Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
64001 2001 SU_{115}	15.8	X	5.66693	284.78749	78.93977	6.23009	0.1206250	0.26306100	2.4123023	20	12 2.7	18.4
64002 2001 SO_{116}	15.6	X	272.57681	282.24217	213.05967	7.20916	0.1195193	0.26293736	2.4130585	20	12 25.6	18.3
64003 2001 SN_{118}	16.9	X	87.13026	247.84595	216.52838	5.03402	0.1387769	0.29030417	2.2589183	20	3 28.2	19.4
64004 2001 SZ_{120}	14.6	X	307.25981	327.39402	236.62085	4.13324	0.1079411	0.18137106	3.0909410	20	1 14.3	18.9
64005 2001 SF_{121}	15.9	X	309.33052	224.30821	284.28820	4.57153	0.1362339	0.27705483	2.3303737	20	—	—
64006 2001 SS_{124}	14.1	X	325.40702	259.67625	329.66369	10.55861	0.0733920	0.18898100	3.0073960	20	3 10.9	18.2
64007 2001 SF_{126}	15.9	X	86.57105	248.19552	188.56669	6.77047	0.2096960	0.28510981	2.2862722	20	2 28.5	18.3
64008 2001 SQ_{126}	17.0	X	219.09720	222.72659	213.93516	4.44048	0.1053455	0.30549623	2.1833941	20	7 25.0	19.9
64009 2001 SD_{127}	16.3	X	9.80676	262.25379	193.99110	4.54852	0.1174225	0.27776135	2.3264203	20	—	—
64010 2001 SW_{130}	15.8	X	58.48552	174.53010	324.36248	2.58113	0.0523729	0.23912869	2.5706814	20	3 25.4	18.9
64011 2001 SX_{134}	14.9	X	300.05605	253.85763	191.96597	4.85318	0.0530626	0.21346305	2.7728151	20	11 23.9	18.4
64012 2001 SR_{135}	16.0	X	179.72816	186.00644	357.61732	2.31577	0.1350613	0.26384783	2.4075041	20	10 26.8	19.7
64013 2001 SF_{140}	16.0	X	352.78317	338.36048	188.64454	5.48196	0.1194059	0.28499326	2.2868955	20	1 7.9	18.5
64014 2001 SG_{141}	16.8	X	165.20523	93.12143	9.00285	2.05631	0.1023298	0.29955099	2.2121889	20	6 28.7	19.9
64015 2001 SL_{143}	15.8	X	277.36070	228.71355	207.55289	5.11536	0.0961446	0.26125110	2.4234308	20	10 13.1	18.4
64016 2001 SX_{144}	14.9	X	157.28885	96.34913	312.72382	2.43808	0.1064388	0.18725486	3.0258494	20	4 11.7	19.5
64017 2001 SN_{147}	16.1	X	139.40383	162.51085	226.30120	5.38223	0.1646688	0.28701559	2.2761404	20	2 24.0	19.3
64018 2001 SQ_{149}	16.2	X	232.89405	33.40377	327.49988	7.02956	0.1398845	0.29735449	2.2230696	20	4 19.7	19.6
64019 2001 SB_{152}	14.6	X	202.56679	187.78221	230.13422	2.98183	0.0509300	0.19356496	2.9597263	20	6 11.2	18.8
64020 2001 SN_{152}	16.1	X	353.10251	350.35764	325.10717	1.55841	0.1853736	0.25683389	2.4511384	20	9 3.4	18.0
64021 2001 SQ_{153}	14.8	X	215.74017	138.67257	274.87503	0.92582	0.0522151	0.19463146	2.9489043	20	6 20.9	18.9
64022 2001 SU_{153}	16.0	X	177.97172	306.09765	2.64518	7.00267	0.1356995	0.28113666	2.3077622	20	—	—
64023 2001 SO_{157}	15.5	X	298.88343	244.87892	220.81002	6.21127	0.0710228	0.26836535	2.3804099	20	—	—
64024 2001 SL_{160}	14.8	X	153.00067	192.52300	212.45663	9.85280	0.1164931	0.18367726	3.0650140	20	4 3.2	19.5
64025 2001 SB_{161}	15.0	X	247.30299	280.15234	298.20313	4.14654	0.1628149	0.27661160	2.3328624	20	—	—
64026 2001 SS_{161}	14.6	X	136.33470	82.34446	220.99899	11.49249	0.0611058	0.22022206	2.7157858	20	—	—
64027 2001 SV_{161}	14.5	X	134.05025	197.96081	219.59537	9.73734	0.0693798	0.18216987	3.0818986	20	3 24.2	19.1
64028 2001 SJ_{163}	15.5	X	227.96793	73.16716	64.61791	0.26230	0.0690622	0.26133294	2.4229249	20	10 31.2	18.5
64029 2001 SA_{166}	16.0	X	297.15066	96.19052	5.00264	5.88921	0.0674922	0.26893494	2.3770477	20	12 25.1	18.7
64030 2001 SQ_{168}	12.5	X	20.62868	174.43404	47.30046	7.16059	0.0374978	0.08314315	5.1989828	20	5 23.8	19.2
64031 2001 SV_{169}	15.6	X	335.10519	200.25141	227.22817	18.13228	0.0633570	0.37377926	1.9086483	20	—	—
64032 2001 SF_{172}	17.5	X	354.97032	285.86434	171.56233	1.29193	0.1585155	0.27423784	2.3463050	20	—	—
64033 2001 SM_{175}	15.4	X	358.95182	70.04420	68.10927	4.52060	0.0934658	0.28117770	2.3075377	20	—	—
64034 2001 SD_{176}	14.3	X	256.53765	157.59465	128.91604	5.31962	0.0751519	0.18375387	3.0641619	20	2 29.6	18.9
64035 2001 SB_{179}	14.8	X	255.86390	94.12470	185.78794	12.54994	0.1433064	0.23290592	2.6162688	20	2 5.2	19.0
64036 2001 SO_{190}	16.7	X	281.49385	318.98477	153.39541	1.46683	0.1354301	0.26793598	2.3829524	20	12 9.2	18.8
64037 2001 SO_{193}	15.2	X	98.98503	62.49612	1.99600	1.91593	0.0453205	0.18241298	3.0791597	20	2 20.1	19.6
64038 2001 SC_{223}	16.3	X	296.89550	338.74109	161.52250	2.71588	0.1809708	0.27143078	2.3624538	20	—	—
64039 2001 SG_{223}	16.4	X	218.29299	121.59583	4.51455	3.40750	0.1593252	0.25795618	2.4440237	20	9 21.1	19.8
64040 2001 SU_{231}	14.7	X	110.03936	179.04090	31.17589	5.95327	0.0955541	0.20291737	2.8680710	20	9 13.8	19.0
64041 2001 SF_{232}	15.8	X	270.77893	81.82446	24.74950	2.68697	0.1520499	0.26148556	2.4219820	20	11 6.4	18.5
64042 2001 SE_{234}	15.5	X	67.72593	33.57351	53.22783	4.55926	0.1115729	0.23015558	2.6370704	20	2 9.4	18.6
64043 2001 SL_{235}	15.3	X	28.65384	17.31121	184.37638	1.44492	0.0363249	0.18876998	3.0096368	20	5 8.6	19.3
64044 2001 SS_{238}	16.5	X	342.92466	327.90858	148.15475	3.21619	0.1485416	0.27457479	2.3443850	20	—	—
64045 2001 SA_{240}	16.6	X	88.07518	84.85193	62.91047	2.67250	0.0612025	0.29596672	2.2300134	20	5 20.7	19.2
64046 2001 SR_{240}	13.7	X	251.72369	292.52110	55.60102	11.92121	0.1331467	0.19122111	2.9838626	20	5 2.9	18.1
64047 2001 SA_{243}	16.2	X	262.29585	127.38734	40.17186	4.39424	0.0846697	0.27051967	2.3677553	20	—	—
64048 2001 SN_{244}	15.1	X	189.29737	97.79607	185.03282	14.41177	0.0664602	0.22444127	2.6816427	20	—	—
64049 2001 SQ_{244}	15.4	X	243.45406	15.90587	143.52557	3.43857	0.1220446	0.21409800	2.7673301	20	11 30.9	19.1
64050 2001 SK_{245}	16.0	X	259.97360	345.19710	187.08759	4.31574	0.0899706	0.27007089	2.3703776	20	—	—
64051 2001 SP_{252}	14.5	X	348.84787	201.47267	68.98176	2.95080	0.0603283	0.19305840	2.9649013	20	6 10.9	18.1
64052 2001 SX_{253}	14.9	X	31.66830	134.42890	73.53033	3.95300	0.0358061	0.18917168	3.0053748	20	5 20.9	19.0
64053 2001 SN_{254}	13.9	X	175.64984	272.80473	46.03837	18.15978	0.1272128	0.17587049	3.1550584	20	1 21.2	19.2
64054 2001 SY_{254}	15.0	X	332.99009	253.08083	151.87924	6.88889	0.0462371	0.20902112	2.8119609	20	11 18.4	18.7
64055 2001 SR_{255}	16.2	X	266.23366	55.02622	54.98082	1.94026	0.1424994	0.26101963	2.4248634	20	11 5.7	18.9
64056 2001 SZ_{256}	15.6	X	283.23942	33.85297	160.60196	4.88145	0.0273696	0.27448632	2.3448887	20	—	—
64057 2001 SA_{258}	16.1	X	31.27673	289.10097	117.73297	3.34779	0.1674797	0.27340591	2.3510622	20	—	—
64058 2001 SZ_{260}	15.5	X	290.65490	139.21787	23.07616	3.62768	0.0812080	0.27319881	2.3522502	20	—	—
64059 2001 SB_{261}	15.3	X	101.70909	310.63136	204.79537	4.31298	0.2195812	0.24157345	2.5533082	20	7 8.9	19.3
64060 2001 SM_{263}	15.1	X	54.68239	316.35049	45.11005	10.28606	0.2862094	0.27116931	2.3639722	20	—	—
64061 2001 SG_{265}	15.8	X	88.61260	173.91506	201.26537	4.91283	0.1724698	0.27625779	2.3348538	20	—	—
64062 2001 SB_{266}	15.6	X	95.78488	211.23289	214.62976	3.61691	0.0930746	0.23010802	2.6374337	20	2 16.4	19.0
64063 2001 SD_{267}	15.8	X	123.07811	289.53403	164.24556	2.85938	0.1108225	0.28938643	2.2636917	20	4 29.6	18.8
64064 2001 SC_{268}	16.0	X	114.34825	339.19289	189.56179	4.26685	0.0537751	0.29930018	2.2134246	20	7 26.4	18.8
64065 2001 SF_{268}	16.1	X	167.02316	210.49752	187.19909	5.81068	0.1170294	0.28928376	2.2642273	20	4 3.9	19.2
64066 2001 SJ_{268}	15.3	X	157.60814	256.06385	202.49442	13.89983	0.0606288	0.24231950	2.5480648	20	6 12.1	19.1
64067 2001 SB_{270}	14.1	X	175.49298	346.39819	294.50883	10.99377	0.1733798	0.22421363	2.6834574	20	—	—
64068 2001 SO_{271}	16.0	X	257.45197	168.47537	353.79646	2.41620	0.1070564	0.26904291	2.3764117	20	—	—
64069 2001 SV_{271}	14.6	X	5.53815	192.39823	319.28305	0.37596	0.1332759	0.17663854	3.1459059	20	1 31.8	18.4
64070 NEAT	14.5	X	289.85092	262.06577	137.49334	12.52458	0.2071943	0.25481553	2.4640648	20	8 23.8	16.9
64071 2001 SQ_{276}	14.3	X	225.70998	268.67696	109.80582	10.46709	0.0709950	0.19117960	2.9842945	20	5 19.9	18.9
64072 2001 SU_{276}	15.9	X	318.56991	345.72634	323.33546	4.71277	0.1812249	0.30146538	2.2028136	20	6 1.8	17.6
64073 2001 SV_{277}	13.8	X	89.36629	108.82297	13.91528	20.09541	0.0279499	0.18389634	3.0625792	20	4 13.9	18.1
64074 2001 SJ_{278}	14.9	X	10.30419	278.48542	257.40560	5.97301	0.1217170	0.28577357	2.2827307	20	2 19.1	17.2
64075 2001 SD_{279}	15.0	X	349.14835	96.10344	297.68907	3.04386	0.2002373	0.26335773	2.4104900	20	12 30.0	17.2
64076 2001 SK_{279}	15.5	X	103.62578	62.77779	340.08220	1.88602	0.1198308	0.28139497	2.3063497	20	1 25.3	17.9
64077 2001 SN_{279}	15.7	X	52.53472	104.35214	0.46453	4.26860	0.0995872	0.28156122	2.3054418	20	1 28.1	17.9
64078 2001 SO_{279}	15.3	X	236.45527	136.41985	332.78177	2.17966	0.1427932	0.25564918	2.4587051	20	9 21.1	18.5
64079 2001 SP_{279}	15.5	X	135.48531	354.39747	23.65874	2.41855	0.0752267	0.28281638	2.2986156	20	1 28.2	18.3
64080 2001 SU_{279}	15.2	X	178.32392	80.85858	5.63979	1.53332	0.1733676	0.24327925	2.5413589	20	6 19.9	19.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
64081 2001 SX_{279}	15.2	X	149.82782	288.15089	81.76189	0.65848	0.0969440	0.23073860	2.6326263	20	2 13.1	18.9
64082 2001 SM_{280}	15.7	X	349.66229	70.86247	34.92567	2.57324	0.1758795	0.27131821	2.3631072	20	—	—
64083 2001 SP_{280}	15.7	X	358.16302	54.29078	357.89342	1.77045	0.0601089	0.26745582	2.3858035	20	—	—
64084 2001 SA_{283}	13.6	X	190.21692	351.62101	21.99526	13.92860	0.1791923	0.23337904	2.6127317	20	4 2.1	17.8
64085 2001 SC_{283}	13.8	X	86.18111	41.24646	28.48300	13.14472	0.1493444	0.22372900	2.6873312	20	2 25.7	17.4
64086 2001 SE_{283}	14.4	X	96.87149	56.43213	19.04026	11.63680	0.1672747	0.22584821	2.6704940	20	3 17.7	18.0
64087 2001 SH_{285}	16.1	X	36.11397	298.55718	241.10545	1.44697	0.0863863	0.29203736	2.2499720	20	4 16.7	18.2
64088 2001 SX_{285}	14.5	X	131.43154	281.93667	124.98069	14.85725	0.1947268	0.23310119	2.6148075	20	3 25.7	18.7
64089 2001 SA_{288}	14.1	X	144.87556	287.76510	112.43809	14.11171	0.2266503	0.18323788	3.0699117	20	4 5.2	19.4
64090 2001 SA_{289}	14.5	X	80.60052	270.39336	119.70026	10.58541	0.1392091	0.22252703	2.6969995	20	—	—
64091 2001 SL_{289}	15.3	X	75.82701	346.52435	55.44894	6.46462	0.1485023	0.27709679	2.3301384	20	—	—
64092 2001 SM_{289}	14.8	X	58.24245	313.45576	88.32520	4.35067	0.1901425	0.22113043	2.7083433	20	—	—
64093 2001 SU_{291}	14.7	X	2.95148	331.85827	146.72026	13.41470	0.1377433	0.22168336	2.7038379	20	—	—
64094 2001 SE_{293}	15.5	X	118.73736	167.59308	260.08922	4.31946	0.1581159	0.18226837	3.0807882	20	3 30.1	20.3
64095 2001 SB_{320}	16.4	X	228.76801	85.52997	90.05187	2.13672	0.1280962	0.26863099	2.3788404	20	12 14.6	19.3
64096 2001 SR_{332}	15.7	X	18.01256	129.74103	353.14439	2.67915	0.1049690	0.22995162	2.6386294	20	1 4.7	18.6
64097 2001 SP_{334}	14.1	X	327.41607	274.86485	188.90228	5.37521	0.1135008	0.17175455	3.2052646	20	—	—
64098 2001 SD_{341}	15.3	X	58.72336	267.32198	88.37181	7.15002	0.0413719	0.22029476	2.7151882	20	—	—
64099 2001 SN_{346}	14.8	X	84.90072	195.27552	237.40991	9.95241	0.2103075	0.17809537	3.1287267	20	3 2.5	19.2
64100 2001 TY	14.6	X	33.92549	273.84609	127.99413	22.33323	0.2463827	0.27016844	2.3698070	20	—	—
64101 2001 TC_{1}	16.1	X	102.56295	9.00431	38.46107	7.40490	0.1484115	0.28410371	2.2916667	20	2 6.2	18.8
64102 2001 TT_{3}	16.2	X	10.83701	120.67895	14.83239	4.41476	0.0908450	0.28085733	2.3092921	20	—	—
64103 2001 TW_{3}	15.2	X	283.37681	191.49572	353.93025	4.28183	0.1010422	0.27597152	2.3364682	20	—	—
64104 2001 TG_{4}	14.5	X	13.04820	315.77681	207.48020	6.79575	0.1020116	0.17922459	3.1155710	20	2 25.9	18.4
64105 2001 TH_{6}	14.2	X	51.87150	91.42756	40.79122	20.76359	0.3126379	0.17724005	3.1387843	20	4 22.1	17.7
64106 2001 TT_{7}	15.3	X	114.57392	237.27488	213.93515	1.90829	0.0288392	0.23682719	2.5873092	20	4 5.1	18.7
64107 2001 TK_{8}	14.9	X	34.72163	114.82826	231.17383	19.25018	0.1213170	0.36910328	1.9247343	20	—	—
64108 2001 TU_{8}	14.2	X	334.08268	104.09399	276.99131	6.49301	0.1117032	0.25619846	2.4551896	20	10 28.3	16.7
64109 2001 TW_{8}	14.5	X	177.86429	73.74691	24.49208	6.05551	0.0838388	0.24199421	2.5503477	20	7 6.4	18.3
64110 2001 TZ_{8}	15.0	X	71.37381	134.46360	287.59059	6.01087	0.1137044	0.27525310	2.3405320	20	—	—
64111 2001 TV_{9}	15.9	X	24.23687	275.73794	198.32715	6.03776	0.0905778	0.27997110	2.3141628	20	—	—
64112 2001 TF_{10}	16.2	X	293.00513	90.37354	338.80192	0.65995	0.1648424	0.25968128	2.4331877	20	10 20.9	18.3
64113 2001 TD_{11}	14.6	X	94.57602	266.83746	216.06281	9.86188	0.2273736	0.18189499	3.0850028	20	5 22.2	19.2
64114 2001 TE_{12}	16.1	X	229.33024	255.95547	224.72330	1.71509	0.1241792	0.25708134	2.4495653	20	9 30.5	19.3
64115 2001 TQ_{12}	14.2	X	111.13990	135.89276	224.66705	12.20762	0.1870594	0.22198595	2.7013803	20	—	—
64116 2001 TX_{13}	16.1	X	162.96054	325.04136	132.94131	1.59041	0.1057217	0.29601195	2.2297862	20	6 20.1	19.0
64117 2001 TW_{15}	13.8	X	39.84355	34.27770	52.89562	13.52563	0.0985104	0.17341369	3.1847875	20	1 6.7	18.0
64118 2001 TK_{17}	13.9	X	162.55526	168.50304	269.00272	8.99034	0.0737894	0.19090778	2.9871266	20	5 20.9	18.5
64119 2001 TX_{17}	15.9	X	345.77966	239.63152	218.24103	2.35021	0.1417249	0.26887820	2.3773821	20	—	—
64120 2001 TF_{18}	15.4	X	25.69800	358.00366	230.07503	6.37380	0.1248591	0.29535750	2.2330788	20	6 18.9	17.4
64121 2001 TG_{18}	15.0	X	262.26434	316.14942	41.36257	7.94558	0.2135691	0.24596048	2.5228562	20	5 13.4	18.6
64122 2001 TL_{18}	14.4	X	321.65581	58.86686	249.77312	1.94942	0.2052965	0.19536608	2.9415074	20	6 3.8	17.5
64123 2001 TS_{18}	15.8	X	324.30332	337.75694	111.20025	3.24506	0.1691154	0.26645227	2.3917903	20	—	—
64124 2001 TA_{21}	14.4	X	11.04431	207.21047	307.92949	9.20323	0.0503586	0.17669066	3.1452873	20	2 14.9	18.6
64125 2001 TQ_{21}	15.9	X	88.49808	5.47200	65.76402	7.71071	0.1316960	0.28389658	2.2927812	20	2 16.0	18.4
64126 2001 TD_{22}	15.4	X	283.57864	40.59877	3.72617	1.51009	0.0379683	0.20529123	2.8459184	20	9 7.2	19.3
64127 2001 TM_{23}	15.1	X	346.19158	337.84723	342.53325	1.59775	0.0516604	0.20159121	2.8806355	20	8 14.9	18.7
64128 2001 TQ_{24}	16.1	X	327.63759	189.22679	309.21280	5.79884	0.1378047	0.27459187	2.3442878	20	—	—
64129 2001 TX_{25}	14.7	X	118.44507	276.59200	227.81329	10.48955	0.0637246	0.19221470	2.9735711	20	6 24.0	19.1
64130 2001 TC_{26}	14.7	X	136.80203	162.76312	252.26298	6.44384	0.1389587	0.18217102	3.0818856	20	3 30.6	19.6
64131 2001 TP_{26}	15.8	X	131.05789	203.06132	243.92557	4.70846	0.1598029	0.29065501	2.2571002	20	5 3.6	18.9
64132 2001 TO_{27}	15.1	X	305.82283	54.01413	225.38755	14.53818	0.0781894	0.24151671	2.5537082	20	4 13.7	18.3
64133 2001 TB_{29}	16.5	X	44.96977	124.80798	293.52020	2.06348	0.1591552	0.27383800	2.3485884	20	—	—
64134 2001 TH_{32}	15.5	X	322.37807	123.70634	340.58703	6.29973	0.0659442	0.26686296	2.3893358	20	—	—
64135 2001 TM_{32}	15.3	X	284.76913	191.85307	307.58596	6.91337	0.1625639	0.21147522	2.7901640	20	12 29.9	18.3
64136 2001 TV_{32}	15.2	X	65.19710	221.67222	271.48565	7.70518	0.1272803	0.23186588	2.6240866	20	4 4.5	18.5
64137 2001 TF_{34}	14.8	X	122.33267	101.87657	14.89417	9.06933	0.0959149	0.18444603	3.0564914	20	5 26.5	19.5
64138 2001 TM_{34}	15.5	X	179.20906	255.93318	345.16560	5.66204	0.0989656	0.26617817	2.3934320	20	—	—
64139 2001 TQ_{35}	14.6	X	46.95976	271.27208	261.20578	12.04203	0.1600780	0.23351121	2.6117457	20	5 6.9	17.6
64140 2001 TZ_{35}	15.5	X	141.32083	317.42144	343.34060	7.43303	0.1189339	0.27048152	2.3679779	20	—	—
64141 2001 TH_{36}	15.4	X	167.80534	328.19658	2.77337	5.70019	0.1049073	0.27878726	2.3207094	20	1 9.8	18.7
64142 2001 TO_{36}	14.7	X	167.41279	231.85615	22.59379	8.12765	0.1181749	0.26570493	2.3962731	20	—	—
64143 2001 TH_{37}	15.2	X	69.26859	331.14960	31.41185	7.58419	0.1083775	0.26786536	2.3833712	20	—	—
64144 2001 TS_{37}	15.2	X	154.97483	180.18374	301.20469	4.45353	0.0679244	0.24199219	2.5503619	20	7 10.3	18.6
64145 2001 TZ_{37}	14.9	X	182.56235	37.31885	8.43840	4.34339	0.1948031	0.23717508	2.5847786	20	5 2.2	19.1
64146 2001 TB_{39}	15.2	X	152.24819	290.20147	311.79098	5.27706	0.0334043	0.26207906	2.4183241	20	12 16.8	18.6
64147 2001 TM_{40}	14.2	X	108.26204	352.58208	47.42270	13.39538	0.1556501	0.22456502	2.6806574	20	2 17.4	18.1
64148 2001 TP_{40}	14.8	X	130.93236	7.58053	7.12022	6.83374	0.1419425	0.27815114	2.3242463	20	1 29.8	17.9
64149 2001 TC_{41}	15.0	X	225.29799	20.25807	333.16608	4.84980	0.1755263	0.28962435	2.2624518	20	4 1.8	18.4
64150 2001 TF_{41}	14.8	X	221.58764	28.63539	1.38434	7.44952	0.1433011	0.29332092	2.2434033	20	5 18.1	18.2
64151 2001 TJ_{41}	14.5	X	227.22144	301.87476	47.88550	17.38270	0.2374606	0.23684039	2.5872131	20	4 7.1	19.1
64152 2001 TO_{41}	14.7	X	335.57312	61.01987	355.09832	5.66518	0.1187686	0.25944060	2.4346923	20	12 25.2	17.3
64153 2001 TR_{41}	14.4	X	147.15223	57.95663	45.29287	13.10933	0.1310034	0.23660920	2.5888981	20	6 8.4	18.5
64154 2001 TC_{42}	15.4	X	196.92155	343.29203	15.84494	5.93503	0.1694277	0.28545987	2.2844028	20	3 17.4	18.9
64155 2001 TH_{42}	14.8	X	41.60853	56.18009	1.06481	8.35670	0.1488566	0.21573994	2.7532713	20	—	—
64156 2001 TN_{42}	14.4	X	41.85675	52.52467	48.00559	13.46204	0.1300248	0.22027604	2.7153421	20	1 20.4	17.6
64157 2001 TR_{42}	14.6	X	75.55313	58.23233	61.65094	15.00947	0.1186134	0.22744825	2.6579551	20	4 12.3	18.1
64158 2001 TK_{43}	13.9	X	317.25935	331.03335	49.90980	11.63147	0.1531596	0.19759229	2.9193716	20	9 20.6	17.3
64159 2001 TS_{43}	14.5	X	61.45116	336.01432	36.88073	9.98696	0.1948822	0.21229352	2.7829894	20	—	—
64160 2001 TB_{44}	14.2	X	179.74222	294.63249	37.31001	13.60445	0.2025359	0.22714380	2.6603297	20	2 8.7	18.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
64161 2001 TQ_{45}	15.1	X	321.74504	45.87087	30.95806	9.75295	0.1304382	0.21118452	2.7927239	20	12 11.4	18.3
64162 2001 TJ_{48}	15.4	X	299.54793	142.57524	155.79094	2.08275	0.1007180	0.18921852	3.0048788	20	5 2.3	19.3
64163 2001 TB_{49}	14.2	X	32.29368	5.38032	117.16304	26.79900	0.2316355	0.27759449	2.3273525	20	1 13.7	15.4
64164 2001 TL_{49}	15.7	X	61.46300	106.34442	338.85681	6.88582	0.0690047	0.28113974	2.3077454	20	1 12.9	18.1
64165 2001 TW_{49}	15.2	X	312.64803	56.31857	302.51326	1.02592	0.0806476	0.20317374	2.8656579	20	8 13.8	18.7
64166 2001 TA_{50}	15.1	X	334.19632	305.00449	252.89011	2.66859	0.2172528	0.23593287	2.5938434	20	1 16.9	18.1
64167 2001 TZ_{50}	16.3	X	167.15795	96.31004	13.48207	3.61415	0.1362070	0.29997624	2.2100977	20	7 12.4	19.5
64168 2001 TC_{51}	16.0	X	349.05604	234.34611	199.72859	1.95683	0.1830396	0.26885176	2.3775380	20	—	—
64169 2001 TA_{52}	15.5	X	210.71226	314.69219	99.25129	2.37331	0.1712428	0.19232163	2.9724687	20	6 8.1	20.4
64170 2001 TH_{56}	14.7	X	73.55619	237.39181	117.62645	15.78995	0.0839432	0.22053319	2.7132309	20	—	—
64171 2001 TQ_{56}	16.1	X	51.30659	219.91863	154.92792	1.48255	0.1992966	0.26868909	2.3784975	20	—	—
64172 2001 TH_{58}	15.4	X	208.71465	249.32339	211.93978	1.70825	0.0243944	0.20050608	2.8910195	20	8 15.6	19.5
64173 2001 TP_{58}	15.8	X	151.00142	223.46493	210.65446	2.94110	0.1226503	0.23997475	2.5646357	20	5 7.1	19.6
64174 2001 TL_{60}	15.7	X	188.06447	10.77679	63.89665	2.07476	0.2004425	0.19067707	2.9895356	20	6 12.5	20.7
64175 2001 TT_{61}	15.2	X	332.15794	155.81500	17.40575	4.13415	0.0769470	0.22795008	2.6540528	20	1 5.5	18.6
64176 2001 TA_{62}	15.0	X	92.39601	252.00066	143.46482	3.40111	0.0789822	0.22531767	2.6746844	20	1 3.6	18.3
64177 2001 TS_{62}	15.8	X	323.57755	129.54238	38.76593	7.33985	0.0431756	0.27894081	2.3198577	20	—	—
64178 2001 TO_{63}	15.8	X	330.13219	282.15043	183.29126	2.37962	0.1291239	0.26918643	2.3755669	20	—	—
64179 2001 TR_{63}	14.9	X	209.70272	346.59992	79.91187	3.86593	0.2619614	0.19145375	2.9814449	20	6 17.9	20.1
64180 2001 TR_{64}	15.5	X	87.44379	103.32117	41.21059	5.30099	0.0698211	0.29291394	2.2454808	20	5 15.8	18.0
64181 2001 TS_{64}	15.5	X	27.62626	248.81706	196.69361	5.84462	0.1168951	0.27512785	2.3412422	20	—	—
64182 2001 TB_{65}	14.1	X	189.65544	270.80384	44.72706	12.70797	0.0519340	0.17604129	3.1530173	20	1 28.5	19.0
64183 2001 TP_{66}	15.3	X	95.21011	295.71068	169.71018	2.61999	0.1324036	0.23427938	2.6060336	20	4 15.5	18.7
64184 2001 TU_{66}	15.8	X	154.33122	352.41352	114.30020	1.82958	0.0688095	0.24378476	2.5378445	20	6 19.6	19.5
64185 2001 TT_{67}	15.3	X	281.29772	272.72694	214.85964	3.78818	0.1507639	0.26400846	2.4065274	20	12 27.8	17.4
64186 2001 TB_{68}	14.4	X	17.32840	207.35075	103.22637	2.85329	0.1199516	0.20359788	2.8616765	20	9 26.3	17.9
64187 2001 TN_{68}	15.8	X	125.18600	97.41187	46.47884	3.89678	0.1046882	0.29679767	2.2258491	20	7 11.3	18.7
64188 2001 TQ_{68}	15.7	X	257.27861	270.96037	274.92287	1.58998	0.1520792	0.27370721	2.3493365	20	—	—
64189 2001 TN_{69}	16.3	X	171.22287	213.87504	5.19437	1.01071	0.1325354	0.26648617	2.3915875	20	12 2.9	19.8
64190 2001 TY_{69}	16.3	X	283.23207	224.48490	253.69811	1.67181	0.1434359	0.26504388	2.4002558	20	12 18.9	18.3
64191 2001 TC_{70}	15.4	X	151.89229	145.47554	19.38606	2.12955	0.0112215	0.20157512	2.8807889	20	8 28.8	19.5
64192 2001 TL_{70}	15.5	X	149.08388	28.77596	67.36738	5.18459	0.0874249	0.29491903	2.2352916	20	5 31.2	18.2
64193 2001 TD_{71}	15.7	X	68.37453	104.97304	64.29004	5.25103	0.0561409	0.29402934	2.2397984	20	5 21.9	17.9
64194 2001 TD_{72}	15.3	X	3.16478	73.13024	115.88359	4.62353	0.0792731	0.28693098	2.2765879	20	3 5.4	17.5
64195 2001 TE_{74}	15.3	X	111.13728	122.61285	22.32366	2.89513	0.1656607	0.24107865	2.5568007	20	6 30.1	19.0
64196 2001 TY_{74}	15.2	X	278.29486	260.86622	161.94553	2.26367	0.0618890	0.20285296	2.8686780	20	9 20.7	18.8
64197 2001 TD_{75}	15.7	X	246.41979	85.15547	53.98723	1.80676	0.1299772	0.26080026	2.4262229	20	11 17.6	18.3
64198 2001 TK_{77}	15.3	X	119.46992	16.33803	104.35678	3.04711	0.0740488	0.23980002	2.5658814	20	5 28.1	18.8
64199 2001 TU_{77}	14.9	X	288.64210	76.70030	83.38608	8.21664	0.1228517	0.26969974	2.3725518	20	—	—
64200 2001 TQ_{79}	15.0	X	356.97942	281.47136	157.13477	4.79905	0.1447288	0.21561342	2.7543483	20	—	—
64201 2001 TG_{80}	14.9	X	96.52164	324.24005	96.40702	6.81677	0.0976315	0.27899238	2.3195718	20	2 6.7	17.5
64202 2001 TO_{83}	14.4	X	256.71182	331.05623	257.32658	3.87275	0.0923790	0.17549003	3.1596168	20	—	—
64203 2001 TG_{90}	15.6	X	122.00550	202.26601	246.62910	7.33129	0.1135573	0.23780689	2.5801984	20	4 21.5	19.2
64204 2001 TT_{92}	14.8	X	221.60105	334.19012	234.43847	8.45770	0.1061644	0.21888354	2.7268462	20	—	—
64205 2001 TL_{96}	15.4	X	227.96798	311.98752	232.46162	6.90302	0.1980922	0.26631532	2.3926102	20	12 13.9	18.5
64206 2001 TW_{97}	15.1	X	69.48326	334.71646	334.62761	2.51737	0.0789806	0.21111498	2.7933371	20	11 26.8	19.2
64207 2001 TO_{99}	15.7	X	235.89704	224.92305	279.94684	4.08863	0.1592712	0.26198682	2.4188917	20	11 5.2	18.9
64208 2001 TG_{100}	15.7	X	237.12184	202.91890	359.88240	5.80117	0.1721816	0.27117585	2.3639341	20	—	—
64209 2001 TV_{100}	15.3	X	314.03663	200.02410	247.86268	3.72788	0.0285997	0.21282237	2.7783771	20	12 15.8	19.0
64210 2001 TC_{104}	15.7	X	290.40289	296.86250	255.39134	6.37411	0.0609620	0.27821712	2.3238788	20	—	—
64211 2001 TE_{105}	16.0	X	245.33223	10.22349	27.84434	7.01947	0.1386348	0.30061800	2.2069512	20	6 29.8	19.0
64212 2001 TM_{105}	15.4	X	113.95139	159.29899	21.20645	5.53753	0.0670093	0.30010422	2.2094694	20	8 17.4	18.2
64213 2001 TN_{105}	15.1	X	110.62569	327.24207	35.63891	7.24180	0.1541147	0.27613747	2.3355320	20	—	—
64214 2001 TU_{105}	14.6	X	348.36545	119.41099	52.13242	12.56729	0.0830441	0.27858694	2.3218218	20	1 17.2	17.4
64215 2001 TP_{106}	13.3	X	40.87613	74.86156	53.64088	13.60622	0.1310156	0.22538815	2.6741268	20	3 1.5	16.5
64216 2001 TQ_{106}	14.7	X	106.20862	22.94631	54.98293	5.21954	0.1770121	0.22913358	2.6449058	20	4 1.4	18.4
64217 2001 TR_{106}	14.3	X	227.06350	356.60954	52.91365	3.87206	0.1988804	0.19017323	2.9948135	20	6 15.4	19.2
64218 2001 TT_{106}	14.9	X	140.77352	10.61320	62.11458	14.26736	0.1611357	0.23363537	2.6108203	20	4 30.8	19.0
64219 2001 TB_{107}	14.2	X	21.53153	0.62603	62.59019	10.29741	0.1442316	0.21415640	2.7668270	20	—	—
64220 2001 TF_{107}	14.4	X	243.30575	131.07415	260.98196	11.56461	0.2526685	0.24394632	2.5367239	20	6 4.5	18.4
64221 2001 TV_{108}	13.9	X	65.20570	46.09976	334.41426	7.37695	0.0465533	0.16764420	3.2574445	20	—	—
64222 2001 TB_{110}	16.8	X	186.22936	216.35093	257.76395	3.63374	0.0643480	0.30299244	2.1954060	20	8 10.0	19.5
64223 2001 TG_{110}	15.7	X	204.24127	320.41760	331.07054	5.76155	0.0265624	0.28035993	2.3120227	20	—	—
64224 2001 TA_{112}	16.0	X	89.69252	179.08147	340.98030	3.95868	0.0707969	0.29500474	2.2348586	20	6 11.8	18.6
64225 2001 TD_{112}	14.5	X	91.84361	269.93254	15.21193	12.86500	0.1404574	0.21067353	2.7972379	20	11 25.1	19.0
64226 2001 TO_{112}	14.9	X	297.40040	207.57487	262.68368	6.87277	0.1814288	0.21019013	2.8015250	20	12 10.4	17.7
64227 2001 TG_{115}	14.7	X	74.85340	88.35515	241.47786	8.79003	0.2138415	0.21501480	2.7594582	20	—	—
64228 2001 TO_{115}	15.4	X	1.71307	219.81635	13.05310	6.06304	0.0575419	0.29254806	2.2473527	20	5 5.6	17.7
64229 2001 TO_{116}	14.3	X	194.94324	331.59251	43.46133	13.39795	0.1169855	0.23539752	2.5977746	20	4 10.1	18.4
64230 2001 TC_{117}	14.1	X	46.99595	314.50243	55.01513	9.79482	0.2118964	0.21198886	2.7856552	20	—	—
64231 2001 TQ_{117}	14.6	X	122.77210	53.87416	47.53414	6.37572	0.2096841	0.23208730	2.6224173	20	5 20.2	18.8
64232 2001 TL_{122}	14.5	X	73.75547	203.43932	247.01300	14.85547	0.1462027	0.22885932	2.6470186	20	2 19.1	18.1
64233 2001 TA_{124}	14.1	X	158.91527	193.96471	267.68771	9.74465	0.0600981	0.19323377	2.9631072	20	6 16.8	18.5
64234 2001 TV_{124}	15.9	X	35.99873	232.27333	276.29011	6.09756	0.0482583	0.28765365	2.2727733	20	2 24.9	18.4
64235 2001 TW_{127}	16.0	X	116.23720	344.80868	86.63194	5.41400	0.1099152	0.28838738	2.2689167	20	3 22.8	18.8
64236 2001 TH_{129}	15.5	X	74.82018	153.62667	210.12679	10.32607	0.0480963	0.27183316	2.3601218	20	—	—
64237 2001 TK_{133}	16.0	X	297.25034	46.48181	116.14106	7.51036	0.0633525	0.27402802	2.3475025	20	—	—
64238 2001 TD_{134}	14.6	X	240.47881	252.64674	159.07575	12.42413	0.0467437	0.19601311	2.9350306	20	7 18.3	19.0
64239 2001 TH_{137}	14.1	X	213.98368	214.12126	83.68203	12.44219	0.0845340	0.18019051	3.1044270	20	1 30.5	19.0
64240 2001 TN_{137}	14.4	X	162.74355	325.04956	77.26085	13.02924	0.1500610	0.18555631	3.0442868	20	4 17.9	19.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
64241 2001 TX_{139}	15.3	X	142.90908	342.38321	93.55416	6.52663	0.2136687	0.24022004	2.5628895	20	5 9.2	19.5
64242 2001 TU_{147}	16.3	X	317.56827	336.01007	159.01746	5.76686	0.1587511	0.27213572	2.3583722	20	—	—
64243 2001 TJ_{149}	15.7	X	135.33527	353.58829	92.94998	6.87419	0.0366610	0.29304997	2.2447859	20	4 27.7	18.5
64244 2001 TO_{152}	14.3	X	214.45243	225.11668	65.11646	7.50045	0.1184540	0.17736870	3.1372663	20	1 21.1	19.4
64245 2001 TR_{159}	14.3	X	132.74474	285.11501	117.13382	13.92554	0.0758332	0.23308939	2.6148957	20	3 6.5	18.1
64246 2001 TC_{160}	13.9	X	190.26749	241.71873	112.21639	11.10095	0.1032296	0.18285117	3.0742385	20	3 14.8	18.8
64247 2001 TQ_{164}	16.7	X	45.01618	287.24971	161.68977	1.54106	0.0888261	0.27846896	2.3224775	20	—	—
64248 2001 TZ_{164}	14.3	X	192.99461	254.48990	123.46380	9.92050	0.0917471	0.18736661	3.0246463	20	4 15.1	19.1
64249 2001 TH_{166}	14.5	X	75.31232	238.02037	305.78847	9.75233	0.0454446	0.19038526	2.9925896	20	6 19.4	18.8
64250 2001 TV_{167}	15.6	X	164.61165	15.89730	313.30895	6.53324	0.1434412	0.28029113	2.3124010	20	1 7.2	18.9
64251 2001 TC_{168}	14.7	X	67.75458	276.23944	259.56441	13.91567	0.1014215	0.23939423	2.5687801	20	6 7.2	17.9
64252 2001 TL_{168}	15.4	X	193.19478	82.55561	305.35889	6.79123	0.1741498	0.29177187	2.2513366	20	4 14.8	19.0
64253 2001 TV_{168}	15.5	X	177.60210	316.26221	321.44045	7.26983	0.2173932	0.27462992	2.3440713	20	—	—
64254 2001 TX_{168}	15.4	X	345.99656	124.96502	240.83366	19.46929	0.1061907	0.36420653	1.9419478	20	12 1.5	16.7
64255 2001 TQ_{170}	16.3	X	21.96264	294.78437	273.15846	6.63891	0.0904376	0.29463355	2.2367353	20	5 3.4	18.4
64256 2001 TG_{171}	15.8	X	51.59214	301.32432	116.15854	8.52375	0.0983703	0.27526100	2.3404872	20	—	—
64257 2001 TA_{172}	15.5	X	77.02726	33.27490	356.49179	5.69774	0.0876675	0.22400619	2.6851139	20	—	—
64258 2001 TB_{174}	15.5	X	228.87204	198.35451	352.41126	6.16576	0.0491566	0.26740740	2.3860915	20	—	—
64259 2001 TL_{188}	14.6	X	41.86828	271.80853	246.75999	5.40824	0.1475446	0.17942431	3.1132586	20	4 10.4	18.5
64260 2001 TK_{190}	16.0	X	336.92425	329.14006	298.83378	2.26943	0.0926719	0.29579022	2.2309004	20	5 14.7	18.0
64261 2001 TN_{190}	15.9	X	92.34832	61.52398	326.33668	2.23144	0.0729385	0.27659572	2.3329517	20	—	—
64262 2001 TR_{190}	15.6	X	252.77367	221.52456	359.22212	4.59157	0.0823395	0.27480114	2.3430975	20	—	—
64263 2001 TB_{191}	14.9	X	314.62791	240.66290	263.57828	7.08453	0.2191884	0.21610349	2.7501826	20	—	—
64264 2001 TM_{191}	15.2	X	134.06246	296.88844	313.36920	2.36071	0.0257969	0.20895137	2.8125866	20	11 23.3	19.2
64265 2001 TR_{192}	15.3	X	288.62793	271.25647	331.64426	4.97535	0.1358679	0.28340274	2.2954439	20	1 22.4	18.2
64266 2001 TX_{192}	14.6	X	16.08305	106.84046	310.28069	5.88619	0.0666068	0.26594838	2.3948105	20	—	—
64267 2001 TJ_{194}	15.7	X	80.88844	69.97047	242.15252	20.33612	0.0996450	0.37044847	1.9200720	20	—	—
64268 2001 TY_{195}	16.0	X	17.15245	8.87101	71.36486	3.72357	0.0592420	0.22258023	2.6965697	20	—	—
64269 2001 TZ_{196}	15.1	X	67.76083	95.19020	84.29837	12.12253	0.1660325	0.24059200	2.5602474	20	6 22.9	18.2
64270 2001 TA_{197}	12.5	X	273.92859	199.21519	134.73491	12.89153	0.0929656	0.08368073	5.1766929	20	5 20.3	19.5
64271 2001 TV_{202}	14.1	X	313.36332	126.97119	110.94847	10.78922	0.0422820	0.18387349	3.0628329	20	3 17.4	18.4
64272 2001 TZ_{202}	14.3	X	255.75568	212.72816	84.72395	12.55568	0.0499179	0.18469328	3.0537629	20	3 21.2	18.9
64273 2001 TM_{207}	14.8	X	9.93479	0.93750	185.67102	33.07425	0.1421796	0.23270494	2.6177750	20	3 15.8	17.6
64274 2001 TN_{209}	14.0	X	122.75898	204.12471	140.48134	13.24948	0.1308083	0.17164607	3.2066149	20	—	—
64275 2001 TG_{213}	15.2	X	111.20642	145.22215	239.12553	10.13982	0.0246341	0.22828446	2.6514604	20	1 4.7	18.8
64276 2001 TW_{218}	15.6	X	304.03647	34.50897	132.70239	7.15741	0.1226602	0.27522772	2.3406758	20	—	—
64277 2001 TD_{224}	16.0	X	184.65000	279.22097	245.68055	7.05111	0.1791369	0.25543935	2.4600514	20	10 1.7	20.0
64278 2001 TT_{225}	15.1	X	178.05669	183.42755	155.18289	13.25668	0.2613351	0.23245519	2.6196497	20	2 10.6	19.8
64279 2001 TF_{233}	14.2	X	96.98134	324.99244	117.97063	9.92841	0.0660810	0.18104212	3.0946839	20	3 17.7	18.6
64280 2001 TC_{235}	16.1	X	241.76153	308.82902	92.39881	8.55584	0.1273586	0.30162242	2.2020489	20	6 30.9	18.7
64281 2001 TL_{237}	16.1	X	216.69064	311.68977	153.13853	8.24932	0.1889413	0.25352918	2.4723925	20	8 18.3	20.0
64282 2001 UO_{5}	15.3	X	344.23449	55.15722	91.24709	8.81484	0.0891796	0.22081464	2.7109248	20	—	—
64283 2001 UV_{5}	15.8	X	113.74853	190.71278	179.57546	3.58217	0.1194316	0.27598584	2.3363874	20	—	—
64284 2001 UE_{6}	14.2	X	214.88473	59.46227	317.03756	13.07404	0.2044680	0.24146403	2.5540795	20	4 17.6	18.8
64285 2001 UN_{6}	15.2	X	89.04880	173.36791	177.03098	1.94128	0.0914270	0.21783472	2.7355919	20	—	—
64286 2001 UO_{7}	14.9	X	30.96453	211.42268	225.06233	11.13377	0.0263235	0.22511013	2.6763281	20	—	—
64287 2001 UX_{9}	14.4	X	87.22980	198.32185	149.64666	9.95389	0.1719841	0.21631144	2.7484197	20	—	—
64288 Lamchiuying	15.9	X	348.28786	324.75307	144.64708	2.88946	0.1501561	0.26920668	2.3754478	20	—	—
64289 Shihwingching	15.1	X	179.18436	241.18067	146.23629	3.50358	0.1495087	0.23486892	2.6016708	20	4 8.2	19.3
64290 Yaushingtung	15.0	X	89.04103	295.33383	170.66752	4.72011	0.1447842	0.17690012	3.1428040	20	4 14.0	19.3
64291 Anglee	15.3	X	7.64878	35.82519	88.41382	4.72629	0.0500378	0.22148847	2.7054237	20	—	—
64292 2001 UF_{13}	15.1	X	9.66736	198.01951	210.59561	3.97166	0.1167179	0.21322758	2.7748561	20	—	—
64293 2001 UK_{13}	15.7	X	139.42808	218.51876	189.28505	0.84802	0.1521909	0.23245192	2.6196743	20	3 25.1	19.5
64294 2001 UO_{13}	14.3	X	187.50490	226.23390	221.78118	1.92777	0.1767213	0.18933196	3.0036784	20	6 28.7	19.3
64295 Tangtisheng	15.7	X	88.41958	271.84248	168.41727	4.03274	0.1700540	0.28029848	2.3123605	20	3 2.8	17.9
64296 Hokoon	15.0	X	10.05763	332.48625	85.17890	6.87862	0.1141023	0.26619425	2.3933356	20	—	—
64297 2001 UD_{14}	15.7	X	99.01343	304.97947	16.73440	6.92748	0.1487510	0.26874377	2.3781748	20	—	—
64298 2001 UE_{15}	15.4	X	145.31366	259.22301	157.19045	4.53836	0.0620206	0.23252002	2.6191627	20	4 4.1	19.0
64299 2001 UF_{15}	15.2	X	89.34074	306.87752	111.78206	5.26655	0.2880227	0.22514206	2.6760751	20	3 3.3	18.6
64300 2001 UH_{16}	15.0	X	294.09086	183.43945	49.57615	4.74283	0.0352796	0.22886644	2.6469636	20	2 8.5	18.6
64301 2001 UN_{19}	16.0	X	8.09750	44.30277	115.89863	3.68908	0.1676494	0.28606193	2.2811964	20	1 19.9	17.9
64302 2001 UH_{22}	14.1	X	330.54776	11.80942	260.42663	8.52269	0.0359625	0.19238340	2.9718324	20	5 18.3	18.1
64303 2001 UF_{23}	14.3	X	236.72485	75.48529	284.97932	9.15338	0.0478235	0.19007961	2.9957968	20	5 6.8	18.8
64304 2001 UR_{23}	14.4	X	44.37727	272.30555	237.41474	13.78585	0.0370364	0.23676708	2.5877472	20	3 13.3	17.9
64305 2001 UD_{27}	14.7	X	52.18274	177.73704	157.56499	10.53621	0.1463369	0.21092524	2.7950120	20	12 18.5	18.8
64306 2001 UH_{29}	14.2	X	119.08303	343.89867	43.36821	20.93009	0.2189348	0.17678169	3.1442074	20	3 3.2	19.5
64307 2001 UQ_{29}	14.1	X	103.40886	317.59681	63.08628	11.59840	0.2296642	0.17383848	3.1795972	20	2 1.9	18.9
64308 2001 UJ_{30}	15.8	X	192.33110	272.42075	81.98450	6.64687	0.1531468	0.28980254	2.2615243	20	3 8.8	19.3
64309 2001 UM_{30}	14.0	X	2.33841	99.30196	146.92763	10.89998	0.0411199	0.19204448	2.9753279	20	6 1.1	18.1
64310 2001 UB_{32}	16.5	X	134.15065	59.36316	44.64226	5.52585	0.0892526	0.29611520	2.2292679	20	5 23.5	19.3
64311 2001 UQ_{32}	15.6	X	333.34134	319.24073	79.56505	7.66854	0.1278518	0.26235237	2.4166442	20	11 28.4	17.8
64312 2001 UY_{32}	16.8	X	193.79373	304.52155	110.69229	5.97772	0.1536075	0.29585040	2.2305978	20	5 26.5	20.2
64313 2001 UW_{33}	15.2	X	79.66954	43.28166	67.83459	13.07147	0.1088830	0.23310977	2.6147433	20	4 4.6	18.7
64314 2001 UL_{34}	15.2	X	295.07978	307.74333	68.59496	8.44182	0.2195342	0.25327532	2.4740443	20	7 27.4	17.9
64315 2001 UN_{34}	15.5	X	326.72787	66.84195	61.96173	14.35408	0.0692476	0.27223406	2.3578042	20	—	—
64316 2001 UT_{34}	16.1	X	173.33471	351.02900	135.50945	8.06435	0.0431743	0.30267415	2.1969449	20	8 14.1	18.7
64317 2001 UW_{35}	14.8	X	81.28725	213.65713	149.63375	10.08003	0.0040295	0.21755947	2.7378988	20	—	—
64318 2001 UH_{36}	16.0	X	136.42603	225.11665	94.53139	8.12472	0.1374211	0.27668408	2.3324550	20	—	—
64319 2001 UV_{37}	16.2	X	248.36570	249.44868	225.01451	5.35156	0.1048872	0.26017962	2.4300798	20	10 20.8	19.1
64320 2001 UK_{39}	15.8	X	188.37791	329.41401	198.36259	9.37741	0.1603314	0.25837305	2.4413942	20	10 13.5	19.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
64321 2001 UA_{40}	15.8	X	84.61672	56.95859	54.05109	5.88469	0.2029947	0.23320208	2.6140533	20	4 20.5	19.2
64322 2001 UO_{41}	16.0	X	59.74661	313.21752	186.10929	4.69179	0.1099691	0.28752787	2.2734361	20	3 31.9	18.3
64323 2001 UW_{41}	16.3	X	117.48336	331.18950	174.69308	4.39421	0.0582605	0.29768278	2.2214348	20	6 28.3	19.1
64324 2001 UG_{42}	15.3	X	317.53848	155.02203	209.82986	5.20861	0.0470481	0.20137749	2.8826734	20	8 30.1	19.0
64325 2001 UH_{46}	16.5	X	320.90386	324.70536	151.12432	2.50647	0.1479918	0.26845821	2.3798610	20	—	—
64326 2001 UX_{46}	12.6	X	278.37320	256.92590	79.63008	12.65794	0.0703571	0.08396045	5.1651890	20	5 28.6	19.5
64327 2001 UG_{47}	14.8	X	322.69624	275.64217	116.67242	3.09691	0.0849891	0.20550693	2.8439267	20	10 16.1	18.3
64328 2001 UH_{48}	15.5	X	141.08730	286.47917	144.08673	3.70090	0.1158036	0.23617335	2.5920823	20	4 22.7	19.3
64329 2001 UH_{51}	15.8	X	6.51544	229.81845	175.61243	3.90062	0.1775534	0.26560009	2.3969036	20	—	—
64330 2001 UM_{51}	15.1	X	124.54410	199.07828	194.13103	14.46453	0.0362843	0.22743938	2.6580242	20	2 1.5	19.0
64331 2001 UW_{52}	15.6	X	217.65920	200.17228	59.31639	6.83201	0.0808637	0.27688899	2.3313041	20	—	—
64332 2001 UL_{56}	15.6	X	69.91376	150.20540	299.12278	1.04514	0.0328848	0.23148796	2.6269418	20	2 4.5	18.9
64333 2001 UT_{58}	15.2	X	166.31469	292.99935	219.66034	4.26398	0.0505259	0.20091893	2.8870578	20	8 28.2	19.6
64334 2001 UK_{59}	16.0	X	278.48447	290.34088	219.99553	0.55155	0.1303238	0.26853038	2.3794346	20	—	—
64335 2001 UL_{62}	15.8	X	264.92548	281.22259	223.49629	5.77171	0.1598574	0.26461230	2.4028649	20	12 21.3	18.2
64336 2001 UO_{62}	14.6	X	43.52682	93.24106	32.11557	2.86060	0.0468263	0.17772942	3.1330200	20	2 24.7	18.7
64337 2001 UM_{63}	16.2	X	326.33198	97.48823	34.22263	5.96418	0.0819136	0.27240592	2.3568125	20	—	—
64338 2001 UU_{64}	15.2	X	253.05589	104.52156	287.40389	4.50416	0.1186034	0.30116182	2.2042936	20	7 3.9	17.7
64339 2001 US_{72}	14.6	X	58.57410	0.25149	75.85920	16.31431	0.2259285	0.22427951	2.6829319	20	1 26.1	17.4
64340 2001 UW_{72}	15.6	X	271.40042	161.75718	75.03751	4.07624	0.0460245	0.23045646	2.6347745	20	1 13.1	19.1
64341 2001 UX_{72}	16.2	X	38.34591	345.03669	140.91823	3.75361	0.0658140	0.28409075	2.2917364	20	1 31.1	18.6
64342 2001 UB_{76}	16.0	X	111.36366	43.37630	66.46570	5.39082	0.0560880	0.28989240	2.2610569	20	4 29.3	18.7
64343 2001 UH_{76}	14.9	X	60.86233	220.04730	200.14936	7.73866	0.1399827	0.22199336	2.7013201	20	—	—
64344 2001 UP_{76}	15.4	X	12.26342	343.81636	157.58824	2.63288	0.1478396	0.22686340	2.6625213	20	1 17.3	18.1
64345 2001 UY_{77}	15.0	X	277.44248	349.02874	50.59686	1.35834	0.1316838	0.19858533	2.9096312	20	8 9.0	18.7
64346 2001 US_{78}	16.7	X	206.23755	15.78745	56.77836	5.36405	0.1100956	0.29979705	2.2109783	20	7 4.4	19.7
64347 2001 UT_{78}	15.5	X	38.58192	351.34170	58.63826	4.83700	0.1519669	0.27244795	2.3565700	20	—	—
64348 2001 UL_{79}	14.3	X	300.45057	133.86357	47.57939	6.84261	0.0962020	0.17003167	3.2268801	20	—	—
64349 2001 UC_{80}	15.3	X	202.20851	90.52703	136.39621	3.40249	0.0500781	0.21676364	2.7445960	20	—	—
64350 2001 UV_{81}	15.4	X	216.85874	61.90819	74.57102	3.15616	0.0774558	0.20365890	2.8611050	20	10 6.2	19.6
64351 2001 UU_{83}	15.3	X	183.43591	153.21080	231.02210	7.59477	0.0329283	0.28810972	2.2703742	20	3 29.1	18.3
64352 2001 UX_{83}	15.0	X	180.10112	32.99621	59.20901	16.66540	0.1304708	0.24264425	2.5457908	20	6 28.6	19.2
64353 2001 UY_{83}	15.0	X	272.97721	293.84682	150.47049	2.29941	0.1037143	0.20264244	2.8706645	20	10 5.9	18.8
64354 2001 UB_{84}	14.0	X	231.84520	288.04576	55.66627	15.95865	0.1907234	0.23833411	2.5763918	20	4 6.5	18.4
64355 2001 UY_{84}	15.7	X	325.25846	136.41529	247.16551	2.09508	0.1792767	0.30792870	2.1718805	20	11 6.4	17.0
64356 2001 UZ_{86}	15.0	X	191.08143	148.71395	22.10959	2.02067	0.0194834	0.20610681	2.8384059	20	10 23.6	18.9
64357 2001 UJ_{89}	14.8	X	289.24978	154.34420	79.67823	15.34329	0.1184240	0.23289233	2.6163706	20	1 22.3	18.6
64358 2001 UR_{92}	14.8	X	247.56924	339.66869	52.59851	2.22062	0.0710316	0.19329216	2.9625104	20	6 29.6	19.1
64359 2001 UJ_{93}	15.8	X	345.96349	36.65786	83.70333	14.20652	0.1054442	0.27394194	2.3479943	20	—	—
64360 2001 UD_{97}	16.0	X	342.49248	85.61787	79.20649	2.38802	0.1317513	0.27980105	2.3151004	20	—	—
64361 2001 UK_{98}	15.1	X	324.17007	159.50239	65.05851	7.19368	0.1044448	0.28744618	2.2738668	20	2 20.6	17.8
64362 2001 UD_{99}	15.6	X	210.05593	178.56210	67.50911	10.90120	0.0712048	0.27180725	2.3602719	20	—	—
64363 2001 UV_{99}	16.3	X	31.11125	58.25851	152.30008	2.72522	0.0980815	0.29457868	2.2370130	20	5 29.1	18.4
64364 2001 UY_{100}	16.4	X	260.65737	11.08070	149.80520	2.48526	0.1355955	0.26967904	2.3726732	20	—	—
64365 2001 UG_{103}	15.5	X	321.03582	141.09941	90.65060	2.87688	0.0737771	0.23876471	2.5732933	20	3 6.2	18.6
64366 2001 UK_{107}	15.9	X	194.55111	90.08283	110.97100	3.45226	0.0918680	0.26370083	2.4083987	20	12 9.4	19.0
64367 2001 UC_{109}	15.1	X	173.44003	267.55138	154.09157	2.20777	0.1236281	0.18513405	3.0489141	20	5 15.4	19.9
64368 2001 UX_{109}	15.3	X	44.17409	208.94041	187.50414	2.54317	0.0823847	0.21658346	2.7461180	20	—	—
64369 2001 UW_{110}	17.0	X	251.01333	266.72348	207.29299	0.98278	0.1443560	0.25900039	2.4374503	20	10 18.0	19.6
64370 2001 UD_{112}	15.2	X	213.23483	157.78231	71.89641	0.33464	0.0042392	0.21803887	2.7338841	20	—	—
64371 2001 UH_{112}	15.7	X	183.33554	279.24790	212.08430	1.43391	0.0473917	0.19764643	2.9188385	20	8 21.7	19.9
64372 2001 UQ_{113}	15.4	X	158.85127	88.42187	146.58831	0.22081	0.1737357	0.26579624	2.3957242	20	12 8.4	19.0
64373 2001 UX_{113}	15.5	X	169.88033	37.38997	198.02574	4.72621	0.0363017	0.21345175	2.7729129	20	12 17.8	19.4
64374 2001 UO_{115}	15.9	X	247.24744	292.67254	189.79786	4.71634	0.0651099	0.25912761	2.4366524	20	11 6.9	19.0
64375 2001 UF_{116}	15.2	X	92.94423	347.39094	210.88476	1.19253	0.0339670	0.19445980	2.9506395	20	7 29.1	19.4
64376 2001 UR_{116}	15.7	X	331.74114	165.44557	90.22481	3.65279	0.0267958	0.23926436	2.5697096	20	4 29.1	19.0
64377 2001 UT_{116}	15.8	X	342.08102	79.31331	83.41592	5.30000	0.0819062	0.27841729	2.3227648	20	—	—
64378 2001 UE_{122}	15.2	X	142.78796	34.87103	73.01407	2.99902	0.1213744	0.18615933	3.0377091	20	6 10.4	19.7
64379 2001 UG_{123}	14.9	X	145.60195	23.50980	77.38711	1.46989	0.1924956	0.18443757	3.0565849	20	6 8.6	20.0
64380 2001 UN_{127}	15.9	X	48.78987	354.30334	154.85531	5.35876	0.1239430	0.28598140	2.2816246	20	3 30.5	18.0
64381 2001 UL_{129}	16.5	X	322.50130	42.36954	101.32103	2.96876	0.1703564	0.27452438	2.3446720	20	—	—
64382 2001 UC_{130}	16.0	X	150.89266	34.03456	192.93268	1.92489	0.1207296	0.26431003	2.4046966	20	11 23.2	19.6
64383 2001 UY_{130}	15.9	X	231.39742	357.35927	191.41696	2.10740	0.1533774	0.26650108	2.3914983	20	12 31.1	18.7
64384 2001 UA_{132}	15.9	X	208.04105	342.13509	216.14674	5.38266	0.1400858	0.26427847	2.4048880	20	12 15.4	19.3
64385 2001 UM_{136}	14.9	X	14.47710	326.17949	64.08999	3.07831	0.0747046	0.21031546	2.8004119	20	12 28.5	18.4
64386 2001 UO_{141}	15.8	X	110.32730	278.36316	210.24827	2.21930	0.2703520	0.18349303	3.0670652	20	6 17.5	20.8
64387 2001 UW_{144}	15.6	X	190.70023	145.41007	91.51538	2.40443	0.1495701	0.26916301	2.3757047	20	—	—
64388 2001 UD_{148}	16.3	X	244.73054	310.51105	212.47318	5.87021	0.0809296	0.26561423	2.3968185	20	12 26.2	19.3
64389 2001 UU_{149}	16.0	X	348.87664	326.77520	211.70075	4.13864	0.0776618	0.28129027	2.3069220	20	1 24.3	18.5
64390 2001 UY_{149}	14.6	X	110.81581	346.58733	110.88745	2.53142	0.2482435	0.12641413	3.9319288	20	5 10.8	20.8
64391 2001 UF_{150}	16.1	X	358.89121	75.12539	75.26913	0.88465	0.0605861	0.27863702	2.3215435	20	1 4.5	18.5
64392 2001 UL_{150}	15.5	X	153.52190	295.47002	110.93266	2.00177	0.0281641	0.23401258	2.6080140	20	3 28.5	19.0
64393 2001 UV_{151}	15.5	X	153.33737	203.99943	56.10080	7.17673	0.1134906	0.26585524	2.3953698	20	—	—
64394 2001 UN_{152}	15.7	X	353.03800	197.36708	122.53654	3.57481	0.1998487	0.25361043	2.4718644	20	9 13.4	17.6
64395 2001 US_{152}	15.8	X	57.97013	80.30531	82.78402	4.21156	0.0969316	0.28810232	2.2704131	20	5 3.5	18.0
64396 2001 UY_{153}	15.6	X	128.26496	282.08944	222.77097	2.28713	0.0550015	0.24278251	2.5448242	20	7 8.2	19.2
64397 2001 UK_{154}	15.0	X	341.08869	289.23146	244.90769	4.27751	0.1766090	0.22345550	2.6895235	20	1 5.2	18.1
64398 2001 US_{154}	14.4	X	193.29073	305.48636	72.83319	12.06360	0.0230009	0.18157886	3.0885824	20	4 17.5	19.0
64399 2001 UT_{156}	16.3	X	322.62944	308.28962	193.00556	5.91180	0.0437529	0.27242663	2.3566930	20	—	—
64400 2001 UB_{158}	15.8	X	257.21127	351.24238	188.64949	1.00417	0.1248505	0.26707553	2.3880678	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
64401 2001 UJ_{158}	15.6	X	252.15404	161.94892	70.51736	5.10751	0.1911857	0.27535189	2.3399721	20	—	—
64402 2001 UL_{161}	15.4	X	321.29290	157.10930	79.87604	7.05155	0.0684235	0.28619030	2.2805142	20	3 11.5	18.1
64403 2001 US_{161}	15.9	X	265.75311	305.26648	230.99785	2.44384	0.1052569	0.26687803	2.3892458	20	—	—
64404 2001 UT_{161}	16.0	X	271.79896	79.50508	189.44070	1.79556	0.1082604	0.28423152	2.2909796	20	2 7.8	19.1
64405 2001 UZ_{161}	16.1	X	280.49137	43.79618	138.57548	3.05894	0.1218799	0.26969182	2.3725982	20	—	—
64406 2001 UP_{162}	16.7	X	180.61717	157.71616	123.53175	2.92771	0.0723795	0.27429731	2.3459659	20	—	—
64407 2001 UG_{164}	15.3	X	317.29364	302.12390	199.18504	13.30127	0.0425891	0.22022451	2.7157656	20	—	—
64408 2001 UM_{164}	15.2	X	117.67183	180.81353	161.50654	6.64656	0.0332827	0.22094790	2.7098347	20	—	—
64409 2001 UV_{165}	13.9	X	196.89890	201.18619	75.59963	12.44180	0.0221787	0.17144181	3.2091614	20	—	—
64410 2001 UM_{167}	15.6	X	352.74755	63.00710	350.51391	10.00236	0.2713579	0.21112973	2.7932070	20	—	—
64411 2001 UJ_{168}	14.3	X	156.83907	74.88990	356.05804	12.15927	0.1522777	0.23580834	2.5947565	20	5 5.8	18.6
64412 2001 UV_{168}	14.4	X	160.56386	352.55229	28.29592	14.40827	0.1869645	0.23014287	2.6371674	20	3 20.0	18.8
64413 2001 UY_{168}	14.4	X	171.03332	50.48201	345.70729	11.21478	0.1664284	0.23290608	2.6162676	20	4 6.9	18.8
64414 2001 UJ_{171}	14.9	X	106.79106	49.90675	14.94968	9.57922	0.0695626	0.22725961	2.6594258	20	3 2.3	18.5
64415 2001 UL_{174}	16.2	X	319.24362	18.02919	153.53285	3.30730	0.1241056	0.27598895	2.3363698	20	—	—
64416 2001 UU_{177}	15.5	X	101.46655	226.31825	39.16905	6.09161	0.0851933	0.25983702	2.4322154	20	11 18.1	18.8
64417 2001 UA_{178}	15.5	X	68.90353	272.13341	219.76253	2.05545	0.1208705	0.23165555	2.6256746	20	4 11.4	18.4
64418 2001 UE_{184}	15.1	X	248.60496	188.82722	120.19384	11.27432	0.0820653	0.23589167	2.5941454	20	3 16.9	18.9
64419 2001 UG_{186}	16.3	X	258.53965	162.23766	309.76356	5.95211	0.0925501	0.26205238	2.4184882	20	11 1.5	19.3
64420 2001 UY_{196}	15.7	X	75.16122	314.20258	64.17667	8.16490	0.1677156	0.27603180	2.3361280	20	—	—
64421 2001 UD_{203}	14.7	X	1.74040	173.08828	13.55692	5.21181	0.1050907	0.18095502	3.0956769	20	3 12.3	18.4
64422 2001 UP_{206}	14.5	X	163.74793	327.28901	70.29196	10.50574	0.0991674	0.18594340	3.0400603	20	4 9.9	19.3
64423 2001 UV_{217}	15.7	X	7.01817	261.96105	229.74946	2.33532	0.0230797	0.22473651	2.6792935	20	1 5.6	19.1
64424 2001 VK_{1}	14.6	X	351.81398	129.80297	268.67577	3.26512	0.0728940	0.21015430	2.8018434	20	12 6.8	18.2
64425 2001 VD_{6}	15.6	X	37.16131	179.39003	245.00194	2.69484	0.0247081	0.27365353	2.3496437	20	—	—
64426 2001 VL_{7}	15.3	X	122.41794	15.17854	63.40842	0.26462	0.1512792	0.18090700	3.0962247	20	4 17.5	20.0
64427 2001 VR_{8}	15.6	X	80.61349	102.68535	75.60333	6.10022	0.0939581	0.29394806	2.2402113	20	6 30.1	18.1
64428 2001 VW_{8}	15.3	X	272.36335	357.75225	259.61682	7.21038	0.1562567	0.28243882	2.3006636	20	1 18.9	18.7
64429 2001 VF_{9}	14.4	X	147.43018	337.91429	88.88047	9.74463	0.1734247	0.18158127	3.0885551	20	5 2.4	19.5
64430 2001 VK_{9}	15.3	X	39.36245	80.47640	65.69148	3.27072	0.0366251	0.22980334	2.6397643	20	3 10.0	18.6
64431 2001 VG_{11}	14.7	X	99.09934	68.36189	280.49451	12.51440	0.0739669	0.21894779	2.7263127	20	—	—
64432 2001 VX_{14}	14.8	X	116.06713	108.67432	6.57116	5.31508	0.1672208	0.18205461	3.0831992	20	5 26.3	19.6
64433 2001 VC_{15}	15.4	X	318.93320	240.01715	0.15851	5.53282	0.1319121	0.28581261	2.2825228	20	2 28.2	17.9
64434 2001 VN_{16}	14.8	X	33.82477	345.32994	147.23461	13.95947	0.2044266	0.22726021	2.6594211	20	2 18.3	17.1
64435 2001 VL_{18}	15.2	X	129.70626	208.56833	282.86852	1.01478	0.1550078	0.18747464	3.0234842	20	6 29.1	20.0
64436 2001 VC_{20}	16.1	X	326.74849	283.48484	256.40344	3.13538	0.1868323	0.27701840	2.3305780	20	—	—
64437 2001 VO_{20}	15.6	X	235.78850	295.08910	248.92245	1.62174	0.1247405	0.26518835	2.3993840	20	—	—
64438 2001 VH_{21}	14.3	X	36.15845	271.14650	236.01921	12.68670	0.1699140	0.17530833	3.1617996	20	3 15.7	18.2
64439 2001 VA_{23}	15.6	X	259.40001	241.69222	18.00646	2.68489	0.0272097	0.22796544	2.6539335	20	1 30.4	19.3
64440 2001 VD_{23}	15.7	X	337.42633	10.22639	28.16122	1.60376	0.1797298	0.26072656	2.4266801	20	12 9.6	17.7
64441 2001 VS_{23}	15.4	X	327.86325	185.15024	10.22058	3.12900	0.1248713	0.22672214	2.6636271	20	1 21.8	18.8
64442 2001 VJ_{24}	15.5	X	157.45318	2.42024	242.86793	6.74258	0.0745762	0.26362716	2.4088474	20	12 24.7	18.9
64443 2001 VQ_{25}	14.7	X	285.75369	59.26008	245.79892	14.36773	0.0923749	0.23935291	2.5690758	20	4 17.2	18.3
64444 2001 VO_{26}	15.3	X	38.95352	104.11410	23.90931	1.19930	0.0323189	0.22783513	2.6549454	20	2 13.3	18.5
64445 2001 VS_{26}	15.5	X	337.86334	239.09786	46.17860	1.67434	0.0362468	0.24271563	2.5452916	20	6 16.8	18.6
64446 2001 VU_{27}	15.3	X	79.61615	347.97960	53.40572	6.56528	0.0800447	0.22175119	2.7032865	20	—	—
64447 2001 VH_{28}	15.4	X	313.86314	115.67664	60.34736	5.72854	0.0689285	0.27446425	2.3450144	20	—	—
64448 2001 VZ_{28}	15.6	X	58.55515	131.49285	240.88701	1.66782	0.1784918	0.26914069	2.3758361	20	—	—
64449 2001 VU_{29}	15.1	X	202.91875	116.72396	51.32973	2.79775	0.0309067	0.20431957	2.8549340	20	11 2.3	19.1
64450 2001 VC_{30}	15.2	X	110.22924	211.06129	265.67071	3.25531	0.0624173	0.23580225	2.5948012	20	5 8.2	18.7
64451 2001 VD_{30}	14.9	X	170.71476	291.75264	24.21392	2.83755	0.1298971	0.22356135	2.6886745	20	1 3.9	18.9
64452 2001 VW_{30}	14.2	X	74.56942	66.57565	39.20699	1.12641	0.2124503	0.17401111	3.1774939	20	4 4.4	18.3
64453 2001 VE_{31}	15.0	X	156.42068	308.34174	72.06406	2.72878	0.0814763	0.22998098	2.6384049	20	3 4.2	18.7
64454 2001 VJ_{31}	15.0	X	100.34094	279.88738	108.10717	3.05176	0.1581543	0.22359024	2.6884430	20	1 17.2	18.4
64455 2001 VL_{32}	15.5	X	196.20954	6.56793	49.89906	6.18414	0.0522387	0.29347483	2.2426189	20	6 1.3	18.2
64456 2001 VP_{32}	15.8	X	24.34633	2.75443	27.28506	2.92707	0.1621529	0.26558484	2.3969954	20	—	—
64457 2001 VH_{34}	15.5	X	231.07958	299.47541	135.53084	3.43853	0.0969991	0.24746718	2.5126055	20	8 4.8	18.9
64458 2001 VF_{35}	15.2	X	136.29961	347.18425	51.69232	3.39073	0.0425944	0.28197579	2.3031815	20	2 22.8	18.0
64459 2001 VG_{35}	15.4	X	226.97131	220.12440	59.50525	7.63558	0.1030772	0.27804662	2.3248287	20	1 6.5	18.8
64460 2001 VQ_{35}	15.8	X	7.90119	195.75429	227.83085	7.51005	0.1258041	0.26661476	2.3908184	20	—	—
64461 2001 VL_{36}	15.9	X	11.95242	319.58205	20.89828	1.48640	0.1849795	0.25752452	2.4467541	20	11 18.3	18.4
64462 2001 VG_{37}	15.1	X	342.25479	11.19333	79.53637	7.44772	0.0498267	0.26607342	2.3940601	20	—	—
64463 2001 VY_{37}	15.4	X	285.03120	249.58531	25.70084	1.29585	0.0869137	0.23518153	2.5993649	20	3 12.5	18.7
64464 2001 VQ_{38}	16.0	X	282.30198	175.53673	45.54730	4.96368	0.1326646	0.27742931	2.3282761	20	—	—
64465 2001 VX_{40}	15.8	X	45.54733	179.22711	69.89460	4.43006	0.1177067	0.29909246	2.2144493	20	8 30.3	18.2
64466 2001 VY_{40}	15.4	X	273.27518	334.00477	103.57977	3.90447	0.1194317	0.25434042	2.4671324	20	10 6.1	18.2
64467 2001 VC_{41}	15.2	X	227.17399	28.56641	8.70934	1.56376	0.0717446	0.18831145	3.0145204	20	6 11.3	19.5
64468 2001 VG_{41}	14.9	X	237.97842	302.79058	81.65464	2.37533	0.2581787	0.19053299	2.9910426	20	5 21.3	19.7
64469 2001 VP_{41}	15.8	X	9.57884	43.39225	328.23991	0.79565	0.0986585	0.20845463	2.8170530	20	11 30.5	19.2
64470 2001 VJ_{42}	15.7	X	118.34820	354.89871	60.56099	6.36984	0.1343816	0.28195378	2.3033014	20	3 8.3	18.7
64471 2001 VL_{42}	15.6	X	204.50146	326.07279	35.63143	1.51871	0.1319804	0.23471041	2.6028420	20	3 30.3	19.7
64472 2001 VE_{43}	15.6	X	224.07585	315.01775	83.78359	5.81005	0.1778059	0.29586394	2.2305298	20	6 1.7	18.7
64473 2001 VQ_{43}	15.3	X	151.20483	79.58852	283.59604	2.62612	0.2344861	0.22829302	2.6513942	20	2 17.3	19.7
64474 2001 VS_{43}	14.9	X	46.34938	218.16923	76.01181	6.67263	0.1018738	0.25323426	2.4743117	20	10 24.6	18.1
64475 2001 VF_{44}	16.1	X	11.97714	45.14031	334.18627	0.63528	0.1768221	0.26195998	2.4190569	20	—	—
64476 2001 VO_{44}	15.3	X	17.59597	298.15071	98.51428	3.63151	0.1670072	0.26483890	2.4014942	20	—	—
64477 2001 VS_{44}	14.6	X	67.13504	89.26476	84.37349	8.57548	0.1275103	0.23479034	2.6022513	20	6 7.7	17.8
64478 2001 VT_{44}	14.6	X	72.12875	96.64279	274.96993	5.15401	0.1351422	0.26919935	2.3754909	20	—	—
64479 2001 VC_{45}	14.7	X	349.41490	109.70420	69.15879	15.66878	0.0611328	0.22485719	2.6783348	20	2 14.2	18.4
64480 2001 VG_{45}	15.3	X	29.13856	347.50113	27.03898	1.59780	0.1951693	0.26382796	2.4076250	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
64481 2001 VK_{47}	15.0	X	149.03951	348.50043	67.42103	6.77595	0.0695151	0.28372745	2.2936922	20	4 7.2	18.0
64482 2001 VM_{47}	15.4	X	50.66296	207.83655	249.03299	1.65027	0.0554578	0.22343381	2.6896976	20	1 21.4	18.8
64483 2001 VY_{48}	14.4	X	255.89973	271.27752	71.36378	8.06520	0.2147961	0.23790446	2.5794928	20	4 21.4	18.4
64484 2001 VB_{49}	15.5	X	67.47913	133.72320	86.07226	2.42845	0.0184075	0.24389584	2.5370739	20	7 26.2	18.7
64485 2001 VC_{49}	15.0	X	293.25701	345.59408	72.71204	3.05957	0.0523084	0.20060684	2.8900514	20	10 7.7	18.8
64486 2001 VK_{50}	15.5	X	310.60332	248.38791	331.58493	6.31388	0.0735627	0.28425701	2.2908426	20	1 28.7	18.2
64487 2001 VL_{50}	14.4	X	105.94704	67.35963	352.16000	8.70667	0.0723369	0.17709979	3.1404413	20	2 27.7	18.8
64488 2001 VC_{54}	15.9	X	156.67949	253.28443	251.22916	6.65405	0.0637658	0.30224615	2.1990184	20	8 14.4	18.9
64489 2001 VQ_{55}	14.5	X	273.64069	28.59668	276.92001	6.01217	0.1631747	0.18833671	3.0142509	20	3 27.2	19.1
64490 2001 VY_{57}	14.6	X	258.27652	292.62054	243.16665	7.07627	0.0279571	0.21648303	2.7469672	20	—	—
64491 2001 VJ_{59}	15.9	X	31.72103	71.06245	288.76154	2.59290	0.1489321	0.26498619	2.4006042	20	—	—
64492 2001 VE_{62}	15.6	X	260.97153	323.69512	267.41855	3.96322	0.1068810	0.27760667	2.3272844	20	—	—
64493 2001 VL_{62}	14.8	X	352.66858	112.11501	38.96928	12.76835	0.1516708	0.22364251	2.6880240	20	—	—
64494 2001 VP_{62}	16.6	X	283.16787	281.07573	11.70288	3.26273	0.1114480	0.29165244	2.2519512	20	3 24.5	19.2
64495 2001 VB_{63}	14.7	X	110.66260	65.89663	45.14589	26.35857	0.2579253	0.18043577	3.1016132	20	5 21.8	19.8
64496 2001 VC_{64}	15.1	X	191.98255	154.81658	6.90780	3.95359	0.0973623	0.20222727	2.8745921	20	10 6.3	19.5
64497 2001 VF_{64}	15.4	X	110.08491	255.88170	261.09231	6.15641	0.1809260	0.24070861	2.5594205	20	7 15.3	19.3
64498 2001 VZ_{64}	15.2	X	358.85184	284.93634	322.74348	3.76110	0.1407734	0.29436006	2.2381205	20	5 23.4	16.8
64499 2001 VG_{65}	15.3	X	278.80965	94.34833	38.39426	8.23682	0.1698245	0.20928968	2.8095548	20	12 7.4	18.5
64500 2001 VX_{65}	15.0	X	114.34705	14.12230	26.88845	6.41271	0.1118537	0.22740715	2.6582754	20	2 15.9	18.6
64501 2001 VZ_{65}	14.7	X	57.23003	126.67671	20.92253	4.82591	0.1934636	0.23105668	2.6302097	20	4 25.7	17.5
64502 2001 VQ_{66}	15.3	X	359.88758	66.13779	333.14858	3.41762	0.1081698	0.21003748	2.8028823	20	12 23.7	18.8
64503 2001 VJ_{70}	14.9	X	130.05704	118.09216	309.73290	11.25981	0.0205748	0.23326464	2.6135859	20	3 18.9	18.7
64504 2001 VO_{70}	15.6	X	20.31460	264.67286	251.46666	3.77620	0.0853137	0.22763868	2.6564726	20	2 21.3	18.6
64505 2001 VP_{75}	17.1	X	212.97867	211.38415	264.57913	0.39022	0.1361151	0.25386469	2.4702137	20	9 3.4	20.7
64506 2001 VJ_{76}	13.8	X	240.08106	241.15172	149.43199	12.98699	0.2262709	0.24350001	2.5398226	20	6 4.5	18.1
64507 2001 VH_{77}	15.2	X	309.60669	54.76207	76.81503	8.82086	0.1707853	0.21377347	2.7701301	20	—	—
64508 2001 VR_{79}	15.1	X	12.18512	347.82951	111.56246	5.98548	0.1249579	0.21935839	2.7229096	20	—	—
64509 2001 VL_{81}	14.8	X	274.65374	48.11680	297.53197	2.86552	0.1562893	0.29225502	2.2488547	20	5 19.6	17.6
64510 2001 VR_{81}	15.6	X	326.36382	112.11857	57.93925	10.39383	0.1631019	0.22201077	2.7011789	20	—	—
64511 2001 VT_{83}	15.9	X	297.67369	289.90877	253.68932	5.27258	0.1799329	0.27544276	2.3394574	20	—	—
64512 2001 VD_{85}	15.9	X	197.94314	21.16467	184.29883	1.95251	0.1554093	0.26285643	2.4135538	20	12 11.1	19.3
64513 2001 VL_{85}	16.0	X	161.40915	168.08262	359.99683	6.35898	0.0872602	0.25229959	2.4804188	20	9 18.9	19.4
64514 2001 VT_{88}	15.2	X	141.99933	312.77312	159.18803	13.74398	0.1248391	0.23986509	2.5654173	20	6 16.9	19.4
64515 2001 VE_{93}	14.7	X	270.24016	184.91871	167.72083	12.12852	0.2172769	0.24575645	2.5242523	20	5 19.0	18.5
64516 2001 VD_{94}	15.3	X	104.16842	266.98028	155.47528	12.49539	0.0090089	0.22756555	2.6570417	20	2 11.7	18.8
64517 2001 VH_{94}	14.8	X	113.96091	275.28416	168.95260	12.41712	0.1608488	0.23164263	2.6257723	20	4 16.8	18.6
64518 2001 VK_{94}	14.1	X	215.42991	246.48603	166.08637	13.41372	0.1085485	0.24284559	2.5443835	20	6 16.6	18.2
64519 2001 VQ_{96}	15.5	X	211.05661	62.99023	119.33636	16.48509	0.1168830	0.25973855	2.4328301	20	12 4.1	19.1
64520 2001 VF_{98}	15.0	X	233.21405	166.32923	177.18632	15.34596	0.1587884	0.23515021	2.5995957	20	4 4.1	19.0
64521 2001 VG_{98}	14.6	X	89.55178	254.65927	160.24532	10.60634	0.2248067	0.27691365	2.3311657	20	2 6.1	17.0
64522 2001 VJ_{98}	14.1	X	229.74451	191.98261	183.27284	13.58015	0.1652224	0.23870014	2.5737573	20	5 11.0	18.3
64523 2001 VA_{99}	14.9	X	123.60299	213.57346	230.77462	17.43465	0.1167120	0.23003222	2.6380131	20	4 17.9	18.9
64524 2001 VB_{100}	14.2	X	133.60982	187.20238	224.35116	23.33164	0.2497504	0.28294875	2.2978986	20	3 25.7	18.1
64525 2001 VU_{101}	15.7	X	211.10212	285.90146	265.42212	6.94535	0.0358685	0.21067084	2.7972617	20	12 11.4	19.5
64526 2001 VE_{104}	16.1	X	101.98607	98.77747	340.67824	1.79560	0.0421370	0.28412719	2.2915404	20	2 29.6	18.8
64527 2001 VF_{105}	15.3	X	261.70027	112.38186	34.32454	6.43687	0.0375892	0.21059717	2.7979140	20	12 18.7	19.0
64528 2001 VZ_{105}	15.7	X	277.91580	3.55274	273.39356	2.26097	0.0484698	0.28720505	2.2751393	20	3 3.8	18.4
64529 2001 VV_{107}	15.8	X	1.10849	334.52522	285.61102	3.89096	0.1288072	0.29674030	2.2261360	20	6 20.9	17.3
64530 2001 VF_{110}	16.0	X	17.08729	347.45275	8.06412	1.24713	0.2190005	0.26202103	2.4186811	20	12 23.6	18.9
64531 2001 VE_{111}	15.5	X	172.83356	305.47794	8.78716	3.82516	0.1630286	0.27814316	2.3242908	20	—	—
64532 2001 VB_{114}	14.8	X	80.93955	90.69590	26.15138	5.45557	0.1168585	0.17730323	3.1380386	20	4 12.3	18.9
64533 2001 VR_{116}	15.2	X	116.32992	87.95853	0.05922	0.77728	0.1759594	0.17859748	3.1228599	20	4 25.2	19.9
64534 2001 VE_{117}	16.1	X	296.15165	4.08695	266.12135	2.80937	0.1192871	0.28700528	2.2761950	20	3 7.8	18.9
64535 2001 VF_{117}	14.4	X	115.34355	54.28955	49.90739	5.47358	0.1422686	0.18006750	3.1058406	20	5 10.4	19.1
64536 2001 VV_{117}	15.5	X	136.21884	167.53333	354.21816	2.69300	0.0754702	0.24436180	2.5338477	20	8 12.5	19.0
64537 2001 VZ_{117}	15.7	X	325.58570	158.65465	67.94143	5.70082	0.0971187	0.28246129	2.3005416	20	2 27.1	18.3
64538 2001 VF_{118}	15.7	X	108.16812	182.46281	58.66776	2.96898	0.0707919	0.30621071	2.1799965	20	11 2.6	18.5
64539 2001 VJ_{118}	14.7	X	103.92196	66.06017	21.49746	3.53750	0.1352998	0.17597173	3.1538482	20	4 6.8	19.2
64540 2001 VR_{118}	14.4	X	99.02140	36.31144	57.28585	6.05354	0.1333834	0.17575123	3.1564855	20	4 10.2	19.0
64541 2001 VZ_{118}	15.6	X	124.13160	293.97097	57.06503	7.65236	0.0497615	0.22142567	2.7059353	20	—	—
64542 2001 VB_{120}	15.2	X	158.87563	114.69548	347.75716	2.92662	0.1248861	0.18537681	3.0462516	20	6 19.9	20.1
64543 2001 VK_{120}	15.4	X	339.04575	201.72984	64.86052	4.72845	0.1447865	0.29134359	2.2535424	20	5 12.3	17.0
64544 2001 VD_{121}	14.8	X	123.35751	265.99501	176.32851	17.27255	0.2146325	0.18056847	3.1000933	20	5 2.1	19.9
64545 2001 VB_{122}	14.6	X	114.87976	304.48545	123.40566	8.68868	0.1449220	0.17894874	3.1187719	20	3 30.7	19.3
64546 2001 VJ_{122}	15.1	X	337.25011	277.87176	140.36744	12.92063	0.2086133	0.25888409	2.4381803	20	—	—
64547 Saku	15.2	X	237.27921	318.62354	141.40451	7.35554	0.0927890	0.25203236	2.4821719	20	9 19.2	18.4
64548 2001 WK_{1}	16.5	X	141.80566	336.15106	279.66328	1.39742	0.1112243	0.31534229	2.1377057	20	12 31.1	19.3
64549 2001 WO_{1}	16.5	X	219.14919	228.53891	147.94878	6.36280	0.1471294	0.29339641	2.2430185	20	5 1.7	19.8
64550 2001 WJ_{7}	15.9	X	249.44264	100.59830	92.39521	3.02179	0.1332690	0.26838301	2.3803055	20	—	—
64551 2001 WO_{9}	15.6	X	5.88782	49.02264	168.76876	5.81768	0.1454124	0.28783145	2.2718373	20	4 21.6	17.3
64552 2001 WE_{15}	13.5	X	104.09012	65.43395	2.16228	13.16678	0.1821302	0.22646182	2.6656680	20	3 16.5	17.1
64553 Segorbe	15.8	X	18.70693	8.65999	110.84095	6.41492	0.1517033	0.27422979	2.3463509	20	—	—
64554 2001 WG_{17}	16.1	X	315.00744	235.59048	305.46878	1.06539	0.0567054	0.27905180	2.3192425	20	—	—
64555 2001 WA_{22}	15.4	X	56.76900	335.34214	180.98353	13.18180	0.1208875	0.23476187	2.6024617	20	4 29.2	18.5
64556 2001 WB_{22}	15.2	X	41.75807	79.68895	83.65815	9.54159	0.0266435	0.23403061	2.6078800	20	4 7.8	18.7
64557 2001 WU_{25}	16.8	X	252.10806	128.01122	226.98861	5.00752	0.1119464	0.29669495	2.2263628	20	5 10.6	19.8
64558 2001 WH_{27}	15.7	X	91.41324	121.69961	184.82826	5.81195	0.1066262	0.26466677	2.4025352	20	12 31.6	19.3
64559 2001 WU_{28}	15.9	X	55.24075	186.86677	187.22754	4.62891	0.1843359	0.26917132	2.3756559	20	—	—
64560 2001 WB_{30}	15.7	X	317.53382	175.58412	70.50985	4.92699	0.1163314	0.28668487	2.2778906	20	3 9.7	18.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
64561 2001 WT_{31}	16.1	X	99.06968	252.15637	217.73215	6.77419	0.1573986	0.23351394	2.6117253	20	4 29.4	19.7
64562 2001 WX_{32}	14.5	X	151.76762	255.85866	205.52445	9.61838	0.0779367	0.18735061	3.0248184	20	6 9.5	19.2
64563 2001 WL_{35}	15.2	X	208.99770	154.32650	102.32011	6.13237	0.0160034	0.21911078	2.7249606	20	—	—
64564 2001 WN_{35}	14.8	X	127.79190	317.96554	141.11586	6.61300	0.1375079	0.18232427	3.0801585	20	5 18.5	19.6
64565 2001 WA_{36}	15.6	X	328.32808	243.71128	157.87014	4.54048	0.0758623	0.25852629	2.4404293	20	11 19.9	18.2
64566 2001 WD_{36}	15.5	X	6.84097	39.14709	116.34442	7.32495	0.0400061	0.27970933	2.3156064	20	1 25.7	18.0
64567 2001 WB_{37}	15.3	X	130.58821	193.90654	71.32227	6.02570	0.1759796	0.26518103	2.3994281	20	12 19.9	19.1
64568 2001 WK_{38}	15.4	X	329.82908	254.60727	197.56285	7.08977	0.1988665	0.21065100	2.7974373	20	—	—
64569 2001 WO_{38}	15.8	X	205.97505	310.98088	106.25812	6.49106	0.0866598	0.29503536	2.2347040	20	6 13.9	18.7
64570 2001 WS_{38}	15.8	X	55.82953	53.73044	206.49257	6.53696	0.1477461	0.30256602	2.1974683	20	10 2.6	18.4
64571 2001 WT_{38}	14.9	X	48.63956	143.67064	118.15429	5.99250	0.1049353	0.30172620	2.2015440	20	9 21.7	17.4
64572 2001 WA_{39}	14.9	X	159.99271	328.11918	127.19165	5.42714	0.2065713	0.23866738	2.5739929	20	6 15.5	19.2
64573 2001 WC_{40}	16.1	X	255.87119	236.31041	149.84455	5.70581	0.1210160	0.29782968	2.2207043	20	6 28.5	18.9
64574 2001 WD_{40}	15.5	X	97.53907	236.67263	222.06449	9.67740	0.0749444	0.28302488	2.2974865	20	3 23.9	18.3
64575 2001 WM_{40}	14.7	X	257.18293	182.10865	222.75175	9.32065	0.1172222	0.24630306	2.5205163	20	7 22.1	18.2
64576 2001 WG_{41}	15.8	X	194.54048	219.28118	172.28508	6.44869	0.1591526	0.28822916	2.2697469	20	4 26.3	19.3
64577 2001 WQ_{41}	14.7	X	210.41796	105.89817	269.07183	22.90967	0.0870788	0.39243618	1.8476655	20	4 3.6	17.6
64578 2001 WR_{44}	15.8	X	189.86771	341.30263	210.43598	4.46898	0.0570028	0.25970201	2.4330582	20	11 25.2	19.1
64579 2001 WG_{47}	14.8	X	353.08737	22.76570	105.92112	13.82053	0.1394782	0.21494478	2.7600574	20	—	—
64580 2001 WN_{50}	15.0	X	316.94766	172.31401	37.54397	1.60412	0.0893914	0.17659470	3.1464266	20	2 7.3	19.3
64581 2001 WN_{64}	14.8	X	359.55879	189.87351	63.75322	13.23931	0.1244948	0.23963027	2.5670930	20	6 4.2	17.3
64582 2001 WJ_{67}	16.0	X	222.17738	110.71506	92.10313	2.93441	0.1680324	0.26739518	2.3861642	20	—	—
64583 2001 WS_{84}	16.3	X	274.38508	180.78392	37.96354	0.37687	0.0496477	0.22336391	2.6902587	20	—	—
64584 2001 WW_{88}	15.3	X	105.91121	260.30516	33.56930	6.99938	0.1157103	0.26311974	2.4119433	20	12 31.6	19.0
64585 2001 WW_{91}	15.9	X	59.75658	348.20176	332.40205	4.83915	0.1756065	0.31252806	2.1505194	20	—	—
64586 2001 WJ_{94}	16.2	X	38.70547	44.22006	123.65060	0.90346	0.1573744	0.23382660	2.6093967	20	4 16.6	18.8
64587 2001 XA	14.0	X	115.96777	350.27942	71.17815	17.89146	0.2608829	0.22607989	2.6686693	20	4 8.9	18.4
64588 2001 XX_{3}	13.9	X	176.09423	44.28308	294.32136	22.25029	0.1972381	0.27926616	2.3180556	20	1 29.8	17.7
64589 2001 XN_{7}	14.8	X	158.28603	340.74417	154.75459	11.24187	0.1215980	0.19029229	2.9935642	20	7 29.3	19.7
64590 2001 XR_{7}	14.6	X	168.70409	231.28700	318.02496	15.97663	0.0469737	0.20272935	2.8698440	20	10 9.4	19.1
64591 2001 XW_{7}	14.4	X	142.84520	89.87479	309.11969	12.40035	0.2205319	0.23167299	2.6255429	20	3 17.5	18.9
64592 2001 XG_{8}	14.2	X	98.34416	69.46680	355.93070	12.55348	0.1562176	0.22464916	2.6799880	20	3 3.9	17.7
64593 2001 XN_{8}	15.0	X	298.35428	241.12196	290.33738	8.48881	0.1818116	0.21697128	2.7428447	20	—	—
64594 2001 XO_{8}	15.8	X	132.47233	316.94789	355.04075	6.13056	0.1984824	0.27128737	2.3632863	20	—	—
64595 2001 XO_{14}	14.7	X	184.09701	337.99244	50.58348	11.79365	0.0920339	0.18090270	3.0962738	20	4 17.7	19.5
64596 2001 XC_{16}	16.2	X	306.57711	48.28771	342.17093	1.95648	0.1625128	0.30699038	2.1763039	20	10 1.3	17.5
64597 2001 XF_{17}	15.0	X	240.96238	9.77503	32.52451	8.35479	0.0205713	0.24293716	2.5437441	20	7 15.8	18.5
64598 2001 XN_{17}	14.3	X	278.04298	172.04629	63.14051	13.68456	0.1149569	0.22201843	2.7011168	20	1 12.7	18.4
64599 2001 XD_{19}	14.9	X	234.15822	243.15145	41.46871	7.40993	0.1164140	0.27732802	2.3288430	20	1 21.3	18.5
64600 2001 XM_{20}	15.4	X	182.74549	305.07187	3.01612	6.22279	0.1266686	0.27356328	2.3501605	20	—	—
64601 2001 XW_{20}	15.2	X	224.24930	330.75108	26.25339	6.70256	0.3093152	0.23772411	2.5807973	20	4 4.6	19.8
64602 2001 XE_{21}	15.0	X	47.00529	353.85305	356.11245	4.53020	0.2106527	0.26166430	2.4208789	20	—	—
64603 2001 XC_{22}	15.8	X	304.51194	336.85812	39.29931	6.94066	0.1517424	0.30244151	2.1980713	20	9 6.5	17.6
64604 2001 XM_{22}	15.0	X	115.75017	316.19448	65.72549	10.08629	0.0381747	0.21954558	2.7213616	20	1 13.4	18.7
64605 2001 XD_{23}	15.5	X	43.11786	40.40495	55.32908	9.44274	0.1444010	0.22037186	2.7145548	20	1 15.3	18.5
64606 2001 XF_{23}	15.5	X	26.26170	22.87539	30.51305	5.21788	0.0987520	0.26598551	2.3945876	20	—	—
64607 2001 XG_{23}	15.0	X	126.44027	143.29424	51.97839	9.72521	0.0858127	0.19246528	2.9709895	20	9 13.8	19.6
64608 2001 XK_{23}	14.9	X	68.77313	287.05715	31.90557	7.02583	0.1724119	0.25946400	2.4345459	20	12 29.0	18.6
64609 2001 XQ_{24}	14.9	X	60.62412	72.72196	74.54636	9.77970	0.0779485	0.22839346	2.6506168	20	4 18.7	18.3
64610 2001 XD_{25}	14.8	X	51.86368	311.26757	75.83607	9.16602	0.1065253	0.26464753	2.4026517	20	—	—
64611 2001 XA_{26}	15.1	X	30.66664	72.07826	68.11155	10.49417	0.0921844	0.22204500	2.7009013	20	2 24.9	18.4
64612 2001 XH_{26}	15.0	X	145.57803	18.50950	51.67797	5.26897	0.1290724	0.28377771	2.2934214	20	4 25.6	18.2
64613 2001 XP_{26}	14.3	X	92.98337	320.02756	79.22886	9.97352	0.3187010	0.22128002	2.7071226	20	2 19.3	18.0
64614 2001 XW_{26}	15.3	X	168.38188	345.31768	55.82440	4.57386	0.1407997	0.28283625	2.2985079	20	4 12.6	18.6
64615 2001 XW_{27}	14.8	X	66.42301	299.45258	83.19888	8.57342	0.1658952	0.26395270	2.4068664	20	—	—
64616 2001 XO_{28}	15.4	X	55.75924	234.42189	220.69292	6.41062	0.0706332	0.27658352	2.3330203	20	1 15.7	18.0
64617 2001 XP_{28}	15.6	X	215.19189	221.62675	127.59294	7.25712	0.2045773	0.28818533	2.2699771	20	3 22.1	19.3
64618 2001 XQ_{28}	15.6	X	165.22634	266.29708	132.40570	6.61708	0.1803584	0.28675397	2.2775247	20	4 9.7	19.2
64619 2001 XR_{28}	15.4	X	241.86286	237.06010	188.41089	3.55183	0.1369136	0.24675416	2.5174434	20	7 29.8	19.0
64620 2001 XJ_{29}	15.0	X	204.75108	192.28088	190.73752	4.42409	0.2465073	0.23561790	2.5961545	20	4 23.5	19.4
64621 2001 XE_{30}	14.2	X	154.82115	272.46816	120.27689	13.77723	0.2092330	0.22947110	2.6423118	20	3 31.5	18.8
64622 2001 XO_{31}	15.2	X	154.15313	165.51330	215.57752	1.56671	0.2212006	0.22831726	2.6512065	20	3 11.4	19.7
64623 2001 XU_{35}	14.7	X	222.40637	119.12673	292.94796	11.98543	0.1580752	0.24457329	2.5323868	20	6 19.0	18.7
64624 2001 XZ_{36}	14.8	X	259.04226	266.64944	17.82014	11.75719	0.1840219	0.23119058	2.6291939	20	2 18.2	19.1
64625 2001 XM_{41}	15.3	X	255.16197	235.83120	51.37811	15.05131	0.0577662	0.22731722	2.6589765	20	3 4.3	19.4
64626 2001 XQ_{42}	15.7	X	244.38877	305.48938	339.19402	7.16699	0.0998156	0.28109419	2.3079947	20	1 31.9	19.1
64627 2001 XD_{43}	14.8	X	257.85008	358.35016	25.76312	12.57663	0.0669610	0.19073631	2.9889166	20	7 3.2	19.2
64628 2001 XJ_{44}	14.8	X	14.48101	150.41179	44.55083	11.00468	0.0819449	0.17479528	3.1679835	20	4 14.2	18.8
64629 2001 XS_{45}	15.0	X	122.75265	9.88935	33.05344	11.46237	0.0538677	0.22400173	2.6851495	20	2 23.9	18.9
64630 2001 XT_{45}	15.1	X	94.65710	10.85967	21.05666	9.77867	0.1504083	0.21981360	2.7191491	20	1 16.3	18.7
64631 2001 XD_{46}	14.8	X	43.83832	209.03237	29.51451	9.44648	0.0818934	0.18533658	3.0466924	20	7 25.9	19.0
64632 2001 XT_{46}	14.1	X	189.34811	352.34265	81.53873	19.22383	0.1658597	0.18395979	3.0618749	20	6 13.2	19.1
64633 2001 XC_{48}	14.7	X	308.27903	163.41910	69.06605	13.44886	0.1584637	0.22153023	2.7050837	20	2 11.8	18.6
64634 2001 XU_{49}	16.4	X	104.65476	33.75591	206.30136	1.02407	0.0466348	0.30784488	2.1722748	20	10 26.1	19.1
64635 2001 XH_{50}	15.3	X	164.78170	113.39861	80.62277	3.17604	0.0077937	0.20334674	2.8640323	20	10 22.1	19.2
64636 2001 XR_{50}	15.1	X	294.33028	249.19164	170.30561	6.24999	0.1598861	0.25350742	2.4725340	20	10 9.6	17.4
64637 2001 XM_{51}	14.5	X	19.11385	162.87547	75.16062	12.36364	0.0949659	0.18780834	3.0199016	20	6 15.2	18.2
64638 2001 XT_{51}	15.4	X	171.67091	211.87246	182.76537	6.05983	0.1036738	0.28556312	2.2838521	20	4 4.7	18.5
64639 2001 XZ_{51}	15.1	X	45.54919	330.84309	97.53571	3.85260	0.0499845	0.21991295	2.7183300	20	—	—
64640 2001 XB_{52}	15.7	X	290.19134	277.21844	234.50691	4.02563	0.0729852	0.26713800	2.3876955	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
64641 2001 XC_{52}	15.7	X	327.75952	256.71236	185.93031	1.76371	0.1682358	0.26333798	2.4106106	20	—	—
64642 2001 XK_{52}	14.7	X	103.14186	36.41505	78.26875	2.73185	0.1436485	0.18002952	3.1062773	20	5 10.6	19.3
64643 2001 XW_{52}	15.1	X	248.92041	104.85029	73.12743	7.68098	0.0509317	0.26511378	2.3998339	20	—	—
64644 2001 XE_{53}	14.8	X	318.00014	236.95560	80.10476	11.52067	0.0308799	0.18985875	2.9981197	20	6 30.1	18.8
64645 2001 XM_{53}	15.9	X	87.11098	127.53874	98.17498	5.73882	0.0828109	0.30136700	2.2032930	20	9 19.2	18.7
64646 2001 XN_{53}	15.0	X	355.35494	24.48487	82.57322	13.27676	0.1372277	0.21643229	2.7473966	20	—	—
64647 2001 XQ_{54}	15.1	X	302.15465	295.92054	249.86931	2.33269	0.1118889	0.21944401	2.7222013	20	—	—
64648 2001 XD_{55}	15.8	X	289.22622	82.35375	89.81153	3.45757	0.1044287	0.26854145	2.3793692	20	—	—
64649 2001 XS_{55}	14.9	X	270.57513	130.76027	91.77746	8.01125	0.0492244	0.22125841	2.7072988	20	—	—
64650 2001 XT_{55}	15.5	X	257.09445	193.19975	169.12001	2.37330	0.0802572	0.24185668	2.5513145	20	6 1.7	18.8
64651 2001 XS_{56}	14.5	X	63.32325	279.74357	112.46800	16.31909	0.0818337	0.21570490	2.7535695	20	—	—
64652 2001 XF_{57}	15.4	X	173.76761	214.25917	81.17050	3.43141	0.1711074	0.27309946	2.3528207	20	—	—
64653 2001 XM_{57}	14.5	X	51.00121	180.27558	205.49431	8.92051	0.1647536	0.21431907	2.7654268	20	—	—
64654 2001 XH_{58}	14.8	X	86.61267	328.91593	147.45533	1.62907	0.1410618	0.17663439	3.1459553	20	4 22.9	19.1
64655 2001 XG_{59}	15.0	X	104.37067	153.37764	230.36026	2.60371	0.1958465	0.27604433	2.3360573	20	1 12.4	17.5
64656 2001 XL_{59}	15.8	X	152.84231	257.57217	101.58172	3.40056	0.0969339	0.27839807	2.3228717	20	1 27.7	18.9
64657 2001 XP_{59}	15.0	X	213.81824	261.28400	130.63678	3.94185	0.1508390	0.23930754	2.5694005	20	5 16.4	19.0
64658 2001 XR_{59}	15.4	X	227.06427	218.40860	89.88657	9.78981	0.0146878	0.28042740	2.3116518	20	2 18.1	18.4
64659 2001 XW_{59}	15.5	X	93.97352	227.44780	106.55813	3.59743	0.1845049	0.26714297	2.3876659	20	—	—
64660 2001 XH_{60}	15.0	X	60.34987	63.87075	108.44143	2.88653	0.1078879	0.23313449	2.6145585	20	5 23.6	18.0
64661 2001 XJ_{60}	14.8	X	12.86960	267.42184	170.87367	2.19417	0.1368366	0.21424853	2.7660338	20	—	—
64662 2001 XQ_{60}	15.6	X	326.14198	329.95080	92.87839	2.34608	0.1769967	0.25940691	2.4349031	20	12 22.4	17.6
64663 2001 XU_{60}	15.7	X	204.87827	62.48181	154.64284	1.43361	0.1145417	0.26342647	2.4100706	20	—	—
64664 2001 XL_{61}	15.0	X	64.90705	87.65574	70.31555	2.83758	0.1629119	0.17779465	3.1322537	20	5 19.9	19.2
64665 2001 XD_{62}	15.1	X	182.38988	191.49837	123.89191	4.57190	0.1678571	0.27624304	2.3349369	20	1 9.2	18.7
64666 2001 XU_{62}	15.2	X	160.86221	192.63262	217.17476	2.06385	0.1454387	0.23264796	2.6182024	20	4 17.2	19.3
64667 2001 XM_{63}	15.3	X	148.74343	152.29549	313.45152	0.34619	0.1596025	0.18256790	3.0774176	20	6 15.7	20.3
64668 2001 XR_{63}	15.2	X	226.95352	232.68938	121.12225	4.38800	0.1438861	0.28799366	2.2709841	20	4 9.8	18.6
64669 2001 XV_{63}	14.7	X	58.26591	215.49549	124.25203	3.09356	0.2085372	0.26150200	2.4218805	20	—	—
64670 2001 XJ_{64}	15.6	X	151.70341	267.45785	120.75517	4.12651	0.1832182	0.28199621	2.3030703	20	3 13.5	19.0
64671 2001 XX_{64}	15.4	X	316.15030	37.60716	130.99396	3.78683	0.0284087	0.21756029	2.7378919	20	—	—
64672 2001 XS_{65}	15.8	X	133.78925	262.67158	119.50702	5.38801	0.0886046	0.27697034	2.3308476	20	2 2.9	18.6
64673 2001 XD_{66}	15.4	X	224.74603	233.84715	130.26384	1.89539	0.2221431	0.23649159	2.5897564	20	4 17.5	19.7
64674 2001 XH_{66}	14.6	X	269.94445	237.20423	100.04711	4.72171	0.1658040	0.29115141	2.2545340	20	5 2.6	17.5
64675 2001 XL_{67}	15.5	X	236.60578	151.08909	205.73575	2.62876	0.1936621	0.29122658	2.2541460	20	4 17.7	18.9
64676 2001 XE_{68}	14.3	X	49.74048	305.66039	69.66611	11.70790	0.2809571	0.26203231	2.4186117	20	—	—
64677 2001 XG_{68}	14.1	X	255.62938	271.87304	112.28554	26.29908	0.1932078	0.23760263	2.5816769	20	6 17.4	18.1
64678 2001 XQ_{68}	14.4	X	111.06627	207.98770	268.88152	12.49484	0.1307387	0.24015081	2.5633821	20	5 18.2	18.2
64679 2001 XU_{68}	15.5	X	84.06060	22.36017	234.41559	5.13367	0.0936226	0.25326956	2.4740818	20	10 17.2	19.0
64680 2001 XJ_{70}	15.1	X	56.73318	96.46748	72.38045	14.15782	0.1166015	0.23635403	2.5907612	20	5 15.9	18.2
64681 2001 XF_{71}	15.4	X	171.48891	2.73238	139.83962	2.58924	0.0430565	0.19680756	2.9271268	20	8 23.1	19.6
64682 2001 XM_{71}	14.7	X	71.82211	271.73408	101.35072	10.73230	0.1926120	0.21848547	2.7301573	20	—	—
64683 2001 XA_{72}	14.1	X	135.09566	296.37325	109.66513	14.93433	0.1635459	0.17707101	3.1407816	20	3 30.3	19.3
64684 2001 XB_{72}	15.1	X	78.61720	295.53285	173.97447	7.96584	0.1252283	0.22913490	2.6448957	20	3 28.4	18.3
64685 2001 XP_{72}	14.9	X	352.46934	288.69449	143.71733	6.54067	0.1057319	0.26554020	2.3972640	20	—	—
64686 2001 XS_{72}	15.6	X	0.34647	195.26442	176.54496	6.41859	0.1482156	0.25990190	2.4318106	20	12 9.2	18.3
64687 2001 XC_{74}	15.7	X	205.00715	313.47920	219.73289	4.75603	0.0678942	0.25810336	2.4430946	20	11 17.7	18.8
64688 2001 XC_{77}	14.5	X	161.16940	331.55089	134.87710	7.87052	0.0719252	0.18833999	3.0142159	20	6 25.8	19.1
64689 2001 XD_{79}	14.4	X	143.78502	254.17963	87.89078	12.46154	0.1360341	0.22365039	2.6879608	20	1 8.5	18.4
64690 2001 XM_{79}	16.1	X	158.22599	51.64157	200.96278	4.38345	0.0475994	0.26433068	2.4045714	20	—	—
64691 2001 XM_{80}	15.3	X	311.99393	304.06024	191.00684	7.89516	0.0158692	0.21493624	2.7601305	20	—	—
64692 2001 XN_{81}	14.5	X	8.67999	90.15359	129.29002	11.06280	0.0513319	0.18133398	3.0913624	20	5 8.3	18.8
64693 2001 XV_{81}	15.3	X	63.69065	175.47975	194.74298	5.53027	0.0730942	0.21464520	2.7626250	20	—	—
64694 2001 XL_{82}	14.4	X	76.17259	63.80199	87.29208	13.29204	0.0958391	0.18084074	3.0969810	20	5 19.0	18.7
64695 2001 XQ_{82}	15.3	X	245.01752	245.02258	114.30851	4.79165	0.1181337	0.24040989	2.5615402	20	5 10.3	19.1
64696 2001 XQ_{83}	16.1	X	235.47758	311.52399	245.58044	1.77108	0.1311372	0.26516010	2.3995544	20	—	—
64697 2001 XD_{84}	15.3	X	0.77475	23.06202	106.51957	6.97785	0.0444029	0.27348546	2.3506063	20	—	—
64698 2001 XY_{84}	15.7	X	348.29712	245.10362	118.84330	2.37217	0.1684379	0.30821075	2.1705553	20	11 25.0	17.4
64699 2001 XY_{85}	14.8	X	215.98677	216.42235	143.84984	3.19279	0.1838798	0.28704935	2.2759620	20	4 4.9	18.3
64700 2001 XA_{86}	14.1	X	63.35690	306.14597	240.21995	4.22797	0.1069298	0.17940910	3.1134345	20	6 15.1	18.2
64701 2001 XT_{86}	15.0	X	242.38249	248.40772	113.50279	6.45975	0.1988717	0.29048648	2.2579731	20	5 2.4	18.4
64702 2001 XF_{87}	15.2	X	29.79497	59.20688	37.78437	5.39050	0.1297002	0.21934136	2.7230505	20	—	—
64703 2001 XH_{87}	14.1	X	177.27833	31.19407	58.97563	11.29977	0.0425628	0.18463918	3.0543595	20	6 22.2	18.6
64704 2001 XJ_{88}	14.7	X	342.66075	118.46028	103.80693	12.46254	0.1511604	0.22561776	2.6723122	20	3 23.9	17.9
64705 2001 XB_{90}	15.8	X	222.38522	44.70693	36.39765	1.16135	0.1096667	0.19475347	2.9476726	20	7 28.8	20.3
64706 2001 XH_{90}	15.6	X	61.88284	269.93519	268.03119	1.82437	0.1058065	0.23802152	2.5786470	20	6 1.9	18.6
64707 2001 XA_{91}	15.1	X	289.75000	342.80288	315.88176	3.12651	0.1474147	0.24004248	2.5641533	20	4 7.0	18.5
64708 2001 XP_{94}	14.5	X	168.32332	202.18813	273.70572	9.07302	0.0319049	0.19096773	2.9865015	20	7 14.5	18.8
64709 2001 XP_{95}	15.3	X	79.58140	153.27729	259.55056	1.63633	0.0764830	0.22253325	2.6969492	20	1 8.4	18.7
64710 2001 XN_{96}	15.9	X	330.84845	345.59713	74.08711	2.32506	0.1832464	0.26082282	2.4260830	20	12 28.9	17.8
64711 2001 XM_{98}	14.4	X	63.97570	88.76044	69.34157	11.07796	0.0702941	0.17974967	3.1095006	20	5 7.2	18.6
64712 2001 XE_{99}	15.4	X	189.78578	324.29339	75.47756	3.52039	0.1647557	0.28859569	2.2678248	20	5 1.6	18.8
64713 2001 XK_{99}	15.1	X	250.12436	15.93496	303.70927	4.41291	0.2037802	0.28705736	2.2759196	20	3 11.1	18.8
64714 2001 XP_{99}	15.3	X	100.86395	102.17016	337.60569	2.68774	0.1267087	0.22704877	2.6610719	20	3 18.5	18.9
64715 2001 XY_{99}	14.7	X	12.57208	37.73660	63.19094	5.89990	0.0952568	0.21588162	2.7520666	20	—	—
64716 2001 XA_{100}	14.1	X	128.64388	40.80315	86.46231	10.77750	0.0462364	0.18257034	3.0773902	20	6 13.1	18.5
64717 2001 XH_{100}	14.4	X	242.95389	332.82532	95.60572	10.84943	0.0867234	0.19155242	2.9804210	20	8 9.7	18.7
64718 2001 XJ_{100}	15.8	X	22.45256	315.78083	86.78124	3.13102	0.2126845	0.26470135	2.4023260	20	—	—
64719 2001 XA_{101}	15.3	X	291.81105	340.42447	345.70641	2.79661	0.1591592	0.29406493	2.2396177	20	5 14.9	17.7
64720 2001 XJ_{101}	15.6	X	73.28356	60.05184	358.64362	3.46993	0.0867823	0.22005561	2.7171550	20	1 9.4	19.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
64721 2001 XP_{101}	15.4	X	234.49357	80.60414	292.81915	2.23790	0.1700988	0.29280157	2.2460553	20	5 8.7	18.8
64722 2001 XJ_{105}	14.6	X	8.14721	268.19932	317.93961	0.06165	0.1425726	0.17688496	3.1429836	20	5 13.5	18.1
64723 2001 XS_{105}	14.7	X	75.86719	144.37545	351.81154	4.79723	0.1053460	0.17937161	3.1138683	20	4 26.4	19.0
64724 2001 XW_{105}	15.3	X	216.62781	266.07311	294.67796	6.40377	0.0541487	0.26677251	2.3898758	20	—	—
64725 2001 XL_{111}	15.2	X	83.35655	320.97802	108.82564	8.91173	0.2047203	0.27906461	2.3191716	20	2 17.1	17.5
64726 2001 XX_{112}	15.3	X	290.03358	189.56229	104.62473	10.24829	0.0710777	0.23486787	2.6016786	20	4 20.5	18.9
64727 2001 XW_{113}	15.5	X	319.02711	211.58819	123.08601	4.56327	0.1759498	0.29739737	2.2228558	20	7 20.1	16.7
64728 2001 XC_{115}	15.2	X	284.55751	134.95581	67.07167	8.10579	0.0635168	0.21680904	2.7442128	20	—	—
64729 2001 XZ_{115}	15.4	X	167.86523	209.76030	88.52012	13.71188	0.0284369	0.26710307	2.3879036	20	—	—
64730 2001 XL_{116}	15.1	X	212.35228	303.79898	49.38253	6.56549	0.1976226	0.28491677	2.2873048	20	3 25.0	18.8
64731 2001 XC_{118}	14.2	X	15.34392	109.98070	88.15377	10.41308	0.0236046	0.17440650	3.1726898	20	4 20.6	18.7
64732 2001 XJ_{121}	16.0	X	81.95559	292.16264	194.49058	1.36645	0.0230704	0.23513425	2.5997133	20	4 8.5	19.4
64733 2001 XD_{129}	15.6	X	181.60336	54.96960	216.49253	4.64936	0.2180728	0.27153794	2.3618322	20	—	—
64734 2001 XY_{130}	15.7	X	156.37767	171.44273	131.34919	3.40497	0.1041969	0.27230841	2.3573751	20	—	—
64735 2001 XV_{134}	15.6	X	271.50941	167.57916	74.30929	6.27273	0.1561736	0.27752119	2.3277622	20	—	—
64736 2001 XL_{137}	16.0	X	301.98656	116.10677	97.84635	4.61021	0.1504357	0.27641872	2.3339475	20	—	—
64737 2001 XQ_{139}	15.5	X	349.19085	321.70597	98.65435	3.36452	0.0662467	0.20952369	2.8074625	20	12 30.3	18.9
64738 2001 XV_{142}	16.0	X	246.97007	165.24252	93.58462	5.12748	0.1269769	0.27704129	2.3304496	20	—	—
64739 2001 XN_{144}	13.9	X	87.84862	327.68525	141.63980	3.49207	0.1763926	0.12288312	4.0068945	20	4 23.9	19.5
64740 2001 XP_{144}	14.7	X	88.48252	314.04391	233.66286	6.27825	0.2043623	0.18545702	3.0453733	20	7 30.3	19.3
64741 2001 XP_{146}	15.8	X	193.60024	179.57016	99.26596	5.48798	0.1422473	0.27215298	2.3582725	20	—	—
64742 2001 XF_{147}	16.5	X	219.24691	56.82926	216.53967	1.73789	0.1125524	0.27468781	2.3437419	20	—	—
64743 2001 XW_{147}	15.6	X	174.31741	0.80354	202.74272	2.58637	0.1305233	0.25533156	2.4607437	20	11 15.4	19.4
64744 2001 XM_{148}	16.0	X	344.12160	249.94905	117.92139	3.58573	0.1462677	0.30929754	2.1654678	20	11 20.5	17.7
64745 2001 XV_{148}	15.5	X	300.03166	288.22081	219.61502	4.37947	0.0991104	0.21289544	2.7777414	20	—	—
64746 2001 XR_{151}	15.8	X	266.09604	133.32571	88.09413	6.74087	0.0892726	0.27217594	2.3581399	20	—	—
64747 2001 XE_{152}	14.7	X	118.63832	347.90896	116.30622	3.11026	0.1123085	0.17983452	3.1085224	20	5 11.6	19.2
64748 2001 XE_{153}	15.1	X	74.30634	46.50834	130.47566	3.31767	0.1925289	0.18061842	3.0995218	20	6 30.5	19.3
64749 2001 XJ_{153}	14.5	X	345.13225	93.75353	99.21217	2.27760	0.1110830	0.17158697	3.2073511	20	2 24.1	18.4
64750 2001 XL_{156}	16.1	X	75.08970	187.66404	162.44597	1.02593	0.1871941	0.26677923	2.3898357	20	—	—
64751 2001 XR_{156}	15.7	X	336.11810	150.36365	241.28576	1.59978	0.2180252	0.25792235	2.4442375	20	11 30.1	17.4
64752 2001 XN_{157}	15.6	X	325.60468	185.32530	107.30878	6.06938	0.1193994	0.29317463	2.2441496	20	5 31.7	17.5
64753 2001 XV_{157}	15.1	X	135.75767	304.21978	172.71828	2.98229	0.1195765	0.18302920	3.0722447	20	6 14.5	19.8
64754 2001 XP_{158}	14.8	X	335.20320	268.83324	124.42356	3.07008	0.0631464	0.20245017	2.8724818	20	11 4.6	18.4
64755 2001 XD_{159}	14.6	X	84.00696	24.60120	99.45456	8.57808	0.0852570	0.17652769	3.1472228	20	4 24.4	19.0
64756 2001 XP_{160}	15.6	X	339.19758	97.40750	101.50327	4.49221	0.0969354	0.22653500	2.6650938	20	2 16.5	18.8
64757 2001 XG_{162}	15.9	X	62.53598	190.92008	151.66383	2.23434	0.2011114	0.26467275	2.4024991	20	—	—
64758 2001 XL_{163}	15.6	X	7.47526	221.47518	120.71133	4.29498	0.1967039	0.25644790	2.4535973	20	11 16.7	18.2
64759 2001 XU_{167}	14.5	X	303.42174	128.23063	113.95391	6.34284	0.0843917	0.17361438	3.1823327	20	3 2.8	18.9
64760 2001 XN_{168}	15.8	X	253.00954	181.12861	159.14382	2.81408	0.1200101	0.29047860	2.2580139	20	4 21.2	18.7
64761 2001 XZ_{171}	15.2	X	290.41426	232.63773	190.11049	1.59194	0.0461128	0.19953485	2.9003932	20	10 8.6	18.8
64762 2001 XD_{174}	14.2	X	117.08763	237.36548	110.35996	18.21881	0.1261169	0.16325146	3.3156194	20	—	—
64763 2001 XV_{174}	14.4	X	345.54511	257.12497	307.64757	0.30831	0.1165455	0.17135426	3.2102544	20	3 9.1	18.4
64764 2001 XU_{175}	14.9	X	310.67033	176.44689	123.67757	7.84820	0.0540485	0.18295131	3.0731166	20	5 27.8	19.1
64765 2001 XM_{176}	15.5	X	117.88520	227.42044	105.33043	5.88900	0.0932983	0.26711066	2.3878584	20	—	—
64766 2001 XZ_{176}	15.4	X	307.88609	351.55095	127.30623	3.62111	0.0346514	0.20850507	2.8165987	20	—	—
64767 2001 XP_{177}	15.9	X	258.04662	159.61919	115.21524	7.41557	0.1229090	0.27760290	2.3273054	20	1 31.8	19.3
64768 2001 XK_{178}	15.3	X	118.51122	202.04136	125.97862	3.30564	0.2381986	0.26801069	2.3825095	20	—	—
64769 2001 XO_{178}	14.9	X	1.66322	156.67734	121.38146	9.82687	0.0448649	0.18620499	3.0372124	20	7 9.9	19.0
64770 2001 XQ_{179}	16.2	X	199.69603	173.58397	155.47806	0.88690	0.2294124	0.28012870	2.3132948	20	2 11.5	19.9
64771 2001 XM_{180}	15.0	X	148.79308	184.31450	139.35736	5.99214	0.2445340	0.27144568	2.3623673	20	—	—
64772 2001 XY_{180}	15.6	X	148.99902	306.16816	129.79563	3.20967	0.0104922	0.23192446	2.6236447	20	4 29.6	19.2
64773 2001 XS_{182}	14.4	X	294.80131	34.73781	280.98451	9.09822	0.1127539	0.18274214	3.0754611	20	5 14.2	18.6
64774 2001 XU_{182}	13.9	X	241.55125	160.92844	116.54411	9.55069	0.0880614	0.16743374	3.2601736	20	2 3.4	18.8
64775 2001 XO_{184}	16.0	X	12.54773	257.01656	107.15514	3.50053	0.1999292	0.25737558	2.4476979	20	12 24.4	18.8
64776 2001 XP_{188}	15.6	X	153.61254	198.10111	138.12675	5.44486	0.2013456	0.27351687	2.3504263	20	1 10.6	19.1
64777 2001 XD_{189}	14.9	X	254.63957	98.02745	118.79479	8.59407	0.1613246	0.21293155	2.7774273	20	—	—
64778 2001 XL_{189}	16.1	X	80.40468	151.35415	245.27629	1.69746	0.0867048	0.21695891	2.7429489	20	—	—
64779 2001 XD_{190}	15.3	X	75.69921	340.90516	144.74823	4.04527	0.0431916	0.22747021	2.6577841	20	4 3.6	18.6
64780 2001 XZ_{192}	15.2	X	125.82303	224.56149	137.35837	2.78154	0.2169640	0.27341141	2.3510307	20	1 15.5	18.2
64781 2001 XG_{193}	15.9	X	343.67632	216.66210	186.09365	2.10139	0.1610038	0.25737250	2.4477175	20	12 24.6	18.3
64782 2001 XU_{193}	15.2	X	150.22348	224.94592	132.05363	5.14306	0.2599042	0.27693064	2.3310703	20	2 7.6	18.9
64783 2001 XL_{196}	15.7	X	337.99792	215.16227	125.73731	4.29086	0.1722439	0.29987636	2.2105884	20	9 23.0	17.0
64784 2001 XS_{197}	14.6	X	157.78276	275.04028	122.50474	12.30080	0.1812541	0.22839464	2.6506076	20	4 6.9	19.1
64785 2001 XW_{197}	14.3	X	342.12948	185.76286	122.29768	28.79567	0.0970932	0.23903570	2.5713481	20	7 25.1	17.0
64786 2001 XM_{199}	15.1	X	284.06457	167.15565	119.31207	15.76165	0.1537204	0.22750701	2.6574975	20	3 22.9	19.1
64787 2001 XH_{200}	15.8	X	356.42021	342.87483	230.74271	0.99355	0.0729944	0.23414837	2.6070056	20	4 3.1	18.7
64788 2001 XL_{201}	15.2	X	195.54510	252.31054	117.43976	6.85012	0.2105188	0.28397083	2.2923815	20	3 31.9	19.1
64789 2001 XL_{202}	15.6	X	170.26197	58.63583	131.97777	4.60356	0.1335114	0.30995583	2.1624007	20	11 5.0	18.7
64790 2001 XQ_{202}	15.1	X	113.51238	305.72603	142.23683	5.77265	0.1204702	0.17997268	3.1069314	20	4 18.1	19.7
64791 2001 XH_{206}	15.2	X	151.79912	88.94334	207.62874	5.57538	0.1202817	0.26996774	2.3709814	20	—	—
64792 2001 XL_{206}	15.0	X	152.88249	197.80474	231.26034	8.66743	0.1123942	0.23526023	2.5987852	20	5 1.2	18.7
64793 2001 XR_{206}	15.9	X	40.30366	14.48068	132.07948	5.56574	0.0816848	0.28183105	2.3039700	20	3 7.6	18.1
64794 2001 XY_{206}	15.9	X	70.95057	311.81181	219.62770	5.63244	0.0636823	0.29003365	2.2603228	20	5 31.0	18.3
64795 2001 XC_{207}	13.6	X	108.72140	318.20068	93.65691	18.62526	0.1356854	0.17341280	3.1847984	20	3 7.9	18.5
64796 2001 XM_{207}	14.6	X	29.35793	286.29645	110.32127	10.01352	0.1702538	0.21342903	2.7731097	20	—	—
64797 2001 XS_{207}	15.4	X	18.73271	336.72915	165.22206	4.13624	0.1702772	0.22331441	2.6906562	20	1 29.9	18.1
64798 2001 XA_{208}	15.7	X	48.50943	50.47255	158.41580	4.98895	0.0337874	0.29273456	2.2463981	20	6 16.7	18.2
64799 2001 XW_{209}	15.3	X	311.21247	163.15588	123.97323	6.63828	0.1776600	0.29111212	2.2547368	20	4 18.8	17.7
64800 2001 XA_{210}	15.5	X	76.72628	194.14812	147.99607	6.58598	0.1445385	0.26568655	2.3963836	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
64801 2001 XH_{210}	15.9	X	296.57710	25.60435	153.41466	5.73472	0.0957055	0.27133273	2.3630229	20	—	—
64802 2001 XK_{210}	15.4	X	357.17447	55.59480	125.66905	7.20240	0.0382657	0.22651549	2.6652469	20	2 25.6	18.7
64803 2001 XV_{211}	15.9	X	304.70253	101.48037	115.53394	7.19502	0.0550216	0.27936892	2.3174871	20	1 19.4	18.8
64804 2001 XA_{212}	14.9	X	118.17981	311.45112	193.11679	5.79805	0.0764981	0.18571156	3.0425899	20	6 25.7	19.4
64805 2001 XP_{212}	15.7	X	190.43995	209.81826	167.30954	4.13360	0.1819072	0.23410385	2.6073360	20	4 5.7	20.0
64806 2001 XR_{212}	15.6	X	311.16681	152.51299	149.01363	5.49407	0.1444041	0.29276475	2.2462436	20	5 15.4	17.8
64807 2001 XD_{213}	15.0	X	5.43455	106.47322	126.52625	13.76210	0.1246382	0.23209380	2.6223683	20	5 21.4	18.1
64808 2001 XH_{213}	15.8	X	299.17827	146.07064	201.98979	5.63689	0.1749786	0.29711560	2.2242610	20	6 29.1	18.0
64809 2001 XY_{213}	14.7	X	225.25229	239.14939	114.36305	15.69868	0.1275677	0.23361961	2.6109378	20	4 17.0	19.0
64810 2001 XH_{216}	15.6	X	23.56400	241.66819	292.69131	0.53138	0.0242032	0.23036544	2.6354685	20	3 22.5	18.7
64811 2001 XK_{223}	15.7	X	289.85313	11.64619	145.67522	7.08574	0.0552417	0.26947737	2.3738568	20	—	—
64812 2001 XO_{225}	16.3	X	193.11802	187.96727	50.06567	1.99911	0.1510769	0.26617997	2.3934212	20	—	—
64813 2001 XQ_{225}	15.0	X	42.52460	65.38643	59.58019	2.20808	0.1346931	0.17246598	3.1964439	20	3 1.3	18.9
64814 2001 XM_{227}	15.8	X	209.39801	279.90418	55.98929	2.52951	0.0406725	0.23093854	2.6311066	20	3 6.1	19.4
64815 2001 XS_{229}	16.0	X	325.39951	53.32594	355.14127	1.41154	0.0678100	0.20511077	2.8475875	20	11 8.7	19.4
64816 2001 XQ_{235}	16.3	X	57.00117	3.64256	357.64083	2.22014	0.1114506	0.26559432	2.3969384	20	—	—
64817 2001 XD_{236}	15.2	X	180.95845	249.47846	44.46903	5.45955	0.1746995	0.27386514	2.3484332	20	—	—
64818 2001 XN_{236}	15.9	X	329.42907	121.41959	325.01861	2.71198	0.0628942	0.20990365	2.8040735	20	—	—
64819 2001 XA_{238}	14.5	X	168.18309	0.04199	67.94369	12.75308	0.0524767	0.18277935	3.0750437	20	5 16.7	19.0
64820 2001 XR_{238}	15.1	X	49.51437	203.83815	321.08379	3.56790	0.0486360	0.23103122	2.6304028	20	4 16.3	18.4
64821 2001 XJ_{239}	15.6	X	257.76830	354.06192	329.76582	1.92848	0.1266019	0.28865488	2.2675147	20	4 1.8	18.5
64822 2001 XM_{240}	14.9	X	92.42547	160.96254	15.88522	0.76438	0.1077468	0.18292615	3.0733983	20	7 10.7	19.1
64823 2001 XO_{240}	14.5	X	139.91320	359.99996	87.17318	0.90555	0.2353325	0.12606944	3.9390924	20	5 21.2	20.7
64824 2001 XB_{241}	14.8	X	64.24873	334.99088	91.09581	10.24278	0.0220006	0.21856040	2.7295333	20	—	—
64825 2001 XJ_{243}	15.9	X	218.46820	160.82475	106.39866	7.35685	0.1362518	0.26889651	2.3772742	20	—	—
64826 2001 XF_{244}	14.8	X	7.54988	144.40175	58.11417	6.50870	0.1048114	0.18099170	3.0952587	20	4 12.5	18.5
64827 2001 XH_{244}	14.8	X	176.10871	344.39272	85.37474	13.90054	0.1438979	0.24142206	2.5543755	20	5 28.9	18.9
64828 2001 XN_{244}	15.8	X	238.65910	189.08718	2.55735	2.06170	0.1430017	0.26722882	2.3871544	20	—	—
64829 2001 XS_{245}	16.2	X	261.94561	134.53904	55.48388	3.16779	0.1607334	0.26752124	2.3854146	20	—	—
64830 2001 XL_{246}	14.9	X	23.76584	269.56273	184.27431	8.85509	0.1796007	0.21938474	2.7226915	20	—	—
64831 2001 XT_{246}	15.2	X	259.69309	260.28263	274.37236	10.09474	0.0675913	0.21235560	2.7824470	20	—	—
64832 2001 XJ_{251}	14.9	X	40.04154	102.27495	92.29369	6.37594	0.1460368	0.23285561	2.6166457	20	5 27.9	17.7
64833 2001 XM_{251}	15.2	X	81.01504	322.26259	154.96188	1.09374	0.1039948	0.17541380	3.1605321	20	4 11.3	19.3
64834 2001 XS_{251}	15.2	X	241.81032	178.28036	88.09491	15.10984	0.0841237	0.22295369	2.6935576	20	1 14.2	19.2
64835 2001 XH_{254}	14.7	X	133.00935	0.50756	109.18677	15.88899	0.0471337	0.23811175	2.5779956	20	5 30.4	18.5
64836 2001 XL_{257}	15.1	X	134.95280	330.90430	118.87967	22.73884	0.0222225	0.23553114	2.5967920	20	5 9.8	19.2
64837 2001 YE_{2}	15.4	X	335.54437	205.96112	40.63173	8.28225	0.1073514	0.23478871	2.6022634	20	4 14.0	18.2
64838 2001 YJ_{2}	13.6	X	15.92077	236.07702	324.01042	18.02811	0.1354164	0.17483093	3.1675529	20	4 11.5	17.7
64839 2001 YJ_{3}	14.5	X	235.36914	351.56211	11.68139	14.09314	0.1927716	0.23765153	2.5813227	20	4 23.3	18.7
64840 2001 YW_{5}	15.3	X	175.16490	254.17706	166.69714	9.00277	0.1614390	0.23808130	2.5782154	20	5 17.5	19.6
64841 2001 YC_{9}	14.8	X	311.05209	139.38082	16.56253	6.95702	0.1239214	0.21579587	2.7527956	20	—	—
64842 2001 YR_{9}	15.3	X	135.81305	270.61053	39.01609	6.22535	0.2522135	0.26797977	2.3826928	20	—	—
64843 2001 YB_{11}	15.2	X	195.88168	348.14318	181.40386	1.81445	0.0528405	0.19715423	2.9236944	20	10 23.6	19.4
64844 2001 YB_{12}	14.9	X	48.00703	89.21173	62.04412	1.72711	0.1162615	0.17837832	3.1254172	20	4 9.6	18.9
64845 2001 YM_{14}	16.0	X	280.31066	94.56177	56.86799	0.96268	0.0142588	0.21334694	2.7738210	20	—	—
64846 2001 YA_{18}	15.2	X	339.81175	268.73543	141.76394	2.81624	0.0707299	0.20504894	2.8481598	20	12 3.7	18.8
64847 2001 YJ_{18}	15.4	X	127.19113	220.51695	97.61772	6.26953	0.0841586	0.21240724	2.7819960	20	—	—
64848 2001 YP_{18}	14.5	X	96.75625	348.03173	104.79232	9.17013	0.0388899	0.17288093	3.1913271	20	3 27.0	19.1
64849 2001 YV_{18}	15.4	X	228.05986	122.18076	56.00800	6.04308	0.0521191	0.20399676	2.8579450	20	12 11.6	19.3
64850 2001 YM_{19}	15.4	X	224.69420	269.41165	104.76786	5.60389	0.3036937	0.23871452	2.5736540	20	4 27.1	20.0
64851 2001 YK_{21}	15.4	X	344.39266	342.02761	304.57935	1.40720	0.1231870	0.29581112	2.2307953	20	6 29.2	17.2
64852 2001 YH_{22}	16.1	X	184.58941	321.55784	41.78399	0.89852	0.0702976	0.23061062	2.6336002	20	3 11.9	20.0
64853 2001 YO_{22}	15.8	X	24.91795	266.05085	3.93658	1.24856	0.0998856	0.29880342	2.2158771	20	8 22.5	17.8
64854 2001 YV_{30}	16.2	X	339.40790	7.67020	266.80939	3.42005	0.1017824	0.29285744	2.2457697	20	5 29.9	18.3
64855 2001 YA_{35}	14.5	X	210.52522	297.15034	74.46572	11.92196	0.1424241	0.18379891	3.0636614	20	4 23.3	19.5
64856 2001 YD_{42}	14.9	X	70.94934	41.73340	288.46341	7.24407	0.2219816	0.26456806	2.4031328	20	—	—
64857 2001 YE_{42}	15.0	X	142.46300	47.76144	347.11501	3.11460	0.1905431	0.22994280	2.6386969	20	3 15.5	19.1
64858 2001 YD_{46}	15.5	X	220.47663	191.50885	70.25810	6.83885	0.1092773	0.27243504	2.3566445	20	—	—
64859 2001 YM_{46}	15.5	X	233.05136	252.41969	59.23601	3.89474	0.1106854	0.28333310	2.2958200	20	2 23.1	18.7
64860 2001 YX_{48}	14.8	X	96.21730	226.62886	79.53398	15.63044	0.1255073	0.26200216	2.4187973	20	—	—
64861 2001 YL_{49}	15.3	X	315.78346	19.29458	39.57752	4.50349	0.0562643	0.25701535	2.4499845	20	11 21.3	18.0
64862 2001 YO_{50}	14.8	X	84.59274	54.15252	62.73104	1.78332	0.1410109	0.17588430	3.1548932	20	4 20.9	19.2
64863 2001 YQ_{50}	15.8	X	75.31872	32.43022	321.41751	2.02812	0.2108809	0.26802052	2.3824512	20	—	—
64864 2001 YN_{52}	15.7	X	343.27054	340.59215	73.94951	4.14398	0.1640982	0.26124852	2.4234468	20	—	—
64865 2001 YD_{53}	16.2	X	358.64692	27.00484	339.41391	1.68057	0.2253538	0.25845917	2.4408519	20	12 9.7	18.5
64866 2001 YS_{57}	15.4	X	243.10272	357.66594	283.66162	2.64640	0.0382603	0.22567892	2.6718294	20	2 4.9	19.1
64867 2001 YO_{58}	15.5	X	167.49239	296.78455	46.10904	4.13699	0.1576317	0.27895489	2.3197796	20	1 29.6	19.0
64868 2001 YP_{59}	15.4	X	309.95568	13.86905	278.84411	4.55289	0.1167805	0.29086091	2.2560349	20	4 30.5	17.9
64869 2001 YG_{60}	15.3	X	307.91548	3.53312	297.68785	6.64695	0.1324677	0.29193167	2.2505150	20	5 6.5	17.8
64870 2001 YU_{60}	15.5	X	192.34829	85.86087	316.59929	2.86840	0.0705628	0.23591598	2.5939672	20	5 8.1	19.3
64871 2001 YW_{60}	15.5	X	115.68006	211.37037	82.86983	6.33273	0.0665868	0.26140175	2.4224997	20	—	—
64872 2001 YX_{60}	16.1	X	289.05407	234.30257	63.22512	1.43772	0.0469806	0.28760626	2.2730230	20	4 19.5	18.8
64873 2001 YS_{61}	14.8	X	85.15858	170.85851	358.75549	0.73303	0.1440388	0.18131805	3.0915435	20	6 27.6	19.2
64874 2001 YQ_{63}	15.2	X	61.42589	330.29417	68.04596	3.65365	0.0651817	0.21538339	2.7563090	20	—	—
64875 2001 YS_{63}	15.9	X	291.82419	217.58330	84.86677	5.36930	0.1205944	0.28898676	2.2657783	20	4 20.4	18.6
64876 2001 YG_{64}	15.2	X	113.96535	181.52511	82.30096	15.48367	0.1791360	0.25499055	2.4629371	20	12 3.5	19.2
64877 2001 YH_{64}	14.8	X	292.65200	329.46310	34.19639	3.96103	0.1898905	0.24679626	2.5171572	20	7 7.1	17.7
64878 2001 YB_{67}	14.8	X	214.14848	31.69059	81.21715	14.39493	0.0874156	0.19410357	2.9542485	20	9 6.7	19.4
64879 2001 YN_{69}	16.3	X	342.01224	271.18232	68.97383	5.50895	0.0917789	0.24818666	2.5077472	20	9 15.8	19.0
64880 2001 YK_{70}	15.6	X	265.40902	335.51776	357.14683	3.31642	0.1468397	0.28986472	2.2612009	20	4 20.3	18.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
64881 2001 YU_{70}	15.6	X	164.06219	69.74419	61.63591	2.93935	0.1651341	0.18740628	3.0242194	20	8 1.0	20.5
64882 2001 YQ_{72}	14.6	X	149.53813	142.14299	100.62649	9.47396	0.1590511	0.20146186	2.8818685	20	11 30.8	19.3
64883 2001 YD_{73}	15.0	X	89.24041	173.99616	36.69259	1.58301	0.1416252	0.18756964	3.0224632	20	8 24.3	19.4
64884 2001 YG_{73}	14.6	X	68.88312	168.07033	327.28244	2.45757	0.1107810	0.17399045	3.1777454	20	4 17.5	18.9
64885 2001 YH_{73}	15.6	X	202.54710	272.84390	76.67961	3.79266	0.1258564	0.28260323	2.2997712	20	3 11.4	19.1
64886 2001 YO_{73}	14.9	X	91.11948	116.03298	14.28706	0.66406	0.1090651	0.17670112	3.1451632	20	5 10.7	19.4
64887 2001 YZ_{73}	15.7	X	277.96193	242.29080	83.91474	5.55531	0.1380520	0.28996801	2.2606638	20	5 1.7	18.4
64888 2001 YQ_{75}	15.1	X	58.74310	248.30870	87.60762	3.58314	0.1957053	0.26132618	2.4229667	20	—	—
64889 2001 YA_{76}	16.0	X	11.97842	356.00045	9.69996	2.38456	0.2142452	0.25932553	2.4354125	20	12 28.7	18.7
64890 2001 YE_{76}	15.0	X	115.27604	138.55466	59.86466	6.07150	0.0620515	0.19188320	2.9769948	20	9 1.3	19.4
64891 2001 YL_{76}	15.4	X	346.14227	180.86009	46.87784	2.32690	0.0787083	0.22994454	2.6386836	20	4 7.3	18.5
64892 2001 YW_{76}	15.6	X	263.19734	248.36610	70.19499	4.32904	0.1931449	0.28795890	2.2711669	20	3 27.6	18.9
64893 2001 YP_{77}	15.4	X	243.77700	234.99596	96.48666	4.40562	0.0937084	0.28538671	2.2847931	20	4 2.8	18.4
64894 2001 YN_{79}	15.5	X	209.74845	237.29643	81.90458	7.06781	0.1611013	0.27851403	2.3222270	20	2 9.6	19.2
64895 2001 YD_{80}	14.2	X	313.64084	191.03341	28.25210	1.13903	0.0944240	0.16825387	3.2495708	20	2 14.7	18.5
64896 2001 YZ_{80}	16.0	X	174.21460	49.73642	305.02122	2.53766	0.1806377	0.27982541	2.3149660	20	2 19.3	19.7
64897 2001 YX_{81}	15.5	X	46.76815	64.22004	343.08828	1.64332	0.2114952	0.26860708	2.3789816	20	—	—
64898 2001 YG_{83}	14.9	X	121.01860	35.70975	93.08249	6.55243	0.1040070	0.18041475	3.1018541	20	6 12.2	19.4
64899 2001 YJ_{83}	14.6	X	237.40856	18.15891	103.20793	18.17705	0.0341759	0.19768650	2.9184441	20	10 24.5	19.0
64900 2001 YG_{84}	14.8	X	36.25943	134.06492	56.42980	1.57698	0.0224147	0.17739495	3.1369568	20	5 3.7	19.0
64901 2001 YJ_{84}	16.1	X	47.71188	308.32279	87.91321	3.73914	0.1904767	0.26690848	2.3890641	20	—	—
64902 2001 YG_{85}	15.1	X	122.51819	19.54205	30.53580	2.11599	0.1936398	0.27987377	2.3146993	20	3 11.6	18.3
64903 2001 YL_{86}	16.2	X	250.67720	246.23831	90.18972	2.34356	0.2273796	0.28800607	2.2709189	20	4 3.2	19.6
64904 2001 YO_{88}	15.7	X	250.14261	255.91659	67.64320	3.27664	0.2485607	0.28611909	2.2808926	20	3 16.5	19.3
64905 2001 YD_{89}	15.4	X	258.63526	339.11685	83.73579	4.08487	0.0240343	0.19217970	2.9739320	20	8 31.2	19.5
64906 2001 YL_{89}	15.2	X	140.50838	226.80293	97.28002	10.86647	0.2417123	0.26935483	2.3745767	20	—	—
64907 2001 YT_{89}	14.6	X	49.60430	186.22840	95.66824	11.44420	0.0801061	0.19293318	2.9661840	20	10 2.5	18.8
64908 2001 YM_{90}	15.3	X	34.74400	266.57611	92.56248	0.92982	0.2056799	0.25958159	2.4338107	20	—	—
64909 2001 YT_{90}	15.2	X	265.04963	285.95039	84.50420	5.15502	0.1659227	0.24293245	2.5437770	20	6 10.3	18.4
64910 2001 YS_{91}	15.7	X	120.41042	247.43693	152.09679	1.08812	0.1893382	0.27752308	2.3277517	20	2 23.1	18.6
64911 2001 YT_{91}	14.9	X	146.68246	56.56992	118.53793	10.80467	0.0131923	0.19092593	2.9869373	20	9 5.8	19.2
64912 2001 YY_{91}	15.8	X	184.36672	261.55209	104.68993	4.59689	0.1801683	0.28125580	2.3071105	20	3 16.5	19.4
64913 2001 YL_{95}	15.8	X	170.57762	245.61033	85.85354	4.77766	0.1464964	0.27525023	2.3405482	20	1 16.9	19.2
64914 2001 YD_{96}	15.0	X	49.25150	137.31981	57.66206	7.33580	0.0561966	0.17956060	3.1116830	20	5 30.1	19.2
64915 2001 YQ_{96}	15.5	X	206.71287	19.01988	46.28416	5.35332	0.1616463	0.18532642	3.0468038	20	6 18.4	20.5
64916 2001 YQ_{97}	15.9	X	4.54533	344.14079	192.27921	2.78587	0.1124909	0.22715397	2.6602503	20	2 22.9	18.7
64917 2001 YU_{98}	16.0	X	288.07376	322.31285	207.74470	2.77641	0.0568613	0.26848356	2.3797112	20	—	—
64918 2001 YB_{99}	15.1	X	37.81402	356.59699	151.33687	1.66053	0.0856476	0.17391470	3.1786682	20	3 18.2	19.1
64919 2001 YZ_{99}	15.9	X	153.31774	192.77052	92.82800	5.91008	0.0568084	0.26608293	2.3940031	20	—	—
64920 2001 YS_{101}	15.2	X	289.93512	150.52145	159.34608	1.57416	0.0985524	0.29013642	2.2597890	20	4 30.2	17.9
64921 2001 YY_{103}	15.6	X	319.32244	164.36751	238.62013	1.65932	0.1723117	0.20154386	2.8810867	20	10 18.0	18.4
64922 2001 YO_{104}	14.4	X	27.59986	176.05004	119.52313	10.72536	0.0646817	0.19342007	2.9612042	20	9 15.6	18.4
64923 2001 YQ_{104}	15.4	X	147.76981	333.06535	105.61065	9.57286	0.0590661	0.23280053	2.6170583	20	5 8.2	19.2
64924 2001 YV_{105}	15.3	X	303.93595	358.79944	250.33765	5.19204	0.1179033	0.22696018	2.6617643	20	2 25.2	18.9
64925 2001 YB_{107}	15.2	X	214.13828	348.56429	129.31467	13.20914	0.0407949	0.19291542	2.9663662	20	9 14.3	19.5
64926 2001 YF_{107}	15.0	X	168.90620	355.76154	180.81266	2.28392	0.0843237	0.19398714	2.9554305	20	9 30.4	19.4
64927 2001 YG_{108}	15.7	X	212.52928	144.06634	232.57510	3.84590	0.2208152	0.28773289	2.2723561	20	4 19.6	19.5
64928 2001 YN_{108}	15.6	X	100.47732	243.81225	238.95382	7.88038	0.0856115	0.23355140	2.6114461	20	5 7.4	19.1
64929 2001 YO_{108}	15.7	X	189.88223	298.52336	9.54131	6.89789	0.1287503	0.27732175	2.3288781	20	1 6.0	19.2
64930 2001 YA_{109}	15.5	X	118.42078	31.65166	285.03265	4.19073	0.2403778	0.26889768	2.3772673	20	—	—
64931 2001 YO_{109}	15.6	X	138.09978	268.18900	56.32375	2.88411	0.2397481	0.27121387	2.3637132	20	—	—
64932 2001 YS_{112}	13.8	X	157.42297	265.28218	137.50179	22.18226	0.1804274	0.17489827	3.1667398	20	4 17.2	19.4
64933 2001 YZ_{112}	16.0	X	304.91766	358.65404	256.37972	3.06756	0.1272104	0.28415323	2.2914004	20	2 26.8	18.8
64934 2001 YX_{113}	14.1	X	136.44228	336.54418	150.29084	18.85174	0.0730194	0.17902779	3.1178538	20	6 25.0	19.1
64935 2001 YJ_{114}	15.6	X	153.15000	327.72177	178.22227	5.18680	0.0958648	0.24550272	2.5259912	20	8 9.5	19.3
64936 2001 YS_{114}	14.5	X	334.05827	201.13755	63.78038	10.08213	0.0754252	0.17934963	3.1141227	20	5 12.4	18.4
64937 2001 YE_{115}	14.7	X	81.68813	352.03429	16.59983	6.08506	0.1933037	0.21562899	2.7542157	20	—	—
64938 2001 YH_{116}	14.5	X	87.78429	355.96293	197.42179	0.71265	0.1378377	0.18328935	3.0693370	20	7 30.0	18.8
64939 2001 YP_{116}	15.3	X	139.53711	96.54583	131.53770	5.27066	0.0326761	0.25575818	2.4580065	20	11 13.8	18.7
64940 2001 YS_{116}	15.6	X	345.98758	29.34649	285.33891	4.13200	0.1983487	0.30002478	2.2098593	20	8 23.8	16.8
64941 2001 YJ_{118}	13.9	X	13.68991	286.10819	311.37805	9.11227	0.1477075	0.17854181	3.1235090	20	6 8.3	17.7
64942 2001 YO_{120}	15.5	X	60.88241	17.46482	116.38638	4.48979	0.0249494	0.22639132	2.6662213	20	3 23.4	18.9
64943 2001 YZ_{120}	14.6	X	185.45090	194.49421	102.06730	18.55861	0.1855136	0.21469994	2.7621553	20	—	—
64944 2001 YG_{121}	15.8	X	303.85768	211.68378	24.47162	6.49944	0.1358569	0.28107651	2.3080915	20	2 3.1	18.7
64945 2001 YY_{122}	15.8	X	257.17831	238.33465	30.51342	6.49844	0.1126904	0.28041221	2.3117353	20	1 25.1	19.1
64946 2001 YF_{123}	15.0	X	311.83652	126.47621	34.86536	8.15451	0.1899626	0.21576502	2.7530580	20	—	—
64947 2001 YQ_{123}	15.3	X	297.50430	296.31824	351.34840	4.53664	0.1614986	0.28991686	2.2609297	20	3 27.9	18.0
64948 2001 YH_{124}	15.1	X	38.65926	265.00452	34.83852	6.19865	0.0859300	0.30601693	2.1809167	20	10 27.3	17.6
64949 2001 YO_{124}	14.9	X	203.21955	273.83971	49.12370	7.62507	0.1529503	0.28180722	2.3040999	20	2 8.8	18.6
64950 2001 YT_{124}	15.7	X	194.91274	181.43222	39.31541	6.78508	0.0681005	0.26208878	2.4182643	20	—	—
64951 2001 YY_{124}	14.0	X	126.32826	64.29809	59.94999	13.87517	0.0511036	0.18409954	3.0603252	20	6 5.7	18.5
64952 2001 YU_{125}	15.0	X	13.11823	220.07049	60.61852	14.14382	0.1524734	0.24465006	2.5318570	20	8 24.7	18.0
64953 2001 YM_{127}	14.7	X	346.89017	303.05079	306.44420	8.39782	0.0393949	0.18093953	3.0958535	20	5 9.4	19.1
64954 2001 YZ_{127}	15.7	X	227.31012	306.92063	353.69115	4.60358	0.1663177	0.28210510	2.3024777	20	2 1.1	19.2
64955 2001 YO_{128}	15.7	X	175.50473	328.30779	37.75918	6.43285	0.2099361	0.28466069	2.2886764	20	3 9.9	19.4
64956 2001 YU_{128}	14.4	X	341.84436	324.52382	292.28646	17.04015	0.2500539	0.23423395	2.6063705	20	4 10.5	17.4
64957 2001 YE_{131}	14.5	X	341.40308	226.29336	49.72479	8.47916	0.0344609	0.18288410	3.0738694	20	6 7.5	18.7
64958 2001 YT_{131}	14.5	X	60.61554	284.96643	209.02000	15.61099	0.2020434	0.17527362	3.1622171	20	4 18.2	18.5
64959 2001 YW_{134}	15.7	X	137.16241	291.77008	178.94170	8.87393	0.3210037	0.18246248	3.0786028	20	6 20.2	21.3
64960 2001 YT_{136}	15.1	X	173.21536	145.35594	307.63902	9.43448	0.0678092	0.18771974	3.0208518	20	6 22.4	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
64961 2001 YU_{137}	14.4	X	90.84356	1.33182	74.96202	22.34187	0.1024516	0.17052499	3.2206537	20	3 16.8	19.4
64962 2001 YR_{139}	15.1	X	336.37517	82.40432	148.83361	13.18390	0.1315507	0.22660428	2.6645507	20	3 24.3	18.2
64963 2001 YP_{144}	15.8	X	338.55843	358.68112	38.34865	6.64342	0.1436239	0.25658077	2.4527501	20	12 3.4	18.2
64964 2001 YF_{149}	14.6	X	112.90510	207.47461	342.48956	8.80852	0.1096589	0.19022958	2.9942222	20	8 21.5	19.0
64965 2001 YD_{155}	15.6	X	88.06629	17.98640	32.96778	13.23475	0.0238667	0.22147876	2.7055028	20	1 13.6	19.5
64966 2001 YB_{157}	14.4	X	342.85596	219.63484	60.99747	10.67450	0.0436301	0.18229871	3.0804463	20	6 15.4	18.5
64967 2002 AV_{1}	14.4	X	58.96280	25.44245	111.01640	2.94425	0.1349648	0.17082027	3.2169411	20	4 11.0	18.5
64968 2002 AW_{2}	13.5	X	149.65452	308.99453	67.11183	23.79626	0.2127127	0.27691579	2.3311536	20	3 11.4	17.7
64969 2002 AA_{4}	15.1	X	153.95334	224.58511	191.56417	24.28149	0.2453111	0.28430479	2.2905860	20	4 24.3	19.0
64970 2002 AJ_{5}	15.0	X	72.21571	273.44380	106.05602	12.98545	0.2159783	0.26677239	2.3898765	20	—	—
64971 2002 AC_{6}	16.4	X	136.73024	166.29137	244.35219	1.54902	0.1014938	0.22633013	2.6667019	20	3 20.4	20.3
64972 2002 AT_{9}	15.0	X	325.58776	223.71941	124.10962	10.14069	0.0305165	0.19028822	2.9936069	20	8 22.2	19.0
64973 2002 AC_{10}	15.8	X	5.92582	229.13726	341.43606	4.69734	0.2539735	0.27599887	2.3363138	20	3 31.4	17.1
64974 Savaria	14.3	X	299.68102	180.19422	71.36875	2.09218	0.1192853	0.17093053	3.2155576	20	3 3.8	18.6
64975 Gianrix	15.0	X	111.43040	216.26902	35.96670	1.63147	0.2584091	0.19426973	2.9525638	20	11 11.6	20.1
64976 2002 AK_{19}	15.3	X	334.79775	81.18621	42.12536	9.22134	0.1092467	0.21336267	2.7736847	20	—	—
64977 2002 AL_{20}	14.4	X	63.24274	348.12914	163.83456	11.19741	0.1716039	0.17350024	3.1837282	20	5 13.9	18.7
64978 2002 AW_{20}	15.2	X	290.08828	308.98562	128.72948	8.48152	0.0837574	0.25759877	2.4462839	20	11 9.5	18.0
64979 2002 AZ_{22}	15.2	X	256.99735	145.62265	183.62962	6.24123	0.1495487	0.28716430	2.2753546	20	4 7.3	18.3
64980 2002 AP_{23}	14.1	X	330.27837	337.56827	273.91824	9.88569	0.1244238	0.17561838	3.1580772	20	4 8.4	18.3
64981 2002 AR_{24}	15.7	X	326.08623	151.33350	246.38088	5.47712	0.1259769	0.25320688	2.4744900	20	11 8.6	18.0
64982 2002 AV_{37}	15.4	X	199.21401	23.76021	201.50014	3.44483	0.0149528	0.26417745	2.4055011	20	—	—
64983 2002 AX_{40}	15.8	X	297.83816	194.70982	158.39732	3.55223	0.1634730	0.29807090	2.2195060	20	7 7.3	17.9
64984 2002 AV_{41}	14.8	X	3.69701	114.89013	135.06293	12.56660	0.2575576	0.22909585	2.6451963	20	6 14.1	16.9
64985 2002 AT_{48}	15.1	X	64.47586	117.62717	122.99444	11.17646	0.0704672	0.18784400	3.0195195	20	8 23.4	19.3
64986 2002 AX_{50}	14.6	X	325.21105	141.19395	142.36529	1.51404	0.1572256	0.17932382	3.1144215	20	5 13.7	18.2
64987 2002 AZ_{50}	15.0	X	201.94585	173.36691	124.07485	7.97973	0.0985585	0.21684624	2.7438990	20	1 11.3	19.3
64988 2002 AH_{52}	16.0	X	160.86416	212.13231	171.95714	0.39517	0.2221950	0.28142587	2.3061809	20	3 17.9	19.7
64989 2002 AG_{54}	16.6	X	206.10548	182.98370	145.54512	2.27911	0.1317928	0.27905901	2.3192026	20	2 15.5	20.0
64990 2002 AK_{54}	14.6	X	296.50290	188.67532	117.04839	6.59539	0.1588470	0.18151105	3.0893516	20	5 1.2	18.8
64991 2002 AO_{54}	16.1	X	29.91114	245.44088	214.27875	2.04083	0.0214397	0.21714073	2.7414175	20	—	—
64992 2002 AR_{54}	14.3	X	226.75919	194.37931	120.36351	8.09620	0.1442069	0.17253415	3.1956018	20	2 29.5	19.5
64993 2002 AM_{56}	16.1	X	122.60635	81.03271	249.10484	4.16687	0.1410233	0.26740663	2.3860961	20	—	—
64994 2002 AE_{57}	15.6	X	86.03652	250.27231	140.95555	2.82325	0.1994178	0.27040289	2.3684369	20	—	—
64995 2002 AV_{57}	15.5	X	177.14406	267.54548	150.79031	3.41186	0.0215372	0.23086870	2.6316372	20	5 13.1	19.0
64996 2002 AG_{60}	14.3	X	236.46551	302.43883	133.38967	10.70458	0.0384935	0.18666561	3.0322140	20	8 15.6	18.6
64997 2002 AP_{60}	15.2	X	263.19553	184.27847	131.71201	15.28815	0.0452330	0.22769724	2.6560171	20	4 19.9	19.1
64998 2002 AL_{63}	16.1	X	109.93624	277.39450	319.05582	5.40183	0.0904669	0.29774266	2.2211370	20	10 25.8	19.3
64999 2002 AS_{63}	15.9	X	131.16324	185.28358	284.74545	5.10815	0.3042372	0.23225093	2.6211854	20	6 14.7	20.5
65000 2002 AV_{63}	12.0	X	38.55077	174.42142	145.43536	20.28141	0.0138566	0.08449650	5.1433202	20	10 7.9	19.0
65001 Teodorescu	15.4	X	30.44631	273.70099	301.73301	3.46299	0.1973514	0.17853471	3.1235918	20	6 14.7	18.9
65002 2002 AT_{70}	15.8	X	310.83685	192.94517	67.99825	7.00971	0.1507263	0.28516617	2.2859710	20	3 16.6	18.5
65003 2002 AB_{71}	14.4	X	27.34616	164.23260	81.81044	12.44430	0.0665814	0.18697220	3.0288983	20	7 6.9	18.4
65004 2002 AM_{71}	15.8	X	66.28586	289.41003	75.05616	3.04786	0.2190280	0.26722708	2.3871648	20	—	—
65005 2002 AE_{77}	15.3	X	167.24789	60.94582	77.30076	5.39165	0.0698947	0.18933877	3.0036064	20	8 13.5	19.8
65006 2002 AN_{78}	15.7	X	278.42741	206.19493	67.65520	5.22198	0.0491489	0.22635816	2.6664818	20	3 11.1	19.4
65007 2002 AG_{81}	14.8	X	196.42326	245.66983	170.45420	6.19883	0.1155089	0.18548810	3.0450331	20	5 31.4	19.6
65008 2002 AL_{81}	15.2	X	226.34915	256.49083	177.09921	5.75689	0.0993572	0.24514863	2.5284230	20	7 26.4	18.8
65009 2002 AO_{81}	15.3	X	109.93083	287.87256	126.28474	12.50229	0.0641530	0.22535396	2.6743973	20	2 19.3	18.9
65010 2002 AR_{82}	15.8	X	52.36171	174.37314	136.61905	6.30162	0.1285443	0.30845845	2.1693932	20	12 7.7	18.6
65011 2002 AJ_{83}	14.9	X	329.57927	42.06715	120.05967	10.06667	0.0660026	0.21854449	2.7296658	20	—	—
65012 2002 AE_{86}	15.1	X	238.52433	138.04617	227.57346	5.47347	0.1436501	0.28975458	2.2617738	20	5 5.6	18.2
65013 2002 AO_{86}	14.5	X	49.74542	354.88646	161.89748	5.50932	0.1219512	0.17257779	3.1950632	20	4 21.7	18.5
65014 2002 AU_{88}	15.2	X	219.82970	357.71562	228.32641	6.12905	0.0465613	0.20960155	2.8067672	20	—	—
65015 2002 AX_{88}	14.6	X	327.05282	62.89851	185.04208	5.36105	0.0797506	0.17487723	3.1669938	20	4 9.6	18.8
65016 2002 AF_{89}	15.2	X	200.05331	301.21880	247.31456	5.01315	0.0174354	0.20080455	2.8881540	20	11 24.7	19.3
65017 2002 AD_{95}	14.9	X	338.85794	203.95090	103.30594	10.83435	0.0524668	0.18663594	3.0325353	20	7 15.7	18.8
65018 2002 AK_{95}	16.1	X	31.27957	216.82012	72.02936	2.45690	0.0885722	0.24510276	2.5287384	20	9 20.8	19.0
65019 2002 AC_{99}	14.8	X	55.84402	318.90758	322.87068	9.53611	0.0996950	0.19335711	2.9618470	20	10 2.6	19.0
65020 2002 AW_{99}	14.1	X	260.69583	207.61460	94.77150	6.65350	0.0627697	0.17347421	3.1840467	20	3 28.9	18.8
65021 2002 AY_{103}	15.0	X	98.89414	74.96209	136.45054	0.58883	0.0808039	0.18906840	3.0064691	20	8 28.4	19.4
65022 2002 AQ_{104}	14.9	X	50.04945	153.84107	61.30505	0.75010	0.1371617	0.18098635	3.0953196	20	7 8.6	18.9
65023 2002 AF_{106}	15.3	X	60.96733	155.82563	76.42451	2.07474	0.1201158	0.18511387	3.0491356	20	8 14.0	19.4
65024 2002 AP_{106}	15.0	X	268.69702	153.91948	116.08859	4.70674	0.1384180	0.22156895	2.7047686	20	2 11.4	18.9
65025 2002 AS_{106}	14.5	X	350.05821	140.69168	61.31991	0.72841	0.1266556	0.16902200	3.2397182	20	3 12.6	18.2
65026 2002 AD_{109}	15.1	X	70.48361	214.35189	65.83237	3.24128	0.0531037	0.19465945	2.9486216	20	10 17.9	19.3
65027 2002 AH_{109}	15.5	X	163.97029	263.61314	110.50868	6.60700	0.1526638	0.27905050	2.3192497	20	3 6.4	19.0
65028 2002 AM_{110}	14.9	X	83.53585	140.31926	111.04167	11.41371	0.0559123	0.19183441	2.9774996	20	10 2.2	19.3
65029 2002 AC_{111}	14.6	X	311.83866	186.04914	101.73531	6.32262	0.1230960	0.17747954	3.1359601	20	5 4.8	18.7
65030 2002 AR_{111}	14.5	X	193.65500	340.42996	126.26511	10.78497	0.0077698	0.18652517	3.0337358	20	8 4.7	18.7
65031 2002 AS_{111}	14.8	X	41.09695	127.63757	119.64856	13.14446	0.2650395	0.23410522	2.6073259	20	9 7.5	18.1
65032 2002 AR_{112}	15.7	X	176.28738	306.05578	102.08909	5.05279	0.0171639	0.22941407	2.6427496	20	4 29.3	19.3
65033 2002 AW_{112}	15.6	X	193.05309	285.75899	74.80534	4.20080	0.1919087	0.28122352	2.3072870	20	3 17.3	19.3
65034 2002 AM_{114}	15.7	X	185.01528	251.87614	89.09120	4.06140	0.2637369	0.27795033	2.3253656	20	2 17.1	19.7
65035 2002 AG_{116}	14.8	X	320.76043	248.80426	116.61875	11.58988	0.1018966	0.19197165	2.9760803	20	9 5.4	18.5
65036 2002 AB_{119}	14.1	X	29.13125	124.23619	91.14221	2.45690	0.0928727	0.17525251	3.1624710	20	5 31.9	17.9
65037 2002 AV_{119}	16.4	X	89.42330	222.69185	27.64184	0.77795	0.1648640	0.29749190	2.2223850	20	10 29.8	19.4
65038 2002 AT_{128}	15.3	X	159.39570	303.37028	77.09521	5.86565	0.1294653	0.27749475	2.3279101	20	3 8.8	18.7
65039 2002 AK_{129}	14.3	X	317.45187	107.57074	141.66399	2.75031	0.1218333	0.17158111	3.2074242	20	3 23.9	18.4
65040 2002 AC_{132}	15.1	X	109.21596	258.65794	55.10850	6.62955	0.1627213	0.26424650	2.4050820	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
65041 2002 AS_{133}	14.7	X	50.24020	311.72711	113.73605	10.29774	0.0824720	0.21756202	2.7378774	20	—	—
65042 2002 AF_{135}	15.1	X	158.12467	38.69060	143.18076	2.70354	0.0373619	0.19596554	2.9355055	20	9 26.8	19.4
65043 2002 AY_{137}	15.2	X	86.43600	48.83117	171.74903	2.87813	0.0880763	0.18969040	2.9998933	20	8 25.7	19.5
65044 2002 AH_{139}	14.6	X	116.11357	349.01312	101.70188	7.73493	0.1452423	0.17353948	3.1832484	20	4 28.4	19.5
65045 2002 AS_{140}	16.2	X	38.88631	20.71823	251.10275	2.42714	0.0860728	0.24398245	2.5364734	20	9 4.9	19.3
65046 2002 AF_{148}	15.4	X	359.78258	205.53425	83.87730	16.82877	0.1271809	0.23943859	2.5684628	20	8 3.5	18.3
65047 2002 AE_{149}	16.1	X	27.41152	241.61968	103.01274	4.54677	0.1859317	0.31009757	2.1617417	20	12 30.2	18.6
65048 2002 AW_{151}	16.4	X	129.61816	349.99623	134.19631	5.00880	0.0586201	0.28636146	2.2796054	20	6 13.5	19.3
65049 2002 AV_{153}	15.3	X	65.89951	268.52423	75.89805	3.12831	0.0746027	0.20193164	2.8773971	20	—	—
65050 2002 AZ_{153}	15.5	X	234.12829	192.46900	46.06168	2.77281	0.1575296	0.26179811	2.4200539	20	—	—
65051 2002 AV_{156}	15.1	X	122.08789	175.75775	155.62460	4.14330	0.0941401	0.20969145	2.8059649	20	—	—
65052 2002 AA_{157}	15.0	X	341.88466	73.65947	152.02207	9.56531	0.0771249	0.22494345	2.6776500	20	3 31.5	18.3
65053 2002 AP_{159}	14.2	X	53.83907	103.53443	142.90172	13.01915	0.1223603	0.18436542	3.0573823	20	8 22.8	18.2
65054 2002 AF_{169}	14.9	X	42.41345	219.96048	96.74519	13.22693	0.1462296	0.25433596	2.4671612	20	11 25.5	18.3
65055 2002 AX_{169}	16.0	X	201.30698	319.21767	126.40130	0.55335	0.1106378	0.18664514	3.0324357	20	7 11.3	20.5
65056 2002 AH_{170}	15.4	X	188.33136	181.46958	98.28535	5.01635	0.0659616	0.21285578	2.7780865	20	—	—
65057 2002 AQ_{171}	16.2	X	250.80713	290.89211	57.68409	2.18808	0.1435678	0.28800435	2.2709279	20	4 26.8	19.3
65058 2002 AP_{173}	14.8	X	17.00821	341.52032	312.99238	9.18300	0.0875646	0.18869101	3.0104765	20	8 25.4	18.7
65059 2002 AB_{176}	14.9	X	189.49289	153.42930	116.43823	5.24476	0.0648224	0.20943182	2.8082834	20	—	—
65060 2002 AD_{177}	14.9	X	5.37262	220.90649	89.37117	3.25024	0.0552004	0.18846300	3.0129041	20	8 29.6	18.7
65061 2002 AS_{179}	14.8	X	90.01364	157.36210	348.07959	5.28769	0.0712978	0.17473657	3.1686931	20	5 21.8	19.3
65062 2002 AD_{181}	15.0	X	68.71975	64.23789	12.48810	10.74980	0.0719586	0.22130700	2.7069026	20	1 27.4	18.6
65063 2002 AK_{181}	14.5	X	279.94082	310.96956	359.31956	14.42927	0.1500610	0.18055002	3.1003046	20	4 10.7	19.2
65064 2002 AN_{183}	15.0	X	124.56125	63.57437	1.49661	13.64896	0.0691824	0.23000239	2.6382411	20	3 21.2	18.7
65065 2002 AL_{184}	14.5	X	219.23201	4.53373	355.67616	11.14633	0.0932996	0.17719444	3.1393229	20	4 13.0	19.4
65066 2002 AU_{185}	15.4	X	185.23061	282.62061	59.82850	7.32949	0.1366457	0.27632464	2.3344772	20	2 16.3	19.0
65067 2002 AE_{186}	14.8	X	155.65988	0.83502	37.91269	7.34431	0.0637082	0.17385690	3.1793726	20	3 29.9	19.6
65068 2002 AK_{186}	15.5	X	232.81365	288.09887	52.43686	7.80771	0.1623737	0.28445287	2.2897909	20	3 29.7	19.0
65069 2002 AL_{186}	15.1	X	63.64854	331.83435	80.25958	10.50240	0.1366863	0.21599192	2.7511296	20	—	—
65070 2002 AD_{187}	15.0	X	27.85188	281.72741	61.84549	8.56976	0.2380956	0.25484944	2.4638462	20	12 22.5	18.2
65071 2002 AJ_{188}	14.0	X	350.74354	35.91889	157.89468	15.77487	0.0167491	0.16952134	3.2333531	20	3 11.5	18.5
65072 2002 AP_{188}	14.6	X	298.27088	340.53841	240.47970	15.31175	0.2378927	0.21618823	2.7494639	20	—	—
65073 2002 AD_{189}	14.5	X	20.32462	167.02570	151.35130	8.35433	0.2055976	0.19309121	2.9645655	20	10 22.9	18.1
65074 2002 AM_{189}	15.1	X	115.82374	192.60148	211.87859	12.64142	0.2580838	0.22380706	2.6867063	20	3 5.7	19.3
65075 2002 AU_{191}	15.7	X	126.23546	18.21758	271.47292	5.77680	0.0935094	0.26385019	2.4074897	20	—	—
65076 2002 AF_{199}	14.5	X	256.34209	223.98801	43.04396	2.07361	0.1212878	0.16927425	3.2364988	20	2 3.1	19.4
65077 2002 AB_{202}	14.2	X	337.60778	183.81898	72.66263	9.17163	0.0982928	0.17327317	3.1865092	20	5 6.1	18.2
65078 2002 BR_{3}	14.2	X	165.68466	48.47842	63.14356	17.94744	0.0730959	0.18468942	3.0538055	20	7 7.0	19.0
65079 2002 BV_{6}	14.8	X	221.62222	234.62256	26.66462	8.50319	0.1429159	0.21511987	2.7585596	20	—	—
65080 2002 BE_{8}	15.0	X	239.92822	53.65265	86.11409	3.15376	0.0596316	0.19796821	2.9156748	20	11 7.6	18.9
65081 2002 BS_{11}	14.2	X	25.98370	99.85366	135.17105	11.70089	0.0621774	0.17899565	3.1182271	20	6 20.2	18.4
65082 2002 BA_{13}	13.9	X	50.49918	190.09817	70.48352	11.80801	0.0865283	0.18656641	3.0332887	20	9 6.4	18.2
65083 2002 BL_{15}	15.3	X	123.69764	200.20453	169.89898	4.61893	0.2546066	0.27263971	2.3554649	20	1 28.1	18.5
65084 2002 BJ_{16}	15.4	X	57.97663	232.69115	251.23134	2.70824	0.0479721	0.22097102	2.7096456	20	3 5.7	18.8
65085 2002 BB_{20}	15.5	X	120.00489	299.77854	205.84044	0.48286	0.0959035	0.18053044	3.1005287	20	7 1.2	20.0
65086 2002 BY_{20}	14.3	X	80.66459	67.58908	49.76932	22.41462	0.0667445	0.22580731	2.6708165	20	4 11.2	18.1
65087 2002 BM_{22}	14.4	X	314.79547	139.05133	144.27898	15.60797	0.1207637	0.17609447	3.1523825	20	5 6.9	18.8
65088 2002 BU_{23}	15.1	X	214.91769	46.89112	49.68490	10.78372	0.0782231	0.19012303	2.9953407	20	8 16.3	19.7
65089 2002 BB_{26}	15.2	X	237.97976	322.51377	21.36466	27.23989	0.2559299	0.28605005	2.2812595	20	4 2.9	19.0
65090 2002 BT_{30}	15.2	X	324.58716	215.53326	59.34227	15.51228	0.0842741	0.23306133	2.6151056	20	5 9.4	18.4
65091 Saramagrin	15.3	X	26.14963	272.01403	165.03386	7.22385	0.0793334	0.27052646	2.3677157	20	—	—
65092 2002 CK_{1}	14.8	X	220.63696	222.54292	57.45204	13.38323	0.0756677	0.21435499	2.7651179	20	1 10.8	19.1
65093 2002 CG_{2}	15.2	X	199.63434	351.46611	6.50708	6.94510	0.1628326	0.28152220	2.3056548	20	3 18.1	18.8
65094 2002 CU_{2}	14.8	X	156.69434	251.30798	103.14437	10.83014	0.0586361	0.21836236	2.7311834	20	1 31.3	18.8
65095 2002 CN_{3}	13.8	X	324.89367	159.79330	128.81478	23.34891	0.0740600	0.17719895	3.1392696	20	6 4.2	18.3
65096 2002 CQ_{3}	15.7	X	149.81176	287.16295	81.57700	5.87823	0.2472307	0.27486281	2.3427470	20	2 23.1	19.4
65097 2002 CC_{4}	12.0	X	38.39328	219.90407	110.53464	24.91205	0.0662432	0.08468046	5.1358686	20	10 31.1	19.0
65098 2002 CG_{5}	15.3	X	164.40053	22.80533	348.78041	3.61319	0.2474312	0.27820377	2.3239532	20	3 7.1	19.1
65099 2002 CH_{13}	15.2	X	331.67378	128.47193	119.40242	6.19046	0.1653319	0.27648587	2.3335696	20	3 29.5	17.5
65100 Birtwhistle	14.0	X	17.23652	63.63957	153.82689	22.85209	0.0807092	0.17582009	3.1556613	20	5 21.0	18.5
65101 2002 CS_{15}	13.3	X	259.30981	230.69037	101.39653	23.44929	0.0760677	0.17509791	3.1643322	20	5 7.9	18.3
65102 2002 CY_{17}	14.5	X	125.13495	12.30305	343.96100	5.33739	0.2493498	0.27163413	2.3612746	20	1 13.4	17.6
65103 2002 CQ_{18}	14.9	X	254.43684	343.95122	81.11943	12.68675	0.1032355	0.18942362	3.0027093	20	8 19.3	19.3
65104 2002 CK_{20}	15.9	X	173.46198	7.13515	51.13685	4.07736	0.1460634	0.28462604	2.2888621	20	5 9.1	19.4
65105 2002 CR_{26}	15.7	X	104.12566	224.90110	72.04370	6.51213	0.1123193	0.25707151	2.4496277	20	12 31.9	19.3
65106 2002 CW_{26}	14.5	X	240.69418	282.39457	35.25113	4.53562	0.0392258	0.17300662	3.1897813	20	3 25.0	19.0
65107 2002 CW_{31}	15.1	X	168.91276	195.99595	96.73642	9.43754	0.0708602	0.20934486	2.8090610	20	—	—
65108 2002 CR_{33}	14.5	X	335.92608	231.85323	56.23852	7.60768	0.0086545	0.17970781	3.1099835	20	6 17.5	18.9
65109 2002 CV_{36}	12.0	X	275.29761	280.38028	148.49810	12.65836	0.0309148	0.08475633	5.1328034	20	9 13.8	18.8
65110 2002 CO_{37}	14.5	X	349.85182	139.88782	135.18085	5.98958	0.1340688	0.17772992	3.1330142	20	6 16.9	18.2
65111 2002 CG_{40}	12.0	X	148.51783	281.23198	280.44877	14.50214	0.0188634	0.08262345	5.2207613	20	9 16.0	19.2
65112 2002 CR_{44}	16.0	X	286.47132	231.78553	162.73503	0.63031	0.0635518	0.19224396	2.9732693	20	8 23.8	19.9
65113 2002 CD_{47}	14.9	X	310.54379	95.64543	161.84384	13.68419	0.1532139	0.22642950	2.6659216	20	3 14.5	18.1
65114 2002 CH_{49}	14.8	X	247.11073	105.92602	177.21864	12.67649	0.1152123	0.21892862	2.7264719	20	2 4.7	19.1
65115 2002 CK_{50}	15.4	X	340.89477	159.72213	142.73897	1.65852	0.1595672	0.23541247	2.5976646	20	7 11.4	17.6
65116 2002 CH_{51}	14.3	X	280.13341	161.26520	100.42872	2.30123	0.0444826	0.16683349	3.2679888	20	3 3.2	18.8
65117 2002 CW_{51}	15.7	X	229.28353	120.72979	130.34467	0.05496	0.1696222	0.26080389	2.4262004	20	—	—
65118 2002 CD_{52}	14.2	X	107.43050	11.42949	152.25824	15.37437	0.0178505	0.17813814	3.1282259	20	6 30.2	18.8
65119 2002 CF_{53}	14.1	X	315.83461	159.52274	151.20704	22.96728	0.0896417	0.17872392	3.1213869	20	6 15.4	18.6
65120 2002 CB_{54}	14.4	X	321.09473	210.94797	151.54105	8.53812	0.1868802	0.18961096	3.0007312	20	8 21.2	17.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
65121 2002 CT_{56}	13.6	X	357.80936	217.61601	175.42135	8.92309	0.2899436	0.19811770	2.9142079	20	—	—
65122 2002 CB_{59}	13.8	X	227.50733	250.94315	234.94666	23.90578	0.2774928	0.19568740	2.9382865	20	9 1.8	19.2
65123 2002 CN_{61}	14.7	X	174.18783	80.80093	95.73790	11.52588	0.0443986	0.19318144	2.9636423	20	10 13.2	19.2
65124 2002 CV_{61}	15.2	X	261.14801	0.11237	80.56730	11.30112	0.0783831	0.19303170	2.9651747	20	9 23.0	19.5
65125 2002 CQ_{62}	14.0	X	213.81135	233.36331	105.49657	17.99405	0.0577478	0.16949405	3.2337001	20	3 26.6	19.1
65126 2002 CS_{62}	14.6	X	323.93886	256.86494	63.08624	10.47303	0.1109786	0.18247898	3.0784173	20	7 5.3	18.5
65127 2002 CG_{63}	14.0	X	287.57937	310.72682	7.20271	12.43935	0.3603249	0.23043328	2.6349513	20	4 1.5	17.8
65128 2002 CN_{65}	14.5	X	2.69795	144.67893	54.15199	8.03838	0.0509274	0.16975310	3.2304094	20	4 3.1	18.8
65129 2002 CO_{73}	14.6	X	268.19517	213.02302	132.36386	6.45705	0.1658353	0.17987835	3.1080175	20	5 14.7	19.2
65130 2002 CD_{86}	14.9	X	205.97627	183.99952	131.00645	14.34914	0.1962023	0.21816654	2.7328174	20	2 5.4	19.5
65131 2002 CY_{88}	15.1	X	49.94680	122.80023	136.21420	2.72452	0.1323600	0.18415445	3.0597168	20	9 4.3	19.2
65132 2002 CF_{91}	15.8	X	200.67557	236.64254	63.80076	2.71138	0.1783444	0.26616617	2.3935039	20	1 9.5	19.7
65133 2002 CH_{94}	15.3	X	81.32869	222.79464	91.47527	3.30924	0.0406631	0.19765206	2.9187831	20	12 9.6	19.3
65134 2002 CH_{96}	12.8	X	190.18061	59.10265	105.92123	1.76132	0.0879463	0.08302489	5.2039187	20	9 25.5	20.1
65135 2002 CH_{99}	15.2	X	17.99197	7.63382	130.13358	5.66647	0.0701450	0.21576401	2.7530665	20	1 28.5	18.6
65136 2002 CF_{101}	15.1	X	87.83419	290.47525	52.39859	2.79041	0.0678355	0.20200246	2.8767245	20	—	—
65137 2002 CQ_{103}	16.0	X	126.39347	58.85830	128.82258	4.05457	0.1283195	0.23751948	2.5822794	20	9 7.5	20.0
65138 2002 CX_{103}	15.0	X	217.25674	340.02284	150.47932	2.36838	0.0578470	0.19015593	2.9949952	20	9 28.7	19.2
65139 2002 CE_{104}	15.9	X	251.70934	69.84795	149.27350	6.60862	0.0700856	0.26064163	2.4272073	20	—	—
65140 2002 CV_{104}	14.7	X	232.42429	33.16408	1.93528	10.50338	0.0795232	0.17772650	3.1330543	20	6 12.8	19.5
65141 2002 CL_{108}	13.4	X	332.80752	117.02634	165.95094	22.68274	0.0458351	0.17312100	3.1883761	20	6 7.5	18.2
65142 2002 CK_{111}	14.7	X	29.27130	187.17365	151.48235	9.50408	0.2951802	0.24429773	2.5342907	20	12 23.9	18.3
65143 2002 CY_{112}	15.0	X	311.65473	199.55262	68.57740	2.25462	0.1308620	0.17320145	3.1873887	20	4 7.1	19.2
65144 2002 CO_{113}	15.4	X	147.98217	331.85696	27.29105	7.68111	0.1392878	0.27351915	2.3504132	20	1 30.1	18.8
65145 2002 CG_{114}	13.7	X	89.18093	229.07466	136.07533	10.06185	0.0290920	0.15230237	3.4726814	20	—	—
65146 2002 CT_{114}	14.0	X	282.93067	215.07096	96.31205	10.61290	0.0740936	0.17495355	3.1660726	20	5 4.7	18.5
65147 2002 CN_{116}	14.4	X	79.60977	140.80340	86.14909	11.00056	0.0502563	0.18373376	3.0643856	20	8 24.2	18.8
65148 2002 CE_{117}	15.0	X	131.71399	227.53170	149.63333	9.97604	0.2072998	0.27490529	2.3425057	20	2 8.9	18.3
65149 2002 CH_{122}	15.5	X	113.45860	71.66840	141.36404	3.22252	0.0091734	0.19067518	2.9895554	20	9 9.7	19.5
65150 2002 CA_{126}	12.5	X	227.90767	280.76519	187.54196	7.45910	0.0717695	0.08264520	5.2198454	20	8 29.1	19.6
65151 2002 CR_{127}	15.1	X	353.68788	63.50985	198.87694	0.65927	0.1334319	0.17852118	3.1237496	20	6 6.1	18.7
65152 2002 CU_{135}	15.0	X	189.44546	93.86189	256.24517	6.86693	0.2203084	0.28113592	2.3077663	20	2 25.3	19.0
65153 2002 CK_{136}	14.3	X	35.14922	355.90481	213.73343	5.91397	0.0319228	0.17882542	3.1202056	20	5 27.9	18.5
65154 2002 CH_{138}	14.6	X	150.86912	336.01116	160.07386	9.50895	0.0344758	0.18380379	3.0636071	20	7 18.9	19.2
65155 2002 CP_{140}	14.3	X	1.48401	276.01962	292.08268	8.55122	0.0818883	0.17001117	3.2271395	20	4 4.4	18.6
65156 2002 CG_{143}	14.9	X	217.70683	134.68938	172.22497	4.81277	0.0895968	0.16744889	3.2599769	20	2 12.1	19.8
65157 2002 CB_{147}	14.7	X	64.65937	69.56868	185.18225	9.82320	0.0865413	0.18276993	3.0751494	20	9 9.4	18.9
65158 2002 CT_{149}	15.7	X	53.48505	329.73430	34.28812	2.16596	0.1022204	0.20367186	2.8609835	20	—	—
65159 Sprowls	14.3	X	284.46203	264.80502	113.31974	10.74115	0.0347031	0.18339308	3.0681794	20	8 3.6	18.5
65160 2002 CB_{157}	15.2	X	188.64882	276.89466	17.12060	3.02336	0.0810330	0.21278824	2.7786742	20	—	—
65161 2002 CX_{159}	14.0	X	253.74722	212.88462	98.66441	16.16449	0.1770394	0.17449127	3.1716621	20	3 24.6	19.3
65162 2002 CF_{161}	14.6	X	227.18125	172.94072	113.33265	10.98649	0.1539265	0.21633901	2.7481862	20	1 21.4	19.1
65163 2002 CJ_{161}	14.9	X	240.54294	200.52968	118.50679	14.16101	0.1679644	0.22491043	2.6779121	20	3 15.4	19.3
65164 2002 CF_{162}	14.9	X	239.60760	110.01224	119.54434	14.28719	0.0905978	0.20928245	2.8096195	20	—	—
65165 2002 CR_{163}	14.6	X	114.93138	252.16545	347.26193	9.92045	0.0445466	0.19299585	2.9655420	20	10 14.1	19.0
65166 2002 CJ_{165}	14.2	X	19.13917	193.56974	121.54732	12.54502	0.1315385	0.18965525	3.0002640	20	10 8.4	18.2
65167 2002 CJ_{166}	15.4	X	156.71977	257.38166	101.81902	7.05326	0.0674747	0.21726793	2.7403475	20	2 7.4	19.4
65168 2002 CL_{166}	16.4	X	28.65738	72.27031	11.25545	5.34826	0.1869519	0.26684356	2.3894516	20	—	—
65169 2002 CR_{167}	14.2	X	259.84506	191.46840	124.93639	10.22908	0.0830174	0.17116215	3.2126560	20	4 12.8	19.0
65170 2002 CE_{170}	14.2	X	141.93064	311.55305	134.46606	15.99333	0.0433903	0.17264544	3.1942284	20	5 13.0	19.2
65171 2002 CB_{173}	14.6	X	251.80910	275.12791	118.71226	10.85116	0.0382360	0.18147931	3.0897117	20	7 10.8	18.8
65172 2002 CQ_{174}	15.8	X	285.23499	24.12201	134.32934	7.40629	0.0720073	0.25727337	2.4483462	20	—	—
65173 2002 CP_{203}	15.3	X	193.93938	330.24124	352.65495	5.11792	0.1658178	0.21646415	2.7471269	20	2 5.6	19.8
65174 2002 CW_{207}	13.1	X	191.26978	95.73984	62.38481	3.46159	0.0541006	0.08345799	5.1858996	20	9 20.9	20.2
65175 2002 CC_{218}	15.6	X	237.08222	155.68323	134.26943	3.79265	0.1752717	0.21348351	2.7726379	20	2 2.5	20.0
65176 2002 CL_{219}	16.0	X	286.97964	164.11341	126.82616	3.95538	0.2434252	0.27392815	2.3480731	20	3 11.1	19.4
65177 2002 CW_{219}	14.5	X	325.67276	355.09397	135.25908	2.87185	0.0210923	0.20489795	2.8495589	20	—	—
65178 2002 CX_{221}	14.2	X	70.44899	275.33965	0.34620	10.11961	0.1133570	0.18520977	3.0480830	20	10 15.4	18.7
65179 2002 CN_{224}	12.9	X	289.04510	86.01033	334.39588	2.28662	0.0859205	0.08421563	5.1547496	20	9 11.3	19.5
65180 2002 CV_{224}	16.2	X	110.10963	72.77558	178.29697	6.38978	0.1137495	0.29666162	2.2265296	20	11 19.3	19.4
65181 2002 CB_{226}	15.0	X	83.91188	104.15069	144.69664	11.00925	0.0590180	0.19082434	2.9879973	20	9 27.1	19.3
65182 2002 CV_{232}	15.9	X	131.09190	266.50680	42.19490	2.78816	0.1757163	0.25787959	2.4445076	20	—	—
65183 2002 CU_{235}	14.6	X	13.72647	211.92397	115.57126	11.65285	0.0901034	0.18970738	2.9997143	20	10 11.3	18.6
65184 2002 CD_{239}	14.7	X	16.48953	90.88125	180.82067	9.64545	0.0957270	0.17879983	3.1205033	20	7 24.6	18.8
65185 2002 CF_{243}	15.8	X	239.51775	281.84393	333.35029	5.79868	0.1001337	0.26308349	2.4121649	20	—	—
65186 2002 CH_{244}	15.8	X	21.44365	303.73029	346.56434	5.24205	0.1165875	0.28884440	2.2665228	20	9 17.3	18.1
65187 2002 CJ_{246}	15.0	X	94.85610	280.19403	13.90100	2.12646	0.0820638	0.19580248	2.9371351	20	12 3.9	19.4
65188 2002 CA_{247}	15.3	X	151.97989	231.30955	113.09709	4.57110	0.1564257	0.21395793	2.7685378	20	1 22.9	19.4
65189 2002 CR_{247}	15.5	X	84.44047	209.82972	0.82017	11.48504	0.0643431	0.23342210	2.6124104	20	8 15.9	19.1
65190 2002 CV_{247}	13.9	X	135.70161	149.79943	173.13777	10.30228	0.3547827	0.19868208	2.9086865	20	1 2.6	19.0
65191 2002 CR_{257}	14.7	X	226.53259	178.55057	163.10871	0.35089	0.1820301	0.17504595	3.1649584	20	3 27.3	19.9
65192 2002 CO_{261}	14.8	X	39.87213	335.29611	14.04030	6.20657	0.1009579	0.19859601	2.9095269	20	12 10.5	18.8
65193 2002 CA_{263}	14.3	X	330.36461	194.17953	34.20751	16.14562	0.0292107	0.16872568	3.2435101	20	3 30.9	18.9
65194 2002 CV_{264}	12.2	X	155.03215	133.83338	75.53342	17.11357	0.0152185	0.08467673	5.1360195	20	10 16.9	19.3
65195 2002 CD_{266}	14.8	X	294.75718	323.20121	327.67028	4.61873	0.1496488	0.17630841	3.1498318	20	4 7.0	19.2
65196 2002 CF_{280}	15.2	X	104.35968	44.94043	187.16516	10.40271	0.0489638	0.18924427	3.0046061	20	9 25.7	19.6
65197 2002 CY_{282}	16.4	X	266.71515	65.49050	69.22297	5.52052	0.0492899	0.30656118	2.1783347	20	—	—
65198 2002 CR_{286}	15.0	X	336.33449	115.58528	164.21252	0.33547	0.1565986	0.17927450	3.1149927	20	5 27.8	18.6
65199 2002 CP_{287}	15.6	X	306.66343	184.73232	132.30036	0.77784	0.0151936	0.18255647	3.0775461	20	6 16.3	19.8
65200 2002 CL_{294}	14.4	X	1.89986	209.30698	78.12175	10.56766	0.0608941	0.18494114	3.0510339	20	7 25.0	18.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
65201 2002 CX_{294}	14.7	X	58.27289	269.22912	16.25122	10.80723	0.0873510	0.19230773	2.9726120	20	10 12.5	18.8
65202 2002 CO_{304}	15.7	X	103.40518	40.78040	127.62007	9.55703	0.0913735	0.28187318	2.3037404	20	7 15.7	18.7
65203 2002 DU	14.6	X	291.19401	223.94080	145.51603	10.47908	0.0029661	0.18195442	3.0843310	20	8 3.9	18.9
65204 2002 DQ_{12}	14.7	X	268.93260	206.25048	98.27406	8.86978	0.2703994	0.22325125	2.6911637	20	3 14.3	19.1
65205 2002 DW_{12}	12.4	X	210.82752	327.63431	169.76019	8.08285	0.1311435	0.08270209	5.2174512	20	9 10.8	19.7
65206 2002 DB_{13}	12.7	X	276.50251	61.04466	24.27357	4.90881	0.0822034	0.08465906	5.1367342	20	9 26.4	19.5
65207 2002 DY_{13}	15.0	X	211.81635	272.18510	59.68744	3.16279	0.2702319	0.22043634	2.7140255	20	2 29.5	19.9
65208 2002 DJ_{16}	14.2	X	99.34556	156.41682	71.15818	12.14451	0.0986626	0.18408160	3.0605240	20	9 26.1	18.9
65209 2002 DB_{17}	12.2	X	270.75815	7.29708	79.56275	17.58977	0.0889490	0.08491058	5.1265851	20	9 28.8	19.2
65210 Stichius	12.0	X	185.89979	149.75449	27.35873	16.56051	0.0544090	0.08425614	5.1530971	20	10 7.8	19.1
65211 2002 EK_{1}	12.9	X	302.75666	75.02407	350.31220	0.10865	0.0285142	0.08372754	5.1747633	20	10 9.8	19.6
65212 2002 EU_{1}	16.1	X	231.08067	353.19326	136.67963	28.51054	0.0514941	0.35301990	1.9827590	20	11 28.6	19.0
65213 Peterhobbs	14.0	X	122.93558	21.88251	182.87786	12.76322	0.0668824	0.18375347	3.0641665	20	9 13.3	18.6
65214 2002 EV_{12}	16.7	X	6.03646	325.59568	207.70539	1.36314	0.1590795	0.27047024	2.3680438	20	2 9.2	18.8
65215 2002 EX_{13}	16.2	X	12.33334	143.23259	124.71638	2.05420	0.1214950	0.28414037	2.2914695	20	7 26.9	18.2
65216 2002 EZ_{13}	12.4	X	313.20943	118.99546	274.19071	7.06195	0.0637146	0.08669451	5.0560148	20	9 9.9	19.0
65217 2002 EY_{16}	12.6	X	218.57886	314.30969	179.69673	3.64485	0.0147112	0.08049089	5.3125729	20	9 23.5	19.6
65218 2002 EJ_{20}	15.8	X	147.56593	323.42689	166.27401	4.13455	0.1199209	0.28605221	2.2812480	20	7 16.3	19.1
65219 2002 EY_{21}	14.6	X	254.76336	211.07782	201.06726	10.14177	0.1289093	0.18374248	3.0642886	20	7 22.9	19.2
65220 2002 EH_{22}	15.0	X	163.93921	217.94191	139.59340	10.77051	0.1529612	0.21556587	2.7547533	20	2 18.7	19.4
65221 2002 ET_{22}	15.6	X	80.09611	318.16229	123.03222	9.71109	0.0272637	0.21574045	2.7532670	20	2 10.4	19.3
65222 2002 EM_{29}	16.6	X	215.44096	51.15258	171.44596	2.34925	0.1428814	0.25389460	2.4700196	20	—	—
65223 2002 EU_{34}	12.4	X	219.36966	101.94766	32.21643	6.95821	0.0709887	0.08182827	5.2545292	20	9 21.9	19.5
65224 2002 EJ_{44}	12.6	X	162.99776	25.63464	179.20255	15.86872	0.0431893	0.08210711	5.2426257	20	10 14.2	19.7
65225 2002 EK_{44}	12.4	X	302.31352	206.80108	204.08986	6.96316	0.0815259	0.08106231	5.2875774	20	9 15.8	19.2
65226 2002 EQ_{46}	15.5	X	305.89181	336.38504	298.40840	2.36529	0.0679396	0.22191912	2.7019226	20	4 11.0	18.9
65227 2002 ES_{46}	12.4	X	219.06484	304.83147	193.64347	6.36237	0.0257258	0.08110869	5.2855613	20	9 27.7	19.5
65228 2002 EH_{58}	12.3	X	325.34456	235.70950	174.77319	16.69102	0.0692227	0.08602452	5.0822327	20	10 20.2	18.8
65229 2002 EE_{61}	12.6	X	313.21304	233.21532	188.30541	7.26940	0.0367499	0.08543697	5.1055063	20	10 18.1	19.2
65230 2002 ER_{71}	15.5	X	237.72252	42.99385	227.30206	3.47935	0.0160620	0.21146905	2.7902182	20	1 19.3	19.5
65231 2002 ED_{74}	16.1	X	328.57567	317.67940	289.15969	2.09560	0.1311868	0.27300304	2.3533746	20	3 23.5	18.4
65232 2002 EO_{87}	12.2	X	18.43463	315.31193	37.43257	5.90882	0.0390617	0.08159712	5.2644478	20	10 18.8	18.9
65233 2002 EW_{87}	16.0	X	178.15400	308.82093	166.39737	12.15022	0.1644629	0.23538329	2.5978793	20	7 24.7	20.4
65234 2002 ET_{95}	15.1	X	237.57544	191.55780	162.96485	10.12429	0.1985412	0.22704531	2.6610990	20	4 20.7	19.5
65235 2002 EG_{97}	15.4	X	20.85904	46.27284	192.31244	22.66075	0.2514528	0.27983988	2.3148862	20	7 10.8	17.9
65236 2002 EW_{97}	13.1	X	62.62234	209.51790	40.53951	7.81649	0.1370175	0.12624641	3.9354104	20	9 6.2	18.6
65237 2002 EY_{97}	14.5	X	98.64385	134.01956	128.44713	5.12450	0.2385278	0.18514320	3.0488136	20	11 12.9	19.6
65238 2002 EZ_{97}	15.1	X	9.84335	95.38408	125.49823	6.70005	0.0547543	0.22343612	2.6896791	20	5 8.7	18.5
65239 2002 EV_{101}	15.0	X	14.81728	309.06683	116.67267	12.66493	0.1642584	0.20641342	2.8355944	20	—	—
65240 2002 EU_{106}	12.6	X	183.90974	106.31797	67.32561	8.21670	0.0842640	0.08134111	5.2754881	20	10 1.9	20.0
65241 Seeley	14.9	X	12.32734	276.54813	48.45620	8.41952	0.1757178	0.23854868	2.5748466	20	10 23.6	17.6
65242 2002 EW_{115}	15.3	X	246.03215	240.96024	42.25516	7.51607	0.0882826	0.26699744	2.3885334	20	2 4.9	18.8
65243 2002 EP_{118}	12.6	X	308.27109	188.92314	211.86632	1.70056	0.0682863	0.08094428	5.2927163	20	9 14.1	19.3
65244 2002 ED_{126}	13.1	X	334.11570	83.82206	217.20464	7.34395	0.1995112	0.12343285	3.9949885	20	6 16.2	17.8
65245 2002 EH_{130}	12.0	X	334.32305	169.51170	207.98348	15.63544	0.0209353	0.08218331	5.2393849	20	9 20.9	18.9
65246 2002 EH_{146}	14.1	X	342.08927	84.23581	207.57006	9.24448	0.2203699	0.17732577	3.1377727	20	6 19.8	17.5
65247 2002 FR	15.2	X	65.02956	226.99536	239.36157	5.56441	0.0454777	0.21564132	2.7541107	20	2 20.9	19.0
65248 2002 FN_{4}	15.1	X	132.58215	174.71127	89.01361	3.39430	0.1242775	0.18992611	2.9974108	20	12 6.9	20.0
65249 2002 FF_{6}	14.6	X	285.28775	195.37284	132.54528	26.72222	0.0718496	0.23114733	2.6295219	20	6 1.9	18.7
65250 2002 FT_{14}	12.7	X	281.32228	298.49004	151.02856	4.02322	0.1486748	0.08287822	5.2100566	20	9 27.8	19.5
65251 2002 FV_{14}	16.6	X	339.21206	81.80454	46.72353	1.98109	0.1312005	0.26013869	2.4303347	20	—	—
65252 2002 FP_{24}	13.6	X	236.95953	258.59479	70.09813	17.95240	0.1458417	0.17059316	3.2197957	20	4 2.6	19.0
65253 2002 FO_{26}	14.4	X	151.50033	41.01846	67.12784	14.97293	0.0160951	0.17863975	3.1223673	20	6 12.8	18.8
65254 2002 FY_{26}	14.2	X	77.35396	117.23508	99.48105	11.51046	0.0560725	0.18209293	3.0827668	20	8 6.4	18.6
65255 2002 FM_{31}	14.6	X	73.92204	305.20199	71.43894	14.60698	0.0998191	0.20401539	2.8577710	20	—	—
65256 2002 FP_{34}	14.5	X	56.34777	79.99090	199.59180	11.69985	0.0384087	0.18184228	3.0855989	20	9 22.7	18.8
65257 2002 FU_{36}	11.5	X	246.50566	264.94289	206.45071	18.50939	0.0513790	0.08393865	5.1660831	20	9 22.6	18.5
65258 2002 FH_{37}	14.2	X	53.88965	185.71607	122.57328	11.59544	0.0403342	0.19079743	2.9882782	20	11 2.7	18.5
65259 2002 GP	14.6	X	43.40928	201.33649	136.71749	11.86034	0.0593182	0.19065890	2.9897255	20	11 27.1	18.9
65260 2002 GE_{2}	16.2	X	320.30175	179.38644	134.91076	5.89561	0.1714051	0.27781254	2.3261345	20	6 17.2	18.3
65261 2002 GC_{11}	15.2	X	38.71022	280.50400	44.80957	7.93260	0.2238615	0.29329947	2.2435127	20	12 18.2	18.2
65262 2002 GU_{12}	15.1	X	300.21682	78.36535	11.63025	3.92877	0.0636788	0.19375041	2.9578374	20	11 22.2	18.9
65263 2002 GA_{16}	15.8	X	325.92176	291.79545	22.22159	4.77078	0.1771259	0.28305872	2.2973034	20	6 28.9	17.7
65264 2002 GW_{16}	14.1	X	162.15478	277.36003	181.97025	9.65755	0.1980885	0.17455639	3.1708733	20	6 20.8	19.6
65265 2002 GY_{16}	15.2	X	206.86339	102.19645	151.91418	2.39215	0.0664152	0.20073891	2.8887836	20	—	—
65266 2002 GL_{20}	14.2	X	113.53239	223.04291	29.29765	17.00622	0.1662194	0.18443843	3.0565754	20	11 5.0	19.3
65267 2002 GR_{22}	15.1	X	73.23237	14.92965	237.34304	8.25995	0.1598784	0.23326649	2.6135721	20	10 2.2	18.9
65268 2002 GP_{23}	16.2	X	357.85638	281.41304	293.83502	1.51757	0.1525811	0.27292146	2.3538435	20	3 28.6	18.2
65269 2002 GR_{34}	14.7	X	340.90604	152.83792	117.89258	6.18373	0.1334879	0.17262237	3.1945130	20	5 26.9	18.6
65270 2002 GC_{38}	15.8	X	315.89816	305.12046	25.24518	5.80447	0.1907854	0.28522085	2.2856788	20	7 2.2	17.7
65271 2002 GD_{39}	15.6	X	222.43869	120.30887	187.99409	13.97158	0.0845864	0.21543311	2.7558849	20	2 11.4	19.9
65272 2002 GE_{41}	14.0	X	161.80789	208.65153	207.14562	15.97931	0.1223714	0.17173539	3.2055029	20	4 27.5	19.0
65273 2002 GN_{45}	14.3	X	189.95842	290.19366	17.22111	5.08436	0.0666039	0.15277040	3.4655851	20	1 20.5	19.6
65274 2002 GM_{55}	15.7	X	205.02474	216.21542	182.16249	3.08394	0.1299237	0.27779969	2.3262062	20	5 15.8	19.1
65275 2002 GN_{55}	15.6	X	288.90340	4.43555	346.46670	5.35717	0.1908796	0.28222726	2.3018132	20	6 11.9	18.1
65276 2002 GR_{78}	15.8	X	345.50152	191.83595	145.76239	4.66437	0.1681021	0.28537062	2.2848790	20	9 30.7	17.4
65277 2002 GL_{80}	16.6	X	92.17416	141.10848	170.09248	5.58586	0.2438196	0.29815872	2.2190702	20	—	—
65278 2002 GW_{101}	14.3	X	353.47839	224.61637	40.20056	10.95052	0.0670378	0.17006579	3.2264486	20	6 8.5	18.6
65279 2002 GJ_{108}	14.8	X	68.87384	189.85950	146.47484	9.39747	0.0859847	0.19193054	2.9765053	20	12 26.0	19.3
65280 2002 GK_{113}	15.2	X	131.35744	312.23360	164.63863	10.59035	0.1733417	0.17417715	3.1754743	20	6 14.7	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
65281 2002 GM_{121}	12.2	X	297.38819	21.43374	61.86074	23.15197	0.0632850	0.08438792	5.1477313	20	10 27.6	19.0
65282 2002 GW_{148}	16.5	X	169.64500	91.61459	77.07004	3.18798	0.1348695	0.24010587	2.5637019	20	9 27.0	20.5
65283 2002 GT_{172}	15.6	X	36.03091	208.86602	153.53291	1.18856	0.1243311	0.24649076	2.5192366	20	—	—
65284 2002 HE_{1}	15.1	X	231.73388	182.50755	172.14180	4.01094	0.0204745	0.22257977	2.6965735	20	4 28.6	18.8
65285 2002 HU_{1}	15.3	X	359.63938	10.14091	130.50622	4.69623	0.0426595	0.21033128	2.8002715	20	1 8.4	19.0
65286 2002 HC_{8}	15.5	X	294.33899	20.35109	253.18442	5.50458	0.0796897	0.26979294	2.3720054	20	3 16.6	18.6
65287 2002 HL_{11}	14.9	X	214.68227	272.89371	130.56371	14.95273	0.0976424	0.22702505	2.6612573	20	6 6.4	19.1
65288 2002 HW_{13}	16.4	X	315.38697	31.66243	167.47002	22.79065	0.0554570	0.37033950	1.9204486	20	—	—
65289 2002 JX	15.4	X	120.47903	206.68257	96.78620	14.32560	0.1260797	0.24511235	2.5286725	20	—	—
65290 2002 JA_{4}	14.9	X	201.49004	319.68497	115.63982	22.74772	0.0252750	0.22851069	2.6497101	20	7 5.9	18.6
65291 2002 JX_{11}	15.8	X	347.10987	292.21064	33.61033	4.70262	0.1668773	0.28285193	2.2984230	20	9 14.0	17.5
65292 2002 JA_{15}	15.5	X	100.30630	116.77499	138.68949	2.95606	0.1587504	0.23794283	2.5792155	20	11 7.5	19.4
65293 2002 JM_{18}	15.8	X	202.26032	188.24512	123.09772	3.52492	0.2040033	0.25858331	2.4400706	20	1 25.0	19.8
65294 2002 JJ_{22}	14.6	X	62.91814	280.77522	201.11054	8.82584	0.1121752	0.21580069	2.7527546	20	3 18.5	18.0
65295 2002 JC_{24}	15.3	X	295.00010	184.22093	78.95547	3.38400	0.0256226	0.21552048	2.7551401	20	3 22.1	18.9
65296 2002 JS_{25}	15.0	X	116.97340	110.16020	190.36055	10.10926	0.0781436	0.19099888	2.9861767	20	—	—
65297 2002 JB_{31}	14.6	X	350.99319	197.39252	66.97545	3.28692	0.2365780	0.16568154	3.2831190	20	5 30.5	17.9
65298 2002 JA_{39}	14.9	X	303.65424	106.75395	38.23165	14.07156	0.0270035	0.19734383	2.9218216	20	—	—
65299 2002 JZ_{41}	16.1	X	171.43519	279.37669	220.92210	5.20916	0.2097766	0.23725238	2.5842171	20	8 18.2	20.6
65300 2002 JT_{44}	14.0	X	314.47998	306.84042	21.72251	19.47358	0.0636544	0.17288027	3.1913353	20	7 9.1	18.7
65301 2002 JP_{48}	15.9	X	355.81539	309.07439	284.74303	1.53791	0.1651047	0.27303418	2.3531957	20	4 22.6	17.6
65302 2002 JB_{49}	14.2	X	48.97263	44.37389	249.51421	7.36830	0.0949880	0.17958860	3.1113596	20	10 7.7	18.6
65303 2002 JP_{52}	16.5	X	253.38411	182.30075	50.61911	0.36332	0.1484628	0.25656954	2.4528218	20	—	—
65304 2002 JT_{52}	15.7	X	265.33075	276.15394	52.33314	6.77015	0.0249820	0.27228617	2.3575034	20	5 4.5	18.5
65305 2002 JC_{60}	16.4	X	44.52365	119.56945	108.03398	3.20686	0.1560243	0.27838704	2.3229331	20	7 28.5	18.8
65306 2002 JL_{63}	16.0	X	281.41489	187.19937	118.20883	3.47516	0.1783737	0.26930616	2.3748628	20	4 2.3	19.1
65307 2002 JD_{64}	14.7	X	142.00617	164.35292	131.69892	1.99467	0.2247708	0.18990421	2.9976412	20	—	—
65308 2002 JC_{65}	15.8	X	53.30954	101.79944	126.87070	4.61692	0.1164284	0.27979773	2.3151187	20	8 6.5	18.4
65309 2002 JZ_{66}	16.2	X	119.14428	205.34090	161.33742	3.10992	0.1526377	0.30850304	2.1691841	20	—	—
65310 2002 JL_{70}	15.0	X	283.85397	100.17116	153.13402	9.49933	0.1132210	0.21017902	2.8016237	20	2 10.6	19.1
65311 2002 JZ_{75}	14.3	X	131.50508	255.72576	215.56524	9.26126	0.1660501	0.17238750	3.1974139	20	6 6.9	19.5
65312 2002 JP_{76}	15.1	X	42.87344	294.53249	227.14641	4.04127	0.0961869	0.21909191	2.7251170	20	4 8.3	18.4
65313 2002 JB_{80}	15.5	X	159.73165	27.39977	0.07487	2.17406	0.0439757	0.21424281	2.7660830	20	3 13.9	19.3
65314 2002 JM_{80}	15.7	X	44.13152	233.94419	2.18435	0.45366	0.1291384	0.17307134	3.1889860	20	7 25.9	19.8
65315 2002 JE_{102}	14.3	X	50.82265	217.00782	71.47444	5.81954	0.1103819	0.17657193	3.1466971	20	10 10.5	18.6
65316 2002 JG_{103}	16.3	X	311.93239	46.66257	180.40696	2.42707	0.1519737	0.26661614	2.3908101	20	1 29.0	19.3
65317 2002 JY_{103}	15.9	X	268.55131	295.44757	168.19713	1.11626	0.0852724	0.29491777	2.2352980	20	11 18.1	17.9
65318 2002 JH_{107}	15.7	X	91.41742	335.73359	279.16889	5.95396	0.0887526	0.29100504	2.2552899	20	10 28.2	18.7
65319 2002 JJ_{127}	14.4	X	40.54746	206.50565	111.65104	7.45931	0.1756936	0.18114410	3.0935223	20	11 13.1	18.6
65320 2002 JX_{128}	15.2	X	131.81639	183.46873	165.76984	6.26692	0.1256383	0.25889729	2.4380974	20	—	—
65321 2002 JD_{133}	14.7	X	118.34962	34.32734	266.73216	9.59562	0.0994229	0.19161585	2.9797633	20	—	—
65322 2002 KS	14.2	X	282.85296	50.18780	291.80011	6.15818	0.0658723	0.17081790	3.2169709	20	6 9.6	18.8
65323 2002 KR_{4}	15.5	X	40.84655	346.08567	216.66769	4.01874	0.1203226	0.21954775	2.7213436	20	6 5.9	18.7
65324 2002 LA_{11}	15.7	X	123.79971	31.03173	172.30264	4.15732	0.0938738	0.28622189	2.2803464	20	9 28.5	18.6
65325 2002 LO_{18}	15.4	X	119.13971	322.37315	227.89459	2.71950	0.1845301	0.23014933	2.6371181	20	9 4.0	19.7
65326 2002 LZ_{18}	14.8	X	43.18225	161.07979	128.72028	2.65355	0.2312618	0.17389496	3.1789087	20	10 18.1	19.0
65327 2002 LV_{20}	16.1	X	155.68402	145.64264	106.33925	6.83370	0.1655732	0.29549043	2.2324090	20	—	—
65328 2002 LU_{23}	15.3	X	102.58375	244.37503	88.00460	7.22782	0.2344360	0.23915662	2.5704813	20	—	—
65329 2002 LX_{31}	15.1	X	342.16162	29.84455	271.36359	3.90638	0.1875478	0.21909300	2.7251079	20	7 9.4	17.7
65330 2002 LR_{33}	14.5	X	292.76455	341.90631	4.12941	5.79471	0.0262137	0.16968599	3.2312612	20	7 4.3	19.0
65331 2002 LW_{35}	14.3	X	294.86294	277.62570	107.68506	13.51224	0.0419088	0.17270452	3.1935000	20	8 27.7	18.8
65332 2002 LM_{44}	15.3	X	264.88892	50.69170	272.01005	4.52225	0.1790453	0.21445515	2.7642568	20	4 5.4	19.5
65333 2002 LZ_{53}	15.0	X	175.42223	97.01419	176.93006	12.08982	0.0211050	0.19415718	2.9537047	20	—	—
65334 2002 LF_{57}	15.5	X	177.82671	196.72015	181.36001	6.56019	0.1773444	0.25741396	2.4474547	20	3 24.8	19.3
65335 2002 LR_{58}	14.7	X	78.05566	188.72008	178.54167	20.08799	0.3865797	0.24454322	2.5325943	20	—	—
65336 2002 LS_{58}	14.4	X	201.66129	313.69892	168.24799	16.04234	0.0552090	0.17893098	3.1189784	20	8 28.2	19.1
65337 2002 MD_{4}	15.1	X	25.79664	276.68635	13.30031	1.34029	0.1137512	0.22439249	2.6820313	20	9 13.0	18.2
65338 2002 NH_{1}	16.2	X	58.41781	181.11014	141.89477	1.29456	0.0926463	0.23199344	2.6231245	20	12 7.8	19.6
65339 2002 NJ_{2}	14.2	X	82.13827	40.03993	286.94167	8.60234	0.1068047	0.18134192	3.0912722	20	12 29.1	18.7
65340 2002 NR_{11}	16.1	X	282.34531	86.43799	240.11321	1.61417	0.2222595	0.26688483	2.3892053	20	4 23.8	19.1
65341 2002 NC_{13}	16.4	X	317.35255	162.71345	122.33743	3.97550	0.1890048	0.26779418	2.3837935	20	4 24.4	18.8
65342 2002 NL_{13}	15.4	X	203.58223	166.04660	137.67833	4.13290	0.1234230	0.19683895	2.9268156	20	1 22.9	19.9
65343 2002 NO_{16}	15.3	X	340.21943	29.83146	276.90023	3.75131	0.0993036	0.21854732	2.7296422	20	7 17.3	18.4
65344 2002 NL_{18}	16.4	X	8.86471	60.08949	233.90384	5.02549	0.1771132	0.27648254	2.3335883	20	9 4.1	18.5
65345 2002 NF_{19}	15.5	X	245.41997	63.18499	276.14276	5.35009	0.1311879	0.26244392	2.4160822	20	4 7.7	19.2
65346 2002 NC_{20}	16.0	X	64.15628	19.40456	296.25941	13.77824	0.2543792	0.23118851	2.6292097	20	12 23.4	20.3
65347 2002 NR_{20}	16.1	X	344.29232	89.34727	192.60249	5.49209	0.0922942	0.27012755	2.3700461	20	6 20.9	18.5
65348 2002 NU_{25}	16.2	X	11.76817	38.51655	270.03776	2.80650	0.2489891	0.27701784	2.3305811	20	10 17.6	18.4
65349 2002 NR_{26}	17.0	X	187.51215	173.89896	155.23540	5.20193	0.2214026	0.30559013	2.1829469	20	1 29.6	20.5
65350 2002 NG_{34}	14.1	X	60.03604	257.86794	116.30486	8.86832	0.2374314	0.18171771	3.0870089	20	—	—
65351 2002 ND_{37}	16.1	X	216.56125	256.51303	161.61085	8.53126	0.2074264	0.26701495	2.3884290	20	6 17.8	20.1
65352 2002 NJ_{40}	14.2	X	323.88008	286.01266	109.60093	2.49926	0.1478482	0.17085877	3.2164578	20	10 11.8	17.9
65353 2002 NR_{40}	15.4	X	75.34811	353.91960	294.73962	0.55424	0.1567014	0.17460720	3.1702581	20	11 11.2	20.1
65354 2002 NG_{43}	16.1	X	65.05929	179.48369	25.81344	5.31288	0.1725680	0.27334862	2.3513907	20	7 31.4	19.0
65355 2002 NH_{52}	16.5	X	322.63821	10.03760	331.31055	1.57297	0.2153203	0.27382801	2.3486455	20	8 2.5	17.9
65356 2002 NE_{54}	16.4	X	138.66890	191.81844	107.27712	4.27952	0.1624815	0.29723065	2.2236870	20	—	—
65357 Antoniucci	15.4	X	319.76650	240.02876	265.98672	5.06354	0.1152820	0.24534700	2.5270600	20	—	—
65358 2002 OS	16.0	X	356.60111	210.22901	160.05324	10.07777	0.3460167	0.22583231	2.6706194	20	12 21.5	18.7
65359 2002 ON_{10}	15.4	X	2.94204	240.37108	121.08657	4.02557	0.1230220	0.22743351	2.6580700	20	11 16.7	18.5
65360 2002 OE_{11}	14.5	X	240.15851	254.16639	139.41176	8.32897	0.2306760	0.21062414	2.7976752	20	6 6.7	19.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
65361 2002 OO_{16}	15.0	X	41.27794	201.40944	157.53037	10.65326	0.0825933	0.17935228	3.1140920	20	12 18.0	19.5
65362 2002 OG_{22}	16.3	X	250.13388	111.75633	218.47977	1.77160	0.1422778	0.26129608	2.4231527	20	4 2.3	19.7
65363 Ruthanna	16.3	X	327.30707	290.22676	2.61491	2.09466	0.2168259	0.26962870	2.3729685	20	5 18.9	18.3
65364 2002 PG_{16}	15.5	X	94.07339	120.48905	191.09788	1.51180	0.0766184	0.18088028	3.0965296	20	12 20.4	20.0
65365 2002 PD_{24}	15.6	X	192.16838	124.53886	191.29365	1.50695	0.0836540	0.19557252	2.9394371	20	1 25.6	20.0
65366 2002 PF_{26}	15.9	X	53.90911	166.33243	158.89024	4.32551	0.1760094	0.28589233	2.2820985	20	12 27.4	19.1
65367 2002 PR_{29}	16.3	X	335.38509	301.59777	312.53039	3.75008	0.1962324	0.26592484	2.3949518	20	4 5.7	18.5
65368 2002 PB_{41}	15.4	X	161.13744	107.86615	219.57778	8.85265	0.1902499	0.24359848	2.5391382	20	1 8.7	19.5
65369 2002 PL_{44}	14.8	X	14.18271	219.87888	149.73993	10.00991	0.2311243	0.22439165	2.6820380	20	12 28.9	18.2
65370 2002 PS_{44}	14.7	X	15.87755	249.25810	124.26803	8.22329	0.3081137	0.22460507	2.6803387	20	—	—
65371 2002 PB_{46}	15.2	X	336.29965	44.83051	341.52615	9.58959	0.1571919	0.22166239	2.7040085	20	10 30.4	18.1
65372 2002 PX_{46}	15.4	X	48.37657	4.19054	349.01240	6.38861	0.1287032	0.28388704	2.2928326	20	—	—
65373 2002 PC_{52}	14.3	X	58.36136	284.32602	89.71550	3.07930	0.1959865	0.18161432	3.0881803	20	—	—
65374 2002 PP_{55}	13.0	X	79.98961	197.68981	160.01033	9.16154	0.2757495	0.12468474	3.9682026	20	—	—
65375 2002 PM_{56}	15.6	X	137.49990	7.52465	257.50600	2.84427	0.2177720	0.23616348	2.5921545	20	12 20.4	20.0
65376 2002 PM_{63}	15.3	X	112.72796	174.89986	149.84025	6.75682	0.1643380	0.18396119	3.0618594	20	—	—
65377 2002 PT_{63}	15.1	X	96.61081	358.11064	337.50388	2.83458	0.1297812	0.23741843	2.5830121	20	—	—
65378 2002 PD_{82}	14.4	X	70.86343	92.87671	315.64920	2.90277	0.1752046	0.18719898	3.0264516	20	1 10.6	18.1
65379 2002 PL_{83}	16.4	X	31.45907	170.59615	142.72009	3.34907	0.1555378	0.28015205	2.3131662	20	11 12.0	19.1
65380 2002 PQ_{97}	16.1	X	93.64548	340.03071	15.26935	4.52583	0.1909017	0.29394940	2.2402045	20	—	—
65381 2002 PP_{121}	15.3	X	225.30330	173.53128	216.41566	5.06433	0.0542526	0.20879930	2.8139520	20	6 2.1	19.3
65382 2002 PN_{127}	15.1	X	287.93945	283.99018	28.36606	4.13070	0.1134945	0.20944448	2.8081703	20	4 30.8	19.0
65383 2002 PN_{129}	15.7	X	202.60160	141.83019	228.14750	1.15600	0.0825374	0.20378846	2.8598922	20	4 9.8	20.1
65384 2002 PC_{136}	16.0	X	345.65222	192.53014	67.46960	1.41737	0.1884301	0.26719411	2.3873612	20	5 12.1	17.5
65385 2002 QW	16.4	X	42.20436	163.80880	266.97310	1.20146	0.1628488	0.24046764	2.5611300	20	—	—
65386 2002 QS_{6}	14.8	X	246.24046	213.82875	198.51734	7.38227	0.2767984	0.20987431	2.8043348	20	6 29.4	19.5
65387 2002 QM_{42}	14.6	X	61.08120	236.20048	55.67268	6.44454	0.1371200	0.17296029	3.1903509	20	10 28.9	19.0
65388 2002 QF_{47}	14.7	X	27.14686	335.27848	20.57932	14.49490	0.1386960	0.22724901	2.6595085	20	12 13.8	18.4
65389 2002 RF_{12}	13.9	X	94.80807	145.14011	210.83000	2.27155	0.2613982	0.12539913	3.9531173	20	1 3.2	19.4
65390 2002 RA_{13}	16.3	X	88.06663	283.60639	30.65140	1.08061	0.2232557	0.28758607	2.2731293	20	—	—
65391 2002 RJ_{25}	14.8	X	87.89453	338.44062	20.75934	6.01030	0.2562910	0.23313368	2.6145646	20	—	—
65392 2002 RH_{28}	15.6	X	310.10034	20.06452	45.25279	7.54434	0.0873978	0.27566953	2.3381742	20	11 26.2	18.0
65393 2002 RG_{29}	15.4	X	350.81675	152.83087	208.24472	3.15783	0.0884319	0.22315753	2.6919171	20	10 21.5	18.4
65394 2002 RC_{62}	14.9	X	135.28297	95.54641	176.19084	13.78584	0.0704053	0.22879167	2.6475403	20	12 25.8	19.1
65395 2002 RY_{63}	15.1	X	329.35942	157.49821	154.33474	9.21915	0.1997120	0.21196371	2.7858755	20	6 25.6	18.0
65396 2002 RQ_{69}	15.7	X	308.19010	189.87401	131.46594	2.77075	0.0756380	0.21092949	2.7949745	20	6 17.5	19.3
65397 2002 RL_{71}	16.2	X	226.66252	358.72248	273.76583	5.70616	0.0662566	0.30346389	2.1931316	20	—	—
65398 2002 RP_{72}	14.4	X	3.49133	277.77989	161.13266	13.85022	0.1571550	0.17992382	3.1074938	20	—	—
65399 2002 RR_{79}	15.6	X	6.13096	111.17926	200.82194	2.15767	0.1094155	0.21848382	2.7301711	20	9 8.9	18.6
65400 2002 RJ_{83}	14.8	X	115.89057	187.48004	174.72503	3.85006	0.1028774	0.18538200	3.0461948	20	1 3.2	19.1
65401 2002 RX_{86}	16.1	X	192.50954	214.96583	190.39106	2.68962	0.1822431	0.25703274	2.4498740	20	5 11.6	19.9
65402 2002 RU_{92}	16.1	X	265.78230	173.72787	140.47937	1.20369	0.2258100	0.20365506	2.8611409	20	3 25.1	20.5
65403 2002 RO_{94}	14.8	X	289.36415	208.02646	142.46123	3.05153	0.0997160	0.20954022	2.8073148	20	6 25.7	18.4
65404 2002 RX_{104}	15.1	X	346.87897	211.78973	180.43421	5.32489	0.1813216	0.22106151	2.7089061	20	12 5.6	18.0
65405 2002 RY_{105}	14.9	X	351.53761	134.26289	300.52559	1.64139	0.1542514	0.22598997	2.6693771	20	—	—
65406 2002 RS_{112}	14.8	X	169.76004	354.21766	230.84565	11.69155	0.1364369	0.22753879	2.6572500	20	12 1.9	18.9
65407 2002 RP_{120}	12.3	X	16.15736	357.73369	39.18011	119.09970	0.9542828	0.00250349	53.7162131	20	5 20.7	27.5
65408 2002 RM_{136}	15.7	X	152.31483	220.24007	81.15773	5.39031	0.2221168	0.24100397	2.5573289	20	—	—
65409 2002 RM_{212}	13.9	X	310.02180	340.22394	39.90484	16.19919	0.1408911	0.16053581	3.3529064	20	9 4.5	18.4
65410 2002 ST_{16}	15.2	X	107.07654	316.72654	21.04964	0.70229	0.1977204	0.18053466	3.1004804	20	—	—
65411 2002 SH_{30}	15.5	X	137.83243	171.76733	134.97755	10.21043	0.1709889	0.23751740	2.5822944	20	—	—
65412 2002 SS_{47}	15.6	X	255.05560	239.75834	159.37495	3.34713	0.0800414	0.21091506	2.7951019	20	7 17.1	19.5
65413 2002 TB_{28}	15.1	X	79.99394	37.83629	358.23884	0.36213	0.1914466	0.18173264	3.0868398	20	1 12.0	18.7
65414 2002 TE_{30}	15.3	X	185.71309	103.62658	295.82109	1.10506	0.0781395	0.19827071	2.9127084	20	4 28.6	19.8
65415 2002 TW_{39}	16.2	X	2.16962	184.49436	227.41596	11.30326	0.2954835	0.22452255	2.6809954	20	—	—
65416 2002 TK_{40}	15.0	X	1.03147	307.41562	106.40094	3.70029	0.2313262	0.22616495	2.6680001	20	—	—
65417 2002 TG_{44}	16.1	X	321.99345	131.69963	190.83343	4.90419	0.2471756	0.26688848	2.3891834	20	6 21.5	17.9
65418 2002 TC_{47}	15.6	X	3.52719	204.07798	166.91562	3.17414	0.1046150	0.22121890	2.7076212	20	11 25.7	18.9
65419 2002 TB_{50}	15.1	X	158.54011	128.47254	192.48671	3.93685	0.1160126	0.23790156	2.5795138	20	—	—
65420 2002 TF_{51}	16.5	X	338.12420	141.55228	196.17966	5.55872	0.1940501	0.26916063	2.3757187	20	9 5.7	18.2
65421 2002 TG_{75}	15.5	X	119.38357	348.01608	132.49098	7.93089	0.0349017	0.25914887	2.4365192	20	5 24.2	18.8
65422 2002 TL_{79}	14.8	X	132.04628	131.24667	61.33281	14.73938	0.1167158	0.26851446	2.3795286	20	9 29.9	18.6
65423 2002 TL_{89}	14.4	X	30.69607	263.97323	224.70839	10.55787	0.2361087	0.18442266	3.0567496	20	2 12.5	17.6
65424 2002 TO_{111}	14.1	X	1.54356	198.10057	166.10609	9.15404	0.0896184	0.17080714	3.2171060	20	11 1.8	18.3
65425 2002 TL_{129}	16.6	X	233.01028	20.61014	293.24119	4.88411	0.2392637	0.30969662	2.1636071	20	2 15.2	20.2
65426 2002 TS_{135}	15.5	X	229.48361	211.57585	117.80154	8.25422	0.1531755	0.25247235	2.4792872	20	3 14.9	19.4
65427 2002 TU_{168}	16.3	X	26.55133	89.82545	174.78057	4.06539	0.1458945	0.27039440	2.3684865	20	8 18.9	18.8
65428 2002 TY_{176}	14.1	X	132.64910	146.31790	271.54636	12.73350	0.1522782	0.24437631	2.5337474	20	3 23.1	18.1
65429 2002 TV_{177}	14.3	X	329.41109	174.24318	256.71251	15.65957	0.2651573	0.22348654	2.6892745	20	12 31.6	16.5
65430 2002 TK_{180}	14.7	X	225.38249	124.67086	302.93999	12.54244	0.1386170	0.26063717	2.4272349	20	7 15.7	18.2
65431 2002 TC_{198}	14.6	X	61.27711	62.68181	219.81890	12.18933	0.1431348	0.21838501	2.7309945	20	10 24.6	18.5
65432 2002 TH_{209}	16.0	X	164.04219	178.52501	139.00979	9.28638	0.2090085	0.24259813	2.5461135	20	1 2.5	20.1
65433 2002 TX_{238}	15.5	X	14.42450	297.77086	68.30813	7.87549	0.3300264	0.27723143	2.3293839	20	—	—
65434 2002 TD_{243}	14.6	X	77.58308	280.73939	162.85756	12.38281	0.2193476	0.23959462	2.5673476	20	3 4.7	17.3
65435 2002 TQ_{253}	16.5	X	200.35406	182.07215	141.73189	3.78939	0.1376079	0.30076804	2.2062172	20	2 1.3	19.5
65436 2002 TJ_{261}	15.9	X	308.48145	325.82336	121.39520	5.89773	0.1663728	0.27494302	2.3422913	20	12 27.9	17.6
65437 2002 TM_{275}	15.4	X	358.02212	13.04307	352.44122	4.73920	0.1694671	0.22037854	2.7145000	20	11 14.9	18.4
65438 2002 TA_{280}	14.4	X	233.81314	328.03175	232.65621	14.67723	0.0442216	0.17445373	3.1721171	20	—	—
65439 2002 TV_{281}	14.6	X	9.69356	354.22251	5.76551	9.38122	0.2289370	0.22195966	2.7015936	20	12 6.7	17.9
65440 2002 TF_{285}	14.1	X	140.86780	97.98381	247.45881	10.03770	0.2011076	0.18419190	3.0593021	20	1 18.9	19.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
65441 2002 TF_{291}	14.7	X	182.41154	247.05043	24.58994	12.31748	0.1617513	0.23306377	2.6150874	20	—	—
65442 2002 TV_{291}	13.8	X	97.48863	265.36948	21.90491	12.46426	0.2873689	0.22402359	2.6849748	20	12 15.6	18.8
65443 2002 TR_{300}	14.8	X	134.63869	240.80184	105.57897	11.75611	0.0927292	0.18314336	3.0709678	20	1 5.0	19.2
65444 2002 UO_{29}	15.9	X	54.03607	220.93860	110.86396	7.53304	0.1567371	0.27900942	2.3194774	20	—	—
65445 2002 UK_{39}	15.9	X	164.37483	332.75303	238.34798	2.43641	0.1055247	0.27511584	2.3413103	20	11 19.3	19.1
65446 2002 VP_{25}	14.5	X	209.49537	169.84215	165.95072	10.61701	0.1620839	0.19283762	2.9671639	20	3 5.5	19.3
65447 2002 VR_{34}	14.8	X	68.83141	339.61180	152.04760	0.82906	0.1844281	0.18565597	3.0431973	20	4 24.4	18.6
65448 2002 VN_{35}	15.0	X	96.79967	148.98546	183.81572	0.45719	0.1898582	0.17458540	3.1705220	20	—	—
65449 2002 VS_{37}	14.9	X	302.41535	293.40541	169.78238	11.31442	0.1062702	0.22223911	2.6993284	20	12 19.7	18.2
65450 2002 VX_{52}	16.2	X	127.83177	87.61707	217.89457	2.01141	0.1603244	0.28766809	2.2726973	20	—	—
65451 2002 VL_{58}	15.1	X	305.58545	275.59880	118.41907	5.05043	0.1046631	0.21246657	2.7814781	20	9 21.5	18.4
65452 2002 VZ_{65}	15.2	X	21.73365	285.74423	149.61463	4.32455	0.1558996	0.23030977	2.6358932	20	—	—
65453 2002 VJ_{68}	14.0	X	202.84878	35.20784	306.20693	9.59081	0.1217771	0.19323648	2.9630795	20	3 3.4	18.8
65454 2002 VD_{69}	14.5	X	108.94516	280.40084	25.09446	11.65577	0.1983625	0.22846263	2.6500817	20	—	—
65455 2002 VC_{75}	16.4	X	50.22932	340.45487	140.98133	4.75829	0.0546565	0.29891110	2.2153449	20	2 10.0	18.7
65456 2002 VW_{76}	15.1	X	27.32097	262.28719	193.15864	5.17507	0.1303596	0.17774258	3.1328654	20	—	—
65457 2002 VQ_{78}	14.5	X	348.61124	268.72242	220.14937	11.85558	0.2075748	0.17418169	3.1754190	20	—	—
65458 2002 VD_{102}	15.6	X	185.88451	137.07796	229.61274	4.56347	0.1174600	0.29920454	2.2138963	20	3 10.8	18.9
65459 2002 WV_{7}	15.5	X	5.18139	16.56753	278.13728	0.91081	0.0304093	0.20592599	2.8400671	20	8 7.3	19.3
65460 2002 WU_{11}	15.3	X	320.98941	338.82464	144.80555	10.75939	0.1150536	0.22622806	2.6675040	20	—	—
65461 2002 WU_{12}	14.6	X	62.27515	223.25752	166.90755	11.53087	0.2128157	0.23072954	2.6326952	20	—	—
65462 2002 XB_{2}	15.1	X	167.89088	182.90989	124.01902	4.37191	0.1281090	0.23506591	2.6002171	20	—	—
65463 2002 XD_{2}	16.0	X	263.14678	329.20310	138.67106	2.93464	0.1246781	0.27178869	2.3603793	20	11 4.3	18.6
65464 2002 XN_{3}	14.9	X	88.59695	110.30072	214.62315	4.84384	0.1376397	0.17051810	3.2207405	20	—	—
65465 2002 XQ_{20}	15.1	X	104.35212	275.40648	302.42145	2.64209	0.0372641	0.20938763	2.8086785	20	9 8.2	18.9
65466 2002 XR_{21}	15.4	X	24.95511	107.40850	47.77727	3.62241	0.1597230	0.23766269	2.5812419	20	3 1.9	17.9
65467 2002 XG_{26}	15.5	X	41.08399	26.43657	267.16460	1.54508	0.1900704	0.26796636	2.3827722	20	10 30.1	18.4
65468 2002 XV_{27}	15.7	X	141.10033	215.30476	114.09960	0.76299	0.1120756	0.23378819	2.6096825	20	—	—
65469 2002 XJ_{29}	14.7	X	307.96663	183.91181	120.25913	12.22791	0.0567154	0.19082413	2.9879995	20	5 29.9	18.9
65470 2002 XC_{47}	15.6	X	293.54041	178.40712	259.52341	6.85601	0.0843496	0.26903110	2.3764813	20	11 14.0	18.2
65471 2002 YT_{5}	14.5	X	302.53612	236.78684	323.62548	8.31714	0.1034593	0.17163444	3.2067598	20	1 8.5	19.1
65472 2002 YJ_{7}	15.3	X	334.70177	108.07474	287.12315	5.97721	0.1080981	0.27120894	2.3637419	20	11 25.2	17.8
65473 2002 YT_{23}	14.9	X	143.50714	336.92127	106.92137	10.94657	0.1101705	0.19017443	2.9948010	20	5 14.9	19.6
65474 2003 AZ_{5}	13.5	X	238.09354	0.05356	320.86633	14.65376	0.1050791	0.23695802	2.5863568	20	3 8.8	17.6
65475 2003 AB_{16}	16.2	X	152.95181	106.51475	284.76832	7.82912	0.0822744	0.24031600	2.5622073	20	3 7.6	20.0
65476 2003 AU_{29}	16.4	X	138.14533	178.74442	268.49481	2.35643	0.0566724	0.30058765	2.2070998	20	4 30.7	19.2
65477 2003 AX_{37}	14.4	X	64.19003	66.59781	124.31201	10.87327	0.0790123	0.19086106	2.9876141	20	6 19.1	18.6
65478 2003 AW_{53}	15.7	X	155.55441	348.64642	95.26075	13.81744	0.0261067	0.24637187	2.5200470	20	5 21.9	19.2
65479 2003 AP_{75}	14.6	X	162.45237	37.45118	9.45095	12.43357	0.2595575	0.18958018	3.0010560	20	4 18.9	20.0
65480 2003 BP_{12}	16.4	X	85.41077	87.25060	5.52075	5.49386	0.0643762	0.29093976	2.2556272	20	2 28.3	18.9
65481 2003 BW_{36}	16.2	X	104.87577	11.67618	287.24540	0.84429	0.1623308	0.26432609	2.4045992	20	—	—
65482 2003 BH_{63}	15.0	X	19.54553	10.32937	167.78450	11.48894	0.1500747	0.23295292	2.6159169	20	3 25.0	17.5
65483 2003 BD_{84}	16.4	X	59.29597	306.91384	158.22311	4.62705	0.0751218	0.28719916	2.2751704	20	2 4.1	18.6
65484 2003 BL_{90}	16.2	X	355.23995	60.12447	59.33922	6.36797	0.0628458	0.28225917	2.3016397	20	—	—
65485 2003 CK_{9}	16.4	X	32.33635	298.21694	226.70972	4.05501	0.1446725	0.23581773	2.5946877	20	3 27.4	19.0
65486 2003 CJ_{19}	16.5	X	256.84428	269.06899	202.02401	1.98891	0.1334344	0.26494271	2.4008668	20	10 25.8	19.3
65487 2003 CD_{20}	15.2	X	71.24225	23.84933	165.74040	15.62328	0.1061127	0.24088940	2.5581397	20	7 2.1	18.8
65488 2003 DT_{8}	15.3	X	359.75062	246.89457	311.03345	1.04339	0.0754271	0.17637556	3.1490323	20	3 23.7	19.2
65489 Ceto	6.4	X	11.00551	319.87304	172.07340	22.31051	0.8221842	0.00097563	100.6807498	20	5 19.2	22.5
65490 2062 *P–L*	15.6	X	98.79442	326.06570	3.98735	10.23727	0.1108479	0.26729155	2.3867810	20	—	—
65491 2084 *P–L*	15.9	X	84.23208	349.06212	334.78559	1.05325	0.1342788	0.31604432	2.1345388	20	—	—
65492 2104 *P–L*	14.1	X	324.70668	125.30676	195.39822	26.51895	0.2035392	0.17912129	3.1167688	20	6 24.1	18.3
65493 2119 *P–L*	15.9	X	184.05211	138.44028	211.61495	6.31290	0.1404404	0.27212368	2.3584418	20	2 19.6	19.7
65494 2123 *P–L*	14.4	X	235.60792	332.60298	345.82611	8.82322	0.0771129	0.17432547	3.1736728	20	3 14.7	19.1
65495 2200 *P–L*	15.4	X	350.56111	51.03641	269.42738	2.83397	0.2445403	0.24632550	2.5203632	20	9 6.7	17.2
65496 2211 *P–L*	16.1	X	168.47756	305.65964	319.50172	4.08878	0.2095798	0.26804816	2.3822875	20	—	—
65497 2606 *P–L*	15.6	X	137.94130	131.35794	203.70895	2.01411	0.1889886	0.26956957	2.3733155	20	—	—
65498 2647 *P–L*	15.2	X	10.16035	29.50369	16.55603	1.49811	0.1774929	0.26591993	2.3949813	20	—	—
65499 2650 *P–L*	16.8	X	75.23384	222.39794	166.32058	1.77114	0.1903182	0.28483574	2.2877386	20	—	—
65500 2759 *P–L*	16.5	X	202.26816	187.07872	176.54027	1.01521	0.1954512	0.25698483	2.4501785	20	3 28.2	20.5
65501 2766 *P–L*	16.0	X	208.35914	246.86962	41.06719	2.80573	0.2039224	0.27111250	2.3643024	20	—	—
65502 2856 *P–L*	14.1	X	43.86624	113.29897	25.78564	5.82780	0.1143235	0.17198665	3.2023802	20	3 20.1	18.1
65503 3028 *P–L*	14.6	X	297.18875	24.59178	287.55590	7.62228	0.1360824	0.21008255	2.8024813	20	5 8.0	18.4
65504 3544 *P–L*	15.1	X	319.97957	49.85922	268.65381	5.77741	0.1378871	0.26047757	2.4282263	20	6 26.9	17.5
65505 4085 *P–L*	15.1	X	266.71295	90.86481	203.01277	12.02806	0.1899152	0.22450771	2.6811136	20	2 28.9	19.5
65506 4102 *P–L*	16.2	X	311.70290	74.86209	337.70705	4.14251	0.1794106	0.26353050	2.4094364	20	11 3.1	18.2
65507 4151 *P–L*	16.0	X	0.76434	199.96192	187.98312	5.92445	0.1400162	0.29815648	2.2190813	20	—	—
65508 4179 *P–L*	14.8	X	313.15071	3.60665	300.11967	3.78563	0.1403821	0.17811485	3.1284986	20	5 22.1	18.7
65509 4186 *P–L*	15.7	X	340.25135	113.63902	213.12869	2.00985	0.1816760	0.24573659	2.5243884	20	8 18.6	17.9
65510 4241 *P–L*	14.6	X	30.19481	87.45183	205.74210	11.57372	0.0229864	0.19635775	2.9315953	20	9 4.1	18.8
65511 4243 *P–L*	14.1	X	351.51705	37.07075	212.89920	8.92763	0.0394341	0.19258151	2.9697940	20	5 19.9	18.1
65512 4246 *P–L*	14.5	X	92.91296	259.35352	205.23791	4.07919	0.1234355	0.17310285	3.1885990	20	4 13.0	18.9
65513 4258 *P–L*	15.6	X	293.42046	133.43268	340.14134	6.26239	0.0550316	0.26588930	2.3951652	20	—	—
65514 4270 *P–L*	15.4	X	357.08138	180.53500	238.17216	1.97401	0.0983206	0.21660377	2.7459463	20	—	—
65515 4712 *P–L*	15.3	X	18.11056	330.55402	187.20767	1.84351	0.1525275	0.27170370	2.3608715	20	2 10.6	17.4
65516 4726 *P–L*	16.2	X	153.21195	133.22772	207.31636	1.46947	0.2211571	0.27059984	2.3672876	20	1 17.8	19.8
65517 4759 *P–L*	15.6	X	293.96346	119.87762	197.69401	0.80382	0.1687023	0.17813599	3.1282511	20	5 8.9	19.9
65518 4838 *P–L*	15.7	X	96.45151	90.55744	22.14174	1.52735	0.1932252	0.28913841	2.2649860	20	5 2.8	18.3
65519 4853 *P–L*	16.2	X	325.51498	134.84390	169.05844	3.89049	0.1331413	0.29343478	2.2428230	20	6 16.7	18.1
65520 4857 *P–L*	16.4	X	176.24243	236.78097	36.49681	3.39238	0.2172392	0.26914071	2.3758360	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
65521 4894 *P–L*	15.3	*X*	2.54705	326.81034	11.22468	11.98501	0.0659239	0.19726780	2.9225722	20	10 2.0	18.9
65522 5570 *P–L*	13.9	*X*	146.36046	27.52777	38.48495	8.01214	0.1410232	0.17414711	3.1758394	20	4 25.5	18.9
65523 5578 *P–L*	15.0	*X*	314.82081	77.82617	190.33500	8.21789	0.2061017	0.22561041	2.6723702	20	3 25.3	18.1
65524 5585 *P–L*	15.2	*X*	344.32909	3.98716	19.72174	1.67321	0.0451668	0.19814571	2.9139333	20	11 2.3	19.0
65525 6052 *P–L*	14.9	*X*	180.31796	72.41093	347.21996	4.61127	0.3081682	0.24066945	2.5596981	20	5 17.7	19.7
65526 6075 *P–L*	16.3	*X*	91.71508	217.94355	192.99646	6.67421	0.1953694	0.28659036	2.2783914	20	1 27.2	18.7
65527 6099 *P–L*	15.2	*X*	302.62962	6.18906	352.26266	5.69140	0.1594367	0.24487003	2.5303404	20	7 23.2	17.9
65528 6118 *P–L*	14.4	*X*	226.78760	179.56467	183.97423	23.06786	0.1484576	0.17641065	3.1486147	20	4 26.7	19.6
65529 6200 *P–L*	15.9	*X*	131.67126	77.55088	239.40829	2.13909	0.1639722	0.23561634	2.5961659	20	—	—
65530 6216 *P–L*	16.1	*X*	327.41929	309.33728	335.65939	6.33895	0.1232521	0.27637827	2.3341752	20	5 18.9	18.6
65531 6296 *P–L*	14.5	*X*	82.36468	109.68942	335.13277	7.53562	0.0575673	0.17260855	3.1946836	20	2 26.4	18.9
65532 6389 *P–L*	15.0	*X*	9.74169	4.14235	3.64752	2.06164	0.0587701	0.19899237	2.9056620	20	11 18.3	18.7
65533 6592 *P–L*	14.5	*X*	157.25499	282.56974	107.68210	1.13721	0.1917906	0.17466552	3.1695524	20	3 27.4	19.7
65534 6711 *P–L*	15.3	*X*	336.82263	12.87435	0.83867	1.54552	0.1235793	0.19759411	2.9193537	20	10 10.6	18.5
65535 6773 *P–L*	15.8	*X*	222.90717	346.09091	90.83750	3.23818	0.1724899	0.26011648	2.4304730	20	7 21.6	19.3
65536 6826 *P–L*	14.5	*X*	327.58484	310.67346	44.51489	5.62448	0.1256164	0.19641084	2.9310670	20	9 1.5	17.9
65537 6855 *P–L*	16.0	*X*	138.28042	305.25539	149.40061	4.20726	0.1957342	0.24104568	2.5570339	20	5 26.5	20.1
65538 7561 *P–L*	15.1	*X*	216.82423	293.60862	12.90047	12.24849	0.2025955	0.22283084	2.6945475	20	2 8.0	19.8
65539 7562 *P–L*	14.6	*X*	321.01059	16.81847	20.46902	12.48347	0.1455424	0.19757987	2.9194939	20	10 14.1	17.8
65540 7628 *P–L*	14.5	*X*	340.51474	56.33982	15.28685	10.69782	0.2022138	0.26566939	2.3964868	20	—	—
65541 Kasbek	14.0	*X*	77.75270	332.60105	143.40312	6.49630	0.3457317	0.17187700	3.2037420	20	5 12.5	18.7
65542 1143 *T–1*	15.1	*X*	58.94938	11.97390	304.38296	3.33718	0.1556108	0.31046505	2.1600356	20	12 24.9	18.1
65543 1223 *T–1*	15.4	*X*	257.78304	268.21975	299.73887	3.16768	0.0561781	0.21587868	2.7520916	20	—	—
65544 2233 *T–1*	14.6	*X*	177.94909	280.39432	24.25173	4.97214	0.0870311	0.21644626	2.7472783	20	—	—
65545 2235 *T–1*	15.7	*X*	354.66700	132.68321	21.83583	6.49522	0.1376198	0.27903237	2.3193502	20	—	—
65546 3256 *T–1*	15.5	*X*	114.47799	147.74386	27.59126	2.60533	0.1646295	0.26641226	2.3920297	20	8 15.2	19.1
65547 3337 *T–1*	14.6	*X*	358.41099	278.91752	171.34465	4.60597	0.1115805	0.17595475	3.1540511	20	—	—
65548 4311 *T–1*	15.3	*X*	310.62433	312.66941	151.21300	5.58670	0.2138966	0.23443527	2.6048782	20	—	—
65549 4869 *T–1*	14.1	*X*	208.68498	228.16932	35.01516	12.64543	0.1297661	0.21520268	2.7578519	20	—	—
65550 1062 *T–2*	16.4	*X*	318.62005	53.78115	354.84529	2.83957	0.1555402	0.27415039	2.3468039	20	11 17.6	18.2
65551 1206 *T–2*	15.7	*X*	126.28810	213.05071	174.56579	5.29584	0.1817532	0.21972138	2.7199098	20	2 19.1	19.8
65552 1261 *T–2*	16.2	*X*	101.26135	302.10980	32.22947	0.78855	0.1481699	0.32137280	2.1108788	20	—	—
65553 1297 *T–2*	16.0	*X*	79.23784	327.78584	9.63281	6.77597	0.1667747	0.29915965	2.2141177	20	—	—
65554 1350 *T–2*	14.9	*X*	1.52719	70.42496	216.92876	1.59023	0.1500077	0.18666057	3.0322686	20	7 26.2	18.3
65555 1464 *T–2*	15.6	*X*	167.54923	81.53111	187.80098	4.49392	0.1771014	0.23789358	2.5795715	20	—	—
65556 1541 *T–2*	16.0	*X*	127.71044	30.70475	250.07046	1.59977	0.1768307	0.25727212	2.4483541	20	—	—
65557 1606 *T–2*	14.3	*X*	250.94910	65.93578	327.61782	5.71765	0.1129361	0.18478483	3.0527542	20	6 29.9	18.9
65558 1611 *T–2*	16.1	*X*	253.65934	328.60575	320.96978	3.31192	0.1487154	0.28611351	2.2809222	20	2 11.4	19.2
65559 2065 *T–2*	16.2	*X*	192.17535	355.39964	358.40784	3.95432	0.2114162	0.28543512	2.2845348	20	3 6.4	19.9
65560 2175 *T–2*	15.0	*X*	269.24180	327.01779	359.73087	12.77485	0.0847411	0.18301574	3.0723952	20	4 26.7	19.6
65561 2195 *T–2*	16.3	*X*	298.02754	205.11268	174.18883	2.26293	0.1388950	0.29245052	2.2478523	20	8 23.6	18.2
65562 2219 *T–2*	15.5	*X*	83.65703	347.68382	316.78024	2.08975	0.1996113	0.25587801	2.4572390	20	12 26.4	19.5
65563 2238 *T–2*	14.4	*X*	42.06244	87.15668	6.57608	8.42914	0.1273736	0.17605564	3.1528459	20	1 21.2	18.3
65564 2264 *T–2*	13.9	*X*	159.92904	86.75724	5.12257	9.67453	0.0620521	0.18252372	3.0779142	20	6 3.7	18.6
65565 2300 *T–2*	15.7	*X*	116.31239	185.57312	187.86974	9.32191	0.1839084	0.21826546	2.7319917	20	1 21.3	19.8
65566 3022 *T–2*	14.6	*X*	188.88313	233.43585	170.36505	11.39166	0.1613586	0.18239282	3.0793866	20	5 10.2	19.8
65567 3039 *T–2*	16.2	*X*	88.16116	183.43427	149.75513	4.93382	0.1394470	0.23617336	2.5920822	20	—	—
65568 3105 *T–2*	15.7	*X*	137.61048	174.29967	141.84483	3.43914	0.0278901	0.21666974	2.7453889	20	—	—
65569 3127 *T–2*	15.7	*X*	181.12541	279.11801	28.87699	2.85464	0.1527753	0.21925488	2.7237665	20	1 6.3	20.0
65570 3139 *T–2*	15.7	*X*	345.62654	13.69225	15.62464	7.56045	0.0427016	0.21190396	2.7863992	20	11 12.6	19.4
65571 3165 *T–2*	14.8	*X*	353.08020	234.01144	25.87245	8.01766	0.0173839	0.18371641	3.0645785	20	6 2.5	19.0
65572 3173 *T–2*	16.2	*X*	108.77902	45.14656	32.28661	6.10575	0.1263829	0.28461890	2.2889004	20	3 22.9	18.9
65573 3203 *T–2*	15.4	*X*	220.16218	315.90454	26.25512	7.05707	0.1393407	0.28662632	2.2782008	20	3 18.9	18.8
65574 3229 *T–2*	15.9	*X*	145.61556	318.81587	61.03198	2.06564	0.1970996	0.26268486	2.4146046	20	2 28.2	19.6
65575 3245 *T–2*	15.0	*X*	236.42602	335.83472	18.66316	10.95083	0.1312912	0.18303597	3.0721689	20	4 22.2	19.7
65576 3277 *T–2*	15.6	*X*	213.08998	290.25892	31.89390	5.86956	0.1679683	0.28532578	2.2851184	20	2 15.9	19.2
65577 3324 *T–2*	14.8	*X*	265.49963	347.00256	6.03822	10.37545	0.0889408	0.18440880	3.0569028	20	5 26.8	19.3
65578 4137 *T–2*	15.0	*X*	136.77289	264.20378	152.14765	6.28445	0.0718118	0.20093562	2.8868979	20	3 28.8	19.2
65579 4173 *T–2*	15.9	*X*	325.71888	106.82731	159.20824	6.41945	0.1036856	0.28853984	2.2681174	20	4 23.3	18.2
65580 4181 *T–2*	14.6	*X*	247.87137	287.00484	22.26125	11.02191	0.0342271	0.18050148	3.1008604	20	3 24.2	19.0
65581 4275 *T–2*	16.2	*X*	180.95226	155.18045	158.15825	6.91355	0.1700389	0.28285543	2.2984040	20	1 4.2	19.7
65582 4362 *T–2*	14.7	*X*	14.52695	91.64202	33.38813	5.29311	0.1331875	0.17607461	3.1526195	20	1 14.0	18.4
65583 Theoklymenos	12.7	*X*	260.88317	46.77436	51.34985	8.11292	0.0887806	0.08279584	5.2135118	20	9 24.5	19.7
65584 5051 *T–2*	15.8	*X*	50.29179	68.99815	328.13544	11.15173	0.2859532	0.23639223	2.5904820	20	—	—
65585 5064 *T–2*	14.6	*X*	242.54771	10.75134	329.72087	13.25447	0.1418418	0.18265099	3.0764843	20	4 5.9	19.6
65586 5160 *T–2*	14.7	*X*	30.96355	89.89773	251.00963	5.78918	0.1718408	0.21196004	2.7859076	20	12 2.9	18.3
65587 1033 *T–3*	14.3	*X*	298.36456	311.86513	350.69434	16.37531	0.0902397	0.17709894	3.1404514	20	4 30.0	18.9
65588 1086 *T–3*	16.3	*X*	96.65737	117.49755	234.37244	9.69052	0.2784373	0.23623020	2.5916665	20	—	—
65589 1122 *T–3*	14.1	*X*	261.32261	48.88341	254.31156	8.29065	0.0592901	0.17444997	3.1721627	20	3 23.7	18.8
65590 Archeptolemos	11.9	*X*	344.26615	309.57480	275.61119	8.03642	0.0313118	0.08284815	5.2113173	20	4 10.8	18.8
65591 2147 *T–3*	15.2	*X*	28.60510	135.57930	213.62185	9.38863	0.1158734	0.25473272	2.4645988	20	12 12.9	18.4
65592 2155 *T–3*	14.4	*X*	16.69874	284.90825	236.06359	6.28784	0.0925335	0.17096332	3.2151465	20	2 29.2	18.6
65593 2375 *T–3*	15.0	*X*	26.55102	335.68464	3.84175	3.95299	0.1868034	0.25436248	2.4669898	20	12 7.5	18.0
65594 2396 *T–3*	15.4	*X*	333.76801	281.34067	338.55146	3.92899	0.0879225	0.24541977	2.5265604	20	4 28.3	18.4
65595 2430 *T–3*	13.6	*X*	326.15029	140.34912	207.46791	15.45497	0.1121469	0.18081400	3.0972862	20	8 10.2	17.7
65596 3033 *T–3*	14.5	*X*	65.00849	166.93343	201.37042	8.95522	0.1654932	0.21152207	2.7897519	20	—	—
65597 3047 *T–3*	15.1	*X*	77.21890	330.48712	42.81355	6.29082	0.1314468	0.25889093	2.4381373	20	—	—
65598 3059 *T–3*	16.5	*X*	103.27479	256.62452	203.19166	5.84321	0.0639520	0.28867858	2.2673906	20	4 2.8	19.0
65599 3079 *T–3*	14.9	*X*	65.06317	192.10664	192.68111	8.08831	0.2267521	0.21241961	2.7818880	20	—	—
65600 3121 *T–3*	14.5	*X*	242.18898	317.71752	28.38202	10.09615	0.1266993	0.17628337	3.1501301	20	4 19.9	19.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
65601 3159 *T–3*	15.3	*X*	359.77234	308.90855	72.10169	2.98803	0.0545741	0.20819663	2.8193798	20	11 23.8	18.9
65602 3192 *T–3*	15.7	*X*	61.00278	293.75058	165.87229	3.91787	0.2422587	0.28492859	2.2872416	20	2 20.7	17.3
65603 3229 *T–3*	16.1	*X*	74.35166	343.27388	51.36590	2.43476	0.2256536	0.23666259	2.5885088	20	—	—
65604 3235 *T–3*	15.9	*X*	104.81012	71.98012	203.25885	5.89286	0.1080354	0.25505192	2.4625420	20	12 5.5	19.6
65605 3245 *T–3*	15.8	*X*	292.65551	10.68664	52.08043	3.49783	0.2071840	0.27493005	2.3423650	20	10 10.4	17.5
65606 3315 *T–3*	14.9	*X*	254.63061	28.95878	74.96459	2.92070	0.0615066	0.20642826	2.8354584	20	10 13.8	18.7
65607 3360 *T–3*	15.2	*X*	256.73881	178.35656	169.49195	0.21060	0.2137669	0.17795059	3.1304235	20	4 28.1	20.1
65608 3441 *T–3*	16.6	*X*	266.44097	287.07750	31.54354	1.59478	0.1680734	0.29176428	2.2513757	20	3 31.8	19.8
65609 3445 *T–3*	17.2	*X*	256.80157	132.03008	176.40465	2.44873	0.2035150	0.31393447	2.1440918	20	3 2.5	20.1
65610 3470 *T–3*	14.3	*X*	191.45384	276.50462	24.18492	13.88691	0.1949149	0.21659785	2.7459963	20	1 10.3	19.2
65611 3498 *T–3*	14.9	*X*	272.02829	232.15052	150.86035	2.60641	0.1000026	0.20232508	2.8736656	20	7 14.7	18.8
65612 3564 *T–3*	14.8	*X*	3.80902	123.48831	183.41576	9.78990	0.0924810	0.18127034	3.0920859	20	8 20.5	18.7
65613 3923 *T–3*	15.4	*X*	344.43356	84.76331	30.46253	5.05480	0.0220771	0.21294706	2.7772924	20	—	—
65614 4096 *T–3*	15.1	*X*	198.10368	90.67405	159.33218	4.53813	0.0530520	0.21275676	2.7789483	20	—	—
65615 4163 *T–3*	16.0	*X*	207.75281	272.61038	59.52778	7.05994	0.1484940	0.26545548	2.3977740	20	2 26.4	19.8
65616 4165 *T–3*	15.5	*X*	329.17348	235.91745	58.90467	8.07848	0.1811188	0.29449282	2.2374478	20	6 1.5	16.9
65617 4172 *T–3*	15.2	*X*	150.83953	312.46002	37.06237	10.15902	0.1817840	0.21641814	2.7475163	20	2 2.3	19.7
65618 4217 *T–3*	15.4	*X*	174.13341	30.07269	52.30804	6.59890	0.0573089	0.29217214	2.2492800	20	6 10.1	18.2
65619 4218 *T–3*	16.0	*X*	328.01241	303.15278	135.81742	3.44527	0.2088215	0.27805693	2.3247713	20	—	—
65620 4238 *T–3*	15.5	*X*	183.50260	144.93619	131.22570	5.24655	0.0263942	0.21332580	2.7740043	20	—	—
65621 4247 *T–3*	14.2	*X*	315.46937	261.20216	34.26470	22.60310	0.0881668	0.17767410	3.1336703	20	5 17.1	18.5
65622 4287 *T–3*	14.6	*X*	219.05253	201.14241	50.35089	11.25883	0.2457348	0.21515770	2.7582362	20	—	—
65623 4297 *T–3*	15.1	*X*	137.46147	288.76232	168.94099	6.44347	0.1283067	0.29027941	2.2590468	20	5 24.6	18.3
65624 4347 *T–3*	15.2	*X*	99.81506	217.95880	160.93291	4.72820	0.0876434	0.21428496	2.7657203	20	—	—
65625 4377 *T–3*	15.1	*X*	323.74577	202.21358	69.99691	6.94052	0.1222249	0.29214791	2.2494043	20	4 26.2	17.3
65626 5052 *T–3*	15.0	*X*	330.83085	267.40793	68.36295	8.59603	0.2146058	0.25066048	2.4912203	20	8 15.2	17.0
65627 5090 *T–3*	14.8	*X*	321.99901	76.40807	80.90437	9.97550	0.0988719	0.21403634	2.7678616	20	—	—
65628 5098 *T–3*	16.2	*X*	327.81673	221.04830	115.03644	6.20701	0.1878560	0.29644281	2.2276251	20	8 15.5	17.4
65629 5118 *T–3*	15.8	*X*	331.14498	213.58645	98.90879	8.45608	0.1845339	0.29551160	2.2323024	20	7 9.4	17.3
65630 5134 *T–3*	16.0	*X*	87.65018	290.34485	135.34765	6.49900	0.1534462	0.28529249	2.2852961	20	2 6.2	18.2
65631 5143 *T–3*	15.2	*X*	240.03614	273.68027	162.14294	15.13718	0.1328457	0.20275751	2.8695783	20	8 6.9	19.6
65632 5177 *T–3*	14.7	*X*	308.02812	244.70892	143.03106	11.43985	0.1448904	0.20489144	2.8496192	20	9 10.9	17.9
65633 5291 *T–3*	13.9	*X*	334.95717	177.21901	55.09979	15.28247	0.1448115	0.17395531	3.1781734	20	4 1.2	18.0
65634 5644 *T–3*	14.5	*X*	346.47042	106.18932	151.47580	11.25602	0.1505487	0.17774064	3.1328881	20	5 19.8	18.3
65635 1977 EA_8	14.7	*X*	159.94914	201.34323	355.31320	15.11415	0.0543594	0.23945539	2.5683427	20	10 17.7	18.6
65636 1979 ME_1	16.0	*X*	309.42883	85.83672	271.15327	5.20174	0.1272228	0.28914787	2.2649366	20	8 9.4	17.9
65637 Tsniimash	14.3	*X*	78.25527	288.70696	53.87001	21.99525	0.1060408	0.36558006	1.9370807	20	—	—
65638 1981 DN_1	13.8	*X*	37.52710	53.55687	306.90578	9.92422	0.2026215	0.24098652	2.5574523	20	—	—
65639 1981 DS_2	14.1	*X*	24.50373	27.95463	290.53234	10.37158	0.0778569	0.23719623	2.5846249	20	10 11.3	17.5
65640 1981 DY_2	14.7	*X*	331.52828	97.97256	336.60059	21.82161	0.1332542	0.24275587	2.5450103	20	—	—
65641 1981 DR_3	14.8	*X*	341.47383	107.80855	286.57746	8.14216	0.1827477	0.24080246	2.5587554	20	12 4.3	17.3
65642 1981 ES_2	15.8	*X*	117.91241	243.75110	276.46164	7.22770	0.0465401	0.28352059	2.2948078	20	7 17.2	18.7
65643 1981 EH_{12}	16.2	*X*	245.23194	348.41466	260.90413	4.25336	0.1650523	0.27210589	2.3585446	20	—	—
65644 1981 EO_{12}	16.0	*X*	299.60041	256.24418	215.33004	6.13323	0.0709102	0.26816495	2.3815957	20	—	—
65645 1981 EG_{13}	15.4	*X*	96.81126	210.63164	311.55704	6.35943	0.0514631	0.28202347	2.3029219	20	6 22.4	18.2
65646 1981 EE_{17}	16.0	*X*	197.30282	21.54888	175.38772	27.91560	0.1349000	0.36690908	1.9324002	20	12 27.7	18.9
65647 1981 EZ_{28}	14.3	*X*	325.13554	355.10463	342.00199	26.01335	0.1500659	0.28462383	2.2888740	20	8 18.6	16.4
65648 1981 ES_{32}	15.7	*X*	238.65867	98.17913	303.20749	7.04862	0.1150716	0.28401411	2.2921486	20	6 28.7	18.8
65649 1981 ES_{33}	15.1	*X*	71.98271	13.69640	319.46233	6.50118	0.1624769	0.24158117	2.5532538	20	—	—
65650 1981 EP_{35}	15.4	*X*	130.07966	151.79164	162.70263	6.79795	0.1523401	0.26921065	2.3754244	20	—	—
65651 1981 EV_{35}	14.4	*X*	123.77447	315.70588	356.02621	16.98070	0.1980931	0.19235851	2.9720888	20	—	—
65652 1981 ED_{41}	16.1	*X*	255.67470	85.07293	166.34154	2.45792	0.1949688	0.27289654	2.3539868	20	—	—
65653 1981 EP_{44}	16.4	*X*	350.42536	63.21806	178.71826	5.95148	0.1124204	0.27982209	2.3149843	20	4 30.5	18.6
65654 1981 ES_{47}	15.6	*X*	261.85899	319.04547	53.83131	2.41720	0.1528883	0.28338010	2.2955662	20	6 11.8	18.3
65655 1981 EV_{47}	15.4	*X*	277.57151	97.21018	177.93937	12.34723	0.1779846	0.22555082	2.6728409	20	2 19.5	19.6
65656 1981 RR_1	15.5	*X*	220.11708	193.55239	159.45111	10.51495	0.3125397	0.21990084	2.7184298	20	3 29.9	20.5
65657 Hube	14.5	*X*	270.88509	155.14431	182.25991	11.61361	0.2753546	0.22963944	2.6410202	20	4 22.3	18.6
65658 Gurnikovskaya	15.2	*X*	297.45784	35.90877	340.48692	3.90036	0.2888580	0.23032228	2.6357978	20	7 15.5	18.0
65659 1983 *XE*	14.3	*X*	34.85000	192.98128	237.33554	6.26633	0.1833816	0.24584903	2.5236186	20	—	—
65660 1985 PM_1	15.1	*X*	227.94754	189.72976	162.28263	17.22179	0.3283340	0.21745401	2.7387839	20	4 3.3	20.2
65661 1985 VB_1	13.9	*X*	115.65929	188.67620	135.48528	25.66411	0.2313303	0.17723032	3.1388991	20	—	—
65662 1986 QD_1	15.5	*X*	254.43340	263.78427	133.21428	8.52921	0.1999826	0.28667151	2.2779614	20	6 30.1	18.5
65663 1986 QC_3	14.5	*X*	323.83563	58.08635	355.83360	7.62947	0.0923299	0.29450208	2.2374009	20	12 9.9	16.8
65664 1986 RE_5	14.6	*X*	28.89676	344.28862	343.61813	10.50497	0.1643917	0.23606517	2.5928741	20	11 14.1	18.1
65665 1986 RP_5	13.5	*X*	305.88806	15.15247	14.24407	14.15608	0.2190544	0.17165167	3.2065451	20	8 29.2	17.4
65666 1987 *RU*	15.4	*X*	110.96308	179.78339	153.16673	2.52301	0.1831113	0.30983283	2.1629730	20	—	—
65667 1987 SM_5	13.6	*X*	47.36475	20.22272	8.69861	15.14783	0.2020117	0.18590729	3.0404540	20	—	—
65668 1988 AX_1	13.2	*X*	270.67649	161.78723	307.11685	12.97805	0.1543326	0.23557431	2.5964747	20	10 27.4	16.7
65669 1988 CJ_4	14.3	*X*	104.27881	227.52847	297.55118	13.42799	0.1412788	0.22297544	2.6933825	20	7 15.8	18.2
65670 1988 CS_5	14.8	*X*	301.83603	97.42322	300.20948	10.25915	0.1910647	0.23116674	2.6293747	20	9 5.2	17.7
65671 1988 DE_3	14.6	*X*	196.80394	146.42950	295.67533	10.26782	0.1607655	0.22538882	2.6741215	20	7 1.9	18.8
65672 Merrick	15.7	*X*	231.22647	147.76190	160.00812	24.30827	0.2720791	0.26727138	2.3869010	20	2 9.1	20.1
65673 1988 RH_4	14.9	*X*	172.87117	306.05831	354.59888	6.96067	0.2550698	0.26176115	2.4202817	20	—	—
65674 1988 *SM*	18.1	*X*	290.42738	313.26608	0.87993	10.94942	0.3441517	0.45893079	1.6645797	20	3 18.6	19.9
65675 Mohr–Gruber	13.9	*X*	144.50350	72.33077	102.38121	2.69916	0.1334298	0.17428999	3.1741036	20	9 3.3	18.9
65676 1989 CC_3	13.3	*X*	327.85390	89.24016	286.48048	14.30980	0.2386960	0.17667010	3.1455313	20	9 7.9	16.9
65677 1989 EB_1	12.6	*X*	226.97624	165.35239	329.62711	17.08557	0.1037627	0.17775831	3.1326805	20	9 29.7	17.5
65678 1989 SU_2	16.2	*X*	293.59225	265.95048	84.48242	3.42230	0.1873201	0.28183181	2.3039659	20	6 20.2	18.2
65679 1989 *UQ*	19.5	*X*	193.51932	14.99730	178.10645	1.30267	0.2645236	1.12657673	0.9147355	20	—	—
65680 1990 EH_1	14.0	*X*	35.88016	278.00674	314.90693	8.49738	0.1299300	0.23579171	2.5948785	20	7 14.3	16.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
65681 1990 EO_1	15.3	X	143.41376	231.00255	319.92771	10.13250	0.1933324	0.24243918	2.5472262	20	9 24.5	19.7
65682 1990 QU_2	15.9	X	17.86490	177.21266	164.25245	7.60711	0.2475207	0.29973637	2.2112767	20	12 20.6	18.6
65683 1990 QW_5	13.9	X	358.51194	36.83445	332.94238	14.05011	0.1085211	0.23421544	2.6065079	20	11 14.1	17.3
65684 1990 QY_5	13.9	X	264.06060	26.04444	332.43739	12.54789	0.1888053	0.22450460	2.6811383	20	5 16.7	18.1
65685 Behring	15.5	X	187.94058	105.01139	308.94201	4.02425	0.1095824	0.21962707	2.7206884	20	5 17.9	19.8
65686 1990 TN_8	14.0	X	214.43257	167.79306	186.64534	4.22638	0.2153639	0.18562460	3.0435402	20	3 30.3	19.2
65687 1990 VO_1	15.0	X	47.70105	196.10681	235.51224	1.69286	0.2277099	0.27247723	2.3564012	20	—	—
65688 1990 VD_8	15.0	X	272.34155	86.01765	289.55487	3.44082	0.2785437	0.22372508	2.6873626	20	6 9.5	19.0
65689 1990 WM_4	15.6	X	337.50448	238.15975	118.76498	5.32577	0.1743774	0.29374488	2.2412442	20	10 19.4	17.2
65690 1991 DG	19.0	X	7.90512	63.33477	180.13294	11.14296	0.3632474	0.57766605	1.4278573	20	2 20.1*	18.4
65691 1991 PT_{10}	15.0	X	32.64176	68.62255	281.77959	3.10260	0.2614021	0.24328943	2.5412880	20	—	—
65692 Trifu	15.7	X	50.80075	353.16263	328.02097	6.28410	0.1946306	0.24275428	2.5450215	20	12 11.7	19.4
65693 1991 RO_{11}	13.0	X	350.23182	34.56965	321.77040	22.43279	0.1181728	0.17319692	3.1874443	20	9 22.5	17.3
65694 Franzrosenzweig	16.2	X	40.16175	240.37967	153.01847	2.71832	0.1820094	0.28077403	2.3097489	20	—	—
65695 1991 SC_3	15.8	X	259.35372	199.50508	194.09681	6.55112	0.1142673	0.26609135	2.3939526	20	7 12.5	18.9
65696 Pierrehenry	15.2	X	74.21431	300.40836	43.86556	9.10734	0.1156861	0.20932482	2.8092404	20	—	—
65697 Paulandrew	15.6	X	287.73328	146.18590	196.66291	2.67273	0.1425854	0.23002654	2.6380565	20	6 6.7	19.0
65698 Emmarochelle	16.0	X	290.07940	258.03993	180.54391	5.38944	0.3409781	0.23688779	2.5868680	20	9 23.0	18.3
65699 1991 VY_5	15.0	X	21.60161	294.85086	117.94798	4.83452	0.2267912	0.24388868	2.5371236	20	—	—
65700 1991 VW_6	15.2	X	194.91932	217.21397	194.53696	9.61314	0.1420884	0.26007219	2.4307489	20	5 23.6	19.0
65701 1992 BY_1	13.9	X	2.24354	195.72367	242.87924	6.76940	0.1834092	0.17192718	3.2031186	20	—	—
65702 1992 EK_4	15.8	X	290.41566	58.22207	148.98471	11.73837	0.1282503	0.27614173	2.3355080	20	—	—
65703 1992 EY_4	14.6	X	2.11463	7.86199	144.84125	9.98261	0.0401806	0.17426752	3.1743763	20	2 1.7	18.8
65704 1992 ED_{16}	14.7	X	207.11721	59.91666	182.62822	3.07540	0.1450212	0.20058774	2.8902348	20	—	—
65705 1992 GH_3	13.7	X	126.53247	103.92342	216.01303	11.36915	0.1795578	0.23089285	2.6314536	20	—	—
65706 1992 NA	16.4	X	172.19489	8.69010	349.18087	9.63881	0.5555156	0.26556349	2.3971238	20	3 7.9	21.6
65707 1992 PY_1	14.9	X	235.06782	32.97683	304.83700	6.29881	0.1389373	0.27266961	2.3552927	20	3 23.9	18.5
65708 Ehrlich	15.7	X	171.10620	357.12948	2.23529	2.79818	0.1902899	0.26605005	2.3942003	20	2 25.2	19.4
65709 1992 RP_1	14.6	X	341.66132	154.52970	181.33782	3.10926	0.2374059	0.17484603	3.1673705	20	8 21.7	17.5
65710 1992 RT_1	15.8	X	172.11378	165.44750	195.21946	2.00906	0.1912840	0.26705253	2.3882049	20	2 26.4	19.6
65711 1992 RJ_2	15.9	X	182.43047	81.73333	252.68219	1.20586	0.2102329	0.26623140	2.3931130	20	2 4.5	19.8
65712 Schneidmüller	14.3	X	20.81443	147.23522	181.53331	10.31684	0.2243727	0.17750830	3.1356213	20	11 4.4	18.1
65713 1992 UQ_1	14.7	X	146.22260	55.71177	30.68760	7.31703	0.1821996	0.26849768	2.3796278	20	5 19.9	18.5
65714 1992 VR	15.2	X	47.24337	219.56128	179.49629	1.74881	0.1607702	0.25450027	2.4660993	20	—	—
65715 1992 WV_1	15.2	X	157.48770	13.69208	58.18246	3.66955	0.1895957	0.26747500	2.3856895	20	5 13.5	18.9
65716 Ohkinohama	15.2	X	67.87175	115.85129	307.03724	9.69533	0.1914417	0.25446864	2.4663036	20	1 11.0	17.5
65717 1993 BX_3	20.8	X	227.83839	290.05736	175.51975	2.79104	0.2808351	0.59825611	1.3949050	20	11 3.1	18.1
65718 1993 FL	16.5	X	17.62139	14.63628	234.97517	0.04952	0.1991575	0.29630852	2.2282981	20	7 19.7	18.0
65719 1993 FY_{17}	15.7	X	21.09269	295.20036	134.43293	7.03082	0.0790591	0.28103792	2.3083027	20	—	—
65720 1993 FN_{19}	16.0	X	118.18829	119.42148	100.67783	5.37069	0.0906472	0.30471221	2.1871378	20	10 19.8	18.9
65721 1993 FV_{28}	16.5	X	201.70602	358.32557	236.59220	2.87363	0.1357013	0.31407236	2.1434642	20	—	—
65722 1993 FY_{35}	14.2	X	276.38021	72.01367	17.32279	13.89568	0.1344573	0.23673518	2.5879796	20	10 17.8	17.3
65723 1993 FO_{45}	16.2	X	30.88723	226.87485	25.33457	2.18705	0.1390323	0.29846051	2.2175740	20	8 12.2	18.1
65724 1993 FV_{46}	15.2	X	134.33992	353.31655	179.46860	7.22975	0.0543195	0.19372174	2.9581292	20	8 16.7	19.6
65725 1993 FB_{52}	15.3	X	231.11794	313.61186	159.17268	8.05872	0.1559131	0.23558708	2.5963809	20	9 16.4	19.1
65726 1993 FL_{60}	14.7	X	21.16955	252.98070	181.46561	15.86528	0.1131052	0.17345189	3.1843199	20	—	—
65727 1993 FY_{70}	14.1	X	81.75742	248.04855	1.18735	17.13876	0.0822609	0.15838760	3.3831553	20	9 21.4	18.9
65728 1993 FD_{84}	15.5	X	304.73466	157.93077	189.09255	14.81917	0.1439450	0.22746534	2.6578221	20	7 7.1	19.0
65729 1993 JQ	15.3	X	288.99543	335.51546	249.62492	7.88358	0.2210268	0.21048302	2.7989255	20	—	—
65730 1993 LP_1	15.0	X	208.90964	351.48925	280.05072	14.49540	0.1294777	0.24356347	2.5393815	20	—	—
65731 1993 OH_6	15.7	X	145.77612	285.65869	121.76099	5.07371	0.1133210	0.28158114	2.3053331	20	3 26.6	18.8
65732 1993 OJ_{10}	14.7	X	180.39107	42.36329	296.04619	14.11882	0.1548393	0.20498366	2.8487645	20	2 8.5	19.5
65733 1993 PC	18.3	X	44.20795	168.51566	337.04306	4.15104	0.4741962	0.79527698	1.1537820	20	—	—
65734 1993 PU_4	14.5	X	94.48497	148.20480	170.67666	10.58026	0.1131964	0.19244852	2.9711620	20	—	—
65735 1993 QY_3	14.7	X	88.50945	207.09202	159.20616	10.57660	0.1009894	0.19493685	2.9458237	20	—	—
65736 1993 QH_7	15.9	X	20.25666	174.89396	145.19792	2.60583	0.1328729	0.29510215	2.2343668	20	11 4.8	18.3
65737 1993 RE_7	16.1	X	355.84339	319.30100	359.92329	6.85490	0.2296460	0.29214912	2.2493981	20	10 1.7	17.4
65738 1993 RE_9	16.7	X	353.22438	84.78115	191.67585	1.23505	0.1613117	0.28848938	2.2683818	20	7 1.1	18.0
65739 1993 SG_{13}	14.3	X	31.07949	200.49942	190.85463	9.66086	0.1057325	0.19021164	2.9944104	20	—	—
65740 1993 TO_{10}	15.0	X	23.27215	75.64035	242.19536	4.06790	0.0842055	0.18124710	3.0923502	20	10 2.9	19.1
65741 1993 TB_{14}	17.1	X	314.70562	307.06120	44.99404	1.87884	0.2057972	0.28959436	2.2626080	20	8 5.6	18.5
65742 1993 TY_{18}	16.5	X	344.61011	137.42181	185.49437	5.08098	0.2947151	0.29116631	2.2544571	20	9 14.6	17.0
65743 1993 TY_{19}	16.0	X	347.05154	257.13616	39.06316	5.55821	0.1789077	0.28817401	2.2700365	20	7 23.8	17.5
65744 1993 TR_{23}	14.6	X	99.44582	176.68010	28.80303	6.70147	0.0693901	0.28826272	2.2695708	20	9 2.9	17.5
65745 1993 TT_{31}	16.3	X	315.37753	194.95309	147.43159	2.74841	0.2022652	0.28856879	2.2679657	20	7 19.6	18.0
65746 1993 TX_{34}	14.9	X	347.13555	205.42880	93.23588	2.82588	0.1780750	0.17737195	3.1372280	20	7 13.5	18.1
65747 1993 TE_{38}	15.1	X	270.60240	333.15664	64.91986	6.70081	0.1709713	0.21333578	2.7739177	20	7 24.4	18.9
65748 1993 TS_{38}	15.2	X	124.10029	214.64452	171.47595	8.43236	0.1552655	0.27188371	2.3598293	20	2 4.3	18.3
65749 1993 TT_{38}	16.0	X	309.67272	181.74165	129.25459	5.67286	0.1813081	0.28517689	2.2859137	20	5 21.1	18.2
65750 1993 UV_2	15.9	X	349.92615	293.59858	106.26547	25.03581	0.0861639	0.37018934	1.9209679	20	—	—
65751 1994 BM_2	16.1	X	226.80742	337.72787	295.38283	5.11348	0.1158967	0.26329638	2.4108644	20	—	—
65752 1994 CY_{10}	15.0	X	76.27456	278.93132	125.94148	5.97908	0.1140998	0.26034288	2.4290638	20	—	—
65753 1994 CZ_{17}	15.8	X	161.25775	66.43600	142.45886	11.95216	0.0957023	0.24618140	2.5213466	20	11 12.7	19.8
65754 1994 CP_{18}	15.4	X	127.99374	259.72799	47.13670	4.42550	0.0694094	0.25321010	2.4744691	20	—	—
65755 1994 EW_3	15.6	X	255.71560	192.24774	192.51248	6.37335	0.1923130	0.27946342	2.3169646	20	6 15.5	18.8
65756 1994 EO_4	15.9	X	130.82484	132.29179	170.53316	5.19840	0.1345638	0.25223095	2.4808688	20	—	—
65757 1994 FV	15.8	X	12.00676	116.74396	340.63725	21.45004	0.1453844	0.36911491	1.9246938	20	—	—
65758 1994 PG_3	15.3	X	271.80976	114.26542	149.17400	9.61576	0.1154510	0.21413898	2.7669771	20	2 8.9	19.4
65759 1994 PA_4	15.5	X	245.78237	173.30762	179.23670	3.76089	0.0849746	0.21929521	2.7234325	20	5 5.9	19.4
65760 1994 PD_{21}	15.1	X	188.34610	201.30486	159.47518	9.76714	0.1690769	0.21305571	2.7763482	20	3 16.5	19.6

* The additional opposition: 9 21.2, $V = 18.4$

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
65761 1994 RA	15.2	X	133.37595	240.99779	175.93901	10.31719	0.1769881	0.21010620	2.8022711	20	4 4.4	19.5
65762 1994 RG	15.3	X	296.06277	138.51818	234.27881	2.65476	0.1989776	0.22557387	2.6726588	20	7 21.9	18.2
65763 1994 RC_{10}	16.1	X	215.39409	241.38579	210.97454	1.78763	0.1604145	0.26078569	2.4263133	20	8 3.4	19.7
65764 1994 TH_{15}	14.7	X	228.94311	184.10043	209.88131	10.32971	0.3572216	0.21750206	2.7383806	20	5 19.9	19.8
65765 1994 UR_{1}	15.0	X	284.07154	299.40295	51.74347	3.38670	0.1886851	0.25804498	2.4434630	20	6 5.1	18.0
65766 1994 WG_{1}	14.3	X	221.29065	311.22277	60.44072	10.10239	0.1752610	0.21254612	2.7807840	20	4 28.3	18.9
65767 1995 BZ_{11}	16.0	X	291.22980	213.48970	124.35854	4.18444	0.1780107	0.28595115	2.2817855	20	5 30.5	18.6
65768 1995 DR_{6}	14.4	X	26.16186	303.13383	40.12077	1.89827	0.2084279	0.17711318	3.1402830	20	11 25.9	18.5
65769 Mahalia	13.5	X	344.44054	150.93378	356.90531	19.42063	0.1931399	0.19241346	2.9715230	20	—	—
65770 1995 KF_{1}	15.2	X	258.31149	104.20682	94.81328	11.81300	0.0594547	0.22214521	2.7000890	20	—	—
65771 1995 KQ_{3}	16.0	X	72.11003	271.86174	218.78023	5.92654	0.0596151	0.27356321	2.3501609	20	3 31.6	18.8
65772 1995 MM_{1}	15.4	X	50.70022	337.06125	160.78257	11.38266	0.1601358	0.22534920	2.6744349	20	3 29.7	18.3
65773 1995 OQ_{2}	14.9	X	205.68614	154.33708	269.00483	9.34497	0.0785388	0.19227735	2.9729251	20	6 19.9	19.5
65774 1995 OW_{3}	15.1	X	126.29827	33.40667	193.30287	0.51487	0.0544092	0.20230427	2.8738627	20	10 16.9	19.4
65775 Reikotosa	15.8	X	25.17050	82.81544	232.72624	4.11474	0.2986176	0.23952819	2.5678223	20	11 18.6	18.8
65776 1995 SW_{3}	15.5	X	311.94003	16.05008	336.93637	6.73640	0.3392784	0.27369899	2.3493835	20	7 1.8	17.2
65777 1995 SW_{25}	15.8	X	338.02482	12.07572	357.56444	2.67685	0.2150168	0.23693860	2.5864981	20	10 21.1	17.8
65778 1995 SD_{33}	16.1	X	19.03341	292.59140	68.25708	0.19044	0.1616818	0.24267897	2.5455480	20	12 18.9	19.0
65779 1995 SV_{50}	16.0	X	270.77892	41.17866	350.74857	2.06645	0.2024695	0.27087752	2.3656695	20	7 13.8	18.8
65780 1995 TM_{1}	15.3	X	335.51719	203.29656	197.60781	17.97726	0.1570417	0.23975722	2.5661867	20	11 30.6	18.2
65781 1995 TT_{1}	15.4	X	277.67081	231.74758	7.41599	6.13330	0.1113421	0.29726003	2.2235405	20	1 5.7	18.4
65782 1995 UG	15.4	X	310.58928	142.15149	242.05375	3.72322	0.3144953	0.23421884	2.6064826	20	8 18.2	17.6
65783 1995 UK	16.2	X	3.76627	131.72187	238.69209	4.16178	0.2986869	0.23947303	2.5682166	20	12 29.9	18.9
65784 Naderayama	15.4	X	124.18215	339.88469	27.98238	4.97523	0.2884440	0.29241790	2.2480195	20	1 30.2	18.5
65785 Carlafracci	15.1	X	261.54316	86.13072	281.02305	5.27356	0.0558106	0.22479439	2.6788336	20	6 17.3	18.7
65786 1995 UV_{8}	14.1	X	343.36915	7.68611	68.44877	3.09346	0.2579746	0.24116609	2.5561827	20	—	—
65787 1995 UU_{14}	16.0	X	119.90148	223.15220	309.22443	1.54407	0.1372768	0.26753017	2.3853615	20	8 13.7	19.4
65788 1995 UJ_{20}	16.4	X	224.31198	185.10446	247.32717	1.43556	0.0958265	0.22935418	2.6432096	20	7 22.7	20.1
65789 1995 UB_{24}	16.4	X	353.17654	339.14975	346.28117	2.32556	0.0761820	0.23255976	2.6188643	20	9 6.7	19.5
65790 1995 UT_{25}	15.9	X	15.92063	197.34380	153.88827	2.77826	0.1468236	0.23999612	2.5644835	20	11 29.2	18.8
65791 1995 UE_{45}	13.8	X	292.53336	15.61014	48.35945	16.23362	0.1669690	0.23450634	2.6043519	20	10 12.6	16.7
65792 1995 WJ_{1}	15.2	X	13.40780	316.94478	34.41566	5.31807	0.2471340	0.23843790	2.5756441	20	12 9.9	18.1
65793 1995 WS_{3}	15.4	X	357.34030	68.97598	296.13139	2.92059	0.2507980	0.23809412	2.5781228	20	12 2.4	17.8
65794 1995 WG_{27}	15.1	X	140.81610	149.68185	284.01733	5.44934	0.2136646	0.21390719	2.7689756	20	5 1.5	19.7
65795 1995 WQ_{27}	15.7	X	47.42673	94.52277	14.52777	0.69371	0.1684448	0.17243161	3.1968687	20	2 20.5	19.5
65796 1995 XK_{1}	14.3	X	297.24092	116.80249	270.56209	11.62776	0.1845887	0.23006397	2.6377703	20	8 12.7	17.4
65797 1995 YL	14.8	X	88.17636	179.47910	274.87919	7.20953	0.1919664	0.21157047	2.7893265	20	3 28.7	18.7
65798 1995 YR_{6}	15.7	X	52.54604	58.79720	93.11252	3.10720	0.1332235	0.25576164	2.4579843	20	4 14.9	18.2
65799 1995 YB_{10}	14.7	X	251.87068	62.84553	282.61086	12.17202	0.1996925	0.21782455	2.7356771	20	4 15.1	19.3
65800 1995 YH_{25}	15.6	X	240.64935	316.56247	65.48051	7.10703	0.1303057	0.26554865	2.3972131	20	6 1.2	18.8
65801 1996 AJ_{7}	15.6	X	211.67701	208.30510	74.19769	3.10389	0.0251730	0.20340261	2.8635078	20	1 5.6	19.6
65802 1996 BA_{3}	14.8	X	161.88098	312.29573	113.69081	10.25898	0.1666321	0.21615974	2.7497054	20	5 13.4	19.4
65803 Didymos	18.0	X	311.57783	319.30194	73.20689	3.40783	0.3836383	0.46732915	1.6445767	20	—	—
65804 1996 HT_{6}	15.0	X	10.12062	201.38882	173.30871	10.22644	0.0373094	0.18455186	3.0553228	20	11 24.3	19.3
65805 1996 HO_{14}	15.1	X	203.02138	224.22435	46.96722	3.54987	0.1070395	0.23232718	2.6206119	20	—	—
65806 1996 HW_{18}	15.5	X	90.35517	232.45978	41.02629	3.36141	0.1557010	0.26013652	2.4303482	20	11 22.1	19.1
65807 1996 JT_{9}	15.5	X	290.10964	212.25016	172.49438	2.55683	0.0655009	0.21388506	2.7691666	20	8 17.8	19.1
65808 1996 LO_{1}	15.5	X	237.78346	73.31758	252.61524	20.74573	0.3252064	0.27831394	2.3233399	20	2 23.6	20.2
65809 1996 RW_{15}	16.5	X	309.78955	137.20225	179.02087	6.80322	0.1543248	0.28197822	2.3031683	20	6 2.7	18.8
65810 1996 RL_{26}	16.5	X	308.35876	62.73807	225.25369	5.36644	0.1394895	0.27950763	2.3167203	20	4 18.5	19.1
65811 1996 RW_{30}	12.6	X	269.72400	218.99826	233.11186	4.82187	0.0145010	0.08420145	5.1553285	20	10 2.4	19.4
65812 1996 SG_{7}	14.7	X	111.77391	234.59116	76.91749	2.41399	0.1456120	0.17534319	3.1613806	20	—	—
65813 1996 TT_{5}	15.1	X	259.24778	104.51499	279.12579	18.14948	0.1903852	0.28030332	2.3123339	20	6 19.1	18.3
65814 1996 TH_{8}	14.4	X	105.47396	71.48028	9.10198	22.17752	0.0464820	0.22902961	2.6457063	20	3 18.3	18.0
65815 1996 TB_{18}	15.9	X	158.33893	57.02889	241.29100	1.94125	0.1141430	0.25894143	2.4378203	20	—	—
65816 1996 TW_{28}	16.1	X	166.56353	240.66562	156.77045	6.66280	0.1170360	0.27094390	2.3652831	20	4 5.8	19.5
65817 1996 TC_{33}	16.0	X	307.82407	48.37104	248.53020	4.28458	0.2791849	0.28101327	2.3084377	20	4 4.9	18.6
65818 1996 TP_{39}	15.9	X	123.76957	266.23942	144.62510	2.82075	0.1821716	0.26827571	2.3809402	20	3 13.6	19.0
65819 1996 TE_{40}	14.8	X	108.68258	252.91017	106.93040	2.87129	0.1202307	0.17926751	3.1150737	20	—	—
65820 1996 TR_{40}	16.3	X	212.94461	232.17271	136.13290	3.57193	0.2414279	0.27501612	2.3418763	20	4 11.5	20.2
65821 De Curtis	13.6	X	340.93782	102.58445	301.91832	4.31754	0.2376373	0.12435748	3.9751614	20	11 6.9	18.0
65822 1996 VO_{5}	15.8	X	144.64027	230.21744	184.07506	2.67769	0.1858689	0.26899721	2.3766809	20	4 8.7	19.4
65823 1996 VO_{10}	16.0	X	159.85869	57.61734	267.75972	7.22943	0.1465269	0.26356636	2.4092178	20	—	—
65824 1996 VJ_{11}	15.5	X	259.01321	8.39501	291.79698	6.15459	0.1657787	0.27282084	2.3544222	20	2 27.7	19.1
65825 1996 VF_{19}	15.0	X	129.46206	109.09818	206.36744	8.33824	0.0666846	0.17437130	3.1731166	20	—	—
65826 1996 VA_{28}	14.3	X	41.19544	331.07837	85.40793	14.17702	0.0874758	0.17267190	3.1939022	20	—	—
65827 1996 VG_{32}	14.2	X	235.76574	204.83305	15.63153	10.95638	0.0613166	0.17262770	3.1944472	20	—	—
65828 1996 VZ_{37}	14.7	X	12.16738	329.87354	84.33819	1.04338	0.1964495	0.17150807	3.2083347	20	—	—
65829 1996 WS_{2}	15.7	X	264.51494	189.77707	205.76427	1.66866	0.2341359	0.28112880	2.3078052	20	7 5.2	18.6
65830 1996 XA	15.4	X	356.27399	69.32605	261.63526	3.83047	0.1604625	0.24351487	2.5397193	20	9 27.1	18.0
65831 1996 XQ_{4}	15.7	X	156.52989	337.16825	352.01724	5.93238	0.1292084	0.26136926	2.4227004	20	—	—
65832 1996 XN_{5}	15.0	X	154.23525	19.06403	68.51800	3.13457	0.1746332	0.26946781	2.3739129	20	5 30.1	18.8
65833 1996 XE_{6}	14.2	X	284.56197	185.61456	277.42448	12.91150	0.1136890	0.24435378	2.5339031	20	11 24.5	17.2
65834 1996 XK_{7}	15.1	X	230.19651	282.52625	152.91577	2.42979	0.1866671	0.27901905	2.3194240	20	7 26.4	18.4
65835 1996 XJ_{11}	16.1	X	225.99874	168.95387	141.56141	3.44560	0.1622003	0.26713672	2.3877031	20	2 12.6	19.7
65836 1996 XS_{15}	16.6	X	79.29081	236.31300	94.40600	24.71951	0.0358471	0.37304588	1.9111490	20	—	—
65837 1996 XX_{20}	15.8	X	170.19419	310.65643	65.88044	5.84926	0.2443649	0.26838948	2.3802672	20	3 21.2	19.9
65838 1996 XD_{26}	15.0	X	293.66059	349.71911	83.80941	5.66241	0.0926350	0.24222347	2.5487382	20	11 3.1	17.9
65839 1996 XV_{28}	16.0	X	200.65378	110.40952	261.93930	1.30558	0.2234087	0.27141038	2.3625722	20	4 5.0	19.9
65840 1997 AA_{4}	15.7	X	61.67453	122.52200	283.10535	2.21837	0.1887888	0.25321714	2.4744232	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
65841 1997 AD_9	15.5	X	338.62194	34.31918	301.59930	4.40008	0.0778741	0.23272722	2.6176079	20	8 26.9	18.6
65842 1997 AF_{14}	14.8	X	268.69740	339.67744	93.77858	10.97082	0.1805179	0.23770839	2.5809111	20	9 13.8	18.2
65843 1997 AR_{15}	15.2	X	319.61870	233.92638	326.51873	6.72257	0.2342929	0.21266606	2.7797384	20	1 3.3	18.9
65844 1997 AV_{15}	15.8	X	145.25006	92.73739	122.81986	23.80302	0.0696060	0.36422538	1.9418808	20	12 1.6	18.6
65845 1997 AK_{22}	14.6	X	318.42667	111.11153	119.17909	13.63469	0.1733489	0.21693128	2.7431818	20	2 18.3	18.1
65846 1997 BT_2	14.5	X	253.47174	133.51654	329.00337	12.35982	0.1475986	0.23793525	2.5792703	20	9 26.1	18.1
65847 1997 BH_6	15.7	X	317.85837	174.08154	155.69674	3.95587	0.1314584	0.22922057	2.6442367	20	7 8.7	18.7
65848 Enricomari	15.3	X	95.96483	92.16023	134.50416	11.61706	0.3913150	0.18652970	3.0336867	20	10 14.2	20.9
65849 1997 CF_9	15.2	X	132.77855	70.77732	333.29094	6.52881	0.2378588	0.26047960	2.4282137	20	3 18.5	19.0
65850 1997 CG_{28}	15.3	X	173.23414	159.32071	330.96770	3.19952	0.2259085	0.23043090	2.6349693	20	8 9.1	19.7
65851 1997 EM_2	15.0	X	52.50351	256.55978	303.99000	10.75702	0.0179218	0.22621185	2.6676314	20	6 6.4	18.7
65852 1997 EX_7	14.8	X	2.12502	52.22804	352.27423	3.91264	0.1406823	0.24188103	2.5511432	20	—	—
65853 1997 EV_{38}	15.1	X	341.78781	238.11598	301.68529	3.03874	0.1425391	0.21299735	2.7768553	20	1 21.4	18.5
65854 1997 EH_{46}	14.3	X	340.51966	25.12661	326.05733	12.56189	0.3193187	0.23515210	2.5995817	20	9 27.0	15.9
65855 1997 GQ_5	14.5	X	43.94872	226.06255	129.91935	10.80490	0.1760050	0.18805729	3.0172359	20	12 31.9	18.8
65856 1997 GX_{11}	15.2	X	316.39614	176.95279	200.43140	12.78646	0.1637543	0.22915026	2.6447775	20	9 9.3	17.9
65857 1997 GN_{17}	15.9	X	320.40904	242.21528	209.66774	5.93042	0.0553913	0.28163561	2.3050358	20	—	—
65858 1997 GL_{35}	15.9	X	201.20466	117.00729	152.30864	3.67982	0.1982640	0.24122400	2.5557735	20	—	—
65859 Mädler	13.3	X	17.87530	1.55363	153.85694	5.45591	0.1539791	0.12447181	3.9727269	20	3 6.1	18.0
65860 1997 HW_7	14.7	X	277.03730	121.99650	240.11270	2.45294	0.1883950	0.21864733	2.7288098	20	6 10.6	18.2
65861 1997 JK_4	15.5	X	134.45520	336.31519	25.65105	3.35417	0.1143153	0.24498489	2.5295495	20	1 17.4	19.0
65862 1997 JN_{11}	15.5	X	31.80947	46.28196	216.74608	3.09840	0.1106124	0.22098332	2.7095451	20	8 13.2	18.7
65863 1997 KW_1	15.0	X	110.50749	157.82310	167.77110	13.43204	0.0638609	0.19306777	2.9648054	20	—	—
65864 1997 OT	14.3	X	23.46930	353.97833	325.70524	7.52572	0.1086228	0.17460962	3.1702287	20	10 5.6	18.5
65865 1997 OQ_1	15.7	X	253.16503	7.91303	135.53120	13.35388	0.1222551	0.26842621	2.3800502	20	12 9.5	18.6
65866 1997 PA_4	12.8	X	309.52829	96.36602	307.49951	24.37397	0.2533348	0.17442009	3.1725249	20	9 1.4	16.7
65867 1997 QG_5	14.5	X	323.45586	38.09932	297.56502	5.40711	0.0534252	0.21084785	2.7956959	20	8 1.4	17.9
65868 1997 RR_5	15.5	X	94.46430	229.93373	187.59918	1.03477	0.0843941	0.18964035	3.0004212	20	2 9.7	19.7
65869 1997 SP_{17}	14.7	X	103.77558	184.65919	197.97145	7.09666	0.3043571	0.23073407	2.6326607	20	2 1.8	18.4
65870 1997 UK_9	15.4	X	218.53248	169.96610	224.08572	25.10259	0.2248208	0.28751112	2.2735244	20	5 17.8	19.1
65871 1997 UC_{22}	12.3	X	342.24890	49.27764	292.46453	17.65479	0.1447745	0.17085356	3.2165233	20	8 24.3	16.3
65872 1997 VQ_2	14.7	X	146.43634	17.61697	325.87019	11.79087	0.2062742	0.23454579	2.6040598	20	1 20.5	18.8
65873 1997 WD_7	14.9	X	97.70414	170.51057	298.25570	5.86143	0.0926393	0.27582483	2.3372965	20	4 10.4	17.9
65874 1997 WL_{13}	14.5	X	308.95808	174.17308	255.49282	7.06093	0.2045323	0.21310884	2.7758867	20	11 4.0	17.3
65875 1997 WY_{14}	15.3	X	343.04450	131.03868	40.77618	8.67286	0.1756585	0.23022362	2.6365507	20	1 4.9	18.4
65876 1997 WV_{28}	15.5	X	322.98035	201.02463	1.20087	4.20266	0.1492753	0.23374318	2.6100175	20	1 19.1	18.8
65877 1997 XK_1	14.7	X	303.35207	87.89766	11.19892	4.52569	0.0747817	0.30104495	2.2048641	20	—	—
65878 1997 XD_{10}	15.2	X	10.20538	283.94199	310.38139	6.91765	0.0665158	0.28100481	2.3084841	20	5 23.4	17.7
65879 1997 YC_2	15.3	X	278.02408	52.89456	102.92986	16.59132	0.1453553	0.21455486	2.7634004	20	—	—
65880 1997 YD_5	15.9	X	231.80022	213.88675	247.74241	3.98156	0.1175033	0.29280712	2.2460269	20	9 11.8	18.7
65881 1997 YO_5	15.8	X	184.66537	346.55737	116.71761	6.13508	0.1062239	0.28544127	2.2845020	20	7 21.8	18.8
65882 1997 YR_8	14.0	X	229.13235	299.81421	356.70422	9.17931	0.0650067	0.18324768	3.0698022	20	2 14.4	18.6
65883 1997 YX_{13}	15.1	X	189.25481	351.43013	122.63041	22.51632	0.0745611	0.24208474	2.5497119	20	8 10.2	18.8
65884 1997 YP_{15}	16.0	X	308.35191	271.33323	308.62428	1.90012	0.1330003	0.26931429	2.3748150	20	1 18.1	19.0
65885 Lubenow	16.2	X	46.09722	211.01434	310.69273	5.82446	0.0346567	0.27397738	2.3477918	20	3 31.5	19.1
65886 1998 AM	15.6	X	162.55721	135.95157	327.48683	3.92464	0.0928033	0.28144214	2.3060920	20	6 26.8	18.9
65887 1998 AW_6	14.7	X	298.06328	72.49228	81.58726	3.15321	0.1175152	0.26078793	2.4262994	20	—	—
65888 1998 BS_3	15.9	X	99.85761	185.65434	125.82087	1.11200	0.0566182	0.21083195	2.7958365	20	12 31.6	19.9
65889 1998 BB_4	15.0	X	62.30602	344.30648	138.01169	5.49254	0.1748385	0.27155296	2.3617451	20	3 24.6	17.2
65890 1998 BW_{23}	16.6	X	99.65487	209.94668	131.49355	3.02392	0.2027030	0.26009557	2.4306033	20	—	—
65891 1998 BQ_{24}	15.0	X	122.18834	100.73036	29.09041	3.31121	0.1289412	0.28060382	2.3106828	20	6 18.9	18.3
65892 1998 BH_{30}	15.1	X	53.60812	261.92281	289.81989	2.99770	0.1231100	0.23304300	2.6152428	20	6 11.4	18.0
65893 1998 BY_{33}	14.7	X	121.54802	22.06448	61.58974	5.87726	0.1606985	0.27408900	2.3471543	20	4 21.4	17.9
65894 Echizenmisaki	14.9	X	299.45524	233.30669	163.47594	1.34451	0.1235038	0.29033461	2.2587605	20	9 26.6	16.9
65895 1998 CP	15.7	X	227.36551	54.52114	328.21771	2.59904	0.1770509	0.28073345	2.3099714	20	5 13.4	19.1
65896 1998 CW_1	15.3	X	178.05222	334.59652	107.17677	6.57464	0.0629499	0.28046665	2.3114361	20	6 14.9	18.4
65897 1998 DQ_7	14.5	X	189.87194	162.78882	254.08451	5.57907	0.1830918	0.27868187	2.3212945	20	5 23.0	18.1
65898 1998 DG_9	14.7	X	352.69269	27.48999	143.91096	14.27716	0.1067182	0.22074907	2.7114616	20	1 29.5	18.0
65899 1998 DG_{12}	15.8	X	214.84457	192.68397	149.11737	7.55467	0.2071853	0.26768711	2.3844291	20	3 12.3	19.7
65900 1998 DV_{15}	15.0	X	99.78392	185.39800	211.11220	2.52234	0.0893936	0.26452333	2.4034037	20	1 8.6	17.8
65901 1998 DM_{16}	15.7	X	220.81917	109.83156	235.36203	5.15495	0.2117159	0.27549672	2.3391519	20	3 17.4	19.6
65902 1998 DW_{17}	16.2	X	189.29098	328.99112	47.36399	3.48510	0.2252876	0.27121268	2.3637201	20	4 2.6	20.1
65903 1998 DS_{25}	15.2	X	145.73460	242.10372	94.44880	2.42441	0.1924278	0.26136179	2.4227466	20	1 4.2	18.5
65904 1998 DL_{35}	15.6	X	328.79946	166.73347	327.05439	2.47076	0.1167596	0.25813973	2.4428651	20	—	—
65905 1998 EH_2	15.0	X	278.02388	77.89284	28.06497	5.40558	0.0266974	0.24554142	2.5257258	20	11 27.8	18.1
65906 1998 EZ_5	15.1	X	129.51316	324.05065	104.76797	3.02934	0.1880465	0.27148505	2.3621389	20	4 13.6	18.5
65907 1998 EX_{11}	15.3	X	338.98872	129.02510	131.64077	7.50708	0.1480773	0.27271192	2.3550491	20	5 6.1	17.6
65908 1998 FQ	15.6	X	274.56817	172.28068	147.94739	4.16291	0.2072800	0.22612396	2.6683226	20	4 12.5	19.4
65909 1998 FH_{12}	19.2	X	253.27035	284.49344	108.61339	3.56019	0.5396301	0.86482596	1.0910640	20	5 18.0	19.5
65910 1998 FR_{21}	15.1	X	15.01344	176.09606	331.32096	3.92209	0.1911423	0.17757120	3.1348808	20	2 10.3	18.5
65911 1998 FO_{25}	15.4	X	145.29240	0.46663	209.31353	3.96565	0.2047068	0.24293365	2.5437685	20	10 23.5	19.7
65912 1998 FQ_{26}	15.2	X	295.60551	103.33214	77.31447	2.62002	0.1054015	0.25931280	2.4354922	20	—	—
65913 1998 FD_{28}	15.3	X	259.39222	248.56489	279.53400	1.35833	0.1218317	0.25345598	2.4728685	20	—	—
65914 1998 FB_{32}	15.2	X	64.54672	233.21311	199.22354	5.58161	0.1041603	0.26303050	2.4124888	20	1 4.7	17.7
65915 1998 FO_{34}	14.4	X	119.54825	135.08765	349.37139	12.86067	0.0868892	0.27540227	2.3396867	20	5 31.5	17.8
65916 1998 FJ_{36}	15.2	X	118.50843	287.99881	160.57127	6.89434	0.0903682	0.27127845	2.3633381	20	4 15.9	18.3
65917 1998 FG_{38}	15.8	X	302.14576	348.06403	174.08169	6.71596	0.0515972	0.25805935	2.4433723	20	—	—
65918 1998 FZ_{38}	15.6	X	257.51223	15.96793	200.22211	4.72141	0.0597206	0.25844761	2.4409246	20	—	—
65919 1998 FH_{39}	16.0	X	228.86169	256.59997	170.18575	3.71648	0.2192578	0.28417305	2.2912938	20	7 9.8	19.6
65920 1998 FV_{46}	15.9	X	270.50257	349.09050	196.86464	2.14227	0.1372456	0.25571920	2.4582563	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
65921 1998 FM_{47}	15.6	X	82.38144	97.10539	349.93993	6.44518	0.0765724	0.26608422	2.3939954	20	2 20.8	18.4
65922 1998 FQ_{47}	16.1	X	26.50745	230.36882	214.49024	3.76638	0.0116661	0.30250510	2.1977633	20	—	—
65923 1998 FW_{47}	16.0	X	168.87726	231.00904	224.94150	3.64240	0.2043093	0.27932363	2.3177376	20	6 24.2	19.7
65924 1998 FE_{53}	15.1	X	140.31667	241.50697	341.76557	3.28770	0.0569508	0.24390485	2.5370114	20	11 3.1	18.7
65925 1998 FE_{54}	15.2	X	108.05866	273.15955	191.92097	9.08478	0.0937659	0.27133688	2.3629988	20	4 24.6	18.1
65926 1998 FN_{55}	14.7	X	343.22065	27.83045	33.48841	4.48868	0.1353703	0.29550179	2.2323518	20	—	—
65927 1998 FV_{55}	15.8	X	151.98933	9.31121	76.08763	3.27701	0.1777906	0.27562717	2.3384138	20	5 25.4	19.4
65928 1998 FW_{55}	15.1	X	326.72150	355.34654	171.14823	13.55363	0.2593130	0.21698168	2.7427570	20	—	—
65929 1998 FL_{56}	14.8	X	16.49588	62.08645	176.09733	16.21972	0.0380766	0.18576350	3.0420227	20	6 9.6	19.2
65930 1998 FS_{57}	15.0	X	33.25290	322.63011	350.10691	8.50367	0.3186209	0.23775319	2.5805868	20	11 25.3	18.7
65931 1998 FK_{59}	15.3	X	337.94032	336.45319	172.21841	12.76564	0.1270233	0.26006271	2.4308080	20	—	—
65932 1998 FK_{60}	15.9	X	81.41357	238.99992	20.31754	4.34196	0.1171168	0.28401825	2.2921263	20	10 25.9	19.1
65933 1998 FT_{64}	15.4	X	53.36213	286.95240	177.17111	2.47616	0.1764209	0.26503108	2.4003331	20	2 5.9	17.4
65934 1998 FE_{65}	14.5	X	177.70564	125.95600	351.78388	4.36318	0.0883656	0.28042224	2.3116802	20	8 4.4	17.7
65935 1998 FF_{65}	15.2	X	108.51513	32.28053	197.51363	8.47200	0.1113260	0.23942816	2.5685374	20	10 10.5	18.9
65936 1998 FJ_{69}	14.6	X	355.13113	104.42629	191.75282	27.86156	0.3528174	0.22929774	2.6436433	20	8 10.2	16.8
65937 1998 FZ_{72}	15.6	X	47.53805	48.59630	198.60016	8.48508	0.0862052	0.23225461	2.6211577	20	8 11.2	19.0
65938 1998 FV_{77}	14.6	X	323.48865	145.07607	175.53855	13.84492	0.1837785	0.23076988	2.6323884	20	6 29.0	17.6
65939 1998 FK_{79}	15.0	X	6.51459	102.30151	175.08691	12.13034	0.1220575	0.23087921	2.6315573	20	7 22.3	18.0
65940 1998 FE_{80}	16.0	X	105.77184	98.78925	141.12402	5.15952	0.1502142	0.28504969	2.2865937	20	10 31.9	19.4
65941 1998 FU_{87}	15.1	X	205.60348	15.52413	42.74795	7.29006	0.1018999	0.27907241	2.3191283	20	6 12.6	18.4
65942 1998 FL_{90}	14.9	X	224.99325	9.65891	18.38363	8.73089	0.2093933	0.27837499	2.3230001	20	5 14.6	18.6
65943 1998 FR_{98}	15.1	X	154.78353	300.31536	271.60827	6.75923	0.2451836	0.19980239	2.8978035	20	10 26.0	20.4
65944 1998 FZ_{99}	14.1	X	320.86698	292.89016	321.63558	7.82923	0.0673965	0.26981846	2.3718558	20	3 29.5	17.0
65945 1998 FZ_{100}	14.9	X	7.01655	308.29035	230.11394	7.92492	0.0974873	0.17834932	3.1257560	20	3 5.9	18.9
65946 1998 FT_{103}	14.8	X	38.19250	357.58922	282.62578	4.24263	0.2473384	0.23530081	2.5984864	20	10 9.1	18.0
65947 1998 FZ_{103}	14.9	X	190.39000	302.13986	313.16789	5.74362	0.2504450	0.20665600	2.8333749	20	—	—
65948 1998 FT_{106}	15.4	X	22.33837	168.94320	320.55524	5.99604	0.0948281	0.26316671	2.4116563	20	1 14.3	17.8
65949 1998 FJ_{107}	14.8	X	82.36735	127.39347	323.51089	7.77915	0.0823854	0.26588591	2.3951856	20	2 24.7	17.5
65950 1998 FE_{114}	14.7	X	268.38566	144.78582	296.77796	5.64302	0.1290886	0.28755687	2.2732832	20	10 3.3	17.2
65951 1998 FU_{119}	14.7	X	107.78126	325.63593	162.03241	13.48471	0.1288045	0.23125600	2.6286981	20	6 1.1	18.7
65952 1998 FF_{122}	15.5	X	48.78984	250.36527	196.10517	5.78320	0.0841751	0.26080428	2.4261980	20	—	—
65953 1998 FD_{123}	15.2	X	264.48524	90.99643	181.91710	13.07585	0.3387774	0.21557097	2.7547099	20	1 23.1	20.2
65954 1998 FT_{131}	15.3	X	163.81805	290.44662	148.61057	8.05805	0.1779024	0.27799176	2.3251346	20	5 29.9	19.1
65955 1998 FU_{132}	15.9	X	76.82118	296.21494	143.06784	4.14854	0.0402720	0.26444130	2.4039007	20	1 26.8	18.7
65956 1998 FA_{146}	14.8	X	50.55046	131.81108	139.09726	12.75956	0.2741325	0.23588559	2.5941900	20	10 23.8	18.7
65957 1998 FO_{147}	15.5	X	226.86544	224.09015	209.67036	6.27334	0.0846951	0.28335382	2.2957081	20	7 31.0	18.5
65958 1998 GG_{1}	15.1	X	256.88565	42.96919	215.79872	7.81358	0.1379460	0.21441402	2.7646104	20	1 15.5	19.5
65959 1998 GU_{7}	15.3	X	354.88628	152.47166	126.27344	14.05819	0.1963335	0.22928061	2.6437750	20	7 5.1	17.7
65960 1998 GX_{8}	14.9	X	39.27661	84.50078	124.09184	12.25908	0.1883270	0.22782881	2.6549945	20	6 22.7	17.8
65961 1998 HC_{1}	15.1	X	63.65958	28.54436	168.87497	11.84689	0.1129453	0.22822199	2.6519443	20	7 2.5	18.7
65962 1998 HU_{1}	15.6	X	177.64761	307.24654	63.07383	3.90888	0.1880072	0.26639429	2.3921373	20	3 16.7	19.4
65963 1998 HC_{5}	15.6	X	22.01190	44.91624	291.84577	3.56898	0.1383330	0.24221608	2.5487901	20	11 16.5	18.8
65964 1998 HB_{6}	15.4	X	347.94974	184.25654	94.25269	4.59050	0.1049961	0.22859185	2.6490829	20	6 20.6	18.0
65965 1998 HR_{7}	13.9	X	275.01768	73.05538	209.01927	29.89195	0.3368505	0.21599384	2.7511132	20	2 5.3	19.2
65966 1998 HH_{8}	15.5	X	111.13391	162.56242	55.66542	5.53923	0.0810830	0.28167786	2.3048053	20	10 4.6	18.6
65967 1998 HM_{10}	15.1	X	52.48999	203.38301	45.03549	4.76153	0.0274833	0.19107655	2.9853675	20	8 11.9	19.2
65968 1998 HV_{17}	15.4	X	189.85690	66.63733	346.09551	6.26554	0.0958761	0.27362419	2.3498117	20	5 16.9	18.9
65969 1998 HN_{19}	14.7	X	317.48291	159.11316	206.06514	9.02470	0.1906674	0.23835963	2.5762079	20	8 22.4	17.2
65970 1998 HB_{22}	16.1	X	225.36517	10.88021	213.25234	6.63011	0.1638213	0.29740175	2.2228340	20	—	—
65971 1998 HY_{26}	15.1	X	33.20735	179.53863	49.13745	6.29927	0.0922913	0.18593712	3.0401288	20	6 24.9	19.0
65972 1998 HJ_{28}	15.0	X	147.97421	53.44429	345.92632	4.03254	0.2290948	0.26792865	2.3829958	20	3 26.2	18.8
65973 1998 HZ_{38}	15.0	X	39.24241	81.34822	208.00432	13.41079	0.0992007	0.23689107	2.5868441	20	9 30.1	18.3
65974 1998 HP_{39}	15.2	X	285.94497	338.95016	199.31943	6.40481	0.0608861	0.21076904	2.7963928	20	—	—
65975 1998 HV_{46}	15.3	X	44.15401	31.08563	190.47515	10.56286	0.1178972	0.22974654	2.6401994	20	7 6.7	18.7
65976 1998 HF_{51}	14.5	X	200.23040	4.67166	51.18804	3.83367	0.0401933	0.27226977	2.3575981	20	6 6.5	17.6
65977 1998 HZ_{69}	15.0	X	107.70057	332.08141	210.15130	11.57876	0.0876431	0.23306157	2.6151038	20	8 1.7	19.0
65978 1998 HS_{98}	15.0	X	335.43884	33.30655	213.36037	7.21368	0.2246060	0.22211996	2.7002936	20	3 26.6	17.8
65979 1998 HX_{105}	15.1	X	46.41783	139.38517	114.57132	6.49523	0.1501698	0.23302537	2.6153747	20	9 3.7	18.3
65980 1998 HB_{107}	14.7	X	27.46620	178.22271	73.92622	11.65927	0.0761245	0.18681023	3.0306488	20	7 17.2	18.7
65981 1998 HD_{119}	15.2	X	68.56946	8.41571	182.56342	13.79816	0.1779079	0.22911897	2.6450183	20	7 9.9	19.0
65982 1998 HN_{119}	14.5	X	356.84966	113.24150	184.95290	11.61460	0.1652735	0.23036952	2.6354374	20	8 5.6	17.3
65983 1998 HS_{124}	15.6	X	210.10404	91.83461	136.84572	5.40429	0.1604173	0.29412261	2.2393249	20	—	—
65984 1998 HA_{125}	14.6	X	347.04433	120.04313	144.80384	14.00020	0.1883139	0.22519561	2.6756508	20	5 28.7	17.5
65985 1998 HX_{146}	14.7	X	354.71954	105.29259	104.91928	11.82169	0.1441485	0.22195130	2.7016614	20	3 30.1	17.8
65986 1998 HA_{147}	15.1	X	67.79341	43.56497	156.69995	11.88761	0.1372153	0.22940767	2.6427988	20	7 15.9	18.7
65987 1998 HD_{152}	15.2	X	138.23909	277.11550	286.40475	4.32436	0.0921392	0.23967102	2.5668020	20	10 5.4	19.1
65988 1998 KQ_{1}	15.2	X	322.04756	39.15669	227.31254	10.22009	0.2041588	0.22202483	2.7010649	20	4 1.8	18.3
65989 1998 KZ_{12}	13.5	X	288.51833	223.46224	348.70330	3.53772	0.1543136	0.12414307	3.9797372	20	1 6.8	19.2
65990 1998 KR_{14}	15.3	X	319.24701	280.43909	307.21794	3.45844	0.1889740	0.21850926	2.7299592	20	2 10.8	18.9
65991 1998 KL_{36}	14.8	X	239.31798	341.53398	270.14335	7.16075	0.1723270	0.20940440	2.8085286	20	—	—
65992 1998 KG_{49}	15.3	X	270.06948	79.63628	203.59995	11.51179	0.1303341	0.21686434	2.7437463	20	2 26.5	19.5
65993 1998 KP_{52}	14.6	X	2.10317	88.43641	207.61220	10.95652	0.1416151	0.22895048	2.6463159	20	8 10.1	17.6
65994 1998 KE_{53}	15.0	X	290.78224	193.02064	105.43960	15.47084	0.2153396	0.21987226	2.7186653	20	4 9.3	19.1
65995 1998 KZ_{57}	15.0	X	113.19807	154.50650	38.07114	2.10782	0.1194393	0.23419276	2.6066761	20	8 29.8	18.7
65996 1998 MX_{5}	18.5	X	130.53133	57.08146	265.32900	9.55274	0.6042109	0.19569883	2.9381721	20	1 16.2	24.3
65997 1998 ME_{35}	14.7	X	300.39714	61.30208	285.54281	13.01507	0.1446146	0.22252533	2.6970133	20	7 1.6	17.7
65998 1998 MX_{40}	14.8	X	240.23594	244.88406	91.29274	8.77782	0.2331592	0.21414799	2.7668995	20	3 31.7	19.6
65999 1998 ND	15.4	X	107.52224	79.56646	276.51021	22.45688	0.3362137	0.28580018	2.2825890	20	—	—
66000 1998 OE_{1}	14.9	X	60.13831	41.62677	297.86236	15.38693	0.2181549	0.18913904	3.0057205	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
66001 1998 OG_1	13.9	X	118.25308	232.48341	291.48858	11.81482	0.1084343	0.22589810	2.6701008	20	7 25.3	17.8
66002 1998 OL_5	16.0	X	184.59034	197.21653	161.53239	4.67533	0.1549563	0.29919420	2.2139472	20	3 2.7	19.0
66003 1998 OX_6	13.1	X	211.12308	350.54687	306.82900	11.80892	0.0642436	0.20365660	2.8611265	20	1 22.8	17.2
66004 1998 OV_9	14.9	X	325.32196	131.83594	151.67234	5.78466	0.1510317	0.17315018	3.1880178	20	5 16.1	18.8
66005 1998 OA_{12}	14.1	X	202.69754	81.55039	314.34325	13.85355	0.2376867	0.21496729	2.7598647	20	5 2.1	19.2
66006 1998 OW_{13}	16.2	X	40.39753	21.42643	326.14276	6.73327	0.1878045	0.27823112	2.3238009	20	—	—
66007 1998 PO	13.3	X	214.73035	143.43159	256.66600	4.39293	0.0714521	0.21649876	2.7468342	20	5 31.9	17.1
66008 1998 QH_2	16.0	X	64.37056	13.97140	168.93518	61.00459	0.3625575	0.57866580	1.4262123	20	8 23.3	18.2
66009 1998 QZ_8	13.9	X	32.69056	296.87466	327.08275	9.05920	0.0394688	0.22419866	2.6835769	20	8 8.9	17.4
66010 1998 QO_{15}	14.4	X	313.00908	135.31781	286.98914	7.96558	0.1320305	0.18348880	3.0671123	20	10 27.5	18.3
66011 1998 QR_{17}	13.5	X	300.21263	359.81461	303.80984	4.14694	0.0395686	0.21610614	2.7501601	20	5 16.4	17.2
66012 1998 QM_{23}	14.5	X	219.31090	68.77792	338.72077	11.77462	0.1457843	0.21631106	2.7484229	20	6 8.9	19.1
66013 1998 QC_{24}	13.5	X	103.71091	43.18255	302.91058	10.96446	0.0618565	0.19509943	2.9441869	20	—	—
66014 1998 QW_{24}	14.5	X	80.19194	29.67806	325.94961	8.57188	0.1251310	0.19315951	2.9638666	20	—	—
66015 1998 QW_{25}	14.6	X	246.01442	331.39749	338.02973	8.69545	0.1509329	0.21005168	2.8027559	20	3 5.8	18.9
66016 1998 QX_{27}	14.1	X	7.74403	52.52541	315.52534	7.96562	0.1421451	0.18496494	3.0507721	20	11 20.4	18.0
66017 1998 QC_{30}	14.4	X	276.82950	211.49852	290.75837	8.33036	0.0606564	0.19158647	2.9800679	20	12 25.9	18.4
66018 1998 QA_{31}	13.2	X	313.19010	116.69460	329.06794	8.99495	0.0898954	0.18821303	3.0155713	20	12 2.3	17.1
66019 1998 QE_{31}	14.3	X	108.04671	6.70181	333.47264	8.20567	0.1251746	0.19515263	2.9436518	20	—	—
66020 1998 QN_{31}	16.7	X	11.26023	284.71806	51.03769	3.02876	0.2298578	0.27349156	2.3505713	20	11 22.7	19.1
66021 1998 QZ_{34}	15.0	X	147.91560	150.42689	174.63294	12.46129	0.1764155	0.19841725	2.9112741	20	—	—
66022 1998 QU_{42}	13.4	X	324.10221	116.84708	336.00032	9.71957	0.0810940	0.18956275	3.0012399	20	12 30.8	17.3
66023 1998 QS_{43}	15.6	X	48.22183	250.09031	111.14416	5.56295	0.1857896	0.27985278	2.3148151	20	—	—
66024 1998 QZ_{45}	14.0	X	282.39195	318.51091	328.79550	7.48495	0.1167100	0.21100393	2.7943171	20	3 19.8	18.1
66025 1998 QP_{46}	14.4	X	89.90212	13.43781	334.40948	8.75312	0.1452353	0.19258093	2.9698000	20	—	—
66026 1998 QK_{48}	14.0	X	13.86039	110.89714	323.95854	9.04051	0.0820740	0.19279648	2.9675860	20	—	—
66027 1998 QH_{49}	14.2	X	57.91823	225.85470	151.01038	13.74186	0.1605163	0.19150175	2.9809467	20	—	—
66028 1998 QU_{51}	14.7	X	13.75584	102.82126	254.51853	4.09872	0.1663114	0.18326999	3.0695531	20	11 20.5	18.4
66029 1998 QC_{61}	14.1	X	315.04693	160.53873	163.60968	15.19257	0.1668055	0.17485263	3.1672908	20	6 19.6	18.3
66030 1998 QY_{64}	14.3	X	213.43629	151.05665	248.83471	11.10110	0.2771849	0.21410139	2.7673010	20	5 18.8	19.3
66031 1998 QE_{68}	14.8	X	14.24078	47.61476	238.69954	10.63711	0.1740507	0.22385698	2.6863069	20	8 20.9	17.9
66032 1998 QK_{68}	14.2	X	46.50128	54.49696	253.07977	13.91836	0.1309690	0.18418011	3.0594327	20	10 27.7	18.6
66033 1998 QV_{69}	14.3	X	16.88352	90.96893	269.55741	7.79390	0.1506542	0.18520567	3.0481280	20	11 27.5	18.1
66034 1998 QY_{69}	14.3	X	213.88252	221.96329	202.42903	8.54974	0.1364208	0.21706330	2.7420694	20	6 26.1	18.7
66035 1998 QA_{70}	14.7	X	47.70201	84.97687	239.03818	10.00805	0.0905137	0.18558260	3.0439993	20	11 15.3	19.0
66036 1998 QZ_{73}	13.4	X	49.39124	39.51034	259.34106	9.33472	0.2744409	0.18406784	3.0606766	20	11 10.9	17.8
66037 1998 QD_{74}	14.3	X	6.82422	169.26748	256.85634	8.15503	0.0577248	0.19159389	2.9799910	20	—	—
66038 1998 QM_{74}	14.6	X	357.55571	88.66583	259.08195	7.55811	0.1155941	0.18089219	3.0963937	20	10 3.6	18.5
66039 1998 QS_{74}	13.9	X	188.55894	22.92975	302.70588	16.24835	0.0852740	0.20265244	2.8705701	20	1 31.8	18.4
66040 1998 QQ_{75}	14.3	X	34.13735	49.25983	249.62069	15.55539	0.1520807	0.18041585	3.1018414	20	9 28.8	18.6
66041 1998 QZ_{77}	13.7	X	53.47606	299.18149	323.73313	16.73739	0.0379163	0.17673920	3.1447114	20	8 27.3	18.1
66042 1998 QA_{78}	14.8	X	44.52174	123.42268	213.25995	11.50822	0.2166413	0.18505494	3.0497829	20	12 14.3	19.3
66043 1998 QH_{79}	15.3	X	120.31892	111.00419	201.12409	10.89474	0.2952435	0.24062444	2.5600173	20	—	—
66044 1998 QU_{82}	14.6	X	244.41237	143.10923	202.20306	9.00932	0.2148699	0.21307296	2.7761983	20	4 12.1	18.9
66045 1998 QJ_{84}	15.0	X	99.93189	72.69389	204.67852	7.99516	0.3099065	0.18951121	3.0017840	20	12 4.5	20.4
66046 1998 QJ_{85}	14.1	X	34.24637	160.31222	282.47499	15.47636	0.0390456	0.19713570	2.9238776	20	—	—
66047 1998 QL_{85}	14.2	X	325.67360	123.27106	255.05333	15.82492	0.2246877	0.17862369	3.1225544	20	9 7.9	17.9
66048 1998 QU_{85}	12.9	X	36.49310	30.23824	316.99308	15.64002	0.0827101	0.18581044	3.0415104	20	11 26.1	17.4
66049 1998 QB_{86}	14.4	X	20.05490	73.15393	284.37341	15.41357	0.1864235	0.18417605	3.0594776	20	12 3.4	18.4
66050 1998 QB_{87}	13.3	X	259.33838	101.05481	302.73904	15.78279	0.1181320	0.17292691	3.1907614	20	7 21.7	17.7
66051 1998 QC_{87}	14.7	X	96.12864	84.72106	258.58646	9.22640	0.1123460	0.19261430	2.9694569	20	—	—
66052 1998 QM_{87}	14.7	X	13.23852	161.55292	200.39646	16.22807	0.1786474	0.18365803	3.0652279	20	11 28.7	18.6
66053 1998 QN_{87}	14.3	X	79.57551	135.05640	230.47781	11.33262	0.1517174	0.19264484	2.9691431	20	—	—
66054 1998 QY_{88}	14.3	X	119.10395	21.71823	291.12998	9.06768	0.0403169	0.19153205	2.9806323	20	—	—
66055 1998 QQ_{90}	13.5	X	48.46637	114.53752	168.80009	21.01033	0.1839501	0.18036875	3.1023813	20	10 12.8	17.9
66056 1998 QM_{95}	14.7	X	28.73855	118.56252	285.72514	9.32787	0.1466888	0.19120640	2.9840157	20	—	—
66057 1998 QP_{96}	14.2	X	114.02843	32.70863	289.26140	9.65819	0.0985243	0.19257277	2.9698838	20	—	—
66058 1998 QQ_{97}	14.6	X	354.09432	142.03703	285.24522	10.87191	0.1120919	0.18924929	3.0045530	20	—	—
66059 1998 QZ_{100}	14.7	X	25.09782	240.37550	90.75769	2.63138	0.2681348	0.18280424	3.0747646	20	11 20.4	18.4
66060 1998 QB_{103}	14.3	X	302.55308	253.63334	127.52766	6.09260	0.1585602	0.17570734	3.1570111	20	8 15.8	18.2
66061 1998 QN_{104}	15.8	X	93.22718	265.13990	26.70039	5.84091	0.1886713	0.27824905	2.3237011	20	12 22.7	19.5
66062 1998 RG_1	13.4	X	211.87862	292.24733	168.48603	10.16380	0.1928845	0.17397407	3.1779450	20	8 1.7	18.7
66063 1998 RO_1	18.1	X	268.11514	151.13544	351.86047	22.68223	0.7201174	0.99917868	0.9909246	20	—	—
66064 1998 RW_4	16.2	X	330.36202	175.32426	177.85976	22.57481	0.0883151	0.35863146	1.9620216	20	10 7.9	17.5
66065 1998 RB_{13}	14.7	X	14.95703	308.06186	18.49266	1.14801	0.1711195	0.17953595	3.1119678	20	10 13.7	18.4
66066 1998 RO_{18}	14.8	X	32.44094	212.47105	166.73917	13.71964	0.1659535	0.18891221	3.0081261	20	—	—
66067 1998 RM_{19}	14.9	X	207.69417	71.63393	351.74494	6.11721	0.1522643	0.21586982	2.7521669	20	6 18.1	19.4
66068 1998 RG_{26}	13.6	X	338.77253	274.44737	7.57633	12.46265	0.0804106	0.21753626	2.7380936	20	6 8.3	17.2
66069 1998 RK_{42}	14.2	X	66.20628	95.23684	201.47314	8.47067	0.0915593	0.18380563	3.0635867	20	11 5.3	18.6
66070 1998 RP_{46}	15.3	X	15.74562	165.25613	227.79467	3.32909	0.2446907	0.27723406	2.3293692	20	—	—
66071 1998 RS_{48}	14.4	X	47.68992	181.17002	233.32740	1.86167	0.2154103	0.19302308	2.9652630	20	—	—
66072 1998 RW_{48}	14.9	X	158.89981	72.38858	262.43975	1.43681	0.0974058	0.19938525	2.9018438	20	1 14.9	19.2
66073 1998 RJ_{50}	14.2	X	335.57766	287.27805	125.82542	1.83878	0.2060174	0.18393565	3.0621428	20	11 29.6	17.2
66074 1998 RZ_{50}	14.0	X	71.23826	59.16300	190.90250	16.52503	0.1867651	0.17980360	3.1088788	20	9 25.4	18.6
66075 1998 RT_{51}	14.2	X	283.72412	106.57911	270.20513	5.11907	0.0732957	0.17330564	3.1861111	20	7 23.9	18.5
66076 1998 RD_{53}	13.3	X	293.86088	140.07862	357.19734	9.79742	0.0546340	0.19060102	2.9903308	20	—	—
66077 1998 RL_{53}	14.0	X	303.45663	89.77063	346.04768	9.61480	0.0801930	0.18344312	3.0676214	20	11 2.2	18.1
66078 1998 RW_{53}	13.6	X	102.85395	237.30966	339.75730	16.53676	0.0579394	0.17722010	3.1390199	20	9 4.5	18.2
66079 1998 RA_{54}	14.4	X	25.85076	137.34206	203.91096	10.15925	0.0964274	0.18288824	3.0738231	20	11 9.6	18.4
66080 1998 RV_{56}	14.2	X	294.05127	44.09460	328.51487	3.93762	0.1359941	0.17353595	3.1832915	20	7 25.3	18.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
66081 1998 RY_{56}	14.5	X	58.05429	81.44928	223.25416	2.10267	0.2547230	0.18456331	3.0551964	20	11 25.9	19.1
66082 1998 RZ_{58}	14.5	X	320.35430	125.85511	287.66307	1.38108	0.0717949	0.18267230	3.0762450	20	11 2.3	18.4
66083 1998 RW_{61}	14.4	X	327.62397	169.27880	263.15524	1.26511	0.0614725	0.18570227	3.0426914	20	12 7.8	18.1
66084 1998 RY_{63}	14.2	X	236.71234	269.02156	161.18058	9.75866	0.0637535	0.17352982	3.1833664	20	8 2.5	18.8
66085 1998 RG_{67}	14.0	X	311.28598	68.52535	293.44268	3.63709	0.1433405	0.17422792	3.1748573	20	8 5.1	17.9
66086 1998 RL_{69}	14.2	X	329.24934	41.50702	6.84954	10.39077	0.0655979	0.18296044	3.0730144	20	11 6.2	18.4
66087 1998 RW_{69}	14.9	X	12.39756	216.82849	138.94411	2.73306	0.2538052	0.18216673	3.0819341	20	11 29.7	18.4
66088 1998 RE_{71}	14.4	X	318.53648	307.58338	135.32006	5.65155	0.1717599	0.18486856	3.0518324	20	12 6.3	17.8
66089 1998 RQ_{73}	14.4	X	48.05693	143.33892	237.43028	3.19262	0.1477849	0.18905992	3.0065591	20	—	—
66090 1998 RQ_{75}	14.4	X	8.00371	187.75464	176.60774	10.86774	0.0793437	0.18228864	3.0805598	20	11 12.8	18.5
66091 1998 RM_{76}	13.9	X	338.03851	18.77677	22.57245	11.16111	0.0566921	0.18340765	3.0680169	20	11 10.7	18.0
66092 1998 SD	14.5	X	239.82631	204.13039	314.38050	19.37384	0.0179865	0.36613601	1.9351194	20	—	—
66093 1998 SG	13.9	X	4.19194	261.13299	342.69841	10.36380	0.1080271	0.21538718	2.7562767	20	5 27.3	17.3
66094 1998 SY_{1}	15.0	X	20.34157	169.95128	134.93013	7.32599	0.1418244	0.17838751	3.1253099	20	9 22.6	18.8
66095 1998 SP_{6}	14.7	X	42.85424	206.45449	167.33225	8.79008	0.1063798	0.19015641	2.9949902	20	—	—
66096 1998 SS_{6}	14.9	X	346.54583	5.57114	164.37598	15.58814	0.0779774	0.20366828	2.8610171	20	1 23.7	18.7
66097 1998 SB_{11}	14.1	X	305.76584	114.54539	317.04251	8.95543	0.0981941	0.18570347	3.0426783	20	10 30.1	18.1
66098 1998 SV_{12}	13.9	X	286.75557	302.37349	156.22749	27.39069	0.2025623	0.17999733	3.1066478	20	10 31.5	18.2
66099 1998 SQ_{13}	14.4	X	29.57691	298.32216	29.46184	0.78005	0.1986321	0.18009293	3.1055481	20	11 10.8	18.3
66100 1998 SG_{17}	14.5	X	353.77543	213.16206	90.29762	2.28240	0.2041979	0.17486882	3.1670952	20	8 4.0	17.7
66101 1998 SK_{22}	14.4	X	295.59460	186.05258	187.91360	4.94937	0.1576081	0.17402290	3.1773504	20	7 24.4	18.5
66102 1998 SR_{22}	14.1	X	308.37011	13.49086	359.33494	6.77060	0.1114615	0.17506956	3.1646739	20	8 21.4	18.0
66103 1998 SJ_{24}	13.8	X	142.40461	300.77777	76.78180	3.76015	0.0644476	0.20223324	2.8745356	20	2 15.4	17.9
66104 1998 SB_{25}	16.0	X	200.00180	313.07997	37.80770	5.08732	0.2355654	0.25124616	2.4873473	20	3 13.1	20.3
66105 1998 SW_{25}	14.8	X	63.82022	174.63805	154.70996	5.52274	0.2125934	0.18588058	3.0407453	20	12 25.5	19.6
66106 1998 SJ_{26}	13.5	X	271.51461	44.00527	45.55703	14.82643	0.1953525	0.17817097	3.1278416	20	9 28.9	17.9
66107 1998 SM_{27}	16.0	X	130.41671	120.87356	229.38286	21.31939	0.0996741	0.37927160	1.8901771	20	—	—
66108 1998 SX_{34}	16.3	X	354.14891	148.75147	197.00871	23.18735	0.0772826	0.36018073	1.9563914	20	11 9.4	18.2
66109 1998 SB_{35}	16.0	X	305.91169	198.47078	198.70989	21.85414	0.0616795	0.35955208	1.9586711	20	11 2.7	17.5
66110 1998 SQ_{37}	14.6	X	110.58549	359.17286	345.23754	2.25758	0.1131564	0.19171904	2.9786939	20	—	—
66111 1998 SY_{39}	15.7	X	176.83675	9.96675	187.88052	6.83031	0.0533933	0.27348673	2.3505990	20	11 21.4	18.8
66112 1998 SP_{45}	16.6	X	221.99011	206.36720	175.06355	4.06463	0.1216148	0.30227877	2.1988602	20	5 11.6	19.5
66113 1998 SG_{55}	14.8	X	334.77060	228.94022	148.09549	0.89067	0.1554991	0.17979789	3.1089446	20	10 7.8	18.3
66114 1998 SG_{68}	14.4	X	329.06930	136.94454	239.63309	14.78260	0.0783828	0.18034471	3.1026571	20	9 23.1	18.7
66115 1998 ST_{68}	14.0	X	35.68675	347.15995	298.49627	17.17107	0.1452214	0.17923149	3.1154911	20	9 9.6	18.3
66116 1998 SU_{68}	13.6	X	353.85136	79.97061	219.86106	22.01870	0.1733175	0.17562675	3.1579768	20	7 21.3	17.6
66117 1998 SV_{69}	16.1	X	316.55372	228.78388	127.30929	8.93391	0.1533904	0.26804424	2.3823107	20	8 20.3	18.0
66118 1998 SL_{71}	14.7	X	12.43423	269.34824	155.31183	2.35626	0.1497319	0.18812356	3.0165273	20	—	—
66119 1998 SE_{72}	14.3	X	339.08184	129.42303	181.87498	6.10054	0.1165729	0.17138996	3.2098085	20	7 16.3	18.3
66120 1998 SF_{74}	15.9	X	261.88102	305.56692	133.68771	3.08149	0.2054255	0.26578480	2.3957930	20	9 6.8	18.8
66121 1998 SF_{81}	14.5	X	134.32337	306.43223	355.01618	9.73558	0.0583743	0.19186897	2.9771421	20	—	—
66122 1998 SC_{87}	15.3	X	328.04739	174.68231	207.48616	13.19775	0.2019736	0.22452577	2.6809698	20	10 11.8	17.6
66123 1998 SD_{87}	14.4	X	297.99268	170.69274	232.88359	8.41192	0.0414703	0.17823076	3.1271421	20	9 17.9	18.9
66124 1998 SC_{111}	14.6	X	37.26235	93.94487	218.40874	3.60341	0.1661622	0.18071234	3.0984477	20	10 28.5	18.5
66125 1998 SA_{112}	13.7	X	238.35013	290.61778	154.61849	6.05024	0.1302476	0.17413760	3.1759550	20	8 15.9	18.5
66126 1998 SX_{112}	14.4	X	61.33218	304.96241	24.60333	14.21055	0.1929388	0.23191711	2.6237001	20	12 31.4	18.6
66127 1998 SQ_{114}	15.1	X	19.52916	266.17527	90.73358	3.30038	0.1054261	0.18268517	3.0761004	20	11 21.0	19.0
66128 1998 SV_{114}	14.4	X	299.10147	255.60307	121.27875	1.91659	0.1734673	0.17349421	3.1838020	20	8 1.6	18.2
66129 1998 SA_{117}	14.6	X	10.88454	101.39909	239.59066	8.18053	0.1014377	0.17927861	3.1149451	20	10 15.6	18.7
66130 1998 SM_{117}	13.6	X	87.07830	263.92031	6.77337	16.07431	0.1176475	0.18094682	3.0957705	20	10 25.4	18.4
66131 1998 SA_{123}	15.1	X	358.66703	38.76302	330.84622	0.45205	0.1790262	0.18079019	3.0975582	20	11 12.4	18.6
66132 1998 SP_{126}	14.2	X	332.95313	260.01545	154.03376	10.04084	0.0915933	0.18328636	3.0693703	20	11 24.8	18.2
66133 1998 SR_{127}	13.8	X	287.83773	280.26390	170.59324	10.94390	0.0750217	0.18156500	3.0887396	20	11 5.6	18.0
66134 1998 SV_{127}	14.9	X	44.23705	193.49350	140.39570	5.74226	0.1611059	0.18333033	3.0688795	20	12 3.7	19.2
66135 1998 SX_{131}	14.4	X	13.85761	27.03957	325.91423	6.68722	0.1556538	0.18065375	3.0991176	20	11 10.8	18.3
66136 1998 SN_{133}	14.6	X	286.24462	236.67117	210.96828	4.57906	0.2222227	0.17962366	3.1109547	20	10 6.3	18.5
66137 1998 SR_{136}	15.1	X	41.56680	256.21086	88.06152	4.49880	0.1535546	0.27547323	2.3392849	20	—	—
66138 1998 SE_{137}	13.7	X	352.58587	197.11548	110.54011	6.49945	0.1665930	0.17416746	3.1755921	20	8 6.9	17.2
66139 1998 SH_{138}	15.3	X	27.45563	166.15878	173.44298	0.67548	0.2343729	0.18169744	3.0872385	20	11 28.5	19.1
66140 1998 SQ_{139}	13.5	X	328.84372	176.75783	249.88744	8.39786	0.0785295	0.18287260	3.0739983	20	12 1.8	17.3
66141 1998 SG_{142}	15.3	X	120.70769	148.58595	123.73760	5.56122	0.1680782	0.27703411	2.3304899	20	12 22.4	19.0
66142 1998 SN_{145}	15.9	X	341.93797	127.60439	189.67662	1.85237	0.2368452	0.26531305	2.3986321	20	8 11.1	17.1
66143 1998 SE_{161}	13.8	X	342.64639	197.47801	223.73140	10.19760	0.1002543	0.18425223	3.0586343	20	12 16.6	17.7
66144 1998 SJ_{171}	15.7	X	175.86277	136.83230	199.22046	2.94337	0.2368793	0.24467470	2.5316870	20	2 3.8	20.0
66145 1998 TM	14.3	X	14.32553	115.42478	235.41144	9.05236	0.1251230	0.17992464	3.1074843	20	11 6.8	18.3
66146 1998 TU_{3}	14.5	X	134.05053	84.84582	102.02002	5.40699	0.4836938	1.41099467	0.7872617	20	—	—
66147 1998 TC_{10}	13.8	X	217.72566	15.05292	61.89051	1.51254	0.1267963	0.16751247	3.2591520	20	7 15.6	18.8
66148 1998 TD_{11}	15.0	X	171.74792	41.90182	55.29241	4.43912	0.0563920	0.21028890	2.8006477	20	6 26.2	19.1
66149 1998 TS_{33}	14.0	X	272.33979	316.69543	120.95297	2.34379	0.1379218	0.17595898	3.1540005	20	9 17.2	18.3
66150 1998 UF	15.5	X	237.41849	353.96085	319.86554	22.06642	0.0695499	0.38791858	1.8619828	20	2 16.2	17.4
66151 1998 UL	13.9	X	194.03121	325.25422	283.88170	9.33041	0.0674362	0.19290568	2.9664660	20	—	—
66152 1998 UU	15.6	X	14.12677	162.86106	286.82859	19.48844	0.0761536	0.37301911	1.9112404	20	—	—
66153 1998 UV	15.4	X	296.26831	121.45913	318.59122	17.48864	0.0965809	0.36034275	1.9558049	20	12 29.1	17.1
66154 1998 UK_{19}	16.7	X	20.09545	111.60889	218.74843	20.08568	0.0846925	0.36120846	1.9526786	20	11 27.7	18.7
66155 1998 UR_{24}	14.7	X	307.34765	296.99031	92.85862	2.40220	0.2153972	0.17358076	3.1827437	20	8 27.9	18.4
66156 1998 UV_{25}	14.5	X	299.36405	306.27720	62.87491	10.45663	0.1254311	0.21747516	2.7386063	20	8 6.7	18.0
66157 1998 UJ_{26}	14.7	X	287.05161	278.12566	133.64754	5.90310	0.1681023	0.17435423	3.1733238	20	8 30.9	18.7
66158 1998 UJ_{27}	14.5	X	319.04285	205.09093	174.91553	10.19596	0.0707561	0.17509182	3.1644056	20	9 17.7	18.7
66159 1998 UN_{36}	14.1	X	341.41316	98.08698	236.38925	9.52275	0.0294776	0.17342537	3.1846446	20	8 18.8	18.7
66160 1998 UC_{38}	14.1	X	210.59541	37.30138	57.01351	9.79928	0.0995312	0.21610752	2.7501484	20	8 7.3	18.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
66161 1998 UG_{40}	14.4	X	344.70578	70.60777	298.48221	3.92824	0.1609443	0.17823749	3.1270634	20	10 12.9	17.9
66162 1998 UG_{49}	14.8	X	6.96090	229.80677	224.53232	13.08526	0.0733200	0.23437985	2.6052888	20	—	—
66163 1998 VB	15.5	X	74.87826	85.30418	316.32367	1.67986	0.2400742	0.28269290	2.2992849	20	—	—
66164 1998 VC_{8}	14.0	X	49.62879	216.48840	189.14774	10.75440	0.1278819	0.19076951	2.9885698	20	—	—
66165 1998 VF_{10}	15.8	X	250.49772	311.14569	138.71007	4.08613	0.1727271	0.26532076	2.3985856	20	9 11.3	18.7
66166 1998 VL_{25}	16.0	X	351.41951	345.08145	88.31038	1.07986	0.1927318	0.27572823	2.3378424	20	—	—
66167 1998 VG_{28}	13.5	X	318.71423	148.67926	245.04161	13.16587	0.1908308	0.17606288	3.1527595	20	9 20.2	17.3
66168 1998 VK_{28}	15.5	X	281.97476	350.01787	73.07646	4.90086	0.2111956	0.26558341	2.3970040	20	9 17.5	17.9
66169 1998 VO_{29}	14.6	X	62.71738	88.58589	311.66717	2.05479	0.2766875	0.19059915	2.9903503	20	—	—
66170 1998 VJ_{30}	13.7	X	297.34971	334.89490	75.74692	12.20715	0.1464837	0.17499288	3.1655982	20	9 23.6	17.9
66171 1998 VW_{36}	14.3	X	314.34288	146.74942	239.37349	10.61642	0.1490152	0.17618059	3.1513551	20	9 6.8	18.4
66172 1998 VX_{45}	14.0	X	301.77982	170.55486	188.68085	9.78491	0.1339685	0.17003600	3.2268254	20	7 16.8	18.4
66173 1998 VE_{50}	14.2	X	300.65990	155.89182	220.62630	12.46633	0.1120378	0.17169693	3.2059816	20	8 7.1	18.7
66174 1998 VZ_{52}	13.3	X	305.95062	356.81816	341.03397	20.89742	0.0375327	0.16800725	3.2527501	20	7 15.3	18.1
66175 1998 WD_{4}	15.5	X	10.22724	194.05883	166.92002	2.70054	0.2159418	0.27011656	2.3701104	20	12 23.1	18.1
66176 1998 WR_{4}	15.9	X	302.72925	269.55482	204.15513	22.69860	0.1374633	0.36299816	1.9462551	20	—	—
66177 1998 WE_{5}	14.3	X	313.85615	247.56848	151.53127	14.23667	0.1360208	0.17496255	3.1659640	20	10 3.0	18.2
66178 1998 WL_{13}	13.7	X	320.78636	112.65535	259.75809	12.11027	0.1272324	0.17318314	3.1876133	20	8 30.4	17.8
66179 1998 WB_{14}	16.5	X	42.55899	11.76238	29.54045	0.21086	0.2033755	0.27877545	2.3207750	20	—	—
66180 1998 WD_{14}	15.2	X	223.82007	198.41185	241.89269	3.17375	0.0761036	0.21369084	2.7708442	20	8 1.8	19.1
66181 1998 WL_{17}	16.1	X	283.56881	55.43634	36.23658	3.21148	0.1381394	0.26828162	2.3809052	20	11 11.5	18.3
66182 1998 WC_{23}	15.7	X	114.55495	329.22139	64.32153	2.03033	0.0252936	0.24034543	2.5619981	20	1 20.6	19.1
66183 1998 WJ_{33}	13.9	X	38.64056	87.25314	230.87875	14.15488	0.2589483	0.17830956	3.1262207	20	11 19.8	18.0
66184 1998 XW_{2}	15.5	X	44.97345	273.87168	107.21640	4.25687	0.1930067	0.28064880	2.3104359	20	—	—
66185 1998 XM_{47}	13.2	X	321.68294	141.05055	297.23859	12.89901	0.1719325	0.17822023	3.1272652	20	12 1.9	16.8
66186 1998 XS_{49}	14.2	X	154.39716	12.73823	335.87049	12.59874	0.1816174	0.23890988	2.5722508	20	1 31.9	18.3
66187 1998 XS_{73}	12.1	X	229.37117	172.08950	307.70264	7.67218	0.1607325	0.12382974	3.9864477	20	9 6.9	18.3
66188 1998 XK_{79}	13.6	X	314.22000	275.94539	104.07545	19.43919	0.1874695	0.17265947	3.1940555	20	9 5.6	17.6
66189 1998 XA_{97}	15.9	X	248.85361	157.37502	110.71311	7.00547	0.1197093	0.28000807	2.3139591	20	1 13.0	19.0
66190 1998 YX_{5}	15.5	X	225.73500	107.82995	312.47070	5.36465	0.1191308	0.25489024	2.4635832	20	7 7.7	19.1
66191 1998 YS_{6}	13.8	X	14.27628	164.64980	214.77923	0.14625	0.1603491	0.17977721	3.1091830	20	12 17.5	17.5
66192 1998 YW_{10}	15.4	X	172.98631	279.94670	302.92506	3.21085	0.0756266	0.31004710	2.1619763	20	12 25.2	18.1
66193 1999 AF_{22}	14.8	X	75.86148	141.57869	241.21813	4.83012	0.1666200	0.23065924	2.6332301	20	—	—
66194 1999 AT_{23}	14.7	X	77.44590	297.48052	140.08597	23.68441	0.2705781	0.28176804	2.3043135	20	2 29.5	16.8
66195 1999 AN_{25}	15.3	X	31.54736	71.22146	331.32270	18.70775	0.1072242	0.36439311	1.9412849	20	—	—
66196 1999 AE_{34}	15.9	X	145.96145	58.08124	120.43508	4.31531	0.1424308	0.29979752	2.2109760	20	9 23.3	19.1
66197 1999 BO_{6}	15.7	X	57.72653	255.27605	1.12350	3.69121	0.1169700	0.29477743	2.2360074	20	9 24.6	18.3
66198 1999 BH_{11}	15.5	X	141.74335	250.56597	335.05443	2.77554	0.1444212	0.30378082	2.1916060	20	11 17.3	18.6
66199 1999 BF_{13}	14.8	X	62.32129	132.88821	167.87863	3.25494	0.1546572	0.30554631	2.1831556	20	12 7.3	17.7
66200 1999 BT_{13}	16.2	X	168.34208	111.58097	136.53599	4.24963	0.1235837	0.31030592	2.1607740	20	—	—
66201 1999 BC_{20}	14.2	X	92.12261	57.93210	324.98502	14.27485	0.1425651	0.23357284	2.6112863	20	—	—
66202 1999 BJ_{21}	13.7	X	175.67675	348.73728	331.22729	14.34160	0.1145314	0.23508671	2.6000638	20	1 13.6	17.8
66203 1999 BV_{24}	14.0	X	7.57203	281.83421	219.27144	10.01703	0.1475627	0.18738887	3.0244067	20	1 15.9	17.7
66204 1999 BA_{26}	15.4	X	76.67102	335.47530	114.16607	24.99712	0.2579923	0.28405432	2.2919323	20	3 23.7	18.4
66205 1999 BJ_{27}	15.1	X	316.91450	253.20719	115.49667	3.10661	0.2437578	0.21406119	2.7676474	20	8 19.9	17.4
66206 1999 BQ_{31}	16.2	X	92.37954	258.58526	324.56792	2.01142	0.2035958	0.29911229	2.2143514	20	9 29.8	19.4
66207 Carpi	14.5	X	152.05559	263.72516	128.83333	6.85043	0.0313054	0.19138220	2.9821880	20	3 14.3	18.7
66208 1999 CQ_{6}	16.4	X	112.26796	263.35433	329.52517	5.50339	0.1581273	0.30158827	2.2022152	20	10 27.5	19.9
66209 1999 CC_{14}	14.6	X	131.41486	45.72381	346.79820	4.11001	0.2953468	0.23846347	2.5754600	20	3 11.5	18.9
66210 1999 CR_{14}	13.9	X	152.47886	342.39789	325.53291	12.86600	0.1605732	0.22284691	2.6944180	20	—	—
66211 1999 CA_{22}	13.3	X	281.92614	78.68209	353.08900	13.67075	0.2187947	0.17094464	3.2153807	20	9 10.1	17.3
66212 1999 CS_{32}	15.4	X	10.42678	160.79705	106.38862	6.28117	0.1527728	0.29306278	2.2447205	20	7 27.1	17.1
66213 1999 CQ_{33}	15.5	X	286.11118	244.78998	325.30242	1.51267	0.1433459	0.22861317	2.6489182	20	—	—
66214 1999 CO_{36}	15.0	X	342.93054	358.17591	116.52976	12.53752	0.1250019	0.22630602	2.6668912	20	—	—
66215 1999 CP_{38}	14.5	X	342.12134	99.03817	36.06398	1.52014	0.1450258	0.18158961	3.0884605	20	—	—
66216 1999 CJ_{42}	14.5	X	346.10904	167.57105	109.46975	3.34737	0.0164104	0.19950381	2.9006941	20	6 17.4	18.4
66217 1999 CZ_{42}	16.0	X	310.81194	357.58583	357.59398	1.95360	0.0268903	0.29804656	2.2196269	20	8 23.0	18.2
66218 1999 CU_{43}	13.8	X	84.50574	87.60782	0.95250	10.81470	0.0831002	0.18968161	2.9999860	20	3 8.1	17.8
66219 1999 CR_{50}	14.0	X	200.87311	323.29930	333.01980	13.19399	0.1151521	0.22796959	2.6539013	20	1 10.4	18.3
66220 1999 CZ_{68}	15.7	X	311.55331	56.45924	183.74271	6.39664	0.0923418	0.28266147	2.2994553	20	2 21.5	18.3
66221 1999 CH_{73}	15.0	X	146.42749	259.86368	242.90080	4.51157	0.0391843	0.29591712	2.2302625	20	7 29.9	17.9
66222 1999 CV_{75}	14.0	X	98.55512	100.08511	293.52356	8.33612	0.0960987	0.18415511	3.0597096	20	1 19.3	18.2
66223 1999 CE_{77}	13.7	X	252.89989	22.16763	311.45818	14.54901	0.1351514	0.24129098	2.5553006	20	4 3.7	17.8
66224 1999 CG_{77}	16.3	X	141.14446	3.89148	192.46512	5.46917	0.1303474	0.30072453	2.2064300	20	10 10.4	19.3
66225 1999 CL_{79}	15.8	X	74.70949	345.80313	161.59447	8.29370	0.1387048	0.28702757	2.2760771	20	5 15.9	18.4
66226 1999 CS_{89}	15.1	X	221.69341	67.94940	356.94122	5.45237	0.0898967	0.29802769	2.2197206	20	7 15.5	18.0
66227 1999 CR_{109}	13.1	X	278.52327	179.24933	277.48410	7.01256	0.2156114	0.12475033	3.9668116	20	9 25.1	18.6
66228 1999 CY_{109}	15.6	X	358.05820	197.77959	230.07383	5.73034	0.1015843	0.26905591	2.3763352	20	—	—
66229 1999 CH_{117}	15.3	X	113.77868	345.17606	277.13951	5.66055	0.0682435	0.30517970	2.1849036	20	12 6.9	18.3
66230 1999 CV_{117}	13.9	X	0.38395	257.39515	247.28909	10.69151	0.1918672	0.18369466	3.0648204	20	1 5.8	17.4
66231 1999 CD_{125}	15.0	X	29.52064	46.09574	49.72102	15.94894	0.1475149	0.23058569	2.6337900	20	—	—
66232 1999 CL_{135}	16.2	X	316.33341	100.67682	202.67122	1.00198	0.1721203	0.28881710	2.2666656	20	5 21.4	17.9
66233 1999 CC_{156}	15.6	X	66.71362	342.01344	248.05174	5.25510	0.2096000	0.29317148	2.2441656	20	9 9.5	18.6
66234 1999 CZ_{157}	15.1	X	109.07712	321.58993	325.62323	4.22081	0.1664569	0.30794831	2.1717884	20	—	—
66235 1999 ET	16.0	X	187.88416	357.19646	338.69019	3.57810	0.1685311	0.27992504	2.3144167	20	2 8.8	19.6
66236 1999 EP_{3}	14.8	X	133.90100	252.18980	353.58058	7.73598	0.1076126	0.30175812	2.2013888	20	12 5.5	18.1
66237 1999 ET_{5}	15.0	X	302.19753	301.72229	147.62808	4.94161	0.0769296	0.21535669	2.7565369	20	11 30.9	18.4
66238 1999 FZ	16.1	X	347.15093	59.30154	204.30311	2.36459	0.1632541	0.28417349	2.2912915	20	5 24.1	17.6
66239 1999 FK_{2}	14.4	X	184.92969	58.48444	352.92509	11.59254	0.0530432	0.19493061	2.9458866	20	5 9.0	19.0
66240 1999 FJ_{9}	14.9	X	272.00506	2.49417	139.98853	5.54347	0.0191974	0.30875567	2.1680007	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
66241 1999 FN_{17}	16.0	X	157.13943	229.97991	22.09223	3.76628	0.0651350	0.21294710	2.7772921	20	12 22.1	20.1
66242 1999 FY_{17}	15.0	X	137.10914	132.37980	189.71510	8.42768	0.0107768	0.21954361	2.7213779	20	—	—
66243 1999 FV_{28}	15.0	X	94.02897	113.38101	177.45250	5.36653	0.1815043	0.30140828	2.2030918	20	12 26.0	18.5
66244 1999 FW_{28}	16.4	X	1.12171	199.37717	34.94790	2.70980	0.1809512	0.28331714	2.2959063	20	5 5.6	17.8
66245 1999 FH_{29}	15.2	X	305.60276	121.47041	156.94506	6.67785	0.1159502	0.28175242	2.3043986	20	4 6.9	17.8
66246 1999 FC_{30}	15.9	X	339.66719	67.62406	157.41836	6.08190	0.1400456	0.27978868	2.3151686	20	3 10.2	18.2
66247 1999 FN_{34}	15.6	X	354.37130	222.91656	51.05544	6.44245	0.1536996	0.28678891	2.2773397	20	6 29.6	17.4
66248 1999 FC_{37}	13.8	X	228.37997	1.36924	330.14874	14.67959	0.1059801	0.23671137	2.5881531	20	3 12.7	17.8
66249 1999 FG_{48}	14.9	X	148.99918	64.49632	358.40503	5.51271	0.1423165	0.28633570	2.2797421	20	4 18.1	18.2
66250 1999 GZ	14.8	X	13.10207	166.58646	16.14062	12.13211	0.1262165	0.23468027	2.6030649	20	3 20.4	17.5
66251 1999 GJ_{2}	16.9	X	276.48255	142.47612	196.21144	11.27820	0.1980218	0.51798627	1.5355262	20	4 28.6	17.6
66252 1999 GM_{2}	14.6	X	178.84732	161.37926	146.11861	4.50911	0.1985472	0.26591291	2.3950234	20	—	—
66253 1999 GT_{3}	18.3	X	299.89225	261.09125	157.38133	19.49955	0.8377169	0.63968696	1.3340058	20	6 21.8	19.3
66254 1999 GZ_{19}	15.0	X	356.01490	231.25044	42.05726	4.45653	0.1680510	0.28585576	2.2822931	20	7 3.1	16.5
66255 1999 GP_{31}	16.1	X	298.89921	94.41024	163.88289	1.99519	0.1873643	0.27700375	2.3306602	20	2 16.6	19.1
66256 1999 GU_{33}	15.6	X	338.67243	237.42686	74.23172	7.64715	0.1921392	0.28771090	2.2724718	20	7 29.7	17.1
66257 1999 GA_{34}	14.6	X	313.59807	277.10266	49.88302	6.54423	0.1692290	0.28650507	2.2788435	20	6 24.2	16.6
66258 1999 GQ_{34}	15.4	X	202.77975	32.19416	245.01884	4.25580	0.2172852	0.26731772	2.3866251	20	—	—
66259 1999 GP_{35}	15.6	X	215.41114	342.65309	252.40197	1.89064	0.1521034	0.26430971	2.4046985	20	—	—
66260 1999 GZ_{35}	15.1	X	267.97703	151.24398	285.26466	3.61303	0.0914409	0.29939947	2.2129352	20	10 4.9	17.5
66261 1999 GM_{37}	15.0	X	119.00802	103.21700	106.17941	7.67002	0.0117127	0.29836677	2.2180385	20	10 2.2	17.7
66262 1999 GY_{49}	15.6	X	187.47729	260.49866	348.21873	2.25663	0.1278428	0.26296511	2.4128887	20	—	—
66263 1999 GT_{58}	14.8	X	267.00351	121.50655	81.62412	7.57824	0.1435305	0.22287050	2.6942278	20	—	—
66264 1999 HR	15.6	X	345.97756	50.82757	236.36992	6.45561	0.1767855	0.28522801	2.2856406	20	6 30.7	17.1
66265 1999 HZ_{6}	15.9	X	11.69707	296.24357	21.79031	0.48289	0.0978800	0.29361902	2.2418846	20	10 11.5	18.0
66266 1999 HQ_{9}	15.4	X	357.44124	23.97330	220.36877	5.55135	0.1119361	0.28370329	2.2938225	20	5 17.2	17.4
66267 1999 JO_{1}	16.0	X	181.85465	231.65104	77.33046	2.07134	0.2692993	0.26634233	2.3924485	20	1 8.0	20.1
66268 1999 JJ_{3}	14.2	X	251.61460	265.41799	94.36570	7.45335	0.1380838	0.28240884	2.3008264	20	5 15.6	17.3
66269 1999 JN_{3}	14.4	X	267.63204	112.93514	222.54647	20.60027	0.2852213	0.28179018	2.3041928	20	4 9.1	18.2
66270 1999 JK_{4}	14.5	X	248.89614	142.70117	224.46353	22.61364	0.2549235	0.28200572	2.3030185	20	5 8.1	18.1
66271 1999 JM_{6}	15.3	X	278.36248	24.95690	236.58230	11.96809	0.1732505	0.27377542	2.3489462	20	1 27.0	19.0
66272 1999 JW_{6}	17.1	X	211.29743	68.47532	66.38991	51.31277	0.1433092	0.53250606	1.5074850	20	11 29.9	16.4
66273 1999 JU_{7}	16.0	X	284.29264	52.13217	262.04260	1.09984	0.2365811	0.27740799	2.3283954	20	4 6.5	19.1
66274 1999 JS_{8}	14.7	X	0.12528	286.41718	250.12179	10.20624	0.2348430	0.22856950	2.6492556	20	1 30.0	17.4
66275 1999 JX_{8}	16.2	X	319.39530	259.81208	49.23814	1.59539	0.2349402	0.28263423	2.2996031	20	5 25.4	17.9
66276 1999 JG_{9}	15.9	X	258.74811	141.38226	135.32134	7.58096	0.1848157	0.27239937	2.3568502	20	1 29.9	19.6
66277 1999 JY_{10}	15.3	X	170.87412	241.27720	70.91594	24.84200	0.2955782	0.26536584	2.3983140	20	1 3.6	19.7
66278 1999 JC_{11}	15.6	X	179.54509	179.16214	134.55489	3.14739	0.2039011	0.26468895	2.4024010	20	1 8.2	19.5
66279 1999 JK_{11}	15.3	X	26.72138	161.50190	223.68182	5.11123	0.1298759	0.30443631	2.1884590	20	—	—
66280 1999 JF_{12}	15.2	X	303.50611	128.38880	174.36279	23.71945	0.2818953	0.27836074	2.3230795	20	4 11.8	18.1
66281 1999 JY_{12}	15.5	X	294.17161	162.96523	91.32839	8.45936	0.1667756	0.27528355	2.3403593	20	2 11.4	18.7
66282 1999 JA_{13}	15.4	X	283.46382	71.43143	197.26116	3.00004	0.2088125	0.27365017	2.3496630	20	2 9.7	18.9
66283 1999 JU_{13}	14.5	X	319.21947	235.49682	37.15153	10.15678	0.2495616	0.27858162	2.3218513	20	3 29.8	17.0
66284 1999 JU_{15}	13.8	X	314.50917	290.56417	70.13163	6.25705	0.1872887	0.28901873	2.2656113	20	8 26.5	15.5
66285 1999 JV_{15}	16.2	X	301.28717	226.22969	82.16383	7.44598	0.1305104	0.28105486	2.3082100	20	5 11.8	18.7
66286 1999 JF_{18}	15.3	X	212.52484	31.94953	232.60701	8.81639	0.1916815	0.26599482	2.3945317	20	—	—
66287 1999 JT_{18}	15.1	X	294.11126	359.04526	337.46374	4.89319	0.1497710	0.28560427	2.2836327	20	6 5.6	17.6
66288 1999 JE_{20}	14.9	X	277.12371	52.77465	258.21672	3.38723	0.1677254	0.27958116	2.3163141	20	4 1.8	17.9
66289 1999 JW_{22}	15.4	X	309.97863	201.87374	34.36120	3.96747	0.1257991	0.27585215	2.3371422	20	2 12.8	18.2
66290 1999 JX_{22}	15.9	X	232.38297	68.93742	217.97593	0.48364	0.1945785	0.27047781	2.3679996	20	1 19.1	19.8
66291 1999 JM_{23}	15.3	X	16.77272	226.81813	48.99890	7.01040	0.1093750	0.28876071	2.2669607	20	8 20.7	17.6
66292 1999 JP_{24}	15.0	X	173.57306	308.66824	254.09846	5.31037	0.0986574	0.25447834	2.4662410	20	11 14.7	18.6
66293 1999 JD_{25}	15.2	X	317.50591	21.16528	265.59077	5.09962	0.1511546	0.28163748	2.3050256	20	4 29.1	17.7
66294 1999 JS_{27}	15.3	X	159.38482	161.81691	131.06232	1.15014	0.3374027	0.25964699	2.4334020	20	—	—
66295 1999 JC_{29}	15.1	X	319.69106	34.21799	251.11253	8.07791	0.1417352	0.28176406	2.3043352	20	5 2.7	17.3
66296 1999 JM_{29}	15.3	X	65.39535	65.08146	254.94103	5.27415	0.1714584	0.29873204	2.2162301	20	—	—
66297 1999 JF_{30}	15.7	X	22.02621	261.00341	55.16706	6.30240	0.1845018	0.29220235	2.2491249	20	11 9.2	17.9
66298 1999 JJ_{30}	15.1	X	29.64740	346.82691	229.96386	9.34611	0.0945352	0.28290182	2.2981527	20	6 4.5	17.3
66299 1999 JG_{32}	15.2	X	291.04517	177.74453	73.95931	5.17091	0.1269500	0.27465669	2.3439190	20	2 9.3	18.4
66300 1999 JQ_{33}	15.2	X	294.76478	2.75995	240.24736	5.94363	0.1462932	0.27401218	2.3475930	20	1 26.9	18.4
66301 1999 JF_{35}	16.1	X	232.68767	44.12523	229.30132	2.02008	0.1862303	0.26858544	2.3791094	20	1 3.4	19.8
66302 1999 JP_{36}	14.2	X	6.52639	332.75267	212.28617	5.33172	0.0588548	0.18311296	3.0713077	20	3 15.9	18.2
66303 1999 JG_{37}	15.7	X	267.99746	253.66509	38.40523	5.39376	0.1578485	0.27531354	2.3401894	20	3 3.3	19.0
66304 1999 JV_{37}	15.3	X	25.35836	76.47683	270.52967	4.05688	0.2023421	0.29666625	2.2265064	20	12 29.7	17.9
66305 1999 JD_{38}	14.9	X	242.17405	254.91684	25.94183	8.25134	0.2286772	0.26989816	2.3713888	20	1 21.0	19.0
66306 1999 JG_{39}	15.5	X	37.02737	296.42431	20.10228	4.32979	0.2220552	0.29367997	2.2415744	20	12 4.5	18.5
66307 1999 JV_{40}	14.4	X	298.51478	71.67062	199.48466	6.43017	0.2028712	0.27669107	2.3324157	20	2 29.4	17.6
66308 1999 JX_{40}	15.1	X	48.68379	146.47919	186.92318	4.92306	0.0904403	0.29940192	2.2129232	20	12 25.2	18.0
66309 1999 JX_{41}	15.4	X	270.31944	83.37344	193.10040	4.50071	0.2214113	0.27325685	2.3519171	20	2 5.1	19.1
66310 1999 JZ_{41}	16.0	X	33.29681	38.30238	193.65038	2.83021	0.1159884	0.28539425	2.2847529	20	7 8.0	18.3
66311 1999 JE_{42}	15.8	X	352.11874	220.68151	55.21079	4.95485	0.1767397	0.23722073	2.5844469	20	6 23.9	18.0
66312 1999 JJ_{43}	15.1	X	331.57476	234.60835	38.86303	7.06142	0.2037837	0.28100333	2.3084922	20	4 28.6	17.0
66313 1999 JQ_{43}	14.7	X	253.75723	6.46197	258.66024	5.96001	0.0985426	0.27074115	2.3664638	20	1 16.1	18.1
66314 1999 JQ_{45}	15.8	X	211.22392	146.70056	161.54850	2.71186	0.1755605	0.26919862	2.3754952	20	1 26.9	19.6
66315 1999 JB_{48}	15.2	X	74.15272	268.02940	296.40925	3.67799	0.1284530	0.24054489	2.5605816	20	7 30.6	18.4
66316 1999 JR_{49}	14.3	X	264.94695	68.68054	219.87714	10.15447	0.0740008	0.18151292	3.0893303	20	3 8.2	19.0
66317 1999 JL_{50}	15.4	X	80.60555	340.09543	160.75374	4.94790	0.0656302	0.28042134	2.3116851	20	5 2.2	18.0
66318 1999 JC_{51}	15.0	X	237.26139	136.34081	183.92216	4.03165	0.1319094	0.27427093	2.3461163	20	3 6.7	18.4
66319 1999 JQ_{51}	15.0	X	20.05303	312.50408	226.95201	6.69208	0.0529996	0.27714979	2.3298414	20	3 17.1	17.6
66320 1999 JT_{51}	15.5	X	323.53154	40.72220	228.01015	6.16753	0.1609126	0.27963914	2.3159939	20	4 10.9	18.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
66321 1999 JW_{51}	15.3	X	332.80349	184.30417	39.97940	3.07559	0.1621831	0.27661612	2.3328370	20	2 24.0	17.6
66322 1999 JV_{52}	15.7	X	263.40813	148.75492	151.74257	1.73422	0.2764753	0.27357955	2.3500673	20	2 25.3	19.5
66323 1999 JH_{53}	14.9	X	0.93894	99.45408	191.88395	7.08291	0.1234815	0.28695920	2.2764387	20	8 9.2	16.9
66324 1999 JC_{55}	15.3	X	284.25048	33.92652	228.35612	4.44456	0.1275586	0.27380220	2.3487931	20	2 11.2	18.4
66325 1999 JF_{55}	15.5	X	268.86712	193.13765	92.21402	6.28449	0.2216109	0.27343656	2.3508865	20	2 18.2	19.2
66326 1999 JR_{55}	15.4	X	286.60564	142.86404	182.97155	5.45143	0.1592313	0.28054005	2.3110330	20	5 9.6	18.2
66327 1999 JY_{56}	16.1	X	296.01348	89.00463	198.82988	4.11524	0.1665203	0.27775890	2.3264339	20	3 26.8	18.9
66328 1999 JK_{58}	15.3	X	355.94956	35.08697	256.00918	4.34271	0.1482056	0.28551403	2.2841138	20	7 31.4	17.0
66329 1999 JP_{58}	15.4	X	48.91557	328.88724	229.20503	5.56252	0.0706427	0.28265525	2.2994891	20	6 5.9	17.8
66330 1999 JS_{59}	15.5	X	97.95233	63.91579	155.66453	4.37435	0.1353146	0.24492052	2.5299927	20	9 19.7	19.1
66331 1999 JY_{59}	15.3	X	220.07786	148.93657	140.86463	2.76093	0.2081714	0.26731114	2.3866643	20	1 12.5	19.1
66332 1999 JE_{60}	15.4	X	60.55573	144.96609	63.60160	6.28380	0.0962052	0.28543900	2.2845141	20	7 16.2	18.0
66333 1999 JS_{60}	15.5	X	303.37758	40.88345	161.68260	2.74826	0.1039202	0.26956910	2.3733183	20	—	—
66334 1999 JC_{61}	14.9	X	357.59837	70.41768	112.98952	6.87077	0.0469138	0.27378273	2.3489044	20	2 21.9	17.5
66335 1999 JZ_{61}	13.5	X	139.70244	12.46077	254.68910	10.57984	0.1995851	0.25455927	2.4657182	20	12 27.3	17.6
66336 1999 JB_{62}	15.0	X	6.91025	29.36705	280.60703	0.79085	0.1945716	0.28804852	2.2706958	20	10 4.2	16.8
66337 1999 JP_{63}	15.4	X	342.59094	98.74691	218.54621	7.11638	0.2007979	0.28543978	2.2845099	20	8 13.6	17.0
66338 1999 JV_{63}	16.0	X	238.81274	109.48394	164.95653	5.01903	0.1512565	0.26825508	2.3810622	20	1 10.7	19.8
66339 1999 JW_{64}	15.1	X	222.36198	349.66814	255.83735	3.92701	0.1567455	0.26327113	2.4110186	20	—	—
66340 1999 JX_{65}	15.2	X	125.99738	219.47775	81.99844	1.81490	0.1383536	0.30612640	2.1803967	20	—	—
66341 1999 JK_{66}	15.5	X	346.66671	254.80472	70.59190	6.70223	0.1954929	0.29046271	2.2580963	20	9 19.6	17.1
66342 1999 JA_{68}	15.8	X	336.59060	190.70315	73.74979	8.16825	0.1880688	0.28206008	2.3027226	20	4 30.3	17.8
66343 1999 JV_{68}	14.9	X	174.18600	107.72581	136.57808	3.00949	0.1497733	0.25885079	2.4383894	20	—	—
66344 1999 JS_{70}	15.2	X	283.59475	197.63416	78.02350	7.78868	0.1017963	0.27676003	2.3320282	20	3 8.7	18.3
66345 1999 JK_{71}	16.0	X	12.47453	162.13549	106.25962	5.52921	0.1200480	0.28708912	2.2757518	20	7 28.8	18.0
66346 1999 JU_{71}	15.4	X	53.79208	123.49936	191.02723	6.74030	0.2188575	0.29628397	2.2284212	20	12 20.5	18.7
66347 1999 JW_{72}	15.2	X	348.11511	227.33082	75.64419	7.71081	0.1365563	0.28726654	2.2748147	20	8 7.4	17.1
66348 1999 JC_{73}	15.4	X	251.92125	339.93690	191.16450	7.45036	0.1448233	0.26115019	2.4240551	20	—	—
66349 1999 JF_{75}	15.7	X	7.92388	100.45400	240.99735	2.34000	0.1716306	0.29330898	2.2434642	20	11 21.2	17.8
66350 1999 JS_{76}	14.7	X	271.17024	9.59885	224.46246	7.69685	0.0993107	0.26849350	2.3796524	20	—	—
66351 1999 JU_{77}	15.4	X	8.29244	124.49660	125.16970	7.68260	0.0815588	0.28336333	2.2956567	20	6 16.3	17.7
66352 1999 JS_{78}	15.7	X	342.19551	18.08897	185.80415	3.65431	0.0826432	0.27531487	2.3401818	20	2 19.6	18.4
66353 1999 JP_{79}	15.4	X	238.41716	170.73346	72.74899	3.38153	0.1570417	0.26613787	2.3936736	20	—	—
66354 1999 JM_{83}	14.8	X	274.99510	124.45357	129.33890	14.02707	0.0205435	0.27286254	2.3541824	20	2 4.9	17.6
66355 1999 JN_{85}	15.3	X	154.51350	107.13628	155.08111	8.73999	0.2070100	0.25646721	2.4534741	20	—	—
66356 1999 JG_{87}	15.4	X	216.32129	194.42168	105.90070	6.28248	0.2372550	0.26933150	2.3747138	20	1 22.4	19.3
66357 1999 JN_{87}	15.3	X	343.98932	237.39029	81.63408	8.43305	0.1898800	0.28942573	2.2634868	20	8 31.3	16.9
66358 1999 JW_{87}	15.6	X	293.87310	159.69089	153.69900	7.46679	0.3135208	0.27984977	2.3148316	20	4 8.7	18.7
66359 1999 JP_{88}	15.6	X	323.33572	251.30635	87.21076	7.66334	0.1932616	0.28852561	2.2681919	20	8 6.7	17.1
66360 1999 JQ_{89}	13.3	X	155.39221	256.27114	64.89442	27.00917	0.1898692	0.17121314	3.2120182	20	1 5.6	18.8
66361 1999 JH_{90}	15.5	X	193.95758	122.65256	135.08945	10.23770	0.1743796	0.26232598	2.4168063	20	—	—
66362 1999 JQ_{90}	15.2	X	265.47812	16.58754	129.00689	11.39384	0.0925512	0.25964447	2.4334177	20	12 30.9	18.0
66363 1999 JX_{91}	15.8	X	158.22240	64.99455	104.16212	7.70256	0.0522413	0.29441676	2.2378331	20	9 27.3	18.8
66364 1999 JH_{92}	14.6	X	224.47097	339.04658	65.65625	22.94357	0.0626259	0.23965673	2.5669040	20	6 17.4	18.3
66365 1999 JV_{92}	15.9	X	3.56325	142.88549	158.07074	8.47202	0.2100990	0.28780582	2.2719722	20	9 16.4	17.5
66366 1999 JS_{95}	15.8	X	3.66879	168.64341	150.82619	6.77523	0.1430674	0.29044262	2.2582004	20	10 8.2	17.9
66367 1999 JW_{95}	15.8	X	293.06740	35.90829	189.82089	11.53595	0.1944464	0.27161998	2.3613566	20	—	—
66368 1999 JP_{98}	15.3	X	284.57287	162.71046	122.13468	11.28455	0.2126923	0.27549048	2.3391872	20	3 6.3	18.7
66369 1999 JA_{103}	15.8	X	264.31322	239.47194	95.64070	7.70277	0.1390270	0.28062037	2.3105919	20	4 28.3	19.0
66370 1999 JJ_{113}	15.9	X	210.21787	47.17414	255.84977	1.82718	0.1785662	0.26821959	2.3812723	20	1 19.9	19.8
66371 1999 JT_{113}	15.8	X	223.77616	208.39464	128.73850	3.16227	0.2324567	0.27317820	2.3523685	20	3 12.6	19.6
66372 1999 JV_{114}	15.1	X	280.32705	281.80761	293.86099	2.76520	0.1548299	0.26882404	2.3777014	20	—	—
66373 1999 JW_{114}	15.0	X	275.70006	35.40920	266.27373	6.35669	0.1151717	0.27737448	2.3285830	20	3 23.9	18.1
66374 1999 JO_{120}	15.6	X	291.37720	203.85476	60.01330	7.84081	0.1310009	0.27452432	2.3446724	20	2 27.6	18.8
66375 1999 JF_{121}	15.1	X	6.98405	233.23841	96.89288	8.76053	0.1616868	0.29100600	2.2552850	20	11 4.4	17.4
66376 1999 JH_{122}	14.9	X	49.75308	269.43103	54.46093	3.20118	0.1560512	0.29565557	2.2315776	20	12 21.2	17.8
66377 1999 JJ_{122}	15.7	X	67.66918	11.01836	246.30132	5.29558	0.1295522	0.29127316	2.2539057	20	10 7.9	18.8
66378 1999 JL_{122}	15.2	X	238.78608	111.91683	38.44188	3.28837	0.0410474	0.30046606	2.2076951	20	12 16.5	17.7
66379 1999 JZ_{123}	15.4	X	221.45222	38.03996	206.66494	6.91660	0.2011752	0.26300513	2.4126440	20	—	—
66380 1999 JV_{124}	16.0	X	242.58380	78.49478	228.16161	5.88584	0.1439903	0.27423940	2.3462961	20	2 20.9	19.8
66381 1999 JZ_{126}	15.7	X	209.63139	77.10950	225.36244	4.91327	0.2171284	0.26712206	2.3877904	20	1 18.4	19.8
66382 1999 JC_{127}	15.5	X	207.23502	348.39314	298.59016	3.95431	0.2075243	0.26534173	2.3984593	20	—	—
66383 1999 JK_{130}	16.5	X	244.74755	174.69394	122.53919	3.71393	0.2417762	0.27232337	2.3572887	20	2 9.0	20.5
66384 1999 JO_{131}	16.1	X	296.70445	341.66284	248.26199	2.05257	0.1173257	0.27193428	2.3595368	20	1 17.9	19.2
66385 1999 JY_{131}	16.3	X	208.80900	22.64677	217.27539	1.71821	0.1660544	0.26106029	2.4246116	20	—	—
66386 1999 JJ_{134}	16.1	X	18.10227	136.29636	181.67236	5.17054	0.1900975	0.29297928	2.2451470	20	11 7.8	18.4
66387 1999 JE_{136}	16.6	X	9.09886	46.46823	193.96651	1.02749	0.1880854	0.28357518	2.2945133	20	6 7.9	18.1
66388 1999 KF_{1}	15.4	X	348.22986	246.92896	53.35053	15.22718	0.2422396	0.23755048	2.5820547	20	7 31.5	17.7
66389 1999 KP_{1}	15.4	X	39.22105	65.57808	200.13460	1.05331	0.0221183	0.19876977	2.9078310	20	8 14.3	19.3
66390 1999 KL_{3}	14.0	X	24.88983	40.25478	65.08805	10.22893	0.0679504	0.17484561	3.1673755	20	1 6.1	18.2
66391 1999 KW_{4}	16.5	X	113.90467	192.64204	244.90437	38.88571	0.6884352	1.91451521	0.6423378	20	—	—
66392 1999 KF_{10}	15.5	X	53.87483	299.10034	249.16413	2.09270	0.1073145	0.23604934	2.5929900	20	6 4.5	18.5
66393 1999 KU_{10}	15.4	X	354.74976	69.67972	217.97133	6.01054	0.1136123	0.28546783	2.2843603	20	7 20.5	17.5
66394 1999 KP_{11}	16.3	X	226.57024	163.06213	80.50852	3.05271	0.1761710	0.26408675	2.4060518	20	—	—
66395 1999 KS_{12}	15.8	X	207.96297	16.90696	235.45881	2.01609	0.1908744	0.26223941	2.4173382	20	—	—
66396 1999 KQ_{13}	14.8	X	328.53388	288.62182	254.63294	6.10226	0.0712093	0.26972890	2.3723807	20	1 4.9	17.6
66397 1999 KP_{14}	15.8	X	276.34598	128.75251	188.61891	2.90513	0.2540335	0.27607883	2.3358627	20	3 31.4	19.3
66398 1999 KS_{14}	14.9	X	250.47438	215.29911	78.27063	6.05783	0.2781645	0.27036647	2.3686496	20	2 8.9	19.0
66399 1999 LH	16.2	X	292.42478	191.21193	111.04392	3.46086	0.2187288	0.27735286	2.3287040	20	4 5.4	19.1
66400 1999 LT_{7}	19.1	X	54.08164	341.35078	79.85396	9.06597	0.5724440	1.24568379	0.8554557	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
66401 1999 LJ_{11}	15.3	X	159.57523	198.47333	144.70891	9.32390	0.2539041	0.26350724	2.4095781	20	1 29.9	19.3
66402 1999 LY_{12}	15.1	X	339.95290	141.45047	177.75314	4.24586	0.1889765	0.28492797	2.2872448	20	8 12.1	16.5
66403 1999 LM_{13}	15.4	X	218.83495	140.90477	166.71813	5.11869	0.2337336	0.26734754	2.3864477	20	1 31.9	19.6
66404 1999 LK_{20}	16.1	X	305.78690	207.05390	56.67902	2.98191	0.1943048	0.27575313	2.3377017	20	3 4.7	18.8
66405 1999 LZ_{20}	15.5	X	350.23889	263.09478	81.05072	7.34156	0.1987415	0.28928591	2.2642160	20	10 29.3	17.3
66406 1999 LA_{22}	15.1	X	134.85884	329.74352	134.42905	5.37431	0.0874797	0.28047531	2.3113886	20	5 26.6	18.2
66407 1999 LQ_{28}	18.9	X	205.70766	320.53002	95.00043	21.77242	0.1200085	0.75122307	1.1984597	20	6 19.7	18.1
66408 1999 LA_{35}	15.9	X	222.08321	200.03577	151.96625	2.70346	0.1855747	0.27538022	2.3398116	20	3 31.0	19.7
66409 1999 MK_{1}	14.4	X	19.49820	20.72988	307.95747	14.32677	0.1282980	0.24037109	2.5618157	20	10 24.2	17.8
66410 1999 NS_{6}	15.9	X	169.71026	341.85985	287.48290	3.93633	0.1867439	0.25541545	2.4602049	20	—	—
66411 1999 NB_{7}	13.8	X	216.24024	163.01983	297.78232	12.06638	0.1352486	0.23616102	2.5921725	20	8 13.7	17.7
66412 1999 NW_{7}	15.5	X	119.24734	11.23207	291.51282	8.13991	0.1226982	0.25126714	2.4872088	20	—	—
66413 1999 NX_{7}	14.9	X	20.71525	12.40313	297.69700	13.42315	0.1705086	0.23922560	2.5699871	20	10 5.8	18.2
66414 1999 NC_{8}	14.7	X	278.48100	189.49595	129.81318	14.43088	0.1996774	0.22674750	2.6634285	20	4 21.4	18.8
66415 1999 NG_{8}	15.7	X	223.22712	343.84927	343.88696	0.87313	0.1943567	0.26724658	2.3870487	20	3 1.3	19.7
66416 1999 NR_{9}	14.4	X	315.29087	119.59813	303.62989	11.57755	0.1173295	0.24291689	2.5438856	20	11 20.0	17.3
66417 1999 NC_{10}	15.7	X	149.83406	71.27133	313.48635	5.11914	0.1385692	0.26357101	2.4091895	20	3 1.6	19.3
66418 1999 NN_{10}	14.6	X	329.63466	262.16674	128.18586	12.82148	0.2713574	0.23842758	2.5757185	20	11 12.9	16.6
66419 1999 NR_{13}	14.2	X	348.24918	248.79664	282.17030	20.22346	0.3391519	0.27057717	2.3674198	20	—	—
66420 1999 NA_{15}	16.0	X	285.03552	204.66094	97.71371	6.51790	0.2250756	0.27436117	2.3456018	20	3 28.6	19.3
66421 1999 NQ_{19}	15.4	X	151.42772	193.94472	130.82704	5.95811	0.1230869	0.25914765	2.4365268	20	—	—
66422 1999 NN_{23}	15.8	X	143.14649	203.45065	146.60241	1.95710	0.2080684	0.25956478	2.4339158	20	1 20.0	19.4
66423 1999 NV_{26}	15.2	X	323.92589	126.03747	129.85720	5.41863	0.1980444	0.27518634	2.3409105	20	3 21.2	17.7
66424 1999 NA_{27}	15.4	X	334.99900	136.09175	126.95808	5.53240	0.1599386	0.27695171	2.3309521	20	4 29.1	17.6
66425 1999 NS_{32}	15.2	X	192.80296	208.00894	102.17142	3.78564	0.2397030	0.26212962	2.4180131	20	1 16.9	19.3
66426 1999 NW_{33}	15.2	X	131.57568	259.59611	82.57732	7.85489	0.1874781	0.25752405	2.4467571	20	—	—
66427 1999 NP_{34}	15.6	X	264.52680	17.31695	288.95261	4.09766	0.1229080	0.27160105	2.3614663	20	3 17.4	18.9
66428 1999 NB_{36}	15.9	X	221.32329	114.38528	143.21322	1.84454	0.1559576	0.26083041	2.4260360	20	—	—
66429 1999 NQ_{38}	15.2	X	31.72662	29.71279	335.71854	8.17271	0.2707892	0.24488379	2.5302457	20	—	—
66430 1999 NX_{41}	15.0	X	146.74240	217.04003	113.45898	10.05189	0.2586923	0.25655128	2.4529381	20	1 5.3	18.7
66431 1999 NX_{45}	16.0	X	163.10306	151.59105	156.09887	7.35226	0.1508668	0.25987447	2.4319817	20	—	—
66432 1999 NL_{46}	14.9	X	160.71658	80.46945	251.61044	8.74151	0.2729139	0.26051152	2.4280153	20	1 17.9	19.0
66433 1999 NF_{49}	14.7	X	108.28343	81.55446	295.20554	20.90657	0.2928801	0.25600572	2.4564217	20	1 25.4	17.9
66434 1999 NX_{49}	15.8	X	119.98921	43.72455	291.65785	9.17951	0.2296165	0.25427900	2.4675297	20	—	—
66435 1999 NT_{50}	15.5	X	147.08557	161.31660	176.98532	2.49024	0.1993817	0.25928495	2.4356666	20	1 8.4	19.1
66436 1999 NT_{52}	14.9	X	111.11439	73.88450	198.25556	11.65630	0.1192447	0.24756263	2.5119597	20	12 7.3	18.9
66437 1999 NK_{54}	14.9	X	17.23992	26.41861	226.92020	12.11791	0.2261464	0.23316131	2.6143580	20	7 17.7	17.6
66438 1999 NN_{54}	15.0	X	337.86537	109.37202	215.31754	10.80953	0.1844964	0.23433027	2.6056563	20	8 3.6	17.6
66439 1999 NG_{55}	14.2	X	256.48867	127.79395	256.58999	13.76502	0.1332614	0.22934476	2.6432820	20	6 22.2	17.8
66440 1999 NF_{56}	14.0	X	302.78675	87.04646	271.94593	13.13880	0.1058638	0.23256906	2.6187945	20	7 25.8	17.2
66441 1999 NX_{56}	14.6	X	91.95087	348.46248	282.35217	13.45830	0.1397416	0.24271801	2.5452750	20	11 14.1	18.7
66442 1999 NZ_{56}	14.5	X	301.31127	131.95166	209.10244	14.42265	0.2203370	0.22974834	2.6401856	20	6 11.7	17.8
66443 1999 NW_{57}	15.2	X	32.05600	115.50791	161.37204	13.46273	0.2515893	0.23921954	2.5700305	20	10 2.1	18.2
66444 1999 NS_{59}	14.6	X	303.86357	36.46032	252.23944	10.99489	0.1863920	0.22713108	2.6604290	20	4 4.9	18.2
66445 1999 NV_{59}	15.3	X	171.47346	156.20648	197.49071	10.82117	0.1028629	0.21664360	2.7456097	20	2 14.8	19.6
66446 1999 NF_{61}	14.7	X	303.19245	54.01641	258.62353	12.14549	0.1731102	0.23013311	2.6372420	20	5 12.0	17.9
66447 1999 NG_{65}	15.4	X	215.65845	188.17735	131.17953	7.04443	0.1575579	0.26560277	2.3968875	20	2 14.9	19.1
66448 1999 OY_{1}	14.2	X	31.29957	100.25611	262.22481	13.75028	0.1687892	0.24202455	2.5501346	20	—	—
66449 1999 OZ_{1}	14.4	X	35.42828	79.45356	258.89965	12.96960	0.2415464	0.24061811	2.5600622	20	12 21.7	17.9
66450 1999 OH_{2}	14.4	X	29.79650	37.58776	297.72817	14.30407	0.1723778	0.23867022	2.5739725	20	11 29.6	17.9
66451 1999 OS_{2}	14.5	X	46.52506	55.87259	288.59310	12.12259	0.1974515	0.24128339	2.5553542	20	—	—
66452 1999 OF_{4}	6.9	X	104.85387	94.16692	134.35733	2.65642	0.0644974	0.00323882	45.2423201	20	9 3.5	23.5
66453 1999 PC	14.8	X	358.63263	185.48407	137.44806	14.03736	0.2708506	0.23721007	2.5845244	20	10 12.2	17.2
66454 Terezabeatriz	15.7	X	53.81647	202.57326	149.24237	11.45971	0.2672627	0.24541286	2.5266078	20	—	—
66455 1999 PV_{2}	15.3	X	43.91069	246.69721	340.66701	12.02352	0.2679740	0.23186090	2.6241241	20	8 13.6	18.4
66456 1999 PS_{5}	15.3	X	313.94044	236.60835	158.17922	6.78717	0.3387124	0.23463822	2.6033759	20	9 15.1	16.7
66457 1999 PY_{7}	16.2	X	71.89755	343.71362	317.83598	2.51062	0.2349092	0.24527221	2.5275736	20	12 13.2	20.2
66458 Romaplanetario	15.7	X	322.88254	208.35851	167.32160	6.94348	0.3592396	0.23367659	2.6105133	20	9 7.1	16.8
66459 1999 RD_{4}	14.9	X	204.69078	158.26085	165.95823	9.31506	0.1583283	0.21667573	2.7453383	20	2 13.9	19.4
66460 1999 RX_{8}	15.8	X	267.20267	75.42088	338.85927	2.37037	0.1607300	0.23203697	2.6227965	20	8 13.1	19.1
66461 1999 RQ_{11}	15.3	X	90.17355	18.11318	245.49593	4.42367	0.1757152	0.24266906	2.5456173	20	11 8.3	19.1
66462 1999 RS_{11}	14.2	X	350.23155	177.25593	320.68836	5.89462	0.0864888	0.25738755	2.4476221	20	—	—
66463 1999 RS_{12}	15.2	X	233.48682	55.47008	309.04985	6.80846	0.1240488	0.27101070	2.3648944	20	4 27.9	18.8
66464 1999 RS_{14}	15.4	X	44.03908	72.30083	245.13255	3.42528	0.2257050	0.24148800	2.5539105	20	12 3.8	19.0
66465 1999 RJ_{15}	15.1	X	340.00585	305.50468	19.35022	4.10833	0.1174023	0.23323067	2.6138397	20	8 16.3	17.9
66466 1999 RK_{16}	15.2	X	327.30371	58.12834	346.37760	4.52955	0.3046267	0.23774666	2.5806341	20	11 24.0	16.6
66467 1999 RT_{16}	15.5	X	160.42963	157.49773	166.88534	5.45871	0.1980827	0.25693476	2.4504968	20	1 4.3	19.3
66468 1999 RL_{17}	15.2	X	193.50118	183.07542	255.96279	2.87730	0.1288866	0.22560236	2.6724338	20	6 25.4	19.3
66469 1999 RL_{18}	14.1	X	108.03892	210.80337	336.04518	14.57107	0.0576489	0.23041583	2.6350842	20	8 11.4	17.8
66470 1999 RP_{18}	15.2	X	285.93515	124.93085	181.46414	12.90333	0.2713527	0.22485989	2.6783133	20	3 29.2	19.1
66471 1999 RV_{19}	15.3	X	52.30334	301.14454	344.97900	14.26272	0.2300234	0.23924446	2.5698520	20	10 28.3	19.2
66472 1999 RM_{24}	15.4	X	327.28453	280.86101	43.03659	1.06386	0.1387392	0.22996089	2.6385585	20	7 17.8	18.2
66473 1999 RZ_{24}	15.2	X	235.15941	121.05643	266.43781	2.17233	0.2144854	0.22378099	2.6869150	20	5 25.4	19.5
66474 1999 RC_{25}	15.1	X	317.53662	169.98373	184.36911	13.73406	0.1956065	0.23172807	2.6251268	20	8 3.8	17.9
66475 1999 RH_{26}	14.6	X	44.08385	133.34776	166.70350	15.32485	0.1389495	0.23748104	2.5825580	20	11 2.1	18.2
66476 1999 RM_{26}	14.7	X	26.26854	57.13197	138.14559	4.84041	0.0320545	0.21929351	2.7234466	20	4 26.9	18.2
66477 1999 RW_{26}	15.1	X	68.79797	347.80311	286.69809	3.22139	0.2491263	0.23945648	2.5683349	20	11 7.4	19.0
66478 1999 RB_{27}	15.5	X	301.72739	214.87771	162.87781	4.28677	0.2007451	0.23168827	2.6254274	20	8 9.0	18.0
66479 Healy	14.5	X	183.54009	284.58314	160.96851	8.03058	0.2218839	0.22309272	2.6924384	20	6 22.5	19.2
66480 1999 RW_{33}	15.0	X	235.21916	264.17187	175.06652	11.31731	0.1636305	0.22886105	2.6470052	20	8 3.5	19.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
66481 1999 RZ_{34}	13.7	X	197.99582	314.60630	34.85223	22.64792	0.1330851	0.26020605	2.4299152	20	3 18.5	17.8
66482 1999 RW_{37}	14.6	X	219.84127	224.51973	188.74753	12.53890	0.1576312	0.22365376	2.6879339	20	6 17.2	19.1
66483 1999 RZ_{38}	14.4	X	338.06168	345.39466	91.10138	7.01335	0.2598466	0.24350014	2.5398217	20	—	—
66484 1999 RR_{39}	15.6	X	132.04314	110.89179	225.96651	7.37645	0.1516923	0.25507032	2.4624236	20	—	—
66485 1999 RX_{41}	13.9	X	75.85535	263.60285	348.70599	13.87033	0.0827195	0.23445493	2.6047326	20	9 25.5	17.6
66486 1999 RF_{42}	15.6	X	251.71720	58.16592	334.34337	3.71666	0.1444522	0.22410356	2.6843360	20	6 26.4	19.5
66487 1999 RL_{42}	14.2	X	175.84386	309.94268	41.20928	4.54747	0.2125700	0.20998273	2.8033694	20	2 26.2	19.0
66488 1999 RD_{44}	14.4	X	135.83064	223.25834	358.13579	14.79907	0.0333451	0.23698113	2.5861887	20	10 20.9	18.1
66489 1999 RS_{44}	15.2	X	42.17303	323.01274	56.96476	5.80459	0.2675222	0.24398519	2.5364545	20	—	—
66490 1999 RS_{49}	15.3	X	113.96118	69.12933	334.14133	12.85723	0.3059225	0.25884358	2.4384346	20	3 6.7	18.9
66491 1999 RG_{54}	15.7	X	131.63979	281.42033	98.08313	3.76570	0.3160085	0.25841047	2.4411585	20	2 27.1	19.6
66492 1999 RZ_{54}	15.1	X	1.69420	145.48627	174.17270	9.51356	0.1189272	0.18889194	3.0083412	20	9 7.7	18.8
66493 1999 RV_{56}	15.5	X	34.38324	132.89327	166.12949	13.72987	0.2108752	0.23921888	2.5700353	20	10 29.9	18.9
66494 1999 RM_{57}	15.1	X	196.74314	178.08749	139.96677	10.18548	0.1579958	0.21449530	2.7639119	20	1 31.8	19.7
66495 1999 RD_{62}	15.5	X	148.71994	313.57531	5.40636	6.28909	0.2217008	0.25579109	2.4577957	20	—	—
66496 1999 RZ_{64}	15.5	X	235.87765	283.09677	343.11177	3.95287	0.1425409	0.26114536	2.4240850	20	—	—
66497 1999 RK_{66}	15.4	X	338.01501	226.06965	135.29900	4.47930	0.1139080	0.23705334	2.5856634	20	10 6.8	18.2
66498 1999 RR_{67}	15.5	X	281.41130	216.82755	187.56046	11.09316	0.1014069	0.23402710	2.6079061	20	8 27.3	18.9
66499 1999 RR_{71}	15.7	X	185.35991	344.18708	5.35929	4.69672	0.1820506	0.26269638	2.4145340	20	2 26.2	19.5
66500 1999 RK_{73}	15.6	X	77.06647	23.62132	257.78044	4.30099	0.0711021	0.24021578	2.5629199	20	11 5.1	19.2
66501 1999 RS_{75}	15.1	X	268.42187	195.57105	249.97211	4.58676	0.2267252	0.23523895	2.5989419	20	9 13.6	18.4
66502 1999 RV_{75}	14.8	X	290.54576	233.03755	186.77882	14.96256	0.1391109	0.23593448	2.5938316	20	9 30.4	17.5
66503 1999 RE_{81}	15.4	X	343.32520	222.66893	149.39268	5.93183	0.1640023	0.23762515	2.5815138	20	11 5.2	18.0
66504 1999 RN_{81}	15.6	X	38.69306	343.55297	341.28991	3.47668	0.1901912	0.24074570	2.5591576	20	12 1.1	19.0
66505 1999 RH_{83}	15.2	X	351.92564	248.15814	162.09980	13.04793	0.2003782	0.24228242	2.5483248	20	—	—
66506 1999 RM_{84}	15.2	X	268.12875	128.99833	326.57325	6.20405	0.1248294	0.23732095	2.5837193	20	10 13.5	18.4
66507 1999 RT_{84}	15.2	X	242.82992	200.75039	210.94124	2.37075	0.1042262	0.22826808	2.6515873	20	7 15.9	18.9
66508 1999 RS_{86}	15.2	X	25.92093	325.26865	11.39624	6.36259	0.2802253	0.24011721	2.5636212	20	12 13.5	18.6
66509 1999 RK_{89}	14.9	X	123.94440	202.91400	170.63907	6.01557	0.1112968	0.25598869	2.4565307	20	1 15.5	18.1
66510 1999 RU_{90}	13.5	X	164.77661	187.64800	12.84399	14.53013	0.1205341	0.23961170	2.5672256	20	10 27.3	17.6
66511 1999 RW_{91}	16.1	X	58.39306	166.92644	193.55996	0.57554	0.1888783	0.24570815	2.5245831	20	—	—
66512 1999 RC_{92}	15.1	X	31.44690	28.27857	352.53851	6.16940	0.2587785	0.24369242	2.5384856	20	—	—
66513 1999 RE_{94}	14.9	X	56.61925	140.52831	156.35926	11.70133	0.1892448	0.23960585	2.5672674	20	11 19.9	18.8
66514 1999 RS_{94}	14.4	X	44.86492	275.74964	68.29412	2.74162	0.0913595	0.19423733	2.9528921	20	12 8.5	18.3
66515 1999 RD_{97}	16.1	X	311.22839	41.28444	359.37878	0.71003	0.1798803	0.23580479	2.5947826	20	10 7.2	18.6
66516 1999 RM_{97}	15.9	X	320.28857	265.25976	128.53196	5.82846	0.1315514	0.23657218	2.5891682	20	10 21.6	18.6
66517 1999 RM_{98}	15.1	X	245.83568	263.91799	173.63742	3.45457	0.1497817	0.23093201	2.6311562	20	8 17.1	18.9
66518 1999 RK_{99}	15.5	X	231.00848	149.13848	210.88230	5.55185	0.2593485	0.27143192	2.3624472	20	4 13.1	19.4
66519 1999 RZ_{99}	14.1	X	132.17023	82.02666	254.65795	8.44935	0.1451552	0.20867456	2.8150733	20	—	—
66520 1999 RQ_{101}	14.8	X	299.42092	136.19697	238.34583	10.98781	0.2057128	0.23250745	2.6192571	20	7 26.6	17.9
66521 1999 RR_{101}	15.3	X	174.81052	114.82564	180.73354	6.16780	0.1201697	0.20839033	2.8176325	20	—	—
66522 1999 RG_{102}	13.5	X	217.33844	216.18770	270.25934	13.11531	0.1117245	0.23724420	2.5842765	20	9 15.5	17.6
66523 1999 RN_{102}	14.7	X	251.12789	106.40007	235.83676	7.02142	0.2751882	0.22380049	2.6867589	20	4 6.9	19.3
66524 1999 RQ_{102}	14.2	X	252.05004	65.34454	307.35472	12.57458	0.0824649	0.22692469	2.6620419	20	6 8.2	18.1
66525 1999 RH_{103}	15.1	X	135.07770	180.46546	214.49930	12.25676	0.2209474	0.26020253	2.4299371	20	3 5.6	19.0
66526 1999 RX_{103}	15.1	X	324.44623	195.00698	187.09202	15.68918	0.1098632	0.23683674	2.5872397	20	10 10.9	17.7
66527 1999 RD_{104}	15.1	X	285.33175	68.48332	277.93310	9.25739	0.1079999	0.22755369	2.6571341	20	6 13.6	18.4
66528 1999 RV_{105}	14.6	X	249.58016	161.33159	224.19949	14.48549	0.1345060	0.22625288	2.6673088	20	6 15.0	18.6
66529 1999 RX_{107}	15.2	X	306.68831	59.39262	216.45431	8.16699	0.0768723	0.22229056	2.6989119	20	4 12.7	18.6
66530 1999 RJ_{108}	14.6	X	95.84157	287.57822	311.68858	12.36538	0.1197850	0.23726050	2.5841582	20	10 2.6	18.7
66531 1999 RX_{108}	14.8	X	313.39105	114.10778	232.85824	11.48931	0.1386466	0.23037119	2.6354247	20	7 21.7	17.9
66532 1999 RZ_{110}	14.9	X	327.42976	23.79393	332.98901	8.29022	0.1325184	0.23188737	2.6239244	20	9 5.3	17.6
66533 1999 RN_{111}	15.1	X	174.55961	10.35381	310.87979	12.23386	0.2142791	0.26060771	2.4274178	20	1 15.5	19.0
66534 1999 RA_{112}	15.3	X	145.03272	124.08450	173.44596	6.33755	0.1453508	0.25437076	2.4669362	20	—	—
66535 1999 RF_{112}	15.0	X	304.55782	171.67036	193.36396	14.06169	0.1325475	0.23429545	2.6059144	20	8 2.7	18.3
66536 1999 RD_{113}	14.9	X	50.62913	173.06457	121.27940	6.20682	0.1088242	0.24036588	2.5618528	20	10 29.2	18.3
66537 1999 RU_{115}	15.4	X	37.44710	206.63462	160.06860	5.14886	0.1458753	0.24617709	2.5213761	20	—	—
66538 1999 RV_{117}	14.8	X	18.76811	162.20331	189.03559	15.09266	0.1678846	0.24214058	2.5493199	20	12 7.6	18.2
66539 1999 RX_{117}	14.9	X	13.72691	61.59904	263.50850	7.39804	0.2431797	0.23912640	2.5706978	20	11 2.7	17.7
66540 1999 RM_{118}	15.3	X	93.84695	177.49487	182.99060	4.83425	0.1809818	0.25267055	2.4779904	20	—	—
66541 1999 RP_{118}	15.0	X	157.69341	239.02647	172.77540	9.18531	0.2043411	0.26651198	2.3914330	20	4 20.8	18.9
66542 1999 RT_{118}	14.8	X	268.22759	135.00097	175.03454	12.36794	0.1753269	0.22389936	2.6859679	20	3 27.1	18.7
66543 1999 RJ_{119}	15.5	X	197.57843	108.47836	196.49189	8.37781	0.1079027	0.26094928	2.4252991	20	1 8.9	19.3
66544 1999 RR_{119}	15.6	X	312.66871	223.31209	166.52754	8.22579	0.1959174	0.23671793	2.5881053	20	9 23.5	17.8
66545 1999 RJ_{120}	15.6	X	19.08457	186.20763	174.99521	1.88750	0.1871395	0.24277094	2.5449050	20	12 23.4	18.7
66546 1999 RG_{122}	15.7	X	85.65829	187.64076	174.58896	16.37178	0.1404458	0.25190151	2.4830313	20	—	—
66547 1999 RG_{124}	14.4	X	351.19819	57.98764	306.06159	9.00825	0.1306214	0.23757484	2.5818782	20	10 29.2	17.3
66548 1999 RL_{124}	13.6	X	283.76094	52.25383	327.34490	12.35751	0.1997271	0.22952957	2.6418629	20	7 15.3	17.0
66549 1999 RS_{124}	15.2	X	339.70195	186.18390	168.78755	7.66789	0.2001940	0.23587502	2.5942675	20	10 2.9	17.3
66550 1999 RU_{124}	15.3	X	297.84450	237.97180	170.84877	4.41609	0.2036744	0.23535968	2.5980530	20	9 18.6	17.5
66551 1999 RC_{128}	15.2	X	252.47196	137.78085	154.21103	17.86471	0.1186510	0.21928917	2.7234825	20	2 22.7	19.1
66552 1999 RQ_{130}	14.6	X	119.66066	142.67617	320.35020	6.19411	0.0902905	0.26928489	2.3749879	20	5 2.3	17.8
66553 1999 RV_{130}	14.9	X	299.59056	102.58125	303.79961	6.61122	0.1914288	0.23643511	2.5901688	20	9 16.6	17.7
66554 1999 RT_{131}	14.5	X	260.95767	141.97158	301.49076	10.10321	0.1496683	0.23663951	2.5886770	20	9 10.3	18.0
66555 1999 RQ_{132}	14.7	X	357.11445	57.37267	296.03945	5.65912	0.1659806	0.23884827	2.5726931	20	10 31.2	17.4
66556 1999 RB_{133}	14.1	X	245.17466	200.50907	231.81002	6.16298	0.2856780	0.23023694	2.6364490	20	7 22.5	18.3
66557 1999 RN_{133}	15.2	X	33.10355	105.77656	190.83059	12.43823	0.1888795	0.23831964	2.5764961	20	10 18.7	18.2
66558 1999 RX_{134}	14.9	X	72.95591	293.88976	327.39654	13.42900	0.1354884	0.23940434	2.5687078	20	10 7.4	18.8
66559 1999 RB_{135}	15.0	X	172.72555	188.83432	161.11647	10.21085	0.2093124	0.21423376	2.7661609	20	2 19.2	19.7
66560 1999 RR_{135}	14.7	X	305.24071	147.07920	87.83027	2.33661	0.1425989	0.26691225	2.3890416	20	2 2.3	17.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
66561 1999 RW_{135}	15.4	X	142.64993	5.70836	358.14875	6.39685	0.2157176	0.25874261	2.4390689	20	2 8.6	19.1
66562 1999 RO_{136}	15.7	X	2.27675	213.07570	101.37554	0.53799	0.2061838	0.23615586	2.5922103	20	9 21.0	17.9
66563 1999 RV_{136}	16.0	X	107.15502	50.01710	327.69477	3.50386	0.1330181	0.30342226	2.1933322	20	—	—
66564 1999 RU_{137}	15.4	X	138.74882	228.79535	166.18320	5.57122	0.1812193	0.26154224	2.4216321	20	3 9.0	19.0
66565 1999 RC_{138}	15.6	X	37.70033	3.85322	16.14329	1.84375	0.1659277	0.24660682	2.5184461	20	—	—
66566 1999 RL_{139}	14.7	X	222.79738	43.47505	336.12155	6.97939	0.0726909	0.27233194	2.3572393	20	5 10.7	18.1
66567 1999 RV_{140}	15.8	X	30.39572	145.60966	241.43778	1.19847	0.2001814	0.24611845	2.5217766	20	—	—
66568 1999 RQ_{142}	15.3	X	336.43821	277.31524	115.30795	3.40893	0.1840071	0.23809456	2.5781196	20	11 21.8	17.6
66569 1999 RM_{145}	15.3	X	15.24315	35.53396	323.96588	12.89833	0.2018290	0.24134981	2.5548853	20	12 18.1	18.6
66570 1999 RW_{145}	15.6	X	326.72783	137.93727	273.81170	3.67664	0.1484879	0.24104844	2.5570144	20	11 27.5	17.9
66571 1999 RP_{147}	15.0	X	165.79329	184.31301	269.79617	5.43747	0.0556261	0.27348278	2.3506216	20	6 16.4	18.1
66572 1999 RU_{149}	15.6	X	50.43104	302.70975	322.09048	4.15348	0.1504219	0.28414318	2.2914544	20	9 28.2	18.3
66573 1999 RL_{152}	15.2	X	31.07026	77.89799	231.13054	13.08007	0.1668007	0.23599343	2.5933996	20	10 26.0	18.5
66574 1999 RR_{152}	15.9	X	14.25773	186.92887	191.08281	4.59879	0.3129279	0.24177657	2.5518780	20	—	—
66575 1999 RX_{152}	14.9	X	142.80306	198.68043	181.73585	9.99919	0.2331451	0.21237875	2.7822448	20	3 2.3	19.4
66576 1999 RY_{152}	15.0	X	220.85313	67.24487	297.76169	5.23146	0.1517209	0.26918262	2.3755894	20	4 13.8	18.7
66577 1999 RD_{153}	14.8	X	269.07408	133.34607	324.09299	12.74363	0.1230459	0.23924034	2.5698816	20	10 14.1	18.2
66578 1999 RS_{153}	14.9	X	261.95000	224.21634	249.84436	5.33104	0.2060768	0.23960792	2.5672526	20	10 18.2	17.9
66579 1999 RK_{154}	15.0	X	292.76553	93.97526	307.68513	3.19092	0.1819238	0.23435178	2.6054968	20	8 31.1	17.7
66580 1999 RE_{155}	15.3	X	359.06708	95.12190	217.78539	4.17915	0.0981354	0.23416757	2.6068630	20	8 29.3	18.2
66581 1999 RF_{155}	15.5	X	350.29647	199.37658	234.98827	4.08806	0.0674272	0.24738572	2.5131571	20	—	—
66582 1999 RZ_{155}	15.8	X	23.06055	141.33778	203.58070	5.03980	0.2877247	0.24070670	2.5594340	20	12 22.2	19.1
66583 Nicandra	15.1	X	292.10908	169.17229	198.38450	3.60351	0.2450028	0.23034629	2.6356146	20	6 30.4	18.1
66584 1999 RM_{161}	14.6	X	284.73982	74.24391	327.26936	13.98571	0.1180904	0.23402620	2.6079128	20	8 27.0	17.8
66585 1999 RC_{162}	14.8	X	93.35608	255.81223	328.01038	9.84570	0.1786644	0.23649798	2.5897097	20	9 19.5	18.8
66586 1999 RC_{164}	15.0	X	271.36531	98.12687	330.35968	4.33531	0.2012851	0.23411879	2.6072251	20	8 31.6	18.1
66587 1999 RB_{167}	14.9	X	95.16627	7.21972	19.64217	9.39945	0.1484615	0.25455815	2.4657254	20	1 1.0	17.9
66588 1999 RX_{167}	15.1	X	274.98539	125.12926	162.94451	13.64330	0.1898573	0.22100932	2.7093326	20	3 4.7	19.0
66589 1999 RE_{168}	15.6	X	154.38231	358.86657	4.59403	2.52803	0.1782954	0.25969483	2.4331031	20	2 14.6	19.2
66590 1999 RD_{169}	15.3	X	301.90044	62.86588	314.55137	2.38695	0.2847245	0.23183149	2.6243460	20	7 25.8	17.9
66591 1999 RY_{170}	14.5	X	44.85058	305.48809	355.88853	10.01741	0.0967111	0.19099340	2.9862339	20	10 14.0	18.6
66592 1999 RU_{174}	13.9	X	119.04136	280.20456	160.97321	13.23339	0.2045979	0.21515403	2.7582675	20	4 25.0	18.3
66593 1999 RL_{176}	16.1	X	198.89448	286.90867	328.45964	4.54015	0.1307317	0.30076375	2.2062382	20	—	—
66594 1999 RO_{176}	15.3	X	5.11587	122.25802	179.09016	13.26262	0.1958446	0.23388876	2.6089343	20	9 2.8	17.8
66595 1999 RU_{178}	14.9	X	67.73670	154.11788	147.48851	9.17508	0.2095510	0.24276259	2.5449634	20	12 8.2	18.9
66596 1999 RO_{180}	15.2	X	44.18638	199.18169	60.40451	5.47114	0.2501642	0.23537303	2.5979548	20	9 25.3	18.5
66597 1999 RA_{181}	15.8	X	64.58214	147.14886	144.33567	6.29126	0.2787695	0.24209416	2.5496458	20	11 29.7	19.9
66598 1999 RF_{182}	15.5	X	181.35474	320.68923	350.12002	4.48353	0.1867079	0.25793005	2.4441889	20	1 6.9	19.4
66599 1999 RM_{184}	15.4	X	355.89807	188.78453	155.73560	14.35393	0.1922240	0.23667799	2.5883965	20	10 26.2	18.1
66600 1999 RQ_{184}	15.0	X	316.04093	291.35060	61.04390	4.62016	0.2040251	0.23198676	2.6231749	20	8 1.6	17.4
66601 1999 RH_{186}	15.5	X	77.64207	116.29881	143.96130	12.12800	0.2572909	0.24064712	2.5598564	20	11 4.3	19.8
66602 1999 RH_{187}	15.0	X	45.06031	198.68391	105.19609	4.46878	0.1878570	0.23999237	2.5645102	20	11 13.6	18.4
66603 1999 RB_{190}	16.0	X	324.12370	30.02279	340.12596	6.63225	0.1524421	0.23459554	2.6036916	20	9 18.2	18.4
66604 1999 RB_{194}	14.9	X	295.23850	146.58846	276.96816	3.40221	0.2257410	0.23554784	2.5966692	20	9 29.7	17.3
66605 1999 RF_{194}	14.6	X	227.30541	333.91484	335.35730	11.04893	0.2086987	0.26389016	2.4072466	20	2 12.5	18.5
66606 1999 RK_{194}	15.2	X	316.32554	156.06501	223.57176	3.54135	0.2453568	0.23379289	2.6096475	20	9 6.6	17.4
66607 1999 RG_{195}	15.2	X	356.42777	92.78998	212.88029	12.17483	0.1954019	0.23421398	2.6065187	20	8 17.1	17.9
66608 1999 RW_{196}	15.8	X	169.54184	75.01026	264.11729	5.01865	0.2207353	0.30714894	2.1755549	20	1 25.8	19.1
66609 1999 RW_{198}	13.9	X	279.22760	160.40291	264.25586	14.61421	0.0595887	0.23736904	2.5833703	20	9 22.0	17.5
66610 1999 RX_{198}	14.9	X	15.06536	122.27574	248.02946	12.20053	0.1868635	0.24224608	2.5485796	20	12 28.4	18.0
66611 1999 RZ_{198}	14.7	X	264.79428	260.75753	211.62154	15.60521	0.0618472	0.24190679	2.5509621	20	11 14.6	17.9
66612 1999 RO_{199}	14.0	X	162.68120	213.74724	228.55054	7.94011	0.2231543	0.21901638	2.7257435	20	6 1.8	18.6
66613 1999 RR_{199}	14.6	X	214.32956	172.95765	266.41469	10.73307	0.0923198	0.22831468	2.6512264	20	7 18.8	18.6
66614 1999 RE_{200}	13.9	X	197.07507	247.61856	297.47156	13.35596	0.1125795	0.24166720	2.5526478	20	11 11.2	17.9
66615 1999 RJ_{200}	14.3	X	184.04720	202.83747	267.98287	11.50323	0.1590209	0.22698506	2.6615698	20	7 23.4	18.7
66616 1999 RY_{200}	14.8	X	258.85621	165.83150	223.58836	15.85020	0.1310555	0.22765167	2.6563716	20	6 30.2	18.7
66617 1999 RO_{201}	15.2	X	224.48424	33.47705	253.96395	8.95010	0.2243296	0.21325222	2.7746423	20	1 17.1	20.1
66618 1999 RT_{201}	15.2	X	357.27869	43.35666	266.47566	10.48838	0.2277021	0.23342348	2.6124001	20	8 27.6	17.7
66619 1999 RE_{203}	15.2	X	42.80243	4.78809	286.81038	11.71983	0.1546432	0.23759503	2.5817320	20	10 12.6	18.8
66620 1999 RZ_{203}	15.0	X	283.26892	3.50346	324.79642	13.53175	0.0851453	0.22473838	2.6792787	20	5 15.8	18.9
66621 1999 RD_{204}	14.4	X	319.21527	310.17831	324.58553	12.51272	0.1626614	0.22331006	2.6906912	20	4 10.9	18.0
66622 1999 RJ_{204}	15.1	X	246.79735	22.50180	292.16221	8.29156	0.0940813	0.21770158	2.7367072	20	3 13.7	19.3
66623 1999 RL_{204}	14.7	X	106.00611	239.56158	316.81514	11.84306	0.1083538	0.22999898	2.6382672	20	8 22.5	18.5
66624 1999 RM_{204}	15.1	X	330.78291	350.25384	320.40899	13.07536	0.1949502	0.22937845	2.6430232	20	6 30.7	17.7
66625 1999 RE_{205}	14.7	X	185.45508	149.41448	296.37431	13.55228	0.1112632	0.22375559	2.6871183	20	6 27.4	18.9
66626 1999 RJ_{205}	14.1	X	116.38715	332.71592	307.55234	14.04237	0.2015258	0.24527008	2.5275883	20	12 24.2	18.5
66627 1999 RC_{208}	14.8	X	286.74921	190.82092	227.01110	13.77418	0.0824407	0.23413222	2.6071254	20	9 24.1	18.2
66628 1999 RF_{208}	14.9	X	1.73738	85.39108	219.79073	15.70917	0.2357114	0.23297498	2.6157518	20	8 31.9	17.5
66629 1999 RJ_{208}	14.3	X	157.49512	143.02657	281.18687	8.36522	0.1495260	0.21701313	2.7424920	20	4 30.2	18.9
66630 1999 RS_{208}	15.5	X	320.55592	95.14493	231.49834	7.24387	0.2256067	0.22953531	2.6418189	20	6 25.9	18.1
66631 1999 RP_{209}	15.6	X	305.71765	113.66387	233.07625	12.67758	0.1995602	0.22878502	2.6475916	20	6 29.8	18.8
66632 1999 RT_{210}	13.7	X	165.54071	268.90338	328.41958	12.85679	0.1454270	0.24324493	2.5415980	20	12 14.7	17.9
66633 1999 RB_{212}	14.0	X	353.51784	281.94841	335.60737	10.62628	0.2156876	0.22394030	2.6856405	20	5 23.4	16.6
66634 1999 RJ_{212}	15.0	X	251.27221	207.00738	226.00151	10.20765	0.1874320	0.23004232	2.6379358	20	8 8.8	19.1
66635 1999 RR_{212}	14.1	X	25.20459	234.69016	232.66806	14.10777	0.1113216	0.20473239	2.8510949	20	—	—
66636 1999 RA_{213}	14.6	X	188.04989	238.92246	224.57887	11.04349	0.1401858	0.22443879	2.6816624	20	7 18.0	19.1
66637 1999 RC_{213}	15.6	X	312.85724	53.91274	310.40093	9.11812	0.1163973	0.23115294	2.6294793	20	8 20.3	18.4
66638 1999 RD_{218}	14.8	X	334.80177	94.35545	159.81074	12.40076	0.1238621	0.22657821	2.6647550	20	4 24.7	18.0
66639 1999 RQ_{219}	15.4	X	11.58533	244.17454	142.68133	12.31632	0.2747487	0.24182409	2.5515437	20	—	—
66640 1999 RG_{220}	16.0	X	50.14043	100.96051	269.55309	3.79733	0.2859899	0.24571705	2.5245222	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
66641 1999 RQ_{225}	15.4	X	312.16506	125.47472	170.44232	3.30405	0.0374570	0.22354629	2.6887953	20	5 24.9	18.8
66642 1999 RE_{226}	15.2	X	9.01321	306.61235	301.46954	10.56304	0.1589896	0.22897284	2.6461435	20	6 17.5	17.9
66643 1999 RW_{229}	14.9	X	63.98287	209.99441	106.33203	7.37611	0.1491522	0.24445006	2.5332377	20	12 15.5	18.6
66644 1999 RL_{231}	14.9	X	298.34299	283.26817	98.24175	8.95546	0.1978633	0.23295219	2.6159224	20	8 11.9	17.7
66645 1999 RN_{232}	14.3	X	94.76782	255.70283	131.35333	17.64556	0.2837871	0.20512865	2.8474220	20	1 30.4	18.1
66646 1999 RM_{237}	14.8	X	270.78283	219.45221	144.44709	12.55675	0.2045220	0.22624450	2.6673747	20	6 5.1	18.8
66647 1999 RV_{237}	14.7	X	40.63611	357.68287	287.43471	13.12182	0.0999520	0.23407900	2.6075206	20	9 19.7	18.3
66648 1999 RZ_{245}	14.9	X	86.23591	233.48364	131.23642	11.86107	0.1657488	0.20381298	2.8596628	20	—	—
66649 1999 RE_{246}	14.6	X	336.05376	157.71720	139.89978	15.38712	0.1892371	0.23051202	2.6343511	20	6 21.9	17.3
66650 1999 RN_{246}	15.8	X	17.84275	296.11802	91.00504	6.32094	0.2087542	0.24371289	2.5383434	20	—	—
66651 1999 RQ_{252}	14.2	X	50.15420	215.99319	275.59971	7.33341	0.1024614	0.21322954	2.7748391	20	3 8.1	17.7
66652 Borasisi	5.9	X	60.45484	199.35382	85.10830	0.56340	0.0915497	0.00337924	43.9801522	20	9 17.9	22.2
66653 1999 RS_{254}	14.6	X	55.79425	97.30696	144.64330	11.80159	0.0278236	0.18235403	3.0798234	20	8 4.4	18.9
66654 1999 SF_{12}	13.9	X	190.18526	269.19102	271.43356	21.21013	0.0548811	0.23876783	2.5732709	20	11 2.5	17.9
66655 1999 SN_{13}	15.5	X	235.87142	107.01792	207.66813	6.85560	0.2185870	0.21495935	2.7599327	20	2 25.9	20.2
66656 1999 SV_{17}	14.8	X	314.54715	250.67675	140.29134	11.99832	0.1782877	0.23546520	2.5972767	20	10 4.6	17.4
66657 1999 SM_{19}	15.3	X	23.01813	338.15932	18.90826	15.29318	0.2050406	0.24143135	2.5543100	20	12 25.6	18.9
66658 1999 ST_{26}	14.4	X	173.81156	301.94315	120.86056	10.62279	0.2477069	0.21919120	2.7242940	20	5 20.9	19.4
66659 1999 TJ_{1}	14.2	X	100.90478	47.62675	15.42399	6.35196	0.0470159	0.25717910	2.4489444	20	2 12.9	17.2
66660 1999 TH_{2}	15.5	X	277.42513	115.26904	242.27688	3.23602	0.1789332	0.22590579	2.6700402	20	6 6.5	19.1
66661 Wallin	14.2	X	47.75199	229.90006	342.00512	28.20551	0.1774296	0.17930916	3.1145913	20	7 17.3	18.7
66662 1999 TM_{4}	14.1	X	154.95316	90.28486	241.75799	4.40955	0.1214157	0.20440459	2.8541422	20	1 8.6	18.5
66663 1999 TV_{8}	14.2	X	148.50334	299.99278	191.70976	7.89989	0.2419075	0.22109523	2.7086307	20	7 19.9	19.1
66664 1999 TB_{9}	15.1	X	261.77217	143.04696	203.77110	12.87157	0.1693355	0.22244150	2.6976908	20	5 6.8	19.1
66665 1999 TC_{9}	15.0	X	1.83498	359.08529	10.88721	3.86181	0.1776214	0.23771164	2.5808875	20	12 5.2	17.9
66666 1999 TL_{9}	15.0	X	324.42017	8.73630	21.91359	9.69321	0.1855879	0.23446922	2.6046267	20	10 20.1	17.1
66667 Kambič	15.8	X	126.33597	102.59009	203.95404	3.52318	0.1690699	0.29604745	2.2296079	20	—	—
66668 1999 TN_{14}	14.7	X	309.46624	165.92873	208.17156	9.39622	0.2587915	0.18137043	3.0909482	20	7 31.1	18.3
66669 Aradac	15.3	X	218.40900	243.52398	188.77050	10.80738	0.1050721	0.22578474	2.6709945	20	7 13.0	19.4
66670 1999 TR_{15}	15.5	X	260.11196	357.62537	11.49532	4.24537	0.1207819	0.22374122	2.6872334	20	6 7.9	19.3
66671 Sfasu	14.4	X	118.64287	291.50895	197.42365	21.26964	0.2948558	0.26746222	2.3857655	20	6 26.5	18.9
66672 1999 TB_{18}	14.7	X	169.91630	72.35497	12.84757	4.00000	0.0515557	0.22116121	2.7080920	20	6 7.9	18.7
66673 1999 TC_{19}	15.4	X	314.54162	130.01190	208.15276	11.75196	0.2029239	0.22813745	2.6525994	20	7 3.2	18.4
66674 1999 TO_{25}	15.3	X	58.42139	89.95659	228.28577	3.07501	0.2429465	0.24079656	2.5587972	20	12 21.1	19.2
66675 1999 TF_{26}	15.1	X	219.78591	194.28569	217.79804	3.56010	0.1174063	0.22249854	2.6972298	20	6 18.7	19.2
66676 1999 TS_{27}	13.3	X	258.05180	145.24967	31.89787	11.17142	0.0747034	0.19458291	2.9493949	20	—	—
66677 1999 TM_{28}	15.6	X	48.76288	12.20023	295.10949	1.55517	0.1121544	0.23886195	2.5725949	20	11 9.5	18.9
66678 1999 TR_{28}	15.2	X	287.94791	112.42382	209.32748	4.07121	0.1045764	0.22409354	2.6844160	20	5 15.3	18.6
66679 1999 TD_{29}	14.5	X	64.28325	270.20227	200.69631	4.69631	0.0970487	0.25921296	2.4361176	20	2 26.9	17.2
66680 1999 TG_{29}	14.6	X	147.76522	216.88182	195.08436	11.43224	0.1299228	0.21515937	2.7582219	20	4 7.1	18.8
66681 1999 TN_{33}	15.8	X	40.35271	79.33775	215.66674	3.58543	0.2854777	0.23757590	2.5818705	20	11 8.8	19.1
66682 1999 TR_{35}	14.0	X	358.32746	182.72940	25.66157	24.85508	0.1547673	0.26444964	2.4038502	20	3 29.9	16.4
66683 1999 TO_{36}	14.0	X	338.28131	161.65849	184.08491	10.01535	0.0900252	0.18218428	3.0817361	20	8 31.9	17.8
66684 1999 TY_{36}	14.5	X	338.52604	239.67920	185.96231	21.86611	0.0673897	0.23910153	2.5708761	20	12 29.5	18.2
66685 1999 TT_{37}	15.5	X	324.15069	39.36965	245.74198	4.94890	0.1707451	0.22670188	2.6637858	20	5 9.5	18.5
66686 1999 TX_{37}	15.1	X	265.30991	126.72614	248.76944	7.64944	0.1265176	0.22785505	2.6547907	20	6 22.6	18.6
66687 1999 TU_{45}	15.3	X	210.56174	137.12441	247.36538	2.13119	0.0927653	0.21908136	2.7252045	20	5 5.5	19.3
66688 1999 TJ_{52}	15.0	X	241.02815	79.91771	224.90239	5.18754	0.0696715	0.21334894	2.7738037	20	2 28.9	19.2
66689 1999 TU_{52}	15.4	X	99.67497	237.34082	159.70746	2.77366	0.1727126	0.25803879	2.4435021	20	1 23.5	18.1
66690 1999 TH_{63}	14.1	X	108.33567	61.33100	128.96788	1.90377	0.1318833	0.17618048	3.1513564	20	8 16.9	18.9
66691 1999 TE_{67}	16.7	X	95.27031	256.62570	342.10047	2.00832	0.1847768	0.28154334	2.3055394	20	10 19.1	20.1
66692 1999 TL_{69}	16.9	X	252.52793	225.77381	354.63423	2.71453	0.1500879	0.29867156	2.2165293	20	—	—
66693 1999 TB_{70}	14.6	X	306.94442	60.01963	212.05751	4.48335	0.0647482	0.21759265	2.7376205	20	4 10.5	18.3
66694 1999 TF_{72}	15.7	X	222.43011	146.97371	191.03465	1.81332	0.0894176	0.21502057	2.7594088	20	3 21.3	19.9
66695 1999 TZ_{72}	16.4	X	18.13074	118.36256	223.96721	2.48013	0.0829646	0.23934445	2.5691363	20	11 10.2	19.4
66696 1999 TK_{75}	15.3	X	130.50283	4.34637	307.17150	0.90579	0.0769938	0.19839335	2.9115079	20	—	—
66697 1999 TX_{80}	16.3	X	141.08897	172.69996	45.98054	4.32732	0.0892491	0.28510092	2.2863198	20	11 6.5	19.6
66698 1999 TM_{82}	15.8	X	136.86265	339.00050	69.45920	1.31859	0.0712895	0.21335391	2.7737606	20	3 16.9	19.7
66699 1999 TB_{85}	16.1	X	204.84168	164.43212	210.56023	0.60938	0.2032838	0.26913758	2.3758544	20	4 12.7	19.8
66700 1999 TC_{85}	15.2	X	177.19985	67.64541	335.00018	4.68581	0.1455417	0.26907696	2.3762112	20	4 20.7	19.0
66701 1999 TN_{86}	15.8	X	199.07471	135.29010	288.33889	1.20633	0.1974580	0.27368981	2.3494361	20	6 9.0	19.7
66702 1999 TJ_{88}	14.9	X	201.17557	139.71649	203.29413	11.65181	0.1520219	0.21703680	2.7422927	20	3 2.2	19.4
66703 1999 TL_{89}	15.7	X	293.61914	303.06186	83.33680	2.98891	0.2144141	0.23120282	2.6291012	20	8 6.2	18.6
66704 1999 TU_{91}	14.8	X	278.09574	292.25361	119.17810	6.25156	0.1970588	0.23140197	2.6275925	20	8 19.9	17.9
66705 1999 TM_{92}	15.2	X	280.36150	291.64968	132.77281	3.96103	0.1607946	0.23344095	2.6122698	20	9 17.4	18.3
66706 1999 TY_{92}	15.4	X	22.65419	284.57908	88.37025	5.43040	0.1823864	0.24186948	2.5512245	20	—	—
66707 1999 TG_{93}	15.5	X	77.99684	203.96236	105.52987	4.76237	0.2057461	0.24336752	2.5407444	20	12 25.5	19.6
66708 1999 TY_{93}	14.9	X	304.48837	237.12551	151.92900	4.72156	0.1627759	0.23267364	2.6180097	20	9 7.7	17.7
66709 1999 TS_{95}	15.0	X	24.76075	252.15355	41.70282	9.52271	0.2557002	0.23513574	2.5997023	20	10 13.9	17.9
66710 1999 TT_{96}	14.2	X	90.68434	354.38502	126.86100	8.66415	0.0755258	0.21617477	2.7495780	20	4 26.1	18.0
66711 1999 TQ_{99}	15.1	X	262.23849	224.25553	170.36806	15.18112	0.1369072	0.22687947	2.6623956	20	7 11.9	19.0
66712 1999 TS_{99}	14.5	X	199.85074	271.36655	99.22449	7.07523	0.0953457	0.21658424	2.7461114	20	4 10.6	18.8
66713 1999 TZ_{99}	14.9	X	174.99642	259.80290	151.35009	9.86259	0.1564978	0.21732723	2.7398489	20	5 6.5	19.5
66714 1999 TT_{100}	14.2	X	132.29365	300.79987	187.90631	32.25706	0.2897957	0.21823980	2.7322058	20	7 4.7	19.7
66715 1999 TA_{101}	13.6	X	36.87241	170.80830	139.61729	10.76135	0.1002786	0.18771029	3.0209532	20	10 21.7	17.8
66716 1999 TB_{102}	15.4	X	332.90927	210.19451	161.14343	13.07509	0.2112476	0.23384424	2.6092655	20	10 14.7	17.7
66717 1999 TK_{102}	14.9	X	205.22797	175.63566	158.34118	13.62280	0.3292160	0.21473782	2.7618305	20	2 25.9	20.1
66718 1999 TU_{104}	15.2	X	79.71396	158.61593	293.22461	3.10403	0.0769349	0.21002212	2.8030189	20	2 28.6	18.9
66719 1999 TG_{105}	13.9	X	223.53292	183.35845	20.94033	19.48966	0.1001621	0.24316548	2.5421515	20	—	—
66720 1999 TH_{105}	16.2	X	99.77658	325.29650	9.72186	8.15937	0.1874282	0.29469143	2.2364424	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
66721 1999 TX_{106}	14.8	X	335.47001	123.11370	247.59933	13.61153	0.1891781	0.23691875	2.5866426	20	10 10.9	17.4
66722 1999 TC_{107}	14.5	X	226.94990	108.44202	291.84777	9.15561	0.1198534	0.22590544	2.6700430	20	6 10.9	18.5
66723 1999 TE_{107}	14.1	X	222.95741	162.12467	281.62104	13.39012	0.1129740	0.23030191	2.6359531	20	7 31.4	18.0
66724 1999 TN_{107}	15.2	X	68.18510	17.16482	286.96195	5.97601	0.1045291	0.24183881	2.5514401	20	11 28.2	18.7
66725 1999 TH_{109}	14.8	X	333.09496	312.99650	306.48913	12.36050	0.1279935	0.22357409	2.6885724	20	4 17.9	18.3
66726 1999 TG_{110}	15.3	X	356.80835	55.30162	215.65464	6.53425	0.1450773	0.22798714	2.6537651	20	6 25.6	18.0
66727 1999 TH_{110}	14.5	X	170.48058	107.86205	297.88622	4.01175	0.0472083	0.21867854	2.7285501	20	4 16.4	18.5
66728 1999 TN_{110}	15.4	X	328.68756	111.78252	202.22537	8.41914	0.2024825	0.22990843	2.6389599	20	6 27.4	18.1
66729 1999 TH_{111}	15.0	X	226.31692	240.92470	216.08331	13.59228	0.0588723	0.23171770	2.6252051	20	8 26.9	19.0
66730 1999 TM_{111}	14.9	X	119.64200	149.40145	237.60099	4.49870	0.1488251	0.25641157	2.4538290	20	2 1.2	18.1
66731 1999 TN_{111}	14.1	X	141.10002	14.09284	208.57502	10.39597	0.0555554	0.19124162	2.9836493	20	10 26.8	18.6
66732 1999 TW_{111}	15.6	X	296.64346	168.20951	273.41567	1.99253	0.2277484	0.23757207	2.5818983	20	11 1.1	17.8
66733 1999 TO_{113}	15.3	X	295.68697	53.95023	265.67396	2.79689	0.0877017	0.22449410	2.6812220	20	5 25.4	18.7
66734 1999 TX_{114}	14.8	X	239.60207	80.81534	355.14148	14.47249	0.0731401	0.23021051	2.6366508	20	8 23.2	18.5
66735 1999 TX_{115}	15.8	X	31.62067	19.30935	293.02930	2.26066	0.1973816	0.23745595	2.5827399	20	11 5.9	19.1
66736 1999 TB_{118}	14.6	X	103.25378	154.24872	292.98565	3.57938	0.0521202	0.21378483	2.7700321	20	3 20.0	18.5
66737 1999 TF_{119}	14.9	X	301.64707	97.50897	188.24281	15.08129	0.1153199	0.22104267	2.7090601	20	4 15.3	18.3
66738 1999 TJ_{120}	14.7	X	84.93686	154.65542	293.53126	3.29166	0.0326017	0.21133760	2.7913751	20	2 24.7	18.4
66739 1999 TC_{122}	15.2	X	353.21847	165.63354	252.75591	2.73230	0.0844079	0.24232988	2.5479921	20	—	—
66740 1999 TE_{122}	14.8	X	142.69859	218.37624	220.66408	5.28737	0.0570634	0.21729838	2.7400914	20	4 29.3	18.8
66741 1999 TY_{122}	15.5	X	300.46007	33.59071	354.92950	5.00399	0.2878273	0.23112855	2.6296644	20	8 9.8	17.9
66742 1999 TP_{123}	14.4	X	133.29489	199.55008	114.17513	3.17817	0.0246458	0.20005292	2.8953837	20	—	—
66743 1999 TW_{124}	15.8	X	65.29159	117.23780	192.52077	2.94915	0.1549043	0.24128470	2.5553449	20	12 8.7	19.4
66744 1999 TM_{128}	15.0	X	25.92601	26.13585	329.42810	12.90778	0.1874453	0.23943146	2.5685139	20	12 25.6	18.6
66745 1999 TO_{128}	14.1	X	246.35946	8.44624	26.62703	14.29055	0.1850029	0.22269943	2.6956074	20	6 16.8	18.4
66746 1999 TW_{136}	15.6	X	55.64631	144.68638	8.11510	3.88871	0.1443995	0.26170342	2.4206377	20	4 20.4	18.2
66747 1999 TO_{139}	15.3	X	312.65660	80.72718	209.16504	11.04813	0.1884521	0.22240156	2.6980138	20	4 24.7	18.4
66748 1999 TJ_{149}	14.6	X	246.06366	78.02475	180.65126	8.78124	0.1583662	0.20983781	2.8046600	20	1 5.4	19.2
66749 1999 TN_{151}	15.0	X	240.50648	150.91099	187.02436	13.63972	0.1696240	0.21869783	2.7283897	20	4 3.3	19.2
66750 1999 TZ_{155}	15.4	X	15.94497	183.87615	168.73506	4.50507	0.2247418	0.23756619	2.5819409	20	12 12.5	18.5
66751 1999 TP_{156}	15.0	X	169.56465	216.13140	202.01366	7.89683	0.1036694	0.21980938	2.7191838	20	5 6.2	19.1
66752 1999 TZ_{164}	16.2	X	252.64303	276.48626	327.33398	5.68441	0.1124536	0.30436566	2.1887976	20	—	—
66753 1999 TQ_{173}	15.5	X	109.32592	239.56454	137.87647	2.71320	0.0710926	0.20341932	2.8633510	20	1 6.3	19.4
66754 1999 TZ_{173}	15.7	X	203.76335	202.67705	181.54349	3.19733	0.1322199	0.21716456	2.7412170	20	4 27.7	20.0
66755 1999 TT_{175}	14.6	X	325.63461	253.22316	20.12809	13.58726	0.1584931	0.22050591	2.7134546	20	4 25.1	17.7
66756 1999 TE_{177}	15.7	X	202.30539	37.60503	22.49758	3.13854	0.0817588	0.22179931	2.7028955	20	6 12.0	19.6
66757 1999 TE_{184}	15.0	X	84.64144	341.20046	319.80780	15.38546	0.1770726	0.24254730	2.5464691	20	12 20.1	19.2
66758 1999 TP_{184}	14.1	X	62.27083	345.33598	277.11646	13.30454	0.1655992	0.23415762	2.6069369	20	9 28.9	18.0
66759 1999 TU_{185}	14.4	X	199.18932	77.91345	258.52123	12.47428	0.1475300	0.21305479	2.7763562	20	2 19.1	19.2
66760 1999 TV_{185}	14.6	X	272.21995	333.90811	277.08039	12.15791	0.0531313	0.21040189	2.7996450	20	1 30.4	18.7
66761 1999 TE_{187}	14.4	X	152.67479	217.43068	265.23594	11.49946	0.1302265	0.22209021	2.7005348	20	7 9.2	18.7
66762 1999 TU_{187}	14.2	X	231.31302	300.63973	341.06939	14.98102	0.2971543	0.21204183	2.7851913	20	1 19.1	19.4
66763 1999 TZ_{189}	14.8	X	257.83315	38.31941	291.42522	8.63087	0.1007205	0.21856749	2.7294743	20	4 13.5	18.9
66764 1999 TD_{190}	14.4	X	37.11332	325.95538	311.73531	9.64162	0.0516113	0.22931172	2.6435359	20	9 1.4	17.8
66765 1999 TJ_{191}	13.2	X	55.48256	351.88079	242.87825	17.05653	0.0397233	0.17747587	3.1360033	20	7 21.9	17.8
66766 1999 TF_{194}	14.8	X	312.40728	83.28663	7.91320	14.37961	0.0596142	0.23902324	2.5714374	20	12 25.7	18.2
66767 1999 TT_{194}	15.3	X	321.04008	241.92941	2.21392	5.21154	0.1095394	0.26194706	2.4191364	20	3 14.0	17.9
66768 1999 TG_{200}	15.6	X	297.80001	20.10371	315.46823	2.35500	0.1508838	0.22379875	2.6867728	20	6 9.8	19.0
66769 1999 TJ_{200}	14.8	X	24.91736	186.70553	222.97334	13.53817	0.1795264	0.24268953	2.5454742	20	—	—
66770 1999 TH_{207}	13.0	X	121.62697	275.55381	253.34616	20.36259	0.1107896	0.17837920	3.1254070	20	7 26.2	18.1
66771 1999 TM_{210}	14.3	X	214.53384	124.20885	335.04740	11.51806	0.2086942	0.22364367	2.6880147	20	8 7.7	18.7
66772 1999 TH_{217}	14.7	X	15.19233	107.96235	207.31986	21.55185	0.1432875	0.18485702	3.0519594	20	9 23.8	18.6
66773 1999 TT_{219}	15.1	X	266.81108	332.95620	342.19282	9.06660	0.1168144	0.21960613	2.7208613	20	4 4.3	19.1
66774 1999 TD_{220}	13.9	X	290.59812	334.26787	222.01134	14.13416	0.1838055	0.20568346	2.8422993	20	—	—
66775 1999 TS_{220}	14.5	X	90.19389	168.46811	305.81231	4.23061	0.1256927	0.21385912	2.7693905	20	4 17.9	18.3
66776 1999 TA_{221}	15.1	X	91.10802	311.37369	304.30318	14.08665	0.1024254	0.23816013	2.5776464	20	10 15.9	19.2
66777 1999 TD_{221}	15.4	X	213.58894	40.51645	337.45294	5.07627	0.0907550	0.21899561	2.7259158	20	4 28.8	19.6
66778 1999 TL_{221}	15.4	X	297.54326	274.38438	99.19605	5.13517	0.1163309	0.22969983	2.6405574	20	8 10.2	18.4
66779 1999 TS_{221}	14.4	X	256.17025	182.43774	118.41914	10.26550	0.1354003	0.21468038	2.7623231	20	3 10.8	18.7
66780 1999 TW_{223}	14.8	X	23.63004	10.80106	307.93597	13.71540	0.1736347	0.23673845	2.5879557	20	10 23.4	18.2
66781 1999 TY_{223}	15.0	X	277.45897	254.36555	157.67332	13.07780	0.1946972	0.23047113	2.6346627	20	8 17.9	18.4
66782 1999 TT_{225}	15.1	X	256.51525	205.89942	184.71025	9.61667	0.0723894	0.18018813	3.1044543	20	7 6.6	19.7
66783 1999 TE_{227}	14.0	X	278.39495	224.53801	265.83274	14.27899	0.0406497	0.24067903	2.5596302	20	12 28.2	17.1
66784 1999 TM_{228}	15.8	X	25.14498	145.10009	165.79252	4.90739	0.1696444	0.23652761	2.5894935	20	10 23.2	18.8
66785 1999 TN_{228}	15.6	X	339.79198	202.74705	168.51085	7.52062	0.1431834	0.23627443	2.5913430	20	10 25.9	18.2
66786 1999 TX_{228}	15.4	X	257.23035	151.54579	152.37914	2.17705	0.0554453	0.21717021	2.7411695	20	3 21.2	19.3
66787 1999 TY_{228}	15.1	X	314.03983	47.68764	179.62077	9.53863	0.0686363	0.21420064	2.7664460	20	2 20.5	18.9
66788 1999 TL_{230}	14.9	X	175.93384	204.73128	184.90396	7.89787	0.1947118	0.21314030	2.7756135	20	4 9.6	19.6
66789 1999 TS_{231}	14.8	X	6.67510	102.44427	158.40985	14.86832	0.0885969	0.22601297	2.6691961	20	6 28.1	18.2
66790 1999 TZ_{232}	15.7	X	244.62286	211.28074	131.46245	10.30510	0.2533484	0.22009818	2.7168046	20	4 10.1	20.4
66791 1999 TH_{233}	14.9	X	39.56922	7.67571	317.01263	10.50052	0.2203800	0.23998883	2.5645354	20	12 5.8	18.6
66792 1999 TM_{233}	14.8	X	64.98469	8.62716	226.54887	14.03832	0.0698086	0.23011344	2.6373923	20	8 13.4	18.6
66793 1999 TW_{236}	14.9	X	96.17632	323.54077	145.00874	9.64255	0.1167400	0.21210588	2.7846305	20	4 22.8	18.9
66794 1999 TP_{237}	14.6	X	221.32500	113.96889	270.29396	11.14948	0.1313291	0.22332342	2.6905839	20	5 12.8	18.8
66795 1999 TP_{248}	15.6	X	205.35165	174.42100	201.67986	8.73742	0.2101350	0.21616320	2.7496761	20	4 16.7	20.3
66796 1999 TD_{252}	15.5	X	287.92579	215.47216	109.12552	6.52287	0.2412718	0.22495147	2.6775864	20	4 30.3	19.3
66797 1999 TJ_{256}	14.5	X	144.16299	317.69835	236.60246	4.12596	0.1486254	0.23581445	2.5947117	20	9 30.9	18.6
66798 1999 TA_{265}	14.9	X	313.38186	51.39018	269.41958	14.45603	0.1436138	0.22873035	2.6480135	20	6 16.2	17.9
66799 1999 TT_{267}	15.0	X	345.02512	4.58876	258.23442	14.24697	0.0482181	0.22293826	2.6936819	20	5 25.9	18.4
66800 1999 TB_{270}	14.5	X	341.06269	25.74759	283.09082	9.95279	0.0814203	0.17990833	3.1076722	20	7 18.6	18.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
66801 1999 TF_{270}	14.6	X	245.80786	47.24919	244.62734	8.19131	0.1263104	0.21403971	2.7678326	20	2 12.3	19.0
66802 1999 TJ_{270}	14.1	X	296.38551	34.61198	248.56669	8.62374	0.0242083	0.21800377	2.7341776	20	4 14.6	17.9
66803 1999 TD_{273}	12.9	X	98.34428	158.41759	269.39502	35.15072	0.1374562	0.21326923	2.7744948	20	2 11.4	17.5
66804 1999 TE_{281}	15.0	X	67.31194	109.06198	148.64337	13.19434	0.1574835	0.23497737	2.6008702	20	10 9.2	18.8
66805 1999 TU_{284}	15.5	X	212.99998	221.53006	106.32246	9.88528	0.2769127	0.21342243	2.7731669	20	2 27.6	20.6
66806 1999 TC_{286}	14.8	X	163.73842	177.34002	286.93461	13.77881	0.0574101	0.22587391	2.6702915	20	6 27.1	18.7
66807 1999 TD_{288}	14.6	X	26.74290	73.30851	74.31283	2.89048	0.0129953	0.21011713	2.8021739	20	2 24.9	18.3
66808 1999 TU_{288}	15.2	X	192.29007	241.13184	97.23229	4.51714	0.0502635	0.20991546	2.8039683	20	2 21.3	19.2
66809 1999 TX_{288}	15.0	X	209.46854	85.23688	312.37432	4.19594	0.0420619	0.22056526	2.7129678	20	5 23.5	18.8
66810 1999 UM_{4}	14.4	X	308.46297	87.83828	230.63506	13.92753	0.2565570	0.22165897	2.7040363	20	5 16.3	17.4
66811 1999 UA_{6}	14.9	X	211.99721	156.62880	188.33453	9.54077	0.1626507	0.21561394	2.7543439	20	3 16.1	19.4
66812 1999 UE_{8}	15.4	X	135.99028	98.85766	317.52485	1.29888	0.1067138	0.21120352	2.7925563	20	3 28.6	19.5
66813 1999 UQ_{11}	13.3	X	99.42483	140.09786	346.23555	13.18138	0.1466524	0.21408224	2.7674660	20	5 15.7	17.5
66814 1999 UX_{12}	15.1	X	293.49965	176.58658	260.48293	2.87568	0.1110198	0.23749843	2.5824320	20	11 1.9	17.9
66815 1999 UQ_{13}	14.4	X	153.27948	131.70656	274.05937	3.76670	0.0372217	0.21565884	2.7539616	20	3 26.5	18.3
66816 1999 UO_{14}	15.0	X	142.81123	265.15422	187.31438	8.53267	0.1347966	0.21664507	2.7455973	20	5 24.4	19.3
66817 1999 UR_{15}	15.2	X	212.37610	156.21787	164.04882	4.85468	0.0922779	0.21114715	2.7930534	20	2 18.3	19.5
66818 1999 UT_{16}	14.9	X	216.95982	127.97138	237.75819	5.34737	0.0292850	0.21650292	2.7467990	20	4 21.9	18.6
66819 1999 UZ_{16}	15.3	X	62.76684	334.27013	15.09965	8.99606	0.1764752	0.24480265	2.5308047	20	—	—
66820 1999 UW_{17}	16.2	X	283.29429	127.86487	157.23315	2.71244	0.1566153	0.21898778	2.7259808	20	3 14.8	19.9
66821 1999 UC_{21}	14.9	X	184.98620	218.16540	195.83990	14.92491	0.1679094	0.21914173	2.7247039	20	5 17.5	19.5
66822 1999 UD_{22}	15.2	X	342.38006	124.91385	158.39756	0.86839	0.1496759	0.17677706	3.1442624	20	6 13.5	18.7
66823 1999 UA_{25}	14.7	X	249.16019	71.53154	236.81653	9.89041	0.0861026	0.21484833	2.7608834	20	3 9.5	19.0
66824 1999 UM_{26}	13.8	X	206.36319	60.80497	256.41307	2.88150	0.0925884	0.21064680	2.7974745	20	2 8.1	18.2
66825 1999 UZ_{27}	16.0	X	146.38596	260.60253	218.50854	2.92993	0.0368808	0.22522057	2.6754531	20	6 24.1	19.7
66826 1999 UX_{36}	14.8	X	51.33009	15.56422	184.93994	12.94416	0.1039442	0.22495742	2.6775392	20	6 17.4	18.4
66827 1999 UG_{37}	15.9	X	327.41389	107.25475	175.00979	2.41083	0.2091315	0.27329160	2.3517177	20	5 4.4	17.8
66828 1999 UG_{41}	15.2	X	345.16543	140.09824	190.60139	11.12091	0.2049300	0.23083572	2.6318878	20	9 1.7	17.5
66829 1999 UY_{42}	14.7	X	265.54994	20.30456	281.89947	7.46134	0.0672069	0.21598605	2.7511794	20	3 22.9	18.7
66830 1999 UT_{43}	14.5	X	334.16913	356.09821	354.44368	13.96381	0.1824361	0.23259643	2.6185891	20	9 11.3	16.7
66831 1999 UJ_{44}	15.1	X	203.96590	99.60074	268.43434	4.99117	0.0742823	0.21508149	2.7588877	20	4 6.3	19.3
66832 1999 UE_{45}	14.6	X	337.93534	16.65697	303.35792	10.99847	0.1535409	0.22994342	2.6386922	20	7 31.9	17.0
66833 1999 UP_{45}	14.0	X	337.35217	308.76365	271.53870	7.93456	0.0891905	0.21329984	2.7742294	20	3 9.9	17.7
66834 1999 UT_{46}	14.5	X	303.85251	238.80156	28.21595	8.24392	0.1805201	0.26245331	2.4160246	20	3 12.0	17.5
66835 1999 UQ_{47}	14.1	X	53.92789	32.72989	259.33620	8.73675	0.0870153	0.18805319	3.0172798	20	10 11.4	18.4
66836 1999 UM_{48}	15.1	X	204.26983	167.18486	180.49755	4.21966	0.2704692	0.21360071	2.7716236	20	3 12.1	19.9
66837 1999 US_{48}	15.0	X	51.46682	62.57361	269.89163	12.13319	0.1701744	0.24236489	2.5477467	20	12 23.6	18.6
66838 1999 UF_{49}	15.6	X	174.42566	59.40305	348.24527	5.04375	0.0481782	0.21648789	2.7469261	20	4 23.8	19.5
66839 1999 UE_{51}	15.3	X	19.57064	194.11395	111.38837	7.11596	0.3050577	0.23387415	2.6090430	20	10 30.9	18.3
66840 1999 UU_{52}	15.0	X	182.89186	201.95489	132.85482	9.32058	0.2279150	0.20930089	2.8094545	20	2 11.8	19.7
66841 1999 UA_{53}	14.6	X	250.07494	248.31749	154.56984	11.72748	0.0306363	0.22233109	2.6985839	20	7 23.1	18.3
66842 1999 UG_{53}	14.3	X	15.79095	43.44575	327.47241	12.60113	0.2114437	0.23967868	2.5667473	20	—	—
66843 Pulido	14.9	X	250.48698	175.83368	195.57530	3.59101	0.2340080	0.22295640	2.6935358	20	5 18.6	19.2
66844 1999 VP	14.2	X	71.14232	343.93827	352.16323	5.58473	0.0094439	0.24071296	2.5593896	20	12 31.9	17.6
66845 1999 VE_{2}	15.3	X	10.40585	197.86463	187.58966	4.17762	0.2036479	0.23964721	2.5669720	20	—	—
66846 Frankledere r	14.1	X	266.75518	68.53614	216.07920	31.37033	0.3074920	0.21523443	2.7575806	20	2 2.7	19.5
66847 1999 VT_{4}	16.1	X	94.75735	349.09683	33.37723	0.15259	0.2215881	0.25082458	2.4901337	20	1 6.3	18.8
66848 1999 VX_{5}	13.5	X	9.59168	288.88387	77.69206	9.42991	0.0412808	0.18627830	3.0364155	20	11 14.2	17.6
66849 1999 VM_{8}	15.0	X	229.53563	346.18817	60.93221	4.83179	0.1507227	0.22408430	2.6844898	20	6 19.6	19.2
66850 1999 VX_{8}	14.8	X	255.39652	199.86821	171.27550	13.64616	0.2583891	0.22442691	2.6817570	20	5 22.5	19.2
66851 1999 VT_{9}	13.5	X	255.13467	0.91114	90.40401	14.70080	0.1254425	0.23245283	2.6196674	20	9 29.9	17.3
66852 1999 VH_{11}	14.9	X	225.05718	138.71220	228.93195	4.18977	0.1285403	0.21672485	2.7449235	20	4 27.2	19.2
66853 1999 VH_{12}	14.6	X	314.40740	286.19924	58.65822	12.24021	0.3199470	0.22927469	2.6438205	20	6 23.4	17.1
66854 1999 VL_{19}	15.6	X	20.93985	136.36662	237.88998	1.72444	0.1832517	0.24041941	2.5614725	20	—	—
66855 1999 VM_{22}	13.6	X	212.12490	331.01036	7.48975	7.16800	0.1037495	0.21398055	2.7683427	20	3 12.2	17.7
66856 1999 VW_{22}	14.2	X	18.81120	140.32349	129.54862	15.63633	0.0191532	0.22591066	2.6700019	20	7 24.8	17.6
66857 1999 VQ_{25}	14.4	X	246.39833	69.76006	246.46011	4.41028	0.0856538	0.21462639	2.7627864	20	3 18.5	18.6
66858 1999 VJ_{27}	15.2	X	54.13339	38.36222	351.51914	3.64451	0.2070133	0.24645316	2.5194928	20	—	—
66859 1999 VQ_{30}	14.7	X	83.70069	197.35625	237.00865	14.31388	0.1164841	0.20477533	2.8506964	20	2 12.9	18.7
66860 1999 VZ_{30}	15.0	X	189.75499	117.38564	239.04116	7.96550	0.1738877	0.21102906	2.7940952	20	3 8.2	19.8
66861 1999 VN_{31}	15.4	X	203.09099	168.30589	210.20080	1.79950	0.2908041	0.21619854	2.7493765	20	4 15.9	20.4
66862 1999 VL_{37}	14.7	X	261.67253	158.92575	241.59399	7.12085	0.1488301	0.22377885	2.6869321	20	7 16.9	18.5
66863 1999 VM_{43}	14.9	X	251.02092	134.27966	217.85088	5.29558	0.0389081	0.22105935	2.7089238	20	5 17.1	18.6
66864 1999 VD_{44}	14.2	X	44.90260	33.80436	217.85918	13.91896	0.0125330	0.22661963	2.6644303	20	7 30.9	18.0
66865 1999 VG_{44}	15.0	X	264.39171	122.75667	227.84823	9.92413	0.1171397	0.22241089	2.6979383	20	5 20.9	18.9
66866 1999 VS_{45}	13.7	X	30.30328	239.81122	351.61118	9.42555	0.1397399	0.22268833	2.6956970	20	7 3.1	16.9
66867 1999 VN_{47}	14.1	X	359.81576	40.44924	286.75872	11.89104	0.1866246	0.23205279	2.6226773	20	9 23.2	17.0
66868 1999 VS_{47}	15.2	X	18.62848	51.07793	312.16337	7.94592	0.1774163	0.23899837	2.5716159	20	12 23.3	18.4
66869 1999 VX_{47}	14.4	X	84.87562	175.12792	266.34774	8.11722	0.0909137	0.20889675	2.8130768	20	2 21.8	18.2
66870 1999 VE_{48}	14.0	X	179.08706	42.15390	317.16061	8.23150	0.1779931	0.21226116	2.7832723	20	3 3.9	18.6
66871 1999 VN_{48}	15.3	X	263.12262	115.92072	236.60622	9.81856	0.2201494	0.22278469	2.6949196	20	5 7.9	19.4
66872 1999 VH_{50}	13.3	X	131.14515	52.77243	38.63586	10.47555	0.0630314	0.21402222	2.7679833	20	5 1.9	17.1
66873 1999 VJ_{50}	15.0	X	150.04494	16.66686	29.67842	4.55613	0.1254827	0.21122919	2.7923301	20	4 2.9	19.1
66874 1999 VP_{50}	14.9	X	31.87497	54.94680	1.84486	1.74790	0.1344254	0.19640508	2.9311243	20	—	—
66875 1999 VY_{52}	13.8	X	160.51593	186.16755	253.55193	13.53361	0.3793297	0.21372245	2.7705710	20	5 31.5	19.0
66876 1999 VC_{55}	15.3	X	255.63883	165.97564	219.78254	3.50988	0.0933163	0.22417637	2.6837548	20	6 28.8	19.1
66877 1999 VT_{60}	14.9	X	74.39136	42.55433	55.67695	5.67728	0.0089802	0.20925146	2.8098969	20	2 25.1	18.7
66878 1999 VM_{63}	14.7	X	266.14869	148.33680	225.53666	6.75247	0.3628115	0.22530587	2.6747778	20	5 22.4	18.9
66879 1999 VK_{65}	14.3	X	102.46123	73.52826	225.31105	10.49639	0.0884763	0.19203619	2.9754135	20	12 17.2	18.8
66880 1999 VO_{66}	14.7	X	213.58076	296.85049	63.86815	5.12615	0.2299362	0.21641124	2.7475747	20	4 6.1	19.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
66881 1999 VL_{67}	15.1	X	70.06036	356.25721	71.27358	3.12550	0.0763798	0.20319409	2.8654665	20	1 18.1	18.7
66882 1999 VZ_{67}	15.3	X	188.99052	197.00462	186.32485	2.04028	0.1134260	0.21399283	2.7682368	20	4 12.1	19.4
66883 1999 VC_{70}	15.6	X	117.68864	197.79116	191.71915	1.69246	0.0783467	0.20565522	2.8425595	20	1 31.6	19.7
66884 1999 VX_{70}	15.3	X	195.63754	213.37536	133.20684	1.11371	0.0830726	0.21026671	2.8008447	20	3 4.9	19.4
66885 1999 VH_{72}	14.3	X	277.58063	269.84565	252.35127	9.81758	0.0593227	0.19258757	2.9697317	20	—	—
66886 1999 VJ_{72}	14.3	X	197.11628	130.97912	267.53508	7.56160	0.2851152	0.21383016	2.7696406	20	5 4.0	19.4
66887 1999 VX_{74}	15.6	X	286.69719	78.04929	192.16787	8.42952	0.1292367	0.21693585	2.7431433	20	3 1.8	19.6
66888 1999 VE_{78}	14.1	X	107.61507	253.71413	354.57662	12.10739	0.2256971	0.23763952	2.5814097	20	11 3.7	18.6
66889 1999 VW_{78}	15.4	X	150.90845	159.94799	226.32024	5.15791	0.0218465	0.21053113	2.7984991	20	2 26.8	19.4
66890 1999 VD_{81}	14.4	X	71.24112	293.60260	130.43889	3.95694	0.1743472	0.20155894	2.8809430	20	1 27.6	17.8
66891 1999 VP_{85}	15.2	X	280.49633	189.32425	140.13235	14.72919	0.2947945	0.22392213	2.6857858	20	4 23.6	19.5
66892 1999 VN_{87}	14.2	X	64.11931	343.40592	214.49222	13.78022	0.1219014	0.22225254	2.6992196	20	7 3.2	18.0
66893 1999 VQ_{87}	14.8	X	234.22461	171.92130	188.46365	8.62185	0.2256188	0.21992672	2.7182166	20	4 21.6	19.2
66894 1999 VB_{98}	15.3	X	141.90136	144.98061	192.75201	1.52247	0.0733798	0.20284167	2.8687845	20	—	—
66895 1999 VO_{99}	14.3	X	216.42421	24.48160	224.94637	15.69529	0.1747252	0.20013674	2.8945752	20	—	—
66896 1999 VN_{104}	15.4	X	56.23155	349.72661	65.95850	1.08021	0.0722050	0.20026452	2.8933438	20	—	—
66897 1999 VZ_{113}	14.8	X	96.24732	158.76640	269.83060	7.55032	0.0849092	0.20901137	2.8120483	20	2 20.1	18.8
66898 1999 VS_{114}	14.3	X	252.37381	179.95156	259.45316	10.68354	0.1539680	0.22992328	2.6388462	20	8 22.2	18.1
66899 1999 VV_{114}	13.7	X	330.74407	54.58759	7.14102	13.70748	0.1471953	0.23856046	2.5747619	20	12 18.0	16.6
66900 1999 VO_{126}	15.7	X	284.48850	206.90021	187.09856	3.21482	0.1082918	0.23042072	2.6350470	20	8 17.4	19.0
66901 1999 VK_{135}	14.9	X	213.42371	175.09967	195.18072	10.43411	0.2331163	0.21792772	2.7348136	20	4 15.8	19.6
66902 1999 VK_{144}	14.9	X	208.37915	346.92265	357.75012	3.66450	0.1073338	0.21301586	2.7766945	20	3 14.9	19.1
66903 1999 VK_{147}	14.5	X	57.50681	14.68778	232.04626	13.89822	0.1745289	0.17713730	3.1399980	20	8 28.4	19.2
66904 1999 VA_{160}	14.6	X	323.67932	129.68488	218.95027	9.43102	0.1931240	0.18251620	3.0779987	20	8 1.4	18.1
66905 1999 VC_{160}	14.9	X	238.13175	104.06420	215.73117	12.24376	0.1867498	0.21664413	2.7456053	20	3 4.9	19.6
66906 1999 VG_{162}	15.3	X	187.43804	73.12347	296.51146	2.65669	0.1105639	0.21295060	2.7772617	20	3 23.2	19.5
66907 1999 VJ_{162}	15.1	X	334.40751	277.08904	242.26137	7.88078	0.0796535	0.20228784	2.8740183	20	—	—
66908 1999 VY_{162}	15.0	X	81.51053	107.87013	311.11624	1.25757	0.0220446	0.20470754	2.8513257	20	1 15.7	18.8
66909 1999 VD_{163}	15.2	X	152.63514	29.75377	326.15276	1.54791	0.0674390	0.20670924	2.8328883	20	1 30.0	19.4
66910 1999 VZ_{165}	15.7	X	22.80966	221.89942	29.33122	7.12075	0.0797602	0.27007072	2.3703786	20	7 15.5	18.3
66911 1999 VF_{167}	15.0	X	15.55414	335.30495	15.17437	3.64997	0.2547580	0.23636758	2.5906621	20	12 12.9	18.1
66912 1999 VH_{167}	14.8	X	313.62978	256.28721	300.94663	0.98224	0.0214216	0.20403659	2.8575731	20	1 23.0	18.5
66913 1999 VF_{169}	15.1	X	163.24892	261.03719	41.54563	2.51598	0.0363548	0.19787366	2.9166035	20	—	—
66914 1999 VK_{170}	16.2	X	186.08728	112.39180	350.55477	1.13171	0.1377657	0.26844346	2.3799482	20	7 20.9	19.6
66915 1999 VT_{170}	13.9	X	107.32824	236.39885	51.94261	8.43570	0.2014409	0.23797862	2.5789569	20	12 23.8	18.3
66916 1999 VG_{176}	15.6	X	7.22314	321.96031	343.32644	4.95564	0.2817976	0.23238841	2.6201515	20	9 27.3	17.9
66917 1999 VP_{176}	14.3	X	307.49663	122.64603	260.40484	13.67439	0.1164394	0.23544412	2.5974318	20	9 1.3	17.6
66918 1999 VY_{176}	15.7	X	203.35107	237.14927	154.08961	4.18179	0.2170545	0.21821552	2.7324085	20	5 4.3	20.3
66919 1999 VC_{177}	15.4	X	334.56149	204.26374	145.94410	5.12782	0.1882329	0.23160440	2.6260612	20	9 11.2	17.5
66920 1999 VN_{178}	15.2	X	232.40055	185.20987	180.64612	11.32734	0.0934949	0.21917273	2.7244470	20	5 8.2	19.3
66921 1999 VY_{178}	14.8	X	345.53525	191.89236	150.44994	10.65840	0.2567664	0.18417500	3.0594892	20	9 15.7	17.5
66922 1999 VC_{185}	15.2	X	12.19276	162.24877	194.71851	3.46177	0.2512408	0.23633659	2.5908886	20	12 16.4	18.3
66923 1999 VL_{186}	15.5	X	171.47007	280.94331	164.93778	3.12510	0.2275922	0.21818975	2.7326237	20	6 13.3	20.2
66924 1999 VY_{186}	14.4	X	333.57551	233.07762	81.77772	6.09630	0.1225571	0.17775236	3.1327504	20	7 13.5	18.1
66925 1999 VZ_{190}	13.9	X	105.46066	15.13599	348.71258	22.55100	0.0867471	0.25592623	2.4569304	20	—	—
66926 1999 VE_{193}	14.2	X	97.12161	107.74994	289.28834	3.77832	0.1141615	0.20495913	2.8489919	20	1 20.8	18.0
66927 1999 VP_{199}	14.1	X	356.24252	222.27214	114.44656	18.07582	0.2106875	0.18372784	3.0644514	20	10 7.4	17.7
66928 1999 VQ_{199}	14.6	X	180.95703	218.62384	206.11477	33.13153	0.1337589	0.21653099	2.7465616	20	5 24.6	19.4
66929 1999 VS_{199}	14.9	X	207.90957	280.93579	163.11634	11.13181	0.1481170	0.22536348	2.6743220	20	7 14.3	19.2
66930 1999 VG_{201}	14.7	X	228.93941	117.21109	260.20129	12.00438	0.0878005	0.22007076	2.7170303	20	5 16.5	18.8
66931 1999 VL_{208}	13.7	X	239.66152	278.72536	111.43115	17.96675	0.1155570	0.17604750	3.1529431	20	6 13.9	18.6
66932 1999 VL_{213}	15.3	X	332.73056	206.29403	177.63885	8.83009	0.1279290	0.23388703	2.6089472	20	10 29.3	18.0
66933 1999 VK_{229}	15.5	X	208.67185	199.81553	156.47139	9.69925	0.2833439	0.21492976	2.7601860	20	3 27.0	20.5
66934 Kálalová	13.9	X	44.02922	59.10357	64.31350	6.13773	0.1069462	0.25849979	2.4405962	20	2 16.0	16.4
66935 1999 WZ_{1}	14.7	X	197.30441	146.77365	246.45755	7.86781	0.2911914	0.21659663	2.7460066	20	4 28.2	19.8
66936 1999 WD_{5}	13.7	X	242.07976	179.41080	250.67157	12.04046	0.1606164	0.22350527	2.6891243	20	7 28.3	17.9
66937 1999 WB_{6}	14.2	X	152.69330	4.22323	86.26589	4.60276	0.0523910	0.21735398	2.7396241	20	5 26.3	18.1
66938 1999 WM_{8}	15.3	X	65.07526	12.24089	335.91404	3.24749	0.2810841	0.24378954	2.5378114	20	—	—
66939 Franscini	14.4	X	58.76197	271.96021	94.96923	10.62695	0.0664319	0.19295088	2.9660027	20	—	—
66940 1999 WM_{11}	14.5	X	179.92915	66.35480	289.43554	6.39494	0.2459706	0.21034288	2.8001685	20	3 1.9	19.6
66941 1999 WO_{11}	13.5	X	306.35044	195.61723	283.91153	8.38290	0.0789158	0.19130209	2.9830206	20	—	—
66942 1999 WR_{12}	15.5	X	175.97571	210.24132	203.29547	1.63552	0.2275543	0.21756886	2.7378200	20	5 8.4	20.3
66943 1999 WF_{17}	15.1	X	280.72217	7.11695	46.40847	4.05882	0.2008392	0.23116986	2.6293511	20	8 27.3	18.2
66944 1999 WQ_{20}	14.9	X	322.24302	164.79166	209.45857	10.58087	0.1861185	0.23024315	2.6364017	20	9 15.7	17.5
66945 1999 XA_{1}	13.8	X	313.74673	203.95577	287.21528	8.70264	0.0478240	0.19188925	2.9769322	20	—	—
66946 1999 XT_{1}	13.7	X	106.68662	337.57855	222.80996	22.37690	0.0674120	0.17902602	3.1178744	20	8 12.7	18.7
66947 1999 XZ_{1}	14.1	X	191.05294	183.96628	199.15406	9.08626	0.1681965	0.21385589	2.7694184	20	4 13.8	18.5
66948 1999 XN_{5}	14.8	X	46.19162	209.55838	215.91694	0.98231	0.0849778	0.19914217	2.9042047	20	—	—
66949 1999 XO_{7}	13.2	X	273.57238	69.32421	3.39328	12.34537	0.1569949	0.22679091	2.6630887	20	9 17.8	16.5
66950 1999 XQ_{11}	14.4	X	6.43984	102.26074	304.94417	9.43881	0.0545053	0.19306629	2.9648205	20	—	—
66951 1999 XN_{13}	14.4	X	240.51682	233.79615	114.09007	9.65476	0.1746281	0.21741054	2.7391490	20	4 19.3	18.9
66952 1999 XF_{19}	15.5	X	316.87086	308.31305	49.12408	5.20509	0.2472714	0.23169023	2.6254126	20	8 5.9	17.8
66953 1999 XM_{19}	14.8	X	286.84817	168.76335	202.47707	11.74341	0.1929238	0.22927739	2.6437998	20	7 4.8	18.3
66954 1999 XV_{19}	14.9	X	271.77317	123.59548	232.93139	10.40060	0.2034453	0.22495789	2.6775355	20	5 25.6	18.6
66955 1999 XK_{20}	15.1	X	58.64685	261.51142	63.53748	4.99780	0.2823187	0.24137960	2.5546751	20	—	—
66956 1999 XE_{21}	16.3	X	320.77831	24.74251	200.67894	5.66252	0.0531562	0.30634154	2.1793758	20	2 16.2	18.8
66957 1999 XO_{21}	15.2	X	227.04992	200.23964	165.04764	6.61031	0.1463069	0.21707934	2.7419344	20	4 27.3	19.5
66958 1999 XO_{23}	14.7	X	193.15046	110.70458	215.20875	7.76575	0.1262228	0.20895521	2.8125521	20	2 4.6	19.3
66959 1999 XO_{35}	16.6	X	42.50246	293.40719	81.95066	20.60951	0.5650610	0.24344180	2.5402275	20	—	—
66960 1999 XN_{36}	13.8	X	64.70136	304.58298	18.52039	14.05703	0.2186527	0.24010958	2.5636755	20	12 31.2	18.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
66961 1999 XU_{41}	15.1	X	21.63058	82.77482	269.83869	2.74071	0.2043518	0.23750899	2.5823554	20	12 16.9	18.4
66962 1999 XL_{42}	15.9	X	176.10835	114.90001	34.95947	2.74893	0.1557337	0.27403732	2.3474494	20	9 11.5	19.4
66963 1999 XU_{43}	14.7	X	29.86097	63.06449	314.65432	2.12089	0.1520498	0.24029146	2.5623817	20	—	—
66964 1999 XC_{49}	14.6	X	264.22753	248.11560	251.84613	8.76685	0.0628042	0.18918417	3.0052425	20	12 5.3	18.7
66965 1999 XL_{49}	14.6	X	60.51839	93.87439	251.38559	9.97638	0.0741453	0.19097651	2.9864098	20	12 24.9	18.9
66966 1999 XJ_{52}	13.9	X	141.98151	290.28281	254.06496	12.41524	0.0955300	0.17825510	3.1268573	20	9 4.2	19.0
66967 1999 XB_{53}	14.8	X	275.75436	32.90378	66.37532	0.91073	0.0701646	0.18535213	3.0465220	20	10 29.5	18.7
66968 1999 XU_{53}	16.2	X	9.27224	102.34640	214.06042	2.78678	0.1477144	0.27735293	2.3287036	20	10 8.3	18.2
66969 1999 XW_{54}	14.8	X	111.09845	214.79127	188.24036	1.60480	0.0197864	0.20415238	2.8564924	20	2 1.3	18.6
66970 1999 XV_{58}	14.7	X	248.62451	291.21658	81.70970	7.19973	0.0794721	0.21897395	2.7260956	20	6 5.1	18.5
66971 1999 XG_{59}	15.2	X	274.57822	281.27012	62.96874	0.90345	0.1896794	0.22058057	2.7128423	20	5 14.5	18.9
66972 1999 XE_{64}	15.6	X	162.77496	305.88891	220.75743	5.55957	0.0555838	0.27291898	2.3538578	20	9 19.9	18.8
66973 1999 XM_{66}	16.3	X	33.75683	97.27979	247.94473	2.96527	0.2051821	0.28445483	2.2897805	20	—	—
66974 1999 XG_{70}	15.0	X	239.90046	256.54827	85.64118	8.94740	0.2990830	0.21686393	2.7437498	20	4 3.3	19.9
66975 1999 XR_{75}	14.7	X	54.84498	303.51097	110.58871	2.98510	0.1221069	0.19698215	2.9253969	20	—	—
66976 1999 XN_{78}	15.3	X	65.83795	179.90970	241.63903	0.81491	0.0908720	0.20014405	2.8945047	20	1 6.1	18.8
66977 1999 XX_{82}	13.8	X	281.12807	212.52336	256.85593	8.94122	0.1571595	0.18455489	3.0552894	20	11 5.2	17.8
66978 1999 XE_{86}	14.6	X	294.00380	85.24224	100.24369	9.58026	0.1886334	0.24042064	2.5614638	20	—	—
66979 1999 XR_{86}	13.7	X	321.65184	246.76650	106.84372	16.26753	0.0698230	0.17331698	3.1859721	20	8 21.6	18.0
66980 1999 XK_{88}	14.4	X	312.51980	153.27080	260.04245	9.51486	0.0677612	0.18167409	3.0875030	20	10 18.9	18.5
66981 1999 XE_{89}	13.9	X	7.40401	263.61387	96.29645	10.53784	0.0948964	0.18194485	3.0844391	20	11 9.2	17.9
66982 1999 XA_{91}	14.1	X	219.47702	213.63063	290.82893	4.58325	0.1246736	0.17905134	3.1175804	20	10 6.3	19.0
66983 1999 XB_{92}	13.7	X	48.05578	234.52027	102.03808	11.01368	0.1117158	0.18523284	3.0478299	20	12 5.4	18.1
66984 1999 XY_{92}	14.5	X	69.61023	63.69832	282.27182	9.01556	0.0996898	0.18805371	3.0172742	20	—	—
66985 1999 XT_{93}	13.0	X	250.20733	133.45660	290.85445	13.21804	0.0599574	0.17247595	3.1963208	20	8 9.7	17.6
66986 1999 XH_{95}	14.6	X	36.10099	108.91653	299.84499	9.26694	0.1040464	0.19290937	2.9664282	20	—	—
66987 1999 XU_{95}	14.4	X	26.44336	328.24194	66.22265	12.04193	0.1037008	0.18953394	3.0015440	20	—	—
66988 1999 XN_{97}	14.4	X	339.87397	283.15470	55.48370	3.30290	0.0814590	0.22572960	2.6714294	20	9 4.2	17.5
66989 1999 XZ_{102}	14.6	X	97.36153	318.81750	84.80015	4.81279	0.2911961	0.20197417	2.8769932	20	2 26.3	18.7
66990 1999 XA_{103}	14.0	X	197.00483	95.52328	24.86981	1.33154	0.1243120	0.17357245	3.1828452	20	8 17.9	19.1
66991 1999 XE_{105}	14.6	X	200.52609	229.35456	162.10802	9.83953	0.2055102	0.21668744	2.7452394	20	5 3.9	19.4
66992 1999 XY_{106}	14.2	X	127.02828	28.80595	246.26187	9.91500	0.0699656	0.19291673	2.9663527	20	12 13.7	18.7
66993 1999 XJ_{107}	14.9	X	292.62164	285.80387	36.86419	10.03196	0.0605920	0.22096609	2.7096860	20	5 27.8	18.5
66994 1999 XZ_{107}	15.4	X	203.53381	214.28520	174.40608	2.10820	0.1231917	0.21732831	2.7398399	20	5 3.2	19.6
66995 1999 XN_{109}	15.1	X	29.56495	303.26173	169.91574	3.78615	0.0675157	0.20325850	2.8648611	20	1 15.8	18.7
66996 1999 XJ_{113}	14.0	X	10.77774	44.88766	287.50388	15.79012	0.1694727	0.23403830	2.6078229	20	10 19.7	17.3
66997 1999 XR_{113}	13.9	X	58.90017	331.58695	347.06497	13.19139	0.1802197	0.23849462	2.5752358	20	12 14.2	18.0
66998 1999 XY_{113}	13.8	X	144.12519	132.26449	334.05728	11.98660	0.0753927	0.21754566	2.7380147	20	6 5.7	18.1
66999 1999 XX_{115}	14.1	X	230.73145	263.37804	261.94419	8.81426	0.0450135	0.19025872	2.9939164	20	11 27.0	18.2
67000 1999 XT_{116}	15.9	X	207.03396	223.54569	271.39727	6.25664	0.0486423	0.27801923	2.3249815	20	10 2.2	19.0
67001 1999 XN_{117}	15.0	X	183.16040	50.74543	336.77844	5.14261	0.0891569	0.21371459	2.7706389	20	4 8.9	19.3
67002 1999 XJ_{118}	14.6	X	252.49566	285.33044	36.95606	7.39654	0.1270244	0.21522022	2.7577020	20	4 1.6	18.6
67003 1999 XU_{118}	14.1	X	216.42193	71.66484	258.49629	7.74457	0.1534785	0.21156179	2.7894027	20	2 29.0	18.8
67004 1999 XU_{119}	14.8	X	152.27710	81.84203	255.88248	11.78398	0.0944173	0.20324463	2.8649914	20	1 9.1	19.2
67005 1999 XZ_{120}	15.2	X	305.18925	40.99007	319.25959	2.85631	0.2333607	0.22750480	2.6575147	20	7 15.4	17.9
67006 1999 XD_{121}	14.8	X	200.74400	348.92027	51.52331	10.17410	0.1529397	0.21710373	2.7417290	20	5 13.6	19.1
67007 1999 XM_{121}	15.4	X	164.96204	110.23006	271.92563	4.23416	0.1006144	0.20988146	2.8042711	20	3 14.9	19.7
67008 1999 XD_{122}	15.1	X	198.27024	39.41099	319.58592	7.58951	0.1903108	0.21419908	2.7664595	20	3 18.8	19.9
67009 1999 XS_{122}	14.4	X	274.69110	309.78308	20.31727	8.95421	0.1171370	0.21959026	2.7209925	20	5 4.6	18.2
67010 1999 XD_{123}	14.1	X	31.66890	21.67524	329.89848	6.89738	0.0631301	0.23703921	2.5857662	20	12 6.6	17.6
67011 1999 XR_{123}	15.0	X	16.01641	351.99128	17.09948	9.25495	0.0825759	0.23700186	2.5860379	20	12 10.6	18.4
67012 1999 XL_{124}	14.1	X	232.21652	298.93959	29.42537	9.34668	0.1623902	0.21375450	2.7702941	20	3 18.4	18.6
67013 1999 XY_{124}	14.9	X	234.26434	307.56785	32.78514	9.89417	0.2088483	0.21610578	2.7501632	20	3 31.0	19.5
67014 1999 XJ_{125}	14.2	X	247.13772	171.76845	274.25530	8.59827	0.0587231	0.18054085	3.1004095	20	9 2.4	18.8
67015 1999 XB_{126}	14.6	X	253.00428	97.88546	268.74560	10.64877	0.1508361	0.22043339	2.7140497	20	5 23.0	18.6
67016 1999 XL_{130}	15.0	X	277.38395	33.96481	355.50405	4.21449	0.2355302	0.22529717	2.6748467	20	7 11.9	18.4
67017 1999 XV_{132}	13.2	X	350.89458	84.61771	319.01034	9.69113	0.0504501	0.18603531	3.0390590	20	12 2.7	17.4
67018 1999 XY_{133}	13.6	X	344.72952	339.87821	342.07973	8.76554	0.1096990	0.17256213	3.1952564	20	8 12.7	17.4
67019 1999 XF_{137}	15.7	X	2.57109	3.29670	261.85369	5.43869	0.0958620	0.26540081	2.3981033	20	6 29.1	18.1
67020 1999 XS_{137}	13.7	X	215.17994	353.15524	255.87001	8.83281	0.0276444	0.15039186	3.5020298	20	—	—
67021 1999 XG_{143}	14.7	X	29.43778	220.14063	181.57013	6.53814	0.1998434	0.24189095	2.5510735	20	—	—
67022 1999 XO_{147}	15.2	X	145.07772	263.05918	67.39091	2.94466	0.0525235	0.20042398	2.8918090	20	—	—
67023 1999 XP_{152}	14.4	X	299.20448	356.43986	67.36284	14.60424	0.1277968	0.23583745	2.5945430	20	10 28.4	17.3
67024 1999 XS_{153}	13.7	X	319.61715	274.69752	121.90367	13.46277	0.1655688	0.18000130	3.1066020	20	10 11.7	17.5
67025 1999 XU_{155}	14.1	X	310.98711	322.57009	150.51489	3.55177	0.1075131	0.19008262	2.9957652	20	—	—
67026 1999 XX_{155}	14.0	X	183.50262	245.17526	247.47355	16.56569	0.0999421	0.17522409	3.1628129	20	8 12.7	19.2
67027 1999 XE_{164}	14.7	X	275.18742	28.95055	52.54884	2.77884	0.2672120	0.22710021	2.6606701	20	9 14.2	17.9
67028 1999 XH_{164}	14.0	X	215.83618	312.70655	94.70154	11.00446	0.2089089	0.21585296	2.7523101	20	6 3.6	18.6
67029 1999 XH_{166}	13.9	X	289.11688	62.91104	289.24018	10.24346	0.2179011	0.22504260	2.6768635	20	6 8.9	17.5
67030 1999 XJ_{166}	14.3	X	94.83673	137.06920	271.27668	14.78022	0.2321219	0.20448932	2.8533538	20	2 12.0	18.4
67031 1999 XX_{166}	14.3	X	227.70552	326.86294	46.66813	12.02038	0.1124490	0.21733766	2.7397613	20	5 8.8	18.5
67032 1999 XV_{167}	14.2	X	21.86779	115.15557	280.40511	9.01601	0.1069161	0.19158915	2.9800401	20	—	—
67033 1999 XN_{169}	14.3	X	178.75513	95.39832	297.21380	6.38804	0.2198196	0.21209744	2.7847044	20	4 12.1	19.2
67034 1999 XN_{170}	13.5	X	354.77823	345.89724	73.76164	11.03812	0.0865536	0.18789208	3.0190043	20	—	—
67035 1999 XO_{171}	14.6	X	284.30166	53.47792	342.82423	4.35386	0.2046272	0.22491473	2.6778780	20	8 5.9	17.8
67036 1999 XS_{171}	13.9	X	212.57916	329.13740	8.16060	4.91997	0.1150914	0.20638675	2.8358386	20	3 11.1	18.4
67037 1999 XC_{181}	13.1	X	103.59916	279.65603	287.45540	11.88209	0.1243593	0.17704729	3.1410622	20	8 26.6	18.1
67038 1999 XC_{182}	14.6	X	311.86472	31.10157	292.52306	11.67689	0.2090090	0.22366119	2.6878743	20	6 6.7	17.7
67039 1999 XT_{183}	13.6	X	359.91849	114.98672	316.78350	9.23559	0.0996566	0.19231757	2.9725106	20	—	—
67040 1999 XL_{187}	15.0	X	229.89119	198.67359	41.16262	8.65674	0.2070483	0.23966122	2.5668720	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
67041 1999 XR_{187}	14.3	X	150.74751	59.34060	290.81302	13.81050	0.2049701	0.20414571	2.8565547	20	1 31.2	19.1
67042 1999 XF_{188}	14.1	X	20.20215	100.73660	315.17996	8.63990	0.0894652	0.19283444	2.9671965	20	—	—
67043 1999 XS_{188}	14.3	X	304.95062	124.62313	299.48549	7.86313	0.1060176	0.18388518	3.0627031	20	10 18.2	18.2
67044 1999 XF_{189}	13.8	X	179.04537	73.94728	325.86447	7.87095	0.1981077	0.21310668	2.7759054	20	4 20.2	18.7
67045 1999 XZ_{191}	14.9	X	148.23462	51.01484	330.42638	6.53707	0.1687526	0.20629312	2.8366966	20	3 4.1	19.3
67046 1999 XX_{192}	13.9	X	263.36651	150.90752	325.86502	10.41033	0.0912174	0.18351208	3.0668529	20	10 26.6	18.4
67047 1999 XU_{193}	14.0	X	36.60106	95.20833	309.44878	8.30871	0.0745808	0.19243582	2.9712927	20	—	—
67048 1999 XJ_{203}	13.9	X	239.57996	161.65350	324.62392	10.43599	0.1451482	0.18010800	3.1053750	20	10 1.5	18.6
67049 1999 XB_{204}	14.2	X	271.05623	11.74931	358.27416	9.38937	0.1693545	0.21935909	2.7229038	20	6 15.8	18.1
67050 1999 XT_{204}	14.3	X	4.64054	29.35608	329.12031	15.47785	0.0894214	0.18069404	3.0986569	20	10 21.8	18.6
67051 1999 XP_{206}	14.1	X	32.93425	61.90388	354.23232	9.82643	0.1105997	0.19133485	2.9826800	20	—	—
67052 1999 XY_{207}	14.8	X	265.35421	17.17086	326.84726	7.92823	0.2034592	0.21966755	2.7203541	20	4 28.4	19.1
67053 1999 XZ_{207}	14.7	X	348.73921	291.17015	41.28308	15.30864	0.1764787	0.22849809	2.6498076	20	9 22.8	17.5
67054 1999 XR_{209}	14.3	X	252.27179	159.20052	302.35328	16.64341	0.1608716	0.18069352	3.0986629	20	9 9.8	19.0
67055 1999 XC_{211}	13.8	X	273.04573	39.68859	29.18912	10.13025	0.1338916	0.22684804	2.6626415	20	9 18.2	17.1
67056 1999 XL_{212}	14.5	X	301.75117	242.14025	74.53720	14.86413	0.1601475	0.22225105	2.6992317	20	5 21.0	17.7
67057 1999 XS_{229}	14.6	X	187.64871	12.29298	335.64308	8.91779	0.1590544	0.21055226	2.7983118	20	2 28.4	19.2
67058 1999 XY_{229}	13.5	X	120.52252	257.91194	25.08900	12.21812	0.1706811	0.24053289	2.5606668	20	12 28.6	17.9
67059 1999 XZ_{229}	13.1	X	108.57061	243.46815	297.41204	11.75840	0.1087796	0.22530931	2.6747506	20	8 4.8	17.0
67060 1999 XD_{230}	14.4	X	324.62634	108.04346	261.62485	13.27244	0.0942567	0.23292615	2.6161173	20	9 13.6	17.8
67061 1999 XK_{233}	15.4	X	138.74543	243.60117	179.71830	12.82136	0.1933505	0.21099989	2.7943528	20	4 19.4	19.9
67062 1999 XU_{233}	14.3	X	103.08182	203.73017	94.23097	11.44639	0.0813382	0.19132288	2.9828044	20	12 16.7	18.9
67063 1999 XM_{244}	15.0	X	191.63879	260.77695	115.86106	4.48913	0.1051314	0.21327149	2.7744752	20	4 8.4	19.3
67064 1999 XM_{260}	14.2	X	255.78555	194.93225	292.98028	6.13677	0.1450610	0.18540251	3.0459702	20	10 25.5	18.6
67065 1999 XW_{261}	11.9	X	339.80529	155.76123	212.00584	31.69664	0.0267618	0.08647508	5.0645639	20	9 15.2	18.8
67066 1999 YO	16.0	X	301.03028	256.95010	122.08914	25.08025	0.1319225	0.37003615	1.9214980	20	10 2.2	18.0
67067 1999 YC_{6}	14.5	X	279.03941	97.61561	321.74164	26.82220	0.2249053	0.23044903	2.6348312	20	8 22.3	17.7
67068 1999 YO_{25}	14.3	X	359.89385	54.14688	263.73437	14.16064	0.0403220	0.17656925	3.1467290	20	8 20.7	18.8
67069 2000 AQ_{1}	14.0	X	247.05511	116.72493	301.09301	10.60009	0.1910722	0.22585849	2.6704130	20	7 18.6	18.0
67070 Rinaldi	15.3	X	346.62805	80.40147	327.90092	3.97202	0.1704917	0.18512146	3.0490522	20	12 12.0	18.7
67071 2000 AA_{7}	13.6	X	334.10592	53.00516	279.57408	21.39894	0.0974794	0.17596126	3.1539733	20	8 1.2	17.8
67072 2000 AY_{11}	14.5	X	328.64955	65.69977	267.48518	11.68320	0.2068719	0.22561139	2.6723625	20	7 24.6	17.0
67073 2000 AG_{14}	15.6	X	347.79002	292.76042	44.01854	2.89235	0.2533809	0.27676384	2.3320068	20	10 12.2	16.8
67074 2000 AC_{15}	14.1	X	251.75115	164.94174	275.67540	13.40336	0.0470836	0.17786014	3.1314847	20	8 30.9	18.8
67075 2000 AD_{15}	15.0	X	34.14086	298.57895	83.73300	3.47209	0.0855745	0.18992539	2.9974184	20	—	—
67076 2000 AC_{19}	14.0	X	158.56608	274.12771	273.43231	8.72183	0.1053089	0.17925534	3.1152147	20	9 26.6	19.1
67077 2000 AQ_{21}	15.4	X	269.23329	87.92175	72.30565	4.83276	0.1392296	0.23565949	2.5958490	20	—	—
67078 2000 AW_{26}	14.6	X	210.04811	51.88706	304.60705	6.53524	0.2422356	0.21076115	2.7964625	20	3 24.2	19.6
67079 2000 AL_{27}	13.6	X	234.34715	174.18774	296.22199	20.86472	0.0446323	0.17770999	3.1332483	20	9 11.1	18.5
67080 2000 AC_{29}	14.0	X	342.25081	43.63052	310.34605	8.06257	0.0679029	0.17649811	3.1475744	20	9 15.3	18.2
67081 2000 AL_{31}	14.1	X	283.28504	277.54089	99.41334	6.51637	0.1837882	0.17172143	3.2056767	20	7 7.7	18.5
67082 2000 AY_{32}	14.0	X	312.01629	135.09502	312.24425	10.63474	0.1307637	0.18434585	3.0575987	20	11 29.4	17.8
67083 2000 AW_{34}	13.6	X	352.21446	305.16938	50.37561	3.36422	0.0628073	0.17616833	3.1515013	20	10 6.4	17.7
67084 2000 AY_{38}	15.2	X	155.02683	177.54764	59.41790	6.26946	0.1063721	0.22898158	2.6460763	20	12 3.1	19.3
67085 Oppenheimer	16.8	X	245.96519	210.36599	232.56102	0.69354	0.1701982	0.27178981	2.3603728	20	8 26.3	19.9
67086 2000 AY_{45}	14.0	X	345.78239	65.11393	275.57343	11.61268	0.1138599	0.17692358	3.1425262	20	8 31.9	18.0
67087 2000 AL_{51}	14.6	X	203.02423	62.42079	304.45852	5.92991	0.1924554	0.21643834	2.7473453	20	3 31.9	19.4
67088 2000 AN_{51}	14.2	X	312.50179	106.52179	255.57564	8.82528	0.1998936	0.23020483	2.6366942	20	8 3.8	17.0
67089 2000 AW_{51}	14.8	X	61.54428	109.03690	275.11323	8.11515	0.1708955	0.24657197	2.5186834	20	—	—
67090 2000 AC_{52}	14.8	X	239.68981	91.88024	284.82848	8.73025	0.1928996	0.22179985	2.7028911	20	5 16.6	19.2
67091 2000 AJ_{52}	15.3	X	21.49177	15.57012	348.76700	5.09559	0.1307326	0.23857638	2.5746473	20	12 20.9	18.6
67092 2000 AA_{53}	15.7	X	57.61326	54.71795	338.26450	2.76252	0.2527045	0.24626128	2.5208014	20	—	—
67093 2000 AY_{53}	14.5	X	60.92364	97.10922	300.13653	9.87624	0.1305446	0.19305074	2.9649798	20	—	—
67094 2000 AC_{62}	14.2	X	229.13995	299.11625	121.67731	11.80294	0.1111845	0.16736980	3.2610039	20	7 8.6	19.2
67095 2000 AU_{67}	14.0	X	243.43270	11.13447	342.60460	10.60068	0.0674378	0.15996598	3.3608642	20	5 3.2	19.1
67096 2000 AL_{70}	15.2	X	335.62970	257.60417	153.96763	4.13695	0.1735306	0.23516847	2.5994611	20	12 15.2	17.8
67097 2000 AF_{71}	14.6	X	231.08895	211.20196	214.34200	1.71102	0.0404708	0.22121318	2.7076678	20	7 27.8	18.4
67098 2000 AN_{74}	14.6	X	310.53668	165.82108	243.71652	8.30535	0.0682817	0.18216151	3.0819930	20	10 12.0	18.7
67099 2000 AK_{76}	13.8	X	52.39079	202.07285	120.31689	12.39242	0.0190461	0.18325151	3.0697595	20	11 13.3	18.3
67100 2000 AL_{76}	13.6	X	193.25482	261.11958	222.40266	6.78455	0.2466116	0.17474845	3.1685495	20	8 9.9	19.1
67101 2000 AW_{78}	15.7	X	277.75602	198.93481	205.59499	4.19325	0.3109861	0.22609243	2.6685707	20	7 19.1	19.4
67102 2000 AB_{80}	13.6	X	210.53879	196.42383	263.44519	15.43545	0.0783000	0.17274198	3.1930383	20	8 3.6	18.6
67103 2000 AC_{80}	15.1	X	221.00888	290.96655	126.43721	10.36271	0.2111039	0.21861868	2.7290482	20	6 20.1	19.6
67104 2000 AH_{81}	14.3	X	13.48317	306.29408	113.95889	11.42008	0.0944653	0.19181710	2.9776787	20	—	—
67105 2000 AV_{91}	14.5	X	235.23709	105.88806	128.47741	12.38884	0.0549965	0.19012228	2.9953486	20	—	—
67106 2000 AF_{92}	13.4	X	255.37230	167.26117	300.35816	20.17365	0.0232270	0.17586075	3.1551749	20	10 6.8	18.4
67107 2000 AU_{93}	15.0	X	29.21000	199.12934	157.60756	6.42919	0.2967775	0.24082410	2.5586021	20	—	—
67108 2000 AB_{100}	13.7	X	234.47079	10.64099	80.17208	14.25459	0.2129080	0.22701968	2.6612993	20	8 19.0	18.0
67109 2000 AC_{100}	15.1	X	353.18220	230.43502	162.94286	4.66725	0.2416011	0.23807940	2.5782291	20	—	—
67110 2000 AF_{101}	15.4	X	225.44183	259.46536	176.31204	4.26979	0.2675873	0.22319901	2.6915836	20	7 11.6	19.9
67111 2000 AL_{101}	15.2	X	3.21942	189.41196	180.95793	4.65933	0.2403448	0.23670991	2.5881638	20	12 18.6	18.0
67112 2000 AA_{104}	13.5	X	77.32640	236.40445	100.88474	16.44601	0.1243365	0.19181226	2.9777288	20	—	—
67113 2000 AC_{114}	14.0	X	58.62027	242.88603	176.69159	5.73103	0.2260120	0.19705400	2.9246858	20	1 7.1	17.1
67114 2000 AT_{115}	13.4	X	94.31227	313.61334	252.49713	8.62424	0.0599059	0.16912133	3.2384494	20	8 8.2	18.3
67115 2000 AF_{116}	14.4	X	285.93018	297.82695	154.10582	6.67929	0.1109762	0.18149569	3.0895259	20	10 30.5	18.4
67116 2000 AY_{116}	15.0	X	176.93207	130.41123	139.20118	15.19639	0.0186283	0.23760304	2.5816739	20	—	—
67117 2000 AA_{117}	13.5	X	185.07249	293.30231	142.17975	11.08442	0.2758680	0.21513121	2.7584627	20	6 11.9	18.6
67118 2000 AB_{120}	15.7	X	319.80943	204.05692	156.03729	6.72438	0.1210633	0.27024062	2.3693850	20	9 4.7	17.8
67119 2000 AP_{122}	16.2	X	294.23640	11.81850	211.23332	4.73043	0.1180060	0.29406027	2.2396414	20	1 1.9	19.3
67120 2000 AY_{122}	14.7	X	329.59741	243.30747	159.35513	5.51262	0.1541824	0.18172292	3.0869499	20	11 3.7	18.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
67121 2000 AE_{123}	14.3	X	99.86186	169.11449	142.12967	10.59846	0.0341339	0.18411802	3.0601204	20	12 23.7	18.9
67122 2000 AY_{123}	13.5	X	350.22211	73.43747	284.35926	16.44996	0.1477120	0.17642022	3.1485009	20	9 29.2	17.6
67123 2000 AL_{124}	13.7	X	317.52335	237.74177	130.41470	27.22281	0.1878017	0.17423444	3.1747781	20	8 21.3	17.4
67124 2000 AY_{127}	14.2	X	227.36455	294.78332	137.00010	10.08468	0.2624971	0.21875756	2.7278930	20	7 8.8	18.9
67125 2000 AC_{131}	14.8	X	297.57417	269.23218	146.56738	2.31334	0.1748765	0.17875524	3.1210222	20	9 21.1	18.4
67126 2000 AS_{133}	14.9	X	197.67395	11.66003	6.62189	3.67540	0.1512657	0.21135810	2.7911946	20	4 13.2	19.3
67127 2000 AN_{136}	15.1	X	182.82848	162.60171	42.35120	3.76104	0.1078138	0.22659128	2.6646526	20	11 21.7	19.1
67128 2000 AQ_{139}	14.0	X	0.35697	144.31677	188.97712	10.77248	0.0742108	0.18358221	3.0660718	20	9 19.5	17.8
67129 2000 AA_{140}	15.8	X	18.46625	199.56567	191.03548	6.66231	0.2842737	0.24138060	2.5546680	20	—	—
67130 2000 AA_{141}	13.4	X	36.32698	254.71861	163.68302	10.56016	0.1009236	0.19038436	2.9925991	20	—	—
67131 2000 AC_{143}	13.3	X	356.51968	85.23170	298.61676	13.49906	0.1648332	0.17931083	3.1145719	20	11 23.3	17.2
67132 2000 AD_{145}	14.2	X	344.71483	165.13606	261.97140	9.71972	0.0819448	0.19310285	2.9644464	20	12 28.3	17.8
67133 2000 AL_{145}	14.2	X	284.32205	277.47236	149.51590	16.66321	0.1139261	0.17739477	3.1369591	20	9 26.4	18.4
67134 2000 AB_{149}	12.7	X	90.90314	70.81125	115.07259	17.04478	0.0614522	0.16994084	3.2280298	20	7 13.2	17.2
67135 2000 AD_{152}	14.6	X	1.03067	346.41442	72.20285	8.99826	0.2522687	0.24279322	2.5447494	20	—	—
67136 2000 AG_{154}	14.0	X	242.48835	208.86835	322.09627	8.57251	0.0482630	0.18656974	3.0332526	20	12 17.1	18.3
67137 2000 AX_{155}	14.0	X	215.73654	234.61063	282.31941	11.95955	0.0591665	0.18257100	3.0773828	20	10 22.7	18.7
67138 2000 AF_{165}	13.4	X	71.00994	0.74244	62.97772	2.89950	0.0560732	0.20557305	2.8433169	20	1 11.8	17.2
67139 2000 AK_{165}	14.4	X	126.59761	268.69877	163.05923	10.55179	0.2099257	0.21106191	2.7938053	20	4 20.6	18.9
67140 2000 AD_{166}	13.3	X	224.14837	322.08028	136.02373	24.87175	0.1404907	0.17430283	3.1739477	20	8 16.5	18.2
67141 2000 AC_{169}	14.6	X	215.05484	230.21383	150.80784	7.94546	0.1568596	0.21651866	2.7466659	20	5 5.5	19.1
67142 2000 AV_{169}	15.1	X	273.56298	223.79028	128.02937	12.39538	0.2136939	0.22174287	2.7033541	20	5 23.5	19.1
67143 2000 AY_{170}	14.1	X	331.20041	253.28560	130.20762	9.49894	0.2396711	0.23220739	2.6215130	20	10 31.3	16.3
67144 2000 AO_{171}	15.3	X	35.65003	185.84667	172.69242	6.40218	0.3009707	0.23876962	2.5732580	20	—	—
67145 2000 AW_{173}	14.3	X	201.64145	276.36460	138.01073	10.20420	0.1977076	0.21689524	2.7434857	20	6 1.4	19.0
67146 2000 AN_{175}	14.5	X	18.10084	290.55905	135.19858	11.19555	0.1307517	0.19277948	2.9677605	20	—	—
67147 2000 AF_{176}	14.4	X	269.77230	292.49681	136.90756	10.01614	0.0837833	0.17974648	3.1095374	20	9 13.2	18.7
67148 2000 AG_{186}	14.1	X	173.22214	232.20280	154.43919	8.10259	0.2518338	0.21372907	2.7705138	20	4 6.8	19.0
67149 2000 AA_{187}	14.3	X	238.76780	283.54681	140.02992	9.27176	0.2534181	0.22420130	2.6835558	20	7 9.7	18.8
67150 2000 AK_{187}	14.5	X	93.33194	274.06192	121.90807	13.14584	0.1957723	0.20250559	2.8719577	20	1 27.3	18.2
67151 2000 AA_{188}	15.0	X	195.90450	240.88852	123.83078	14.18767	0.2187750	0.21301654	2.7766885	20	4 1.1	20.0
67152 2000 AM_{189}	14.6	X	311.69399	198.28964	212.96994	11.65742	0.2202379	0.23166298	2.6256185	20	10 19.5	16.6
67153 2000 AP_{189}	14.9	X	331.02976	259.63566	135.92045	13.97536	0.1716685	0.23248627	2.6194162	20	11 16.4	17.8
67154 2000 AJ_{194}	13.0	X	233.60402	203.50615	256.55745	16.77915	0.1333319	0.17488172	3.1669396	20	8 20.9	18.1
67155 2000 AK_{194}	13.6	X	74.86064	22.47578	246.97401	15.39963	0.0371634	0.17472058	3.1688865	20	9 27.6	18.5
67156 2000 AY_{197}	13.6	X	94.12089	282.70701	210.47504	8.66960	0.0843727	0.15844572	3.3823279	20	5 15.8	18.4
67157 2000 AR_{198}	12.5	X	319.19455	89.74804	282.45047	16.26941	0.1480336	0.17268909	3.1936901	20	8 23.9	16.6
67158 2000 AX_{199}	13.5	X	106.98425	85.02031	130.81690	13.24979	0.1301094	0.22884762	2.6471088	20	9 25.9	17.7
67159 2000 AC_{200}	14.8	X	183.14363	271.15590	145.40549	13.94713	0.1836149	0.21754960	2.7379816	20	5 21.3	19.6
67160 2000 AT_{200}	14.9	X	170.95443	232.68738	172.22483	12.87219	0.2488506	0.21450870	2.7637968	20	4 27.1	19.9
67161 2000 AA_{205}	13.2	X	24.60777	39.21128	356.01614	10.96824	0.0868549	0.18668382	3.0320167	20	—	—
67162 2000 AR_{217}	15.8	X	26.84138	217.58903	108.45992	6.85453	0.1299537	0.27619082	2.3352313	20	11 18.9	18.6
67163 2000 AU_{228}	14.5	X	156.57457	282.80698	160.41905	12.45599	0.2405051	0.21408145	2.7674728	20	5 31.5	19.5
67164 2000 AJ_{229}	14.0	X	88.50091	282.30684	354.30523	13.18295	0.0859057	0.23605061	2.5929808	20	11 8.9	17.9
67165 2000 AW_{230}	15.0	X	101.67329	6.88963	236.55493	8.32063	0.1062179	0.18169368	3.0872811	20	10 9.4	19.7
67166 2000 AZ_{232}	13.3	X	191.58800	353.37647	107.48199	11.32981	0.0527969	0.16733778	3.2614198	20	7 22.1	18.0
67167 2000 AM_{235}	15.1	X	300.38559	317.13973	125.45665	2.22801	0.1214695	0.18250831	3.0780874	20	11 7.1	18.7
67168 2000 AX_{237}	13.2	X	6.87255	6.04566	260.31666	14.31628	0.1669262	0.17880835	3.1204042	20	7 5.7	16.7
67169 2000 AV_{241}	13.4	X	64.76908	309.43231	218.78866	11.53245	0.0534236	0.15886097	3.3764313	20	5 17.7	18.1
67170 2000 AC_{244}	13.4	X	276.92487	186.64925	205.12332	16.42014	0.1015602	0.17898816	3.1183141	20	7 26.7	18.1
67171 2000 AQ_{244}	15.1	X	257.17862	295.47230	167.47460	14.82421	0.0477912	0.22584855	2.6704913	20	10 23.7	18.8
67172 2000 BH_{16}	14.4	X	159.50576	67.22385	326.51509	6.58679	0.2332662	0.21158069	2.7892366	20	3 30.3	19.3
67173 2000 BR_{17}	14.8	X	241.76174	330.18592	64.96021	6.27363	0.0286393	0.21515097	2.7582937	20	7 2.8	18.5
67174 2000 BS_{18}	15.6	X	60.31631	212.02690	350.23220	2.02153	0.1408215	0.25883994	2.4384575	20	7 11.8	18.3
67175 2000 BA_{19}	14.9	X	289.79300	105.21517	281.84697	21.55040	0.0673940	0.37492593	1.9047547	20	8 29.4	17.1
67176 2000 BP_{20}	14.6	X	298.54421	255.25601	134.32134	5.78260	0.1329403	0.17319079	3.1875196	20	8 23.9	18.6
67177 2000 BM_{22}	14.7	X	298.41499	330.31396	41.08211	0.92756	0.1679224	0.16979342	3.2298980	20	7 24.9	18.8
67178 2000 BE_{25}	13.8	X	85.72633	16.83325	301.43480	16.23193	0.1821576	0.18394369	3.0620536	20	12 31.1	18.7
67179 2000 BQ_{25}	14.1	X	81.48838	47.51565	310.98935	11.80142	0.1831649	0.19021519	2.9943732	20	—	—
67180 2000 BJ_{27}	14.7	X	181.59550	252.31295	329.09306	4.41608	0.1436907	0.27583739	2.3372255	20	12 17.6	18.0
67181 2000 BZ_{27}	13.8	X	223.98429	302.27734	153.14796	1.49222	0.1379090	0.17095770	3.2152168	20	8 12.5	18.7
67182 2000 BQ_{28}	13.0	X	167.58999	230.07571	17.25915	13.57338	0.0484190	0.18272489	3.0756547	20	12 21.2	17.8
67183 2000 BT_{33}	14.2	X	25.55931	223.17772	123.84165	8.98295	0.0808430	0.17831135	3.1261997	20	11 15.3	18.5
67184 2000 CS_{4}	14.8	X	0.76549	223.63857	182.52031	0.65116	0.1570690	0.18731335	3.0252195	20	—	—
67185 2000 CR_{6}	15.1	X	350.59968	111.43011	284.00667	4.15951	0.1508235	0.18425335	3.0586219	20	11 30.0	18.6
67186 2000 CF_{25}	14.2	X	335.45899	301.17085	160.77162	10.59937	0.1055465	0.18687514	3.0299470	20	—	—
67187 2000 CL_{27}	14.3	X	82.19180	3.51737	310.50493	14.48625	0.0705074	0.22810124	2.6528801	20	12 21.4	18.3
67188 2000 CV_{28}	15.9	X	135.66698	305.74614	264.13240	1.43084	0.1626956	0.26778201	2.3838657	20	10 17.5	19.8
67189 2000 CT_{30}	14.4	X	306.93812	213.55339	182.40896	5.02044	0.1147676	0.17589232	3.1547974	20	9 15.9	18.4
67190 2000 CB_{32}	13.6	X	337.32995	64.63623	304.82556	3.97039	0.1657014	0.17472849	3.1687908	20	9 28.6	17.1
67191 2000 CB_{38}	13.9	X	328.32151	27.73758	335.32838	4.13087	0.1429668	0.17388391	3.1790434	20	9 5.5	17.6
67192 2000 CH_{49}	14.6	X	65.88644	106.85032	159.40387	11.51398	0.1259254	0.21710353	2.7417307	20	10 10.3	18.5
67193 2000 CY_{57}	13.1	X	271.71016	82.32628	339.59754	9.22069	0.2458838	0.17263807	3.1943194	20	8 11.8	17.5
67194 2000 CA_{61}	14.1	X	335.25185	211.38699	195.32256	9.85105	0.1891583	0.17940832	3.1134436	20	11 19.1	17.4
67195 2000 CT_{66}	14.4	X	285.60595	214.97635	193.33149	12.64306	0.2459604	0.22488590	2.6781068	20	8 13.2	17.8
67196 2000 CE_{75}	15.8	X	333.07932	79.34223	341.32652	2.79095	0.0919648	0.23003537	2.6379890	20	12 14.7	18.9
67197 2000 CU_{79}	14.3	X	244.48212	241.26122	183.74712	1.27802	0.1340246	0.16760043	3.2580116	20	7 27.8	19.2
67198 2000 CR_{91}	15.9	X	90.68547	134.33277	352.81240	2.41910	0.0761973	0.30014457	2.2092713	20	4 25.2	18.3
67199 2000 CP_{96}	13.7	X	315.17013	113.70314	241.71399	15.25803	0.1603146	0.17247461	3.1963373	20	7 26.5	17.9
67200 2000 CG_{97}	14.2	X	297.24438	260.11969	170.28533	16.78572	0.2523681	0.17741165	3.1367600	20	9 29.2	17.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
67201 2000 CR_{103}	14.6	X	255.10373	181.96441	298.70066	12.89466	0.0682859	0.22519768	2.6756344	20	11 1.3	18.4
67202 2000 CJ_{108}	12.5	X	271.69699	221.86453	237.77698	16.09773	0.1905698	0.17955749	3.1117189	20	9 30.9	16.9
67203 2000 CQ_{124}	13.7	X	142.09209	81.46851	118.78292	4.17500	0.0986222	0.12306537	4.0029375	20	9 25.3	19.8
67204 2000 DJ_{4}	16.2	X	302.58383	73.17155	119.69913	7.29243	0.0475918	0.28941297	2.2635533	20	—	—
67205 2000 DB_{7}	14.1	X	300.85566	54.67857	357.10199	3.69588	0.1475735	0.17270491	3.1934952	20	9 22.8	18.0
67206 2000 DU_{15}	15.8	X	279.84370	324.61167	163.43669	5.63175	0.1793830	0.22872998	2.6480163	20	12 9.9	18.6
67207 2000 DJ_{19}	14.3	X	3.38241	180.23913	177.49549	0.97878	0.1770392	0.17696727	3.1420089	20	11 4.2	17.9
67208 2000 DQ_{20}	13.6	X	25.87355	358.54446	316.60566	17.33613	0.1085456	0.17219301	3.1998211	20	9 26.8	18.1
67209 2000 DN_{26}	15.7	X	203.52351	269.03322	153.90886	4.90743	0.0538507	0.21096953	2.7946209	20	6 19.0	19.8
67210 2000 DF_{29}	13.6	X	346.03963	217.59954	142.80821	5.92537	0.1437579	0.17337796	3.1852250	20	10 6.4	17.3
67211 2000 DT_{33}	15.8	X	309.39016	334.07648	173.58231	4.85577	0.0655987	0.23556445	2.5965471	20	—	—
67212 2000 DY_{35}	15.9	X	251.82381	263.17770	337.37927	6.86827	0.0821056	0.28751422	2.2735081	20	—	—
67213 2000 DN_{36}	14.0	X	4.36736	71.38822	338.60585	13.42250	0.1661068	0.18392086	3.0623069	20	—	—
67214 2000 DC_{47}	14.3	X	336.28683	213.06156	170.83312	1.05930	0.1691628	0.17525176	3.1624800	20	10 18.7	17.5
67215 2000 DL_{53}	14.0	X	347.92531	186.90715	168.72102	17.08357	0.1053728	0.17116853	3.2125761	20	10 1.4	18.0
67216 2000 DU_{56}	13.9	X	310.23103	233.49056	151.64379	2.93605	0.1742319	0.17096493	3.2151262	20	8 30.9	17.5
67217 2000 DL_{57}	15.0	X	191.91390	136.96140	257.97557	0.99380	0.0748621	0.20446709	2.8535606	20	4 29.6	19.4
67218 2000 DF_{62}	13.6	X	275.88578	166.89930	164.31420	19.11769	0.0840663	0.15700378	3.4030054	20	5 19.7	18.8
67219 2000 DE_{64}	14.7	X	152.45931	50.13221	277.19019	2.36180	0.2659586	0.23522130	2.5990718	20	1 9.7	19.0
67220 2000 DH_{67}	14.9	X	187.90435	273.53893	335.56983	10.93583	0.1654263	0.22937947	2.6430153	20	—	—
67221 2000 DP_{73}	15.6	X	133.49129	264.45504	12.47316	2.77790	0.1580132	0.27352188	2.3503976	20	—	—
67222 2000 DA_{75}	17.0	X	66.83021	43.36661	188.13690	4.34680	0.1087115	0.30804627	2.1713279	20	8 31.4	19.4
67223 2000 DC_{81}	15.4	X	216.44265	125.55128	111.41410	7.38089	0.0793305	0.28340133	2.2954515	20	—	—
67224 2000 DB_{95}	15.2	X	205.71856	301.75390	115.75155	5.37500	0.0591425	0.21054789	2.7983506	20	6 14.3	19.2
67225 2000 DM_{101}	14.4	X	53.83304	250.12741	13.25849	9.06208	0.1132446	0.21432330	2.7653905	20	9 18.0	18.0
67226 2000 DB_{102}	12.8	X	299.00563	280.32068	8.03078	11.25040	0.1139188	0.15394798	3.4478899	20	4 15.7	17.6
67227 2000 DV_{102}	13.7	X	319.06523	250.86809	143.90946	15.35593	0.2367929	0.17479805	3.1679501	20	9 28.3	17.1
67228 2000 DY_{107}	13.9	X	56.24010	242.53201	114.95598	11.11727	0.2320815	0.18400673	3.0613542	20	—	—
67229 2000 DX_{108}	13.9	X	15.45907	275.03614	82.06579	5.69746	0.1810113	0.17700990	3.1415044	20	11 24.1	17.8
67230 2000 EB	14.9	X	174.18393	136.65109	101.03358	24.58333	0.1654922	0.27241746	2.3567459	20	12 28.2	18.3
67231 2000 EH	15.1	X	278.18851	274.82322	139.50841	5.19669	0.1625838	0.17404481	3.1770838	20	8 21.8	19.2
67232 2000 EB_{3}	15.0	X	352.16285	149.14314	163.21236	7.64742	0.1482237	0.21213292	2.7843939	20	8 15.8	18.0
67233 2000 EP_{11}	13.6	X	318.20535	278.27314	104.94557	14.94189	0.1993795	0.17317968	3.1876559	20	9 16.6	17.4
67234 2000 ED_{12}	14.4	X	309.15452	266.22674	134.18089	17.65675	0.2555383	0.17667018	3.1455304	20	9 12.6	17.9
67235 Fairbank	15.4	X	75.69179	73.90984	175.73065	8.77049	0.0878931	0.21406931	2.7675774	20	9 22.6	19.2
67236 2000 EH_{19}	16.1	X	72.48755	23.72048	7.80163	6.26546	0.1504898	0.28611692	2.2809041	20	—	—
67237 2000 EA_{24}	16.6	X	314.55645	209.39857	351.08633	3.69501	0.0530926	0.28879178	2.2667981	20	1 9.4	19.3
67238 2000 ER_{26}	16.7	X	7.00383	195.64645	176.37720	21.63833	0.0675587	0.36843423	1.9270637	20	—	—
67239 2000 ER_{30}	15.3	X	146.59740	200.78921	44.41568	7.56002	0.0932912	0.27300418	2.3533681	20	12 13.4	18.7
67240 2000 EF_{39}	14.6	X	272.14015	123.02780	42.49984	1.61658	0.1273077	0.18141134	3.0904835	20	—	—
67241 2000 EZ_{44}	14.5	X	46.39592	312.83012	359.76770	13.83444	0.1354286	0.21711984	2.7415934	20	11 7.6	18.4
67242 2000 EG_{47}	14.5	X	305.06136	56.91100	51.26867	1.22430	0.1489916	0.17933389	3.1143049	20	12 13.3	18.1
67243 2000 ED_{57}	13.8	X	345.32758	69.16616	349.18122	14.31026	0.1839836	0.18011483	3.1052965	20	12 23.1	17.6
67244 2000 EH_{58}	13.1	X	161.73435	26.40463	13.46315	8.78177	0.0782406	0.15062361	3.4984367	20	4 6.4	18.4
67245 2000 EP_{60}	14.9	X	190.80707	64.51432	180.93795	5.40175	0.1125929	0.17919181	3.1159509	20	—	—
67246 2000 ED_{70}	12.8	X	296.83436	256.56549	175.52124	9.52654	0.1919197	0.12565064	3.9478403	20	9 28.5	17.7
67247 2000 EA_{82}	15.9	X	280.18615	110.36808	55.86231	4.02112	0.1215470	0.28144218	2.3060918	20	—	—
67248 2000 EY_{87}	13.3	X	279.79710	230.23425	232.91534	13.56363	0.2068646	0.18009052	3.1055759	20	10 17.2	17.4
67249 2000 EJ_{96}	14.8	X	278.26937	169.27483	156.85607	6.28676	0.1099953	0.25110002	2.4883123	20	5 8.1	18.1
67250 2000 EH_{97}	13.9	X	205.82504	193.72572	341.45443	10.15315	0.0903793	0.17202785	3.2018689	20	10 29.2	18.8
67251 2000 EB_{103}	15.3	X	140.25978	340.39557	239.65078	7.09540	0.0648729	0.21888707	2.7268169	20	10 25.8	19.4
67252 2000 ET_{104}	15.1	X	104.16853	351.98691	278.71750	6.08156	0.0865957	0.26764280	2.3846922	20	11 29.5	18.4
67253 2000 EA_{106}	14.7	X	127.79204	239.19192	38.07967	15.64960	0.1114736	0.22321746	2.6914353	20	12 23.0	19.1
67254 2000 EV_{108}	14.4	X	62.10230	87.29422	334.19107	1.71544	0.2618538	0.19145828	2.9813979	20	1 24.0	17.4
67255 2000 ET_{109}	13.1	X	353.96473	93.76273	312.67431	15.29783	0.2399623	0.18072817	3.0982669	20	12 31.8	16.6
67256 2000 EA_{113}	15.7	X	310.19689	25.17769	113.83864	2.25629	0.1435841	0.28054886	2.3109846	20	—	—
67257 2000 EY_{117}	14.7	X	270.78700	130.10573	99.40089	11.70465	0.0802219	0.24034201	2.5620224	20	—	—
67258 2000 EX_{119}	13.6	X	2.64434	321.43870	19.50588	11.24139	0.0718566	0.17190769	3.2033607	20	10 2.8	17.7
67259 2000 EA_{121}	13.7	X	44.52750	317.76966	355.67151	15.09412	0.0786707	0.17382578	3.1797521	20	10 20.3	18.2
67260 2000 EJ_{127}	14.3	X	288.90608	192.78260	129.98455	7.33792	0.0601840	0.20499334	2.8486749	20	5 26.5	18.2
67261 2000 EO_{127}	14.1	X	341.06184	250.27993	163.67833	26.73358	0.2112014	0.17894942	3.1187641	20	12 13.5	18.1
67262 2000 EU_{136}	14.9	X	277.29368	208.43729	65.46876	3.03801	0.0593314	0.24445077	2.5332328	20	3 5.2	18.2
67263 2000 ER_{150}	14.5	X	181.52968	210.97813	192.55689	1.54316	0.0365654	0.20236839	2.8732556	20	4 29.4	18.7
67264 2000 EM_{153}	15.6	X	143.97961	315.50508	247.14300	4.64348	0.1300663	0.26618079	2.3934163	20	10 14.9	19.3
67265 2000 EX_{158}	16.1	X	319.42881	336.58038	326.54474	7.21072	0.1167388	0.30180863	2.2011431	20	6 3.9	18.2
67266 2000 EC_{163}	16.4	X	236.27919	146.97507	188.73152	4.25187	0.0534575	0.29785057	2.2206004	20	3 30.7	19.3
67267 2000 EE_{183}	13.4	X	316.12099	34.85553	6.77814	23.78342	0.2275704	0.17512690	3.1639830	20	9 28.7	16.4
67268 2000 EC_{184}	14.4	X	151.93894	22.55765	62.78037	10.17525	0.1071045	0.20588738	2.8404222	20	5 21.9	18.6
67269 2000 FF_{5}	14.7	X	159.77291	27.30025	78.79607	14.04700	0.1213554	0.25495951	2.4631370	20	6 26.6	18.4
67270 2000 FJ_{12}	13.5	X	259.00199	88.86474	24.60289	18.07084	0.1947644	0.17723278	3.1388701	20	10 8.3	17.8
67271 2000 FW_{19}	13.9	X	46.44097	308.02201	84.13760	10.60604	0.0786712	0.18217536	3.0818367	20	—	—
67272 2000 FQ_{27}	14.2	X	118.98348	111.54364	337.51763	1.31076	0.0109897	0.19824841	2.9129269	20	4 8.0	18.3
67273 2000 FZ_{32}	14.7	X	201.55096	223.98906	92.62760	14.39308	0.1752442	0.23862868	2.5742712	20	2 3.5	19.1
67274 2000 FA_{41}	14.6	X	224.15464	66.27771	73.14916	5.40599	0.1839775	0.22048974	2.7135873	20	10 9.1	18.7
67275 2000 FU_{41}	15.3	X	174.92474	332.54923	49.20221	3.02657	0.1163323	0.24523299	2.5278431	20	3 26.2	19.0
67276 2000 FJ_{42}	15.1	X	65.57230	252.51425	50.35489	5.29018	0.0985962	0.21817522	2.7327449	20	11 18.5	18.8
67277 2000 FT_{43}	15.4	X	61.08388	0.03572	50.71359	3.54530	0.1372523	0.23529450	2.5985328	20	—	—
67278 2000 FF_{44}	16.1	X	6.55102	141.57631	120.91212	5.29062	0.0764904	0.30338469	2.1935133	20	7 3.8	18.0
67279 2000 FD_{45}	16.9	X	346.67638	151.01812	120.56711	1.82026	0.2044864	0.29949689	2.2124553	20	6 3.1	17.9
67280 2000 FL_{48}	14.7	X	108.44112	160.64225	162.95715	15.35934	0.1404237	0.22585618	2.6704312	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
67281 2000 FV_{60}	16.1	X	90.09411	171.93442	95.23421	7.74020	0.1014538	0.26542284	2.3979706	20	11 12.9	19.5
67282 2000 FR_{65}	13.6	X	7.28254	57.09066	358.82305	16.24364	0.2436816	0.18130813	3.0916562	20	—	—
67283 2000 GN	15.5	X	90.94848	321.03697	37.12184	4.42932	0.2061935	0.27611897	2.3356363	20	—	—
67284 2000 GD_{1}	15.9	X	237.94970	133.34752	155.58754	26.81697	0.1203854	0.38677409	1.8656541	20	1 13.6	18.7
67285 2000 GH_{2}	15.3	X	174.22025	2.38705	48.95991	2.69111	0.0707571	0.19927470	2.9029169	20	5 1.5	19.4
67286 2000 GT_{7}	15.7	X	213.68381	126.66977	146.90585	10.36262	0.2425047	0.27975094	2.3153768	20	—	—
67287 2000 GP_{23}	15.6	X	232.95514	129.93260	24.08754	7.11683	0.0542296	0.27122504	2.3636483	20	12 2.1	18.5
67288 2000 GN_{42}	14.7	X	42.76346	146.78117	206.30515	11.24295	0.1064109	0.22116288	2.7080784	20	12 24.9	18.6
67289 2000 GQ_{47}	15.9	X	328.43489	253.78465	208.02299	9.07898	0.1396562	0.27777290	2.3263558	20	—	—
67290 2000 GD_{54}	15.6	X	348.19970	142.48312	191.02008	2.01331	0.0866212	0.21044968	2.7992211	20	9 6.1	19.0
67291 2000 GN_{65}	14.5	X	287.17896	29.25383	105.91769	2.24424	0.1322109	0.17779685	3.1322278	20	12 19.8	18.3
67292 2000 GR_{65}	14.4	X	83.15127	178.74923	207.41644	12.33186	0.1585501	0.23086846	2.6316390	20	—	—
67293 2000 GE_{66}	14.7	X	184.06884	58.24297	213.34637	9.63440	0.0729938	0.17896643	3.1185665	20	—	—
67294 2000 GB_{74}	15.2	X	193.83304	263.85797	30.63351	3.55184	0.1230050	0.28030113	2.3123460	20	—	—
67295 2000 GK_{77}	16.6	X	92.46339	115.13642	32.19808	7.24910	0.0374975	0.29861620	2.2168032	20	5 21.0	19.1
67296 2000 GA_{80}	14.8	X	283.99645	139.83795	154.50946	13.67603	0.1617588	0.24294868	2.5436636	20	3 27.2	18.3
67297 2000 GM_{89}	15.8	X	167.66118	157.84362	102.16323	5.99408	0.1987422	0.27269566	2.3551427	20	—	—
67298 2000 GD_{91}	14.4	X	335.37388	124.64612	89.59347	11.27797	0.0319658	0.19330188	2.9624112	20	3 18.2	18.6
67299 2000 GS_{95}	14.6	X	263.99093	288.52296	1.57834	4.70341	0.2748298	0.23817395	2.5775467	20	2 17.6	18.9
67300 2000 GA_{99}	15.6	X	208.11994	306.52017	254.18584	5.81772	0.0587682	0.27317639	2.3523789	20	—	—
67301 2000 GR_{114}	16.1	X	174.26584	318.52843	31.41396	10.16984	0.0399967	0.28857853	2.2679147	20	2 7.1	19.2
67302 2000 GU_{132}	16.1	X	355.28564	117.63295	187.67892	21.97888	0.0740424	0.35374666	1.9800424	20	8 25.8	18.1
67303 2000 GR_{141}	15.0	X	173.78653	309.36585	46.39078	15.31657	0.1588948	0.23866024	2.5740442	20	3 2.5	19.4
67304 2000 GZ_{157}	13.5	X	302.34266	331.80382	97.83259	5.27049	0.2653336	0.17720681	3.1391768	20	10 7.2	16.9
67305 2000 GD_{159}	15.0	X	171.62720	195.05934	338.93296	15.30812	0.1540656	0.21756314	2.7378680	20	9 25.8	19.6
67306 2000 GP_{163}	14.4	X	244.08343	76.13783	181.56396	10.99473	0.0566160	0.18538500	3.0461620	20	1 11.8	19.2
67307 2000 GA_{184}	15.2	X	105.69874	135.59866	221.01367	2.54852	0.1398183	0.23292327	2.6161389	20	—	—
67308 Öveges	13.3	X	46.97771	138.81538	263.45584	9.59120	0.0999070	0.18997161	2.9969322	20	—	—
67309 2000 HO_{2}	16.4	X	353.36363	176.12509	151.68617	2.99786	0.1922394	0.30621941	2.1799552	20	10 11.1	17.7
67310 2000 HO_{9}	15.3	X	345.38281	128.85999	47.11526	9.64237	0.1339096	0.23861647	2.5743589	20	1 20.0	18.4
67311 2000 HF_{12}	15.0	X	233.80937	289.14631	34.72837	9.63797	0.1179525	0.24022269	2.5628707	20	3 16.1	18.9
67312 2000 HN_{15}	14.7	X	208.10890	134.85713	25.99398	16.01808	0.1068469	0.21722400	2.7407169	20	10 23.2	18.7
67313 2000 HG_{16}	15.2	X	25.95284	285.87557	55.06633	6.33723	0.0311056	0.21604094	2.7507134	20	11 7.4	18.7
67314 2000 HX_{23}	15.6	X	134.10943	223.28205	111.19593	6.97870	0.2314071	0.27948462	2.3168474	20	—	—
67315 2000 HR_{32}	15.2	X	155.20847	113.26218	4.05730	0.78874	0.0304832	0.20347007	2.8628748	20	7 1.8	19.1
67316 2000 HU_{37}	14.7	X	337.19078	151.49222	118.65771	13.05279	0.0420315	0.19902981	2.9052977	20	5 28.5	18.7
67317 2000 HE_{43}	15.8	X	79.49395	273.74037	207.43626	7.86424	0.0516408	0.24357018	2.5393349	20	3 31.1	19.1
67318 2000 HT_{50}	15.4	X	41.34039	345.69864	205.03895	3.84883	0.0675814	0.24671834	2.5176871	20	5 13.9	18.2
67319 2000 HC_{57}	15.8	X	187.92191	48.66340	91.23325	4.75669	0.1249482	0.26186573	2.4196373	20	9 12.4	19.4
67320 2000 HR_{60}	16.4	X	216.51774	52.68276	214.83222	5.01990	0.1448799	0.28002068	2.3138897	20	—	—
67321 2000 HN_{61}	16.4	X	228.22113	53.45452	177.19636	3.95803	0.0567850	0.27767324	2.3269124	20	—	—
67322 2000 HN_{62}	15.1	X	194.93424	103.12620	175.69609	0.94616	0.0939887	0.17934698	3.1141534	20	—	—
67323 2000 HX_{65}	16.5	X	15.18142	110.60872	85.37352	5.73095	0.0732053	0.29268042	2.2466751	20	4 7.3	18.7
67324 2000 HC_{69}	15.1	X	318.08804	151.36339	86.80695	4.06005	0.0769742	0.19247578	2.9708814	20	3 16.1	19.0
67325 2000 HU_{69}	15.6	X	287.39009	223.44963	226.47183	6.17761	0.0933681	0.26951591	2.3736305	20	11 21.6	18.0
67326 2000 HX_{73}	15.5	X	301.38153	177.22042	124.69916	16.20441	0.0945895	0.24599084	2.5226486	20	5 14.4	19.0
67327 2000 HD_{76}	14.4	X	228.14020	165.54435	65.97700	6.60051	0.1354357	0.27715647	2.3298039	20	—	—
67328 2000 HK_{77}	15.1	X	298.98581	83.62394	83.34588	14.47847	0.1323715	0.23453998	2.6041028	20	—	—
67329 2000 HV_{77}	14.5	X	136.93366	284.63258	49.23794	15.46048	0.1692697	0.23287109	2.6165297	20	—	—
67330 2000 HE_{79}	15.5	X	152.67263	40.68823	102.53845	15.13854	0.0536190	0.25883415	2.4384938	20	8 8.9	19.0
67331 2000 HN_{79}	16.2	X	52.41415	294.51138	239.46037	6.75805	0.0405631	0.29575066	2.2310993	20	4 30.1	18.7
67332 2000 HF_{81}	15.3	X	252.87570	289.31688	133.78884	24.19323	0.1221843	0.35734609	1.9667237	20	8 28.9	17.2
67333 2000 HG_{103}	14.3	X	139.79323	336.75633	109.51727	7.97792	0.1882539	0.20136687	2.8827747	20	5 18.4	19.1
67334 2000 JZ_{2}	14.7	X	303.43358	7.67067	92.72661	11.57576	0.1352315	0.22405655	2.6847115	20	12 16.8	17.7
67335 2000 JC_{6}	16.0	X	218.21543	192.67405	134.71084	27.47322	0.0880990	0.38534809	1.8702539	20	2 15.4	18.0
67336 2000 JG_{9}	17.1	X	272.48758	10.35050	247.11387	2.85189	0.1636667	0.28674672	2.2775631	20	1 18.7	20.5
67337 2000 JJ_{11}	15.3	X	158.79761	165.16896	11.25799	9.07472	0.0807127	0.21282772	2.7783306	20	9 23.0	19.4
67338 2000 JH_{12}	15.6	X	214.63368	53.60661	67.90403	4.19751	0.1635001	0.26380789	2.4077471	20	9 13.4	19.1
67339 2000 JL_{16}	15.8	X	175.83069	214.63522	78.58678	6.95393	0.1148088	0.27775027	2.3264821	20	—	—
67340 2000 JJ_{21}	12.7	X	325.85886	177.45077	249.44106	7.44477	0.1890810	0.12420154	3.9784881	20	11 7.3	17.2
67341 2000 JR_{21}	15.0	X	197.83680	225.83960	271.13962	3.40614	0.0433698	0.21275833	2.7789347	20	9 15.9	19.1
67342 2000 JA_{24}	14.0	X	100.44608	83.62335	276.22939	7.68713	0.0569135	0.17967304	3.1103847	20	—	—
67343 2000 JL_{24}	14.6	X	59.37235	99.86425	248.98504	13.10560	0.2084500	0.26830693	2.3807554	20	—	—
67344 2000 JD_{40}	15.5	X	2.36007	127.31437	50.72928	5.87989	0.1125942	0.23918264	2.5702948	20	2 23.6	18.3
67345 2000 JR_{48}	15.4	X	108.53115	321.10832	345.18607	6.58474	0.1199274	0.26912174	2.3759476	20	—	—
67346 2000 JB_{54}	14.9	X	169.67817	266.12993	249.20721	10.11087	0.2085887	0.26404466	2.4063075	20	9 3.6	19.2
67347 2000 JQ_{62}	14.5	X	264.81365	310.69649	248.36157	11.15636	0.2160743	0.23109073	2.6299513	20	—	—
67348 2000 JP_{65}	14.3	X	135.73320	313.12153	190.15287	14.68406	0.0831118	0.20424505	2.8556283	20	7 13.3	18.9
67349 2000 JF_{66}	14.2	X	105.04620	158.69517	125.84389	10.05882	0.1409296	0.21599017	2.7511444	20	12 12.2	18.6
67350 2000 JW_{66}	14.6	X	240.04893	158.44963	179.15600	10.29287	0.1012998	0.19326064	2.9628325	20	4 10.5	19.1
67351 2000 JQ_{79}	15.6	X	256.28109	124.01590	106.64286	3.66045	0.0623657	0.23310276	2.6147958	20	—	—
67352 2000 JN_{80}	16.1	X	321.95185	20.69199	47.34560	3.16291	0.1567488	0.27175828	2.3605554	20	12 25.2	18.1
67353 2000 JW_{82}	15.5	X	220.69349	28.33519	46.10161	12.46394	0.0523090	0.20632327	2.8364202	20	7 28.2	19.8
67354 2000 KM_{1}	14.8	X	110.74527	171.98727	92.57629	24.86459	0.2217607	0.26571404	2.3962183	20	12 6.9	19.0
67355 2000 KM_{4}	16.1	X	143.26525	213.15617	56.83727	1.22089	0.1787050	0.26794416	2.3829038	20	—	—
67356 2000 KD_{12}	14.6	X	114.48163	168.16769	237.20491	9.12009	0.0926027	0.18678243	3.0309495	20	2 17.0	19.1
67357 2000 KS_{15}	15.1	X	325.03931	169.47709	87.16174	3.22734	0.0245319	0.19459523	2.9492704	20	4 23.4	19.0
67358 2000 KU_{31}	14.5	X	203.42014	95.94671	174.00155	1.00619	0.1243914	0.17681057	3.1438651	20	—	—
67359 2000 KU_{37}	15.3	X	194.96305	237.61507	139.58902	3.77234	0.0772304	0.19284067	2.9671326	20	4 13.2	19.7
67360 2000 KU_{40}	15.3	X	302.31173	248.89489	240.56036	0.63080	0.1308771	0.17683431	3.1435837	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
67361 2000 KQ_{42}	16.3	X	332.51724	153.81801	160.01237	6.47375	0.2246964	0.29440844	2.2378753	20	7 10.5	17.4
67362 2000 KV_{70}	14.9	X	159.47217	182.44237	127.69541	13.47470	0.1194523	0.22697794	2.6616255	20	—	—
67363 2000 KG_{71}	14.7	X	343.33885	94.29287	49.26801	2.78322	0.1533568	0.18399071	3.0615319	20	—	—
67364 2000 KQ_{71}	14.5	X	239.50834	41.56359	145.91059	13.81321	0.0544188	0.17480079	3.1679169	20	12 29.7	19.1
67365 2000 LA_{23}	16.1	X	201.03095	66.80104	221.75008	6.36136	0.1256171	0.27485382	2.3427981	20	—	—
67366 2000 LV_{23}	15.4	X	89.95070	101.21622	253.97831	20.17643	0.0493676	0.36904085	1.9249513	20	—	—
67367 2000 LY_{27}	17.0	X	275.37177	184.82979	264.53346	9.02410	0.2127349	0.65848365	1.3084970	20	—	—
67368 2000 LH_{33}	12.6	X	99.89311	219.05207	126.54862	9.08037	0.2673169	0.12450726	3.9719728	20	—	—
67369 2000 MF_{2}	15.2	X	285.97693	215.77038	91.25511	3.79923	0.1433339	0.23937048	2.5689500	20	4 17.4	18.6
67370 2000 NX_{2}	13.8	X	197.13930	310.43742	269.45788	32.66464	0.2428712	0.22045040	2.7139101	20	12 12.6	18.3
67371 2000 NM_{5}	15.2	X	230.19178	218.50934	140.20598	9.98280	0.2594289	0.28221063	2.3019037	20	4 14.6	19.2
67372 2000 NU_{12}	14.6	X	79.15869	267.85066	160.45491	23.00407	0.2793899	0.27115969	2.3640281	20	2 18.9	17.0
67373 2000 NS_{13}	15.4	X	65.04580	114.29700	278.02562	4.94382	0.1323669	0.31499190	2.1392907	20	—	—
67374 2000 NE_{14}	16.3	X	181.12101	196.91225	141.92207	2.97692	0.2211859	0.27525969	2.3404946	20	2 8.7	20.2
67375 2000 NQ_{19}	15.2	X	269.72014	172.53303	124.94852	5.57085	0.2503562	0.23453344	2.6041512	20	3 5.0	19.3
67376 2000 NP_{28}	16.1	X	87.97355	5.24192	191.02186	2.61994	0.1206098	0.29687499	2.2254626	20	8 9.2	18.8
67377 2000 OW_{1}	13.9	X	52.66514	194.21231	293.08774	8.45881	0.0630036	0.18071709	3.0983935	20	3 6.3	18.1
67378 2000 OC_{3}	15.7	X	85.30859	315.77236	290.31973	19.32458	0.0450394	0.35203938	1.9864389	20	10 4.0	18.6
67379 2000 OB_{6}	14.2	X	195.72061	92.88115	294.50924	13.13849	0.1479371	0.18384062	3.0631980	20	4 18.4	19.5
67380 2000 OO_{6}	15.7	X	319.73965	206.80086	154.17641	6.04759	0.1656497	0.29822789	2.2187270	20	9 10.2	16.9
67381 2000 OL_{8}	19.8	X	78.88367	266.81274	294.95267	10.66641	0.5428830	0.64952774	1.3204975	20	10 3.0	22.2
67382 2000 OO_{15}	14.0	X	185.65863	81.09401	304.95157	13.56920	0.1499075	0.18350711	3.0669083	20	4 6.5	19.3
67383 2000 OQ_{15}	16.0	X	357.74425	215.05956	136.00625	5.30773	0.2035279	0.30181440	2.2011150	20	11 27.7	17.9
67384 2000 OK_{17}	14.4	X	243.27325	183.52950	131.90827	11.94726	0.1284542	0.18365078	3.0653086	20	3 18.4	19.2
67385 2000 OU_{21}	14.7	X	54.26927	347.13055	146.06625	24.90724	0.2033980	0.28158693	2.3053014	20	4 2.6	17.2
67386 2000 OO_{43}	15.5	X	48.20179	29.84429	223.64554	5.19800	0.1610250	0.29675563	2.2260593	20	9 11.9	18.1
67387 2000 OS_{44}	15.7	X	286.04392	187.86132	178.85825	7.80077	0.1850618	0.29108379	2.2548831	20	7 2.7	18.2
67388 2000 OZ_{44}	15.3	X	74.69182	161.88773	169.52972	15.06369	0.1701277	0.25838366	2.4413274	20	—	—
67389 2000 OW_{45}	15.4	X	137.36619	108.89493	165.67210	23.16668	0.0718192	0.36044747	1.9554260	20	—	—
67390 2000 OU_{47}	15.4	X	357.14352	198.32308	142.78350	6.05360	0.1719481	0.29776155	2.2210430	20	11 5.6	17.4
67391 2000 OE_{48}	15.6	X	61.31541	230.59856	127.78782	3.59591	0.1904431	0.30790892	2.1719736	20	—	—
67392 2000 OW_{57}	15.9	X	220.88372	196.11330	126.52528	7.03126	0.1377414	0.28001823	2.3139032	20	2 23.6	19.3
67393 2000 OX_{58}	14.5	X	106.44038	264.23675	130.45162	0.72080	0.1910191	0.17209667	3.2010152	20	2 13.8	19.1
67394 2000 OE_{61}	15.8	X	86.35682	157.81023	156.50108	3.83643	0.1983678	0.30664341	2.1779452	20	—	—
67395 2000 PR	15.9	X	32.55797	272.88946	83.91708	3.49246	0.2185769	0.30364728	2.1922485	20	—	—
67396 2000 PV_{2}	16.3	X	241.23913	117.77195	221.12603	3.55908	0.1712823	0.28445074	2.2898024	20	3 30.9	19.8
67397 2000 PR_{4}	15.2	X	138.26861	118.89253	234.01611	5.58552	0.1164540	0.26989818	2.3713887	20	1 4.9	18.3
67398 2000 PA_{6}	14.4	X	102.69171	269.23447	125.77154	10.38052	0.0655029	0.17538603	3.1608658	20	1 23.4	18.7
67399 2000 PJ_{6}	18.3	X	223.88067	225.26566	332.88553	14.69279	0.3460833	0.66415683	1.3010349	20	—	—
67400 2000 PW_{9}	15.2	X	160.42925	296.53752	65.16322	7.79477	0.1442300	0.27400967	2.3476073	20	2 16.7	18.7
67401 2000 PS_{21}	15.1	X	59.86248	28.08182	46.62444	4.91014	0.0936462	0.22155381	2.7048918	20	1 10.6	18.4
67402 2000 PK_{24}	16.2	X	358.08126	180.87214	135.04031	6.12093	0.2218271	0.29664585	2.2266085	20	10 5.8	17.7
67403 2000 PB_{25}	15.6	X	110.42538	297.34885	351.33911	5.40568	0.0837172	0.30610128	2.1805160	20	—	—
67404 2000 PG_{26}	15.0	X	304.83414	197.53985	274.01706	17.21539	0.0964393	0.35810566	1.9639417	20	—	—
67405 2000 QC_{3}	16.2	X	204.48422	118.90275	144.35719	2.96839	0.1244268	0.31895418	2.1215365	20	—	—
67406 2000 QK_{3}	16.3	X	145.21456	99.49006	166.41391	2.94396	0.1397822	0.31118777	2.1566899	20	—	—
67407 2000 QG_{4}	16.0	X	287.74519	148.21225	166.49816	12.56058	0.1515413	0.28652529	2.2787364	20	4 28.4	18.9
67408 2000 QS_{4}	15.4	X	142.80318	270.04623	306.99399	1.40811	0.0393553	0.30213462	2.1995595	20	11 10.0	18.0
67409 2000 QC_{5}	16.5	X	52.53331	134.22197	173.27661	4.56060	0.1065362	0.30253978	2.1975953	20	11 28.9	19.2
67410 2000 QS_{19}	16.1	X	156.12450	69.22510	147.20714	4.52290	0.0848147	0.30515790	2.1850077	20	11 25.5	19.1
67411 2000 QJ_{26}	16.0	X	297.97214	114.90504	201.87382	5.61052	0.1734516	0.28529429	2.2852866	20	5 10.3	18.6
67412 2000 QF_{36}	15.6	X	80.39219	33.45514	159.02532	7.20112	0.0525615	0.29271182	2.2465144	20	7 13.1	18.3
67413 2000 QK_{50}	14.6	X	303.50691	117.50738	157.22533	9.38885	0.1042273	0.18446378	3.0562953	20	4 8.9	18.8
67414 2000 QQ_{60}	15.1	X	116.22041	357.74947	36.17218	3.61170	0.0516466	0.22258500	2.6965312	20	1 30.8	18.8
67415 2000 QY_{62}	14.9	X	274.19688	22.25006	72.25945	7.08722	0.0398729	0.25199873	2.4823927	20	11 9.7	17.8
67416 2000 QW_{64}	15.5	X	30.02942	286.98289	94.57552	5.93015	0.0194616	0.30779284	2.1725196	20	—	—
67417 2000 QF_{65}	15.3	X	201.41136	156.33633	104.72122	7.16890	0.0831573	0.26598734	2.3945766	20	—	—
67418 2000 QS_{68}	15.6	X	228.15797	359.38299	189.12047	4.36986	0.0640580	0.30893252	2.1671732	20	—	—
67419 2000 QE_{76}	15.9	X	277.12378	32.18025	177.79004	6.13232	0.0634959	0.27042852	2.3682873	20	—	—
67420 2000 QU_{76}	16.1	X	137.03660	51.49495	174.22448	2.82487	0.0662382	0.30336027	2.1936310	20	11 15.7	19.0
67421 2000 QX_{76}	15.9	X	200.86088	143.95060	158.73159	9.49553	0.0458102	0.27234616	2.3571572	20	1 6.1	19.2
67422 2000 QZ_{83}	15.8	X	239.32367	171.13864	173.03597	7.55492	0.1613130	0.28209863	2.3025129	20	4 8.1	19.2
67423 2000 QN_{88}	15.4	X	303.65468	321.90053	200.58786	7.46098	0.0521411	0.26709189	2.3879703	20	—	—
67424 2000 QF_{92}	15.1	X	272.33999	157.94104	320.42497	7.01624	0.1513568	0.30354185	2.1927561	20	12 11.4	16.9
67425 2000 QK_{92}	15.7	X	282.55048	305.00478	309.50230	4.57378	0.1549060	0.27833385	2.3232291	20	1 28.2	18.9
67426 2000 QA_{98}	16.1	X	19.15846	159.45395	122.41839	4.76211	0.2069083	0.29561272	2.2317933	20	9 20.3	18.0
67427 2000 QU_{100}	15.9	X	105.63502	141.48024	123.44922	4.60906	0.1379591	0.30404418	2.1903402	20	12 4.1	19.1
67428 2000 QA_{103}	14.7	X	77.43827	41.50931	78.29820	7.15858	0.0787987	0.27608401	2.3358335	20	4 1.7	17.4
67429 2000 QJ_{105}	15.6	X	60.48044	178.01236	116.07851	6.66128	0.1939310	0.30159893	2.2021633	20	11 30.8	18.7
67430 2000 QL_{105}	15.9	X	78.81650	210.21477	81.99411	5.64247	0.1697652	0.30355633	2.1926864	20	12 13.6	19.1
67431 2000 QS_{108}	16.1	X	211.75016	134.16274	117.68285	3.18427	0.1783108	0.26925907	2.3751397	20	—	—
67432 2000 QN_{112}	16.6	X	148.87908	325.29882	331.75569	2.03973	0.1464355	0.31493525	2.1395472	20	—	—
67433 2000 QZ_{112}	15.2	X	174.33098	293.46573	165.76380	5.55205	0.0671436	0.23770244	2.5809542	20	7 2.4	18.9
67434 2000 QZ_{119}	16.4	X	143.71671	26.43052	228.30284	3.52620	0.1942183	0.30912968	2.1662517	20	12 25.9	19.8
67435 2000 QH_{121}	15.4	X	162.99693	261.56537	310.52389	4.44435	0.0411416	0.30285783	2.1960565	20	11 28.8	18.1
67436 2000 QP_{121}	15.8	X	197.98391	137.95819	306.35560	5.15960	0.0893598	0.28764634	2.2728118	20	7 12.2	18.7
67437 2000 QL_{122}	14.2	X	267.57347	120.18319	209.78570	11.38601	0.1171366	0.18359537	3.0659252	20	4 29.4	18.7
67438 2000 QU_{123}	14.7	X	171.24931	272.91388	196.93695	21.68565	0.0368199	0.23638923	2.5905039	20	7 9.8	18.9
67439 2000 QG_{126}	15.6	X	63.84618	307.99971	45.26720	3.02987	0.1887667	0.30826470	2.1703021	20	—	—
67440 2000 QD_{137}	15.8	X	232.91949	258.23702	93.33214	3.30356	0.1946700	0.28267762	2.2993677	20	4 9.4	19.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
67441 2000 QU_{139}	15.6	X	298.29842	166.80625	151.90021	7.34214	0.1441845	0.28719423	2.2751965	20	5 20.4	18.2
67442 2000 QF_{149}	15.6	X	146.87829	87.40590	228.27276	2.21321	0.0812116	0.21667291	2.7453621	20	—	—
67443 2000 QH_{149}	16.1	X	133.09404	324.90278	285.82929	1.97939	0.1174381	0.30611134	2.1804683	20	12 12.9	19.2
67444 2000 QM_{149}	16.6	X	177.59875	339.81394	320.16506	3.20148	0.2396057	0.26966586	2.3727505	20	—	—
67445 2000 QX_{149}	14.9	X	271.35124	123.34783	193.28784	9.32842	0.0782674	0.18364029	3.0654253	20	4 23.0	19.2
67446 2000 QF_{151}	14.7	X	105.31739	112.10866	319.89133	7.92507	0.0924236	0.27005120	2.3704928	20	3 2.7	17.5
67447 2000 QJ_{151}	14.8	X	288.93903	25.63957	295.20846	4.15564	0.1796239	0.28374512	2.2935970	20	4 28.8	17.7
67448 2000 QC_{156}	15.7	X	93.09861	177.01998	227.79773	6.14884	0.0951601	0.27081938	2.3660081	20	1 8.9	18.5
67449 2000 QQ_{166}	15.3	X	45.85017	218.12095	189.95413	8.62453	0.0773708	0.26388373	2.4072857	20	—	—
67450 2000 QN_{167}	16.3	X	231.84950	267.34630	246.13635	3.28510	0.0686145	0.30516333	2.1849818	20	12 8.0	18.4
67451 2000 QR_{168}	13.9	X	350.12381	187.48580	327.94728	12.01952	0.1415207	0.22151210	2.7052314	20	1 2.5	17.2
67452 2000 QG_{170}	15.7	X	305.45950	144.02090	290.10985	2.77652	0.1072585	0.30261234	2.1972440	20	12 11.2	17.4
67453 2000 QB_{172}	14.9	X	293.59806	204.91332	194.72407	4.49889	0.2053914	0.24464890	2.5318649	20	8 26.9	17.6
67454 2000 QU_{174}	15.6	X	310.98692	319.91965	265.51201	4.84593	0.1589985	0.27899448	2.3195602	20	1 22.2	18.4
67455 2000 QR_{176}	16.1	X	170.28352	22.69771	209.97723	3.11458	0.0489875	0.30899126	2.1668986	20	—	—
67456 2000 QT_{179}	15.7	X	163.73945	310.17421	134.09690	6.66382	0.0648494	0.28368702	2.2939102	20	6 1.7	18.8
67457 2000 QA_{181}	15.2	X	261.48200	18.29446	20.71546	5.22575	0.1425918	0.28436830	2.2902449	20	7 23.1	17.9
67458 2000 QB_{181}	15.4	X	222.10809	97.04663	316.83365	4.52403	0.1672804	0.28040209	2.3117909	20	6 20.7	18.7
67459 2000 QJ_{181}	14.9	X	50.33812	81.96315	322.91154	3.64590	0.1834065	0.25571679	2.4582717	20	—	—
67460 2000 QS_{181}	15.6	X	105.97600	122.28355	289.44649	1.71377	0.1962855	0.26473273	2.4021362	20	2 23.3	18.5
67461 2000 QY_{181}	15.1	X	217.46861	109.30343	285.29487	6.15132	0.1081104	0.27829145	2.3234651	20	5 23.9	18.4
67462 2000 QW_{186}	15.6	X	72.22355	243.45610	125.36511	7.23249	0.1381176	0.26299560	2.4127022	20	—	—
67463 2000 QM_{204}	14.5	X	98.71368	141.89558	101.17201	3.21360	0.0237514	0.20010666	2.8948652	20	10 3.5	18.5
67464 2000 QX_{208}	15.1	X	145.19365	359.87275	249.83967	4.04887	0.0673841	0.20878256	2.8141024	20	12 5.7	19.4
67465 2000 QL_{209}	16.8	X	41.81777	45.53106	241.87545	1.14142	0.2055465	0.30045821	2.2077336	20	10 31.6	19.4
67466 2000 QJ_{217}	14.6	X	79.75363	58.74185	277.75269	4.09204	0.1525795	0.25225161	2.4807334	20	—	—
67467 2000 QZ_{228}	17.1	X	131.34321	344.28824	336.70764	5.03440	0.0933022	0.31490235	2.1396962	20	—	—
67468 2000 QY_{229}	14.9	X	146.01023	286.42998	151.08106	9.72029	0.0792524	0.18040780	3.1019337	20	5 7.4	19.7
67469 2000 RX	15.8	X	275.56467	105.49532	339.43947	3.79059	0.0892286	0.29863927	2.2166890	20	10 31.4	17.9
67470 2000 RQ_{3}	15.4	X	191.37447	240.35296	167.97147	3.93372	0.3014498	0.22959097	2.6413920	20	5 14.0	20.2
67471 2000 RL_{4}	14.7	X	142.91284	313.67355	102.79355	5.86961	0.1288914	0.27388292	2.3483316	20	4 7.2	18.1
67472 2000 RD_{6}	15.5	X	281.49421	26.22631	17.10089	4.84209	0.1137897	0.29178362	2.2512762	20	9 6.3	17.8
67473 2000 RH_{6}	16.6	X	54.08848	157.80983	194.03842	4.16777	0.2425733	0.30562887	2.1827624	20	—	—
67474 2000 RL_{7}	16.1	X	22.18032	327.37791	27.53112	5.96495	0.2035065	0.30080432	2.2060397	20	—	—
67475 2000 RY_{7}	14.9	X	88.94158	358.74068	185.94120	6.61148	0.0467082	0.28402374	2.2920968	20	7 12.1	17.7
67476 2000 RM_{9}	14.9	X	354.49246	336.43311	115.40212	5.29152	0.1705825	0.25364158	2.4716620	20	—	—
67477 2000 RF_{10}	15.5	X	277.74182	185.50190	167.75397	6.15161	0.1822706	0.28280329	2.2986865	20	6 1.7	18.3
67478 2000 RR_{10}	15.6	X	7.67266	238.72183	127.34831	4.79108	0.2468479	0.29760673	2.2218132	20	—	—
67479 2000 RM_{11}	15.3	X	150.00793	183.41084	179.48452	6.37144	0.1347816	0.26594417	2.3948357	20	2 2.3	18.7
67480 2000 RP_{11}	15.1	X	293.15230	270.26986	88.31748	7.74939	0.1308639	0.28430622	2.2905783	20	7 13.1	17.3
67481 2000 RQ_{11}	15.2	X	231.95707	333.55019	73.22167	7.80073	0.1001483	0.28156863	2.3054013	20	6 29.2	18.3
67482 2000 RC_{13}	14.7	X	324.85385	50.01341	269.77434	9.22433	0.1082330	0.19243367	2.9713149	20	7 6.5	18.3
67483 2000 RC_{14}	15.5	X	275.75859	9.43636	256.06822	6.61800	0.0881599	0.27855558	2.3219960	20	2 8.8	18.8
67484 2000 RO_{14}	14.3	X	31.08121	230.63361	286.04338	10.66945	0.1179225	0.22760570	2.6567292	20	3 7.7	17.5
67485 2000 RU_{14}	13.7	X	42.17874	152.99316	221.05758	8.81948	0.1838965	0.15953274	3.3669461	20	—	—
67486 2000 RD_{18}	15.4	X	207.98288	315.93522	265.27513	4.59356	0.0891186	0.26183977	2.4197972	20	—	—
67487 2000 RQ_{19}	15.9	X	74.83374	0.71465	292.63568	7.43180	0.1514111	0.30406940	2.1902192	20	12 9.6	19.0
67488 2000 RM_{20}	15.8	X	68.53086	84.51416	216.03781	6.94409	0.1976850	0.30456367	2.1878489	20	12 16.6	19.2
67489 2000 RG_{22}	15.6	X	13.97557	153.04386	211.94740	2.68760	0.2492614	0.25245493	2.4794012	20	—	—
67490 2000 RN_{22}	16.0	X	85.53759	50.16195	273.11078	4.19310	0.1065259	0.30790926	2.1719720	20	—	—
67491 2000 RF_{23}	16.6	X	14.28662	147.20259	192.59613	5.92413	0.1584998	0.30012045	2.2093897	20	11 29.5	18.9
67492 2000 RT_{23}	15.4	X	167.44540	114.16663	322.82115	3.11256	0.0912832	0.28221935	2.3018562	20	5 25.7	18.6
67493 2000 RR_{27}	15.1	X	100.29321	235.16524	252.76527	2.56259	0.0457595	0.23059960	2.6336841	20	5 8.3	18.6
67494 2000 RL_{28}	15.4	X	282.40986	318.31669	326.02364	4.01948	0.2229866	0.28166965	2.3048501	20	2 26.7	18.7
67495 2000 RW_{29}	15.5	X	39.75942	358.61521	225.79881	8.78510	0.1214685	0.28820326	2.2698829	20	7 7.6	17.9
67496 2000 RK_{31}	15.2	X	276.47706	179.43545	228.67578	5.98937	0.1556606	0.29315763	2.2442363	20	8 23.5	17.6
67497 2000 RJ_{33}	16.4	X	112.55060	9.37360	310.11383	2.41360	0.2051256	0.31151369	2.1551854	20	—	—
67498 2000 RW_{39}	14.7	X	16.87265	110.83070	28.18793	6.89101	0.0809103	0.26626256	2.3929263	20	1 19.8	17.4
67499 2000 RV_{41}	15.5	X	133.96090	183.18530	246.68446	6.50384	0.0864194	0.27628869	2.3346797	20	4 4.0	18.6
67500 2000 RM_{43}	15.9	X	31.84694	30.86321	279.78536	6.56177	0.1317094	0.29796935	2.2200103	20	11 5.6	18.6
67501 2000 RU_{43}	15.1	X	152.46407	177.20863	325.38970	9.45562	0.0974493	0.28752189	2.2734676	20	8 9.6	18.1
67502 2000 RE_{44}	15.5	X	207.06134	100.43038	259.08541	5.14121	0.3302229	0.27832731	2.3232655	20	3 21.9	20.0
67503 2000 RW_{44}	15.3	X	160.92454	132.50856	318.55366	6.25421	0.0583027	0.28230555	2.3013876	20	6 5.4	18.4
67504 2000 RE_{45}	16.8	X	45.42215	69.24287	287.96015	2.32481	0.1952002	0.30512824	2.1851493	20	—	—
67505 2000 RK_{47}	16.2	X	44.54728	49.18016	304.78727	4.25814	0.1467048	0.30354109	2.1927598	20	—	—
67506 2000 RL_{47}	15.6	X	167.54205	91.88146	340.51652	6.48795	0.1388397	0.27844901	2.3225884	20	5 19.8	19.3
67507 2000 RS_{49}	15.7	X	126.17647	311.69271	28.52617	5.46110	0.1375617	0.31277846	2.1493715	20	—	—
67508 2000 RD_{50}	13.9	X	289.01112	202.83866	44.58507	7.15337	0.1056664	0.27089955	2.3655413	20	2 5.6	17.1
67509 2000 RU_{50}	15.3	X	183.69221	30.07397	26.51539	5.00615	0.1174959	0.27806643	2.3247184	20	5 16.3	18.7
67510 2000 RC_{53}	15.9	X	247.54299	357.05265	42.87540	2.80930	0.2330458	0.28389934	2.2927663	20	6 21.8	19.1
67511 2000 RR_{55}	14.4	X	214.33570	277.02366	81.65101	7.95663	0.0779393	0.27367915	2.3494971	20	4 8.8	17.8
67512 2000 RL_{56}	13.7	X	58.03239	158.94247	333.49662	11.26545	0.1077569	0.26946661	2.3739200	20	3 16.5	16.2
67513 2000 RA_{60}	16.1	X	356.26524	202.73284	146.55519	3.52484	0.1822721	0.29639467	2.2278663	20	11 16.5	18.1
67514 2000 RS_{60}	14.3	X	266.26117	159.35418	282.88624	13.28385	0.0615739	0.24167085	2.5526222	20	9 27.9	18.0
67515 2000 RN_{62}	14.4	X	336.94958	300.49071	225.72461	13.75216	0.1337221	0.21004399	2.8028243	20	—	—
67516 2000 RM_{65}	16.9	X	27.62249	191.12105	153.34519	5.69944	0.2105697	0.30196338	2.2003910	20	12 31.3	19.7
67517 2000 RQ_{65}	15.3	X	102.66016	297.35924	10.84477	5.33491	0.2088777	0.30836866	2.1698143	20	—	—
67518 2000 RS_{65}	15.7	X	53.51912	147.32924	134.54459	4.80851	0.1952212	0.29803880	2.2196654	20	11 7.4	18.6
67519 2000 RN_{66}	15.4	X	321.86604	182.50188	140.68356	4.97122	0.2045784	0.28911430	2.2651119	20	7 1.1	16.9
67520 2000 RU_{66}	15.4	X	111.05477	176.31063	169.08583	11.92425	0.1272370	0.26223147	2.4173870	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
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67521 2000 RN_{71}	15.1	X	144.64465	287.76830	163.49457	6.39243	0.0151131	0.28138621	2.3063976	20	5 14.4	18.0
67522 2000 RB_{79}	16.4	X	105.50896	141.57305	142.22534	3.67567	0.3075329	0.30701098	2.1762066	20	12 30.2	20.3
67523 2000 RV_{79}	15.4	X	319.21744	274.12437	302.32671	2.29780	0.0732170	0.22653510	2.6650930	20	2 12.4	18.7
67524 2000 RC_{83}	16.3	X	33.28792	327.76833	288.85784	4.90420	0.1330507	0.29270526	2.2465480	20	8 18.7	18.6
67525 2000 RW_{83}	15.5	X	242.92542	339.00717	311.62275	1.59384	0.2183919	0.27625929	2.3348454	20	1 30.9	19.4
67526 2000 RJ_{84}	16.2	X	203.00795	41.90066	204.67751	4.93089	0.1892760	0.26709471	2.3879535	20	—	—
67527 2000 RR_{84}	15.1	X	49.03619	35.68663	220.05871	1.34755	0.0641122	0.19425692	2.9526936	20	8 19.7	18.9
67528 2000 RC_{87}	16.0	X	9.60750	140.47719	203.75795	2.45440	0.1449081	0.29982438	2.2108440	20	11 25.7	18.3
67529 2000 RQ_{90}	15.8	X	280.22266	151.31345	259.94299	6.09846	0.1058996	0.29445844	2.2376219	20	9 12.2	18.2
67530 2000 RS_{90}	15.5	X	4.36613	239.32043	293.43905	6.88024	0.0465688	0.27386550	2.3484311	20	2 13.3	18.1
67531 2000 RV_{92}	14.7	X	250.23341	231.06349	307.76996	3.41841	0.1508382	0.25846625	2.4408073	20	—	—
67532 2000 RZ_{94}	16.7	X	45.49637	229.58880	130.16142	2.86591	0.1571919	0.30588927	2.1815235	20	—	—
67533 2000 RD_{95}	15.4	X	313.24653	114.07583	154.18170	6.68837	0.0876860	0.28104802	2.3082474	20	4 8.9	18.0
67534 2000 RL_{95}	16.5	X	35.49178	7.57774	33.22474	2.82702	0.1561013	0.30892666	2.1672007	20	—	—
67535 2000 RY_{100}	15.4	X	209.19454	33.48138	275.23231	9.92467	0.1450824	0.27276504	2.3547433	20	1 23.7	19.0
67536 2000 RX_{104}	13.2	X	119.37838	313.22648	248.07036	12.03857	0.1148874	0.24238339	2.5476171	20	9 10.2	17.3
67537 2000 SL_{1}	15.1	X	226.22973	97.52905	243.11328	22.07967	0.2775600	0.27946264	2.3169690	20	3 6.7	19.7
67538 2000 SC_{4}	15.8	X	286.80632	210.38062	129.50260	5.95036	0.2349214	0.28776977	2.2721619	20	5 18.1	18.6
67539 2000 SK_{4}	16.6	X	325.45125	259.44155	106.03682	2.55922	0.1873844	0.29495540	2.2351079	20	10 3.1	17.8
67540 2000 SX_{10}	15.6	X	176.93149	252.04439	76.73113	7.41503	0.1276460	0.27014787	2.3699272	20	1 19.8	19.1
67541 2000 SO_{17}	16.1	X	96.58349	351.77719	221.91776	4.14625	0.0727457	0.29378025	2.2410643	20	9 6.8	19.1
67542 2000 SR_{20}	15.4	X	26.35399	358.89570	256.52174	5.02377	0.2103509	0.28947831	2.2632126	20	8 16.6	17.5
67543 2000 SB_{32}	17.0	X	157.14827	307.86237	359.12331	2.72824	0.1471541	0.31673443	2.1314372	20	—	—
67544 2000 SQ_{34}	15.8	X	95.77765	256.07116	328.12244	4.80849	0.1637571	0.29698251	2.2249255	20	9 29.9	19.0
67545 2000 ST_{35}	15.0	X	236.73165	339.34584	20.13083	2.12850	0.0988973	0.18325813	3.0696855	20	5 2.8	19.5
67546 2000 SU_{38}	16.4	X	76.13565	148.61623	125.39278	5.29999	0.1196471	0.29997031	2.2101268	20	11 13.9	19.4
67547 2000 SE_{43}	14.6	X	29.13225	254.04936	329.26472	4.72266	0.0455758	0.23329727	2.6133422	20	6 7.1	17.9
67548 2000 SL_{47}	12.3	X	171.59258	148.64682	272.57648	11.76341	0.1326587	0.08268657	5.2181039	20	5 12.7	19.8
67549 2000 SL_{51}	16.2	X	74.92886	314.45772	302.87561	5.63330	0.1166651	0.29936582	2.2131010	20	10 15.6	19.2
67550 2000 SG_{56}	16.5	X	280.97445	282.44687	348.90379	2.88026	0.2385283	0.28085931	2.3092813	20	2 8.2	20.0
67551 2000 SF_{57}	14.9	X	186.48627	205.72085	359.75364	14.97790	0.0817990	0.20508562	2.8478203	20	11 19.8	19.4
67552 2000 SM_{63}	16.8	X	73.09556	148.83557	156.98067	4.59565	0.2026699	0.30466573	2.1873602	20	12 27.7	20.1
67553 2000 SU_{64}	16.2	X	15.41466	66.81636	181.97927	6.16162	0.0884440	0.28763221	2.2728863	20	6 27.9	18.5
67554 2000 ST_{67}	14.8	X	227.44195	285.48811	179.15449	11.82757	0.1483083	0.19282637	2.9672793	20	8 26.6	19.5
67555 2000 SG_{69}	16.2	X	352.95658	253.87744	110.08766	2.33112	0.1806050	0.29895971	2.2151048	20	12 2.5	18.0
67556 2000 SO_{79}	14.6	X	231.72878	282.48580	34.15978	3.29106	0.1061146	0.17734505	3.1375453	20	3 8.4	19.4
67557 2000 SP_{82}	15.1	X	150.00538	102.93243	48.46572	7.26817	0.0919344	0.28889032	2.2662826	20	8 22.1	18.3
67558 2000 SP_{83}	16.6	X	2.47691	203.35136	91.27966	2.97388	0.1051131	0.29114175	2.2545839	20	8 20.6	18.5
67559 2000 SV_{84}	16.6	X	107.61835	110.82476	169.75099	4.05773	0.1558674	0.30508988	2.1853324	20	12 25.7	20.0
67560 2000 SC_{85}	15.2	X	12.99074	32.00516	146.77348	3.65429	0.1356271	0.27386102	2.3484568	20	3 5.4	17.1
67561 2000 SE_{85}	15.5	X	148.25793	69.99780	91.52245	5.60850	0.0822820	0.28997622	2.2606212	20	9 1.9	18.6
67562 2000 SY_{86}	16.0	X	332.77981	188.65378	103.43245	5.37101	0.2094404	0.28786084	2.2716826	20	6 2.8	17.4
67563 2000 SM_{87}	14.8	X	127.52697	305.51583	66.33151	7.50920	0.1621057	0.21706028	2.7420949	20	2 2.3	18.9
67564 2000 SS_{87}	15.3	X	289.24127	216.73248	142.47334	6.97142	0.1309095	0.28827639	2.2694990	20	7 6.6	17.8
67565 2000 SN_{88}	15.4	X	358.42034	140.32192	72.27224	5.49890	0.1187040	0.27749252	2.3279226	20	4 1.2	17.6
67566 2000 SQ_{94}	15.3	X	351.83401	309.29451	258.21364	4.84407	0.2080310	0.27991338	2.3144809	20	2 21.8	17.2
67567 2000 SV_{98}	15.5	X	340.40690	283.66722	340.62350	6.97203	0.0913585	0.28498181	2.2869568	20	5 13.6	17.8
67568 2000 SL_{99}	15.6	X	21.75991	20.31399	222.13937	5.09594	0.1073986	0.28738837	2.2741717	20	7 1.7	17.7
67569 2000 SN_{101}	15.8	X	217.86699	118.60452	131.38019	7.40048	0.0894927	0.26682690	2.3895510	20	—	—
67570 2000 SB_{102}	15.5	X	298.66604	15.26887	212.79321	3.55233	0.1077105	0.27383815	2.3485875	20	1 18.5	18.6
67571 2000 SG_{102}	17.0	X	97.47161	357.88607	318.55143	1.66365	0.1596824	0.30887163	2.1674581	20	—	—
67572 2000 SU_{106}	16.5	X	351.91247	38.45604	286.31391	1.27892	0.0410839	0.29336498	2.2431787	20	9 10.7	18.7
67573 2000 SB_{111}	16.0	X	322.86793	178.14700	131.15280	1.05377	0.2446592	0.28966006	2.2622659	20	6 1.5	17.3
67574 2000 SL_{111}	15.2	X	108.09754	270.68913	175.32042	4.19736	0.1116964	0.27385441	2.3484945	20	3 30.9	18.2
67575 2000 SY_{111}	14.4	X	229.34960	317.65014	20.26846	10.87921	0.1163984	0.17815108	3.1280744	20	3 30.5	19.3
67576 2000 SA_{112}	16.6	X	44.97217	110.57498	183.82862	2.59864	0.1763772	0.29838905	2.2179281	20	11 10.3	19.2
67577 2000 SB_{112}	16.2	X	347.47078	233.40831	163.89324	1.21152	0.1917296	0.30110652	2.2045635	20	—	—
67578 2000 SO_{112}	16.2	X	297.02325	231.97717	193.57300	4.70984	0.1152802	0.29753113	2.2221896	20	11 10.2	18.0
67579 2000 SZ_{112}	16.3	X	16.58825	213.75838	165.63654	1.65603	0.1421810	0.30341505	2.1933670	20	—	—
67580 2000 SN_{117}	16.2	X	214.61262	300.16041	166.00260	5.19053	0.0989345	0.29070520	2.2568404	20	8 31.2	19.0
67581 2000 SB_{119}	16.3	X	3.76670	271.53700	40.11597	4.19827	0.1774797	0.29414498	2.2392114	20	10 1.3	18.0
67582 2000 SN_{119}	15.1	X	109.71967	126.54385	50.96959	7.26689	0.0543150	0.28697730	2.2763429	20	8 5.2	18.1
67583 2000 SZ_{120}	14.8	X	265.47431	0.74082	167.61290	7.62826	0.1106780	0.25614661	2.4555210	20	—	—
67584 2000 SB_{123}	15.8	X	205.79584	327.97699	137.48115	3.14116	0.0921881	0.28874933	2.2670202	20	8 20.3	18.6
67585 2000 SP_{124}	16.8	X	302.55790	241.40595	166.47797	3.61331	0.1920696	0.29501100	2.2348270	20	10 17.8	18.2
67586 2000 SH_{125}	14.8	X	350.81763	355.54811	98.93611	5.90037	0.0762929	0.25739791	2.4475564	20	—	—
67587 2000 SK_{125}	15.9	X	244.87832	284.18550	148.34039	6.81054	0.1039885	0.28975283	2.2617830	20	8 22.9	18.5
67588 2000 SS_{127}	15.3	X	194.52340	302.92002	144.91837	6.80285	0.1288390	0.28309694	2.2970966	20	7 9.7	18.8
67589 2000 SL_{131}	15.0	X	59.19418	225.44685	270.43232	10.64801	0.1585974	0.27583744	2.3372253	20	3 27.3	17.6
67590 2000 SU_{135}	15.4	X	329.37313	288.56026	295.68305	6.70852	0.0628946	0.27666790	2.3325459	20	2 29.2	18.3
67591 2000 SM_{136}	15.4	X	10.57385	259.03293	326.15583	5.92633	0.1035278	0.28299370	2.2976553	20	5 9.5	17.7
67592 2000 SD_{138}	16.5	X	317.82051	107.47483	318.34468	5.03287	0.1125620	0.30093848	2.2053841	20	12 22.2	18.4
67593 2000 SK_{138}	14.8	X	16.85248	297.88018	261.56440	10.82119	0.1308908	0.22801817	2.6535244	20	4 14.4	17.8
67594 2000 SC_{139}	15.1	X	51.06023	194.61641	346.45539	6.77968	0.0429801	0.28074862	2.3098882	20	5 7.6	17.9
67595 2000 SQ_{139}	16.0	X	11.78357	52.99362	290.91298	6.37296	0.1178018	0.29868940	2.2164410	20	11 22.1	18.4
67596 2000 SV_{139}	15.1	X	68.16131	225.37061	324.21390	5.52173	0.1385779	0.28383663	2.2931040	20	7 6.4	17.8
67597 2000 SA_{141}	16.1	X	23.10884	313.68059	328.36381	4.96579	0.1607451	0.29340464	2.2429766	20	9 14.9	18.3
67598 2000 SG_{141}	15.9	X	51.31531	297.60156	344.47522	6.50702	0.1455701	0.29713342	2.2241721	20	10 24.3	18.7
67599 2000 SA_{145}	15.8	X	222.39591	83.82023	226.61601	2.96606	0.1617531	0.27464339	2.3439947	20	2 7.3	19.5
67600 2000 ST_{146}	15.4	X	347.96791	53.47591	218.01748	5.10718	0.1563154	0.28636683	2.2795769	20	6 9.4	17.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
67601 2000 SQ_{147}	16.4	X	358.64213	114.66275	200.12990	2.68657	0.1916517	0.29414073	2.2392329	20	9 25.3	18.0
67602 2000 SR_{147}	14.8	X	102.93980	150.54908	14.42191	5.96131	0.0833748	0.28394788	2.2925050	20	7 10.7	17.8
67603 2000 SR_{148}	16.3	X	29.50628	298.22569	357.46293	2.77222	0.1650518	0.29564353	2.2316382	20	10 18.1	18.5
67604 2000 SV_{148}	15.2	X	263.13807	2.10629	214.84945	2.92155	0.1323557	0.26459134	2.4029918	20	—	—
67605 2000 SE_{149}	15.1	X	92.62442	177.77731	21.30644	3.84011	0.0753132	0.28806208	2.2706245	20	8 14.9	17.9
67606 2000 SY_{150}	14.8	X	170.53939	23.54449	13.49372	1.94622	0.0969084	0.22591924	2.6699343	20	4 9.0	18.9
67607 2000 SO_{151}	16.3	X	135.30461	116.97971	188.10710	4.47212	0.1680746	0.31145340	2.1554634	20	—	—
67608 2000 SR_{154}	14.8	X	180.22865	75.73120	49.75248	6.78543	0.0363187	0.28873235	2.2671091	20	8 24.3	17.7
67609 2000 SK_{156}	14.8	X	284.80129	172.92710	357.24621	3.39959	0.0897297	0.25959307	2.4337389	20	—	—
67610 2000 SM_{160}	14.5	X	310.39538	203.67776	255.95428	7.49648	0.1199258	0.29685851	2.2255450	20	—	—
67611 2000 SW_{160}	14.3	X	261.21529	333.84598	70.79122	8.27191	0.2051021	0.28386278	2.2929632	20	7 20.2	17.2
67612 2000 SA_{161}	15.3	X	254.10266	354.33758	4.58796	5.92005	0.1764445	0.27840595	2.3228279	20	5 8.9	18.7
67613 2000 SL_{162}	16.1	X	36.63980	6.67186	282.67528	6.96391	0.1943251	0.29731892	2.2232469	20	10 21.9	18.8
67614 2000 SU_{162}	16.2	X	234.74560	102.18814	317.55186	3.36728	0.1238246	0.28731117	2.2745791	20	7 18.8	19.2
67615 2000 SU_{166}	15.0	X	292.38279	121.06494	240.70586	6.20077	0.1808460	0.29000776	2.2604573	20	7 6.6	17.3
67616 2000 SH_{168}	14.9	X	92.98970	143.10677	307.70946	5.65463	0.0764365	0.27242227	2.3567182	20	3 8.1	17.8
67617 2000 ST_{168}	15.3	X	205.27111	148.20374	290.78894	2.65821	0.1534829	0.28527352	2.2853975	20	7 8.2	18.7
67618 2000 SR_{169}	15.5	X	317.38039	226.37274	289.85722	1.76996	0.1196930	0.26129249	2.4231749	20	—	—
67619 2000 SJ_{171}	14.2	X	95.13289	312.29064	216.67075	11.46398	0.2156336	0.22956983	2.6415541	20	7 16.5	18.4
67620 2000 SW_{175}	15.6	X	10.06025	231.67940	301.23990	5.53854	0.0523395	0.27203136	2.3589754	20	2 22.5	18.2
67621 2000 SY_{175}	15.9	X	89.92357	59.33439	257.33182	5.46125	0.1920086	0.30663029	2.1780074	20	—	—
67622 2000 SJ_{176}	15.7	X	236.39953	137.87462	332.92313	6.35480	0.0908354	0.29394993	2.2402018	20	10 5.3	18.5
67623 2000 SK_{176}	15.9	X	47.31502	105.55725	145.06449	4.12764	0.1580390	0.29122139	2.2541728	20	9 8.3	18.2
67624 2000 SM_{177}	14.4	X	181.91688	281.54125	348.79777	7.90183	0.1749995	0.26175934	2.4202929	20	—	—
67625 2000 SA_{179}	14.8	X	342.64765	241.67559	0.23923	6.61267	0.1042983	0.27802036	2.3249751	20	4 12.8	17.0
67626 2000 SP_{180}	14.5	X	296.88470	230.90810	13.33141	9.67536	0.2233929	0.27286080	2.3541924	20	1 26.4	18.0
67627 2000 SW_{187}	16.3	X	25.52164	222.26751	122.91061	7.25177	0.1629338	0.30107568	2.2047140	20	12 23.1	19.0
67628 2000 ST_{188}	14.1	X	213.67390	248.72461	173.73768	21.72068	0.1257593	0.23296490	2.6158272	20	6 25.4	18.6
67629 2000 SK_{193}	14.6	X	266.69977	299.97272	353.09120	13.35720	0.0381444	0.18024964	3.1037479	20	3 22.2	18.9
67630 2000 SC_{200}	15.1	X	6.80428	30.35534	152.62561	8.97696	0.1432537	0.27431643	2.3458568	20	2 27.4	17.1
67631 2000 ST_{202}	15.3	X	49.43487	64.39442	28.00366	1.89506	0.0454917	0.21809499	2.7334151	20	1 15.2	18.7
67632 2000 SA_{206}	15.2	X	314.42509	168.12640	47.83837	3.04769	0.1512228	0.27173851	2.3606699	20	1 18.1	18.1
67633 2000 SA_{209}	16.0	X	67.86219	184.32116	102.97165	6.31638	0.0508279	0.29967318	2.2115875	20	11 13.9	18.7
67634 2000 SP_{210}	15.7	X	141.32233	252.68014	87.17141	7.25796	0.1445795	0.26670332	2.3902891	20	—	—
67635 2000 SE_{211}	16.2	X	348.84748	205.33007	148.39278	7.23003	0.1653442	0.29710567	2.2243105	20	11 8.1	18.1
67636 2000 SO_{211}	14.4	X	23.68617	21.65932	73.55800	10.09061	0.1169591	0.21293508	2.7773966	20	—	—
67637 2000 SQ_{211}	15.7	X	282.55071	197.17588	102.44770	7.39972	0.1958110	0.28235173	2.3011367	20	3 25.8	18.9
67638 2000 SH_{214}	15.4	X	348.78375	256.59395	279.07904	1.22227	0.1529539	0.27220455	2.3579746	20	1 12.5	17.5
67639 2000 SE_{216}	16.2	X	15.01891	81.74926	185.81614	5.91022	0.2124436	0.29188965	2.2507310	20	8 14.1	17.9
67640 2000 SW_{216}	15.7	X	10.85311	187.00304	118.52849	6.42912	0.2050600	0.29499393	2.2349132	20	10 13.1	17.7
67641 2000 SA_{217}	15.5	X	130.24733	244.27410	87.79913	7.63909	0.1346302	0.26350674	2.4095812	20	—	—
67642 2000 SJ_{217}	16.4	X	233.07482	276.77143	132.03853	6.43825	0.0999778	0.28599596	2.2815471	20	7 3.5	19.3
67643 2000 SK_{218}	14.8	X	34.94341	237.51177	98.66720	6.50114	0.2144091	0.30154237	2.2024386	20	12 29.4	17.6
67644 2000 SK_{220}	15.8	X	223.10287	279.47540	125.12310	7.92523	0.1620548	0.28346225	2.2951227	20	6 10.5	19.2
67645 2000 SZ_{221}	14.9	X	56.48009	196.29536	111.35712	8.62778	0.2017531	0.29988919	2.2105254	20	12 14.1	18.1
67646 2000 SD_{224}	14.9	X	261.99421	178.28299	16.08751	13.35632	0.0843675	0.21119959	2.7925910	20	—	—
67647 2000 SM_{225}	15.4	X	237.41362	296.87106	142.48709	7.27961	0.1282040	0.28894903	2.2659756	20	8 18.8	18.4
67648 2000 SD_{226}	16.1	X	235.37418	258.66287	125.84929	7.16018	0.1818743	0.28281974	2.2985973	20	5 26.2	19.6
67649 2000 SS_{227}	15.2	X	300.15528	116.97913	183.22364	15.07639	0.0475604	0.22834588	2.6509850	20	5 14.0	18.8
67650 2000 SM_{228}	15.8	X	346.27010	264.17685	14.72476	5.35469	0.1772034	0.28749449	2.2736121	20	6 16.7	17.4
67651 2000 SG_{231}	15.8	X	315.30356	345.80819	34.05363	3.41707	0.1896882	0.29339785	2.2430111	20	9 30.5	16.9
67652 2000 SX_{233}	15.3	X	52.89508	123.65410	99.44318	8.06572	0.1051018	0.28951002	2.2630474	20	7 28.1	17.8
67653 2000 SU_{235}	16.7	X	20.09687	284.21040	326.66906	1.52828	0.1217107	0.28866821	2.2674449	20	7 15.2	18.6
67654 2000 SK_{237}	16.0	X	293.15689	301.43030	127.05999	5.93934	0.1280807	0.29584707	2.2306146	20	11 7.5	17.9
67655 2000 SE_{239}	15.5	X	179.91263	282.96381	148.39780	10.18323	0.2363274	0.27888375	2.3201741	20	6 3.9	19.6
67656 2000 SX_{243}	15.8	X	195.41471	45.51286	124.75398	5.09436	0.0461605	0.30178035	2.2012806	20	11 15.3	18.5
67657 2000 SF_{255}	15.0	X	227.80594	91.39017	156.80022	5.32376	0.0354642	0.21527374	2.7572449	20	—	—
67658 2000 SQ_{258}	15.5	X	264.14173	22.99618	153.80837	3.16643	0.1216136	0.25756521	2.4464964	20	—	—
67659 2000 SA_{261}	16.1	X	123.15671	245.11197	188.45858	7.09081	0.1683008	0.27202757	2.3589973	20	4 9.7	19.4
67660 2000 SH_{261}	15.0	X	225.48083	302.16642	184.32602	11.70038	0.0704373	0.19264296	2.9691625	20	10 1.8	19.2
67661 2000 SL_{261}	15.9	X	165.45241	17.04086	116.73011	4.02089	0.1090937	0.28753818	2.2733818	20	8 11.9	19.0
67662 2000 SF_{268}	15.2	X	61.07173	172.14656	65.11675	4.37703	0.1848227	0.23999272	2.5645077	20	9 7.6	18.7
67663 2000 SG_{268}	15.6	X	119.71814	110.24490	40.44599	7.20257	0.0500179	0.28404513	2.2919817	20	7 7.9	18.6
67664 2000 SJ_{269}	16.6	X	341.83533	218.41421	156.35937	6.66983	0.1274574	0.29702385	2.2247190	20	11 21.2	18.6
67665 2000 SX_{271}	14.5	X	218.94551	77.17659	267.48907	5.56346	0.1477712	0.26990360	2.3713570	20	3 16.7	18.3
67666 2000 SZ_{272}	15.5	X	241.15854	47.02505	214.57792	9.84472	0.1997303	0.27062328	2.3671509	20	—	—
67667 2000 SK_{274}	17.0	X	321.62881	181.47682	187.69415	6.26317	0.1661977	0.29370589	2.2414426	20	9 27.2	18.6
67668 2000 SU_{274}	16.3	X	262.65407	189.20965	182.61590	5.87504	0.1263392	0.28536623	2.2849024	20	6 15.9	19.2
67669 2000 SC_{275}	15.6	X	359.88417	251.26172	74.02708	4.25521	0.1227079	0.29345664	2.2427115	20	10 7.8	17.7
67670 2000 SL_{275}	15.5	X	357.85885	275.82711	44.96942	6.99703	0.1543527	0.29282788	2.2459208	20	10 1.6	17.3
67671 2000 SS_{275}	15.7	X	215.49565	195.10779	190.30392	6.38881	0.1189849	0.27986778	2.3147323	20	5 10.7	19.1
67672 2000 SA_{277}	16.1	X	38.54310	303.45028	27.91353	7.28734	0.1747686	0.30030674	2.2084759	20	12 21.5	19.0
67673 2000 SD_{278}	15.6	X	107.72494	258.44703	34.42156	3.08112	0.1687056	0.30473807	2.1870141	20	—	—
67674 2000 SH_{278}	16.3	X	1.14955	75.10882	220.82725	6.33531	0.1385403	0.28953552	2.2629145	20	8 18.5	18.4
67675 2000 SE_{280}	14.2	X	275.68336	149.51211	152.36608	24.33523	0.2595811	0.18213880	3.0822491	20	3 20.0	19.1
67676 2000 SP_{285}	15.6	X	339.07774	331.62517	298.31600	5.76607	0.1054551	0.28406852	2.2918559	20	5 20.3	17.9
67677 2000 SF_{286}	14.4	X	234.79794	34.69643	229.64130	5.05318	0.0632483	0.16796308	3.2533203	20	1 12.4	19.3
67678 2000 SQ_{287}	13.9	X	271.21737	162.75547	300.09832	11.12344	0.2062113	0.24502615	2.5292655	20	10 13.6	17.1
67679 2000 SR_{289}	15.4	X	71.87188	231.55906	333.21295	6.38494	0.1053717	0.28843517	2.2686660	20	7 29.8	18.1
67680 2000 SU_{292}	14.7	X	214.46435	317.42983	250.24240	13.76780	0.0592853	0.25497633	2.4630287	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
67681 2000 SH_{293}	13.6	X	86.76402	311.30051	238.73143	20.78380	0.2256068	0.28285934	2.2983828	20	8 2.9	17.4
67682 2000 SQ_{295}	15.6	X	321.61412	56.76578	333.74296	3.34250	0.1727694	0.29403664	2.2397613	20	11 2.1	17.1
67683 2000 SW_{298}	16.6	X	27.97851	337.41596	315.88185	5.92077	0.1619970	0.29612934	2.2291969	20	10 9.1	19.0
67684 2000 SX_{298}	16.3	X	198.52680	177.92896	325.18976	6.88424	0.0624833	0.29569778	2.2313653	20	10 3.9	19.2
67685 2000 SK_{299}	15.8	X	169.89835	49.18994	228.33165	5.83417	0.1096224	0.26286301	2.4135135	20	—	—
67686 2000 SN_{300}	15.4	X	79.09802	303.40844	224.90958	7.56796	0.0930186	0.28215797	2.3021900	20	6 12.4	18.1
67687 2000 SO_{304}	16.0	X	24.45271	96.19275	323.21419	5.46938	0.0810618	0.30929059	2.1655003	20	—	—
67688 2000 SX_{304}	15.5	X	92.14950	8.32882	253.94464	5.09758	0.1191939	0.29943855	2.2127427	20	11 13.6	18.6
67689 2000 SN_{307}	15.6	X	158.25183	250.21156	165.81188	2.55548	0.1885262	0.27456036	2.3444672	20	4 24.3	19.2
67690 2000 SH_{309}	15.9	X	212.00843	139.56019	278.46962	2.75179	0.2243746	0.28201080	2.3029909	20	6 12.2	19.5
67691 2000 SS_{310}	13.4	X	172.79246	135.71838	251.25622	20.95450	0.0209820	0.22566384	2.6719484	20	3 16.9	17.6
67692 2000 SX_{320}	15.3	X	201.80826	246.12385	251.75049	2.87945	0.0397336	0.29383048	2.2408089	20	10 5.4	18.1
67693 2000 SW_{323}	15.9	X	320.59649	17.28575	171.67812	2.42292	0.1410018	0.26846634	2.3798129	20	—	—
67694 2000 SD_{333}	14.5	X	299.78273	0.38646	269.74418	14.20216	0.0612018	0.18263021	3.0767176	20	3 25.6	19.1
67695 2000 SH_{336}	16.3	X	228.56543	126.37194	325.80253	3.07515	0.0750748	0.29053460	2.2577238	20	9 1.8	19.0
67696 2000 SJ_{348}	13.8	X	188.00190	237.17891	97.30389	14.06994	0.1996648	0.17478091	3.1681571	20	2 20.8	19.3
67697 2000 SW_{352}	15.1	X	18.51605	172.27159	104.28765	9.21973	0.2373242	0.29231978	2.2485226	20	9 18.7	17.3
67698 2000 SW_{354}	15.1	X	275.83412	312.57183	118.75415	15.19197	0.1104962	0.24768624	2.5111238	20	10 6.7	18.4
67699 2000 ST_{369}	15.8	X	39.34274	171.43171	112.52319	5.91297	0.1826483	0.29895866	2.2151100	20	10 23.1	18.4
67700 2000 TZ_{9}	16.1	X	25.54283	268.61435	9.49015	3.22054	0.1298638	0.24259643	2.5461254	20	9 1.7	18.8
67701 2000 TP_{10}	16.7	X	278.44952	180.44859	211.82960	4.14113	0.0463381	0.29134447	2.2535379	20	8 21.9	19.2
67702 2000 TD_{14}	14.6	X	55.79185	67.47725	106.07334	2.44126	0.0753638	0.17844550	3.1246327	20	5 14.9	18.7
67703 2000 TU_{15}	15.3	X	305.05671	342.37612	218.33663	0.67214	0.1280146	0.26725755	2.3869834	20	—	—
67704 2000 TS_{21}	16.2	X	351.60715	186.09761	103.51236	6.38521	0.1622394	0.28936191	2.2638195	20	7 21.7	17.6
67705 2000 TY_{21}	14.4	X	241.39122	183.85952	75.42848	8.92780	0.1138681	0.26594814	2.3948119	20	—	—
67706 2000 TR_{26}	15.2	X	329.07222	20.80454	112.13252	5.47460	0.0676616	0.21192903	2.7861794	20	—	—
67707 2000 TD_{28}	15.6	X	53.96772	278.41264	271.91583	4.06185	0.1303877	0.28265509	2.2994899	20	6 12.2	17.8
67708 2000 TO_{34}	16.1	X	227.15331	10.05764	98.67643	2.43049	0.1388365	0.29247243	2.2477401	20	9 16.3	19.0
67709 2000 TE_{40}	15.0	X	246.89370	142.34442	123.95462	12.42353	0.1565883	0.22455300	2.6807531	20	1 14.0	19.2
67710 2000 TO_{67}	16.3	X	326.34797	56.38952	235.53396	3.07125	0.1290835	0.28555381	2.2839017	20	5 29.7	18.4
67711 2000 UB	14.8	X	181.62292	234.98862	242.94300	5.78649	0.0548334	0.28647167	2.2790206	20	8 7.6	18.0
67712 Kimotsuki	15.6	X	254.19551	179.44478	237.86495	3.93820	0.1254557	0.28893182	2.2660655	20	8 8.3	18.5
67713 2000 UF_{1}	15.7	X	243.92542	355.16550	357.88859	1.04355	0.0818323	0.27875770	2.3208735	20	5 1.4	18.5
67714 2000 UC_{2}	16.4	X	97.17308	189.40677	153.54994	3.78720	0.1582694	0.30925584	2.1656625	20	—	—
67715 2000 UM_{3}	15.0	X	272.69285	0.61371	217.49788	11.59507	0.1565007	0.26606959	2.3940831	20	—	—
67716 2000 UQ_{7}	15.3	X	42.42089	262.94264	178.04167	2.02157	0.1589290	0.26148083	2.4220112	20	—	—
67717 2000 UA_{8}	15.8	X	124.50572	7.39839	103.62490	0.34873	0.1670489	0.27623702	2.3349709	20	5 30.7	19.3
67718 2000 UQ_{9}	16.3	X	321.40710	273.45458	64.17623	5.16514	0.1650344	0.28858433	2.2678843	20	8 2.8	18.0
67719 2000 UY_{10}	15.4	X	142.30518	165.33600	279.20175	6.14095	0.1044212	0.27687556	2.3313795	20	5 6.9	18.7
67720 2000 UQ_{11}	14.9	X	127.52967	207.38590	255.25361	4.00551	0.0883484	0.27661627	2.3328362	20	5 13.6	17.9
67721 2000 US_{14}	16.2	X	18.70244	300.53137	3.65215	4.12434	0.2156154	0.29488696	2.2354537	20	10 21.9	18.3
67722 2000 UE_{15}	16.1	X	250.04431	131.67428	263.18714	4.61260	0.1620300	0.28474964	2.2881997	20	6 26.8	19.1
67723 2000 UQ_{15}	16.7	X	30.01313	29.34954	241.85806	1.05058	0.0887922	0.29068852	2.2569268	20	8 29.1	18.8
67724 2000 UP_{16}	15.2	X	290.51740	7.86760	348.20531	5.43099	0.1855690	0.28702462	2.2760927	20	6 24.5	17.6
67725 2000 UU_{16}	14.3	X	273.94759	143.67854	212.92811	25.38592	0.1567220	0.28137838	2.3064404	20	6 3.2	17.6
67726 2000 UP_{17}	16.3	X	161.32780	300.13568	144.56852	5.34472	0.0931772	0.27952899	2.3166023	20	5 31.3	19.5
67727 2000 UH_{23}	15.1	X	216.20228	176.57695	202.81212	14.15420	0.0857048	0.22880222	2.6474589	20	5 6.9	19.0
67728 2000 UN_{23}	15.4	X	32.22592	115.87198	77.75539	5.42729	0.0822126	0.27655589	2.3331757	20	5 4.2	17.7
67729 2000 UQ_{23}	16.8	X	52.48867	199.26736	141.96282	3.67358	0.2496035	0.30400969	2.1905059	20	—	—
67730 2000 UX_{23}	15.5	X	142.52513	358.13092	110.92058	4.95072	0.1327368	0.27879677	2.3206567	20	6 13.9	18.8
67731 2000 UJ_{25}	16.0	X	334.17217	157.30207	176.99352	7.48554	0.1887351	0.29113258	2.2546312	20	8 25.3	17.4
67732 2000 UA_{26}	15.6	X	257.10192	186.98848	184.06921	6.12934	0.1367858	0.28375249	2.2935573	20	6 6.3	18.7
67733 2000 UC_{26}	15.9	X	78.61598	247.42695	87.91772	6.75873	0.2053478	0.30596484	2.1811642	20	—	—
67734 2000 UE_{26}	15.0	X	281.86111	158.35072	106.82953	6.51421	0.0331887	0.27141340	2.3625546	20	2 29.9	18.0
67735 2000 UH_{26}	15.9	X	248.07839	161.95952	175.19281	6.30382	0.2257459	0.27978423	2.3151931	20	4 1.9	19.4
67736 2000 UD_{28}	16.0	X	354.73759	345.42558	272.66530	3.03863	0.1051731	0.28481522	2.2878485	20	6 2.8	17.9
67737 2000 UN_{28}	15.6	X	256.71242	92.25574	200.21398	6.53182	0.1182226	0.27447776	2.3449375	20	2 20.0	19.1
67738 2000 UB_{29}	16.4	X	32.88207	125.12519	128.51211	1.49655	0.1053526	0.28799521	2.2709760	20	8 9.9	18.4
67739 2000 UV_{29}	16.4	X	40.59613	302.98698	15.11022	6.56305	0.1634950	0.29886086	2.2155932	20	12 3.4	19.3
67740 2000 UJ_{30}	16.7	X	289.72251	232.56888	104.30870	2.22692	0.1763439	0.28467912	2.2885776	20	5 26.5	19.2
67741 2000 UZ_{33}	15.5	X	269.44272	137.84958	250.79546	6.68628	0.1479943	0.28652216	2.2787529	20	7 15.5	18.2
67742 2000 UP_{34}	15.8	X	53.69593	71.19476	220.05778	4.06322	0.1642790	0.29744209	2.2226331	20	11 14.3	18.7
67743 2000 UK_{35}	15.5	X	243.71962	31.71478	206.80647	2.25389	0.1157145	0.26413846	2.4057378	20	—	—
67744 2000 UE_{38}	15.5	X	42.75244	189.94174	245.64970	5.06856	0.1320647	0.26108560	2.4244549	20	—	—
67745 2000 UT_{39}	15.5	X	33.39858	89.17656	198.54593	2.58606	0.1121074	0.24195515	2.5506222	20	9 23.6	18.5
67746 2000 UG_{40}	16.0	X	302.27928	16.74899	28.92140	5.81823	0.1447394	0.29429345	2.2384582	20	10 16.3	17.7
67747 2000 UF_{43}	15.8	X	326.42033	115.32732	203.92098	3.24090	0.1584299	0.28766116	2.2727338	20	7 10.8	17.5
67748 2000 UJ_{45}	16.3	X	278.78559	149.49145	199.70904	5.68011	0.1301923	0.28432107	2.2904986	20	6 5.5	19.0
67749 2000 UZ_{46}	15.6	X	242.48581	197.30689	224.35181	5.88958	0.0790786	0.28694170	2.2765312	20	8 4.7	18.5
67750 2000 UN_{47}	15.2	X	180.07581	82.10223	261.70321	2.85275	0.2460736	0.27103559	2.3647496	20	2 14.2	19.2
67751 2000 UF_{48}	14.7	X	287.85322	244.87313	64.02821	10.26831	0.0821855	0.22852296	2.6496153	20	5 2.8	18.1
67752 2000 UK_{48}	14.9	X	101.35717	309.45025	67.44657	5.66851	0.0949013	0.21143615	2.7905076	20	—	—
67753 2000 UQ_{48}	15.0	X	310.92325	335.71489	249.88727	5.42455	0.0512700	0.26888695	2.3773305	20	2 8.2	18.1
67754 2000 UF_{49}	15.4	X	339.70916	200.14992	67.00176	7.87349	0.0976272	0.27978713	2.3151772	20	5 19.9	17.7
67755 2000 US_{49}	15.4	X	262.49397	277.70028	50.91401	4.43460	0.1948587	0.27955093	2.3164810	20	4 8.6	18.8
67756 2000 UP_{50}	15.0	X	181.33331	205.06039	214.30763	5.82315	0.0986493	0.27729111	2.3290497	20	5 18.9	18.3
67757 2000 UA_{52}	16.3	X	257.33925	131.89681	232.85093	5.60875	0.1342896	0.28287044	2.2983227	20	5 28.4	19.3
67758 2000 UF_{55}	15.2	X	290.19392	124.01119	203.40299	7.24416	0.1849952	0.28334189	2.2957725	20	5 12.3	17.8
67759 2000 UW_{55}	16.0	X	68.08930	212.13738	106.78745	5.90232	0.1899164	0.30135965	2.2033288	20	—	—
67760 2000 UY_{57}	15.1	X	294.14207	72.53423	238.55023	6.80916	0.1527870	0.28397416	2.2923636	20	4 27.7	17.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
67761 2000 UM_{60}	15.6	X	216.52215	209.34456	230.23443	6.53531	0.0950518	0.28705076	2.2759545	20	7 25.1	18.7
67762 2000 UA_{61}	15.0	X	215.17454	291.34956	271.93964	3.82293	0.0438206	0.25473119	2.4646087	20	—	—
67763 2000 UU_{61}	15.7	X	67.45852	75.83908	256.79785	4.95272	0.1384941	0.25414910	2.4683704	20	—	—
67764 2000 UH_{62}	16.0	X	298.79542	50.15857	339.65370	3.82221	0.0783577	0.29246361	2.2477853	20	9 18.4	18.0
67765 2000 UM_{62}	15.7	X	76.70321	249.27721	273.12831	4.88535	0.1204898	0.27806491	2.3247268	20	6 4.5	18.3
67766 2000 UH_{65}	15.7	X	60.43997	214.96335	261.10940	4.60876	0.0822694	0.27049928	2.3678743	20	2 23.6	18.3
67767 2000 UC_{66}	15.8	X	274.90991	264.15574	254.19502	6.40582	0.1451580	0.25522123	2.4614528	20	—	—
67768 2000 UY_{66}	16.0	X	297.75180	324.70806	307.84358	3.22280	0.1417938	0.27808114	2.3246364	20	3 10.9	19.0
67769 2000 UG_{67}	15.7	X	19.52608	246.18302	286.10156	3.42624	0.0963762	0.27217690	2.3581344	20	3 6.9	18.1
67770 2000 UD_{72}	15.1	X	133.17556	186.46264	275.37898	3.50997	0.1040227	0.27683394	2.3316131	20	5 21.1	18.1
67771 2000 UJ_{74}	15.4	X	95.27882	301.95007	130.71879	10.99293	0.2346698	0.26666183	2.3905370	20	3 18.7	18.4
67772 2000 UZ_{77}	15.9	X	294.35826	99.72116	221.24300	6.04124	0.1379650	0.28307135	2.2972351	20	5 16.7	18.4
67773 2000 UM_{79}	14.8	X	56.51591	44.59131	249.71824	12.49855	0.1646312	0.24450593	2.5328519	20	11 10.1	18.3
67774 2000 UO_{79}	16.1	X	271.40464	144.63793	244.02441	4.45076	0.1352186	0.28656560	2.2785226	20	7 20.9	18.6
67775 2000 US_{80}	15.4	X	241.43878	328.92681	243.55639	8.86998	0.0784960	0.25715190	2.4491172	20	—	—
67776 2000 UX_{80}	16.1	X	278.40129	295.38038	44.80198	5.00738	0.0988402	0.28174573	2.3044351	20	5 26.7	18.8
67777 2000 UH_{81}	16.0	X	45.08055	138.62058	188.30726	6.58432	0.2081097	0.30018317	2.2090819	20	12 26.9	19.2
67778 2000 UT_{81}	16.3	X	279.28034	158.83129	179.85491	5.55120	0.1947908	0.28355076	2.2946450	20	5 12.1	19.1
67779 2000 UU_{81}	12.9	X	106.19889	208.26264	262.62901	35.55381	0.1713334	0.21941793	2.7224169	20	5 11.4	17.3
67780 2000 US_{84}	15.9	X	7.08720	203.49264	109.36943	2.91735	0.1831946	0.24379799	2.5377527	20	9 28.6	18.3
67781 2000 UC_{85}	15.3	X	27.32552	2.97927	125.30761	1.97696	0.1333086	0.26582709	2.3955389	20	1 18.4	17.5
67782 2000 UW_{85}	16.5	X	81.41665	222.93996	111.65107	2.19994	0.2222065	0.30734300	2.1746390	20	—	—
67783 2000 UJ_{89}	16.5	X	355.26832	173.97665	156.54691	4.72890	0.2332875	0.29398880	2.2400043	20	10 24.3	18.0
67784 2000 UV_{89}	15.9	X	246.45367	253.28536	113.58905	7.41813	0.1532550	0.28155306	2.3054863	20	5 17.9	19.2
67785 2000 UM_{91}	15.4	X	53.10326	277.41473	258.27774	3.37519	0.0989834	0.27813332	2.3243456	20	5 13.3	17.7
67786 2000 UX_{94}	15.7	X	19.45933	39.74578	267.75132	6.89612	0.1610747	0.29395456	2.2401783	20	10 15.9	18.2
67787 2000 UD_{95}	16.1	X	0.48105	91.90149	275.22987	5.06018	0.1352854	0.29830679	2.2183358	20	12 11.9	18.2
67788 2000 UR_{95}	15.1	X	348.60432	238.29036	13.03994	7.01606	0.0708346	0.27952520	2.3166232	20	5 10.7	17.7
67789 2000 UD_{97}	16.0	X	267.17537	104.85086	264.80900	4.33397	0.1896213	0.28567639	2.2832483	20	6 8.7	19.0
67790 2000 UG_{100}	15.3	X	164.86481	152.13869	298.93828	4.42475	0.1431712	0.27878624	2.3207151	20	6 13.1	18.7
67791 2000 UP_{100}	14.8	X	170.68629	79.63856	20.54963	5.99785	0.1405262	0.28051542	2.3111682	20	7 2.0	18.3
67792 2000 UD_{102}	15.3	X	7.17734	355.56869	316.60833	4.37035	0.1317084	0.29194890	2.2504264	20	9 26.9	17.5
67793 2000 UE_{102}	15.9	X	350.30478	62.99573	287.11395	4.44862	0.2198821	0.29557095	2.2320036	20	11 8.8	17.5
67794 2000 UZ_{103}	14.2	X	343.11914	318.25034	270.81482	5.86221	0.0642080	0.27275905	2.3547778	20	3 28.5	17.0
67795 2000 UC_{104}	14.4	X	332.35790	33.62738	269.16087	11.73126	0.1596672	0.23342079	2.6124202	20	6 23.4	16.8
67796 2000 UP_{104}	14.8	X	231.66139	62.55684	251.91830	13.81884	0.1005325	0.22069434	2.7119099	20	2 23.2	19.2
67797 2000 UT_{106}	15.7	X	80.27573	355.70330	116.07545	6.98668	0.0428661	0.27251746	2.3561693	20	3 19.6	18.5
67798 2000 UD_{109}	15.9	X	330.45039	61.70165	147.97895	6.60445	0.0485544	0.27032811	2.3688737	20	2 16.5	18.7
67799 2000 UT_{109}	14.5	X	345.87661	138.56213	193.99489	10.11886	0.0922925	0.18856967	3.0117678	20	8 26.5	18.4
67800 2000 UZ_{109}	15.8	X	70.50735	333.08090	125.35452	6.04778	0.1861749	0.26585882	2.3953483	20	3 6.4	18.1
67801 2000 UC_{110}	15.6	X	149.50830	340.58359	101.58744	8.33754	0.1064387	0.27589595	2.3368948	20	5 16.4	19.0
67802 2000 VB_{4}	15.4	X	60.47034	317.31927	221.89414	5.31800	0.1318862	0.27875764	2.3208738	20	6 6.6	17.9
67803 2000 VX_{7}	15.0	X	235.28149	247.29416	358.83025	1.92479	0.1753270	0.26430690	2.4047156	20	—	—
67804 2000 VE_{11}	15.5	X	296.91243	149.83514	249.15783	1.05099	0.1026834	0.19173911	2.9784861	20	9 8.2	19.1
67805 2000 VF_{15}	16.0	X	292.39099	330.90666	64.68085	4.62679	0.1390414	0.29124935	2.2540285	20	9 11.5	18.0
67806 2000 VZ_{15}	15.1	X	197.03930	262.60477	79.70925	7.49916	0.0395605	0.22000652	2.7175592	20	3 3.5	19.1
67807 2000 VE_{16}	15.4	X	204.43398	120.49025	144.33385	3.33013	0.0916556	0.26051035	2.4280226	20	—	—
67808 2000 VL_{16}	16.8	X	302.36818	181.78927	172.82363	1.94702	0.1908467	0.28847967	2.2684327	20	7 13.1	18.6
67809 2000 VS_{18}	15.1	X	212.68872	268.12321	224.53035	13.02969	0.1097174	0.24023496	2.5627835	20	9 22.5	19.0
67810 2000 VY_{22}	15.1	X	248.92558	255.70577	28.66699	2.18255	0.0373226	0.27026785	2.3692258	20	2 11.3	18.0
67811 2000 VL_{23}	15.0	X	356.70444	88.23761	307.07120	0.97700	0.0784339	0.19960417	2.8997216	20	12 7.5	18.5
67812 2000 VF_{24}	15.6	X	285.78022	91.29940	228.97958	4.57501	0.2277527	0.28281820	2.2986057	20	4 17.4	18.6
67813 2000 VN_{24}	16.5	X	287.60760	321.77142	24.20065	1.21744	0.1957714	0.28557357	2.2837964	20	6 1.8	18.9
67814 2000 VL_{26}	15.6	X	300.78430	77.16333	245.53555	6.09929	0.1486098	0.28387842	2.2928790	20	5 27.6	18.0
67815 2000 VB_{27}	16.4	X	34.70605	270.47900	56.61030	1.59307	0.1774867	0.29849750	2.2173909	20	12 11.3	19.1
67816 2000 VZ_{28}	15.5	X	197.33417	134.74419	197.03628	5.60455	0.1247995	0.26890707	2.3772120	20	2 10.1	19.2
67817 2000 VR_{30}	13.7	X	70.89283	44.54063	128.50964	6.27946	0.0992861	0.17416531	3.1756181	20	6 7.7	18.1
67818 2000 VJ_{32}	15.8	X	97.40975	191.87899	242.75322	1.81212	0.1335306	0.26718966	2.3873877	20	3 3.2	18.5
67819 2000 VP_{32}	15.5	X	34.15107	264.29842	74.05868	4.73774	0.1914382	0.29865361	2.2166181	20	12 27.7	18.2
67820 2000 VS_{32}	15.9	X	62.43105	112.80234	215.58596	5.95469	0.2165315	0.30172827	2.2015339	20	—	—
67821 2000 VT_{32}	15.8	X	187.20135	120.12630	211.14787	4.07323	0.2731193	0.26991831	2.3712708	20	2 5.4	20.0
67822 2000 VN_{33}	15.8	X	118.88838	221.92114	185.59366	1.22196	0.1179345	0.26707044	2.3880981	20	2 22.6	18.7
67823 2000 VU_{33}	15.4	X	157.79739	345.16701	91.48078	3.76781	0.1953333	0.27552455	2.3389944	20	5 20.7	19.2
67824 2000 VB_{39}	15.3	X	272.02284	125.93880	243.79597	4.42849	0.2125580	0.28577774	2.2827085	20	6 11.8	18.0
67825 2000 VF_{43}	15.9	X	6.33280	9.31198	309.76164	1.94186	0.1772134	0.29346288	2.2426798	20	10 15.2	17.9
67826 2000 VN_{44}	15.7	X	284.72228	281.45724	225.27459	5.09781	0.0966478	0.25353150	2.4723774	20	—	—
67827 2000 VK_{46}	15.4	X	294.19884	59.67216	326.96244	5.11393	0.1324430	0.28988821	2.2610787	20	8 28.5	17.6
67828 2000 VX_{46}	15.4	X	189.07555	53.94400	327.97123	4.49910	0.1114571	0.27432937	2.3457831	20	4 4.9	18.9
67829 2000 VP_{49}	15.3	X	257.53741	99.35970	259.38406	1.41995	0.1919977	0.28172233	2.3045627	20	5 12.2	18.3
67830 2000 VF_{50}	16.5	X	246.80503	127.87608	264.41726	4.67492	0.1782622	0.28334226	2.2957705	20	6 17.1	19.7
67831 2000 VV_{50}	15.0	X	314.52200	255.87991	62.23609	11.22867	0.1413331	0.28235859	2.3010994	20	6 15.0	17.2
67832 2000 VZ_{50}	15.9	X	340.84719	2.11512	302.28252	5.09932	0.1797709	0.28846208	2.2685249	20	7 20.2	17.0
67833 2000 VC_{53}	15.5	X	26.57777	295.48831	8.69985	6.79340	0.1738487	0.29398384	2.2400295	20	10 26.2	18.0
67834 2000 VV_{53}	13.3	X	26.65511	332.88764	239.79938	26.31646	0.1019583	0.17694525	3.1422696	20	5 24.9	17.1
67835 2000 VY_{53}	14.7	X	136.98657	288.84338	349.94247	4.86248	0.1668306	0.25455142	2.4657689	20	—	—
67836 2000 VP_{55}	15.8	X	313.67381	353.56957	6.88708	5.75846	0.1635146	0.29008306	2.2600661	20	8 25.3	17.5
67837 2000 VQ_{55}	15.7	X	3.30286	348.17844	353.82236	4.35588	0.1964061	0.29547025	2.2325106	20	11 17.6	17.7
67838 2000 VP_{56}	15.6	X	48.26766	87.86265	269.96887	5.41976	0.1842790	0.30318884	2.1944578	20	—	—
67839 2000 VS_{57}	15.1	X	49.46403	215.59647	266.93731	6.19201	0.1594880	0.26500265	2.4005048	20	2 21.5	17.3
67840 2000 VZ_{60}	15.4	X	242.97337	21.21398	218.85311	9.17568	0.1320934	0.26409884	2.4059784	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
67841 2000 VR_{61}	14.0	X	138.96223	201.96941	292.21847	32.32788	0.1805580	0.22945514	2.6424343	20	7 14.5	18.2
67842 2000 VY_{61}	15.2	X	292.53685	332.57942	346.71227	25.07724	0.2163408	0.28074595	2.3099028	20	4 13.1	18.6
67843 2000 WL	15.2	X	299.66407	162.16455	100.00825	10.05418	0.2323958	0.27735981	2.3286651	20	2 19.7	18.5
67844 2000 WQ_{4}	16.1	X	325.47048	335.59621	314.50648	6.81682	0.1060543	0.28290144	2.2981548	20	5 26.4	18.5
67845 2000 WM_{5}	16.0	X	218.49507	2.48425	337.52909	5.46369	0.1786238	0.27455906	2.3444746	20	3 11.4	19.8
67846 2000 WU_{5}	16.1	X	261.01070	17.84263	328.79609	5.84910	0.1122160	0.28015891	2.3131285	20	5 8.0	19.3
67847 2000 WX_{6}	16.1	X	312.07761	38.46153	333.38186	6.15285	0.1518122	0.28904344	2.2654821	20	9 7.7	18.0
67848 2000 WB_{7}	14.6	X	23.08891	26.27611	294.27415	13.24834	0.1731440	0.24130247	2.5552195	20	10 27.4	18.0
67849 2000 WH_{7}	15.8	X	224.04404	182.26230	120.76379	7.28927	0.2093354	0.27121456	2.3637092	20	1 31.6	19.8
67850 2000 WS_{7}	15.1	X	358.14374	316.16937	120.58299	7.05192	0.0969429	0.25446177	2.4663480	20	—	—
67851 2000 WN_{8}	15.3	X	334.47388	43.18076	334.38541	4.73094	0.1814060	0.29349525	2.2425148	20	11 11.1	16.9
67852 2000 WT_{8}	15.9	X	142.71484	70.77461	349.20474	3.95820	0.0862078	0.27064015	2.3670526	20	4 3.3	19.0
67853 Iwamura	15.8	X	195.03954	206.55392	143.16794	5.47904	0.1737987	0.27091595	2.3654458	20	3 4.7	19.4
67854 2000 WF_{12}	14.8	X	347.24012	17.12791	278.02748	12.29284	0.2446536	0.22855052	2.6494023	20	7 10.9	16.6
67855 2000 WO_{13}	14.2	X	308.15167	334.31392	65.07362	13.91247	0.1569968	0.24651298	2.5190852	20	10 11.9	16.9
67856 2000 WL_{15}	14.4	X	173.09798	69.30938	286.80002	12.90338	0.2852742	0.26752286	2.3854049	20	2 21.3	18.7
67857 2000 WQ_{18}	15.2	X	209.36442	240.21168	74.45331	10.52781	0.0992464	0.21603570	2.7507579	20	2 11.9	19.6
67858 2000 WX_{20}	14.8	X	95.06804	127.65971	109.07616	5.52228	0.0952507	0.23996041	2.5647379	20	10 6.2	18.5
67859 2000 WZ_{21}	14.6	X	157.54164	168.00973	103.82961	6.82435	0.0760610	0.25583466	2.4575166	20	—	—
67860 2000 WP_{22}	15.1	X	348.62469	58.67733	198.87913	13.10633	0.0924551	0.23054362	2.6341104	20	5 23.8	18.2
67861 2000 WT_{22}	15.9	X	106.45838	151.14550	141.66637	6.19484	0.1916954	0.30419872	2.1895983	20	—	—
67862 2000 WU_{22}	15.5	X	169.49202	329.64022	108.83238	6.98316	0.0649954	0.27956473	2.3164049	20	5 31.5	18.6
67863 2000 WZ_{22}	15.7	X	306.41347	43.01969	149.50429	6.95226	0.0467368	0.26409330	2.4060120	20	—	—
67864 2000 WD_{23}	15.6	X	205.92648	230.94798	109.42307	6.86794	0.1282295	0.27258071	2.3558048	20	3 4.5	19.2
67865 2000 WG_{23}	15.8	X	102.05158	225.67633	101.60621	7.28952	0.2354492	0.30823834	2.1704258	20	—	—
67866 2000 WK_{23}	14.8	X	300.45550	354.35233	145.70184	6.85588	0.0830491	0.25399193	2.4693886	20	—	—
67867 2000 WL_{23}	15.6	X	152.34582	221.61476	185.99189	7.84701	0.1068629	0.27248159	2.3563761	20	4 1.2	18.7
67868 2000 WY_{30}	16.0	X	324.34784	215.01064	109.94626	7.13168	0.1404225	0.28657373	2.2784795	20	7 18.8	17.9
67869 2000 WP_{31}	15.7	X	135.15013	294.25659	98.08951	7.35013	0.1014476	0.26782762	2.3835951	20	2 23.4	18.9
67870 2000 WG_{32}	15.6	X	226.24767	212.29421	119.36295	7.81359	0.1325002	0.27315838	2.3524823	20	3 13.8	19.2
67871 2000 WV_{33}	16.0	X	231.96152	142.98186	199.27192	5.46225	0.1999485	0.27606583	2.3359360	20	3 25.4	19.7
67872 2000 WH_{34}	15.7	X	145.32194	213.59375	138.65370	6.65717	0.1494290	0.26421588	2.4052678	20	1 17.6	19.1
67873 2000 WL_{34}	15.6	X	192.39660	199.69121	198.74350	5.13744	0.1625636	0.27643904	2.3338331	20	5 2.5	19.1
67874 2000 WA_{36}	16.0	X	180.19320	199.23413	127.86263	7.42586	0.1430068	0.26491259	2.4010488	20	1 21.5	19.7
67875 2000 WX_{36}	14.6	X	199.80402	212.64835	138.60728	7.07744	0.1591231	0.27097475	2.3651036	20	3 11.6	18.4
67876 2000 WH_{37}	15.3	X	219.79969	188.60485	198.07410	5.93914	0.0999015	0.27730770	2.3289568	20	5 18.3	18.6
67877 2000 WQ_{40}	15.3	X	238.62879	201.05568	152.74535	6.84997	0.1650035	0.27649530	2.3335165	20	4 21.1	18.8
67878 2000 WR_{40}	15.4	X	154.03582	208.54524	148.27156	7.61754	0.1105477	0.26399962	2.4065811	20	1 28.5	18.8
67879 2000 WJ_{43}	16.0	X	236.66529	159.25967	219.09206	5.34463	0.1109265	0.28063612	2.3105055	20	5 25.1	19.1
67880 2000 WJ_{47}	15.9	X	210.11555	138.46348	204.95046	6.32582	0.1303628	0.27239887	2.3568531	20	3 8.0	19.5
67881 2000 WO_{47}	16.3	X	185.51215	175.43421	216.68527	6.35491	0.1124099	0.27450172	2.3448011	20	4 16.1	19.7
67882 2000 WR_{47}	15.8	X	157.50718	180.83827	211.30466	6.01456	0.0943397	0.27029571	2.3690630	20	3 14.6	19.1
67883 2000 WA_{50}	15.6	X	139.73219	176.31471	235.11696	9.53535	0.1469271	0.26863854	2.3787958	20	3 23.5	19.1
67884 2000 WR_{50}	15.7	X	203.68946	134.00267	255.98186	5.18132	0.2350132	0.27504180	2.3417305	20	4 28.6	19.8
67885 2000 WB_{51}	15.9	X	270.73894	8.79543	11.30771	5.47621	0.1667086	0.28597397	2.2816641	20	7 3.5	18.6
67886 2000 WQ_{58}	15.0	X	36.67160	155.23955	252.82967	13.27205	0.0741577	0.25371806	2.4711653	20	—	—
67887 2000 WA_{59}	14.2	X	172.71002	273.71308	268.17410	12.90199	0.1571187	0.18648588	3.0341619	20	10 1.5	19.4
67888 2000 WR_{59}	15.5	X	209.11314	138.57693	224.37084	5.27076	0.1895539	0.27412829	2.3469300	20	3 30.9	19.4
67889 2000 WT_{60}	15.4	X	332.79340	91.63589	246.40936	7.07840	0.2351905	0.28762514	2.2729235	20	8 23.5	16.7
67890 2000 WK_{61}	14.5	X	176.75486	157.20340	268.94035	15.51628	0.1141693	0.22369201	2.6876275	20	5 22.3	18.7
67891 2000 WR_{61}	15.2	X	151.35729	140.84428	270.42165	4.37148	0.2202124	0.26974280	2.3722993	20	4 11.2	19.0
67892 2000 WS_{61}	15.5	X	58.16767	144.20138	305.63222	1.33735	0.1556090	0.25979570	2.4324733	20	1 24.9	17.6
67893 2000 WY_{61}	15.1	X	132.53835	80.67903	3.67886	1.00710	0.1731489	0.26939321	2.3743511	20	5 3.9	18.5
67894 2000 WX_{69}	15.3	X	85.55044	350.38403	289.49538	6.80398	0.1703923	0.29920662	2.2138860	20	12 3.2	18.6
67895 2000 WY_{70}	14.8	X	31.75198	264.99602	306.86672	5.70021	0.0482650	0.27907904	2.3190916	20	5 25.1	17.4
67896 2000 WZ_{73}	15.4	X	210.80472	350.60081	263.11147	6.24605	0.1808140	0.26058114	2.4275829	20	—	—
67897 2000 WK_{75}	15.0	X	220.12821	37.15603	35.62561	8.05049	0.0632845	0.28500088	2.2868548	20	7 28.8	18.1
67898 2000 WV_{87}	13.2	X	352.48681	274.48400	87.66023	15.47440	0.1128496	0.18822876	3.0154032	20	10 26.9	17.1
67899 2000 WB_{88}	14.8	X	246.54026	19.01848	50.62342	3.08003	0.1448049	0.23292266	2.6161434	20	8 10.3	18.4
67900 2000 WG_{90}	16.0	X	309.15438	76.26664	258.96607	6.62394	0.1986232	0.28602458	2.2813949	20	6 23.3	17.8
67901 2000 WP_{90}	16.4	X	258.82362	323.91285	47.17162	4.29396	0.1489677	0.28270763	2.2992050	20	6 5.6	19.4
67902 2000 WY_{92}	15.6	X	244.96511	267.18296	64.38187	6.89869	0.1311583	0.27521947	2.3407226	20	4 2.4	19.0
67903 2000 WV_{94}	13.9	X	117.45977	327.37941	266.79560	8.70459	0.0414863	0.19021213	2.9944053	20	10 9.4	18.4
67904 2000 WJ_{96}	16.1	X	241.16728	99.33124	273.29665	2.81238	0.1467639	0.27959698	2.3162267	20	5 17.7	19.4
67905 2000 WN_{96}	15.8	X	246.84323	286.06346	70.42233	4.39401	0.2193923	0.27942736	2.3171639	20	4 26.6	19.3
67906 2000 WD_{97}	15.5	X	19.95836	11.19743	90.94874	3.14797	0.1484613	0.25784815	2.4447063	20	—	—
67907 2000 WL_{97}	15.7	X	101.34398	49.51248	25.85799	1.40316	0.1654901	0.26658263	2.3910105	20	3 16.2	18.6
67908 2000 WF_{98}	14.7	X	197.86850	75.05652	273.17902	5.74471	0.1301698	0.26910005	2.3760753	20	3 1.2	18.5
67909 2000 WJ_{98}	14.5	X	340.46242	47.02410	275.79190	6.53761	0.1380298	0.28488902	2.2874533	20	8 17.2	16.5
67910 2000 WC_{100}	15.3	X	275.99732	43.87149	279.43462	2.63782	0.1655897	0.27729353	2.3290362	20	4 18.2	18.4
67911 2000 WN_{100}	15.8	X	224.50714	297.10910	73.94932	3.19879	0.2451955	0.27784857	2.3259334	20	4 23.5	19.6
67912 2000 WA_{101}	14.5	X	6.92306	250.53810	84.14524	13.87823	0.1910936	0.23996928	2.5646747	20	11 3.8	17.4
67913 2000 WC_{103}	16.3	X	287.51130	240.04425	160.00752	6.74381	0.1716335	0.28993372	2.2608421	20	8 31.1	18.1
67914 2000 WJ_{104}	15.4	X	159.60483	244.12984	137.75342	5.22144	0.2459528	0.26875069	2.3781340	20	3 17.9	19.3
67915 2000 WG_{105}	16.1	X	135.74238	164.85244	190.28495	0.68638	0.2037797	0.26110967	2.4243059	20	1 18.1	19.5
67916 2000 WU_{105}	14.7	X	296.75766	9.25387	281.80997	4.22917	0.1304397	0.17198389	3.2024144	20	4 12.9	19.1
67917 2000 WU_{109}	15.2	X	83.61409	327.19340	316.89268	4.37409	0.1532219	0.24594725	2.5229467	20	11 25.3	19.1
67918 2000 WW_{109}	15.2	X	256.55581	277.90811	357.44204	4.52483	0.2135366	0.26914233	2.3758265	20	1 26.1	19.0
67919 2000 WW_{111}	16.1	X	48.85082	30.38244	335.97738	3.44635	0.1990341	0.30382680	2.1913849	20	—	—
67920 2000 WB_{113}	14.5	X	184.38707	241.86919	270.83303	12.26555	0.1205818	0.23768022	2.5811150	20	9 13.3	18.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
67921 2000 WG_{113}	14.8	X	125.48468	298.45508	266.09738	11.88422	0.1027035	0.23707888	2.5854777	20	9 19.0	18.9
67922 2000 WN_{113}	15.3	X	355.58058	337.49388	308.38465	6.08165	0.1421558	0.28330620	2.2959654	20	7 22.9	16.9
67923 2000 WR_{113}	15.3	X	272.54918	59.14868	294.22747	5.60482	0.1323572	0.28191890	2.3034914	20	6 1.0	18.1
67924 2000 WJ_{115}	15.8	X	127.14876	161.16825	293.29578	5.18058	0.1390892	0.27266242	2.3553341	20	5 6.5	19.2
67925 2000 WA_{116}	15.2	X	295.84611	320.29466	353.18318	4.87456	0.1797918	0.27921934	2.3183147	20	4 28.4	18.0
67926 2000 WN_{118}	14.9	X	210.59075	295.15979	29.71407	6.68972	0.1522284	0.26687353	2.3892726	20	2 19.3	18.7
67927 2000 WB_{120}	15.4	X	268.51109	34.53764	300.20529	5.06008	0.1626161	0.27680557	2.3317724	20	4 23.9	18.6
67928 2000 WH_{122}	15.0	X	125.85479	26.55035	267.92224	5.71823	0.1203799	0.25159316	2.4850597	20	—	—
67929 2000 WL_{122}	15.5	X	255.77463	15.55536	193.18159	10.44725	0.1087447	0.25692884	2.4505345	20	—	—
67930 2000 WP_{122}	15.7	X	165.36099	110.84373	230.07748	1.70785	0.3006556	0.26722809	2.3871588	20	2 3.3	19.7
67931 2000 WD_{123}	15.6	X	3.02391	57.49666	291.55528	4.91840	0.1980142	0.29279655	2.2460810	20	11 27.9	17.7
67932 2000 WX_{125}	13.5	X	49.94742	286.75121	259.86277	15.67309	0.1372702	0.17535544	3.1612334	20	5 31.3	17.4
67933 2000 WR_{127}	15.0	X	190.83953	45.15844	251.67207	6.74977	0.1969719	0.26239333	2.4163927	20	—	—
67934 2000 WY_{133}	14.3	X	92.58863	254.00929	282.03051	10.97353	0.1260718	0.23024233	2.6364079	20	7 14.0	17.9
67935 2000 WU_{134}	15.3	X	292.25894	280.07428	330.02956	6.24155	0.0734057	0.27043361	2.3682576	20	2 15.2	18.2
67936 2000 WP_{135}	15.4	X	347.27873	335.49951	29.89987	7.04699	0.1242403	0.29101582	2.2552342	20	11 11.2	17.4
67937 2000 WT_{137}	15.9	X	171.62723	22.56772	28.03248	3.07755	0.1945741	0.27266753	2.3553047	20	4 28.7	19.7
67938 2000 WV_{137}	15.5	X	114.31766	57.11051	6.69799	2.38125	0.1846417	0.26566405	2.3965189	20	3 19.7	18.7
67939 2000 WO_{142}	15.1	X	162.54350	130.94589	140.12907	5.83702	0.1529157	0.25599453	2.4564934	20	—	—
67940 2000 WT_{143}	15.4	X	180.51798	55.12189	326.74583	3.84680	0.2389454	0.27002902	2.3706226	20	3 31.1	19.6
67941 2000 WX_{143}	15.6	X	250.36810	49.96453	332.18979	3.35049	0.2191902	0.27958445	2.3162959	20	6 1.6	18.9
67942 2000 WX_{144}	16.0	X	250.50290	282.92804	114.83349	7.54474	0.1938275	0.28177795	2.3042594	20	6 27.2	19.2
67943 2000 WP_{151}	16.3	X	132.12003	314.17020	41.58720	4.82434	0.2787944	0.31442198	2.1418750	20	1 18.0	19.1
67944 2000 WB_{152}	14.9	X	177.61753	208.84442	188.90381	13.04232	0.1819312	0.27504477	2.3417137	20	4 18.9	18.7
67945 2000 WW_{152}	15.6	X	311.27020	29.18588	323.56860	5.03852	0.2144069	0.29043963	2.2582159	20	7 27.5	17.2
67946 2000 WH_{153}	16.0	X	185.50247	271.79716	95.17588	1.52345	0.1946354	0.27021208	2.3695518	20	3 18.1	19.8
67947 2000 WR_{153}	15.2	X	237.84133	129.60665	341.47316	12.71221	0.1037692	0.23534291	2.5981764	20	9 25.0	18.9
67948 2000 WV_{156}	15.6	X	195.50653	269.37180	358.22060	6.46759	0.0868339	0.25804080	2.4434894	20	—	—
67949 2000 WY_{159}	16.6	X	311.85213	244.54446	124.54879	3.28492	0.1764696	0.29094443	2.2556031	20	9 2.6	18.0
67950 2000 WX_{160}	16.3	X	346.15018	185.66242	152.88812	6.06272	0.1271855	0.29142619	2.2531166	20	10 1.4	18.1
67951 2000 WB_{161}	15.9	X	350.64643	186.14587	151.34141	6.64528	0.1363437	0.29172052	2.2516008	20	10 10.6	17.8
67952 2000 WH_{166}	15.6	X	170.49290	146.97748	209.09962	5.05303	0.1176173	0.21894841	2.7263076	20	2 18.4	19.9
67953 2000 WN_{166}	16.3	X	23.15599	122.64459	186.65186	3.17297	0.2367054	0.29477179	2.2360359	20	11 10.8	18.6
67954 2000 WW_{166}	15.4	X	311.24805	180.53030	91.52432	5.81697	0.1179896	0.27729339	2.3290369	20	4 7.7	18.1
67955 2000 WT_{167}	15.8	X	264.99865	79.19878	180.45006	6.64563	0.1190262	0.26818931	2.3814515	20	1 19.6	19.4
67956 2000 WW_{167}	14.9	X	164.12756	256.45832	92.48570	10.56065	0.1174125	0.21727762	2.7402660	20	2 7.8	19.2
67957 2000 WX_{168}	15.2	X	102.32580	210.59160	238.70119	1.45582	0.1777975	0.26501019	2.4004593	20	4 6.5	18.3
67958 2000 WK_{170}	15.8	X	346.78543	8.04046	306.13727	6.65526	0.1498833	0.29023882	2.2592574	20	8 20.0	17.4
67959 2000 WB_{171}	14.3	X	159.95651	141.81257	299.49449	11.81624	0.1531189	0.22353459	2.6888891	20	5 25.2	18.8
67960 2000 WB_{173}	15.7	X	88.86641	53.92590	16.87472	0.98736	0.1703975	0.26228787	2.4170404	20	2 22.4	18.2
67961 2000 WO_{173}	14.4	X	131.78547	193.97736	251.94115	17.78993	0.0822812	0.21627882	2.7486961	20	4 25.0	18.6
67962 2000 WG_{175}	14.5	X	123.98589	328.91758	150.37314	13.56412	0.1124928	0.22510653	2.6763566	20	6 6.8	18.7
67963 2000 WX_{176}	16.3	X	16.74284	111.63642	196.53277	3.59414	0.1680350	0.29216569	2.2493131	20	10 16.8	18.5
67964 2000 WJ_{178}	14.8	X	142.36430	339.88058	268.14026	12.79946	0.1297444	0.24348807	2.5399057	20	12 6.6	18.9
67965 2000 WX_{181}	14.0	X	204.82093	301.17274	144.44173	14.41043	0.1229738	0.18251435	3.0780195	20	7 13.5	18.9
67966 2000 WZ_{183}	16.3	X	48.35049	338.57121	325.89093	5.22982	0.1776085	0.29670047	2.2263352	20	11 25.8	19.4
67967 2000 WB_{188}	16.1	X	36.16169	47.51742	268.92819	6.49587	0.1066429	0.29755307	2.2220804	20	11 16.8	18.8
67968 2000 WN_{190}	15.2	X	293.63444	7.99883	304.53776	0.51149	0.1270642	0.23038547	2.6353157	20	5 6.3	18.5
67969 2000 WO_{191}	15.0	X	59.55199	23.09230	153.74938	7.22107	0.0464679	0.27764736	2.3270570	20	5 20.4	17.8
67970 2000 WW_{195}	16.1	X	168.35396	269.62132	153.56381	6.58707	0.0958864	0.27601957	2.3361970	20	5 11.1	19.5
67971 2000 XP_{1}	15.6	X	113.39221	285.64180	85.23294	2.26047	0.1968333	0.26056076	2.4277095	20	1 11.5	18.7
67972 2000 XC_{4}	16.0	X	53.63743	337.26002	347.69735	7.73263	0.2099072	0.30040691	2.2079849	20	—	—
67973 2000 XV_{5}	15.9	X	160.51940	77.80513	346.15523	6.83469	0.1037547	0.27477937	2.3432213	20	4 28.7	19.4
67974 2000 XP_{6}	15.0	X	260.42139	19.22898	338.63366	6.44070	0.2739933	0.28284103	2.2984820	20	5 2.2	18.5
67975 2000 XW_{6}	14.8	X	242.38734	33.45979	353.17418	5.77749	0.1565200	0.28170485	2.3046581	20	6 5.8	18.1
67976 2000 XA_{7}	13.9	X	349.37168	45.63816	277.91173	12.65939	0.2129628	0.24046344	2.5611598	20	8 28.8	16.4
67977 2000 XZ_{7}	14.4	X	244.07242	34.52144	307.53279	8.98384	0.2447693	0.27752959	2.3277153	20	3 28.7	18.4
67978 2000 XE_{10}	15.0	X	128.95721	51.89573	315.78604	11.26037	0.2306960	0.26205428	2.4184766	20	1 30.6	18.5
67979 Michelory	14.1	X	148.48317	46.96220	90.20415	12.96115	0.0205548	0.17849959	3.1240015	20	7 18.0	18.6
67980 2000 XU_{10}	14.6	X	309.35754	352.64106	306.01438	6.74153	0.1239092	0.27847054	2.3224687	20	5 6.8	17.3
67981 2000 XM_{12}	15.3	X	268.84673	265.68192	43.39259	5.97267	0.1996020	0.27532002	2.3401527	20	3 21.6	18.8
67982 2000 XH_{16}	15.0	X	156.95265	5.43347	294.05003	12.19050	0.1664401	0.26040204	2.4286958	20	—	—
67983 2000 XY_{16}	16.1	X	303.74293	64.72827	300.77396	7.12848	0.1610362	0.28768033	2.2726328	20	8 7.7	18.1
67984 2000 XC_{17}	15.3	X	148.44277	36.40937	321.64002	6.12335	0.1337713	0.26429057	2.4048146	20	1 27.7	18.6
67985 2000 XD_{17}	14.9	X	131.00348	121.44840	297.63788	7.95668	0.1665729	0.26929745	2.3749140	20	3 25.2	18.4
67986 2000 XJ_{17}	15.4	X	341.66040	38.27909	340.62440	5.03005	0.1694547	0.29399333	2.2399813	20	11 28.4	17.2
67987 2000 XX_{18}	15.3	X	237.58621	328.88112	325.84400	9.18691	0.2906952	0.27211595	2.3584864	20	1 30.6	19.6
67988 2000 XM_{19}	15.2	X	152.57047	1.69013	324.60907	7.34387	0.1009375	0.26176389	2.4202648	20	—	—
67989 2000 XV_{20}	13.8	X	13.97030	279.35913	274.71280	16.22599	0.1715130	0.21954575	2.7213602	20	3 27.6	17.0
67990 2000 XA_{21}	16.2	X	336.34836	32.69769	298.86879	9.76373	0.2205973	0.28962723	2.2624368	20	8 23.3	17.5
67991 2000 XE_{21}	15.7	X	131.73270	90.58206	350.56913	6.31118	0.0868492	0.27258064	2.3558052	20	4 17.3	18.9
67992 2000 XU_{22}	14.3	X	240.37193	160.33556	280.94633	14.05296	0.0589351	0.23700862	2.5859887	20	8 22.7	18.1
67993 2000 XD_{24}	15.3	X	220.89022	52.29351	301.72820	8.57798	0.0487562	0.27323373	2.3520498	20	4 2.6	18.6
67994 2000 XX_{24}	14.1	X	51.62249	233.97890	327.74934	10.64031	0.1275613	0.22461833	2.6802332	20	6 24.0	17.5
67995 2000 XU_{25}	15.5	X	172.37181	34.44090	337.82069	5.81405	0.1292127	0.26928032	2.3750147	20	3 8.5	19.0
67996 2000 XX_{28}	15.0	X	356.96170	292.81841	21.91436	7.51177	0.1774198	0.28583837	2.2823857	20	9 20.4	16.7
67997 2000 XA_{29}	13.6	X	127.72977	235.71325	305.55318	12.54607	0.2057424	0.17988392	3.1079533	20	8 26.2	18.9
67998 2000 XQ_{31}	15.8	X	213.48308	347.28749	25.66820	7.48832	0.1257083	0.27544214	2.3394609	20	4 20.0	19.3
67999 2000 XC_{32}	15.1	X	27.92038	243.95784	303.42474	12.51791	0.0791022	0.21921835	2.7240690	20	4 12.0	18.7
68000 2000 XM_{32}	15.8	X	214.37590	3.41119	7.15592	5.76509	0.1975470	0.27535569	2.3399505	20	4 14.3	19.5