15.2	X	191.79470	191.29980	173.98674	15.09461	0.1123874	0.24359150	2.5391867	21	3 12.9	19.0
99909 1994 PU_{2}	16.0	X	225.40175	57.40538	316.57684	2.26303	0.1991509	0.24623303	2.5209942	21	4 22.1	20.2
99910 1994 TO_{4}	15.2	X	242.18852	123.63927	188.39096	13.89285	0.1302826	0.24111676	2.5565313	21	2 22.2	19.3
99911 1995 SE_{53}	15.5	X	265.81318	211.63683	183.21720	1.93052	0.2087060	0.26041166	2.4286360	21	6 27.9	18.8
99912 1995 UY_{44}	15.0	X	218.67471	333.52236	34.82968	10.03120	0.2051272	0.25109586	2.4883398	21	4 11.3	19.1
99913 1997 CZ_{5}	13.5	X	14.61279	169.55678	287.95132	24.95018	0.3980646	0.28394302	2.2925312	21	—	—
99914 1997 ST_{24}	15.4	X	98.31958	255.91589	6.59107	1.80062	0.0182940	0.20466566	2.8517146	21	10 17.2	19.3
99915 1997 TR_{6}	14.9	X	139.49818	218.29000	140.21077	3.02395	0.4034984	0.22260198	2.6963941	21	2 10.6	19.6
99916 1998 AA_{5}	14.4	X	107.17506	95.79248	272.77590	7.75295	0.1716677	0.21304253	2.7764627	21	—	—
99917 1998 HH_{19}	15.4	X	176.65987	126.54403	241.62394	3.26103	0.1515488	0.29630483	2.2283166	21	2 23.5	18.7
99918 1998 SQ_{2}	14.7	X	257.29286	38.30265	296.09123	16.66955	0.3168035	0.24401444	2.5362518	21	3 15.8	19.6
99919 1999 RR_{31}	15.3	X	199.05053	306.45480	22.76773	5.35328	0.2032267	0.29290691	2.2455168	21	2 2.2	18.9
99920 1999 RJ_{90}	14.6	X	0.32542	131.30663	14.56097	13.48813	0.0281130	0.24451541	2.5327864	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
99921 1999 RO_{190}	15.4	X	211.81961	29.24979	12.95537	6.45652	0.1424685	0.25583499	2.4575145	21	5 16.4	19.2
99922 1999 RC_{193}	15.5	X	178.75044	334.38881	21.69414	5.54652	0.2006621	0.29427498	2.2385518	21	2 17.7	18.9
99923 1999 XS_{108}	15.4	X	187.53888	70.27515	41.15649	7.91528	0.0768211	0.25822277	2.4423413	21	7 28.1	19.0
99924 2000 AG_{62}	14.8	X	218.54290	184.02732	126.58601	16.09922	0.1240568	0.23442359	2.6049647	21	2 1.9	18.9
99925 2000 CF_{88}	14.6	X	207.89381	157.90560	136.76555	14.51655	0.1554163	0.22698305	2.6615856	21	1 5.3	19.1
99926 2000 CQ_{93}	15.4	X	216.75377	98.79494	276.41749	2.61252	0.1755996	0.24501007	2.5293762	21	4 16.8	19.4
99927 2000 ED_{90}	14.9	X	257.17989	98.57228	134.95955	14.41212	0.1339408	0.22498953	2.6772844	21	—	—
99928 Brainard	14.2	X	251.60269	64.17264	217.61390	4.00393	0.1410671	0.18002988	3.1062732	21	2 3.9	19.2
99929 2000 FF_{55}	14.6	X	89.17190	139.94368	170.16796	13.10184	0.1432179	0.20957777	2.8069795	21	12 19.0	19.2
99930 2000 GL_{87}	13.8	X	76.92731	29.18570	55.18732	11.52932	0.0645997	0.18138614	3.0907697	21	2 14.9	18.2
99931 2000 SK_{115}	16.0	X	167.19487	16.12521	20.50288	6.46241	0.0724926	0.30904479	2.1666484	21	3 17.7	18.6
99932 2000 VO_{34}	15.7	X	179.87591	357.92060	94.60383	1.27113	0.0481854	0.31354620	2.1458615	21	6 19.3	18.2
99933 2000 YN_{76}	16.0	X	82.04416	56.70838	98.90515	3.88656	0.0453331	0.30772423	2.1728425	21	5 5.4	18.4
99934 2001 DL_{5}	15.5	X	82.76626	341.29660	54.79988	5.51611	0.1567423	0.28825113	2.2696316	21	—	—
99935 2002 AV_{4}	16.0	X	155.12426	322.97329	16.34251	12.77047	0.6450029	0.46318562	1.6543701	21	1 31.1	18.6
99936 2002 RH_{183}	13.9	X	263.65236	273.56443	306.16698	15.64088	0.1138520	0.17606143	3.1527768	21	—	—
99937 2003 QT_{88}	14.7	X	221.92618	166.04016	191.35091	1.69006	0.1151280	0.19629031	2.9322668	21	4 6.9	19.1
99938 2003 UC_{149}	14.2	X	99.31257	217.08331	79.49844	16.41074	0.1152309	0.22342181	2.6897939	21	12 12.2	18.0
99939 2003 US_{149}	14.5	X	133.90584	181.08864	150.45222	4.82058	0.0454117	0.18039871	3.1020378	21	—	—
99940 2003 UM_{265}	15.5	X	120.08441	26.49634	187.93400	6.10045	0.0738818	0.26545293	2.3977894	21	9 23.7	18.6
99941 Lonniewege	14.7	X	316.24503	304.45704	145.92871	13.34790	0.1484584	0.22285811	2.6943278	21	12 13.3	17.8
99942 Apophis	18.9	X	333.24655	126.59021	203.96566	3.33887	0.1914323	1.11202380	0.9226989	21	2 22.1	16.0
99943 2005 AS_{2}	11.6	X	62.71472	89.99050	116.26168	13.54558	0.1097329	0.08099246	5.2906170	21	7 2.7	18.4
99944 2710 $P\text{–}L$	14.3	X	323.53270	108.56657	21.60544	9.06209	0.1435755	0.18182890	3.0857503	21	—	—
99945 4589 $P\text{–}L$	15.1	X	5.42438	299.24511	11.19090	10.37714	0.2599977	0.25813911	2.4428690	21	9 16.7	16.6
99946 4134 $T\text{–}1$	15.2	X	133.72320	292.56266	138.25888	2.80320	0.1778471	0.25720362	2.4487888	21	4 10.8	18.7
99947 4220 $T\text{–}2$	15.0	X	126.36085	109.09246	171.60801	12.88861	0.1664373	0.21000976	2.8031288	21	12 19.7	19.8
99948 1952 SU_{1}	15.6	X	314.49785	50.24556	299.05974	11.33715	0.3362002	0.24161767	2.5529967	21	6 11.7	18.4
99949 Miepgies	14.4	X	10.41248	159.55111	353.31291	29.41939	0.1469894	0.23913426	2.5706415	21	1 26.1	17.8
99950 Euchenor	12.4	X	14.64704	207.43739	167.65018	21.85391	0.0809575	0.08470661	5.1348114	21	11 11.0	19.1
99951 1975 SV_{1}	15.3	X	140.75507	353.99807	36.17059	6.06829	0.1589318	0.18154686	3.0889453	21	3 6.3	20.1
99952 1975 SY_{1}	16.4	X	307.42026	17.25950	25.76247	10.23873	0.2022117	0.27789181	2.3256921	21	9 23.8	18.2
99953 1978 ND	14.7	X	216.87099	116.67907	107.91088	32.59425	0.2510320	0.21775969	2.7362203	21	12 28.4	19.1
99954 1978 NH	14.5	X	235.83811	238.23375	123.86248	27.42439	0.2859603	0.20118989	2.8844651	21	4 26.8	20.1
99955 1978 UM_{5}	15.6	X	140.00194	336.20791	15.88811	9.61283	0.1649585	0.21522006	2.7577034	21	1 14.6	19.8
99956 1978 VA	14.9	X	60.36114	43.44978	59.27486	25.03167	0.3394852	0.23623313	2.5916450	21	3 25.1	17.8
99957 1978 VM_{4}	15.5	X	238.99764	327.73288	81.46127	3.65218	0.1552323	0.24586224	2.5235282	21	6 23.7	19.3
99958 1978 VB_{9}	16.6	X	0.81768	344.28295	54.46841	3.36720	0.2042493	0.27644064	2.3338241	21	—	—
99959 1978 VW_{9}	14.7	X	327.44731	282.43596	39.98923	2.83330	0.1601111	0.24656168	2.5187535	21	6 27.5	17.1
99960 1978 VD_{10}	16.3	X	100.64022	123.39648	247.98123	2.20311	0.3083167	0.23547204	2.5972265	21	1 4.8	19.3
99961 1979 MT_{2}	14.7	X	7.22931	294.62107	284.96663	9.97540	0.1769812	0.18426945	3.0584437	21	4 14.7	18.3
99962 1979 MF_{3}	15.7	X	199.99960	108.73013	195.49953	2.50299	0.1457184	0.22466444	2.6798665	21	1 9.3	19.9
99963 1979 MO_{5}	16.1	X	166.63122	19.54129	240.86768	4.53439	0.1568329	0.26742919	2.3859619	21	—	—
99964 1979 MJ_{6}	16.9	X	11.65037	188.51655	146.09066	1.82022	0.1881833	0.26063842	2.4272272	21	10 27.1	19.1
99965 1979 MC_{7}	16.9	X	16.57702	170.55561	143.52717	3.35600	0.1777586	0.26010426	2.4305491	21	10 4.4	19.1
99966 1979 MC_{8}	16.8	X	120.26046	54.59821	233.20065	1.69370	0.2192281	0.26572378	2.3961597	21	12 31.6	20.9
99967 1979 OG_{8}	15.5	X	71.95544	247.08191	125.50193	21.98554	0.3371344	0.26569894	2.3963091	21	—	—
99968 1979 QQ_{2}	15.4	X	72.36783	218.11412	155.15599	7.74013	0.3388499	0.24113833	2.5563789	21	—	—
99969 1981 DY_{1}	14.6	X	317.73012	288.57361	326.82040	13.24565	0.1727193	0.17086193	3.2164182	21	3 11.8	19.0
99970 1981 DB_{2}	15.1	X	114.02519	196.72697	288.35979	6.37666	0.2042950	0.22538585	2.6741450	21	6 2.5	19.2
99971 1981 DF_{3}	15.2	X	171.29782	300.63837	308.25360	10.20454	0.2572798	0.21080664	2.7960603	21	12 17.3	20.2
99972 1981 EV_{5}	14.7	X	250.73181	210.14343	233.59644	8.97961	0.0423628	0.18160653	3.0882686	21	8 30.1	19.3
99973 1981 EB_{6}	14.0	X	272.71058	57.78114	324.30518	12.17624	0.2173818	0.18039913	3.1020331	21	6 19.7	18.8
99974 1981 EJ_{6}	14.3	X	277.98317	230.03045	207.21919	15.83932	0.1887659	0.18367425	3.0650474	21	9 4.1	18.7
99975 1981 EP_{6}	14.5	X	42.62719	216.86952	334.61206	17.20838	0.1124856	0.17416415	3.1756323	21	5 6.2	18.9
99976 1981 EZ_{6}	16.0	X	33.05521	177.46714	257.24948	6.05668	0.2441549	0.26574023	2.3960609	21	—	—
99977 1981 ET_{12}	16.7	X	128.80120	331.30261	215.91602	6.32103	0.1437009	0.27788967	2.3257040	21	8 31.9	20.3
99978 1981 ER_{13}	16.2	X	188.25975	192.37843	281.91726	4.20404	0.1045340	0.22889310	2.6467581	21	7 28.0	20.1
99979 1981 EE_{16}	16.6	X	323.15517	304.78073	264.33621	3.33089	0.1833650	0.24335891	2.5408043	21	1 8.1	19.8
99980 1981 ER_{18}	15.2	X	347.79968	130.50207	344.64382	5.05752	0.1674289	0.24082450	2.5585993	21	—	—
99981 1981 EF_{20}	15.3	X	319.77018	14.19793	167.52933	7.94157	0.1219812	0.21775684	2.7362441	21	—	—
99982 1981 EJ_{21}	14.1	X	40.93084	15.07271	165.20028	9.66737	0.1683780	0.12522708	3.9567372	21	5 9.9	19.1
99983 1981 EF_{22}	16.2	X	101.32546	295.97471	193.30476	2.71103	0.2013038	0.27389091	2.3482859	21	5 22.9	19.2
99984 1981 EL_{23}	15.5	X	115.46591	278.97775	159.44843	3.43852	0.1236125	0.24684243	2.5168433	21	3 23.7	18.8
99985 1981 EJ_{25}	16.2	X	214.50930	44.64205	180.70488	2.41002	0.1705151	0.26145885	2.4221469	21	—	—
99986 1981 ET_{28}	15.0	X	150.72138	106.61240	322.14855	11.20997	0.0668012	0.22362619	2.6881548	21	4 11.4	19.1
99987 1981 EC_{31}	15.5	X	131.92426	116.65793	355.92235	13.50830	0.1172632	0.22553482	2.6729673	21	5 23.5	19.7
99988 1981 ET_{33}	15.0	X	20.97256	0.93132	295.01518	3.11343	0.1928108	0.18002636	3.1063138	21	9 4.0	18.4
99989 1981 EL_{35}	14.9	X	13.17859	28.06407	237.27581	10.20021	0.1086302	0.17709214	3.1405318	21	7 2.1	18.9
99990 1981 EM_{35}	15.9	X	192.07414	267.68447	1.15893	6.06084	0.1536128	0.28714918	2.2754345	21	—	—
99991 1981 EY_{37}	16.7	X	2.55558	292.02773	295.46853	1.66370	0.1261183	0.29635192	2.2280805	21	4 5.5	18.7
99992 1981 ER_{41}	14.6	X	51.96683	255.61850	358.58219	26.06518	0.2025246	0.17845406	3.1245328	21	9 8.4	18.8
99993 1981 ED_{42}	15.3	X	46.76528	71.23344	165.24350	4.66200	0.1317047	0.17684952	3.1434034	21	7 21.1	19.3
99994 1981 EN_{44}	15.0	X	31.61513	59.44925	307.21597	8.01448	0.2817302	0.26018481	2.4300474	21	—	—
99995 1981 ED_{45}	16.6	X	52.49292	181.18701	320.03156	5.96504	0.0665451	0.27038328	2.3685515	21	3 2.3	19.2
99996 1981 EJ_{45}	15.0	X	23.52732	38.67641	276.68812	4.58103	0.1728723	0.18151256	3.0893344	21	10 1.1	18.8
99997 1981 EN_{45}	15.9	X	102.09587	107.02140	304.44672	3.25012	0.1977945	0.29300646	2.2450081	21	1 28.7	17.8
99998 1981 ED_{48}	15.3	X	204.57422	301.88177	339.56171	8.72147	0.1549806	0.21519481	2.7579191	21	—	—
99999 1981 FP	16.2	X	179.79964	18.82974	181.27778	2.41855	0.1427422	0.25837346	2.4413916	21	11 7.8	19.9
100000 Astronautica	16.9	X	249.13041	199.56578	186.54954	21.18631	0.0874410	0.37493261	1.9047321	21	6 8.8	19.6