Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
20001 1991 CM	12.5	X	97.54670	118.82799	127.25077	17.02345	0.1239867	0.17951639	3.1121939	21	10 12.4	17.4
20002 Tillysmith	13.5	X	357.55115	26.23311	280.37489	20.23985	0.1443690	0.17287753	3.1913690	21	7 27.9	17.4
20003 1991 EX_2	14.7	X	31.43147	108.87140	345.49240	8.03991	0.0052288	0.28923747	2.2644688	21	—	—
20004 Audrey–Lucienne	14.3	X	84.42257	45.55224	23.34915	9.83251	0.0958428	0.28963594	2.2623914	21	1 11.3	16.8
20005 1991 GL_7	15.0	X	338.61032	169.22780	251.47189	3.94781	0.0430760	0.27882080	2.3205233	21	12 20.5	17.6
20006 Albertus Magnus	13.9	X	235.33759	8.23568	143.51875	2.48218	0.2067566	0.18244021	3.0788534	21	10 19.9	18.7
20007 Marybrown	14.3	X	34.07672	189.18208	115.98185	14.94762	0.2321861	0.26826349	2.3810125	21	11 6.9	17.4
20008 1991 NG_3	13.6	X	73.67194	75.57030	267.46026	11.45961	0.1964271	0.23992412	2.5649965	21	—	—
20009 1991 OY	14.2	X	107.63522	180.51002	150.16945	8.63622	0.2087616	0.24122411	2.5557728	21	—	—
20010 1991 PN_2	15.1	X	266.57403	200.05679	99.50700	4.14642	0.1756577	0.25440785	2.4666965	21	3 1.9	18.8
20011 1991 PD_{13}	15.3	X	51.39509	346.43282	344.08979	2.79555	0.2231151	0.23587215	2.5942885	21	12 17.7	19.0
20012 Ranke	14.7	X	8.10484	139.65957	232.97394	2.60333	0.1131492	0.23270680	2.6177610	21	11 26.4	17.6
20013 1991 RT_{26}	13.3	X	26.08639	161.07512	194.31671	13.19172	0.1675461	0.23274838	2.6174492	21	12 9.3	16.7
20014 1991 RM_{29}	13.7	X	359.45195	168.10590	266.32502	12.28004	0.2404496	0.23514053	2.5996670	21	—	—
20015 1991 SR	14.0	X	334.61283	266.79038	134.48172	15.26561	0.1066622	0.23339474	2.6126145	21	11 15.0	17.3
20016 Rietschel	14.6	X	332.85645	73.90408	333.60662	8.00650	0.1163730	0.22946142	2.6423860	21	11 10.6	17.7
20017 Alixcatherine	14.4	X	55.14758	48.04668	25.46941	5.49698	0.1186702	0.24209174	2.5496627	21	—	—
20018 1991 UJ_2	14.0	X	255.61168	265.67395	31.23847	5.32827	0.1570300	0.28143585	2.3061264	21	2 14.5	17.6
20019 Yukiotanaka	14.8	X	304.59156	208.68503	153.57121	2.19806	0.3392802	0.22589136	2.6701540	21	6 14.2	18.1
20020 1991 VT	13.1	X	52.54723	300.81197	66.35360	15.56898	0.1906013	0.23496322	2.6009747	21	—	—
20021 1991 VM_6	13.3	X	236.83048	102.59241	89.37083	15.71039	0.0693603	0.23322560	2.6138775	21	—	—
20022 1991 VO_7	15.7	X	267.06937	352.71083	131.35939	2.06979	0.1057950	0.23074515	2.6325765	21	11 13.0	18.8
20023 1992 AR	14.1	X	321.08262	17.56091	93.69960	10.67914	0.1849436	0.23101316	2.6305400	21	—	—
20024 Mayrémartínez	12.9	X	322.01630	307.06374	146.27349	13.90170	0.1380936	0.22894948	2.6463236	21	12 28.8	15.9
20025 1992 DU_7	13.8	X	144.40398	267.98499	42.15482	2.42501	0.0907953	0.19442153	2.9510267	21	—	—
20026 1992 EP_{11}	14.5	X	83.01639	323.68247	142.02962	2.73054	0.0382493	0.20446515	2.8535786	21	3 9.8	18.2
20027 1992 EY_{14}	14.1	X	273.98539	194.19351	170.95838	7.86106	0.1857311	0.18002926	3.1062803	21	6 4.5	18.8
20028 1992 EZ_{21}	14.2	X	227.10855	213.20358	130.70290	11.33709	0.0559334	0.20629993	2.8366341	21	4 2.3	18.5
20029 1992 EB_{24}	14.9	X	20.15977	247.49027	190.16566	1.72887	0.0754679	0.19675611	2.9276370	21	—	—
20030 1992 EN_{30}	14.8	X	291.83904	141.74217	168.04720	6.53320	0.1467288	0.27525337	2.3405304	21	4 13.8	17.8
20031 1992 OO	13.6	X	29.04317	195.26568	122.66156	25.75456	0.1796174	0.27509889	2.3414065	21	11 14.5	17.0
20032 1992 PU	14.6	X	337.94976	129.41409	219.25062	2.64890	0.1098925	0.27289898	2.3539728	21	9 3.4	16.7
20033 1992 PR_1	14.8	X	237.00041	199.95390	141.92137	11.17285	0.1740267	0.26271986	2.4143901	21	3 27.6	18.7
20034 1992 PK_2	13.4	X	163.86746	4.42843	235.67561	5.89146	0.1538724	0.18036743	3.1023965	21	11 30.5	18.5
20035 1992 SA_4	14.7	X	243.70304	356.69243	154.11449	6.64717	0.0727376	0.27800762	2.3250462	21	12 1.1	17.6
20036 1992 UW_1	14.1	X	307.21139	221.60205	81.37559	4.13670	0.1871914	0.26336251	2.4104608	21	4 20.2	16.9
20037 Duke	15.2	X	90.45561	95.38280	228.63595	22.54374	0.1205929	0.38120033	1.8837960	21	—	—
20038 Arasaki	11.7	X	203.28838	6.92248	56.19479	19.55743	0.2403834	0.12389415	3.9850659	21	6 4.4	18.4
20039 1992 WJ	14.6	X	166.97386	86.49829	26.05840	2.56057	0.1520433	0.26111085	2.4242986	21	7 5.2	18.3
20040 1992 WT_3	15.2	X	165.47491	336.38589	93.85173	7.49956	0.2250287	0.25782980	2.4448224	21	5 14.4	19.4
20041 1992 YH	13.3	X	333.69395	339.75900	69.87557	13.80375	0.1903714	0.23637556	2.5906038	21	11 23.4	15.4
20042 1993 CK_1	14.0	X	275.82198	156.49167	29.05139	8.54155	0.1230178	0.23735722	2.5834561	21	—	—
20043 Ellenmacarthur	15.7	X	91.33765	286.31457	264.45800	18.26513	0.0574226	0.35663665	1.9693311	21	7 10.8	17.8
20044 Vitoux	13.4	X	353.55848	331.83168	158.33927	12.86708	0.1026379	0.23890931	2.5722549	21	—	—
20045 1993 FV_{11}	14.1	X	24.75100	336.02970	100.58423	3.66889	0.1722492	0.23769570	2.5810030	21	—	—
20046 1993 FE_{15}	13.9	X	3.94727	340.68953	156.69191	10.19637	0.1636060	0.24067835	2.5596350	21	—	—
20047 1993 FD_{18}	14.0	X	272.89276	311.98686	47.01095	10.70750	0.2750153	0.21682879	2.7440462	21	5 12.3	18.3
20048 1993 FF_{19}	13.7	X	211.73719	304.76619	147.54347	9.42974	0.0932512	0.22098937	2.7094956	21	7 25.1	17.7
20049 1993 FZ_{20}	15.4	X	232.91822	288.01333	179.86372	2.01325	0.1637087	0.22483179	2.6785365	21	8 31.3	19.5
20050 1993 FO_{21}	14.7	X	250.64128	30.42782	5.75193	4.92184	0.0577056	0.21860387	2.7291715	21	7 2.6	18.6
20051 1993 FE_{26}	15.0	X	184.74156	261.55426	204.22541	7.71951	0.1634959	0.22076409	2.7113386	21	7 11.5	19.6
20052 1993 FS_{27}	13.9	X	268.03992	156.18338	211.21603	6.03703	0.0793804	0.21788357	2.7351830	21	6 12.9	17.7
20053 1993 FK_{29}	14.7	X	344.81817	200.01952	200.48367	14.24222	0.1173887	0.22931910	2.6434792	21	11 26.6	17.8
20054 1993 FX_{37}	13.9	X	41.18081	271.09760	42.97244	2.82960	0.0828340	0.22414927	2.6839711	21	10 22.6	17.4
20055 1993 FB_{47}	15.2	X	252.60043	30.51009	16.93925	2.32954	0.0877275	0.22095881	2.7097455	21	7 16.1	18.9
20056 1993 FU_{64}	14.9	X	311.14540	106.32456	260.20098	4.07023	0.1017347	0.22177120	2.7031239	21	8 8.3	18.1
20057 1993 GC	13.1	X	123.43304	21.83515	200.03480	12.28741	0.1081590	0.22312063	2.6922139	21	10 5.2	17.1
20058 1993 OM_8	13.8	X	54.90912	132.12158	202.79049	1.90694	0.1266215	0.18470134	3.0536740	21	12 5.0	18.0
20059 1993 OY_9	13.3	X	23.43669	130.22176	299.55442	9.25667	0.0895793	0.19089769	2.9872319	21	—	—
20060 Johannforster	13.0	X	44.95554	45.79351	317.21899	9.72027	0.1154998	0.18329704	3.0692511	21	12 25.5	17.3
20061 1993 QS_1	15.2	X	295.17878	316.72487	322.87566	1.80377	0.1997736	0.30806079	2.1712597	21	2 22.2	18.2
20062 1993 QB_3	14.5	X	90.85981	250.69593	146.43838	20.12910	0.2991443	0.29581385	2.2307816	21	1 2.5	16.4
20063 1993 RC_4	13.2	X	95.44286	245.62998	313.42099	3.98061	0.0726840	0.17017489	3.2250694	21	7 30.2	17.8
20064 1993 RV_4	15.5	X	102.84258	187.75630	261.40134	0.92984	0.0543908	0.30190704	2.2006647	21	2 27.6	17.7
20065 1993 RK_5	15.8	X	67.69418	299.42783	214.93345	2.15007	0.0070257	0.30540343	2.1838364	21	4 4.0	18.3
20066 1993 TM_4	13.9	X	53.45908	6.40068	228.30912	12.33730	0.0142929	0.16754920	3.2586757	21	7 10.8	18.7
20067 1993 TN_{24}	13.6	X	86.84337	95.47912	121.65491	1.79526	0.1141253	0.17017644	3.2250498	21	8 17.4	18.1
20068 1993 TE_{34}	15.1	X	222.29157	177.84588	150.99182	3.99122	0.1645536	0.30225510	2.1989750	21	2 18.2	18.3
20069 1993 TD_{37}	13.8	X	323.75330	214.35473	162.67230	8.30320	0.0273298	0.17273877	3.1930778	21	9 15.4	18.0
20070 Koichiyuko	14.2	X	99.04545	228.82281	100.71493	7.15571	0.2172378	0.28769213	2.2725706	21	—	—
20071 1994 AG	15.3	X	29.68800	247.07034	192.63653	1.48935	0.1528194	0.28797465	2.2710841	21	—	—
20072 1994 AG_1	15.2	X	163.66418	16.39141	159.26097	5.12840	0.1664613	0.27135669	2.3628838	21	9 23.4	18.8
20073 Yumiko	14.9	X	224.58803	271.53383	305.40779	6.59161	0.0649300	0.28257078	2.2999473	21	—	—
20074 Laskerschueler	14.9	X	221.27819	157.13664	79.34979	7.78200	0.0661903	0.28420426	2.2911261	21	—	—
20075 1994 BX	14.9	X	193.80195	124.00412	75.04135	7.54795	0.0982942	0.27651727	2.3333929	21	11 27.2	18.0
20076 1994 BH_1	14.6	X	172.47000	187.41408	342.55460	7.82803	0.0531271	0.27127683	2.3633475	21	9 25.0	17.7
20077 1994 CX_9	14.9	X	350.89730	298.55813	118.75359	4.20146	0.1039400	0.27871088	2.3211334	21	—	—
20078 1994 CO_{16}	15.0	X	262.23541	319.55011	129.28307	6.79294	0.0833226	0.27208071	2.3586901	21	10 1.2	17.9
20079 1994 EP	14.5	X	65.29221	122.59934	64.53124	4.92441	0.0939659	0.25995520	2.4314782	21	6 4.8	17.3
20080 Maeharatorakichi	14.4	X	232.15207	133.74446	31.24931	10.14358	0.1449127	0.27549101	2.3391843	21	11 19.6	17.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
20081 Occhialini	14.2	X	79.03567	6.37894	135.62196	7.64076	0.0883711	0.25649549	2.4532938	21	4 24.9	17.2
20082 1994 EG_7	15.1	X	160.42319	336.45712	120.44436	7.02475	0.0978091	0.26269164	2.4145630	21	6 5.8	18.6
20083 1994 GE	14.8	X	104.34021	117.91319	69.09852	7.11056	0.0671416	0.26227433	2.4171236	21	7 29.1	18.0
20084 Buckmaster	13.6	X	235.97210	123.97969	125.59839	21.96830	0.1214094	0.28244668	2.3006209	21	—	—
20085 1994 LC	14.1	X	270.75721	110.73047	128.26669	9.88320	0.1797742	0.24478861	2.5309015	21	—	—
20086 1994 LW	16.7	X	267.80066	57.95542	237.17727	21.77112	0.6232196	0.17348743	3.1838851	21	1 27.3	23.5
20087 1994 PC_7	13.7	X	58.65595	44.25521	146.47788	9.79360	0.0852492	0.21233051	2.7826662	21	6 2.9	17.4
20088 1994 PQ_{10}	13.8	X	99.90119	310.48865	138.18655	3.21636	0.0108302	0.20521074	2.8466626	21	3 6.2	17.8
20089 1994 PA_{14}	14.9	X	163.91770	174.77682	201.13069	1.52854	0.0791579	0.20355457	2.8620824	21	2 27.9	19.1
20090 1994 PN_{16}	14.1	X	80.94322	293.49034	332.77938	12.10174	0.1535776	0.22285559	2.6943480	21	10 14.9	18.2
20091 1994 PK_{20}	13.8	X	64.47318	332.05175	169.27300	2.05886	0.0293704	0.20642518	2.8354866	21	3 29.0	17.4
20092 1994 PL_{22}	14.0	X	57.83420	265.12957	162.20699	2.40351	0.0913725	0.19697717	2.9254462	21	—	—
20093 1994 PN_{22}	13.8	X	70.15092	56.11244	358.29231	1.64159	0.0922819	0.19697350	2.9254825	21	—	—
20094 1994 PS_{26}	14.4	X	106.92606	300.20687	138.75511	11.41141	0.1361190	0.20377715	2.8599980	21	3 23.9	18.4
20095 1994 PG_{35}	14.6	X	122.06364	154.03206	252.56744	0.99219	0.0680983	0.20299065	2.8673807	21	2 16.7	18.5
20096 Shiraishiakihiko	13.0	X	277.56691	287.65060	175.49007	10.04818	0.0589485	0.18399352	3.0615007	21	10 31.8	17.2
20097 1994 UL_2	12.3	X	302.18457	302.16406	54.15438	17.10169	0.1261600	0.17453957	3.1710769	21	7 8.6	16.7
20098 Shibatagenji	12.7	X	326.00551	248.69994	89.25151	10.27646	0.1724007	0.21292165	2.7775134	21	7 17.1	15.6
20099 1994 WB_3	14.1	X	311.83634	305.01715	110.43660	2.38564	0.1781348	0.17875995	3.1209674	21	10 4.9	17.6
20100 1994 XM	14.1	X	293.05465	21.02846	41.32495	1.22597	0.1651469	0.17679018	3.1441068	21	9 14.1	17.9
20101 1994 XM_2	12.8	X	8.92671	242.04619	84.21294	8.47765	0.0434947	0.17684334	3.1434767	21	9 16.8	17.1
20102 Takasago	12.7	X	152.25041	164.64120	127.11393	18.73381	0.1882080	0.17950151	3.1123659	21	—	—
20103 de Vico	13.9	X	345.22810	176.12327	131.05967	7.14373	0.1077725	0.26938542	2.3743969	21	7 14.1	16.3
20104 1995 OU	15.1	X	142.79179	290.89343	0.01191	5.59027	0.2253800	0.24239917	2.5475064	21	—	—
20105 1995 OS_1	14.6	X	148.62550	67.85805	338.43344	2.81960	0.0744147	0.25319690	2.4745551	21	3 13.6	18.0
20106 Morton	15.0	X	319.83885	104.71340	322.99908	13.36824	0.1581770	0.22911313	2.6450633	21	11 11.9	18.1
20107 Nanyotenmondai	14.5	X	297.61978	19.43397	243.03662	4.98415	0.1331432	0.25359543	2.4719619	21	2 17.4	17.9
20108 1995 QZ_9	7.7	X	66.19525	143.29127	187.91423	19.53005	0.1493538	0.00396419	39.5396735	21	11 18.9	23.5
20109 Alicelandis	15.5	X	108.54406	215.55660	103.51053	9.27325	0.2370516	0.23771212	2.5808841	21	—	—
20110 1995 SS_2	13.0	X	286.43627	58.87326	0.61999	12.73054	0.1691549	0.22624033	2.6674075	21	9 6.8	16.2
20111 1995 SO_5	13.7	X	168.03065	256.73003	54.51463	14.05159	0.2022156	0.24471096	2.5314368	21	—	—
20112 1995 SD_{31}	14.3	X	209.28426	309.54487	159.73385	9.95031	0.1089606	0.22490516	2.6779539	21	8 12.2	18.4
20113 1995 SL_{35}	14.7	X	319.70478	66.79158	17.92130	22.25057	0.0510552	0.23189165	2.6238921	21	12 8.5	18.4
20114 1995 UQ_{44}	13.8	X	128.04574	303.26707	16.97216	12.94836	0.1710846	0.23824246	2.5770525	21	—	—
20115 Niheihajime	13.4	X	313.18967	13.36817	35.82620	12.80856	0.2252717	0.22552978	2.6730071	21	10 4.5	15.9
20116 1995 VE_1	15.0	X	343.29740	269.39420	104.58200	3.01869	0.0982187	0.22498521	2.6773187	21	10 16.8	17.9
20117 Tannoakira	13.3	X	58.35419	330.15102	69.67094	14.81978	0.1678219	0.23564611	2.5959472	21	—	—
20118 1995 WX	14.6	X	193.21736	344.98634	107.72171	2.67498	0.0865964	0.21591144	2.7518132	21	7 6.2	18.5
20119 1995 WC_2	14.2	X	228.24006	321.26827	73.01669	10.28463	0.1711384	0.21439925	2.7647373	21	5 24.8	18.7
20120 Ryugatake	14.2	X	59.69265	95.93407	253.60212	12.79535	0.1543267	0.23088747	2.6314945	21	—	—
20121 1995 WT_7	13.4	X	230.52865	95.19563	75.07764	12.68290	0.1454748	0.22572921	2.6714325	21	11 19.9	17.3
20122 1995 WH_{17}	14.4	X	274.97345	304.81369	70.69415	11.02621	0.2790943	0.21946059	2.7220641	21	6 4.1	18.6
20123 1995 WD_{32}	14.4	X	345.09731	355.89834	134.42628	3.52364	0.1103386	0.19193612	2.9764476	21	—	—
20124 1995 WJ_{36}	13.7	X	178.22189	201.45152	73.91410	14.47178	0.1429022	0.23612687	2.5924225	21	—	—
20125 1995 YK	13.7	X	36.30719	298.40392	101.01353	10.98077	0.1740061	0.19175924	2.9782776	21	—	—
20126 1995 YM_9	14.7	X	41.64989	204.78457	197.69852	1.50728	0.1054011	0.19087120	2.9875083	21	—	—
20127 1995 YV_{22}	14.7	X	214.78071	350.57522	149.61325	1.62003	0.1175211	0.17989357	3.1078422	21	9 23.7	19.3
20128 1996 AK	13.4	X	104.72709	236.49889	60.48896	14.47307	0.1582265	0.18655716	3.0333890	21	12 14.3	18.2
20129 1996 BE_1	14.0	X	127.90112	7.20513	80.27648	4.96185	0.1337561	0.20514148	2.8473033	21	4 25.7	18.3
20130 1996 BO_1	13.3	X	75.43029	2.08251	309.69567	8.52509	0.0807691	0.18354494	3.0664868	21	11 22.8	17.8
20131 1996 BP_3	13.4	X	12.17048	89.16599	348.95956	9.63760	0.0946313	0.18933383	3.0036586	21	—	—
20132 1996 BK_{13}	14.6	X	204.15256	312.37213	78.64131	10.66626	0.2485517	0.21323168	2.7748205	21	4 30.6	19.6
20133 1996 CO_2	13.1	X	185.77455	159.15426	127.78165	10.86033	0.0650043	0.19015275	2.9950286	21	—	—
20134 1996 GT_2	13.1	X	218.76324	58.23019	129.25539	17.73028	0.1731050	0.17981158	3.1087868	21	11 22.4	18.3
20135 Juels	14.2	X	245.16991	138.95774	35.11105	0.89269	0.1485280	0.18246999	3.0785183	21	12 1.9	18.7
20136 Eisenhart	15.0	X	119.66103	158.68445	103.77099	24.25854	0.0645855	0.36749455	1.9303473	21	12 16.8	17.4
20137 1996 PX_8	15.3	X	16.91906	253.62447	150.56197	5.86847	0.3027467	0.28432960	2.2904527	21	—	—
20138 1996 QP	15.3	X	130.13369	157.44456	161.90150	7.05522	0.1409091	0.29098223	2.2554078	21	—	—
20139 Marianeschi	14.5	X	319.69097	82.92444	326.56655	22.49104	0.2586430	0.27947065	2.3169247	21	10 9.1	16.6
20140 Costitx	13.4	X	178.88841	131.78493	161.81656	8.78743	0.1249325	0.17419885	3.1752105	21	—	—
20141 Markidger	14.8	X	81.28324	42.38342	342.30415	7.12218	0.1791358	0.29027119	2.2590895	21	—	—
20142 1996 RC_{12}	15.7	X	320.76549	352.26049	141.46379	4.93564	0.0723215	0.28947919	2.2632081	21	—	—
20143 1996 RQ_{16}	14.6	X	11.35610	170.67635	175.98175	6.66971	0.2046381	0.27887417	2.3202273	21	11 21.5	16.9
20144 1996 RA_{33}	11.4	X	200.98344	155.97237	29.47728	9.35176	0.0107736	0.08336352	5.1898168	21	10 28.5	18.3
20145 1996 SS_4	15.0	X	116.18646	11.08031	201.96331	3.74919	0.0610999	0.27286832	2.3541491	21	9 15.9	18.0
20146 1996 SM_7	15.2	X	232.69111	356.37893	286.15881	4.22688	0.1799021	0.29761794	2.2217574	21	1 1.5	18.7
20147 1996 SV_7	14.8	X	254.69482	78.00738	289.97638	5.31007	0.1486047	0.26680930	2.3896561	21	5 15.6	18.4
20148 1996 TR	15.2	X	300.22148	205.98610	174.99911	7.01948	0.1290290	0.27222488	2.3578572	21	8 10.1	17.8
20149 1996 TX_3	14.3	X	77.94733	242.30394	35.54594	6.06973	0.1000295	0.27772044	2.3266488	21	11 1.5	17.4
20150 1996 TJ_6	14.6	X	26.77204	32.96306	243.88766	8.57541	0.1950344	0.26919215	2.3755333	21	8 24.7	16.9
20151 Utsunomiya	15.8	X	345.23820	98.01426	273.71580	11.63641	0.2275595	0.27756370	2.3275245	21	10 31.9	17.7
20152 1996 TQ_7	15.5	X	244.30343	85.76009	99.90281	5.55854	0.0660336	0.28404671	2.2919732	21	—	—
20153 1996 TC_8	15.3	X	195.65336	33.59186	204.86335	2.09000	0.1423648	0.28644330	2.2791712	21	—	—
20154 1996 TO_{10}	13.9	X	134.46813	305.96851	88.71099	6.11616	0.1771615	0.29537096	2.2330110	21	2 19.1	16.7
20155 Utewindolf	16.1	X	346.90361	307.21611	9.40469	2.21827	0.2352040	0.27319064	2.3522971	21	7 29.9	17.2
20156 Herbwindolf	15.2	X	58.17872	342.75856	70.79007	7.97051	0.0964985	0.28768594	2.2726033	21	—	—
20157 1996 TS_{18}	15.5	X	196.65916	146.07283	16.88738	1.46929	0.0872877	0.27404215	2.3474218	21	10 14.3	18.5
20158 1996 TD_{21}	15.5	X	170.93728	194.27572	31.03219	1.86264	0.1004639	0.27965886	2.3158850	21	12 5.4	18.7
20159 1996 TM_{28}	15.0	X	50.81549	206.92899	63.87682	6.86573	0.1193254	0.27366972	2.3495510	21	9 23.1	17.8
20160 1996 TH_{42}	14.9	X	49.20948	277.77952	66.18149	3.27098	0.1265271	0.28241920	2.3007701	21	12 28.8	17.9

Planet		H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
		m		°	°	°	°		°				
20161	1996 TR_{66}	7.5	X	58.40340	310.09854	342.86834	12.39739	0.4009765	0.00295371	48.1088057	21	10 27.7	24.1
20162	1996 UD	14.4	X	329.87392	7.39673	46.84953	6.43031	0.1690154	0.27725950	2.3292267	21	12 2.5	16.1
20163	1996 UG	14.7	X	14.37845	346.05815	37.94839	8.15578	0.1833760	0.27990734	2.3145142	21	—	—
20164	Janzajíc	15.1	X	207.84384	84.40930	202.11434	4.89257	0.1512169	0.29294724	2.2453107	21	—	—
20165	1996 VT_2	15.5	X	278.39626	263.65648	221.80605	1.57501	0.1701228	0.27746534	2.3280746	21	12 3.6	17.4
20166	1996 VQ_4	14.7	X	325.05736	61.07545	230.94901	11.66993	0.1836005	0.26489206	2.4011728	21	4 30.8	17.2
20167	1996 VX_4	14.6	X	336.53983	17.11806	330.89564	1.86894	0.2285726	0.27137886	2.3627551	21	8 26.1	15.7
20168	1996 VY_4	15.1	X	213.82912	190.06609	245.42658	8.72097	0.1732549	0.26452979	2.4033646	21	6 30.3	18.9
20169	1996 VG_{11}	14.9	X	246.38039	187.11072	339.00838	6.69759	0.1459846	0.28065169	2.3104200	21	12 12.9	17.6
20170	1996 VM_{30}	14.0	X	76.99460	327.23268	45.81609	9.29167	0.2066346	0.28542337	2.2845975	21	—	—
20171	1996 WC_2	14.5	X	113.16171	124.06806	69.68798	8.03195	0.0317223	0.26763331	2.3847486	21	8 16.8	17.6
20172	1996 XT_{16}	16.0	X	221.62993	221.17062	250.79791	1.53343	0.1558961	0.26871622	2.3783374	21	8 27.5	19.4
20173	1996 XO_{19}	14.7	X	340.79862	325.44574	130.34848	4.72710	0.1728833	0.23910133	2.5708775	21	—	—
20174	Eisenstein	15.3	X	207.82647	300.65413	100.93549	6.56999	0.1138406	0.26089747	2.4256202	21	5 15.7	19.0
20175	1996 XJ_{27}	14.0	X	149.10813	111.99237	127.45129	11.35344	0.0966338	0.23049924	2.6344486	21	11 26.2	18.2
20176	1996 XK_{29}	14.3	X	273.06111	359.95120	65.07573	9.26383	0.1476340	0.27082695	2.3659640	21	9 4.5	17.2
20177	1996 XP_{29}	14.6	X	309.65808	248.88154	153.22783	3.62407	0.0125209	0.22747043	2.6577823	21	10 6.6	18.0
20178	1996 XE_{31}	14.3	X	93.59508	305.08731	271.71930	10.89315	0.1301011	0.26214585	2.4179133	21	8 26.7	17.8
20179	1996 XX_{31}	13.7	X	60.63749	295.92523	349.47260	12.32592	0.1449714	0.26895515	2.3769286	21	10 21.2	17.0
20180	Annakolény	14.6	X	301.47842	189.91540	76.96672	12.88856	0.1227746	0.25186501	2.4832712	21	3 11.5	18.1
20181	1996 YC_2	14.8	X	55.43760	87.13461	301.50118	6.38231	0.1656651	0.28572588	2.2829847	21	—	—
20182	1997 AS	14.4	X	340.54013	174.46686	114.00478	5.68479	0.1933773	0.25767523	2.4458000	21	5 27.9	16.5
20183	1997 AD_1	14.7	X	149.59808	295.43256	118.65584	3.98137	0.1680333	0.25294979	2.4761665	21	4 5.9	18.5
20184	1997 AM_4	14.0	X	71.87471	145.37498	132.60676	13.86102	0.1518737	0.22500795	2.6771383	21	10 30.9	18.1
20185	1997 AC_7	13.7	X	167.56414	2.52908	136.16529	12.58250	0.0763631	0.22099592	2.7094422	21	8 6.7	17.6
20186	1997 AD_8	15.4	X	11.84514	102.44866	258.14708	2.09479	0.1092077	0.23002014	2.6381054	21	11 14.5	18.3
20187	Janapittichová	13.5	X	5.05771	88.30614	285.42720	22.23480	0.2884730	0.27567117	2.3381650	21	—	—
20188	1997 AC_{18}	14.0	X	244.46339	107.21199	101.63060	8.62731	0.0958149	0.23599460	2.5933911	21	—	—
20189	1997 BS_2	15.1	X	318.12784	97.88532	358.06795	3.39698	0.1728873	0.23423728	2.6063458	21	12 26.5	17.5
20190	1997 BZ_2	14.5	X	233.29879	85.03022	148.27850	4.06616	0.1695318	0.23618965	2.5919631	21	—	—
20191	1997 BS_3	14.4	X	332.36428	15.55980	123.14575	8.09823	0.1307517	0.23854228	2.5748927	21	—	—
20192	1997 BE_4	14.6	X	30.65415	42.41464	310.10937	3.00474	0.2073819	0.23319154	2.6141320	21	12 17.5	17.9
20193	Yakushima	13.6	X	351.48096	30.96854	316.90574	10.56127	0.2019996	0.22800970	2.6535901	21	9 21.6	16.2
20194	Ilarialocantore	14.2	X	359.71509	332.52037	135.89641	2.66911	0.0479902	0.19860748	2.9094149	21	—	—
20195	Mariovinci	14.5	X	129.54237	48.32582	133.93033	8.28744	0.1013180	0.21984879	2.7188589	21	8 23.2	18.6
20196	1997 CP_{19}	13.7	X	43.74955	294.27200	138.67859	13.26025	0.1606393	0.24095167	2.5576989	21	—	—
20197	Enriques	14.1	X	203.39164	336.16816	148.06682	13.70749	0.1129060	0.22238675	2.6981335	21	8 26.2	18.0
20198	1997 CL_{28}	15.2	X	13.89487	258.33616	165.06646	2.39955	0.1515937	0.23728936	2.5839486	21	—	—
20199	1997 DR	14.1	X	274.84191	274.94173	31.16993	2.76080	0.0220335	0.21041471	2.7995312	21	4 10.7	17.9
20200	Donbacky	14.3	X	27.99668	266.01673	337.76957	8.29242	0.1096088	0.21400515	2.7681305	21	6 29.6	17.6
20201	1997 EK_6	14.1	X	74.87704	277.14273	85.30476	15.58657	0.1671565	0.23577765	2.5949816	21	—	—
20202	1997 EC_{25}	14.5	X	295.52503	258.78200	69.43325	5.72255	0.0293816	0.21437492	2.7649465	21	6 4.6	18.3
20203	1997 ED_{25}	14.6	X	245.86075	269.62501	90.43059	6.51979	0.0615323	0.21267659	2.7796466	21	5 10.9	18.6
20204	Yuudurunosato	13.2	X	186.73365	336.83382	144.21470	4.24329	0.0462533	0.21754541	2.7380168	21	8 5.8	17.0
20205	Sitanchen	14.6	X	316.89269	306.03323	37.67951	3.02584	0.0106779	0.21987277	2.7186612	21	7 29.1	18.1
20206	1997 FA_4	13.2	X	32.72916	235.02405	14.14534	15.71608	0.0425105	0.17222818	3.1993855	21	7 10.1	17.8
20207	Dyckovsky	13.9	X	174.17288	264.48927	17.79761	10.13311	0.0810191	0.19114729	2.9846308	21	—	—
20208	Philiphe	13.6	X	6.56372	263.53378	184.43277	10.13755	0.0849329	0.19313013	2.9641672	21	—	—
20209	1997 FE_5	14.5	X	257.61356	203.00649	39.69533	2.57940	0.0711655	0.19680036	2.9271982	21	—	—
20210	1997 GQ_7	12.4	X	250.03570	3.44014	46.12512	15.91350	0.1584519	0.21339878	2.7733718	21	7 6.8	16.8
20211	Joycegates	14.3	X	151.73974	220.81258	353.56258	1.36226	0.1153088	0.18057226	3.1000499	21	10 20.5	19.2
20212	Ekbaltouma	14.6	X	338.95743	40.08057	17.99761	8.27199	0.0663599	0.18635853	3.0355440	21	11 25.5	18.6
20213	Saurabhsharan	14.0	X	31.93858	285.75870	168.69995	2.27976	0.0616936	0.19615217	2.9336433	21	—	—
20214	Lorikenny	13.9	X	44.27109	97.13623	358.41281	1.47528	0.0227458	0.19492469	2.9459462	21	1 5.7	18.0
20215	1997 GQ_{26}	15.0	X	184.69690	229.49797	183.38599	7.14392	0.1411520	0.21069191	2.7970752	21	5 9.3	19.5
20216	1997 GS_{27}	14.6	X	319.93039	112.81757	311.54592	13.52014	0.1171286	0.23040836	2.6351412	21	11 9.5	17.9
20217	Kathyclemmer	13.2	X	348.73584	214.29497	199.04621	7.97233	0.0814405	0.18639230	3.0351774	21	12 6.8	17.1
20218	Dukewriter	14.3	X	181.73588	132.07653	91.11829	0.89229	0.1235539	0.18609377	3.0384224	21	11 28.6	19.1
20219	Brianstone	13.4	X	247.46064	323.64960	215.74616	12.24303	0.2095317	0.22866293	2.6485339	21	12 11.3	17.1
20220	1997 GA_{40}	13.7	X	148.23155	350.38895	188.55098	13.50838	0.0937581	0.21680574	2.7442407	21	9 4.4	17.9
20221	1997 HV_8	14.6	X	183.40408	118.35703	64.19853	1.81425	0.1026931	0.18117393	3.0931827	21	10 14.4	19.3
20222	1997 HP_{11}	14.0	X	82.70570	108.77279	326.93128	1.45701	0.0810762	0.19724874	2.9227605	21	2 5.9	17.6
20223	1997 HK_{16}	13.7	X	100.30998	17.15882	355.97661	1.22204	0.1050164	0.19408992	2.9543871	21	—	—
20224	Johnrae	13.5	X	61.57405	12.73897	203.46558	8.97028	0.0294505	0.16938637	3.2350704	21	7 1.3	18.1
20225	1997 MG_1	13.1	X	79.62401	210.76238	189.38338	10.54797	0.1063843	0.18940094	3.0029491	21	—	—
20226	1997 NG_6	13.1	X	139.46537	244.31785	107.89730	11.69105	0.0668230	0.19006226	2.9959792	21	1 4.9	17.5
20227	1997 WS_{35}	13.4	X	145.25224	192.22013	55.03492	6.75983	0.0767223	0.24698237	2.5158925	21	11 30.9	17.1
20228	Jeanmarcmari	14.7	X	105.18772	334.11019	88.42738	0.70297	0.1091145	0.29986026	2.2106676	21	2 2.6	17.0
20229	1997 XX_4	15.5	X	147.37188	25.54267	126.96048	8.83426	0.1275691	0.26974142	2.3723074	21	8 6.6	18.9
20230	Blanchard	15.7	X	259.90816	142.28701	345.75552	3.55890	0.0805251	0.28047780	2.3113749	21	11 19.7	18.4
20231	1997 YK	14.1	X	304.85381	94.90773	267.25672	17.96808	0.1255783	0.36240135	1.9483913	21	7 19.8	15.8
20232	1997 YK_2	15.3	X	2.15292	344.82296	299.18800	3.99013	0.1037395	0.31435672	2.1421714	21	7 11.9	16.9
20233	1998 AZ_6	15.1	X	309.16669	245.61842	78.02980	2.02186	0.1943708	0.31438567	2.1420399	21	5 16.3	16.9
20234	Billgibson	14.9	X	140.65911	210.81342	311.44728	0.50807	0.0646008	0.30765725	2.1731579	21	8 9.9	17.6
20235	1998 BA_7	14.7	X	42.97423	105.68202	97.03887	3.27812	0.1110209	0.26327595	2.4109891	21	5 23.8	17.2
20236	1998 BZ_7	17.6	X	355.51549	104.22190	111.50403	6.50155	0.5586199	0.33925507	2.0360346	21	—	—
20237	Clavius	14.7	X	326.41807	1.37520	335.11574	3.66175	0.0675036	0.31264566	2.1499801	21	7 31.4	16.6
20238	1998 DT_7	14.4	X	206.69910	296.96613	300.88847	3.84145	0.1514578	0.28585386	2.2823032	21	—	—
20239	1998 DT_{12}	15.8	X	13.24986	1.66146	333.96901	3.41125	0.1697489	0.27772765	2.3266085	21	10 29.8	18.0
20240	1998 DC_{13}	14.8	X	153.82665	239.59428	145.91194	3.52962	0.1818939	0.29899951	2.2149082	21	2 26.8	17.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
20241 1998 DV_{23}	15.0	X	146.68410	169.43785	25.47843	8.44327	0.0770264	0.27047272	2.3680293	21	10 1.4	18.3
20242 Sagot	14.6	X	281.58940	207.80162	157.75471	4.61038	0.1059764	0.26866066	2.3786653	21	6 23.4	17.6
20243 Den Bosch	14.1	X	80.15840	288.33740	7.02535	11.47203	0.2172386	0.27561453	2.3384853	21	12 6.7	17.9
20244 1998 EF	14.6	X	96.13934	84.91244	125.32620	10.09594	0.0502156	0.26845277	2.3798931	21	8 17.1	17.5
20245 1998 EL_5	15.0	X	215.14879	336.74361	127.48812	7.15140	0.0657981	0.26890497	2.3772243	21	8 20.4	18.1
20246 Frappa	15.0	X	245.12120	201.99608	336.66068	4.08026	0.0831492	0.28344846	2.2951971	21	—	—
20247 1998 EB_9	15.2	X	255.09064	197.26773	100.17717	7.54481	0.1075854	0.25680138	2.4513452	21	2 21.7	18.8
20248 1998 EE_{10}	14.1	X	207.68941	269.27306	22.46135	4.50836	0.1510871	0.28935377	2.2638620	21	—	—
20249 1998 EM_{10}	15.1	X	250.60963	218.05089	12.97818	6.46782	0.1626814	0.28855314	2.2680477	21	—	—
20250 1998 EP_{11}	14.5	X	307.89561	220.55697	7.11381	13.34706	0.1784703	0.25241413	2.4796684	21	1 16.2	18.2
20251 1998 EA_{12}	15.1	X	108.85816	132.72671	83.34422	3.48134	0.1607991	0.27036529	2.3686565	21	9 23.6	18.5
20252 Eyjafjallajökull	15.3	X	12.58786	71.05685	13.20882	7.13576	0.0730425	0.28788655	2.2715474	21	—	—
20253 1998 EJ_{21}	15.3	X	245.62731	30.80374	174.26488	5.40664	0.0515971	0.28711617	2.2756089	21	—	—
20254 Úpice	14.3	X	244.52584	174.60473	91.20578	3.99836	0.1332615	0.24779699	2.5103756	21	—	—
20255 1998 FX_2	18.2	X	129.83275	17.59229	180.92613	9.95415	0.4912000	0.31211278	2.1524266	21	10 3.7	22.5
20256 Adolfneckař	15.7	X	165.54665	119.33341	62.50043	4.84871	0.1949436	0.27213796	2.3583593	21	10 3.9	19.5
20257 1998 FL_6	14.3	X	146.30747	333.07706	39.66616	5.31952	0.1910653	0.25099801	2.4889865	21	2 12.5	18.0
20258 1998 FF_{10}	15.0	X	321.77789	6.40725	204.29299	5.19316	0.1439594	0.29414635	2.2392044	21	1 2.3	17.9
20259 Alanhoffman	15.1	X	99.39706	42.50704	276.88802	1.43013	0.1022744	0.28031033	2.3122954	21	—	—
20260 1998 FL_{11}	13.7	X	131.07073	265.12267	71.62514	11.39334	0.1969882	0.24236147	2.5477706	21	—	—
20261 1998 FM_{12}	14.3	X	145.56153	139.51553	158.86858	3.99550	0.2155521	0.24003530	2.5642044	21	—	—
20262 1998 FB_{14}	13.8	X	342.90545	129.28584	167.21474	12.25109	0.2080863	0.22092071	2.7100570	21	6 15.6	16.6
20263 1998 FF_{16}	14.4	X	44.15951	106.50765	161.04637	2.48326	0.1888672	0.26612244	2.3937662	21	9 15.2	16.8
20264 Chauhan	14.4	X	154.65031	324.03520	94.14396	2.38897	0.1805156	0.26172514	2.4205038	21	4 15.6	18.2
20265 Yuyinchen	15.4	X	100.84930	209.06381	55.60525	2.35622	0.0764096	0.27597476	2.3364499	21	11 8.8	18.5
20266 Danielchoi	14.8	X	294.49214	344.67156	147.59955	4.02201	0.0796443	0.28468332	2.2885551	21	—	—
20267 1998 FU_{27}	14.0	X	266.08025	214.99077	198.80970	4.09099	0.0422788	0.22921315	2.6442937	21	8 16.7	17.5
20268 Racollier	14.7	X	273.86730	197.98919	182.94832	6.25463	0.1293506	0.26925853	2.3751429	21	6 30.3	17.8
20269 1998 FF_{28}	14.8	X	145.33180	182.30272	180.64751	6.01062	0.2231979	0.29399149	2.2399907	21	1 23.3	17.9
20270 Phildeutsch	14.5	X	338.94343	90.93002	209.13269	1.92701	0.1888305	0.26399867	2.4065869	21	6 11.5	16.5
20271 Allygoldberg	14.7	X	33.46149	312.76470	227.20159	2.28404	0.0409931	0.30044875	2.2077800	21	3 22.1	17.0
20272 Duyha	15.0	X	303.89766	272.21137	147.69633	4.31424	0.0916353	0.27706556	2.3303135	21	10 24.6	17.3
20273 1998 FO_{37}	15.1	X	165.69318	231.17772	175.40600	4.16798	0.1676758	0.30310680	2.1948538	21	4 6.5	18.1
20274 Halperin	15.3	X	236.91043	42.85751	249.85027	0.14176	0.0953299	0.25162967	2.4848193	21	1 26.7	18.7
20275 1998 FR_{41}	14.4	X	163.07605	175.22645	186.03144	11.45397	0.2215214	0.25234374	2.4801295	21	2 12.2	18.6
20276 1998 FO_{42}	16.2	X	51.34902	337.43836	212.82264	3.13261	0.1087029	0.30326461	2.1940923	21	5 15.8	18.2
20277 1998 FL_{44}	13.7	X	102.69054	271.86743	2.70982	13.48449	0.1578060	0.23286278	2.6165920	21	11 19.5	18.0
20278 Qileihang	15.7	X	101.77785	352.08171	130.43983	3.31892	0.1356525	0.26056506	2.4276828	21	5 5.7	18.8
20279 Harel	14.5	X	231.95448	210.16546	341.20502	5.57458	0.0854118	0.28235212	2.3011346	21	—	—
20280 1998 FQ_{49}	14.1	X	272.76023	355.87696	332.35853	1.65649	0.2105052	0.25884989	2.4383950	21	4 7.1	17.6
20281 Kathartman	14.4	X	255.88363	68.49396	4.17222	7.14122	0.0984836	0.27208129	2.3586867	21	8 26.7	17.3
20282 Hedberg	15.8	X	123.16345	322.50600	133.95412	3.93431	0.0783324	0.30172919	2.2015294	21	4 15.5	18.4
20283 Elizaheller	14.1	X	114.78581	279.84974	40.83398	3.69754	0.1849282	0.23949607	2.5680519	21	—	—
20284 Andreilevin	15.3	X	102.31669	204.25174	217.89557	0.23949	0.1572950	0.29554598	2.2321293	21	2 6.1	17.2
20285 Lubin	14.9	X	250.60733	231.79054	173.24510	6.46781	0.1175028	0.26786371	2.3833809	21	7 5.3	18.1
20286 Michta	14.9	X	122.75846	55.04545	168.62745	6.86671	0.0703400	0.27228136	2.3575312	21	10 11.7	18.1
20287 Munteanu	14.8	X	36.41215	3.75299	254.24227	1.48294	0.1848229	0.26432186	2.4046249	21	8 16.2	17.0
20288 Nachbaur	15.3	X	33.15815	54.66280	231.10140	1.74432	0.1563860	0.26692877	2.3889430	21	9 17.0	17.7
20289 Nettimi	14.2	X	109.24786	288.83015	15.50883	6.45256	0.1237658	0.27882478	2.3205012	21	—	—
20290 Seanraj	15.8	X	330.63671	193.80625	346.39170	4.10921	0.1499800	0.29207012	2.2498037	21	—	—
20291 Raumurthy	15.3	X	48.41721	120.60807	129.53777	3.31051	0.1545654	0.26511474	2.3998281	21	8 21.5	17.9
20292 Eduardreznik	15.2	X	187.87248	15.95111	169.22148	2.70179	0.0965265	0.27549372	2.3391689	21	11 2.9	18.3
20293 Sirichelson	14.3	X	254.72425	317.71616	30.71713	3.25605	0.1942835	0.25839094	2.4412815	21	4 17.3	17.9
20294 1998 FA_{73}	15.1	X	300.06068	68.40714	21.59320	7.22962	0.0581438	0.27700982	2.3306261	21	11 29.9	17.8
20295 1998 FF_{75}	13.4	X	306.86807	15.35014	25.58211	7.31395	0.1057188	0.27226921	2.3576013	21	9 28.9	15.7
20296 Shayestorm	14.7	X	187.71403	179.96120	69.43981	5.93491	0.1366648	0.28162258	2.3051069	21	—	—
20297 1998 FQ_{76}	14.1	X	16.94179	335.90782	58.99747	6.73014	0.1118396	0.23825462	2.5769649	21	—	—
20298 Gordonsu	14.9	X	165.03584	192.59890	50.58493	7.88151	0.0966219	0.23601957	2.5932081	21	12 14.2	18.8
20299 1998 FH_{78}	14.8	X	103.05049	70.28835	175.68861	13.51532	0.0333222	0.22923679	2.6441119	21	10 8.7	18.4
20300 Arjunsuri	14.3	X	227.46748	88.84439	37.78109	7.34976	0.0780121	0.27623919	2.3349586	21	10 6.5	17.2
20301 Thakur	14.1	X	179.25749	251.05384	324.83443	7.62988	0.0769193	0.27867609	2.3213266	21	12 3.2	17.3
20302 Kevinwang	14.5	X	156.35172	252.53643	285.04646	6.04191	0.0658783	0.27171310	2.3608170	21	9 14.2	17.8
20303 Lindwestrick	14.7	X	244.62003	83.43929	263.04822	3.58163	0.1185601	0.25929651	2.4355942	21	4 9.1	18.2
20304 Wolfson	15.0	X	66.64093	279.64525	321.24874	5.63427	0.1474098	0.26695623	2.3887792	21	9 1.9	18.0
20305 Feliciayen	14.8	X	204.48050	325.62864	262.92091	5.84489	0.0784480	0.28249603	2.3003530	21	—	—
20306 Richarnold	14.8	X	165.87826	14.34622	259.66166	4.64814	0.1044490	0.24000924	2.5643900	21	—	—
20307 Johnbarnes	15.0	X	178.07270	89.45066	287.57963	4.17445	0.1066327	0.25504609	2.4625796	21	3 10.0	18.6
20308 1998 FP_{109}	14.1	X	222.59706	261.53802	332.00263	7.26302	0.0797666	0.28467188	2.2886164	21	—	—
20309 Batalden	14.7	X	256.76513	352.00115	290.42520	6.81907	0.1332485	0.25108562	2.4884074	21	1 31.2	18.5
20310 1998 FD_{117}	14.3	X	11.77566	160.63197	216.56161	11.41662	0.2479200	0.27723210	2.3293801	21	—	—
20311 Nancycarter	14.9	X	172.78249	311.36866	301.51657	4.00520	0.0834780	0.23786871	2.5797513	21	—	—
20312 Danahy	14.1	X	211.53647	51.58801	345.52258	5.70346	0.1315674	0.26056635	2.4276747	21	5 9.2	17.8
20313 Fredrikson	14.9	X	176.10893	103.16514	196.72109	5.83139	0.1007400	0.24376440	2.5379858	21	—	—
20314 Johnharrison	14.5	X	43.78492	1.28853	292.45268	2.72738	0.1602999	0.31125453	2.1563815	21	10 22.5	16.9
20315 1998 FD_{130}	14.7	X	322.34686	116.80033	196.97282	12.10022	0.1608147	0.22135701	2.7064948	21	6 6.3	18.0
20316 Jerahalpern	15.5	X	157.33146	119.70417	307.67691	1.43921	0.1654734	0.26098209	2.4250959	21	4 27.2	19.1
20317 Hendrickson	15.1	X	255.06508	138.55780	337.59495	3.75572	0.0130861	0.23183391	2.6243278	21	10 28.9	18.6
20318 1998 GZ	15.4	X	264.03206	174.24224	31.86602	6.54290	0.0560689	0.28735272	2.2743598	21	—	—
20319 1998 GK_1	13.3	X	142.56601	332.21404	331.44065	8.29644	0.1841547	0.23925311	2.5697901	21	—	—
20320 1998 GH_8	13.1	X	262.15674	235.60960	89.37769	14.09496	0.1822679	0.21332062	2.7740492	21	4 7.7	17.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
20321 Lightdonovan	15.5	X	6.76364	55.25564	349.37688	4.84843	0.1164077	0.28025872	2.3125793	21	—	—
20322 1998 HZ_{20}	14.7	X	283.09173	302.87607	65.26218	4.59827	0.2214613	0.26602755	2.3943353	21	6 10.3	17.8
20323 Tomlindstom	14.7	X	98.26148	12.19639	55.48368	4.50621	0.1051817	0.29493557	2.2352080	21	2 1.1	17.0
20324 Johnmahoney	15.5	X	345.18949	99.84037	30.35992	0.65159	0.0411903	0.24565301	2.5249609	21	—	—
20325 Julianoey	13.2	X	355.78460	256.43913	98.15682	6.09815	0.0770013	0.26856072	2.3792554	21	10 18.5	15.8
20326 1998 HG_{37}	13.7	X	303.32021	307.60672	15.97368	12.51913	0.2326833	0.21689735	2.7434679	21	5 4.8	17.5
20327 1998 HQ_{39}	14.0	X	295.58017	256.89142	42.10155	2.09209	0.1704024	0.17221000	3.1996107	21	4 10.6	18.4
20328 1998 HS_{42}	13.9	X	335.43915	108.02402	154.09457	8.36017	0.2727569	0.21304931	2.7764038	21	4 1.2	16.9
20329 Manfro	14.7	X	198.32208	59.37293	48.48031	5.69416	0.0426317	0.26732407	2.3865874	21	8 7.2	17.9
20330 Manwell	14.8	X	348.01953	42.00612	262.37486	0.48049	0.0757718	0.22147724	2.7055152	21	7 15.7	17.7
20331 Bijemarks	13.9	X	192.91670	103.88228	292.56834	3.63397	0.0380544	0.21538086	2.7563307	21	4 22.7	17.9
20332 1998 HO_{49}	14.3	X	89.17351	64.69534	136.67527	7.00815	0.0861301	0.26321757	2.4113456	21	7 29.7	17.3
20333 Johannhuth	14.5	X	337.94939	71.51201	66.77471	3.94986	0.1181008	0.28655217	2.2785938	21	—	—
20334 Glewitsky	15.1	X	300.91038	130.50580	71.36900	3.91953	0.1512047	0.28918769	2.2647287	21	—	—
20335 Charmartell	14.9	X	57.23660	239.83764	207.66277	2.84218	0.0255616	0.24762179	2.5115595	21	—	—
20336 Gretamills	14.5	X	11.11132	177.85282	183.64056	2.15378	0.1826113	0.23051957	2.6342936	21	11 25.6	17.2
20337 Naeve	14.2	X	340.99607	72.47631	74.98798	6.02866	0.0702328	0.28829353	2.2694091	21	—	—
20338 Elainepappas	14.6	X	160.60026	332.16362	333.81458	0.97918	0.0723107	0.19871447	2.9083705	21	—	—
20339 Eileenreed	14.4	X	185.00982	48.91277	281.58588	1.14435	0.0607411	0.20447987	2.8534417	21	1 25.7	18.7
20340 Susanruder	15.5	X	173.03486	6.79988	137.85831	2.98886	0.1468855	0.26836965	2.3803845	21	8 22.6	19.2
20341 Alanstack	14.5	X	242.55825	228.03466	168.62543	5.09286	0.0780338	0.26234864	2.4166671	21	6 19.4	17.8
20342 Trinh	14.5	X	286.02012	116.50057	187.36794	3.43016	0.0193964	0.21364803	2.7712143	21	4 22.7	18.2
20343 Vaccariello	14.3	X	285.90587	101.80066	126.50503	4.42738	0.0892491	0.24707021	2.5152962	21	—	—
20344 1998 HF_{103}	15.3	X	149.62639	113.20669	44.43316	2.57107	0.1687442	0.26600305	2.3944824	21	8 18.0	19.0
20345 Davidvito	14.5	X	124.14442	140.36786	132.52621	6.77890	0.0972146	0.27571194	2.3379345	21	12 16.7	17.9
20346 1998 HZ_{114}	14.2	X	52.95548	144.81793	123.49601	11.17539	0.1371321	0.26636586	2.3923076	21	9 25.6	17.2
20347 Wunderlich	14.4	X	347.02338	169.09952	121.45680	5.78239	0.0858699	0.21819867	2.7325491	21	6 23.9	17.7
20348 1998 HK_{122}	13.8	X	179.76444	245.64063	87.41450	15.17770	0.1426459	0.24538492	2.5267996	21	1 23.3	17.8
20349 1998 HU_{123}	13.6	X	349.93187	294.40734	141.87752	14.60735	0.1596413	0.23826895	2.5768615	21	—	—
20350 1998 HV_{125}	12.9	X	27.90592	319.55255	106.61731	10.34678	0.3206701	0.19848679	2.9105940	21	—	—
20351 Kaborchardt	14.5	X	255.35533	130.12752	222.72564	3.83328	0.1100986	0.21749913	2.7384051	21	5 5.2	18.6
20352 Pinakibose	15.5	X	210.94306	198.10337	339.35531	6.15304	0.0462729	0.27780786	2.3261606	21	11 24.1	18.5
20353 1998 HD_{129}	14.7	X	172.99287	313.41569	355.64967	12.58802	0.1718738	0.24428988	2.5343450	21	—	—
20354 Rebeccachan	15.0	X	171.00376	90.51670	103.73391	6.40718	0.1036501	0.27430236	2.3459370	21	10 28.7	18.4
20355 Saraclark	14.9	X	257.21905	53.42388	139.22256	4.59556	0.1468172	0.28316870	2.2967085	21	—	—
20356 1998 HG_{147}	13.5	X	8.37036	317.36452	93.27751	12.21713	0.1739564	0.23597955	2.5935013	21	—	—
20357 Shireendhir	14.6	X	300.55620	202.87457	112.01378	7.50605	0.0197302	0.21568292	2.7537566	21	5 27.6	18.3
20358 Dalem	13.4	X	358.07613	189.71550	234.43865	12.13255	0.1468041	0.23537142	2.5979666	21	—	—
20359 1998 JR	14.7	X	243.24180	15.73243	296.53991	3.66189	0.1095133	0.20857375	2.8159803	21	3 2.2	19.0
20360 Holsapple	14.5	X	298.77148	88.68111	81.03521	9.61808	0.0646731	0.28476375	2.2881241	21	—	—
20361 Romanishin	14.1	X	92.70798	211.32564	73.75472	14.31089	0.1585573	0.22866520	2.6485164	21	11 27.1	18.1
20362 Trilling	13.6	X	127.60783	295.89549	91.85614	10.03832	0.1319490	0.24580936	2.5238901	21	2 3.6	17.1
20363 Komitov	14.3	X	104.04864	42.64648	230.10719	8.69314	0.1980128	0.22927041	2.6438535	21	11 25.3	18.5
20364 Zdenekmiler	12.8	X	89.41180	243.46354	137.35593	2.75023	0.1219763	0.19602806	2.9348814	21	—	—
20365 1998 KD_{5}	13.1	X	92.79258	268.84093	42.06340	10.11226	0.0888259	0.18350059	3.0669809	21	12 12.5	17.7
20366 Bonev	13.5	X	265.75618	236.28288	140.55871	9.41593	0.1864289	0.21673698	2.7448210	21	6 9.1	17.7
20367 Erikagibb	14.1	X	308.47103	164.06695	117.36041	9.15358	0.1903774	0.21060613	2.7978346	21	4 1.4	17.9
20368 1998 KF_{10}	14.3	X	309.52506	172.50558	174.26564	5.20222	0.0575990	0.22016780	2.7162319	21	7 15.3	17.7
20369 1998 KE_{16}	13.6	X	267.58062	278.41671	56.81659	17.20160	0.1846257	0.21267708	2.7796424	21	4 23.1	17.9
20370 1998 KR_{29}	12.8	X	210.64238	270.72331	131.96295	6.49178	0.0784989	0.21492004	2.7602692	21	5 23.8	17.0
20371 Ekladyous	14.4	X	314.72866	60.94754	250.05562	6.20251	0.0703729	0.21562972	2.7542095	21	6 2.7	17.9
20372 Juliafanning	14.8	X	255.55579	107.90035	102.44512	0.75706	0.1473973	0.28338878	2.2955193	21	—	—
20373 Fullmer	14.2	X	353.62508	170.12352	88.96264	9.27568	0.1465391	0.21395736	2.7685427	21	5 19.6	17.1
20374 1998 KD_{38}	13.2	X	154.51933	285.24271	77.52020	14.78197	0.2263109	0.19982546	2.8975804	21	2 21.3	18.2
20375 Sherrigerten	14.2	X	316.48208	227.16557	263.39178	7.02962	0.0775536	0.23817507	2.5775386	21	—	—
20376 Joyhines	15.1	X	75.42457	147.17743	57.18999	1.99796	0.1298659	0.26091454	2.4255144	21	7 22.5	18.1
20377 Jakubisin	14.9	X	213.78691	330.24716	227.37175	1.40987	0.1384830	0.27667594	2.3325007	21	12 13.3	17.8
20378 1998 KZ_{46}	13.0	X	43.49833	137.54059	258.57355	14.00339	0.1150276	0.23470852	2.6028560	21	—	—
20379 Christijohns	14.5	X	188.61554	28.93487	147.70293	4.53264	0.0754002	0.22782198	2.6550475	21	10 20.2	18.4
20380 1998 KW_{47}	13.4	X	282.04903	35.20352	207.95094	2.75813	0.1413158	0.24600449	2.5225553	21	1 9.1	17.1
20381 1998 KX_{47}	14.1	X	180.82422	125.64048	71.01417	8.66268	0.0559873	0.27151225	2.3619812	21	11 13.0	17.2
20382 1998 KW_{49}	14.2	X	135.36589	133.29369	137.91275	11.75482	0.0570205	0.19044428	2.9919713	21	12 11.9	18.9
20383 1998 KU_{51}	13.3	X	99.33093	166.15299	133.52606	11.75067	0.1051240	0.18836019	3.0140004	21	12 11.1	18.1
20384 1998 KW_{51}	13.4	X	74.23444	267.33379	123.04294	13.70944	0.1670129	0.23822688	2.5771649	21	—	—
20385 1998 KS_{53}	13.9	X	319.34827	160.14034	133.88393	9.89202	0.1309146	0.21290947	2.7776193	21	5 12.5	17.5
20386 1998 KK_{54}	13.6	X	36.87811	20.84519	112.14353	14.55796	0.0761678	0.20502782	2.8483555	21	2 12.4	17.2
20387 1998 KP_{54}	13.5	X	293.32078	233.63770	97.35758	13.85980	0.1536859	0.21322104	2.7749128	21	5 20.9	17.4
20388 1998 KZ_{54}	13.3	X	103.15283	111.03908	177.86401	10.59380	0.1239499	0.18670073	3.0318337	21	12 3.3	18.1
20389 1998 KA_{55}	12.8	X	96.12181	194.13369	134.56021	10.69646	0.0778087	0.19013615	2.9952029	21	—	—
20390 1998 KK_{55}	13.9	X	224.42586	240.76441	182.22953	9.58577	0.0321093	0.21726625	2.7403616	21	7 6.6	17.9
20391 1998 KT_{55}	12.8	X	85.46387	218.13023	91.25677	17.54351	0.2370902	0.22804189	2.6533403	21	12 24.8	17.0
20392 Mikeshepard	13.3	X	244.20427	52.99487	252.85725	15.90311	0.0940320	0.19989588	2.8968998	21	2 19.4	18.1
20393 Kevinlane	14.1	X	107.48187	87.34325	173.28339	8.78460	0.0911413	0.18466548	3.0540694	21	11 1.9	18.8
20394 Fatou	13.7	X	339.10634	106.03762	281.83242	6.67086	0.1322025	0.17747069	3.1360643	21	10 15.1	17.5
20395 1998 MY_{29}	12.6	X	331.67415	312.20110	272.36568	13.74982	0.1044065	0.20436637	2.8544981	21	2 21.5	16.6
20396 1998 MF_{32}	13.4	X	204.15203	352.43726	98.35237	10.16282	0.0093732	0.21458776	2.7631180	21	7 21.2	17.2
20397 1998 MR_{35}	13.5	X	201.50511	285.41232	53.78056	3.05653	0.0791128	0.19991521	2.8967131	21	2 25.3	17.8
20398 1998 NQ	14.7	X	267.98550	45.47869	103.26177	15.50273	0.0355624	0.23033008	2.6357382	21	12 25.6	18.1
20399 Michaelesser	14.0	X	50.31588	35.65154	231.34847	4.37079	0.1101107	0.17472414	3.1688433	21	8 30.7	18.3
20400 1998 OB_{4}	16.0	X	212.80113	242.99017	202.76915	2.50971	0.0904362	0.29820762	2.2188276	21	7 19.4	18.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
20401 1998 OX_5	14.5	*X*	98.93709	326.08516	283.92111	11.65136	0.0532450	0.22199297	2.7013233	21	10 2.1	18.6
20402 1998 OH_6	13.0	*X*	160.88534	7.18419	164.97098	6.30236	0.0951341	0.17501310	3.1653545	21	9 8.6	17.9
20403 Attenborough	13.5	*X*	48.76919	331.44492	93.17619	11.66395	0.0892520	0.19185511	2.9772854	21	—	—
20404 1998 OB_{14}	13.9	*X*	118.62423	243.65804	325.70791	18.24486	0.0876509	0.21605862	2.7505633	21	9 7.5	18.1
20405 Barryburke	14.7	*X*	198.37838	12.90750	31.02904	3.23695	0.1029066	0.24182125	2.5515636	21	5 7.8	18.4
20406 1998 QJ_{13}	13.6	*X*	250.96098	129.55704	128.79687	7.30345	0.1525183	0.19641207	2.9310547	21	1 5.4	18.4
20407 1998 QM_{20}	12.8	*X*	313.61700	334.14297	169.17650	11.67422	0.0418077	0.18732972	3.0250433	21	—	—
20408 1998 QW_{31}	14.4	*X*	193.21234	21.60620	349.10989	6.60916	0.2199607	0.28481859	2.2878304	21	3 19.3	18.1
20409 1998 QP_{43}	12.9	*X*	258.01389	120.83856	355.98278	17.00389	0.0946043	0.17617215	3.1514558	21	10 10.6	17.5
20410 1998 QM_{51}	13.0	*X*	162.89486	291.78740	301.81693	3.71770	0.1117355	0.17998208	3.1068232	21	11 21.8	18.0
20411 1998 QJ_{69}	13.4	*X*	135.75548	21.70334	210.01951	15.46725	0.0493564	0.17712964	3.1400885	21	10 22.6	18.1
20412 1998 QG_{73}	12.4	*X*	7.58487	225.97949	246.63544	8.39864	0.0509155	0.18838544	3.0137311	21	—	—
20413 1998 QY_{91}	15.2	*X*	158.99008	348.46132	50.24487	3.46878	0.2387420	0.28030836	2.3123063	21	3 28.9	18.8
20414 1998 RH_{16}	13.8	*X*	8.70949	61.62295	229.27191	4.55421	0.1199636	0.17171772	3.2057228	21	7 29.4	17.7
20415 Amandalu	14.9	*X*	24.76510	284.87946	335.96464	5.25377	0.1354460	0.29529323	2.2334028	21	7 24.2	16.8
20416 Mansour	14.1	*X*	190.17055	141.64677	353.26631	5.00670	0.0551021	0.21050075	2.7987684	21	8 28.5	18.1
20417 1998 SA_7	14.1	*X*	164.14728	229.22872	346.06862	7.17177	0.1907548	0.22138026	2.7063053	21	11 3.2	18.7
20418 1998 SH_{71}	15.3	*X*	32.37203	262.87331	144.02612	2.89928	0.1665816	0.26616143	2.3935324	21	—	—
20419 1998 SE_{117}	13.7	*X*	290.27878	277.35187	231.68894	7.04815	0.1601554	0.26565332	2.3965834	21	—	—
20420 Marashwhitman	14.8	*X*	142.68159	174.19940	156.46686	1.71759	0.1090868	0.22903115	2.6456944	21	—	—
20421 1998 TG_3	13.8	*X*	56.04813	109.65965	203.35912	21.48745	0.2963193	0.26284285	2.4136369	21	12 13.3	17.9
20422 1998 UE_8	13.4	*X*	286.70030	292.62724	168.60579	1.78849	0.1402722	0.17125412	3.2115057	21	10 27.1	17.5
20423 1998 VN_7	13.1	*X*	153.57839	226.02607	56.20696	13.52992	0.2379857	0.22690913	2.6621636	21	—	—
20424 1998 VF_{30}	10.6	*X*	309.85590	4.68457	66.95862	25.62789	0.1306029	0.08290602	5.2088917	21	10 23.2	17.3
20425 1998 VD_{35}	20.4	*X*	148.41307	296.22343	227.31975	6.98339	0.4765083	0.50342131	1.5650023	21	9 3.2	23.2
20426 Fridlund	13.2	*X*	129.56295	149.42667	93.71178	19.22277	0.1227646	0.17706674	3.1408321	21	11 9.8	18.4
20427 1998 VX_{44}	12.5	*X*	31.70328	237.97533	127.81974	24.02928	0.1027640	0.17761293	3.1343897	21	12 12.9	17.1
20428 1998 WG_{20}	11.0	*X*	325.47899	5.99006	45.31455	21.04187	0.1472285	0.08309128	5.2011463	21	10 15.6	17.3
20429 1998 YN_1	17.6	*X*	153.18796	147.61597	61.75493	6.29944	0.4641919	0.50783758	1.5559160	21	11 8.3	20.1
20430 Stout	14.6	*X*	185.46917	213.39902	132.08388	14.74913	0.1999216	0.22880812	2.6474134	21	2 17.3	19.0
20431 1999 AA_{10}	15.0	*X*	263.50579	61.07738	176.27206	3.00957	0.1206428	0.30752397	2.1737857	21	—	—
20432 1999 BD_{12}	14.1	*X*	315.20905	203.68955	84.13767	11.33212	0.2273847	0.27511400	2.3413208	21	4 7.2	17.1
20433 Prestinenza	13.5	*X*	146.74442	212.04654	148.64835	17.07901	0.0904491	0.17647830	3.1478099	21	1 27.3	18.2
20434 1999 FM_{10}	13.3	*X*	127.82746	268.63058	190.82440	12.07798	0.1418866	0.22885661	2.6470394	21	5 10.3	17.3
20435 1999 FU_{28}	14.0	*X*	72.67575	122.36934	185.79117	8.35997	0.2580533	0.28495469	2.2871019	21	12 22.4	17.7
20436 1999 GA_{33}	15.2	*X*	283.71139	183.75783	109.89298	6.16545	0.1638317	0.31019022	2.1613113	21	3 7.1	18.1
20437 Selohusa	15.1	*X*	267.92706	175.09302	193.10996	6.10852	0.1302944	0.27457516	2.3443830	21	6 4.9	18.3
20438 1999 JP_{22}	15.3	*X*	166.15924	12.02221	275.96069	2.48132	0.2001954	0.29304403	2.2448162	21	—	—
20439 1999 JM_{28}	14.1	*X*	133.86471	185.70246	238.85196	1.39051	0.1937065	0.26504336	2.4002589	21	4 2.0	17.6
20440 McClintock	14.5	*X*	193.08802	170.54635	185.92216	0.85997	0.1894804	0.26032769	2.4291583	21	3 3.8	18.5
20441 Elijahmena	15.2	*X*	43.94852	233.06614	119.50206	5.25604	0.1835643	0.28497379	2.2869997	21	—	—
20442 1999 JK_{52}	14.9	*X*	337.12100	354.17704	305.96570	2.75664	0.1077738	0.31529826	2.1379047	21	6 15.5	16.4
20443 1999 JJ_{60}	14.2	*X*	19.12730	277.47155	49.92179	11.12702	0.2168603	0.27707982	2.3302336	21	11 7.4	16.4
20444 Mamesser	15.0	*X*	114.20881	229.24065	80.83939	6.01350	0.1682420	0.28741321	2.2740407	21	—	—
20445 1999 JN_{77}	14.3	*X*	28.37697	213.01297	130.21033	7.20577	0.2443885	0.28052077	2.3111388	21	12 18.9	17.1
20446 1999 JB_{80}	13.9	*X*	47.47533	277.39491	81.19409	22.55614	0.3367813	0.28214376	2.3022673	21	—	—
20447 1999 JR_{85}	14.1	*X*	57.06298	118.29755	194.87893	11.35821	0.3121646	0.23415792	2.6069346	21	12 13.0	18.3
20448 1999 JM_{96}	14.9	*X*	100.89905	250.40907	91.92487	14.68646	0.2196031	0.24548775	2.5260940	21	—	—
20449 1999 JM_{108}	14.9	*X*	274.14111	68.55769	296.48163	1.19594	0.2238944	0.27105421	2.3646413	21	5 25.3	18.3
20450 Marymohammed	15.3	*X*	20.14659	198.53514	129.96043	5.47458	0.1603979	0.27833560	2.3232193	21	11 3.3	17.7
20451 Galeotti	14.8	*X*	342.87143	179.67878	100.06225	5.81381	0.2049270	0.31060685	2.1593781	21	5 11.4	16.2
20452 1999 KG_4	14.1	*X*	37.86081	152.36118	146.02690	7.90780	0.2343107	0.27341664	2.3510007	21	10 31.5	16.9
20453 1999 KL_6	14.1	*X*	8.01546	92.30552	201.02224	21.08390	0.2876470	0.27040397	2.3684307	21	8 19.5	16.1
20454 Pedrajo	14.7	*X*	175.28660	191.54204	156.94466	6.94425	0.1536191	0.25381193	2.4705560	21	2 4.2	18.6
20455 Pennell	14.7	*X*	64.36488	144.60321	136.61782	6.78502	0.1295749	0.27807138	2.3246908	21	10 27.6	17.7
20456 1999 LX_6	13.8	*X*	1.48490	206.57554	114.33185	13.03195	0.1281313	0.18220992	3.0814471	21	9 2.3	17.5
20457 1999 LX_7	14.6	*X*	76.21826	44.20021	306.04954	8.52944	0.2628101	0.23823685	2.5770930	21	—	—
20458 1999 LZ_{21}	15.4	*X*	358.44844	126.25388	212.62963	5.85870	0.2237599	0.27492616	2.3423871	21	10 12.1	17.1
20459 1999 LO_{26}	13.8	*X*	104.17181	231.90988	98.72346	10.09230	0.2092478	0.24211571	2.5494944	21	—	—
20460 Robwhiteley	15.2	*X*	243.58337	283.63647	280.07382	33.94119	0.4120746	0.38341125	1.8765472	21	—	—
20461 Dioretsa	13.8	*X*	66.62222	103.03571	297.83535	160.43028	0.9009280	0.00844588	23.8802848	21	11 1.1	29.0
20462 1999 LZ_{31}	13.4	*X*	185.69130	243.71452	295.67022	8.71762	0.0382573	0.18873893	3.0099670	21	10 11.7	18.0
20463 1999 MC_1	15.4	*X*	298.88382	287.58002	191.74388	7.00351	0.0448705	0.28339169	2.2955036	21	—	—
20464 1999 MD_1	15.3	*X*	336.16048	249.11797	159.96816	6.08222	0.1708253	0.27802387	2.3249556	21	12 10.4	17.3
20465 Vervack	14.7	*X*	19.70009	155.86080	115.20714	7.64265	0.1545359	0.26784621	2.3834847	21	7 30.8	16.7
20466 1999 MW_1	13.5	*X*	229.65682	166.26058	282.49232	30.26614	0.0781976	0.21831401	2.7315866	21	8 1.2	17.9
20467 Hibbitts	14.3	*X*	317.81075	101.83287	237.38159	6.84860	0.1800531	0.26730544	2.3866983	21	6 30.5	16.6
20468 Petercook	14.5	*X*	290.87847	274.94572	52.56044	1.96180	0.2383502	0.17399333	3.1777104	21	4 30.3	19.0
20469 Dudleymoore	14.9	*X*	185.50954	267.46830	74.12605	1.98192	0.1635823	0.20606719	2.8387696	21	2 13.7	19.6
20470 1999 NZ_5	13.8	*X*	277.33251	199.58994	151.37313	13.50952	0.2774288	0.26271155	2.4144410	21	5 8.4	17.6
20471 1999 NK_6	13.7	*X*	271.60900	104.77857	293.84139	10.67149	0.1835654	0.22236868	2.6982797	21	7 14.0	17.5
20472 Mollypettit	15.2	*X*	22.85733	93.17344	135.01448	3.35453	0.1299098	0.26415018	2.4056666	21	5 26.3	17.3
20473 1999 NS_8	13.1	*X*	40.64071	260.67267	134.75963	13.54251	0.1817842	0.23733106	2.5836460	21	—	—
20474 Reasoner	15.0	*X*	261.53112	49.47651	138.17239	7.48055	0.1291080	0.28794845	2.2712218	21	—	—
20475 1999 NU_{11}	14.5	*X*	212.41469	111.15956	305.29628	6.35315	0.2067777	0.21525589	2.7573974	21	6 4.2	19.3
20476 Chanarich	15.4	*X*	352.09451	11.69775	183.99334	2.69413	0.1441559	0.30071601	2.2064716	21	1 23.3	17.6
20477 Anastroda	14.7	*X*	336.80249	349.67056	317.27356	5.93751	0.1265184	0.26775991	2.3839968	21	6 26.0	16.9
20478 Rutenberg	14.2	*X*	56.71910	229.73201	107.60780	5.97835	0.1723854	0.23542600	2.5975651	21	12 25.5	17.8
20479 Celisaucier	14.5	*X*	282.72538	314.84530	292.76103	3.17336	0.0454423	0.25404665	2.4690340	21	1 24.8	17.9
20480 Antonschraut	14.7	*X*	235.83934	264.22322	118.86159	1.62642	0.1955643	0.26151063	2.4218272	21	5 13.9	18.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
20481 Sharples	14.7	X	310.30851	245.06406	76.72233	2.92213	0.1191980	0.26481393	2.4016451	21	6 1.2	17.4
20482 Dustinshea	14.8	X	327.99534	129.50407	105.03497	3.39859	0.1595971	0.25823948	2.4422360	21	2 19.0	17.6
20483 Sinay	14.7	X	63.40948	14.28641	336.95230	7.92564	0.1741250	0.28089370	2.3090928	21	—	—
20484 Janetsong	13.8	X	154.16457	237.59573	94.47894	7.12624	0.0933266	0.24557613	2.5254879	21	—	—
20485 1999 NJ_{54}	14.1	X	311.16151	196.02875	205.49840	13.25518	0.1732503	0.22651101	2.6652820	21	9 17.8	17.0
20486 1999 NU_{56}	13.5	X	37.45884	57.60747	243.86192	12.08029	0.1414949	0.22663634	2.6642993	21	10 4.8	16.9
20487 1999 NJ_{62}	14.4	X	287.00652	103.11898	231.26343	8.37642	0.2092465	0.21800943	2.7341302	21	5 4.7	18.3
20488 Pic–du–Midi	14.2	X	287.63126	354.87686	345.83059	7.03640	0.1528580	0.21808603	2.7334900	21	5 20.3	18.0
20489 1999 OJ_2	12.9	X	306.27700	255.83820	259.08121	12.44113	0.1045179	0.23662043	2.5888163	21	—	—
20490 1999 OW_2	12.9	X	28.97941	101.24337	313.09319	21.20619	0.1522568	0.23310384	2.6147877	21	—	—
20491 Ericstrege	15.0	X	180.57670	264.01070	295.75458	6.32228	0.0740662	0.27941439	2.3172357	21	11 13.3	18.2
20492 1999 OC_5	13.4	X	129.07249	197.47135	129.70210	15.43402	0.2083383	0.24113277	2.5564182	21	—	—
20493 1999 OD_5	13.9	X	277.77741	218.36970	127.98016	14.62626	0.1960210	0.21645403	2.7472126	21	5 16.8	18.2
20494 1999 PM_1	14.0	X	329.98288	258.48005	95.67761	28.13475	0.2428131	0.22416753	2.6838253	21	8 16.8	16.9
20495 Rimavská Sobota	15.2	X	111.41782	123.43340	162.46392	15.31677	0.1054351	0.23551035	2.5969448	21	12 14.3	19.4
20496 Jeník	14.2	X	9.47310	271.32454	125.11635	13.30756	0.1772579	0.18577341	3.0419146	21	12 26.7	17.9
20497 Mařenka	13.7	X	246.22287	282.76221	161.64250	9.75475	0.0518903	0.17344328	3.1844253	21	8 27.2	18.2
20498 1999 RT_1	13.5	X	72.15963	11.51170	351.17926	15.08665	0.1778001	0.23558884	2.5963680	21	—	—
20499 1999 RZ_2	14.3	X	127.63314	101.04696	318.60163	0.97202	0.0781270	0.20300249	2.8672692	21	3 12.9	18.4
20500 Avner	14.8	X	348.07986	233.02051	204.70221	5.28213	0.1431128	0.28146456	2.3059695	21	—	—
20501 1999 RD_{10}	14.3	X	109.55720	195.05111	185.17092	6.97642	0.1992836	0.24414969	2.5353150	21	1 8.6	17.4
20502 1999 RG_{11}	13.1	X	145.00022	298.77115	137.71867	15.47105	0.0585689	0.21120938	2.7925047	21	4 26.8	17.4
20503 Adamtazi	13.9	X	104.66636	329.44868	345.67889	2.62472	0.0758743	0.19067694	2.9895370	21	12 31.3	18.5
20504 1999 RH_{15}	13.7	X	309.97848	5.87255	150.37111	13.51999	0.0961153	0.24126257	2.5555012	21	—	—
20505 1999 RE_{16}	12.7	X	359.95439	329.40583	325.41340	5.29773	0.0773044	0.17514487	3.1637666	21	7 21.6	16.7
20506 1999 RO_{17}	14.4	X	348.22536	320.89361	180.07513	12.49730	0.1953524	0.24208113	2.5497372	21	—	—
20507 1999 RU_{19}	14.9	X	10.58404	132.10756	99.35470	0.07850	0.1182276	0.30418787	2.1896504	21	4 29.6	16.4
20508 1999 RL_{25}	13.9	X	209.08479	14.48487	353.93036	16.30395	0.0962841	0.25309979	2.4751880	21	3 30.1	17.6
20509 1999 RL_{26}	13.6	X	231.22015	311.99855	149.34550	5.73635	0.1171816	0.17349227	3.1838258	21	8 23.7	18.5
20510 1999 RQ_{26}	13.7	X	150.13192	58.23127	170.71556	9.34723	0.0953674	0.18386388	3.0629396	21	11 7.8	18.5
20511 1999 RJ_{31}	14.3	X	140.47531	285.97427	342.36088	7.50787	0.0996598	0.28056677	2.3108862	21	12 29.1	17.7
20512 Rothenberg	13.6	X	0.48160	105.17574	308.73618	8.57718	0.0855246	0.18419626	3.0592538	21	12 24.1	17.5
20513 Lazio	14.7	X	129.15980	150.82982	196.72947	2.73449	0.0713309	0.24114784	2.5563117	21	—	—
20514 1999 RD_{34}	13.9	X	21.64722	1.80032	3.60652	3.21416	0.1206372	0.18413140	3.0599722	21	11 26.9	17.8
20515 1999 RO_{34}	13.0	X	219.42931	357.28399	176.40671	9.66146	0.0357166	0.18455345	3.0553053	21	11 18.8	17.5
20516 1999 RP_{34}	13.9	X	295.28956	84.84706	148.57085	2.38261	0.0263868	0.20174657	2.8791566	21	2 3.9	18.0
20517 Judycrystal	14.3	X	313.48101	137.56069	291.02466	21.30971	0.0392257	0.22871346	2.6481438	21	11 7.7	18.2
20518 Rendtel	13.3	X	340.08114	322.02880	7.75956	10.64139	0.1126767	0.17175143	3.2053034	21	8 7.8	17.3
20519 1999 RH_{36}	13.7	X	67.74055	321.76006	43.09838	11.79760	0.1442745	0.18609367	3.0384235	21	—	—
20520 1999 RC_{38}	12.5	X	306.66807	289.87454	189.96971	13.38000	0.1216584	0.23153019	2.6266223	21	—	—
20521 1999 RM_{38}	13.2	X	17.67076	105.22843	195.26041	9.14841	0.0747279	0.17480078	3.1679171	21	8 21.7	17.5
20522 Yogeshwar	14.5	X	38.24526	53.23557	166.81640	11.64173	0.0259474	0.25965606	2.4333453	21	6 3.8	17.7
20523 1999 RZ_{41}	12.7	X	350.65685	104.95173	203.74197	8.48132	0.0841415	0.17359845	3.1825275	21	7 22.3	16.9
20524 Bustersikes	13.0	X	253.32705	145.98448	241.08911	8.35564	0.1651029	0.21289286	2.7777638	21	6 9.9	17.2
20525 1999 RU_{43}	13.2	X	161.12811	264.47590	40.11274	22.86336	0.2182185	0.23800443	2.5787705	21	—	—
20526 Bathompson	15.3	X	170.08751	69.28785	192.60497	4.79643	0.1497374	0.28599632	2.2815452	21	—	—
20527 Dajowestrich	14.9	X	60.89905	68.15796	151.31470	2.43992	0.1452459	0.26747955	2.3856624	21	7 24.5	17.6
20528 Kyleyawn	14.2	X	51.93176	201.33285	202.07258	1.19355	0.0833924	0.19573756	2.9377845	21	—	—
20529 Zwerling	15.1	X	242.39052	232.09588	196.20825	6.03468	0.1312108	0.26616517	2.3935099	21	7 24.7	18.6
20530 Johnayres	14.2	X	320.69682	165.39690	177.40467	1.03794	0.1783082	0.17674475	3.1446456	21	7 11.9	17.9
20531 Stevebabcock	14.4	X	26.10706	210.75279	57.14901	2.93109	0.1906268	0.26812542	2.3818298	21	8 14.8	16.4
20532 Benbilby	14.2	X	76.15680	6.20415	48.65414	3.71781	0.0969800	0.24371698	2.5383150	21	—	—
20533 Irmabonham	14.0	X	184.79296	172.94245	112.48098	3.15045	0.0831839	0.19716289	2.9236088	21	—	—
20534 Bozeman	15.2	X	231.67534	176.27971	76.84524	4.25863	0.0396611	0.24380812	2.5376824	21	—	—
20535 Marshburrows	14.8	X	325.08601	78.64155	104.43496	4.43861	0.1159864	0.29188307	2.2507648	21	—	—
20536 Tracicarter	15.2	X	181.29548	148.00626	127.18536	2.97253	0.1595703	0.28643910	2.2791934	21	—	—
20537 Sandraderosa	14.7	X	249.89023	213.94887	323.93418	7.07039	0.0546974	0.28060049	2.3107011	21	—	—
20538 1999 RN_{84}	14.6	X	125.94347	30.71204	257.91704	2.55060	0.2270718	0.28142091	2.3062080	21	—	—
20539 Gadberry	14.3	X	177.03956	247.93358	114.12317	3.34372	0.1031963	0.20363506	2.8613282	21	2 27.9	18.6
20540 Marhalpern	14.4	X	303.32883	308.48324	23.92932	5.60170	0.0643900	0.21640217	2.7476515	21	6 15.8	17.9
20541 1999 RN_{93}	14.1	X	291.46019	351.28539	59.20433	3.32049	0.0208873	0.22333035	2.6905282	21	9 22.1	17.7
20542 1999 RD_{94}	13.6	X	211.34988	121.79111	150.74507	8.92993	0.1780109	0.24399903	2.5363585	21	—	—
20543 1999 RZ_{98}	12.6	X	331.86930	294.16450	20.80647	21.82247	0.0342047	0.17044427	3.2216704	21	7 11.3	17.4
20544 Kimhansell	15.3	X	295.64705	326.42723	133.02424	8.82711	0.0775564	0.27810407	2.3245086	21	12 8.4	17.9
20545 Karenhowell	14.9	X	199.98220	312.02131	265.50010	6.25652	0.1214173	0.28155930	2.3054523	21	12 26.1	17.9
20546 1999 RA_{105}	13.2	X	180.13318	314.21924	223.81964	3.87550	0.0977742	0.17917475	3.1161487	21	10 4.2	17.9
20547 1999 RD_{105}	13.2	X	61.12320	84.08157	171.19362	5.72301	0.1092304	0.17486771	3.1671087	21	8 31.9	17.6
20548 1999 RM_{107}	13.7	X	254.39980	140.19868	296.32538	1.91876	0.1444010	0.17237206	3.1976050	21	8 14.8	18.2
20549 1999 RH_{110}	13.3	X	15.44186	175.43745	254.94488	8.90942	0.0803820	0.18919519	3.0051258	21	—	—
20550 1999 RX_{110}	14.3	X	227.32673	6.99971	294.63818	5.80816	0.0718506	0.24628571	2.5206347	21	1 28.6	17.8
20551 1999 RE_{112}	14.4	X	276.75337	91.16938	222.57157	7.04244	0.1415391	0.25942970	2.4347606	21	3 30.4	17.8
20552 1999 RU_{112}	14.2	X	18.16413	268.20609	180.99023	10.53616	0.1546889	0.24204946	2.5499596	21	—	—
20553 Donaldhowk	14.8	X	200.10349	270.21021	304.77643	2.78587	0.1074349	0.28228681	2.3014895	21	12 25.0	17.7
20554 1999 RW_{114}	13.6	X	125.36446	302.91932	300.63936	8.02605	0.0985832	0.18551813	3.0447045	21	10 26.2	18.4
20555 Jennings	14.8	X	217.41394	309.10426	144.82127	8.72501	0.1151715	0.26611037	2.3938385	21	8 2.4	18.3
20556 Midgekimble	14.6	X	359.79733	17.98259	318.90775	7.54652	0.1535242	0.27159804	2.3614838	21	9 28.8	16.8
20557 Davidkulka	14.0	X	17.63469	116.36698	166.90244	6.27166	0.1025966	0.26865002	2.3787281	21	8 7.6	16.4
20558 1999 RN_{117}	13.6	X	245.63635	92.57167	250.72765	7.74220	0.1663314	0.21281105	2.7784757	21	4 5.2	18.2
20559 Sheridanlamp	14.7	X	112.56053	124.53374	166.54800	7.41504	0.1925190	0.23672272	2.5880704	21	12 24.5	19.0
20560 1999 RX_{118}	13.7	X	293.36841	202.11564	195.75469	12.02608	0.2480513	0.22259745	2.6964307	21	7 29.4	17.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
20561 1999 RE_{120}	14.8	X	96.57100	247.10431	269.98160	0.95169	0.0289007	0.30640845	2.1790585	21	5 25.9	17.3
20562 1999 RV_{120}	13.6	X	308.65132	161.29890	171.83703	13.53314	0.2035906	0.26449282	2.4035886	21	6 2.9	16.6
20563 1999 RG_{121}	13.8	X	346.04985	239.38461	198.27295	13.56894	0.1449315	0.23524921	2.5988663	21	—	—
20564 Michaellane	14.4	X	38.27668	249.00176	58.89028	4.14980	0.0937935	0.22695432	2.6618102	21	10 13.5	17.6
20565 1999 RR_{123}	12.8	X	113.77362	319.13664	228.91736	10.76020	0.0586771	0.17394713	3.1782730	21	8 1.6	17.7
20566 Laurielee	14.4	X	21.82241	311.55328	320.04316	7.65039	0.1178480	0.26668669	2.3903885	21	7 31.9	16.7
20567 McQuarrie	14.7	X	116.18602	329.00513	345.88426	7.13861	0.1891465	0.28378662	2.2933734	21	—	—
20568 Migaki	14.9	X	326.67294	119.67916	150.44825	6.93503	0.1182506	0.26020978	2.4298920	21	4 16.1	17.7
20569 1999 RP_{132}	12.6	X	263.04044	98.36188	312.27365	12.86044	0.2278059	0.17402869	3.1772799	21	7 14.6	17.5
20570 Molchan	14.1	X	121.12783	10.98554	276.89953	5.98585	0.1098232	0.28092347	2.3089297	21	—	—
20571 Tiamorrison	14.8	X	269.62765	51.18882	188.00621	2.10419	0.1013977	0.29397833	2.2400575	21	—	—
20572 Celemorrow	14.6	X	64.27554	136.08028	292.00627	1.56628	0.0208173	0.19981052	2.8977248	21	—	—
20573 Garynadler	14.6	X	312.09686	203.54118	154.83631	6.37585	0.0439237	0.22197530	2.7014667	21	8 6.2	18.0
20574 Ochinero	15.1	X	293.49531	255.11745	201.47973	6.20566	0.0707995	0.27682151	2.3316829	21	11 30.2	17.7
20575 1999 RL_{142}	13.7	X	69.93411	134.67377	28.30927	6.43866	0.0747174	0.25535225	2.4606108	21	5 4.4	16.6
20576 Marieoertle	15.1	X	17.69193	192.73741	304.04084	4.43530	0.0630181	0.29235868	2.2483231	21	—	—
20577 1999 RM_{148}	14.0	X	171.46683	245.85181	183.76389	4.53292	0.0521268	0.21305037	2.7763946	21	5 13.4	18.0
20578 1999 RH_{149}	14.1	X	131.74387	107.84207	157.37757	10.22542	0.0266149	0.18856053	3.0118651	21	11 29.9	18.6
20579 1999 RX_{149}	13.5	X	321.24885	299.38082	165.56503	13.67944	0.1309089	0.23526138	2.5987767	21	—	—
20580 Marilpeters	14.5	X	31.12906	209.91829	68.69552	3.12486	0.1958065	0.26944214	2.3740637	21	9 12.6	16.8
20581 Prendergast	14.5	X	250.28843	281.05457	265.34009	2.98868	0.1467466	0.23888726	2.5724131	21	—	—
20582 Reichenbach	14.4	X	241.01235	304.82784	205.76915	3.00867	0.1201971	0.23178317	2.6247107	21	11 10.5	18.0
20583 Richthammer	14.5	X	233.40531	163.29669	111.88839	3.12372	0.0621574	0.20216131	2.8752174	21	1 11.6	18.8
20584 Brigidsavage	14.4	X	137.75276	235.51867	102.67392	3.10499	0.0980187	0.19720404	2.9232021	21	—	—
20585 Wentworth	14.7	X	1.42861	93.07088	104.48978	5.96198	0.0428319	0.29830612	2.2183391	21	2 28.8	17.1
20586 Elizkolod	14.5	X	233.58059	258.01008	127.08548	6.13311	0.0806560	0.21454648	2.7634724	21	5 26.6	18.6
20587 Jargoldman	14.3	X	60.71823	126.01333	259.88482	1.07114	0.1115347	0.19227744	2.9729242	21	—	—
20588 1999 RM_{166}	13.5	X	95.89898	35.51750	32.26797	3.98217	0.2342257	0.20002237	2.8956785	21	3 9.0	17.3
20589 Hennyadmoni	14.7	X	205.09401	226.33154	353.87647	3.23559	0.1476934	0.23731964	2.5837288	21	12 23.9	18.4
20590 Bongiovanni	14.9	X	189.71556	354.39929	76.38590	4.16093	0.0646142	0.21428278	2.7657390	21	6 4.3	19.0
20591 Sameergupta	14.8	X	154.12784	282.61826	339.81120	3.57842	0.0564573	0.23486319	2.6017132	21	12 28.4	18.6
20592 1999 RV_{177}	13.3	X	302.62762	205.48266	160.49724	9.97025	0.1034394	0.17465606	3.1696668	21	7 23.5	17.6
20593 Freilich	14.5	X	116.10111	88.51529	120.63856	7.06815	0.0739705	0.26845784	2.3798632	21	9 15.2	17.7
20594 1999 RP_{183}	13.6	X	7.30548	117.90468	163.26244	13.88364	0.0327091	0.17285213	3.1916816	21	7 11.8	18.2
20595 Ryanwisnoski	15.2	X	288.63583	140.62742	45.33962	3.43588	0.0854431	0.28675454	2.2775216	21	—	—
20596 1999 RX_{188}	14.5	X	194.26426	299.55948	165.68745	13.10553	0.1680467	0.21673750	2.7448166	21	7 19.5	19.2
20597 1999 RA_{192}	14.0	X	169.58959	297.81947	331.76467	12.81368	0.1533198	0.23615572	2.5922113	21	—	—
20598 1999 RO_{194}	14.0	X	244.61355	132.62179	213.91159	3.34324	0.1089979	0.21041815	2.7995007	21	4 15.7	18.3
20599 1999 RD_{196}	13.7	X	12.57913	206.23092	213.56616	13.08609	0.1357006	0.23478893	2.6022617	21	—	—
20600 Danieltse	14.4	X	35.84081	340.67595	286.52014	6.03206	0.1140639	0.22082231	2.7108620	21	8 13.4	17.7
20601 1999 RD_{197}	13.9	X	53.72735	0.51485	312.24538	6.71199	0.2964617	0.23026497	2.6362351	21	12 6.0	17.9
20602 1999 RC_{198}	12.1	X	277.95940	108.49286	332.50492	14.34797	0.1978960	0.17649669	3.1475914	21	9 8.5	16.4
20603 1999 RT_{199}	13.9	X	282.39829	152.63916	254.13079	11.55722	0.0526206	0.17618406	3.1513137	21	8 20.2	18.5
20604 Vrishikpatil	14.4	X	117.21422	349.26703	238.65698	8.48009	0.1623766	0.27084767	2.3658433	21	10 13.2	18.0
20605 1999 RX_{209}	14.1	X	192.97858	295.43795	338.87118	12.91018	0.1808133	0.24070388	2.5594539	21	—	—
20606 Widemann	13.5	X	54.84700	294.36478	29.40031	8.84642	0.1267634	0.18300293	3.0725387	21	11 19.4	17.9
20607 Vernazza	13.0	X	38.57279	24.70207	125.96729	9.15586	0.2334155	0.20352203	2.8623875	21	3 22.3	15.7
20608 Fredmerlin	15.2	X	326.05688	243.41720	27.07573	8.63402	0.0745222	0.30372772	2.1918615	21	4 14.3	17.5
20609 1999 RO_{225}	14.7	X	78.12662	54.24810	3.63343	2.22358	0.0094195	0.19760195	2.9192765	21	—	—
20610 1999 RK_{235}	14.0	X	221.57155	7.03273	139.65417	10.37357	0.0561315	0.22685417	2.6625935	21	10 24.6	17.9
20611 1999 RL_{235}	14.3	X	46.46371	37.78245	120.98661	6.72053	0.1046647	0.25125967	2.4872581	21	3 28.9	17.0
20612 1999 RT_{237}	13.0	X	356.33911	186.46330	125.66964	11.74838	0.0524616	0.17362158	3.1822447	21	8 7.5	17.1
20613 Chibaken	13.6	X	50.51188	213.18882	130.53331	12.41071	0.1084206	0.18480246	3.0525600	21	12 9.6	18.0
20614 1999 SN_3	14.1	X	170.72290	48.77266	258.38026	23.51528	0.2073956	0.28662593	2.2782029	21	—	—
20615 1999 SZ_3	13.4	X	310.13732	214.43655	335.49762	1.12586	0.0528570	0.19759420	2.9193528	21	—	—
20616 Zeeshansayed	14.6	X	302.66202	112.74592	121.05679	8.17079	0.0935350	0.29515634	2.2340933	21	1 16.8	17.2
20617 1999 SA_7	12.4	X	177.71705	84.40140	350.28487	21.45463	0.0606360	0.16998171	3.2275124	21	5 21.3	17.7
20618 Daniebutler	14.5	X	204.73605	267.26533	113.87458	7.11430	0.1525511	0.25566320	2.4586153	21	4 17.5	18.5
20619 1999 SB_{10}	14.4	X	108.52849	45.03015	236.91313	3.70058	0.1874747	0.23711172	2.5852390	21	12 10.2	18.7
20620 1999 SW_{10}	13.9	X	165.21836	285.57396	55.09077	15.67796	0.2011746	0.19798788	2.9154817	21	2 2.3	18.9
20621 1999 TK_{11}	13.6	X	186.99947	105.30969	356.80586	6.35548	0.0830935	0.25921958	2.4360761	21	7 13.4	17.2
20622 1999 TQ_{11}	13.3	X	300.70621	290.47261	96.59457	6.40555	0.1460790	0.17214839	3.2003740	21	8 14.1	17.4
20623 Davidyoung	13.2	X	44.89883	22.96886	326.28641	12.63182	0.1904665	0.22936182	2.6431510	21	12 29.6	17.0
20624 Dariozanetti	13.9	X	13.87625	87.73085	48.84207	14.19284	0.1013222	0.23993948	2.5648870	21	—	—
20625 Noto	14.0	X	86.60359	359.13475	61.62597	2.99289	0.0286234	0.19522506	2.9429237	21	1 17.9	17.9
20626 1999 TH_{21}	14.3	X	246.53924	270.66791	8.93943	5.97163	0.2276253	0.29384085	2.2407562	21	1 10.6	18.1
20627 1999 TF_{38}	14.1	X	74.09066	128.62998	167.31773	1.59198	0.0836777	0.18242522	3.0790221	21	11 4.7	18.4
20628 1999 TS_{40}	12.6	X	226.53947	278.28516	146.57705	6.54690	0.2196794	0.12341852	3.9952979	21	6 27.2	19.0
20629 1999 TB_{90}	14.1	X	316.94216	285.49205	178.13005	11.16050	0.1918730	0.18574253	3.0422517	21	12 17.6	17.5
20630 1999 TJ_{90}	14.1	X	238.77358	276.20901	127.43365	2.35552	0.2811489	0.12321781	3.9996353	21	6 8.6	20.6
20631 Stefuller	14.0	X	53.96897	260.11434	65.47619	7.36494	0.1343641	0.27463990	2.3440145	21	12 9.5	17.1
20632 Carlyrosser	14.1	X	269.61911	167.30366	128.45098	7.60711	0.1079604	0.25271776	2.4776819	21	3 7.6	17.6
20633 1999 TU_{93}	13.5	X	210.98804	351.45904	112.77028	3.42963	0.1362552	0.17049997	3.2209687	21	8 5.2	18.4
20634 Marichardson	14.3	X	79.63706	120.87897	59.71895	5.63846	0.1429023	0.25718092	2.4489329	21	6 25.9	17.2
20635 1999 TV_{96}	12.1	X	257.58014	229.02321	171.96236	21.92339	0.0605390	0.17074884	3.2178382	21	7 14.9	17.1
20636 1999 TC_{97}	14.5	X	270.73627	16.31558	95.08758	10.11327	0.1468569	0.22572234	2.6714867	21	10 29.3	18.0
20637 1999 TX_{103}	14.3	X	90.94712	237.81958	0.65696	11.00607	0.2283840	0.26802404	2.3824304	21	10 6.9	17.9
20638 Lingchen	14.1	X	319.51542	91.21361	245.83361	4.15409	0.0647889	0.21835417	2.7312517	21	7 16.1	17.4
20639 Michellouie	13.9	X	267.52650	169.72090	299.31071	9.72948	0.1011198	0.22812060	2.6527300	21	10 19.2	17.6
20640 1999 TF_{118}	12.9	X	256.98165	55.27066	339.99767	6.97399	0.2213246	0.12453401	3.9714039	21	6 19.4	19.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
20641 Yenuanchen	14.1	X	75.31656	206.03905	135.53744	2.85973	0.1031314	0.18727724	3.0256084	21	—	—
20642 Laurajohnson	14.3	X	316.79740	253.66657	168.04771	5.20259	0.1295523	0.17947132	3.1127149	21	10 26.9	18.0
20643 Angelicaliu	15.1	X	54.34512	314.78326	251.19313	2.23980	0.1298222	0.26025692	2.4295986	21	6 20.7	17.6
20644 Amritdas	14.3	X	77.18885	341.70786	229.79573	0.77381	0.0293199	0.21696604	2.7428889	21	7 17.2	17.8
20645 1999 TH_{149}	13.0	X	291.75908	334.32799	173.45808	11.01198	0.0297421	0.18894905	3.0077350	21	—	—
20646 Nikhilgupta	14.8	X	113.09549	63.05387	263.22827	1.66872	0.0571872	0.18944592	3.0024737	21	—	—
20647 1999 TQ_{155}	13.7	X	103.33428	27.33076	198.35838	11.70934	0.1073834	0.21872669	2.7281497	21	9 16.5	17.7
20648 1999 TF_{166}	13.9	X	298.67355	26.42763	348.55756	15.23542	0.0396728	0.17283796	3.1918560	21	8 12.9	18.4
20649 Miklenov	14.8	X	276.70568	13.93369	215.31564	0.97226	0.0418507	0.19703368	2.9248868	21	1 6.8	18.8
20650 1999 TG_{173}	13.9	X	192.57508	39.44750	160.61839	4.48975	0.1612065	0.22548305	2.6733764	21	11 15.4	18.1
20651 1999 TE_{219}	15.0	X	199.19083	175.65856	103.17151	3.20890	0.1038043	0.24142691	2.5543414	21	—	—
20652 1999 TY_{229}	14.4	X	77.35804	12.23090	164.46010	9.19102	0.0747759	0.25621725	2.4550696	21	6 6.9	17.6
20653 1999 TN_{245}	12.3	X	202.46482	129.98003	101.63771	11.18307	0.0921962	0.18755555	3.0226145	21	12 31.3	16.9
20654 1999 TO_{247}	13.5	X	99.94882	139.75221	111.81627	5.47036	0.0806235	0.17604725	3.1529462	21	10 12.5	18.2
20655 1999 TT_{248}	13.5	X	34.03769	145.49561	189.00438	10.06565	0.1150882	0.17777492	3.1324854	21	11 6.3	17.6
20656 1999 TX_{258}	14.1	X	23.17630	216.40432	41.61476	2.02765	0.1402914	0.17152345	3.2081430	21	7 13.3	17.9
20657 Alvarez–Candal	13.8	X	355.09898	254.41489	124.63163	15.03851	0.1778101	0.17970559	3.1100090	21	11 12.9	17.6
20658 Bushmarinov	14.8	X	39.43462	347.29772	291.95806	6.10164	0.1134154	0.26547604	2.3976502	21	9 8.1	17.6
20659 1999 UE	13.9	X	351.48368	352.56044	344.87522	0.85019	0.1946139	0.17703599	3.1411958	21	9 3.3	16.9
20660 1999 UF	13.4	X	189.65099	108.81856	17.90493	4.91139	0.0818650	0.17095529	3.2152471	21	8 15.4	18.3
20661 1999 UZ	14.0	X	351.09547	258.59866	43.43819	1.46045	0.1708715	0.17174398	3.2053960	21	7 14.3	17.6
20662 1999 UC_1	13.4	X	125.18169	308.98451	34.71329	12.38221	0.1933947	0.23851891	2.5750609	21	—	—
20663 1999 UU_2	14.3	X	126.72192	351.51742	314.41335	6.48729	0.1524009	0.28196181	2.3032576	21	—	—
20664 Senec	12.8	X	188.04274	148.73764	163.14729	10.29371	0.0684796	0.15183967	3.4797327	21	1 15.6	18.2
20665 1999 UQ_8	13.4	X	21.20340	102.91096	234.28532	7.46091	0.0603109	0.17663759	3.1459172	21	10 12.5	17.7
20666 1999 UX_8	13.6	X	254.97284	7.64971	213.88604	8.18367	0.0340391	0.19078900	2.9883663	21	—	—
20667 1999 UM_{11}	13.7	X	256.16181	27.35635	60.91005	1.67799	0.1214727	0.17266805	3.1939497	21	9 4.7	18.2
20668 1999 UN_{11}	14.2	X	213.84284	344.25323	215.85354	9.67586	0.1176992	0.27465720	2.3439161	21	12 18.7	17.4
20669 1999 UO_{13}	13.6	X	71.87190	119.56166	214.72181	6.59279	0.0201530	0.18595581	3.0399251	21	12 10.2	18.0
20670 1999 UA_{46}	13.5	X	120.58463	230.39822	350.28487	10.71233	0.0632071	0.17507012	3.1646670	21	9 22.2	18.3
20671 1999 UX_{48}	14.5	X	162.15460	304.64800	260.38809	10.34646	0.1461799	0.22556714	2.6727120	21	10 20.8	19.0
20672 1999 UU_{50}	14.0	X	132.39375	337.40839	187.97687	8.89148	0.2181990	0.21088297	2.7953855	21	8 9.3	18.8
20673 Janelle	14.0	X	125.03021	303.53647	52.26890	10.34673	0.1039729	0.19173769	2.9785008	21	—	—
20674 1999 VT_1	12.8	X	64.07190	204.06950	204.45092	9.94954	0.0378153	0.18919610	3.0051162	21	—	—
20675 1999 VK_6	12.9	X	135.64451	100.94491	239.66076	13.56960	0.0940738	0.18961971	3.0006389	21	—	—
20676 1999 VA_7	12.8	X	192.92080	27.74120	106.29576	23.42683	0.0833222	0.16994230	3.2280113	21	8 31.4	18.0
20677 1999 VT_7	13.3	X	88.22705	307.20703	59.42057	15.60781	0.1263558	0.23398936	2.6081865	21	—	—
20678 1999 VE_9	14.8	X	264.16301	351.00320	97.28839	1.32778	0.2120816	0.25911327	2.4367423	21	9 8.2	17.8
20679 1999 VU_9	12.7	X	231.27453	302.54541	134.10933	16.79758	0.0854009	0.17002479	3.2269672	21	7 26.9	17.5
20680 1999 VX_9	13.2	X	8.31929	16.52615	122.60088	14.21940	0.1055925	0.24097848	2.5575093	21	—	—
20681 1999 VH_{10}	13.5	X	107.23331	68.64040	124.12767	2.12308	0.0880488	0.21005545	2.8027224	21	8 8.8	17.5
20682 1999 VP_{23}	13.2	X	16.60711	271.69469	75.98903	13.58055	0.2080199	0.22514860	2.6760232	21	11 20.3	16.2
20683 1999 VT_{44}	14.5	X	286.56039	302.72530	256.84839	8.06365	0.1514850	0.23963056	2.5670909	21	—	—
20684 1999 VW_{44}	13.9	X	144.98384	151.86182	343.51491	8.66919	0.1036570	0.21239342	2.7821167	21	7 11.3	18.2
20685 1999 VX_{48}	13.2	X	108.93297	251.66425	268.13085	10.25983	0.1361184	0.20893005	2.8127779	21	7 3.9	17.4
20686 Thottumkara	15.0	X	212.57991	64.08677	141.77566	0.77668	0.1539353	0.27527828	2.3403892	21	12 20.3	18.2
20687 Saletore	14.1	X	16.92289	247.26764	48.61199	9.88768	0.0891776	0.21747513	2.7386066	21	8 27.0	17.5
20688 1999 VR_{62}	12.7	X	344.52116	305.73726	52.93902	5.51184	0.1931601	0.17567640	3.1573818	21	9 21.3	16.0
20689 Zhuyuanchen	13.8	X	233.65543	31.44187	43.64364	9.70888	0.1432740	0.21431914	2.7654262	21	7 25.6	18.1
20690 Crivello	14.1	X	128.25508	309.14950	61.14370	2.84051	0.1107480	0.19413265	2.9539535	21	1 19.1	18.2
20691 1999 VY_{72}	13.4	X	6.70053	254.03349	110.99712	22.20841	0.3109842	0.27121259	2.3637207	21	12 26.9	15.8
20692 1999 VX_{73}	13.2	X	52.05237	137.92141	77.25151	2.41215	0.0737233	0.16770945	3.2565996	21	6 23.8	17.6
20693 Ramondiaz	13.9	X	86.12430	5.17447	257.95562	0.23066	0.1330967	0.17974999	3.1094970	21	10 14.9	18.4
20694 1999 VT_{82}	14.7	X	162.43892	122.48916	1.73146	4.82593	0.1230835	0.21567256	2.7538448	21	7 15.6	19.0
20695 1999 VM_{92}	13.9	X	129.88318	357.16206	195.41269	5.20198	0.0821116	0.17421810	3.1749766	21	8 30.2	18.7
20696 Torresduarte	14.2	X	180.38826	357.36051	170.04739	1.00779	0.1109634	0.17599018	3.1536277	21	9 22.1	19.2
20697 1999 VK_{115}	14.3	X	170.64675	9.34506	282.48942	10.04793	0.0738423	0.19169684	2.9789239	21	—	—
20698 1999 VE_{127}	14.0	X	221.03299	28.20161	187.85360	5.92110	0.1344669	0.23469747	2.6029377	21	—	—
20699 1999 VJ_{144}	13.6	X	217.41220	12.53564	251.81017	7.08509	0.1684188	0.23904647	2.5712709	21	—	—
20700 1999 VG_{145}	14.4	X	119.14092	358.26690	11.52497	15.37919	0.1169106	0.24344545	2.5402021	21	—	—
20701 1999 VL_{179}	13.2	X	19.37532	239.24607	91.19520	15.83398	0.0106258	0.17445195	3.1721386	21	10 7.4	17.9
20702 1999 VF_{195}	13.7	X	108.02892	159.62310	99.40303	4.54245	0.0992366	0.18013785	3.1050319	21	10 31.5	18.4
20703 1999 VC_{203}	14.0	X	116.41913	219.10157	114.67443	10.50977	0.0790812	0.23762132	2.5815415	21	—	—
20704 1999 WH	12.2	X	210.30544	234.87291	53.87194	11.23905	0.0855938	0.19031804	2.9932943	21	1 6.4	16.9
20705 1999 WH_3	12.8	X	62.01793	23.16458	64.53894	14.07594	0.0525120	0.19212954	2.9744496	21	1 24.1	16.9
20706 1999 WY_3	13.9	X	69.57272	143.69287	101.52787	3.61357	0.1211434	0.30348320	2.1930386	21	9 14.5	16.4
20707 1999 WW_4	12.5	X	89.84113	184.97965	100.80562	11.49877	0.0407018	0.17501036	3.1653874	21	11 7.9	17.2
20708 1999 XH_1	12.7	X	305.89827	130.86613	79.68956	11.13029	0.0475717	0.19067816	2.9895242	21	1 20.6	16.9
20709 1999 XM_8	14.2	X	156.28958	58.62431	279.00401	12.89076	0.2202386	0.23467176	2.6031279	21	1 12.6	18.3
20710 1999 XP_{10}	13.6	X	269.25106	298.87026	270.65028	9.75334	0.0409220	0.19125896	2.9834690	21	—	—
20711 1999 XF_{12}	12.8	X	234.97890	236.39786	230.65065	18.34380	0.2972314	0.17451543	3.1713693	21	8 10.6	18.5
20712 1999 XF_{13}	13.1	X	307.53187	90.28100	82.88323	14.21665	0.1054388	0.23495206	2.6010570	21	—	—
20713 1999 XA_{32}	11.9	X	235.96618	285.38811	290.17909	12.67245	0.1090977	0.17708051	3.1406693	21	—	—
20714 1999 XS_{36}	13.1	X	252.37080	107.58768	9.93143	10.84048	0.0460765	0.17648335	3.1477499	21	10 14.9	17.5
20715 1999 XB_{44}	14.1	X	179.54319	213.52773	16.10078	3.01555	0.0805727	0.18173339	3.0868314	21	12 4.9	18.7
20716 1999 XG_{91}	11.4	X	3.66326	271.84894	108.17440	26.86767	0.1293493	0.08242662	5.2290694	21	11 11.1	18.0
20717 1999 XG_{93}	13.2	X	236.31138	158.31426	280.98413	7.65050	0.0737666	0.20936783	2.8088556	21	8 6.1	17.2
20718 1999 XZ_{97}	12.2	X	354.38905	157.23992	76.53461	11.89522	0.1195173	0.15568783	3.4221545	21	4 26.7	16.5
20719 Velasco	14.9	X	103.63395	61.67353	286.95103	1.96622	0.1311196	0.27675749	2.3320425	21	—	—
20720 1999 XP_{101}	11.1	X	288.11185	351.67438	100.73062	18.16547	0.1464450	0.08108949	5.2863959	21	10 13.7	18.1

ELEMENTS AND OPPOSITION DATES IN 2021

ECLIPTIC AND EQUINOX 2000.0, EPOCH 2021 JULY 5.0 TT

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
20721 1999 XA_{105}	13.0	X	29.76861	261.36609	171.98607	10.92206	0.0799147	0.18913417	3.0057721	21	—	—
20722 1999 XZ_{109}	12.8	X	158.94178	199.91512	77.77149	11.13706	0.0761571	0.18607837	3.0385901	21	—	—
20723 1999 XH_{113}	14.2	X	106.72360	356.33791	332.14324	12.49733	0.1879799	0.23395797	2.6084198	21	—	—
20724 1999 XO_{116}	14.0	X	309.18510	78.66073	347.87248	4.98042	0.0685695	0.17772834	3.1330327	21	10 22.9	18.3
20725 1999 XP_{120}	12.5	X	349.49098	76.98158	41.02021	10.19250	0.1110459	0.18752662	3.0229254	21	—	—
20726 1999 XE_{122}	14.3	X	4.66927	316.01678	292.32052	10.86857	0.1476326	0.25470035	2.4648076	21	5 17.0	16.7
20727 1999 XV_{123}	13.6	X	265.21352	262.70534	295.21799	8.43512	0.0376636	0.18827579	3.0149011	21	—	—
20728 1999 XD_{143}	14.7	X	207.21791	202.85015	175.87718	4.76479	0.1753310	0.29833116	2.2182150	21	4 10.6	18.1
20729 1999 XS_{143}	10.5	X	350.96182	92.69788	306.91451	22.01065	0.0650570	0.08270456	5.2173472	21	10 25.0	17.4
20730 Jorgecarvano	13.8	X	235.41300	124.41591	137.69110	9.21603	0.2499348	0.24448999	2.5329619	21	—	—
20731 Mothédiniz	13.4	X	61.04938	248.53887	128.70198	10.23913	0.0790440	0.18871534	3.0102177	21	—	—
20732 1999 XB_{167}	13.0	X	268.06478	195.79854	44.34856	14.07356	0.1002957	0.19286493	2.9668838	21	1 6.1	17.7
20733 1999 XE_{168}	12.7	X	170.92483	146.73728	57.85062	13.56369	0.1245124	0.17419553	3.1752509	21	10 29.5	17.8
20734 1999 XA_{169}	12.6	X	119.44431	225.55258	71.62445	25.06465	0.1957804	0.18127989	3.0919772	21	12 27.4	17.9
20735 1999 XU_{169}	12.9	X	2.72761	268.59130	76.17872	13.42381	0.1399246	0.17069584	3.2185042	21	10 9.4	17.0
20736 1999 XV_{170}	12.6	X	310.35996	10.82071	67.04296	8.56960	0.0555157	0.17529855	3.1619173	21	11 11.3	16.9
20737 1999 XJ_{189}	13.2	X	305.13499	126.45619	44.80021	10.14422	0.0618294	0.18640816	3.0350052	21	—	—
20738 1999 XG_{191}	11.6	X	24.65876	329.77182	33.22251	12.51924	0.0129063	0.08402448	5.1625647	21	10 31.5	18.5
20739 1999 XM_{193}	11.5	X	262.43198	183.57128	312.13187	12.11935	0.1367838	0.08296499	5.2064231	21	10 20.0	18.7
20740 Sémery	12.9	X	22.16486	202.07264	110.96177	6.47372	0.1653253	0.17743737	3.1364569	21	9 30.2	16.7
20741 Jeanmichelreess	13.2	X	201.37981	200.72813	303.97096	12.36154	0.2621380	0.17371060	3.1811575	21	9 2.8	19.0
20742 1999 XJ_{261}	13.8	X	266.62765	333.28436	131.63360	22.38842	0.0387107	0.22093596	2.7099323	21	11 3.9	18.0
20743 2000 AR_{6}	12.3	X	357.91692	312.24688	342.99504	21.15431	0.0533479	0.16922451	3.2371330	21	7 25.4	16.9
20744 2000 AO_{151}	13.3	X	249.97354	174.59105	208.42082	8.91532	0.1721090	0.21391222	2.7689322	21	6 1.0	17.6
20745 2000 AS_{185}	13.0	X	10.35445	270.56782	97.26351	13.96833	0.1991620	0.22651660	2.6652382	21	12 5.9	15.9
20746 2000 AL_{186}	14.0	X	67.36447	106.47647	158.68752	12.53541	0.1027013	0.21881411	2.7274230	21	9 27.7	17.7
20747 2000 AM_{186}	13.0	X	174.62384	96.56703	123.67354	13.77154	0.1177249	0.22575775	2.6712074	21	11 27.5	17.3
20748 2000 AP_{186}	13.4	X	320.25805	4.88361	118.87524	10.98575	0.0521413	0.18639444	3.0351541	21	—	—
20749 2000 AD_{199}	13.9	X	76.07321	43.98096	152.55249	14.30817	0.1514658	0.25675302	2.4516531	21	7 14.3	17.2
20750 2000 AF_{199}	13.3	X	45.81113	250.45227	96.72625	16.39192	0.2533105	0.23009093	2.6375643	21	—	—
20751 2000 AA_{200}	13.1	X	171.57875	189.17992	183.76901	16.98930	0.2366272	0.20176839	2.8789490	21	3 12.4	18.1
20752 2000 AP_{200}	13.8	X	23.55688	282.57041	161.35916	13.73034	0.1984442	0.18849193	3.0125958	21	—	—
20753 2000 AW_{211}	13.7	X	182.63885	62.60159	314.88337	12.89314	0.1857376	0.23928302	2.5695760	21	3 16.7	18.2
20754 2000 AD_{244}	13.7	X	314.80886	271.92667	174.97644	12.93724	0.0762986	0.18145328	3.0900072	21	11 29.4	17.9
20755 2000 BX_{6}	12.8	X	135.83824	264.75091	24.66419	17.46413	0.1480953	0.17803518	3.1294318	21	—	—
20756 2000 BC_{19}	14.7	X	341.97160	248.74295	134.19532	2.98478	0.0878532	0.21721771	2.7407698	21	10 25.0	17.8
20757 2000 CV_{52}	13.9	X	175.80864	215.06750	171.32434	13.98347	0.1789656	0.23845436	2.5755256	21	3 28.5	18.0
20758 2000 CS_{94}	13.5	X	65.76177	235.21013	168.49459	12.67743	0.1795562	0.22342037	2.6898054	21	—	—
20759 2000 CX_{96}	13.5	X	138.64943	130.72688	172.38145	13.47129	0.1786968	0.22020092	2.7159595	21	—	—
20760 Chanmatchun	13.7	X	134.81421	266.98865	35.91833	7.36411	0.1625013	0.26180928	2.4199851	21	—	—
20761 2000 EA_{8}	13.7	X	261.96881	219.60644	89.88492	9.39427	0.1725427	0.28024565	2.3126512	21	3 10.1	17.3
20762 2000 EE_{36}	11.9	X	3.47501	351.62206	87.95884	16.09945	0.1840391	0.17726742	3.1384612	21	—	—
20763 2000 FQ_{9}	15.0	X	133.87554	219.79552	123.79849	3.56422	0.2008069	0.31513306	2.1386518	21	—	—
20764 2000 FE_{38}	13.2	X	127.99383	259.02283	159.67007	9.93384	0.1537601	0.18610077	3.0383463	21	3 25.4	17.8
20765 2000 JC_{40}	12.9	X	120.68178	299.52384	244.23650	14.09386	0.0365801	0.24162319	2.5529578	21	8 2.6	16.7
20766 2000 PK_{11}	14.2	X	71.36503	219.07038	119.07386	14.54024	0.1267048	0.24498936	2.5295187	21	—	—
20767 2000 PN_{24}	13.0	X	287.98014	13.04249	41.91190	13.73748	0.1652532	0.23189899	2.6238368	21	9 9.4	16.4
20768 Langberg	14.5	X	160.25793	351.68298	72.73908	3.38265	0.1937212	0.26587318	2.3952620	21	4 29.3	18.2
20769 2000 QM_{65}	14.8	X	41.29100	283.40392	82.05269	6.70091	0.2620446	0.24300932	2.5432405	21	—	—
20770 2000 QT_{123}	15.6	X	56.54152	169.36470	213.56766	5.41554	0.2662775	0.24506056	2.5290288	21	—	—
20771 2000 QY_{150}	14.0	X	219.91381	159.50809	347.36718	11.59738	0.0473510	0.28122622	2.3072722	21	10 22.3	17.2
20772 Brittajones	14.4	X	315.89872	286.32443	240.04576	9.96656	0.0587603	0.24459502	2.5322367	21	—	—
20773 Aneeshvenkat	14.2	X	310.96961	156.59254	164.46931	5.79177	0.2084207	0.18011863	3.1052528	21	5 24.2	18.2
20774 2000 RP_{3}	13.5	X	114.58095	283.23616	41.12300	2.46289	0.0766149	0.19915389	2.9040908	21	—	—
20775 2000 RU_{9}	15.0	X	233.38883	313.90880	70.41685	2.89804	0.2141753	0.26570030	2.3963009	21	5 11.7	18.8
20776 Juliekrugler	14.7	X	344.10434	244.83486	160.40637	4.29764	0.1569400	0.23399541	2.6081415	21	12 5.6	17.3
20777 2000 RX_{10}	14.3	X	328.62971	211.47319	192.89283	3.57477	0.1753844	0.23160908	2.6260258	21	11 2.3	16.5
20778 Wangchaohao	15.0	X	184.30013	5.72479	89.23832	2.80599	0.1492965	0.26479464	2.4017617	21	6 28.7	18.6
20779 Xiajunchao	15.4	X	292.35516	288.99334	77.75387	7.28889	0.0412629	0.26957224	2.3732998	21	7 23.6	18.3
20780 Chanyikhei	14.1	X	38.82786	245.62799	182.15442	6.49259	0.1376513	0.24361889	2.5389963	21	—	—
20781 2000 RX_{38}	15.3	X	14.57213	67.48059	272.22941	5.98357	0.1766346	0.27875319	2.3208985	21	11 8.7	17.6
20782 Markcroce	14.6	X	279.72142	289.12420	172.10431	0.11955	0.0991993	0.27922555	2.3182803	21	11 10.7	17.1
20783 2000 RK_{55}	13.8	X	266.52830	41.20930	290.36462	7.74877	0.2173758	0.21863573	2.7289063	21	4 4.5	18.3
20784 Trevorpowers	14.6	X	221.34016	60.35856	300.57597	5.43100	0.0708418	0.26313368	2.4118581	21	4 3.2	18.1
20785 Mitalithakor	14.7	X	81.37507	213.55016	296.35388	6.94367	0.1067037	0.26213682	2.4179688	21	5 6.0	17.6
20786 2000 RG_{62}	14.6	X	225.46795	191.10705	105.62201	6.85725	0.2452815	0.30273493	2.1966508	21	1 12.7	18.3
20787 Mitchfourman	14.8	X	325.20021	249.02600	209.69215	4.76212	0.1501826	0.28766276	2.2727253	21	—	—
20788 2000 SB_{29}	13.5	X	134.38455	311.21914	239.39443	11.98906	0.0995258	0.23058996	2.6337575	21	9 2.2	17.8
20789 Hughgrant	13.3	X	35.91588	15.18111	66.39393	9.76420	0.2427848	0.24186535	2.5512535	21	—	—
20790 2000 SE_{45}	16.4	X	180.93798	169.00883	302.96430	8.32901	0.5584400	0.21645230	2.7472272	21	7 16.1	22.2
20791 2000 SH_{60}	14.3	X	242.45395	341.16435	192.99200	4.65315	0.2095682	0.24365079	2.5387747	21	12 1.9	17.8
20792 2000 SH_{88}	14.1	X	271.50053	333.92477	44.83571	13.66060	0.3090059	0.22568307	2.6717966	21	5 30.1	18.3
20793 Goldinaaron	15.1	X	345.55078	266.02824	81.32767	2.51898	0.1241267	0.23186745	2.6240747	21	9 13.9	17.7
20794 Ryanolson	15.3	X	20.37434	84.98841	305.21711	5.09503	0.1659603	0.28306704	2.2972584	21	—	—
20795 2000 SE_{161}	14.8	X	259.13370	20.17336	25.65375	2.63777	0.2078238	0.26898744	2.3767384	21	7 5.7	18.0
20796 Philipmunoz	14.1	X	350.80103	201.13823	280.61314	2.27749	0.0926997	0.20011443	2.8947903	21	—	—
20797 2000 SD_{172}	12.8	X	101.25760	242.43792	76.22441	13.65133	0.1874735	0.23733738	2.5836001	21	—	—
20798 Verlinden	14.7	X	45.31745	263.04707	50.39557	7.44329	0.1360523	0.27580086	2.3374319	21	11 12.9	17.3
20799 Ashishbakshi	13.8	X	259.08701	72.52818	39.65060	2.79821	0.1512720	0.18007068	3.1058040	21	10 4.3	18.0
20800 2000 SV_{172}	13.9	X	223.46494	348.56410	67.23863	15.14472	0.0880243	0.21659951	2.7459823	21	6 20.9	18.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
20801 2000 SC_{179}	13.6	X	40.11962	202.42944	22.98589	14.56593	0.1560773	0.22037236	2.7145508	21	6 29.7	17.0
20802 2000 SR_{179}	14.0	X	346.04024	30.15380	341.75335	4.92473	0.2385999	0.23382257	2.6094267	21	10 23.7	15.9
20803 2000 SK_{188}	13.6	X	51.22362	342.68289	250.68459	5.18248	0.0751298	0.17722417	3.1389718	21	7 15.6	17.7
20804 Etter	14.4	X	212.86676	183.49254	150.27240	10.92004	0.1776248	0.26180636	2.4200031	21	2 21.0	18.3
20805 2000 SC_{220}	13.3	X	250.90601	346.31903	59.86755	14.23407	0.1531696	0.22481602	2.6786618	21	7 3.3	17.4
20806 2000 SW_{220}	13.9	X	80.03834	294.58312	77.36555	13.23087	0.0824867	0.19849148	2.9105482	21	—	—
20807 2000 SY_{220}	13.2	X	337.51203	232.56667	142.96274	11.44601	0.1135472	0.18503169	3.0500384	21	10 4.8	17.0
20808 2000 SR_{243}	13.6	X	354.79435	195.07676	25.87221	11.31891	0.0582560	0.17241647	3.1970559	21	4 8.9	17.7
20809 Eshinjolly	14.3	X	117.35746	357.69703	147.10111	6.73041	0.1480699	0.26628614	2.3927850	21	6 25.4	17.7
20810 2000 SE_{266}	13.5	X	239.25158	358.12216	63.34476	8.91260	0.1638846	0.22518394	2.6757433	21	7 9.9	17.6
20811 2000 ST_{266}	13.8	X	299.87817	30.06224	114.15282	14.40271	0.0950129	0.24090126	2.5580557	21	—	—
20812 Shannonbabb	14.6	X	127.09753	36.10266	126.77443	6.63884	0.0964735	0.22276143	2.6951073	21	7 24.9	18.6
20813 Aakashshah	14.2	X	165.21569	308.06648	196.34281	2.99380	0.1118423	0.22480009	2.6787883	21	8 11.2	18.4
20814 Laurajones	13.7	X	89.12176	348.46031	323.82959	9.20137	0.0938459	0.19260561	2.9695462	21	12 13.0	18.2
20815 2000 SZ_{318}	14.1	X	330.14733	107.23167	304.41644	12.21442	0.0353483	0.23580359	2.5947914	21	11 12.1	17.6
20816 2000 SQ_{319}	13.0	X	341.04046	76.08132	288.56920	11.64435	0.1902345	0.23031665	2.6358407	21	9 20.9	15.8
20817 Liuxiaofeng	14.2	X	315.49545	127.98053	117.52969	9.86867	0.1046512	0.21427130	2.7658378	21	3 6.7	18.0
20818 Karmadiraju	14.3	X	80.67146	172.50143	48.79595	1.46923	0.0812522	0.17800908	3.1297378	21	8 11.1	18.7
20819 2000 TX_{55}	13.8	X	347.10195	339.10640	98.15473	11.39793	0.0759709	0.19303886	2.9651014	21	—	—
20820 2000 UZ_{3}	12.6	X	320.87472	136.88771	221.13096	15.94076	0.0851899	0.18007179	3.1057912	21	8 6.9	17.0
20821 Balasridhar	15.2	X	332.21557	172.83010	192.31894	6.81430	0.1366557	0.27704065	2.3304532	21	9 18.2	17.2
20822 Lintingnien	13.9	X	261.69909	317.65949	223.22261	5.05589	0.0950824	0.24295892	2.5435922	21	—	—
20823 Liutingchun	14.3	X	316.48478	306.65585	45.65826	5.70501	0.1679895	0.17993517	3.1073632	21	7 20.7	18.1
20824 2000 UX_{9}	15.8	X	24.19406	125.69737	216.12501	2.63005	0.2415116	0.28319909	2.2965442	21	12 11.2	18.4
20825 2000 UN_{11}	13.0	X	254.08099	136.39711	307.40710	12.58991	0.2079939	0.17861940	3.1226043	21	8 14.4	17.7
20826 2000 UV_{13}	13.9	X	139.16642	198.60489	347.31533	31.91253	0.6335254	0.26125818	2.4233871	21	9 18.1	19.5
20827 2000 UY_{25}	14.0	X	279.81339	193.06063	131.27100	5.91844	0.1030445	0.17071270	3.2182923	21	5 4.3	18.7
20828 Linchen	14.2	X	332.96306	144.58512	135.42192	6.64258	0.1189970	0.26590933	2.3950449	21	5 10.8	16.8
20829 2000 UR_{27}	14.4	X	278.64559	123.02886	187.03911	8.97318	0.1573212	0.21537294	2.7563982	21	4 1.7	18.4
20830 Luyajia	14.2	X	220.57988	79.51727	148.81232	2.96289	0.0173644	0.19616413	2.9335240	21	—	—
20831 Zhangyi	15.1	X	138.63513	311.44340	355.74099	2.06828	0.0572538	0.29163752	2.2520280	21	—	—
20832 Santhikodali	14.6	X	177.51001	358.35926	33.48763	5.23390	0.1439221	0.21238680	2.7821745	21	4 6.1	18.9
20833 2000 US_{47}	15.0	X	264.21095	287.60461	27.43689	2.66310	0.2258209	0.26420408	2.4053394	21	3 12.8	18.8
20834 Allihewlett	14.6	X	288.15837	78.10554	58.00012	5.77679	0.1707895	0.28543607	2.2845297	21	—	—
20835 Eliseadcock	14.0	X	13.42527	214.16942	93.16298	4.28901	0.1111021	0.22728207	2.6592506	21	9 6.1	16.9
20836 Marilytedja	14.6	X	314.80938	299.07673	148.01934	2.52001	0.0695073	0.18959519	3.0008975	21	11 30.2	18.5
20837 Ramanlal	14.6	X	98.59225	261.39013	135.41453	2.90315	0.1054489	0.20170492	2.8795529	21	1 11.8	18.4
20838 2000 UY_{53}	13.5	X	259.06830	169.02304	79.34464	9.35451	0.2114600	0.20446332	2.8535957	21	—	—
20839 Bretharrison	14.6	X	312.77784	202.82872	131.29679	3.62322	0.0608671	0.22217846	2.6998196	21	7 2.9	18.0
20840 Borishanin	14.0	X	260.15694	270.15181	239.89835	9.10942	0.1761171	0.23857895	2.5746289	21	11 27.6	17.1
20841 2000 UM_{69}	13.6	X	276.09048	138.54698	245.58805	7.51473	0.0591218	0.17722082	3.1390114	21	7 16.9	18.0
20842 2000 UG_{75}	13.6	X	292.74950	102.75912	209.91112	22.13485	0.1133698	0.17052272	3.2206823	21	5 2.7	18.1
20843 Kuotzuhao	14.9	X	350.49787	299.61618	323.83410	2.04128	0.1457222	0.26596690	2.3946993	21	5 11.6	17.1
20844 2000 UK_{97}	13.7	X	183.62248	153.76799	8.98884	9.58933	0.1320199	0.22821951	2.6519634	21	9 23.8	17.7
20845 2000 UY_{102}	12.7	X	353.57329	36.76471	34.75074	10.11503	0.0360681	0.19172434	2.9786391	21	—	—
20846 Liyulin	14.8	X	94.18918	324.44798	14.67314	6.32220	0.1073691	0.28966655	2.2622320	21	—	—
20847 2000 UW_{104}	13.4	X	86.91331	64.21109	40.28604	9.39778	0.1171636	0.21479581	2.7613334	21	3 26.2	17.0
20848 2000 UA_{105}	13.8	X	97.86929	222.95296	47.09763	13.88798	0.2378620	0.24140199	2.5545171	21	11 19.6	18.1
20849 2000 VJ_{1}	14.8	X	208.98507	276.72264	159.56356	5.74379	0.2335103	0.26542090	2.3979823	21	6 24.8	19.0
20850 Gaglani	14.8	X	245.94704	142.45499	273.80763	2.81452	0.1946547	0.26710337	2.3879018	21	7 6.4	18.1
20851 Ramachandran	14.6	X	15.06539	224.04497	269.81722	0.78452	0.1042193	0.20350473	2.8625498	21	1 8.2	17.9
20852 Allilandstrom	15.2	X	190.82861	159.30200	104.89373	2.50494	0.0826892	0.24545138	2.5263435	21	—	—
20853 Yunxiangchu	15.4	X	16.46189	347.13380	107.96629	4.13868	0.1013609	0.24595379	2.5229019	21	—	—
20854 Tetruashvily	14.9	X	202.46310	197.62931	184.04401	4.67607	0.1377029	0.26204357	2.4185424	21	4 12.7	18.6
20855 Arifawan	15.2	X	18.46080	267.58143	129.59381	3.47633	0.1678180	0.28696210	2.2764233	21	—	—
20856 Hamzabari	14.1	X	136.62953	45.18607	184.53529	6.64552	0.0698440	0.27899632	2.3195499	21	11 5.6	17.2
20857 Richardromeo	14.5	X	172.44013	253.51384	101.92812	9.36139	0.1405970	0.25390347	2.4699621	21	2 11.9	18.3
20858 Cuirongfeng	14.8	X	318.30368	224.64807	183.20762	2.00269	0.0386711	0.23196392	2.6233471	21	10 24.6	17.9
20859 2000 VT_{31}	13.9	X	73.06266	37.38247	27.27101	0.66709	0.1529223	0.20102991	2.8859951	21	1 16.9	17.1
20860 2000 VS_{34}	15.6	X	255.15467	115.26318	227.56030	8.62928	0.4423227	0.22006400	2.7170860	21	3 25.2	21.0
20861 Lesliebeh	15.1	X	331.56079	285.15774	120.26226	2.64115	0.1000910	0.23255908	2.6188694	21	11 10.4	18.0
20862 Jenngoedhart	14.1	X	350.82513	286.12865	223.66155	5.07571	0.1264409	0.29434533	2.2381951	21	—	—
20863 Jamescronk	14.3	X	40.06551	257.18753	147.35619	4.76898	0.1396717	0.28835217	2.2691014	21	—	—
20864 2000 VF_{36}	13.7	X	331.86568	40.72998	106.44027	14.19804	0.1066719	0.24090844	2.5580049	21	—	—
20865 2000 VL_{36}	13.6	X	336.76330	295.89887	117.45712	13.52474	0.1503424	0.23142492	2.6274188	21	12 4.1	16.4
20866 2000 VP_{37}	12.9	X	241.15129	210.43665	260.46386	21.04641	0.0596102	0.22532589	2.6746194	21	9 16.5	17.2
20867 2000 VT_{37}	12.9	X	212.96537	341.91712	264.59281	11.61370	0.1256022	0.23806725	2.5783168	21	—	—
20868 2000 VR_{39}	13.8	X	275.15160	65.92567	288.44798	2.40307	0.1994300	0.17638001	3.1489793	21	5 20.2	18.4
20869 2000 VK_{45}	14.1	X	0.90646	32.55991	270.54328	12.43330	0.2403949	0.27519972	2.3408346	21	8 10.2	15.7
20870 Kaningher	15.0	X	183.94168	176.74294	158.82515	2.47888	0.0683193	0.20607077	2.8387367	21	1 30.6	19.2
20871 2000 VJ_{48}	15.2	X	305.20841	10.89973	314.49297	1.50176	0.2289770	0.27041330	2.3683762	21	5 9.1	17.9
20872 2000 VV_{48}	15.5	X	277.23225	27.04361	268.65073	1.92069	0.2192774	0.30929306	2.1654887	21	2 22.0	18.8
20873 Evanfrank	14.2	X	122.80477	56.43054	51.00345	7.86878	0.1479786	0.25957612	2.4338449	21	5 11.9	17.6
20874 MacGregor	14.3	X	109.91171	326.93474	7.50540	1.97071	0.0946333	0.19470936	2.9481178	21	—	—
20875 2000 VU_{49}	13.8	X	111.85616	350.15924	0.11630	2.69838	0.2308015	0.19835398	2.9118932	21	—	—
20876 2000 VW_{49}	14.5	X	252.66043	342.18895	18.07388	2.66788	0.2170152	0.26649842	2.3915142	21	4 27.5	18.1
20877 2000 VD_{50}	15.3	X	250.10414	87.25707	303.19107	1.49824	0.2071090	0.26905275	2.3763538	21	6 4.6	19.0
20878 Uwetreske	14.5	X	301.73626	95.17134	246.92775	4.52318	0.1608160	0.22193273	2.7018121	21	6 11.9	17.9
20879 Chengyuhsuan	15.6	X	215.32073	255.56593	279.03733	4.71783	0.0861950	0.28197030	2.3032114	21	11 22.0	18.4
20880 Yiyideng	14.8	X	343.54772	312.52205	4.04395	4.58434	0.0473704	0.22264910	2.6960136	21	7 28.4	18.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
20881 2000 VG_{57}	15.6	X	161.98016	56.24090	344.91576	2.18344	0.1394942	0.30601669	2.1809178	21	3 22.5	18.5
20882 Paulsánchez	14.4	X	275.95992	358.11714	13.65580	2.37850	0.2475425	0.27140190	2.3626213	21	6 2.3	17.7
20883 Gervais	15.0	X	161.89550	336.12032	302.18130	5.93602	0.1317997	0.29147439	2.2528682	21	—	—
20884 2000 VA_{59}	14.1	X	150.58483	194.46808	129.60711	3.04866	0.0673264	0.20042783	2.8917719	21	—	—
20885 2000 WD_2	13.2	X	308.65442	30.62220	303.60860	9.64131	0.2136284	0.22320803	2.6915111	21	6 1.8	16.6
20886 2000 WE_2	14.3	X	263.68039	339.15418	327.28035	6.34272	0.1441013	0.30774684	2.1727361	21	3 1.0	17.3
20887 Ngwaikin	14.9	X	147.55370	240.59220	94.50498	3.19735	0.1625288	0.29352748	2.2423507	21	—	—
20888 Siyueguo	15.0	X	313.46865	48.56416	299.54803	1.49754	0.0948579	0.22471407	2.6794719	21	7 19.5	18.1
20889 2000 WB_{15}	15.4	X	134.19153	31.61139	296.93467	4.04760	0.2366261	0.29497584	2.2350046	21	—	—
20890 2000 WN_{19}	14.4	X	206.03166	217.87871	181.36032	9.79176	0.1816837	0.21654575	2.7464368	21	5 11.7	19.0
20891 2000 WN_{28}	13.4	X	259.06912	265.13882	148.35862	15.48073	0.1831198	0.22544210	2.6737002	21	7 17.8	17.4
20892 MacChnoic	14.8	X	269.94493	304.31029	279.28705	6.82407	0.1534016	0.29652242	2.2272263	21	—	—
20893 Rosymccloskey	15.4	X	143.82699	12.11071	280.59899	4.87794	0.1952149	0.29211219	2.2495877	21	—	—
20894 Krumeich	14.8	X	333.64139	250.53195	54.55517	4.96212	0.0655911	0.21944017	2.7222330	21	6 23.9	18.2
20895 2000 WU_{106}	14.5	X	242.69726	14.32679	288.77904	5.60366	0.1991849	0.30535774	2.1840543	21	2 2.2	18.0
20896 Tiphene	13.3	X	143.71444	115.13828	147.05925	13.74390	0.1563667	0.24084993	2.5584192	21	12 18.0	17.7
20897 Deborahdomingue	14.4	X	256.82782	208.17543	118.79117	15.57454	0.0248488	0.21374501	2.7703760	21	4 21.4	18.6
20898 Fountainhills	11.5	X	101.66347	236.38191	293.03355	44.93269	0.4691059	0.11096096	4.2889987	21	7 28.4	18.8
20899 2000 XB_3	13.2	X	48.85028	34.30615	296.67484	11.94083	0.3040222	0.23894295	2.5720134	21	12 26.9	17.0
20900 2000 XW_4	13.5	X	94.97978	315.28964	2.57826	10.68255	0.1111038	0.19163945	2.9795186	21	12 28.1	18.2
20901 Mattmuehler	14.6	X	37.91087	269.02098	359.22893	6.25297	0.1147567	0.27069745	2.3667185	21	8 26.1	17.0
20902 Kylebeighle	14.0	X	126.66777	155.29921	14.12930	8.73461	0.0042688	0.22035235	2.7147151	21	7 26.5	17.8
20903 2000 XH_9	13.6	X	87.97498	289.26424	53.25847	14.19469	0.1850494	0.23711045	2.5852483	21	—	—
20904 2190 $P–L$	14.4	X	210.82709	299.89301	205.62292	4.65867	0.1330713	0.17671016	3.1450559	21	9 23.3	19.2
20905 2581 $P–L$	14.8	X	150.72828	258.95556	95.61057	3.16531	0.0717446	0.20075417	2.8886372	21	1 19.2	18.9
20906 2727 $P–L$	15.2	X	171.51304	190.12985	20.90165	4.92969	0.1472240	0.27679953	2.3318064	21	11 13.9	18.6
20907 2762 $P–L$	14.6	X	295.30804	297.08436	81.66237	2.72747	0.2410157	0.17647884	3.1478035	21	7 9.9	18.7
20908 2819 $P–L$	14.9	X	327.48228	13.06322	177.16923	1.96619	0.0061714	0.20136077	2.8828329	21	1 24.2	18.9
20909 4026 $P–L$	13.2	X	206.27589	250.33646	359.34845	13.23662	0.1272243	0.23180396	2.6245539	21	—	—
20910 4060 $P–L$	14.4	X	220.28994	291.64281	241.51280	1.60987	0.0339991	0.22845207	2.6501634	21	11 24.8	17.9
20911 4083 $P–L$	14.6	X	244.04260	215.84570	340.97532	4.11354	0.0934024	0.27937418	2.3174580	21	—	—
20912 4129 $P–L$	15.3	X	154.18972	176.19036	189.33269	5.99721	0.1958836	0.29884420	2.2156755	21	1 31.7	18.4
20913 4214 $P–L$	14.0	X	200.87718	268.02745	230.58266	4.63845	0.0633139	0.17603993	3.1530336	21	9 8.4	18.8
20914 4215 $P–L$	16.1	X	85.20609	187.55987	272.07558	1.78337	0.0934237	0.29956288	2.2121304	21	2 21.0	18.3
20915 4302 $P–L$	14.1	X	133.12622	321.67989	231.52468	4.01470	0.0572660	0.17587350	3.1550224	21	9 1.3	18.9
20916 4628 $P–L$	14.5	X	276.67939	18.39692	18.53386	6.11102	0.1462026	0.17561488	3.1581191	21	7 24.7	19.0
20917 5016 $P–L$	15.3	X	12.77447	205.94325	14.27444	4.91957	0.1072933	0.30223097	2.1990921	21	4 15.4	17.2
20918 6539 $P–L$	14.1	X	42.00333	121.16498	169.99100	7.79112	0.0692512	0.22597206	2.6695182	21	9 21.5	17.5
20919 6606 $P–L$	14.8	X	265.92200	107.95872	28.80532	6.64404	0.0424724	0.27753867	2.3276645	21	12 16.1	17.5
20920 6653 $P–L$	14.6	X	279.43537	284.93656	131.60544	3.61411	0.0862471	0.22526303	2.6751169	21	9 3.4	17.9
20921 6680 $P–L$	15.2	X	281.24119	256.55443	183.64950	6.27473	0.0618451	0.27540572	2.3396671	21	10 19.3	17.8
20922 6769 $P–L$	14.2	X	340.80229	325.43464	55.65191	2.43713	0.1854797	0.17791602	3.1308289	21	10 13.1	17.3
20923 6846 $P–L$	14.4	X	261.15565	320.28685	147.66120	5.63152	0.1012200	0.17783466	3.1317839	21	10 9.6	18.8
20924 9526 $P–L$	13.7	X	16.15636	194.20769	16.47858	11.98453	0.0516680	0.22148432	2.7054576	21	4 18.3	17.0
20925 9596 $P–L$	14.3	X	249.24151	270.84668	175.57461	9.76585	0.2024238	0.17411560	3.1762225	21	8 13.1	19.3
20926 1101 $T–1$	14.8	X	190.81667	234.40755	278.38432	3.58681	0.0437793	0.22432024	2.6826071	21	9 20.1	18.7
20927 1126 $T–1$	15.6	X	95.81617	163.53582	328.21219	2.03808	0.1895127	0.25806516	2.4433356	21	5 17.1	18.6
20928 2024 $T–1$	15.1	X	334.05911	204.97563	181.66276	12.90724	0.1203121	0.22573915	2.6713541	21	10 18.9	18.0
20929 2050 $T–1$	14.0	X	202.05952	271.75970	174.34333	9.78064	0.0775891	0.18275637	3.0753015	21	7 6.8	18.8
20930 2130 $T–1$	15.4	X	24.06908	41.41326	4.84197	1.60152	0.1623017	0.28870303	2.2672626	21	—	—
20931 2208 $T–1$	14.2	X	342.49438	233.92172	14.43441	8.43742	0.1926685	0.25670656	2.4519488	21	3 29.1	16.4
20932 2258 $T–1$	13.4	X	197.22742	332.30782	27.25742	8.19109	0.2407024	0.25537802	2.4604452	21	3 15.4	17.7
20933 3015 $T–1$	14.6	X	111.29101	296.91845	357.00571	7.19297	0.1219427	0.28575923	2.2828070	21	—	—
20934 4194 $T–1$	14.6	X	96.36386	164.48884	160.23183	6.65129	0.1178834	0.28677215	2.2774284	21	—	—
20935 4265 $T–1$	15.3	X	39.00539	8.61400	99.74555	2.50601	0.1054050	0.29256920	2.2472444	21	—	—
20936 Nemrut Dagi	14.0	X	170.10943	324.45026	26.62878	18.59931	0.1010605	0.39027194	1.8544900	21	1 1.6	16.3
20937 1005 $T–2$	13.8	X	9.61595	166.43935	207.04287	2.19781	0.0926886	0.18694073	3.0292382	21	11 17.9	17.6
20938 1075 $T–2$	15.6	X	196.40071	271.80316	350.61013	7.50325	0.1742216	0.29547947	2.2324642	21	—	—
20939 1178 $T–2$	14.8	X	344.11034	87.11979	195.90006	10.24135	0.1121322	0.18086418	3.0967133	21	6 8.4	18.7
20940 1236 $T–2$	15.1	X	281.86062	18.29250	346.99701	1.78727	0.1406824	0.26389359	2.4072258	21	6 17.7	18.0
20941 1341 $T–2$	15.0	X	256.55104	86.03528	0.53525	2.75103	0.0576542	0.22509152	2.6764756	21	9 16.1	18.4
20942 2092 $T–2$	14.6	X	244.87265	338.14138	181.12385	5.29614	0.0991565	0.22894028	2.6463944	21	11 29.6	18.2
20943 2115 $T–2$	15.4	X	66.02935	97.48041	15.04460	2.06541	0.0804882	0.29823482	2.2186927	21	2 7.9	17.4
20944 2200 $T–2$	15.1	X	286.12734	311.14408	334.60201	0.31200	0.1244245	0.26020139	2.4299442	21	3 8.5	18.2
20945 2248 $T–2$	15.8	X	89.64212	183.69091	191.98025	5.69330	0.1493182	0.29429717	2.2384393	21	—	—
20946 2316 $T–2$	15.5	X	67.29769	312.77543	178.94291	2.82660	0.0356771	0.29959983	2.2119485	21	3 5.0	17.9
20947 Polyneikes	11.9	X	296.42968	34.79646	52.24269	2.32825	0.0246980	0.08636260	5.0689605	21	10 24.6	18.5
20948 2754 $T–2$	15.6	X	84.71462	1.85013	175.13688	6.38394	0.0651250	0.26197348	2.4189738	21	6 15.5	18.6
20949 3024 $T–2$	15.4	X	270.37861	83.49965	7.61082	22.08841	0.0299376	0.22684145	2.6626930	21	10 10.9	19.0
20950 3305 $T–2$	15.2	X	42.76410	202.66210	48.64190	3.21371	0.1449376	0.26508123	2.4000304	21	8 13.0	17.8
20951 4261 $T–2$	14.8	X	281.52065	13.94209	49.42290	4.89986	0.0542662	0.22523358	2.6753501	21	9 21.9	18.3
20952 Tydeus	11.6	X	334.76513	91.39495	314.82798	9.98787	0.0860445	0.08392778	5.1665291	21	10 15.8	18.2
20953 1068 $T–3$	13.4	X	241.89451	119.28278	1.72542	21.89254	0.1827205	0.17736916	3.1372610	21	9 21.9	18.2
20954 1158 $T–3$	13.4	X	207.47918	325.47042	259.40362	10.03597	0.1144835	0.18428531	3.0582682	21	12 25.5	18.0
20955 2387 $T–3$	13.6	X	8.54138	73.50031	255.75886	3.85750	0.1056354	0.17827784	3.1265915	21	9 17.6	17.5
20956 3510 $T–3$	15.4	X	98.26761	161.69494	10.00182	3.95475	0.0786572	0.30844363	2.1694627	21	6 28.9	17.8
20957 4430 $T–3$	15.2	X	39.68311	310.51198	75.12308	3.95429	0.1081970	0.29590716	2.2303126	21	—	—
20958 A900 MA	14.4	X	3.65141	187.86519	97.46663	8.16217	0.2957292	0.27727151	2.3291594	21	7 28.8	15.0
20959 1936 UG	13.7	X	15.97551	323.58700	104.79849	6.13671	0.3126065	0.23404229	2.6077932	21	—	—
20960 1971 UR	13.0	X	254.92564	63.53642	45.76792	5.87115	0.0928082	0.17585227	3.1552763	21	10 4.7	17.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
20961 Arkesilaos	11.9	X	315.85484	46.96191	27.88090	9.20430	0.0185959	0.08454045	5.1415375	21	11 1.3	18.7
20962 Michizane	14.0	X	101.16964	77.33515	175.10036	12.86277	0.1221399	0.23263255	2.6183180	21	10 25.4	18.0
20963 Pisarenko	13.2	X	165.52831	308.90342	343.20756	12.90900	0.1829553	0.23269619	2.6178406	21	—	—
20964 Mons Naklethi	14.2	X	287.95812	134.84724	276.47277	9.31550	0.1898018	0.26760056	2.3849432	21	8 21.0	17.0
20965 Kutafin	13.7	X	221.15735	330.81388	1.10901	14.55593	0.1355173	0.19641356	2.9310399	21	3 8.4	18.3
20966 1978 VH_5	13.6	X	350.52983	226.40608	248.74374	8.94198	0.0167000	0.18736626	3.0246499	21	—	—
20967 1978 VF_6	15.4	X	241.85284	252.52385	255.23783	5.09842	0.0979473	0.27453888	2.3445894	21	11 17.7	18.2
20968 1978 VM_8	15.9	X	211.71058	243.95880	229.29447	5.93268	0.1513643	0.26984353	2.3717088	21	8 17.1	19.5
20969 Samo	14.6	X	323.03909	50.08428	331.41030	5.20909	0.2759089	0.23415866	2.6069292	21	9 3.3	16.2
20970 1981 DD_1	14.9	X	68.86042	126.88251	332.05894	14.51748	0.1221015	0.24442505	2.5334105	21	2 11.7	17.6
20971 1981 DR_1	14.2	X	291.13634	42.63943	221.74090	12.55984	0.1452507	0.24458615	2.5322980	21	2 9.7	18.1
20972 1981 DX_2	14.7	X	280.07010	280.94470	266.86148	7.94682	0.0564469	0.19061489	2.9901858	21	—	—
20973 1981 EL_2	14.8	X	46.83240	97.53529	227.72624	10.76392	0.1661173	0.23282114	2.6169039	21	11 27.7	18.2
20974 1981 EO_2	13.6	X	232.58025	5.90194	237.00642	8.40592	0.0339876	0.19125039	2.9835580	21	—	—
20975 1981 ER_4	13.7	X	60.04261	244.34673	211.43377	10.05434	0.1181559	0.19505092	2.9446751	21	1 30.5	17.5
20976 1981 EA_6	14.7	X	350.64204	83.54771	258.38167	6.20679	0.0562069	0.18140843	3.0905165	21	9 3.8	18.8
20977 1981 EN_7	13.8	X	110.41458	26.94323	328.51611	9.28055	0.0925578	0.19075708	2.9886996	21	—	—
20978 1981 EW_{10}	16.0	X	303.22345	260.12482	316.87673	6.38749	0.1180424	0.29164445	2.2519923	21	—	—
20979 1981 EO_{13}	15.7	X	332.06920	229.41905	323.23853	4.91988	0.0631461	0.29230181	2.2486147	21	1 5.7	18.4
20980 1981 ED_{16}	15.6	X	308.35101	291.06874	267.96717	3.58483	0.1447533	0.29080343	2.2563322	21	—	—
20981 1981 EZ_{16}	15.0	X	17.89618	81.67386	346.75604	7.74929	0.1351790	0.23917709	2.5703346	21	—	—
20982 1981 EL_{17}	14.9	X	127.17996	45.30189	191.95822	14.08499	0.0762299	0.23220419	2.6215372	21	10 29.9	18.8
20983 1981 EN_{20}	16.2	X	30.77665	300.62084	149.25126	2.61486	0.1880983	0.29120789	2.2542425	21	—	—
20984 1981 EH_{33}	14.2	X	56.90617	98.97255	191.07356	9.76800	0.0565901	0.18259447	3.0771191	21	10 2.9	18.5
20985 1981 EA_{35}	13.2	X	303.84928	33.80545	354.04534	15.65472	0.2494366	0.18300233	3.0725453	21	8 8.8	17.1
20986 1981 EL_{37}	14.4	X	349.40418	111.62168	207.33302	10.86112	0.1617629	0.17980829	3.1088247	21	7 31.4	18.1
20987 1981 EU_{38}	14.8	X	282.52366	43.83057	204.00534	3.17443	0.1340744	0.29176430	2.2513756	21	1 7.6	17.9
20988 1981 EC_{43}	14.8	X	106.62415	132.86117	188.56937	5.09896	0.1907701	0.28465737	2.2886942	21	—	—
20989 1981 EZ_{45}	13.7	X	207.94678	197.25993	161.20184	5.85894	0.1243519	0.17401582	3.1774365	21	3 28.7	18.7
20990 1983 RL_3	14.8	X	284.01076	67.69427	294.81516	3.06642	0.1428765	0.30838385	2.1697430	21	6 15.1	17.0
20991 Jánkollár	13.8	X	42.85593	332.89387	126.49572	11.26064	0.0685325	0.19272373	2.9683328	21	1 9.8	17.6
20992 1985 RV_2	15.4	X	2.03607	210.62022	141.38239	5.89251	0.2414351	0.27591347	2.3367959	21	11 17.6	17.3
20993 1985 RX_2	15.2	X	333.73583	259.46964	67.63986	1.79201	0.2000618	0.27261818	2.3555889	21	7 14.2	17.0
20994 Atreya	14.4	X	113.65290	359.82951	5.17396	3.78480	0.1239617	0.28357789	2.2944986	21	—	—
20995 1985 *VY*	11.7	X	312.88583	10.74238	72.77731	20.36794	0.1151014	0.08574229	5.0933792	21	11 6.1	18.2
20996 1986 *PB*	14.8	X	64.61127	179.47648	151.47299	26.77474	0.0494990	0.37295319	1.9114656	21	—	—
20997 1986 PL_1	13.2	X	35.11037	179.89401	128.20904	6.30697	0.1539921	0.17136845	3.2100772	21	10 11.3	17.4
20998 1986 QF_1	14.9	X	166.78798	15.62120	9.25449	5.26331	0.1389861	0.29885365	2.2156288	21	3 8.5	17.8
20999 1987 *BF*	14.4	X	271.50649	301.68649	293.16144	5.07083	0.1285238	0.28646435	2.2790595	21	—	—
21000 L'Encyclopédie	15.0	X	163.64017	328.82101	136.16443	12.93456	0.2312603	0.24081686	2.5586534	21	6 25.0	19.5
21001 Trogrlic	15.2	X	267.43221	293.52025	177.49187	21.56013	0.3193354	0.27725521	2.3292507	21	9 29.3	17.9
21002 1987 QU_7	14.6	X	66.68023	182.56323	157.15720	7.78322	0.2278549	0.23905135	2.5712359	21	—	—
21003 1987 YV_1	14.2	X	7.55876	274.95796	130.67916	14.43816	0.1641683	0.23324877	2.6137044	21	—	—
21004 1988 BM_4	14.1	X	353.12475	183.86023	249.17838	4.10999	0.2033597	0.23262989	2.6183379	21	—	—
21005 1988 BF_5	14.3	X	200.70419	330.68024	243.82359	10.69445	0.1351119	0.22685412	2.6625939	21	12 11.8	18.4
21006 1988 DG_2	14.9	X	337.47294	321.39821	131.99226	9.72270	0.1355234	0.23239963	2.6200672	21	—	—
21007 1988 FD_3	14.5	X	49.72766	270.00145	327.64833	4.22138	0.0991803	0.30375449	2.1917326	21	7 28.2	16.5
21008 1988 *PE*	14.3	X	132.07993	321.74229	338.14545	9.19010	0.2634142	0.27987570	2.3146887	21	—	—
21009 Agilkia	14.7	X	261.61210	200.50252	155.63141	3.01319	0.1984642	0.26296320	2.4129004	21	5 4.5	18.4
21010 Kishon	15.0	X	268.79371	7.88778	338.79885	7.23272	0.2213569	0.29266442	2.2467570	21	4 20.6	18.4
21011 1988 RP_4	14.1	X	291.36668	96.08560	333.66473	5.19650	0.1196120	0.27060392	2.3672638	21	10 8.3	16.6
21012 1988 RU_9	13.4	X	298.71483	238.59530	167.18772	15.63169	0.0790992	0.17889098	3.1194432	21	9 12.8	17.6
21013 1988 RW_{10}	14.6	X	13.08102	32.49709	334.73514	0.45627	0.1467163	0.18259335	3.0771316	21	11 19.9	18.4
21014 Daishi	13.9	X	324.60715	222.15436	173.57831	1.58475	0.2093153	0.17663825	3.1459094	21	9 27.6	17.1
21015 Shigenari	13.1	X	103.97710	324.85574	24.39218	10.98591	0.1109920	0.18643020	3.0347660	21	—	—
21016 Miyazawaseiroku	14.7	X	220.56581	182.86144	218.87923	11.86219	0.1983116	0.26019609	2.4299772	21	5 23.9	18.7
21017 1988 *VP*	13.1	X	37.92466	346.83285	54.32751	14.36360	0.0661898	0.24386694	2.5372743	21	—	—
21018 1988 VV_1	12.9	X	262.82293	357.23412	302.33266	12.46663	0.2479592	0.19733442	2.9219144	21	2 21.6	17.9
21019 1988 VC_2	13.4	X	315.10932	338.40592	46.25300	6.04836	0.1754805	0.17523390	3.1626948	21	9 1.0	17.2
21020 1988 VH_2	14.0	X	282.18351	290.70587	75.17492	9.57768	0.2153187	0.26248449	2.4158332	21	6 7.1	17.0
21021 1988 XL_2	12.9	X	356.94044	349.03697	44.25233	15.89940	0.2194171	0.17915667	3.1163584	21	11 30.4	16.3
21022 Ike	13.3	X	247.21211	117.04250	110.74006	25.01239	0.2540813	0.24019231	2.5630868	21	—	—
21023 1989 *DK*	12.9	X	280.92816	176.24536	298.31044	11.92708	0.1033959	0.23462284	2.6034897	21	11 18.5	16.3
21024 1989 GD_3	13.9	X	206.70666	48.96106	216.31874	13.46358	0.1679453	0.23545630	2.5973422	21	—	—
21025 1989 SL_2	15.2	X	89.95106	267.08682	106.41650	4.09403	0.1637328	0.28699102	2.2762704	21	—	—
21026 1989 SE_4	16.3	X	272.88112	228.77170	169.56552	5.60505	0.1884893	0.27308983	2.3528759	21	7 14.1	19.4
21027 1989 SR_5	14.3	X	90.07522	311.88741	103.28900	3.22962	0.0760411	0.19677942	2.9274059	21	1 20.8	18.1
21028 1989 *TO*	13.4	X	290.60249	98.69170	340.46454	21.80130	0.2979970	0.27626612	2.3348069	21	9 17.1	15.6
21029 Adorno	14.2	X	216.53961	228.25146	116.10865	3.27033	0.0551821	0.20255849	2.8714576	21	3 19.5	18.3
21030 1989 TZ_{11}	14.9	X	296.93131	280.25664	69.23414	8.44798	0.3622125	0.27302834	2.3532292	21	5 12.5	18.1
21031 1989 TO_{15}	15.7	X	343.46145	221.42636	199.29267	2.58040	0.2308020	0.28069714	2.3101707	21	—	—
21032 1989 TN_{16}	14.6	X	71.18283	325.79456	190.43425	2.29085	0.0815344	0.29762393	2.2217276	21	4 24.2	16.8
21033 Akahirakiyozo	14.4	X	83.69291	22.73518	300.09977	1.68981	0.1834202	0.28279244	2.2987453	21	—	—
21034 1989 WB_3	13.7	X	120.23079	275.68249	67.71766	10.45975	0.0502227	0.19067131	2.9895958	21	—	—
21035 Iwabu	14.6	X	309.92654	351.21216	82.22968	4.77714	0.2477920	0.27524692	2.3405670	21	11 12.9	15.7
21036 Nakamurayoshi	13.1	X	337.59850	191.96692	301.78876	10.57005	0.1549935	0.18636042	3.0355235	21	—	—
21037 1990 *EB*	14.0	X	173.78935	54.34212	149.93691	12.09563	0.1525484	0.26957424	2.3732881	21	11 11.3	17.9
21038 1990 EP_3	13.6	X	129.17165	254.32399	331.20333	5.52464	0.1159440	0.17361903	3.1822759	21	10 9.7	18.6
21039 1990 ES_4	15.1	X	44.54772	345.68986	258.03467	1.46695	0.1633434	0.26052006	2.4279623	21	8 5.3	17.5
21040 1990 *OZ*	14.0	X	38.38188	96.03169	181.64446	12.82382	0.1598581	0.22437103	2.6822023	21	9 9.1	17.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
21041 1990 QO_1	13.1	X	75.21824	263.31431	337.08244	10.12337	0.0484953	0.18908893	3.0062516	21	8 24.5	17.1
21042 1990 QT_7	13.4	X	14.24645	191.66413	239.78966	0.74589	0.1299402	0.16889890	3.2412921	21	—	—
21043 1990 RT_2	13.6	X	330.46862	15.08768	356.42878	12.01565	0.1714165	0.22204747	2.7008813	21	9 15.8	16.1
21044 1990 SE_1	14.2	X	264.69198	304.06249	346.38489	13.00164	0.1733625	0.24240469	2.5474678	21	2 19.2	18.1
21045 1990 SQ_1	13.9	X	26.26479	8.53816	344.26174	11.75242	0.1955746	0.22594380	2.6697408	21	12 6.5	17.4
21046 1990 SH_3	13.8	X	278.92303	255.13662	85.36140	5.56951	0.2738204	0.18461374	3.0546401	21	4 29.7	18.5
21047 Hodierna	12.9	X	330.11217	289.66352	52.19016	4.48569	0.1765185	0.12356845	3.9920654	21	7 27.5	17.7
21048 1990 SV_9	15.8	X	327.79642	196.12341	141.93038	3.48087	0.1105263	0.31581511	2.1355715	21	7 31.5	17.4
21049 1990 SU_{16}	13.6	X	14.78903	174.89461	109.92713	6.21372	0.1276774	0.25337994	2.4733632	21	8 8.5	15.9
21050 Beck	14.5	X	256.21884	27.57523	9.38163	12.87530	0.1921527	0.21646554	2.7471152	21	6 22.5	18.9
21051 1990 UM	14.4	X	253.70552	305.79736	70.30804	10.93246	0.3167013	0.21510915	2.7586512	21	5 14.4	19.2
21052 1990 UG_5	15.1	X	236.96379	206.04460	183.77031	8.70816	0.1566742	0.21346355	2.7728108	21	5 29.5	19.5
21053 1990 VE	13.2	X	242.16776	346.12501	70.38938	6.92450	0.1803338	0.21469731	2.7621779	21	7 4.5	17.6
21054 Ojmjakon	12.6	X	46.14984	203.10278	108.77448	11.56063	0.1014272	0.18878933	3.0094312	21	10 28.9	16.8
21055 1990 YR	12.8	X	243.91126	11.42618	29.34302	7.33648	0.1846000	0.21213089	2.7844116	21	6 14.9	17.3
21056 1991 CA_1	14.8	X	90.00626	305.32996	123.95426	25.55907	0.1068699	0.39156018	1.8504202	21	—	—
21057 Garikisraelian	15.4	X	294.71784	156.17816	17.74835	7.90093	0.0362893	0.28484985	2.2876630	21	—	—
21058 1991 GF_9	15.2	X	203.11445	89.21252	172.29944	4.44092	0.1221247	0.28391038	2.2927069	21	—	—
21059 Penderecki	13.7	X	49.82060	67.20475	42.40732	10.91754	0.0703697	0.19301504	2.9653454	21	2 6.3	17.7
21060 1991 JC	14.7	X	117.20393	193.02955	70.26476	3.46720	0.1924668	0.27474930	2.3433922	21	11 30.3	18.5
21061 1991 JD	14.5	X	97.76230	239.65035	39.07918	2.92813	0.2079348	0.27377387	2.3489551	21	12 2.7	18.1
21062 Iasky	12.4	X	104.45885	222.41809	149.16881	23.57062	0.0342023	0.18535135	3.0465307	21	—	—
21063 1991 JC_2	15.3	X	215.93391	83.83827	125.42893	7.74852	0.2007940	0.28010180	2.3134429	21	12 23.6	18.4
21064 Yangliwei	14.0	X	113.68148	158.34931	81.26825	2.60189	0.1326479	0.17429477	3.1740455	21	10 15.8	18.8
21065 Jamesmelka	12.8	X	147.92562	27.26992	249.67542	16.59639	0.2082713	0.17748031	3.1359510	21	12 26.9	18.2
21066 1991 NG_5	14.9	X	58.01941	358.84117	292.50313	4.33762	0.2258180	0.26826357	2.3810120	21	11 9.8	18.2
21067 1991 PY_1	15.0	X	329.21257	175.27381	118.87026	7.40622	0.1296366	0.25973776	2.4328350	21	5 23.9	17.7
21068 1991 PL_2	15.4	X	299.93295	313.02016	338.50306	4.07399	0.1960744	0.25706822	2.4496486	21	3 22.3	18.7
21069 1991 PY_3	14.7	X	57.76900	17.81002	293.86359	0.81583	0.1031407	0.23591525	2.5939726	21	11 14.8	18.0
21070 1991 PD_6	15.2	X	73.31629	31.99548	334.87456	1.69334	0.1998593	0.24020465	2.5629990	21	—	—
21071 1991 PE_7	13.9	X	165.36055	296.35738	330.27835	14.61444	0.0588909	0.24139129	2.5545926	21	—	—
21072 1991 PU_8	14.6	X	130.61996	330.02697	288.75697	6.77365	0.1614526	0.23873761	2.5734880	21	11 30.3	18.9
21073 Darksky	14.9	X	60.27744	67.35375	295.94538	2.92459	0.2244606	0.23780183	2.5802350	21	—	—
21074 Rügen	14.2	X	354.35998	29.11484	213.97869	7.73567	0.1183951	0.25393881	2.4697329	21	4 22.5	16.7
21075 Heussinger	15.5	X	8.67966	49.06906	258.25659	2.22972	0.1793500	0.26143328	2.4223048	21	9 4.5	17.4
21076 Kokoschka	15.6	X	352.03368	59.07350	278.69509	1.50808	0.2236963	0.26226743	2.4171660	21	9 19.6	17.2
21077 1991 RG_{14}	14.7	X	97.75871	38.34621	341.42787	13.02100	0.1869522	0.24184075	2.5514265	21	—	—
21078 1991 RR_{16}	12.7	X	318.08047	282.70040	23.47009	8.07799	0.0887569	0.15757821	3.3947303	21	5 30.9	17.3
21079 1991 RR_{17}	13.4	X	194.36279	325.03226	7.99433	9.33962	0.1570404	0.21474459	2.7617724	21	2 12.6	18.0
21080 1991 RD_{18}	14.3	X	4.14304	108.82244	157.79030	3.88650	0.0450854	0.25769431	2.4456792	21	6 17.7	17.1
21081 1991 RC_{19}	14.6	X	20.07303	88.43695	299.68953	3.71506	0.2625060	0.23510141	2.5999554	21	—	—
21082 Araimasaru	14.9	X	57.95713	3.29839	45.47443	5.97967	0.3053469	0.23872868	2.5735522	21	—	—
21083 1991 TH_{14}	15.3	X	54.27266	246.45074	121.77148	5.15434	0.2741284	0.23679937	2.5875119	21	—	—
21084 1991 UV_3	14.2	X	166.35049	224.40952	237.55931	8.80637	0.1712501	0.21904369	2.7255169	21	6 21.1	18.7
21085 1991 UL_4	15.1	X	286.85575	316.50414	75.55864	4.88468	0.2246537	0.22528324	2.6749569	21	7 19.7	18.5
21086 1992 AO_1	14.0	X	328.05514	43.02958	61.99678	4.06931	0.2091534	0.26331402	2.4107568	21	—	—
21087 Petsimpallas	13.4	X	32.74810	55.73111	274.05687	11.18470	0.1858881	0.22489227	2.6780563	21	11 13.9	16.8
21088 Chelyabinsk	14.3	X	217.84536	27.14650	297.84614	38.45872	0.2386001	0.44208047	1.7066134	21	1 20.9	16.4
21089 Mochizuki	12.9	X	182.63229	116.32346	133.71653	14.25151	0.1339648	0.22651050	2.6652861	21	—	—
21090 1992 DZ_6	14.4	X	162.58531	251.18485	351.30746	11.75996	0.1390564	0.22283088	2.6945472	21	12 6.1	18.9
21091 1992 DK_8	14.9	X	71.59113	126.71585	217.63507	5.22801	0.1947364	0.29293225	2.2453873	21	—	—
21092 1992 EJ_6	14.7	X	256.20076	275.01504	120.04917	6.16910	0.0289868	0.21385114	2.7694594	21	7 11.8	18.5
21093 1992 EK_6	14.5	X	225.06198	3.74354	95.15483	6.44979	0.0489009	0.21684786	2.7438853	21	8 25.9	18.4
21094 1992 EP_7	14.2	X	184.87197	143.99171	137.80774	13.58399	0.2273783	0.22768617	2.6561032	21	—	—
21095 1992 EG_{11}	13.8	X	113.54706	106.14650	158.55226	13.12150	0.1563425	0.22038538	2.7144439	21	11 23.2	18.4
21096 1992 EZ_{11}	13.8	X	51.71642	191.27107	133.14062	5.51093	0.1419663	0.22142468	2.7059433	21	11 28.1	17.5
21097 1992 ER_{25}	14.0	X	32.31331	298.50291	67.75034	2.71433	0.1784277	0.19089585	2.9872510	21	12 23.2	17.8
21098 1992 EB_{27}	14.7	X	71.86129	137.39619	249.13017	0.77054	0.0781135	0.19651620	2.9300193	21	—	—
21099 1992 GM_2	14.9	X	76.61382	344.07266	301.00774	0.98327	0.0943496	0.31712830	2.1296720	21	11 15.0	17.4
21100 1992 OB	13.4	X	135.01369	230.94880	49.32313	17.68596	0.2064657	0.18127337	3.0920514	21	12 21.2	18.9
21101 1992 OJ_1	13.7	X	179.22150	305.62199	320.23110	23.56405	0.1804268	0.28608163	2.2810916	21	—	—
21102 1992 OF_2	15.5	X	108.97605	16.97174	313.60083	5.48401	0.1350717	0.28415072	2.2914139	21	—	—
21103 1992 OB_3	15.2	X	253.32587	323.99024	305.36558	5.82770	0.1053079	0.29299370	2.2450733	21	1 7.2	18.2
21104 Sveshnikov	13.8	X	338.34491	83.75861	311.45987	21.35473	0.2964219	0.27498736	2.3420396	21	12 4.9	15.7
21105 1992 PU_1	13.8	X	125.42768	73.06567	170.32450	4.03593	0.1408651	0.17721879	3.1390353	21	11 1.1	18.9
21106 1992 PO_2	14.3	X	91.43736	149.42169	208.74171	6.11170	0.1425423	0.28372776	2.2936906	21	—	—
21107 1992 PZ_4	13.1	X	290.98434	163.40020	183.22395	13.45617	0.1917818	0.23409402	2.6074090	21	5 29.9	16.8
21108 1992 QT	14.2	X	118.22908	304.55431	338.01904	26.43542	0.1853795	0.28050654	2.3112170	21	12 30.4	18.5
21109 Sunkel	13.3	X	341.72946	118.52622	356.34435	13.69173	0.1237952	0.17954009	3.1119200	21	—	—
21110 Karlvalentin	15.5	X	354.02942	348.46452	356.93455	2.35302	0.2234478	0.27237343	2.3569999	21	10 11.4	17.1
21111 1992 RP_3	13.9	X	42.09155	305.03716	164.19820	12.83601	0.1589048	0.25388607	2.4700750	21	1 3.2	16.5
21112 1992 RY_3	15.5	X	157.50813	332.76810	332.68130	5.86905	0.1717293	0.28581190	2.2825266	21	—	—
21113 1992 RG_4	15.6	X	323.32437	198.69485	164.81364	6.95776	0.1947912	0.27122656	2.3636395	21	8 20.2	17.4
21114 Bernson	15.4	X	343.27759	42.60087	26.38213	4.42063	0.1124437	0.27820239	2.3239609	21	—	—
21115 1992 RL_7	15.3	X	276.78034	312.15131	111.91224	2.75365	0.1779887	0.27059114	2.3673384	21	8 29.9	17.9
21116 1992 SO	14.4	X	90.69669	79.41629	244.17817	5.75876	0.1641826	0.27900480	2.3195030	21	—	—
21117 Tashimaseizo	14.0	X	12.75629	85.74211	46.88942	3.57116	0.0952224	0.28540079	2.2847180	21	—	—
21118 Hezimmermann	15.7	X	212.39479	60.51312	346.39827	2.04836	0.1958342	0.26317677	2.4115948	21	5 21.9	19.6
21119 1992 UJ	14.9	X	15.90896	96.04765	307.53511	2.36969	0.1853310	0.24300480	2.5432720	21	—	—
21120 1992 WP	14.3	X	10.66209	336.70335	56.75818	13.33383	0.1743520	0.24061085	2.5601137	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
21121 1992 *WV*	14.6	X	221.25692	185.63820	229.07829	5.59304	0.1633103	0.26218116	2.4176962	21	6 11.8	18.4
21122 1992 *YK*	13.4	X	297.76503	83.81621	9.64607	6.94411	0.0654646	0.27033416	2.3688384	21	11 28.9	16.1
21123 1992 YP_2	15.0	X	151.19532	358.19115	84.93700	8.88344	0.1221130	0.25556511	2.4592443	21	5 11.4	18.6
21124 1992 YR_2	14.6	X	147.48181	169.53976	69.09007	5.14220	0.0620194	0.26946842	2.3739093	21	11 26.8	17.8
21125 Orff	14.3	X	216.13449	116.77293	123.53584	7.13166	0.1572719	0.27450582	2.3447777	21	—	—
21126 Katsuyoshi	13.5	X	81.17260	158.60754	122.50849	6.97657	0.1359748	0.26407898	2.4060990	21	11 14.6	17.0
21127 1993 BF_4	14.1	X	284.68015	245.16397	134.24871	13.11160	0.2004811	0.22655946	2.6649020	21	7 2.5	17.8
21128 Chapuis	12.1	X	129.78455	267.12264	316.89528	7.92079	0.1041139	0.12470450	3.9677836	21	10 1.9	18.2
21129 1993 BJ_7	13.6	X	168.49234	103.91630	140.81471	15.22263	0.0771688	0.23431122	2.6057975	21	12 22.2	17.6
21130 1993 *FN*	14.7	X	46.42703	117.53761	6.33404	10.69811	0.2142143	0.24426362	2.5345266	21	2 15.0	16.8
21131 1993 FQ_7	14.2	X	189.59569	124.91659	20.24842	10.84789	0.0388005	0.18879369	3.0093849	21	9 12.1	18.7
21132 1993 FN_{10}	14.1	X	123.99545	268.01944	78.98045	3.14840	0.1021699	0.20123040	2.8840779	21	—	—
21133 1993 FE_{11}	14.6	X	204.98118	311.16101	72.13637	4.54313	0.1009802	0.21377026	2.7701579	21	4 22.3	18.8
21134 1993 FE_{13}	14.7	X	197.66330	356.07410	48.65698	6.10359	0.0710596	0.21534890	2.7566034	21	5 10.4	18.7
21135 1993 FL_{14}	14.3	X	256.30362	171.75662	108.50083	4.58488	0.0825635	0.24217742	2.5490613	21	2 3.8	18.0
21136 1993 FH_{19}	14.3	X	150.58171	349.48797	97.51723	6.79331	0.0961983	0.21498204	2.7597385	21	5 15.6	18.5
21137 1993 FX_{20}	14.1	X	106.01236	153.60555	179.04102	1.90174	0.0874792	0.19748432	2.9204356	21	—	—
21138 1993 FS_{24}	14.9	X	226.80560	210.48271	352.70580	4.50364	0.0821915	0.23232159	2.6206539	21	—	—
21139 1993 FP_{26}	14.9	X	324.88723	191.06529	313.71912	3.01849	0.2351812	0.23785054	2.5798827	21	—	—
21140 1993 FN_{28}	15.5	X	292.20306	198.23279	338.80744	3.98417	0.2115407	0.23660798	2.5889070	21	—	—
21141 1993 FD_{30}	14.9	X	285.62042	107.34820	231.98322	5.19780	0.0922379	0.21631766	2.7483670	21	5 27.6	18.4
21142 1993 FV_{30}	14.8	X	66.94181	45.89520	33.03466	7.19220	0.2497022	0.24271283	2.5453113	21	1 27.8	17.0
21143 1993 FX_{31}	14.2	X	348.57329	242.30674	113.36541	3.89841	0.0988158	0.22350324	2.6891406	21	9 30.4	17.2
21144 1993 FA_{46}	14.9	X	293.26028	182.36382	201.41994	2.55767	0.1177363	0.22196921	2.7015161	21	8 2.6	18.4
21145 1993 FZ_{57}	15.0	X	283.83918	162.21646	216.01441	2.20776	0.1034550	0.22088448	2.7103533	21	7 14.6	18.6
21146 1993 FD_{67}	14.3	X	349.88534	72.50470	276.81011	1.74463	0.2089430	0.22310856	2.6923110	21	9 24.1	16.5
21147 1993 FV_{80}	14.7	X	28.73845	281.87554	45.34470	2.57803	0.1844038	0.22476108	2.6790983	21	11 6.2	17.8
21148 Billramsey	13.8	X	147.61903	36.28924	159.53363	12.89010	0.1868272	0.22346552	2.6894431	21	10 2.4	18.4
21149 Kenmitchell	14.9	X	96.86010	128.39697	170.63351	23.94078	0.0357146	0.36694094	1.9322884	21	—	—
21150 1993 LF_1	13.6	X	295.25891	279.78837	330.61075	12.01155	0.1489111	0.24053163	2.5606757	21	2 3.7	17.3
21151 1993 LO_1	14.2	X	213.31703	293.05827	311.75133	10.73816	0.2657528	0.23225764	2.6211349	21	—	—
21152 1993 MB_1	13.2	X	300.39838	120.99175	131.51029	13.57881	0.1434039	0.23942822	2.5685370	21	2 12.1	16.8
21153 1993 MF_1	13.5	X	343.63911	114.11954	298.57572	12.79709	0.1623849	0.22736825	2.6585786	21	12 13.2	16.3
21154 1993 NS_1	14.1	X	352.91797	270.86660	117.12123	8.68726	0.2649367	0.18086590	3.0966937	21	11 24.8	17.1
21155 1993 NW_1	14.2	X	244.80688	75.20935	215.12627	1.53290	0.0361650	0.19981712	2.8976611	21	2 12.6	18.4
21156 1993 QP_7	15.2	X	249.43827	284.34096	142.56496	6.35818	0.0730284	0.27952133	2.3166446	21	8 11.3	18.1
21157 1993 RC_5	13.9	X	294.15092	176.10927	212.40836	2.89900	0.1004340	0.17195836	3.2027314	21	8 10.2	18.2
21158 1993 RP_{18}	15.8	X	175.65596	249.82686	214.21353	2.27450	0.0347544	0.31118721	2.1566925	21	6 30.4	18.3
21159 1993 ST_5	15.0	X	33.11811	95.03642	193.77539	1.61097	0.1502699	0.31662260	2.1319390	21	9 28.3	16.8
21160 Saveriolombardi	13.1	X	303.50765	318.53326	205.45087	9.65255	0.0558230	0.18806744	3.0171273	21	—	—
21161 Yamashitaharuo	12.8	X	330.82440	354.07044	33.00827	13.83995	0.0456195	0.17462602	3.1700302	21	10 9.4	17.0
21162 1993 TW_{16}	14.5	X	207.22088	140.31967	146.73072	2.88887	0.1546193	0.19065094	2.9898088	21	1 1.5	19.4
21163 1993 TJ_{24}	15.6	X	224.01226	264.86756	123.20060	2.25650	0.1184342	0.30720080	2.1753100	21	5 11.1	18.5
21164 1993 UZ_7	13.0	X	319.51062	265.27764	143.62416	7.35795	0.1255894	0.17443745	3.1723145	21	10 15.5	16.9
21165 1993 VF_2	15.0	X	187.32307	325.51905	74.21263	3.86631	0.1665758	0.30322546	2.1942812	21	4 19.4	18.2
21166 Nobuyukishouji	15.5	X	119.20181	306.90027	135.84232	5.38792	0.1572843	0.29864015	2.2166847	21	4 3.6	18.2
21167 1993 *XQ*	13.9	X	208.78095	182.26723	222.66696	1.20167	0.1019567	0.19712690	2.9239647	21	5 22.9	18.4
21168 1994 AC_8	15.2	X	349.97913	129.32048	96.76663	4.39629	0.1284081	0.29492111	2.2352811	21	3 13.7	17.3
21169 1994 AG_{10}	16.4	X	199.67337	196.91328	3.08288	2.49737	0.1471970	0.27737281	2.3285923	21	11 29.0	19.8
21170 1994 AL_{10}	15.4	X	332.99498	101.56351	97.31128	5.58843	0.1425296	0.29028988	2.2589925	21	1 2.8	18.1
21171 1994 CG_1	14.6	X	256.49598	286.77297	10.91374	5.00332	0.1980449	0.29141240	2.2531877	21	2 12.0	18.2
21172 1994 CK_{10}	15.2	X	31.53702	354.85311	92.41271	3.67221	0.0969429	0.28552956	2.2840310	21	—	—
21173 1994 CU_{10}	14.8	X	11.50656	326.03197	127.58287	6.31319	0.0295135	0.28340433	2.2954353	21	—	—
21174 1994 CG_{12}	14.7	X	2.24944	215.74506	58.73008	3.28053	0.1559152	0.26262915	2.4149461	21	6 25.9	16.5
21175 1994 CP_{12}	15.0	X	280.77166	224.97062	4.36920	3.08937	0.1366035	0.28595680	2.2817554	21	—	—
21176 1994 CN_{13}	14.5	X	247.91994	260.27166	64.96539	3.63640	0.1879011	0.25650310	2.4532453	21	3 15.2	18.4
21177 1994 CC_{17}	15.7	X	248.73930	53.12299	64.58868	3.02665	0.1627483	0.27393431	2.3480378	21	10 8.4	18.6
21178 1994 CJ_{17}	15.0	X	245.58766	280.53162	117.78791	7.36221	0.1267670	0.26597337	2.3946605	21	6 19.7	18.3
21179 1994 CL_{18}	15.4	X	320.56987	281.53692	119.11234	7.08428	0.0783003	0.27299260	2.3534346	21	10 27.0	17.9
21180 1994 *DC*	14.4	X	84.94398	243.65201	354.39806	8.91024	0.1999123	0.26592866	2.3949289	21	9 27.8	17.8
21181 1994 EB_2	13.9	X	126.80890	48.62424	132.80796	23.06958	0.2283884	0.26569481	2.3963339	21	9 1.1	17.9
21182 1994 EC_2	13.6	X	54.86038	39.41981	13.45861	25.22377	0.2546954	0.28400067	2.2922209	21	—	—
21183 1994 EO_2	14.2	X	10.12779	77.57599	4.20571	23.08301	0.2840243	0.28321613	2.2964521	21	—	—
21184 1994 EC_5	14.7	X	317.92183	328.77460	345.46911	6.12484	0.0616280	0.26274842	2.4142152	21	6 10.8	17.6
21185 1994 EH_6	15.7	X	280.13506	93.53930	17.03049	7.07492	0.0466745	0.27564997	2.3382849	21	11 28.8	18.5
21186 1994 EO_6	14.7	X	316.24537	317.82044	73.85867	5.08262	0.0987869	0.27160363	2.3614514	21	10 3.7	17.0
21187 Setsuo	14.3	X	192.27658	138.49899	41.21427	12.06081	0.1089345	0.27123226	2.3636064	21	10 29.8	17.7
21188 Kiyohiro	14.0	X	278.15972	203.85140	71.84489	5.54201	0.1394365	0.28833574	2.2691876	21	2 10.7	17.2
21189 1994 *JB*	15.1	X	192.85274	223.11668	65.84436	3.15415	0.1930543	0.24282586	2.5445213	21	—	—
21190 1994 *JQ*	15.0	X	71.50503	7.59420	39.85601	2.32550	0.0517913	0.24384499	2.5374266	21	—	—
21191 1994 JL_6	15.1	X	196.43586	103.03209	200.31415	2.32290	0.0137378	0.24502477	2.5292751	21	—	—
21192 Seccisergio	14.8	X	36.57764	154.31867	113.14263	7.19681	0.1107104	0.25736329	2.4477759	21	8 20.9	17.5
21193 1994 PJ_1	14.5	X	253.21645	136.61630	141.80466	13.93006	0.1378611	0.24202447	2.5501352	21	1 24.3	18.6
21194 1994 PN_1	13.1	X	225.31183	308.14670	108.71144	24.70776	0.1962789	0.21144515	2.7904285	21	6 19.7	17.8
21195 1994 PK_4	14.4	X	54.02466	254.41851	337.06185	2.63409	0.1362866	0.21683668	2.7439796	21	7 28.7	17.7
21196 1994 PU_5	14.5	X	88.87186	187.91148	149.75738	9.86649	0.0688826	0.19291288	2.9663921	21	—	—
21197 1994 PS_7	14.9	X	227.22388	143.02639	230.86128	1.71242	0.0971064	0.21015896	2.8018020	21	5 2.6	19.1
21198 1994 PX_7	15.0	X	279.83109	45.09097	295.48290	1.87010	0.1023762	0.21268471	2.7795759	21	5 19.6	18.8
21199 1994 PV_8	15.3	X	169.82402	306.21272	147.01780	5.26142	0.1194022	0.28519847	2.2857984	21	6 11.2	18.7
21200 1994 PU_{10}	14.8	X	40.59243	118.65549	151.16679	6.53076	0.0081081	0.21749570	2.7384339	21	8 11.7	18.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
21201 1994 PO_{18}	14.5	X	78.84605	259.82086	155.78992	2.33915	0.0548828	0.19861201	2.9093706	21	1 2.9	18.3
21202 1994 PW_{19}	14.8	X	97.57939	301.21010	11.52771	0.65661	0.1261594	0.19142249	2.9817696	21	12 25.3	19.3
21203 1994 PP_{20}	14.5	X	232.07601	199.55893	137.81874	3.14215	0.2314325	0.17178694	3.2048617	21	3 20.9	19.9
21204 1994 PH_{26}	13.9	X	40.79339	45.07586	52.31259	2.68970	0.0296280	0.20009630	2.8949652	21	1 2.3	17.8
21205 1994 PV_{27}	14.4	X	276.39522	45.92079	131.47291	6.66546	0.1570749	0.23324573	2.6137271	21	—	—
21206 1994 PT_{28}	14.4	X	40.23512	332.77350	87.69736	2.74146	0.0522041	0.19575965	2.9375635	21	—	—
21207 1994 PH_{29}	14.2	X	70.75567	161.12529	93.30861	3.22396	0.0429730	0.21953288	2.7214665	21	9 8.5	17.8
21208 1994 PW_{29}	14.1	X	79.33194	211.99173	183.62930	10.54242	0.1283339	0.19612662	2.9338980	21	—	—
21209 1994 PO_{30}	14.2	X	193.26401	152.49641	204.43533	4.60568	0.1215741	0.20473373	2.8510825	21	3 7.7	18.6
21210 1994 PA_{31}	13.7	X	175.52913	230.01366	171.48770	13.74947	0.0729761	0.17079012	3.2173197	21	4 18.4	18.6
21211 1994 PP_{36}	13.8	X	318.24743	132.65719	325.90608	8.56341	0.0295178	0.19216106	2.9741244	21	12 20.9	18.0
21212 1994 PG_{39}	14.4	X	0.02536	37.72119	219.65994	0.63421	0.1429892	0.17753863	3.1352641	21	5 30.5	17.9
21213 1994 RL_{7}	14.4	X	192.83850	171.00227	322.52882	1.87381	0.2046417	0.21433750	2.7652683	21	8 22.4	19.1
21214 1994 RN_{7}	14.7	X	182.01015	123.80256	342.73426	3.31663	0.0461239	0.21269111	2.7795202	21	7 12.8	18.7
21215 1994 UQ	13.4	X	178.52823	198.07838	61.37468	13.78168	0.1306570	0.22486919	2.6782395	21	—	—
21216 1994 UZ_{1}	12.9	X	102.23695	32.30292	51.02310	13.26596	0.0770277	0.19917008	2.9039334	21	3 19.2	17.1
21217 1994 VM_{1}	13.9	X	341.03653	242.78495	179.51172	4.68980	0.1845964	0.18332112	3.0689823	21	12 9.5	17.2
21218 1994 VP_{7}	13.5	X	35.01804	10.90160	57.19503	13.44611	0.1799790	0.19001855	2.9964386	21	—	—
21219 Mascagni	13.8	X	319.67709	322.91861	115.82341	2.43000	0.1328739	0.18217672	3.0818214	21	11 22.2	17.3
21220 1994 WE_{4}	13.3	X	132.91091	266.86332	65.79328	11.08316	0.1078927	0.18922209	3.0048410	21	—	—
21221 1994 YM_{1}	13.4	X	221.37392	207.34795	91.35419	11.75641	0.0840626	0.19146783	2.9812988	21	1 29.8	18.0
21222 1995 BT	13.1	X	278.71173	83.50148	316.46519	21.04506	0.1047760	0.16886006	3.2417891	21	8 5.3	17.5
21223 1995 DL	13.4	X	215.83926	201.02343	348.20645	4.28461	0.1055110	0.17504988	3.1649110	21	11 21.1	18.3
21224 1995 DM_{6}	13.0	X	312.23354	108.13787	348.56894	21.40800	0.0444626	0.17568947	3.1572252	21	12 1.8	17.8
21225 1995 GQ_{1}	15.2	X	170.31389	211.98366	60.39340	4.58726	0.1153543	0.28747388	2.2737207	21	—	—
21226 1995 ON_{6}	16.0	X	211.40928	26.48613	184.08396	6.17188	0.1099996	0.27918184	2.3185223	21	12 31.3	19.2
21227 1995 QS	14.5	X	279.18358	214.07452	59.04358	5.17393	0.1581805	0.29201716	2.2500757	21	2 5.8	17.7
21228 1995 SC	15.1	X	214.86830	75.70242	317.28728	28.32171	0.4010708	0.21525998	2.7573625	21	4 19.3	21.1
21229 Sušil	15.9	X	27.88177	268.47973	84.78163	1.14058	0.0835438	0.23049914	2.6344493	21	11 25.4	19.1
21230 1995 SK_{3}	14.8	X	317.91760	178.21587	94.43682	3.57420	0.1669488	0.25561800	2.4589050	21	3 28.9	17.6
21231 1995 SC_{17}	14.3	X	36.98417	111.81092	172.45784	4.42176	0.2448307	0.22822081	2.6519534	21	10 2.7	17.4
21232 1995 SH_{26}	14.9	X	201.83962	311.04031	353.63567	1.73737	0.1307444	0.24495575	2.5297501	21	1 8.4	18.7
21233 1995 UU_{3}	14.5	X	271.06927	49.39124	28.79447	4.02455	0.1988574	0.22322582	2.6913680	21	9 3.9	18.0
21234 Nakashima	14.1	X	350.95183	299.09395	68.00205	14.05229	0.1888089	0.22584202	2.6705429	21	10 29.9	16.8
21235 1995 WG_{2}	13.8	X	255.69658	258.44711	247.44486	10.67928	0.1105350	0.22667362	2.6640072	21	11 23.4	17.1
21236 1995 WE_{3}	14.9	X	348.08010	133.12809	65.53673	4.39731	0.0931335	0.24338415	2.5406286	21	2 14.5	18.0
21237 Suematsu	14.0	X	324.32778	289.28757	149.41788	4.38896	0.1531822	0.22908559	2.6452752	21	12 12.8	16.6
21238 Panarea	13.2	X	90.21983	31.17244	73.71697	11.45139	0.1084834	0.24323478	2.5416686	21	3 29.1	16.6
21239 1995 WP_{17}	15.0	X	118.28380	317.00007	17.78250	3.96510	0.2983160	0.23902252	2.5714426	21	—	—
21240 1995 WP_{22}	15.0	X	45.90962	13.05396	253.38530	1.66909	0.1976735	0.26254065	2.4154887	21	9 16.1	17.6
21241 1995 WN_{33}	14.2	X	338.15214	270.21508	207.79944	12.56483	0.1224995	0.23532654	2.5982969	21	—	—
21242 1995 WZ_{41}	13.6	X	79.52959	149.19157	236.88041	23.41491	0.2810168	0.27511763	2.3413002	21	—	—
21243 1995 XG_{1}	13.8	X	325.95508	304.41568	276.04208	12.80341	0.1334120	0.24133702	2.5549755	21	1 30.9	17.2
21244 1995 XU_{1}	14.9	X	313.07190	126.36210	186.67232	2.00338	0.1902406	0.26113782	2.4241316	21	5 12.2	17.6
21245 1995 XQ_{4}	15.0	X	231.63925	254.17206	117.91733	5.39618	0.0839781	0.21266046	2.7797872	21	5 8.0	19.1
21246 1995 YF_{1}	13.4	X	28.58779	357.19864	267.66467	8.15842	0.1126576	0.21230699	2.7828718	21	7 27.9	16.7
21247 1995 YJ_{1}	13.5	X	158.63933	236.51446	128.64992	2.96373	0.0853616	0.20012970	2.8946431	21	2 11.0	17.8
21248 1995 YP_{1}	13.4	X	359.54232	11.46789	265.04520	5.51254	0.0166971	0.21108049	2.7936414	21	6 25.6	16.9
21249 1995 YX_{1}	14.7	X	86.23261	270.94391	218.32543	2.20798	0.1019174	0.28192279	2.3034702	21	4 12.8	17.2
21250 Kamikouchi	14.7	X	273.41867	314.82164	68.14701	12.39005	0.1262132	0.21858812	2.7293025	21	7 3.7	18.6
21251 1995 YX_{3}	14.1	X	262.96631	254.37884	105.82159	13.48296	0.1483433	0.21216746	2.7840917	21	5 22.7	18.4
21252 1995 YP_{8}	13.9	X	8.83727	64.14191	241.52872	21.91799	0.0544296	0.22019022	2.7160475	21	8 9.0	17.9
21253 1996 AX_{3}	13.6	X	216.34397	266.61827	331.69965	5.32567	0.0759944	0.22768007	2.6561507	21	—	—
21254 Jonan	13.4	X	303.45909	128.88731	329.17203	21.47497	0.0579200	0.22576708	2.6711338	21	12 3.0	17.2
21255 1996 CD_{2}	13.4	X	159.35852	324.37254	304.16654	12.34092	0.1372413	0.22351147	2.6890746	21	—	—
21256 Robertobattiston	14.0	X	127.00718	101.53205	77.85819	2.14996	0.1818623	0.17038301	3.2224426	21	8 20.8	19.2
21257 Jižní Čechy	14.3	X	66.60205	299.77256	142.76336	12.75174	0.0195698	0.19502641	2.9449218	21	1 17.2	18.3
21258 Huckins	13.2	X	149.96709	41.29934	197.43414	14.71587	0.1643267	0.17553170	3.1591167	21	11 17.9	18.5
21259 1996 ED_{4}	13.5	X	139.65087	322.41332	358.91779	10.08932	0.0653472	0.18646345	3.0344052	21	—	—
21260 1996 FE	15.4	X	268.02342	245.88338	206.24843	22.68837	0.0942690	0.36821306	1.9278353	21	10 27.3	16.6
21261 1996 FF	14.6	X	202.63780	273.38871	203.58572	20.62556	0.0881556	0.36374408	1.9435934	21	8 18.9	17.4
21262 Kanba	13.5	X	189.35234	47.74141	180.76096	8.38747	0.2426626	0.17732483	3.1377838	21	12 4.9	19.0
21263 1996 HJ_{11}	14.9	X	271.56272	312.01855	227.50447	4.04499	0.0969408	0.29995520	2.2102011	21	—	—
21264 1996 HT_{16}	14.4	X	193.25620	217.27143	181.51790	1.72787	0.0577544	0.19693339	2.9258798	21	4 29.7	18.6
21265 1996 HJ_{23}	14.9	X	265.13193	212.27067	142.22500	3.09103	0.2629990	0.27503265	2.3417824	21	4 28.7	18.4
21266 1996 HL_{25}	15.0	X	51.38149	152.78378	116.34408	1.51788	0.0639699	0.28366971	2.2940035	21	9 9.8	17.6
21267 1996 JU_{5}	15.8	X	57.41843	130.41022	193.93417	5.17836	0.1468489	0.28996829	2.2606624	21	12 17.1	18.8
21268 1996 KL_{1}	13.7	X	197.92262	141.34361	125.62202	17.95994	0.2969292	0.18013469	3.1050682	21	—	—
21269 Bechini	14.7	X	31.01510	105.19434	256.57587	6.32976	0.1940115	0.28764386	2.2728249	21	—	—
21270 Otokar	15.7	X	217.99106	210.28262	126.11005	7.39734	0.2242459	0.30245052	2.1980277	21	2 25.6	19.3
21271 1996 RF_{33}	11.8	X	300.13942	351.56631	112.76542	6.68969	0.0073168	0.08444448	5.1454322	21	11 19.4	18.7
21272 1996 SA_{1}	15.1	X	103.09419	87.46996	11.60181	9.15255	0.1008102	0.29870578	2.2163600	21	3 24.3	17.5
21273 1996 SW_{2}	15.5	X	8.63325	127.70365	9.28400	1.89139	0.1410864	0.29337952	2.2431046	21	—	—
21274 1996 SG_{4}	15.2	X	322.12151	172.82120	273.86029	3.09753	0.2076905	0.23808817	2.5781658	21	12 23.1	17.0
21275 Tosiyasu	15.9	X	288.98133	293.70555	39.23107	1.14946	0.1849264	0.30715457	2.1755283	21	5 2.1	18.5
21276 Feller	16.2	X	35.25163	211.65281	194.98566	4.12550	0.1411734	0.28532894	2.2851015	21	—	—
21277 1996 TO_{5}	16.1	X	244.32660	250.14565	167.38041	20.95214	0.5205339	0.26897775	2.3767955	21	6 12.9	21.3
21278 1996 TG_{6}	14.8	X	286.07801	221.65911	350.35759	5.73207	0.1293932	0.28827394	2.2695119	21	—	—
21279 1996 TS_{10}	14.9	X	192.90025	357.25215	38.66843	5.66830	0.1421211	0.30173486	2.2015019	21	4 18.5	18.0
21280 1996 TL_{11}	15.4	X	297.80956	268.28043	32.51691	4.50792	0.1399455	0.30441059	2.1885823	21	4 5.8	18.1

Planet		H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
		m		°	°	°	°		°				
21281	1996 TX_{14}	15.2	X	16.13638	66.39524	359.94633	6.59358	0.1515614	0.28476594	2.2881124	21	—	—
21282	Shimizuyuka	13.5	X	347.58311	259.37994	200.54210	21.87862	0.2060708	0.28201088	2.3029905	21	—	—
21283	1996 TY_{46}	15.3	X	241.43808	116.63975	280.94732	0.34137	0.0399660	0.26606544	2.3941080	21	6 23.8	18.4
21284	Pandion	11.5	X	10.89951	183.73944	183.95945	7.03889	0.1027682	0.08270494	5.2173311	21	10 27.2	17.9
21285	1996 UZ	14.6	X	341.53872	250.82243	218.98298	3.91874	0.1088535	0.28323045	2.2963747	21	—	—
21286	1996 UB_1	14.9	X	240.14897	354.90467	45.29044	6.01078	0.1397506	0.30570049	2.1824215	21	6 12.6	17.9
21287	1996 UU_3	16.2	X	72.09544	149.76356	5.00527	1.53226	0.0861616	0.30026267	2.2086920	21	4 23.0	18.4
21288	1996 VW	15.4	X	99.27636	200.40332	220.44782	3.48411	0.1212846	0.29273862	2.2463773	21	1 23.9	17.7
21289	Giacomel	15.5	X	345.67236	211.24770	229.14444	5.85785	0.0723567	0.28161337	2.3051571	21	—	—
21290	Vydra	15.0	X	291.68322	273.89478	58.29608	15.36066	0.0536298	0.22561913	2.6723014	21	5 30.4	18.5
21291	1996 VG_6	15.7	X	229.89534	91.28454	65.62896	7.30411	0.0460168	0.27490427	2.3425115	21	11 22.9	18.3
21292	1996 VQ_8	14.8	X	200.17812	189.40151	183.69574	3.16725	0.2014000	0.25977436	2.4326065	21	3 30.7	18.7
21293	1996 VS_8	14.8	X	73.83096	253.59471	84.27944	5.34252	0.2351951	0.28308991	2.2971346	21	—	—
21294	1996 VZ_8	14.9	X	111.28671	223.82269	144.05551	1.98344	0.1608875	0.28877813	2.2668695	21	—	—
21295	1996 VN_{14}	15.5	X	8.77717	31.73294	46.87295	7.46531	0.0714688	0.28397088	2.2923812	21	—	—
21296	1996 VV_{19}	15.1	X	80.73056	295.22823	64.94823	4.21079	0.1625838	0.28483981	2.2877168	21	—	—
21297	1996 VW_{29}	14.8	X	154.05889	266.60872	60.50920	5.15193	0.1375418	0.29011308	2.2599102	21	—	—
21298	1996 VX_{29}	14.6	X	147.10657	80.17712	60.62653	6.18398	0.0353089	0.30651924	2.1785334	21	7 16.8	17.2
21299	1996 WC	14.8	X	286.70215	44.57522	36.19224	4.63812	0.2493301	0.23247066	2.6195335	21	9 23.3	17.6
21300	1996 WA_1	14.3	X	42.60851	189.86589	285.88993	2.48509	0.0859891	0.28889593	2.2662532	21	1 4.5	16.5
21301	Zanin	14.5	X	224.69237	11.92182	238.59347	5.38069	0.0909963	0.28526092	2.2854648	21	—	—
21302	Shirakamisanchi	15.2	X	82.18935	61.86274	250.11194	4.22530	0.1072577	0.27829449	2.3234481	21	12 22.1	18.2
21303	1996 XJ_1	14.5	X	255.11547	249.65943	78.95243	3.61982	0.1895263	0.25711797	2.4493326	21	3 25.9	18.4
21304	1996 XL_1	14.2	X	355.21607	338.17179	87.79818	7.64417	0.0736849	0.27767823	2.3268845	21	—	—
21305	1996 XP_1	15.4	X	213.10705	206.51830	244.76044	5.86900	0.1963336	0.26503661	2.4002997	21	7 18.5	19.2
21306	Marani	14.0	X	109.34060	350.95142	74.72616	14.70612	0.1467976	0.21236937	2.7823268	21	3 15.3	18.1
21307	1996 XG_3	15.0	X	27.79639	359.44978	53.31170	4.64176	0.1598923	0.28148228	2.3058728	21	—	—
21308	1996 XG_5	15.2	X	278.94201	24.47503	61.31626	3.18896	0.1044518	0.27204642	2.3588883	21	10 17.0	17.7
21309	1996 XH_5	15.1	X	249.54191	66.66922	351.91180	6.86065	0.0774496	0.26678953	2.3897742	21	7 31.6	18.2
21310	1996 XM_5	14.4	X	318.10826	291.46508	292.82506	3.89893	0.1093889	0.28943910	2.2634171	21	1 22.6	17.2
21311	Servius	15.2	X	128.54668	337.59515	100.30426	6.59739	0.0954310	0.29676625	2.2260062	21	4 1.5	18.0
21312	1996 XF_{14}	15.0	X	169.18017	76.69904	203.68460	1.74252	0.2170065	0.27733652	2.3287954	21	—	—
21313	Xiuyanyu	14.3	X	4.92650	344.61567	285.72987	5.58345	0.1639973	0.30019080	2.2090445	21	6 24.6	15.7
21314	1996 XG_{15}	15.3	X	140.99599	256.60237	279.08184	3.29205	0.1284312	0.26330934	2.4107853	21	8 28.7	18.9
21315	1996 XN_{17}	14.7	X	8.99875	356.85575	66.20731	13.79195	0.1686315	0.24155832	2.5534148	21	—	—
21316	1996 XY_{17}	15.0	X	171.69927	164.69134	252.00171	5.71623	0.1004226	0.29922124	2.2138138	21	4 19.8	18.0
21317	1996 XV_{18}	15.6	X	49.75040	222.44056	216.47908	3.62082	0.0384275	0.24325019	2.5415613	21	—	—
21318	1996 XU_{26}	14.6	X	124.06502	76.12836	333.78339	7.22659	0.0877955	0.29585168	2.2305914	21	2 10.8	17.1
21319	1996 XX_{26}	14.2	X	85.93810	119.57303	105.13061	11.68419	0.2247283	0.25923300	2.4359920	21	9 20.5	18.0
21320	1996 XF_{31}	13.9	X	9.55881	114.51795	275.92161	14.69701	0.1994459	0.23625293	2.5915002	21	—	—
21321	1997 AN_2	14.6	X	63.71325	51.56841	331.26454	6.37619	0.1211073	0.27992855	2.3143973	21	—	—
21322	1997 AV_2	15.0	X	159.25138	83.69970	68.71143	2.96732	0.2876698	0.22073573	2.7115709	21	8 20.5	19.9
21323	1997 AZ_3	13.9	X	275.82177	29.49758	127.99139	15.48802	0.0432924	0.23546422	2.5972840	21	—	—
21324	1997 AY_5	15.3	X	326.75814	184.73155	276.71941	5.90921	0.1514587	0.24034063	2.5620322	21	—	—
21325	1997 AB_6	15.0	X	32.23700	182.33555	292.78325	3.50978	0.0641968	0.28941495	2.2635430	21	—	—
21326	Nitta–machi	14.2	X	121.50247	329.84651	354.97558	4.44508	0.0965592	0.23752442	2.5822436	21	—	—
21327	Yabuzuka	14.4	X	237.86556	76.30814	348.81547	8.20327	0.0891591	0.26256750	2.4153240	21	7 24.0	17.8
21328	Otashi	14.5	X	231.97590	107.63824	54.35606	7.17546	0.0432925	0.27167142	2.3610585	21	12 1.5	17.5
21329	1997 AP_{15}	14.9	X	144.52568	271.48583	318.16333	7.24028	0.1779422	0.26845332	2.3798899	21	11 8.9	18.9
21330	Alanwhitman	14.5	X	80.50333	57.61974	295.41155	4.32082	0.0956866	0.23612973	2.5924015	21	—	—
21331	Lodovicoferrari	15.1	X	214.10312	317.57914	324.44178	5.27954	0.2267067	0.23903750	2.5713352	21	—	—
21332	1997 BX	15.0	X	264.81576	303.46105	115.34494	3.47544	0.1549072	0.26597462	2.3946530	21	8 7.9	17.9
21333	1997 BM_2	14.5	X	101.15668	259.82275	328.82146	22.61566	0.1324931	0.26195750	2.4190721	21	9 16.9	18.3
21334	1997 BO_2	15.2	X	124.78475	188.91235	4.54493	4.99354	0.1416321	0.26081464	2.4261337	21	9 7.4	18.7
21335	1997 BO_3	13.7	X	42.00320	43.71326	82.98927	3.64639	0.0773080	0.24516261	2.5283269	21	2 1.5	16.5
21336	Andyblanchard	14.8	X	47.83225	188.83574	155.42608	1.71263	0.0271537	0.23068807	2.6330107	21	12 2.4	18.1
21337	1997 BN_9	13.8	X	28.45781	217.56679	201.28134	9.66665	0.0762275	0.19207087	2.9750554	21	—	—
21338	1997 CZ	14.1	X	321.96834	267.98395	119.12171	7.14958	0.0913951	0.26551019	2.3974446	21	10 7.7	16.6
21339	1997 CL_1	15.3	X	163.33808	22.18177	80.29687	3.54625	0.1589588	0.25673648	2.4517583	21	6 18.3	19.0
21340	1997 CS_{19}	14.6	X	50.28187	135.68967	77.38139	5.38222	0.1229510	0.25346207	2.4728289	21	6 23.4	17.3
21341	1997 CV_{19}	14.0	X	123.67217	132.50151	126.85820	6.69188	0.0918529	0.26679952	2.3897145	21	11 28.5	17.5
21342	1997 CS_{28}	14.8	X	49.22732	292.13133	80.43254	3.66997	0.0708506	0.23375852	2.6099033	21	—	—
21343	1997 EF	14.4	X	107.43389	129.15940	72.37772	3.90361	0.1389047	0.25806565	2.4433326	21	8 30.9	17.9
21344	1997 EM	14.5	X	52.71590	198.95839	70.80804	3.74449	0.1460963	0.21808725	2.7334798	21	9 20.6	18.0
21345	1997 ED_3	14.4	X	273.21913	40.57703	120.38521	12.56879	0.1188873	0.22914487	2.6448190	21	—	—
21346	Marieladislav	13.3	X	135.67759	270.01226	55.17606	15.43436	0.1489455	0.23361482	2.6109735	21	—	—
21347	1997 EO_{11}	13.9	X	263.22729	314.14116	111.79417	14.20722	0.1628263	0.22293148	2.6937365	21	8 13.9	17.7
21348	Toyoteru	14.5	X	343.53621	273.81681	140.43310	15.05378	0.0857869	0.23229536	2.6208511	21	12 12.9	17.8
21349	Bevoke	13.9	X	344.42063	273.00748	23.47762	0.93294	0.1737019	0.17231848	3.1982677	21	6 22.7	17.5
21350	Billgardner	14.8	X	246.42502	69.11617	5.95542	4.03343	0.0901535	0.21924731	2.7238292	21	8 14.7	18.5
21351	Bhagwat	14.2	X	41.54624	68.51965	332.84946	12.63982	0.1847194	0.23817624	2.5775302	21	—	—
21352	1997 EB_{57}	14.0	X	130.27475	198.36956	148.52870	2.56043	0.1022759	0.19400924	2.9552061	21	—	—
21353	1997 FG	13.1	X	76.25856	118.93809	121.51460	15.08668	0.1336170	0.17417542	3.1754953	21	9 9.6	17.8
21354	1997 FM	14.0	X	125.43950	161.56841	119.84477	13.71373	0.1345529	0.22401417	2.6850501	21	12 21.3	18.4
21355	Pikovskaya	14.3	X	147.64821	147.46111	194.61596	1.58232	0.1189979	0.19474250	2.9477833	21	1 6.8	18.6
21356	Karlplank	14.3	X	50.64632	136.56389	195.58069	4.52430	0.0320603	0.22431722	2.6826312	21	11 20.5	17.9
21357	Davidying	14.5	X	305.46460	278.92049	319.84500	1.13630	0.0060065	0.20193163	2.8773972	21	2 26.0	18.3
21358	Mijerbarany	14.5	X	64.96919	190.00991	62.36896	1.43288	0.0520943	0.21621048	2.7492753	21	8 29.1	18.1
21359	Geng	14.4	X	332.30252	239.51949	295.47239	0.74668	0.0266144	0.19565869	2.9385740	21	1 10.6	18.4
21360	Bobduff	13.8	X	16.03119	61.70533	200.95175	0.51056	0.1199459	0.17255240	3.1953765	21	7 5.2	17.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
21361 Carsonmark	14.0	X	232.07245	216.94587	210.63070	5.94801	0.0936349	0.25466590	2.4650299	21	7 15.7	17.5
21362 Dickarmstrong	15.4	X	41.49994	350.91220	147.68209	3.37207	0.0956712	0.19967375	2.8990480	21	2 26.8	18.7
21363 Jotwani	14.6	X	356.29421	79.74349	39.22436	9.87030	0.0365510	0.19227086	2.9729920	21	—	—
21364 Lingpan	14.7	X	188.12694	315.42461	235.25743	1.17147	0.1405673	0.22268644	2.6957122	21	10 30.5	19.0
21365 1997 JS_7	14.1	X	225.26649	31.89689	170.76183	12.98362	0.1218599	0.22815691	2.6524485	21	12 25.8	18.1
21366 1997 JT_{15}	12.9	X	218.34889	207.56976	115.84849	3.10076	0.0302911	0.19794398	2.9159127	21	2 24.7	17.2
21367 Edwardpleva	13.3	X	285.94513	345.65138	199.18556	12.78189	0.0585678	0.19002376	2.9963838	21	—	—
21368 Shiodayama	12.9	X	327.18365	347.07994	138.85160	11.29138	0.0576255	0.18782342	3.0197400	21	—	—
21369 Gertfinger	13.6	X	347.83768	328.79384	119.85096	12.74058	0.1058197	0.18591990	3.0403166	21	—	—
21370 1997 TB_{28}	11.6	X	274.97209	48.23518	77.20362	7.75299	0.0735635	0.08328624	5.1930264	21	11 6.6	18.4
21371 1997 TD_{28}	11.8	X	260.84804	55.36646	61.32111	7.86969	0.0718522	0.08245617	5.2278198	21	10 13.5	18.7
21372 1997 TM_{28}	11.8	X	277.76679	274.68547	188.63859	11.05436	0.0290463	0.08331925	5.1916550	21	10 21.4	18.7
21373 1997 VF_6	12.9	X	174.73759	272.74905	251.22947	11.53720	0.1305632	0.23768426	2.5810858	21	9 10.5	17.2
21374 1997 WS_{22}	17.4	X	342.34611	197.21259	59.21083	23.97973	0.1205186	0.68913534	1.2694035	21	1 9.6	18.2
21375 Fanshawe	15.8	X	12.12104	293.94225	321.46839	3.94007	0.0407183	0.31108650	2.1571579	21	6 11.4	17.9
21376 1998 BP_8	14.4	X	202.51288	301.69735	1.88660	5.14861	0.1643172	0.29374669	2.2412350	21	1 1.2	17.8
21377 1998 CO_1	14.9	X	253.65523	193.52902	355.02833	8.60462	0.1934890	0.23995777	2.5647567	21	—	—
21378 1998 CJ_4	13.5	X	232.16224	119.79828	325.42181	11.30776	0.1962565	0.23233647	2.6205420	21	7 31.4	17.6
21379 1998 DU_{13}	16.0	X	226.71746	135.02536	3.61940	6.99589	0.0477665	0.27580614	2.3374021	21	10 22.4	19.1
21380 Devanssay	14.6	X	123.01010	175.01709	137.98219	6.62440	0.2042449	0.28777378	2.2721408	21	—	—
21381 1998 EN	15.5	X	267.76476	297.35249	323.59902	6.20019	0.1384258	0.29411590	2.2393589	21	1 9.8	18.7
21382 1998 EB_8	15.9	X	354.68553	183.34251	65.28672	1.51493	0.1161016	0.30225861	2.1989580	21	4 25.9	17.8
21383 1998 EC_9	14.4	X	184.46473	178.10512	86.25174	6.31335	0.2591361	0.24212906	2.5494007	21	—	—
21384 1998 EB_{10}	15.0	X	105.24566	16.91155	292.04391	4.34732	0.2263188	0.28107831	2.3080816	21	—	—
21385 1998 FV_8	15.5	X	40.42546	185.14420	81.73523	2.38305	0.1621028	0.26508284	2.4000206	21	9 4.3	17.9
21386 1998 FC_9	15.1	X	157.32819	267.72868	166.44435	5.44130	0.0857915	0.30129309	2.2036533	21	4 29.3	17.9
21387 Wafakhalil	14.8	X	331.36211	4.63669	331.67238	3.48187	0.1217374	0.27038837	2.3685217	21	8 2.3	17.0
21388 Moyanodeburt	15.6	X	142.38630	15.89930	330.14640	7.42121	0.0732647	0.29104067	2.2551058	21	—	—
21389 Pshenichka	15.8	X	59.44435	210.59131	306.35685	1.98841	0.0616343	0.30152152	2.2025402	21	3 31.4	17.9
21390 Shindo	14.6	X	42.68381	59.49254	61.80547	1.87619	0.1418666	0.25421635	2.4679351	21	1 23.7	16.9
21391 Rotanner	15.5	X	339.60025	356.90835	194.55435	3.69790	0.0638762	0.29537084	2.2330116	21	1 12.4	18.1
21392 Helibrochier	15.0	X	43.22722	201.67168	197.78927	6.33050	0.1065167	0.28615203	2.2807175	21	—	—
21393 Kalygeringer	14.5	X	37.21618	341.16764	300.76011	1.58525	0.2004762	0.26783301	2.3835630	21	9 26.0	16.9
21394 Justinbecker	14.5	X	324.95969	270.09705	13.06844	5.79641	0.1806207	0.30213184	2.1995730	21	4 12.7	16.7
21395 Albertofilho	14.6	X	147.18228	208.17118	183.93313	6.07079	0.1305680	0.29718586	2.2239104	21	2 20.5	17.5
21396 Fisher–Ives	15.6	X	59.27227	205.56516	56.36971	3.05776	0.1943693	0.26781231	2.3836859	21	10 1.4	18.6
21397 Leontovich	15.0	X	18.82073	39.56296	354.46372	6.85535	0.1268264	0.28178222	2.3042362	21	—	—
21398 Zengguoshou	14.4	X	141.03920	270.35835	115.67230	3.60574	0.1659957	0.29520873	2.2338290	21	2 12.1	17.2
21399 Bateman	15.2	X	23.21763	280.53751	178.48514	5.78961	0.0553280	0.28953590	2.2629125	21	—	—
21400 Ahdout	15.3	X	142.69581	298.29611	350.12808	3.60622	0.1999530	0.28004377	2.3137625	21	—	—
21401 Justinkovac	15.1	X	317.19086	303.13986	350.45693	2.11157	0.1760945	0.25934002	2.4353218	21	4 21.7	17.9
21402 Shanhuang	15.7	X	359.56932	73.43055	351.68066	2.53836	0.1342507	0.28359767	2.2943919	21	—	—
21403 Haken	15.2	X	321.03333	279.12466	12.18415	3.34863	0.1492298	0.25986874	2.4320175	21	4 29.1	17.8
21404 Atluri	14.4	X	63.12009	48.84047	185.77779	4.87451	0.1219242	0.30807559	2.1711901	21	8 16.8	16.7
21405 Sagarmehta	15.9	X	246.55358	333.75233	242.32480	1.53262	0.1022550	0.28569156	2.2831675	21	—	—
21406 Jimyang	14.5	X	68.24418	276.34581	37.52084	6.78489	0.1231817	0.27539995	2.3396998	21	12 9.3	17.7
21407 Jessicabaker	14.1	X	105.59151	278.41505	52.87849	3.39771	0.0681123	0.19769021	2.9184076	21	—	—
21408 Lyrahaas	14.2	X	247.00129	254.77362	5.35987	7.02535	0.1149000	0.28977857	2.2616490	21	—	—
21409 Forbes	15.3	X	242.66460	44.35923	193.49531	5.57102	0.1235156	0.28696698	2.2763975	21	—	—
21410 Cahill	15.0	X	212.08368	46.66132	220.77861	1.74978	0.1297281	0.28621776	2.2803683	21	—	—
21411 Abifraeman	13.8	X	193.87300	216.69999	169.20494	7.92738	0.0621623	0.25766023	2.4458949	21	4 9.8	17.2
21412 Sinchanban	14.8	X	263.72597	334.69301	89.78316	3.37841	0.0380132	0.31297856	2.1484553	21	9 8.5	17.0
21413 Albertsao	14.6	X	228.36637	36.67229	249.84494	3.13530	0.1143606	0.29022687	2.2593194	21	1 2.9	17.9
21414 Blumenthal	14.1	X	271.78694	179.70342	182.25953	11.81209	0.2500652	0.26270753	2.4144657	21	5 18.1	17.8
21415 Nicobrenner	14.4	X	331.47090	271.41188	49.99654	2.65868	0.2098329	0.26319789	2.4114658	21	6 26.9	16.2
21416 Sisichen	14.8	X	319.27270	292.53135	30.80675	6.51792	0.1514461	0.26288553	2.4133757	21	6 13.2	17.4
21417 Kelleyharris	15.7	X	304.30826	295.18858	301.34275	2.38244	0.0921652	0.29391778	2.2403652	21	1 23.1	18.5
21418 Bustos	15.2	X	205.78221	49.61458	1.96068	5.31829	0.0858964	0.30594357	2.1812653	21	5 22.1	18.2
21419 Devience	15.6	X	293.80557	196.51604	339.37706	2.39164	0.1149957	0.28717982	2.2752726	21	—	—
21420 1998 FL_{74}	15.6	X	164.38358	299.67865	349.28973	5.77315	0.1850088	0.28581449	2.2825128	21	—	—
21421 Nealwadhwa	14.9	X	188.77484	303.40555	92.66849	4.18135	0.1590738	0.30084648	2.2058337	21	4 16.6	18.2
21422 Alexacarey	14.5	X	8.25617	160.68385	105.14296	3.42388	0.0492957	0.30517557	2.1849234	21	6 22.1	16.6
21423 Credo	15.0	X	330.67479	150.92814	154.49205	7.30017	0.0552324	0.26253158	2.4155443	21	6 20.1	17.9
21424 Faithchang	15.3	X	195.49749	4.45244	64.12127	4.41681	0.0967013	0.30592981	2.1813307	21	6 4.2	18.3
21425 Cordwell	14.7	X	110.35266	218.18705	104.40746	4.50853	0.1258424	0.28343207	2.2952855	21	—	—
21426 Davidbauer	15.4	X	152.02451	139.68390	110.84783	9.37769	0.1459570	0.27891708	2.3199892	21	12 16.6	19.0
21427 Ryanharrison	15.0	X	176.48336	119.13800	252.18195	4.12909	0.1747115	0.29817620	2.2189835	21	2 28.3	18.3
21428 Junehokim	15.4	X	286.62947	295.26376	298.02068	3.76665	0.0679490	0.29261947	2.2469870	21	—	—
21429 Gulati	15.2	X	181.99847	289.41642	326.44210	9.23433	0.1336774	0.28200157	2.3030412	21	—	—
21430 Brubrew	14.9	X	332.67512	70.03701	266.18612	6.01048	0.1373920	0.26708572	2.3880070	21	7 31.6	17.2
21431 Amberhess	15.2	X	118.51197	18.32008	248.24948	6.20142	0.1119455	0.27543642	2.3394933	21	12 2.8	18.4
21432 Polingloh	15.7	X	247.69983	344.83486	244.60374	5.58733	0.0970318	0.28603403	2.2813447	21	—	—
21433 Stekramer	15.1	X	359.75509	323.28852	264.50493	3.58770	0.0802189	0.29924143	2.2137143	21	4 3.7	17.3
21434 Stanchiang	14.8	X	95.14141	213.61753	222.82776	6.56766	0.0763185	0.29517965	2.2339757	21	1 30.9	17.3
21435 Aharon	15.3	X	11.08584	119.02625	302.49662	3.55278	0.0477597	0.28309447	2.2971100	21	—	—
21436 Chaoyichi	15.3	X	116.09779	178.06595	320.30851	3.73656	0.0852107	0.30489048	2.1862851	21	6 4.6	18.0
21437 Georgechen	13.8	X	42.94944	114.29287	211.09583	12.36199	0.1911566	0.23043900	2.6349076	21	11 26.7	17.3
21438 Camibarnett	14.7	X	294.72065	178.40426	156.27505	2.68501	0.0823240	0.26267824	2.4146451	21	6 2.6	17.6
21439 Robenzing	15.6	X	296.89981	79.42635	335.36954	3.55731	0.1141726	0.27473346	2.3434823	21	9 28.1	17.9
21440 Elizacollins	15.5	X	206.94945	171.06874	127.34395	4.05104	0.0736798	0.28996413	2.2606840	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
21441 Stevencondie	14.4	X	268.48486	52.41205	238.43223	5.14308	0.1487092	0.25189479	2.4830755	21	2 19.6	18.2
21442 1998 GF_1	15.5	X	147.31077	159.66378	282.02440	3.55912	0.0968598	0.30286352	2.1960290	21	4 25.0	18.4
21443 1998 HN_8	14.7	X	21.89196	140.13211	126.76882	3.45048	0.0840574	0.26361427	2.4089259	21	7 20.1	17.2
21444 1998 HT_8	14.3	X	110.70365	322.62541	60.28180	7.72351	0.1190120	0.28838670	2.2689202	21	—	—
21445 Pegconnolly	14.5	X	40.02450	176.80869	216.88795	5.52563	0.1935238	0.28588896	2.2821164	21	—	—
21446 Tedflint	14.5	X	320.73125	255.65163	242.72257	3.87289	0.1036732	0.24458076	2.5323352	21	—	—
21447 Yungchieh	15.1	X	329.39731	77.37427	293.99863	1.35136	0.2140754	0.27121381	2.3637136	21	9 17.4	16.5
21448 Galindo	15.7	X	193.42204	76.03172	179.43834	4.10346	0.1244851	0.28314111	2.2968577	21	—	—
21449 Hemmick	15.9	X	80.91862	280.78496	71.70175	3.21926	0.0443943	0.28248043	2.3004377	21	—	—
21450 Kissel	15.0	X	203.28579	339.92444	38.84233	8.34572	0.0508741	0.30029673	2.2085250	21	4 7.2	17.7
21451 Fisher	15.1	X	64.19364	321.51922	108.95054	0.69597	0.0716161	0.28641475	2.2793226	21	—	—
21452 1998 HA_{29}	14.2	X	258.86480	192.56136	113.96676	13.71267	0.2049644	0.25276428	2.4773779	21	3 3.4	18.3
21453 Victorlevine	15.3	X	62.31416	50.87504	209.22044	5.72914	0.0917777	0.26792128	2.3830395	21	9 13.3	18.1
21454 Chernoby	13.1	X	150.68139	52.46579	32.73377	9.88643	0.0801489	0.17488981	3.1668419	21	5 11.3	17.9
21455 Mcfarland	15.0	X	291.39533	321.30690	149.15170	2.84142	0.1179497	0.23755934	2.5819905	21	12 1.8	18.0
21456 Myers	15.6	X	249.14769	64.03087	170.73264	2.23501	0.1656471	0.28651479	2.2787920	21	—	—
21457 Fevig	15.5	X	250.10892	57.48691	59.90275	0.23996	0.1889947	0.27513470	2.3412033	21	10 4.6	18.2
21458 Susank	14.9	X	300.26467	286.00680	173.70371	4.63803	0.0660300	0.27737126	2.3286010	21	12 15.6	17.4
21459 Chrisrussell	14.4	X	233.96490	241.08182	46.80988	7.05257	0.1317346	0.28965949	2.2622688	21	1 11.7	17.8
21460 Ryozo	15.1	X	237.39735	131.56662	122.96163	2.26770	0.2037458	0.28563319	2.2834785	21	—	—
21461 Alexchernyak	14.2	X	138.05748	120.91040	330.65321	2.16809	0.0597043	0.30061061	2.2069874	21	4 23.2	16.9
21462 Karenedbal	14.7	X	145.25588	237.13962	234.10108	4.80724	0.1389832	0.26206753	2.4183950	21	6 10.3	18.2
21463 Nickerson	14.8	X	337.35155	52.32562	251.24607	4.90904	0.1101716	0.26148982	2.4219557	21	6 22.9	17.3
21464 Chinaroonchai	14.9	X	217.55521	49.43679	225.57674	5.72485	0.2011922	0.28534185	2.2850326	21	—	—
21465 Michelepatt	15.6	X	281.24610	40.96035	176.55276	4.93549	0.1129270	0.28838599	2.2689240	21	—	—
21466 Franpelrine	14.8	X	150.68355	61.26022	137.12392	2.84959	0.1510394	0.27131857	2.3631051	21	10 10.7	18.5
21467 Rosenstein	15.1	X	63.41197	3.06536	232.00225	7.28777	0.0615268	0.26425939	2.4050038	21	8 3.4	18.2
21468 Saylor	14.4	X	59.41447	219.62234	55.18968	3.33358	0.1068339	0.22494259	2.6776569	21	9 30.5	17.9
21469 Robschum	15.8	X	130.44123	229.04709	5.48149	2.31772	0.1649454	0.27195895	2.3593941	21	11 4.8	19.4
21470 Frankchuang	14.4	X	89.85565	23.17984	316.31323	3.89645	0.2654535	0.23384007	2.6092965	21	—	—
21471 Pavelchvykov	14.3	X	71.46850	298.35384	19.35348	11.63294	0.2015768	0.22995476	2.6386054	21	12 18.4	18.5
21472 Stimson	14.8	X	315.54357	344.53738	45.69428	6.27405	0.0689328	0.26957069	2.3733089	21	10 1.9	17.4
21473 Petesullivan	14.6	X	212.59829	233.00581	90.75542	3.21677	0.1295945	0.29070559	2.2568384	21	2 4.7	18.0
21474 Pamelatsai	15.6	X	82.64331	75.29804	185.08813	6.38516	0.0863731	0.26896387	2.3768772	21	10 12.8	18.8
21475 Jasonclain	14.6	X	32.31293	173.85119	85.49815	2.59956	0.0421380	0.30564837	2.1826696	21	7 23.7	16.8
21476 Petrie	13.9	X	23.43454	180.99691	31.44464	6.48661	0.0542233	0.29912325	2.2142973	21	4 25.0	16.2
21477 Terikdaly	14.7	X	234.70537	50.11435	170.69140	11.54778	0.1237491	0.24094278	2.5577618	21	—	—
21478 Maggiedelano	14.0	X	115.88172	187.17709	131.20300	11.94315	0.2171123	0.19273881	2.9681779	21	—	—
21479 Marymartha	14.3	X	19.97057	166.06490	142.36552	4.83097	0.2003591	0.30728875	2.1748949	21	10 15.8	16.1
21480 Jilltucker	15.3	X	61.76675	145.66045	134.20169	6.28145	0.1127170	0.26758076	2.3850608	21	10 18.3	18.3
21481 Johnwarren	15.0	X	254.48295	303.99147	159.23335	6.28150	0.0607221	0.27128083	2.3633242	21	10 12.7	17.9
21482 Patashnick	14.7	X	57.07945	142.31963	112.08186	3.33305	0.1748737	0.26700718	2.3884753	21	9 14.9	17.5
21483 Abdulrasool	15.0	X	297.19241	28.01328	130.55128	5.70141	0.0867332	0.28603623	2.2813330	21	—	—
21484 Eppard	14.9	X	254.17159	10.45741	75.81227	7.26598	0.0732414	0.27269354	2.3551549	21	9 18.9	17.9
21485 Ash	15.1	X	35.84105	334.17317	2.10205	6.81394	0.1247693	0.27338470	2.3511838	21	11 27.1	18.0
21486 1998 HA_{148}	14.2	X	185.81617	238.55418	239.57067	3.54362	0.0805544	0.30718603	2.1753797	21	8 1.8	17.1
21487 1998 HV_{148}	14.2	X	106.15073	287.14319	39.74406	3.06614	0.1820605	0.19084258	2.9878070	21	—	—
21488 Danyellelee	15.8	X	52.21236	94.98041	120.99352	4.46974	0.0441084	0.30421856	2.1895032	21	6 18.4	18.0
21489 1998 JU	15.5	X	267.04617	148.03172	3.90060	2.05393	0.1329325	0.28075198	2.3098698	21	12 28.7	17.8
21490 1998 JW	14.3	X	357.36645	68.99746	219.84394	11.68037	0.0854458	0.21975701	2.7196158	21	7 6.7	17.7
21491 1998 JL_1	15.6	X	125.90014	185.14853	14.08310	2.63160	0.1299017	0.26780458	2.3837318	21	9 15.3	18.9
21492 1998 JQ_1	15.0	X	220.28439	356.35136	216.91528	9.72734	0.0975241	0.28033775	2.3121446	21	—	—
21493 1998 JA_2	14.5	X	35.81240	207.99812	42.61398	3.01491	0.1310194	0.26139643	2.4225325	21	7 27.4	16.9
21494 1998 JE_2	14.7	X	94.11381	52.70078	140.05810	3.11079	0.1317695	0.26287077	2.4134660	21	7 31.1	17.9
21495 Feaga	14.5	X	215.11553	215.67411	93.04670	8.87219	0.1681344	0.28819233	2.2699403	21	1 20.3	18.0
21496 Lijianyang	14.0	X	25.21640	165.27784	154.57023	8.19922	0.2007224	0.22420398	2.6835344	21	10 27.0	17.1
21497 Alicehine	15.4	X	355.23602	100.45157	98.06195	6.32511	0.0682525	0.29413273	2.2392735	21	2 17.9	17.7
21498 Keenanferar	13.8	X	272.94143	358.93362	249.31137	22.92276	0.1088447	0.28823050	2.2697399	21	—	—
21499 Perillat	14.2	X	252.20479	295.61961	78.97905	7.99646	0.1234058	0.25771933	2.4455210	21	5 26.9	17.5
21500 Vazquez	15.6	X	256.08913	50.94755	101.13078	4.28941	0.1190677	0.27774250	2.3265255	21	12 12.4	17.9
21501 Acevedo	14.9	X	314.24074	220.14000	261.48406	5.58508	0.0722799	0.27995979	2.3142251	21	—	—
21502 Cruz	14.5	X	108.49165	205.41986	115.85172	3.68636	0.1225727	0.23485478	2.6017753	21	—	—
21503 Beksha	14.9	X	286.81718	175.61914	28.82858	5.32934	0.1104853	0.24442430	2.5334158	21	—	—
21504 Caseyfreeman	13.5	X	308.07612	216.74685	193.85702	9.09397	0.0683785	0.22840961	2.6504918	21	10 10.2	16.7
21505 Bernert	14.8	X	36.28610	125.90621	16.51187	5.83291	0.0930565	0.29255839	2.2472998	21	2 3.2	17.0
21506 Betsill	14.5	X	263.63961	259.93224	282.40782	7.18625	0.0840404	0.28121808	2.3073168	21	—	—
21507 Bhasin	15.3	X	19.78421	59.62475	209.34610	1.90185	0.1574968	0.26075835	2.4264829	21	7 26.2	17.3
21508 Benbrewer	14.3	X	294.95675	260.52644	94.20581	1.81216	0.1786583	0.21687157	2.7436853	21	6 16.6	17.6
21509 Lucascavin	14.9	X	58.47886	4.80197	70.15404	5.97965	0.1122269	0.28603238	2.2813535	21	—	—
21510 Chemnitz	14.2	X	312.68050	20.56848	304.08210	2.53138	0.0981167	0.21604598	2.7506707	21	6 14.5	17.7
21511 Chiardola	14.7	X	298.81872	315.18440	256.36363	3.69810	0.1050325	0.28815587	2.2701318	21	—	—
21512 Susieclary	14.1	X	86.79448	308.25435	126.38402	4.41742	0.1263923	0.28899591	2.2657305	21	1 25.8	16.3
21513 Bethcochran	14.4	X	51.43296	244.19410	190.55331	6.16852	0.0757491	0.28403159	2.2920546	21	—	—
21514 Gamalski	14.1	X	102.90924	197.04820	115.45027	6.83264	0.2233837	0.23028850	2.6360555	21	—	—
21515 Gavini	14.1	X	39.04109	179.46178	105.56937	15.51156	0.1512139	0.22178471	2.7030141	21	9 28.3	17.7
21516 Mariagodinez	13.8	X	196.89382	138.85423	178.47936	10.94847	0.1884871	0.24289751	2.5440209	21	1 19.5	18.1
21517 Dobi	14.7	X	176.81963	35.46295	156.72737	7.74121	0.1826509	0.27264934	2.3554095	21	10 27.7	18.5
21518 Maysunhasan	13.4	X	275.55114	31.81893	117.50085	14.16150	0.1011061	0.23615179	2.5922401	21	12 30.5	16.6
21519 Josephhenry	14.0	X	305.60306	288.33527	104.20730	14.02743	0.1208715	0.26530661	2.3986709	21	9 16.4	16.8
21520 Dianaeheart	13.9	X	169.43748	111.13785	159.66682	9.23320	0.0450536	0.19241178	2.9715402	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
21521 Hippalgaonkar	13.4	X	95.77258	265.69471	137.87826	8.12282	0.1726335	0.24078418	2.5588849	21	1 16.5	16.2
21522 Entwisle	14.5	X	234.22868	70.73230	160.10537	7.75709	0.1599461	0.23825869	2.5769355	21	—	—
21523 GONG	14.0	X	141.71422	193.11947	117.90568	26.52822	0.2617159	0.18877878	3.0095433	21	—	—
21524 1998 MB_{16}	14.3	X	291.79258	85.10989	77.65837	3.59452	0.0414394	0.19680935	2.9271090	21	—	—
21525 1998 MP_{23}	13.6	X	161.49233	350.87226	125.81083	9.22453	0.1785926	0.21140582	2.7907745	21	7 5.6	18.1
21526 Mirano	13.8	X	172.16976	138.07055	144.86028	15.30624	0.3399477	0.23447586	2.6045776	21	—	—
21527 Horton	13.4	X	165.60322	47.46186	286.40560	12.69341	0.1831965	0.23793308	2.5792860	21	1 13.4	17.4
21528 Chrisfaust	14.4	X	24.07848	356.95240	304.81548	4.32539	0.0533225	0.26092338	2.4254596	21	9 8.6	17.2
21529 Johnjames	13.3	X	236.23762	187.67320	132.93868	13.47978	0.1791680	0.20127906	2.8836131	21	3 6.3	18.1
21530 Despiau	13.2	X	85.72158	319.19517	301.02905	10.75454	0.0596870	0.21885201	2.7271081	21	9 29.9	17.3
21531 Billcollin	14.5	X	174.10091	223.25951	264.66254	6.09855	0.0715666	0.21460422	2.7629766	21	7 29.3	18.6
21532 1998 OY	14.4	X	99.46252	112.57766	280.81965	9.10087	0.0587484	0.19344373	2.9609627	21	1 4.3	18.5
21533 1998 OR_{12}	13.5	X	126.06221	280.58924	130.93167	3.00537	0.0639102	0.19664671	2.9287227	21	3 1.1	17.6
21534 1998 OV_{12}	13.5	X	332.89105	179.32125	144.78054	5.00497	0.0666685	0.21169258	2.7882537	21	7 18.9	16.9
21535 1998 OX_{13}	13.8	X	179.53969	113.71305	153.64248	4.00825	0.1043184	0.18743072	3.0239564	21	—	—
21536 1998 OV_{14}	13.2	X	316.69606	158.48933	333.09894	14.39779	0.0566653	0.22943357	2.6425999	21	—	—
21537 Fréchet	14.2	X	169.55997	78.54773	160.83014	1.17425	0.1399523	0.18305875	3.0719140	21	12 5.2	19.1
21538 1998 QN_1	13.8	X	88.95667	100.95609	232.01178	1.14918	0.1179135	0.18277819	3.0750568	21	—	—
21539 Josefhlavka	13.7	X	7.14941	44.73156	301.19619	13.18574	0.0251833	0.17384823	3.1794783	21	9 25.8	18.3
21540 Itthipanyanan	13.4	X	27.80624	341.70945	329.58571	22.08182	0.1098419	0.17492278	3.1664440	21	9 17.3	17.7
21541 Friskop	14.0	X	206.86717	123.21931	169.71709	9.52151	0.0426180	0.19310348	2.9644399	21	1 5.3	18.6
21542 Kennajeannet	13.0	X	42.33558	138.92871	160.76945	15.58273	0.0705511	0.17389483	3.1789102	21	9 29.3	17.3
21543 Jessop	13.7	X	7.01828	338.78507	309.91097	8.63187	0.0544484	0.16810090	3.2515419	21	7 23.3	18.0
21544 Hermainkhan	13.9	X	322.33645	292.54118	316.44216	11.33691	0.1028257	0.24511026	2.5286869	21	3 8.3	17.1
21545 Koirala	13.6	X	215.94012	44.75138	189.89781	8.85328	0.0121861	0.18625439	3.0366754	21	—	—
21546 Konermann	13.9	X	232.00243	226.56995	335.31740	14.69720	0.0222940	0.22772174	2.6558266	21	—	—
21547 Kottapalli	13.4	X	59.25844	325.64251	323.02872	0.32579	0.1391863	0.17501292	3.1653566	21	10 15.1	17.7
21548 Briekugler	14.1	X	322.03134	40.36126	214.52602	7.15197	0.0235158	0.24429440	2.5343137	21	3 30.7	17.3
21549 Carolinelang	13.7	X	69.41589	249.45212	23.45490	3.35198	0.1548897	0.17471897	3.1689059	21	10 10.6	18.2
21550 Laviolette	13.1	X	115.39800	241.57093	329.32657	6.15962	0.0767332	0.21409189	2.7673828	21	9 8.6	17.1
21551 Geyang	13.6	X	295.64274	285.21745	197.88995	9.15421	0.0437648	0.18108789	3.0941625	21	12 17.9	17.9
21552 Richardlee	13.4	X	350.30254	343.93739	181.13915	22.05421	0.0111841	0.23559895	2.5962937	21	1 11.8	17.4
21553 Monchicourt	15.2	X	30.52528	245.66639	40.87613	2.08191	0.1657560	0.29678642	2.2259054	21	9 21.1	17.2
21554 Leechaohsi	13.3	X	110.22911	18.91322	228.70163	15.56800	0.2143234	0.17836126	3.1256166	21	10 26.4	18.5
21555 Levary	12.7	X	249.99653	246.91679	211.87664	15.67935	0.0830580	0.17212827	3.2006235	21	9 10.7	17.6
21556 Christineli	13.9	X	121.49163	24.29444	225.02157	7.39089	0.2344756	0.26599009	2.3945601	21	11 17.6	17.9
21557 Daniellitt	12.2	X	179.10840	5.00829	294.28661	8.74438	0.0594122	0.18917240	3.0053671	21	—	—
21558 Alisonliu	12.8	X	165.44937	288.19006	323.40658	11.96439	0.1640349	0.22548266	2.6733795	21	12 21.5	17.4
21559 Jingyuanluo	13.7	X	238.54513	312.10805	286.80449	11.07944	0.2501055	0.23345983	2.6121289	21	—	—
21560 Analyons	13.1	X	252.19134	225.02626	37.10653	10.93822	0.0615937	0.19184916	2.9773470	21	1 20.7	17.7
21561 Masterman	13.1	X	68.57728	334.43745	57.81410	13.95028	0.1647179	0.22419012	2.6836450	21	—	—
21562 Chrismessick	14.4	X	239.41623	69.65515	184.01299	12.61573	0.1430892	0.23637506	2.5906074	21	—	—
21563 Chetgervais	14.4	X	28.64193	43.48340	222.20294	7.77803	0.1543620	0.21174583	2.7877863	21	8 2.4	17.7
21564 Widmanstätten	12.6	X	52.30855	214.37722	164.49415	16.79630	0.1812071	0.18080860	3.0973479	21	—	—
21565 1998 QZ_{102}	13.4	X	299.23586	166.66078	131.14856	6.19321	0.2208927	0.20397186	2.8581776	21	4 5.2	17.5
21566 1998 QM_{103}	14.0	X	262.41593	229.99326	91.41978	3.24422	0.0569010	0.20057645	2.8903433	21	4 12.6	18.1
21567 1998 RB_2	14.6	X	334.11588	88.00895	130.90347	6.99245	0.2115893	0.24366150	2.5387004	21	1 31.5	17.6
21568 Evanmorikawa	13.7	X	189.53082	45.60741	349.90638	24.91545	0.1836068	0.28612925	2.2808386	21	4 5.5	17.7
21569 1998 RX_{12}	13.8	X	209.31073	4.88408	179.00455	0.68375	0.1253606	0.17636782	3.1491244	21	11 7.9	18.6
21570 Muralidhar	13.8	X	243.17775	254.16807	1.96866	13.16978	0.1398026	0.23627260	2.5913563	21	—	—
21571 Naegeli	13.7	X	184.01320	36.84267	234.05813	5.11496	0.0568933	0.22849844	2.6498048	21	—	—
21572 Nguyen-McCarty	14.2	X	209.49645	60.83299	148.73013	9.50851	0.1765240	0.22500465	2.6771645	21	12 11.5	18.5
21573 1998 RP_{70}	13.0	X	34.25615	139.79195	58.06118	7.68587	0.1009633	0.15752940	3.3954315	21	5 10.0	17.2
21574 Ouzan	13.5	X	226.41265	312.88668	63.36897	2.75619	0.0423607	0.20171807	2.8794277	21	5 9.5	17.5
21575 Padmanabhan	13.5	X	151.12107	125.91497	95.75269	6.08718	0.1025160	0.21768090	2.7368805	21	11 4.1	17.7
21576 McGivney	13.8	X	105.60105	106.61592	137.22588	2.18795	0.1385470	0.17494079	3.1662266	21	10 13.2	18.6
21577 Negron	14.7	X	153.29759	18.23605	72.30754	5.08292	0.1028930	0.28648227	2.2789644	21	5 18.6	17.7
21578 1998 SN_{27}	13.1	X	255.28217	297.18484	281.35948	27.16065	0.0986259	0.22831641	2.6512131	21	—	—
21579 1998 SK_{45}	13.7	X	125.65352	225.19486	38.87738	1.84823	0.1414983	0.17782293	3.1319215	21	11 24.0	18.6
21580 Portalatin	13.3	X	263.57840	240.62990	76.44755	3.04881	0.0611065	0.19992866	2.8965833	21	4 7.9	17.3
21581 Ernestoruiz	12.5	X	27.81338	286.26880	178.37689	9.68424	0.0498914	0.18795533	3.0183269	21	—	—
21582 Arunvenkataraman	13.9	X	218.39726	229.00205	357.57346	2.18646	0.1271579	0.22733249	2.6588574	21	—	—
21583 Caropietsch	12.9	X	87.64216	325.34320	329.59259	4.59629	0.1565078	0.17617600	3.1514099	21	11 24.3	17.7
21584 Polepeddi	13.0	X	306.02172	315.86678	227.48909	9.22882	0.1086959	0.18587204	3.0408383	21	—	—
21585 Polmear	13.5	X	104.47578	224.69003	58.25383	8.30469	0.0854491	0.21959146	2.7209826	21	11 27.7	17.5
21586 Pourkaviani	12.6	X	162.30914	143.30378	125.46304	1.80456	0.1404793	0.18116875	3.0932417	21	12 31.9	17.7
21587 Christopynn	12.5	X	333.75117	83.30144	219.60229	12.45581	0.0673881	0.20482923	2.8501962	21	6 20.4	16.3
21588 Gianelli	14.1	X	167.31909	130.46007	131.13563	2.57476	0.1603968	0.18166946	3.0875554	21	12 27.6	19.2
21589 Rafes	13.5	X	82.66412	27.28132	226.91530	8.85914	0.1587526	0.21227117	2.7831848	21	10 4.7	17.6
21590 1998 TK	13.3	X	292.85908	337.98889	220.76405	10.08127	0.0705623	0.18533087	3.0467551	21	—	—
21591 1998 TA_6	13.5	X	0.33022	308.28297	183.73963	12.66933	0.1151209	0.22676356	2.6633028	21	—	—
21592 1998 VJ_5	13.5	X	312.13564	289.20889	21.37369	11.50485	0.2386865	0.20325362	2.8649070	21	5 1.4	17.2
21593 1998 VL_{27}	11.6	X	341.41527	128.60889	290.99573	3.35510	0.0510717	0.08570578	5.0948255	21	11 13.3	18.1
21594 1998 VP_{31}	13.3	X	151.53345	351.30436	242.88522	8.23193	0.2138640	0.21746076	2.7387272	21	11 17.0	18.0
21595 1998 WJ_5	10.8	X	349.92723	258.17241	144.00621	25.06380	0.1354436	0.08300543	5.2047320	21	11 11.9	17.4
21596 1998 WG_7	14.4	X	148.73174	217.06405	96.97718	6.08814	0.2304785	0.26838357	2.3803022	21	—	—
21597 1998 WA_8	12.4	X	231.67359	233.42659	59.88437	11.26227	0.0709227	0.18769305	3.0211382	21	2 6.1	17.1
21598 1998 WP_9	14.6	X	57.73764	0.62714	138.24115	0.96899	0.1555556	0.27643722	2.3338434	21	3 16.9	16.7
21599 1998 WA_{15}	11.4	X	317.62113	210.81879	218.82321	11.20611	0.1173867	0.08298879	5.2054279	21	10 20.7	17.9
21600 1998 XL_5	12.7	X	225.90922	178.56779	142.47917	11.11418	0.0880018	0.19031082	2.9933700	21	3 1.3	17.2

Planet		H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
		m		°	°	°	°		°				
21601	1998 XO_{89}	10.1	X	308.49418	209.88439	263.64383	19.46635	0.0353572	0.08236730	5.2315794	21	12 4.3	16.9
21602	Ialmenus	12.1	X	259.52699	193.77597	309.30911	7.93911	0.0603119	0.08282634	5.2122322	21	11 6.1	19.1
21603	1999 BY	13.9	X	6.77225	42.08915	197.27285	32.07525	0.1126108	0.23526796	2.5987282	21	5 13.7	17.1
21604	1999 BS_3	14.0	X	263.61406	299.84817	161.57126	2.34226	0.0250207	0.20412922	2.8567085	21	10 17.7	17.8
21605	Reynoso	13.4	X	113.55651	267.44855	192.54402	10.87892	0.1111936	0.18419545	3.0592627	21	4 23.6	17.8
21606	1999 FH_6	15.3	X	197.75705	29.27153	306.66992	0.90485	0.0664247	0.30634386	2.1793648	21	1 29.2	17.9
21607	Robel	13.2	X	253.66079	128.81107	196.34019	9.07631	0.1003959	0.22452968	2.6809386	21	3 28.7	17.0
21608	Gloyna	14.7	X	308.49072	69.91742	235.71001	5.65205	0.1517371	0.27077149	2.3662870	21	4 28.5	17.3
21609	Williamcaleb	14.0	X	207.74564	236.09458	192.46336	6.45517	0.2364399	0.27399615	2.3476845	21	6 13.9	18.1
21610	Rosengard	14.1	X	205.22173	67.99879	256.66505	9.96230	0.2383653	0.21103419	2.7940500	21	2 6.4	19.1
21611	Rosoff	14.2	X	297.71589	127.07395	213.32935	12.56605	0.1977054	0.22531423	2.6747116	21	5 29.1	17.7
21612	Chelsagloria	14.2	X	348.35918	202.38736	238.81091	6.11177	0.0700906	0.29112076	2.2546922	21	—	—
21613	Schlecht	14.8	X	259.09196	298.91448	101.18886	6.99211	0.2082969	0.27731608	2.3289099	21	6 27.4	17.9
21614	Grochowski	14.2	X	286.08295	123.15875	224.69962	6.02839	0.1618342	0.27301402	2.3533115	21	5 26.2	17.0
21615	Guardamano	15.4	X	124.72938	99.84667	166.90721	6.13186	0.0715209	0.28521510	2.2857095	21	12 10.8	18.7
21616	Guhagilford	14.4	X	321.01065	173.04518	151.26347	6.74188	0.1276917	0.27283906	2.3543174	21	6 22.4	16.9
21617	Johnhagen	14.8	X	308.50372	148.40067	221.79263	2.43235	0.1486469	0.27503499	2.3417692	21	8 6.1	16.9
21618	Sheikh	15.5	X	299.34423	198.78304	114.21301	2.62492	0.2013850	0.31016386	2.1614337	21	4 15.7	18.1
21619	Johnshopkins	14.8	X	259.98716	183.52544	311.64555	5.50312	0.0697374	0.28934236	2.2639215	21	12 3.9	17.3
21620	1999 KU	14.9	X	50.91706	211.18002	101.10993	8.20445	0.2375545	0.23630011	2.5911552	21	11 27.9	18.5
21621	Sherman	14.4	X	327.28491	114.85779	209.32380	8.71260	0.2589287	0.26588928	2.3951653	21	6 12.8	16.5
21622	Victorshia	15.0	X	170.85530	278.59259	61.41530	5.15394	0.2187130	0.29612126	2.2292374	21	1 21.3	18.3
21623	Albertshieh	14.0	X	71.72486	286.97131	248.84822	3.29148	0.0882908	0.26782582	2.3836057	21	5 28.1	16.5
21624	1999 NA_1	13.4	X	205.56092	266.79712	130.19188	16.29560	0.1506824	0.21432791	2.7653508	21	5 13.2	18.2
21625	Seira	14.0	X	324.21314	131.45146	260.73822	15.62962	0.2246075	0.17897606	3.1184545	21	9 11.1	17.8
21626	Matthewhall	15.0	X	173.97509	124.90395	200.17372	5.23912	0.1809878	0.29122592	2.2541494	21	1 1.2	18.3
21627	Sillis	14.4	X	195.84361	84.64239	146.61197	12.35114	0.1995579	0.24199489	2.5503430	21	12 24.4	18.6
21628	Lucashof	15.6	X	255.04229	321.64902	54.43148	0.22265	0.1982132	0.26243675	2.4161262	21	5 22.9	19.2
21629	Siperstein	15.3	X	0.22493	41.16222	179.95299	1.20651	0.0301451	0.30365243	2.1922238	21	3 31.5	17.5
21630	Wootensmith	14.9	X	28.89581	354.06067	201.42780	1.20925	0.0520807	0.30404262	2.1903478	21	4 7.6	16.8
21631	Stephenhonan	15.2	X	0.89518	105.64260	141.90047	4.85392	0.1482657	0.26316405	2.4116725	21	5 11.3	17.3
21632	Suwanasri	14.4	X	336.64790	38.20982	295.18469	5.90450	0.2806676	0.26771637	2.3842554	21	7 22.3	15.6
21633	Hsingpenyuan	14.7	X	71.81338	305.19292	304.95702	5.60703	0.0895779	0.27091331	2.3654611	21	9 11.8	17.8
21634	Huangweikang	14.6	X	19.98091	328.12540	69.43614	6.75707	0.1883403	0.28218431	2.3020467	21	—	—
21635	Micahtoll	15.0	X	253.76710	86.89662	245.73263	1.76403	0.1986548	0.25920938	2.4361400	21	3 26.1	19.0
21636	Huertas	14.7	X	235.37140	220.71136	70.47091	3.88805	0.1444446	0.29776198	2.2210409	21	1 15.3	18.1
21637	Ninahuffman	15.2	X	355.74436	28.27125	313.43243	7.41521	0.1919469	0.27193498	2.3595327	21	10 1.4	17.2
21638	Nicjachowski	15.5	X	74.32190	336.02217	358.59633	1.79542	0.1948237	0.28104989	2.3082372	21	—	—
21639	Davidkaufman	14.1	X	16.81169	331.52490	116.55490	5.82402	0.1166614	0.28784941	2.2717428	21	—	—
21640	Petekirkland	14.7	X	60.37676	51.59899	356.25497	5.81660	0.1793079	0.28661233	2.2782749	21	—	—
21641	Tiffanyko	14.8	X	257.97386	304.56059	86.89126	4.84176	0.0939822	0.22062140	2.7125075	21	6 30.0	18.5
21642	Kominers	15.4	X	227.56502	260.51454	12.29722	3.22756	0.1806434	0.29432306	2.2383080	21	—	—
21643	Kornev	15.5	X	107.48006	282.41073	110.53759	3.90231	0.1384821	0.29173077	2.2515481	21	1 1.0	17.6
21644	Vinay	14.8	X	247.36365	224.63215	165.31365	9.09068	0.2116703	0.26290591	2.4132509	21	6 2.6	18.7
21645	Chentsaiwei	14.3	X	111.00026	62.32544	289.86342	11.59613	0.2142916	0.24252267	2.5466416	21	—	—
21646	Joshuaturner	14.4	X	281.16987	234.08005	183.65357	13.07461	0.1597816	0.22561935	2.6722997	21	8 23.3	18.0
21647	Carlturner	14.5	X	359.71635	144.32861	191.91685	10.43276	0.0824054	0.22677454	2.6632168	21	9 17.9	17.6
21648	Gravanschaik	14.1	X	3.79694	178.78139	260.83858	11.55354	0.2315430	0.23534441	2.5981654	21	—	—
21649	Vardhana	14.5	X	310.85080	151.26106	162.76009	14.47531	0.1983674	0.21887246	2.7269383	21	5 15.7	18.2
21650	Tilgner	15.1	X	134.17135	49.90808	232.74930	6.08119	0.1231875	0.28257352	2.2999324	21	—	—
21651	Mission Valley	14.6	X	198.11946	187.50946	125.54732	13.80867	0.0253328	0.20532337	2.8456215	21	1 17.4	18.5
21652	Vasishtha	12.4	X	75.46857	63.60373	289.47879	11.98421	0.2509993	0.23379527	2.6096298	21	—	—
21653	Davidwang	13.7	X	274.08687	99.13448	243.56947	18.87053	0.2143940	0.21193467	2.7861300	21	4 29.1	18.0
21654	1999 PZ	14.5	X	76.92237	176.64311	157.10561	7.24278	0.2377592	0.28113214	2.3077869	21	—	—
21655	Niklauswirth	13.2	X	113.88829	7.33441	293.31871	13.42984	0.1804229	0.22944689	2.6424976	21	—	—
21656	Knuth	14.6	X	327.74147	205.21969	130.23318	9.25938	0.2280445	0.22109170	2.7086595	21	7 8.3	17.2
21657	1999 PZ_1	15.0	X	319.91755	333.87477	151.77280	7.28846	0.0529439	0.28338220	2.2955548	21	—	—
21658	1999 PA_2	15.6	X	20.99877	261.69395	3.90759	2.52313	0.1547167	0.31116269	2.1568058	21	7 27.0	16.9
21659	Fredholm	14.7	X	136.86101	260.07632	46.78391	4.88367	0.1467608	0.23877889	2.5731914	21	—	—
21660	Velenia	14.8	X	241.91556	237.92613	191.99318	4.78386	0.0428128	0.21758716	2.7376665	21	8 5.6	18.6
21661	Olgagermani	14.9	X	2.19472	166.66693	166.08805	5.61814	0.2484844	0.27167761	2.3610226	21	10 17.1	16.4
21662	Benigni	14.1	X	150.29209	355.75474	344.43734	13.01808	0.1685359	0.24271795	2.5452754	21	1 6.5	18.0
21663	Banat	13.9	X	69.49713	145.43846	170.72813	9.29383	0.1363038	0.18476172	3.0530088	21	12 1.9	18.5
21664	Konradzuse	14.4	X	325.78567	71.10343	29.55373	9.55328	0.2090561	0.23334973	2.6129505	21	—	—
21665	Frege	15.6	X	238.80428	287.55999	309.09773	2.86845	0.1259203	0.28783977	2.2717935	21	—	—
21666	1999 RW_1	14.6	X	328.05723	4.76775	6.03388	1.94803	0.2231539	0.22304232	2.6928440	21	9 4.9	16.7
21667	1999 RB_3	15.0	X	332.07145	197.99984	352.42909	4.46175	0.0522806	0.29118524	2.2543594	21	1 4.7	17.7
21668	1999 RS_6	14.6	X	198.42059	315.67374	163.63956	9.83866	0.1726186	0.26463383	2.4027347	21	8 11.6	18.5
21669	1999 RF_8	15.4	X	257.48456	202.59057	320.17330	2.33419	0.1836882	0.28042734	2.3116522	21	12 19.8	17.8
21670	Kuan	15.1	X	108.81284	332.27420	34.92518	2.55907	0.1250785	0.28775357	2.2722472	21	—	—
21671	Warrener	13.8	X	268.29012	328.88452	175.44209	14.66909	0.0517665	0.23474546	2.6025830	21	12 19.4	17.5
21672	Laichunju	14.6	X	80.87943	237.33508	166.06277	8.08315	0.1912787	0.24129149	2.5552969	21	—	—
21673	Leatherman	15.0	X	102.34403	78.50769	137.34259	6.87106	0.0821340	0.26883566	2.3776329	21	9 6.9	18.1
21674	Renaldowebb	14.1	X	22.03689	229.71033	153.52603	15.58314	0.1348051	0.23218151	2.6217078	21	—	—
21675	Kaitlinmaria	15.3	X	252.17311	27.03140	269.70363	1.96310	0.0591185	0.25080780	2.4902447	21	2 18.9	18.7
21676	Maureenanne	13.6	X	66.26428	218.29891	174.58931	11.40646	0.1592115	0.19193810	2.9764271	21	—	—
21677	Tylerlyon	15.1	X	98.43958	306.05824	131.04016	3.62297	0.1416848	0.24652210	2.5190231	21	3 1.9	18.1
21678	Lindner	14.4	X	114.63877	213.87068	162.18957	7.60341	0.1506110	0.24246320	2.5470580	21	1 3.6	17.7
21679	Bettypalermiti	15.1	X	244.45658	131.47947	167.14104	2.78197	0.1994434	0.29812680	2.2192286	21	1 30.5	18.6
21680	Richardschwartz	14.5	X	220.96422	227.44571	186.33219	5.29854	0.0589963	0.21499382	2.7596377	21	6 18.8	18.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
21681 1999 RN_{32}	13.5	X	298.92715	200.45155	177.33891	9.26322	0.0961857	0.17436978	3.1731351	21	8 2.9	17.9
21682 Peštafrantišek	15.1	X	11.59930	109.04787	90.80197	8.51595	0.0784959	0.25434464	2.4671051	21	3 28.6	18.0
21683 Segal	14.7	X	39.29133	110.26648	329.19575	5.20719	0.1237098	0.28666763	2.2779819	21	—	—
21684 Alinafiocca	15.2	X	194.78556	75.15143	17.90095	5.62326	0.1279006	0.26036184	2.4289458	21	7 8.1	18.9
21685 Francomallia	14.4	X	143.08971	120.07021	249.94693	0.99982	0.0703269	0.20004828	2.8954284	21	1 28.6	18.5
21686 Koschny	16.0	X	226.98517	185.50703	43.78494	1.72293	0.1103995	0.28561543	2.2835732	21	—	—
21687 Filopanti	14.0	X	242.08998	19.34394	346.37916	5.72564	0.0771526	0.21303377	2.7765388	21	5 8.2	18.1
21688 1999 RK_{37}	13.8	X	19.27863	45.04234	329.21014	25.49828	0.0751575	0.36984227	1.9221695	21	—	—
21689 1999 RL_{38}	15.1	X	341.11801	161.81894	149.76436	3.85008	0.1899469	0.26393186	2.4069930	21	7 5.9	16.8
21690 1999 RA_{39}	13.7	X	309.09070	318.66207	149.04096	24.79423	0.2443617	0.27552023	2.3390189	21	—	—
21691 1999 RC_{42}	14.0	X	268.06916	33.70078	332.65525	4.82260	0.0840219	0.26018485	2.4300472	21	6 8.8	17.2
21692 1999 RH_{44}	14.3	X	265.95784	325.21308	29.18850	7.20105	0.1446522	0.25981795	2.4323344	21	5 11.3	17.7
21693 1999 RT_{44}	13.9	X	62.88112	49.06400	330.70306	13.07632	0.2128880	0.23732597	2.5836829	21	—	—
21694 Allisowilson	14.7	X	24.00874	217.39750	208.30359	4.08031	0.2616529	0.23775762	2.5805548	21	—	—
21695 Hannahwolf	15.0	X	263.99001	212.78779	112.49757	3.33147	0.2160223	0.25867212	2.4395120	21	3 27.5	18.7
21696 Ermalmquist	14.9	X	76.36356	313.17649	20.22423	3.54194	0.1832952	0.28070551	2.3101247	21	—	—
21697 Mascharak	15.2	X	259.73502	169.63221	180.15033	6.50672	0.1454720	0.25987645	2.4319694	21	4 30.6	18.7
21698 McCarron	14.7	X	151.09859	265.98459	70.52068	3.49035	0.1627185	0.24479829	2.5308348	21	—	—
21699 Wolpert	13.9	X	306.52795	319.57721	81.78543	3.01870	0.1743387	0.17877799	3.1207575	21	9 7.7	17.6
21700 Caseynicole	15.2	X	82.92379	284.42199	63.79670	3.72687	0.1518284	0.23651024	2.5896203	21	—	—
21701 Gabemendoza	14.1	X	222.68822	238.42420	70.40507	3.03485	0.0410426	0.20423110	2.8557584	21	2 10.8	18.2
21702 Prisymendoza	15.3	X	78.30215	197.31393	290.57955	1.53225	0.0846152	0.29779973	2.2208532	21	3 22.9	17.5
21703 Shravanimikk	14.4	X	287.99212	315.47414	270.13253	4.20128	0.1709978	0.29382460	2.2408388	21	—	—
21704 Mikkilineni	14.7	X	339.23237	157.75729	307.14445	0.32185	0.0301412	0.19157906	2.9801447	21	—	—
21705 Subinmin	14.7	X	342.26496	250.73542	104.72787	3.23898	0.0979914	0.22369769	2.6875820	21	9 18.8	17.7
21706 Robminehart	13.9	X	216.45889	221.48133	233.42841	0.26545	0.1279027	0.17189483	3.2035205	21	7 30.4	18.9
21707 Johnmoore	14.5	X	314.46767	149.99119	342.85823	5.36186	0.0785507	0.28161902	2.3051263	21	—	—
21708 Mulhall	14.9	X	71.16994	193.83501	142.35781	6.30440	0.0577062	0.23252370	2.6191351	21	12 25.7	18.5
21709 Sethmurray	14.2	X	17.35427	145.00707	356.93716	6.06973	0.0919668	0.29019675	2.2594758	21	—	—
21710 Nijhawan	14.7	X	208.17242	336.56688	74.54785	1.58264	0.0693027	0.21274272	2.7790706	21	5 30.7	18.7
21711 Wilfredwong	14.3	X	18.18750	8.32236	192.62712	11.40241	0.1705335	0.25384074	2.4703690	21	4 3.1	16.4
21712 Obaid	14.9	X	198.17695	26.52722	74.85396	2.69234	0.1750413	0.26039013	2.4287699	21	7 20.4	18.7
21713 Michaelolson	15.4	X	201.71681	115.83522	146.86307	6.57894	0.1616801	0.28651630	2.2787840	21	—	—
21714 Geoffreywoo	12.8	X	62.20120	158.31492	305.82598	11.77732	0.0334690	0.19990260	2.8968350	21	2 6.6	16.6
21715 Palaniappan	14.3	X	225.55683	18.95679	269.84229	7.59142	0.0655401	0.29049015	2.2579541	21	1 2.1	17.3
21716 Panchamia	15.3	X	305.61062	170.34510	189.85530	3.21715	0.0354410	0.26632489	2.3925529	21	8 1.8	18.2
21717 Pang	14.3	X	62.99329	250.09336	175.47974	1.94571	0.0612594	0.19807731	2.9146041	21	—	—
21718 Cheonghapark	14.6	X	63.43073	264.41993	135.68859	2.61991	0.1820537	0.23982230	2.5657224	21	—	—
21719 Pasricha	15.5	X	263.46653	211.18358	150.07292	2.10651	0.1305820	0.26165195	2.4209551	21	5 21.2	18.8
21720 Pilishvili	15.0	X	117.31698	109.63665	174.12249	7.56767	0.1172919	0.28087714	2.3091835	21	12 24.2	18.5
21721 Feiniqu	15.2	X	72.23617	174.03481	152.02442	7.10129	0.1328393	0.27964104	2.3159834	21	12 31.9	18.6
21722 Rambhia	14.6	X	116.55945	15.30809	214.28051	5.74505	0.0925596	0.27392514	2.3480903	21	10 11.8	18.0
21723 Yinyinwu	14.2	X	273.15492	153.43722	182.91240	6.96382	0.2784217	0.21512287	2.7585339	21	4 15.7	18.7
21724 Ratai	15.0	X	32.45566	150.92813	211.86189	5.74914	0.1257131	0.27756223	2.3275328	21	12 30.6	17.9
21725 Zhongyuechen	13.8	X	20.37921	225.25875	188.13216	9.73256	0.0987513	0.19160408	2.9798853	21	—	—
21726 Rezvanian	14.6	X	231.75713	228.09884	243.84247	5.76439	0.1073020	0.27002075	2.3706710	21	9 11.8	18.0
21727 Rhines	15.1	X	358.76240	271.84693	138.90081	7.31003	0.1773314	0.27754953	2.3276038	21	—	—
21728 Zhuzhirui	14.1	X	242.77745	315.04303	150.82697	15.26649	0.0564376	0.22650443	2.6653336	21	9 26.9	17.8
21729 Kimrichards	15.1	X	63.59357	332.43993	317.85155	5.37581	0.0261764	0.27314800	2.3525419	21	10 16.5	18.1
21730 Ignaciorod	15.4	X	279.06460	289.77312	357.86747	3.94097	0.1127767	0.30072896	2.2064083	21	2 27.0	18.1
21731 Zhuruochen	13.4	X	228.10249	44.40684	159.53029	15.63865	0.0475213	0.23566932	2.5957768	21	—	—
21732 Rumery	14.5	X	283.56660	83.03221	359.21590	4.82934	0.1157574	0.22506723	2.6766682	21	10 8.2	17.8
21733 Schlottmann	15.4	X	119.90176	41.41826	261.19120	3.43321	0.1165218	0.28232905	2.3012599	21	—	—
21734 1999 RM_{146}	13.6	X	55.56786	200.67784	182.48168	10.55541	0.1045728	0.19180605	2.9777931	21	—	—
21735 Nissaschmidt	14.6	X	52.35693	5.60084	289.73861	6.30066	0.1216837	0.27295757	2.3536360	21	10 22.9	17.7
21736 Samaschneid	14.4	X	82.08660	355.39884	316.35350	2.31422	0.1872254	0.27883045	2.3204698	21	12 28.9	17.9
21737 Stephenshulz	14.7	X	224.58840	341.38574	78.64071	1.44994	0.1539275	0.26188889	2.4194947	21	6 22.8	18.4
21738 Schwank	15.1	X	91.96881	93.86163	205.40963	5.57888	0.1447770	0.27843385	2.3226728	21	12 19.5	18.6
21739 Annekeschwob	15.5	X	91.34720	340.60855	36.19959	3.26979	0.0791468	0.28616486	2.2806493	21	—	—
21740 1999 RR_{159}	14.7	X	346.02278	13.88499	357.76075	11.92645	0.1977673	0.22638313	2.6662856	21	10 16.8	17.2
21741 1999 RN_{162}	13.3	X	157.26704	5.96526	27.11237	13.91868	0.1302384	0.20311542	2.8662064	21	3 22.7	17.8
21742 Rachaelscott	14.9	X	273.70833	9.92280	323.17608	4.29266	0.1630580	0.21392389	2.7688315	21	4 22.5	19.1
21743 Michaelsegal	14.6	X	79.64120	21.16643	332.88677	5.76535	0.0520097	0.23685911	2.5870768	21	—	—
21744 Meliselinger	15.0	X	358.10588	113.72073	141.59676	2.33922	0.1782103	0.26189696	2.4194450	21	5 14.6	17.0
21745 Shadfan	14.7	X	309.39817	133.53818	334.72387	4.42744	0.0670395	0.23372117	2.6101814	21	12 30.1	17.9
21746 Carrieshaw	16.0	X	148.62831	16.04504	258.63990	1.32190	0.1086409	0.28177178	2.3042931	21	—	—
21747 Justsolomon	14.8	X	236.39735	250.72433	198.93444	2.23915	0.1912628	0.21965971	2.7204189	21	8 8.0	19.0
21748 Srinivasan	15.4	X	241.12726	320.18121	336.61157	3.45888	0.1873257	0.29657656	2.2269553	21	1 27.1	18.8
21749 1999 RM_{172}	13.8	X	88.42411	259.09136	137.08057	6.11978	0.2538701	0.24056539	2.5604361	21	1 7.5	16.3
21750 Tartakahashi	15.6	X	104.69354	30.26072	54.56547	6.28103	0.1151962	0.29479280	2.2359297	21	3 11.8	18.1
21751 Jennytaylor	15.5	X	213.32610	239.86080	252.77351	1.52734	0.1387970	0.26855911	2.3792649	21	9 16.6	18.9
21752 Johnthurmon	14.6	X	236.88231	50.20477	44.36030	5.15384	0.1222934	0.26673486	2.3901007	21	8 28.9	17.8
21753 Trudel	14.9	X	155.72079	327.80208	115.69371	8.18202	0.0826203	0.25613716	2.4555813	21	5 14.3	18.5
21754 Tvaruzkova	15.1	X	337.78699	268.53812	149.43776	7.46280	0.1072160	0.27517764	2.3409598	21	12 19.9	17.6
21755 1999 RE_{190}	13.8	X	52.97625	232.13351	234.98473	7.16471	0.2070525	0.24407627	2.5358234	21	1 27.1	16.0
21756 1999 RB_{192}	15.6	X	322.65124	286.98939	0.03716	3.98407	0.1177391	0.30849090	2.1692411	21	4 24.6	17.8
21757 1999 RQ_{194}	12.9	X	39.63184	68.28368	342.61577	16.12598	0.2493145	0.18955762	3.0012940	21	—	—
21758 Adrianveres	14.4	X	47.80955	149.92988	265.59068	6.32461	0.0928397	0.28430826	2.2905673	21	—	—
21759 1999 RG_{197}	15.0	X	246.45836	137.01417	198.37178	12.30104	0.0950945	0.25493945	2.4632662	21	3 30.9	18.5
21760 1999 RM_{199}	14.1	X	330.70313	359.64490	339.63107	10.81987	0.2654820	0.26582613	2.3955447	21	7 21.2	15.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
21761 1999 RB_{201}	15.0	X	120.41095	112.03654	233.74620	12.06493	0.1814492	0.23996763	2.5646864	21	—	—
21762 1999 RD_{201}	14.3	X	249.72473	282.26995	302.94781	14.29329	0.0693686	0.24098432	2.5574679	21	—	—
21763 1999 RR_{201}	13.3	X	224.24348	102.03533	294.21716	11.68436	0.1631908	0.21244841	2.7816366	21	5 21.7	18.0
21764 1999 RY_{205}	13.9	X	327.91204	261.97265	215.97413	12.99332	0.1480445	0.23448762	2.6044905	21	—	—
21765 1999 RU_{206}	13.7	X	321.34875	111.55553	295.18689	11.78117	0.2117503	0.22446016	2.6814922	21	10 8.1	16.5
21766 1999 RW_{208}	12.8	X	289.88965	178.13617	233.48707	6.47377	0.2172053	0.22064226	2.7123366	21	8 17.6	16.2
21767 1999 RB_{209}	13.7	X	318.67377	59.67166	319.62374	7.60903	0.1609405	0.17571751	3.1568893	21	8 28.3	17.4
21768 1999 RL_{210}	13.4	X	294.50101	48.51229	258.82442	7.61340	0.0615048	0.21054028	2.7984180	21	4 30.0	17.2
21769 1999 RS_{210}	15.1	X	63.05277	114.30509	221.84813	13.86240	0.1650624	0.23095739	2.6309634	21	12 27.6	19.1
21770 Wangyiran	14.5	X	21.89379	71.22053	293.65547	5.06402	0.0480922	0.27334128	2.3514327	21	12 5.8	17.3
21771 1999 RQ_{211}	14.7	X	294.42777	42.70692	331.19665	9.99315	0.2113404	0.21797570	2.7344122	21	7 8.8	18.2
21772 1999 RU_{211}	13.1	X	339.47677	25.25130	339.59020	11.80367	0.1983745	0.17674595	3.1446313	21	9 14.3	16.3
21773 1999 RH_{216}	13.9	X	164.02713	291.19436	138.77623	9.04515	0.2689554	0.21038081	2.7998320	21	5 17.4	19.0
21774 O'Brien	15.6	X	318.18890	267.22413	155.69731	6.66050	0.0828732	0.27554487	2.3388794	21	11 23.2	18.0
21775 Tsiganis	15.2	X	240.43058	189.53351	107.35512	5.27137	0.1368307	0.29546466	2.2325388	21	1 27.8	18.3
21776 Kryszczyńska	14.9	X	14.98265	311.81102	90.51387	5.48322	0.1288758	0.23232275	2.6206452	21	—	—
21777 1999 RS_{221}	13.9	X	316.83742	232.04980	275.46534	8.38792	0.0238632	0.19206941	2.9750704	21	—	—
21778 Andrewarren	14.9	X	157.34941	347.14680	159.45637	1.45237	0.1255816	0.26239930	2.4163561	21	8 8.4	18.5
21779 1999 RE_{231}	14.5	X	172.96271	178.93141	120.22353	10.44792	0.1197126	0.24157210	2.5533178	21	—	—
21780 1999 RY_{237}	14.7	X	209.78553	177.10815	107.04084	8.22110	0.1478139	0.28943082	2.2634602	21	—	—
21781 1999 RE_{239}	15.2	X	67.13453	102.50281	129.68360	7.74034	0.0329448	0.26338834	2.4103032	21	8 3.1	18.2
21782 Davemcdonald	15.3	X	84.05655	150.22603	130.54604	5.33953	0.1488900	0.27361476	2.3498657	21	11 19.2	18.7
21783 1999 RR_{248}	14.9	X	246.16468	349.37885	118.63893	4.00013	0.0645526	0.22889161	2.6467695	21	10 2.1	18.5
21784 1999 SO_{1}	13.5	X	265.26064	44.96227	27.63679	6.42203	0.0862209	0.22051426	2.7133861	21	9 6.8	17.1
21785 Méchain	14.7	X	239.70776	358.83499	22.89629	18.66863	0.1727193	0.21316540	2.7753957	21	5 14.2	19.4
21786 1999 SB_{4}	13.8	X	9.88413	311.32269	2.97530	7.14358	0.1270577	0.17660385	3.1463180	21	9 5.1	17.5
21787 1999 SG_{4}	13.0	X	323.66546	109.08424	54.30644	14.27953	0.1165372	0.23814126	2.5777826	21	—	—
21788 1999 SZ_{5}	14.1	X	261.71246	239.73730	161.28697	22.59923	0.3208710	0.26055510	2.4277446	21	6 20.2	18.5
21789 Frankwasser	14.3	X	64.59568	293.54500	107.98851	6.39237	0.1660196	0.28488225	2.2874896	21	—	—
21790 1999 SN_{7}	13.6	X	324.65413	271.96262	114.03041	14.23572	0.1353589	0.18047279	3.1011890	21	9 27.9	17.5
21791 Mattweegman	14.4	X	344.90979	289.29426	48.71900	7.60036	0.1508944	0.26894676	2.3769781	21	9 6.6	16.5
21792 1999 ST_{7}	13.1	X	242.33807	43.48158	25.90069	10.11148	0.2334565	0.17307521	3.1889385	21	7 17.3	18.4
21793 1999 SG_{8}	13.9	X	9.98917	272.44775	103.96634	10.02259	0.1478173	0.18487556	3.0517553	21	11 29.4	17.7
21794 1999 SK_{8}	13.9	X	11.30409	44.45735	40.55085	14.01908	0.1369538	0.23873238	2.5735256	21	—	—
21795 Masi	14.9	X	299.23060	81.55707	337.04772	1.83786	0.1911966	0.26795080	2.3828645	21	9 26.6	16.9
21796 1999 SH_{11}	14.5	X	316.55310	225.32234	70.24873	8.93976	0.1893143	0.21260279	2.7802898	21	4 29.9	17.9
21797 1999 SW_{11}	14.3	X	0.51868	338.71319	62.26401	6.88416	0.0913799	0.27361295	2.3498760	21	12 30.9	17.0
21798 Mitchweegman	14.5	X	141.36525	267.84825	118.47229	6.50695	0.1632220	0.29285845	2.2457645	21	2 13.4	17.4
21799 Ciociaria	13.6	X	31.12222	152.65198	197.73297	17.00519	0.1268269	0.18274101	3.0754739	21	11 24.2	17.8
21800 1999 TM_{1}	14.7	X	153.89729	47.34502	20.71299	8.41519	0.0568798	0.29686404	2.2255174	21	4 11.7	17.4
21801 Ančerl	14.3	X	268.75495	6.30474	65.43001	5.37353	0.0912843	0.26598110	2.3946141	21	9 14.4	17.2
21802 Svoreň	14.6	X	14.42205	255.65818	186.28044	8.62559	0.0179428	0.23653678	2.5894265	21	—	—
21803 1999 TC_{7}	13.8	X	235.76978	160.71212	32.89927	7.37869	0.0654567	0.27783879	2.3259880	21	—	—
21804 Václavneumann	14.3	X	293.77058	261.23872	97.96372	3.83611	0.2672742	0.12627185	3.9348817	21	6 10.0	19.7
21805 1999 TQ_{9}	13.6	X	358.11934	194.88524	191.35455	0.72294	0.1864863	0.18045038	3.1014457	21	11 23.1	16.8
21806 1999 TE_{14}	15.0	X	343.49842	252.57786	73.04351	1.80677	0.2200255	0.26508905	2.3999832	21	8 5.6	16.3
21807 1999 TH_{14}	13.6	X	349.85553	232.81568	103.70659	1.87220	0.1800872	0.17534293	3.1613836	21	8 30.1	16.9
21808 1999 TR_{18}	13.8	X	106.06177	38.53205	7.99419	1.79043	0.1057785	0.19724507	2.9227967	21	2 4.3	17.8
21809 1999 TG_{19}	14.1	X	56.86575	351.11078	300.31975	3.67144	0.0170591	0.22274306	2.6952554	21	10 1.7	17.8
21810 1999 TK_{19}	14.4	X	94.86306	314.95148	45.29618	3.29594	0.1423100	0.23633344	2.5909116	21	—	—
21811 Burroughs	14.0	X	227.52894	92.75041	11.12835	5.13597	0.1029338	0.17281652	3.1921201	21	8 25.9	18.7
21812 1999 TZ_{22}	15.0	X	34.26320	324.67149	136.08108	2.99417	0.0890973	0.19557673	2.9393949	21	—	—
21813 Danwinegar	14.7	X	49.64369	229.15340	0.63406	2.98721	0.1634948	0.25974768	2.4327731	21	7 25.5	17.2
21814 Shanawolff	14.1	X	8.82747	321.40826	231.48133	3.95216	0.0745191	0.29230059	2.2486210	21	2 27.1	16.3
21815 Fanyang	14.1	X	22.39686	69.68493	207.19580	4.22394	0.0800907	0.26421822	2.4052536	21	8 3.4	16.8
21816 1999 TE_{31}	13.9	X	343.74419	46.39366	9.89685	14.94316	0.1207322	0.22875526	2.6478212	21	12 13.1	17.2
21817 Yingling	14.3	X	260.12443	300.09441	206.01812	4.21947	0.1798437	0.22767649	2.6561785	21	11 20.1	17.7
21818 Yurkanin	14.1	X	333.58630	124.55768	341.66785	2.01773	0.0575375	0.18792146	3.0186896	21	—	—
21819 1999 TX_{32}	13.7	X	64.03868	19.49526	234.96593	1.05893	0.0876809	0.17532023	3.1616566	21	8 31.6	18.1
21820 1999 TQ_{34}	14.7	X	102.83537	255.07218	30.51575	13.15778	0.2379454	0.27737106	2.3286021	21	12 16.1	18.8
21821 Billryan	14.7	X	66.54092	306.74104	127.58117	2.88490	0.0880839	0.19546906	2.9404741	21	1 13.3	18.4
21822 Degiorgi	14.0	X	298.22622	100.14867	147.59983	12.66111	0.1274011	0.24621672	2.5211055	21	2 3.0	17.6
21823 1999 TX_{72}	14.8	X	5.27912	197.78864	101.61827	3.30362	0.1832353	0.26224331	2.4173142	21	8 17.5	16.6
21824 1999 TD_{75}	15.1	X	248.52586	196.69368	74.26177	2.77354	0.1006744	0.24631877	2.5204091	21	1 12.8	18.9
21825 Zhangyizhong	14.9	X	332.58213	253.88945	56.43329	1.55817	0.1694550	0.26356589	2.4092207	21	6 16.8	16.8
21826 Youjiazhong	15.4	X	182.15677	254.10647	66.85498	1.77265	0.1569971	0.29011277	2.2599118	21	1 2.9	18.7
21827 Chingzhu	15.0	X	32.64605	87.53722	135.23761	8.19562	0.0508983	0.25822174	2.4423478	21	6 1.0	17.9
21828 1999 TN_{92}	13.9	X	268.18461	301.67050	125.55573	2.61128	0.1008830	0.17425746	3.1744986	21	8 26.8	18.2
21829 Kaylacornale	14.6	X	154.75366	182.11547	142.06584	7.24861	0.1926712	0.28730102	2.2746327	21	—	—
21830 1999 TW_{93}	14.3	X	8.26478	303.31003	104.71114	3.00212	0.2127756	0.18483743	3.0521751	21	—	—
21831 1999 TX_{93}	13.0	X	332.33017	323.32105	172.97042	11.53663	0.1793673	0.23632668	2.5909610	21	—	—
21832 1999 TZ_{93}	14.6	X	195.28377	150.72591	153.05354	3.96826	0.0474497	0.24308593	2.5427061	21	—	—
21833 1999 TE_{95}	15.2	X	96.19296	248.31501	118.57861	7.44504	0.1293714	0.28354311	2.2946863	21	—	—
21834 1999 TL_{96}	15.0	X	127.60759	202.43930	71.72143	5.91001	0.1690365	0.27782722	2.3260525	21	12 22.4	18.5
21835 1999 TN_{96}	13.6	X	31.47980	190.86304	105.75826	6.29962	0.1453911	0.17737386	3.1372055	21	9 20.9	17.6
21836 1999 TX_{96}	13.3	X	130.23436	145.52210	139.35535	11.11133	0.0832230	0.18771854	3.0208647	21	12 22.2	18.0
21837 1999 TL_{97}	14.8	X	235.38429	314.88519	128.17456	6.84927	0.0851181	0.26335688	2.4104952	21	8 13.6	18.1
21838 1999 TM_{99}	14.3	X	283.59886	230.13370	119.21603	10.44113	0.1676135	0.21459715	2.7630373	21	5 29.2	18.2
21839 1999 TP_{100}	14.4	X	59.36068	329.53995	105.27070	3.35662	0.0929003	0.19521814	2.9429932	21	1 3.9	18.1
21840 Ghoshchoudhury	14.9	X	33.53126	315.66250	94.14771	7.41914	0.0999351	0.27897856	2.3196484	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
21841 1999 TE_{102}	13.6	X	158.99093	182.71389	128.55192	11.58328	0.1020649	0.19293343	2.9661816	21	—	—
21842 1999 TH_{102}	12.3	X	127.40226	115.75559	125.29738	16.41197	0.1936940	0.18093172	3.0959426	21	11 8.2	17.7
21843 1999 TF_{105}	15.3	X	323.86628	286.10376	281.46519	2.60396	0.1010968	0.29103709	2.2551243	21	1 8.5	17.8
21844 1999 TN_{112}	13.8	X	298.27300	233.11578	285.11538	2.67288	0.0597391	0.19199962	2.9757913	21	—	—
21845 1999 TC_{113}	14.5	X	349.51334	318.09626	308.59103	5.47125	0.1137752	0.25933485	2.4353542	21	5 17.6	17.0
21846 Wojakowski	15.1	X	75.72365	271.50460	316.37277	1.72758	0.1116176	0.26433439	2.4045489	21	8 22.0	18.1
21847 1999 TA_{116}	13.9	X	167.34719	102.07362	354.34478	7.21476	0.1982446	0.21041957	2.7994881	21	6 15.9	18.7
21848 1999 TO_{116}	14.3	X	231.25174	202.97522	191.06193	13.10318	0.1862411	0.21262174	2.7801247	21	5 27.2	19.0
21849 1999 TA_{141}	15.5	X	178.53936	234.09235	11.29170	3.18595	0.2056703	0.27760695	2.3272828	21	12 30.7	19.2
21850 Abshir	15.2	X	195.65679	216.69848	305.26523	2.36596	0.0269549	0.22499166	2.6772675	21	10 10.1	19.0
21851 1999 TO_{142}	15.0	X	242.57189	248.85084	98.16224	3.29277	0.2287458	0.25595761	2.4567295	21	4 3.9	19.1
21852 Bolander	15.0	X	171.33484	163.19490	328.53633	5.87369	0.1494476	0.26063470	2.4272503	21	8 4.2	18.6
21853 Kelseykay	14.3	X	44.02372	262.55748	147.27789	4.38479	0.0701264	0.19075649	2.9887058	21	—	—
21854 Brendandwyer	14.7	X	95.61482	243.89765	71.41973	4.59077	0.1267099	0.23276083	2.6173559	21	—	—
21855 1999 TG_{150}	13.4	X	66.73470	141.10785	88.49793	2.89066	0.1057219	0.17141726	3.2094678	21	8 7.1	17.7
21856 Heathermaria	15.4	X	309.37734	20.95282	250.36847	5.44260	0.1584874	0.29941399	2.2128637	21	3 4.4	18.3
21857 1999 TJ_{154}	13.9	X	237.16739	175.77664	152.84516	2.45700	0.0697635	0.20469073	2.8514818	21	3 20.9	18.0
21858 Gosal	13.6	X	245.01025	150.56832	110.09531	3.12899	0.0630919	0.19584701	2.9366899	21	1 7.7	17.8
21859 1999 TF_{172}	15.1	X	94.26205	192.36726	147.68169	3.58792	0.2304138	0.23456980	2.6038821	21	—	—
21860 Joannaguy	13.9	X	293.21755	328.00519	123.65384	3.31739	0.0318156	0.22403485	2.6848848	21	11 15.9	17.3
21861 Maryhedberg	14.4	X	317.36831	244.48099	284.94962	9.45769	0.0492651	0.19308613	2.9646175	21	—	—
21862 Joshuajones	14.2	X	99.70434	11.68035	291.75942	8.71715	0.0732905	0.18407997	3.0605421	21	12 10.5	18.8
21863 1999 TC_{194}	13.7	X	117.15289	234.71389	352.41963	4.89306	0.0636227	0.17493476	3.1662993	21	9 26.8	18.3
21864 1999 TD_{238}	15.2	X	196.48228	162.48732	105.91310	5.35102	0.0867085	0.28363850	2.2941718	21	—	—
21865 1999 TD_{246}	13.4	X	254.88853	33.06982	192.66652	13.46552	0.1254853	0.23672122	2.5880813	21	—	—
21866 1999 TP_{247}	14.9	X	220.75528	196.50531	69.25599	5.17997	0.1047494	0.23878607	2.5731398	21	—	—
21867 1999 TQ_{251}	12.7	X	153.19676	283.13831	169.60490	17.42506	0.0470633	0.15949382	3.3674939	21	5 26.1	18.0
21868 1999 TK_{291}	13.9	X	334.42682	142.95945	184.90356	7.45666	0.1642267	0.21512003	2.7585582	21	7 17.6	16.9
21869 1999 TE_{296}	14.2	X	91.51436	167.25765	79.29837	6.43380	0.0488519	0.22014528	2.7164172	21	9 27.9	18.0
21870 1999 UD_{1}	14.8	X	211.55880	207.25610	44.10569	6.61942	0.1333861	0.28264181	2.2995619	21	—	—
21871 1999 UK_{2}	14.2	X	171.80696	220.18480	35.37753	5.96553	0.1263357	0.27815626	2.3242178	21	—	—
21872 1999 UP_{3}	14.2	X	304.57808	4.52420	52.66066	4.80645	0.1406360	0.22082113	2.7108717	21	10 6.5	17.2
21873 Jindřichůvhradec	13.1	X	336.61155	130.19911	237.89664	4.45455	0.2054539	0.17562149	3.1580399	21	9 11.8	16.5
21874 1999 UB_{6}	14.6	X	298.99869	79.56897	117.78880	3.34437	0.1099232	0.28597878	2.2816386	21	—	—
21875 1999 UD_{6}	13.4	X	145.57394	357.35516	51.84415	9.35269	0.1304164	0.20034964	2.8925242	21	3 30.4	17.9
21876 1999 UL_{9}	14.7	X	35.49977	196.20763	39.93700	6.11945	0.0778747	0.25595170	2.4567674	21	6 26.5	17.4
21877 1999 UL_{12}	16.1	X	96.11751	102.15259	149.66462	2.58081	0.1751466	0.27068780	2.3667748	21	10 27.2	19.6
21878 1999 UF_{13}	12.8	X	306.41863	286.62219	209.28422	10.02133	0.0442129	0.19004456	2.9961652	21	—	—
21879 1999 UH_{13}	14.7	X	130.78381	25.16148	329.37356	2.24179	0.0870045	0.24131200	2.5551522	21	—	—
21880 1999 UF_{14}	14.2	X	219.85935	116.94158	163.79239	4.25901	0.1090128	0.24218514	2.5490072	21	—	—
21881 1999 UK_{15}	14.4	X	267.84559	285.88078	92.56038	2.47096	0.0869441	0.21396770	2.7684535	21	6 26.3	18.0
21882 1999 UL_{16}	15.3	X	292.92829	321.47838	342.37082	1.84834	0.2031207	0.25551958	2.4595365	21	3 29.9	18.6
21883 1999 UC_{25}	14.5	X	149.30236	241.24152	354.19436	6.56424	0.0687363	0.27225850	2.3576632	21	11 23.2	17.8
21884 1999 UO_{26}	14.6	X	131.95841	11.16162	327.44384	3.76706	0.0900183	0.23838362	2.5760351	21	—	—
21885 1999 UY_{27}	14.0	X	21.10372	134.91297	194.95273	10.49112	0.0565928	0.18037964	3.1022566	21	10 4.9	18.0
21886 1999 UZ_{35}	15.2	X	228.88287	311.45608	191.52441	1.76923	0.1452695	0.22681699	2.6628845	21	10 13.4	18.8
21887 Dipippo	13.6	X	4.26715	288.49256	208.27283	9.69974	0.0721992	0.19185297	2.9773075	21	—	—
21888 Ďurech	13.1	X	51.75679	10.54924	351.70827	9.15993	0.0302369	0.18421172	3.0590827	21	12 20.5	17.6
21889 1999 UJ_{47}	14.5	X	233.05827	162.17481	39.34636	4.52315	0.1504955	0.23055554	2.6340197	21	12 30.5	18.2
21890 1999 UG_{50}	14.1	X	16.80282	42.94221	71.32028	10.69131	0.0480218	0.19299005	2.9656013	21	—	—
21891 Andreabocelli	14.6	X	250.04098	92.77128	4.82669	6.99050	0.0802351	0.26552113	2.3973788	21	9 23.2	17.3
21892 1999 VM_{3}	13.8	X	82.06640	193.89937	104.00592	2.49590	0.1531860	0.18024956	3.1037489	21	11 23.9	18.4
21893 1999 VL_{4}	14.7	X	29.66009	217.66554	95.64454	2.93384	0.3728732	0.27170323	2.3608742	21	11 28.6	17.6
21894 1999 VQ_{4}	14.1	X	27.87286	296.55949	172.87184	14.94655	0.0509137	0.23752880	2.5822118	21	—	—
21895 1999 VA_{5}	13.8	X	331.98321	329.82797	45.52581	4.15833	0.1942551	0.17535793	3.1612034	21	9 17.4	17.1
21896 1999 VM_{6}	14.3	X	343.37328	238.26889	118.74141	5.75985	0.1684393	0.17373640	3.1808425	21	9 16.2	17.8
21897 1999 VG_{7}	14.9	X	329.88020	248.06904	58.45518	0.86546	0.0525067	0.21261228	2.7802071	21	6 21.5	18.4
21898 1999 VJ_{7}	13.2	X	316.79429	13.02661	48.29688	9.22096	0.1428550	0.17788229	3.1312248	21	10 25.1	16.8
21899 1999 VU_{8}	13.9	X	215.74031	234.44506	140.79557	13.94835	0.1473247	0.20531244	2.8457225	21	4 25.8	18.7
21900 Orus	10.1	X	306.39900	180.04460	258.55463	8.46845	0.0374488	0.08497267	5.1240874	21	10 22.7	16.9
21901 1999 VZ_{11}	13.5	X	137.25745	352.88549	310.63759	10.03313	0.1510543	0.23586386	2.5943493	21	—	—
21902 1999 VD_{12}	13.8	X	290.31897	183.31461	241.12185	13.77396	0.1896874	0.17350744	3.1836402	21	9 1.4	18.3
21903 Wallace	12.7	X	320.73147	84.23628	28.67038	9.71627	0.0470517	0.18505722	3.0497578	21	—	—
21904 1999 VV_{12}	11.7	X	197.53689	115.28542	73.41813	21.49206	0.1069270	0.17696560	3.1420287	21	11 9.3	16.7
21905 1999 VX_{14}	15.8	X	262.52040	246.46956	279.68897	1.95736	0.0892951	0.28006752	2.3136316	21	—	—
21906 1999 VH_{20}	14.0	X	12.00056	83.41607	288.14128	10.76658	0.1824895	0.22765544	2.6563422	21	12 9.5	17.1
21907 1999 VM_{20}	13.4	X	293.24089	141.43109	319.69596	12.73857	0.1254993	0.22609323	2.6685643	21	11 13.2	16.8
21908 1999 VQ_{21}	15.3	X	355.22569	242.51778	46.37818	3.15357	0.1636777	0.25962396	2.4335459	21	7 4.1	17.4
21909 1999 VR_{21}	14.6	X	9.00660	329.24983	194.74936	6.41509	0.1329415	0.24134296	2.5549337	21	1 23.7	17.5
21910 1999 VT_{23}	13.7	X	189.60542	164.08159	149.07670	6.53247	0.1922288	0.28863799	2.2676032	21	1 2.9	17.3
21911 1999 VW_{23}	13.2	X	259.68771	219.66281	169.63772	9.49077	0.1702667	0.21269629	2.7794750	21	6 19.5	17.5
21912 1999 VL_{24}	13.7	X	349.23246	78.79597	342.77090	12.17129	0.1645296	0.22765905	2.6563142	21	—	—
21913 Taylorjones	14.3	X	303.16867	175.32004	242.03459	1.64620	0.0542832	0.22107174	2.7088226	21	10 11.5	17.8
21914 Melakabinoff	14.5	X	208.65897	30.97037	243.21512	5.51167	0.1874977	0.28213859	2.3022954	21	—	—
21915 Lavins	14.2	X	252.78735	236.56025	63.99454	4.39421	0.1201367	0.24569012	2.5247067	21	2 23.5	18.0
21916 1999 VU_{37}	14.1	X	116.39654	244.46721	64.54879	7.24530	0.1232193	0.27434891	2.3456717	21	—	—
21917 1999 VY_{37}	13.8	X	304.13672	88.98501	77.82160	5.88285	0.1495920	0.18637256	3.0353916	21	—	—
21918 1999 VN_{45}	14.3	X	208.45858	113.62583	23.24942	17.50959	0.2614058	0.21716905	2.7411792	21	9 12.9	19.2
21919 Luga	14.0	X	111.16369	352.56192	288.56977	8.28218	0.0568858	0.18348931	3.0671066	21	11 24.0	18.6
21920 1999 VZ_{47}	14.0	X	193.43953	279.65693	289.93602	10.41967	0.1222964	0.18344136	3.0676410	21	11 21.9	19.0

Planet		H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
		m		°	°	°	°		°				
21921	Camdenmiller	14.1	X	193.14282	19.82459	259.05080	4.81221	0.1661923	0.28352194	2.2948005	21	—	—
21922	Mocz	14.0	X	294.97986	230.96643	24.91362	7.19063	0.1370264	0.29238968	2.2481642	21	2 3.9	17.1
21923	1999 VT_{52}	12.7	X	153.63342	199.69679	77.88506	14.53179	0.1369631	0.22870475	2.6482110	21	—	—
21924	Alyssaovaitt	14.6	X	254.28930	231.78493	28.33969	5.04689	0.0711750	0.24314846	2.5422701	21	1 8.3	18.2
21925	Supasternak	14.9	X	254.29785	155.18712	30.93604	5.10768	0.1197112	0.27763971	2.3270997	21	—	—
21926	Jacobperry	14.4	X	187.93842	162.83479	73.00083	0.50654	0.0391935	0.18585752	3.0409967	21	12 25.1	18.7
21927	Sarahpierz	14.6	X	74.08773	123.14468	200.97065	1.86113	0.0895843	0.18325622	3.0697069	21	12 9.0	19.1
21928	Prabakaran	14.6	X	100.86503	13.80861	212.87893	4.07801	0.0682465	0.21840958	2.7307897	21	9 10.8	18.5
21929	Nileshraval	14.7	X	194.32524	178.86157	58.37169	3.79425	0.0261981	0.23170644	2.6252901	21	—	—
21930	1999 VP_{61}	13.0	X	282.65932	185.28864	201.26353	2.32637	0.2492858	0.12507259	3.9599948	21	7 1.9	18.7
21931	1999 VB_{64}	14.4	X	215.50724	49.80435	221.58426	12.77001	0.1410532	0.23920551	2.5701310	21	—	—
21932	Rios	14.1	X	180.81821	306.83942	63.88090	3.23454	0.0728537	0.20092714	2.8869791	21	3 13.7	18.4
21933	Aaronrozon	14.3	X	279.79001	178.70297	60.77783	2.83885	0.0569542	0.19614025	2.9337621	21	1 21.9	18.5
21934	1999 VY_{71}	13.2	X	358.22136	311.15537	153.57139	12.75195	0.1083217	0.22835553	2.6509103	21	—	—
21935	1999 VZ_{77}	13.8	X	17.48509	203.43261	292.33641	6.26991	0.0923263	0.28719587	2.2751878	21	—	—
21936	Ryan	15.5	X	276.25709	290.28919	330.75911	2.06363	0.0992455	0.29114911	2.2545458	21	1 22.1	18.5
21937	Basheehan	14.6	X	251.40335	36.68072	230.86512	1.05509	0.0343676	0.19724940	2.9227540	21	1 24.5	18.9
21938	1999 VE_{81}	14.5	X	208.14059	200.55887	108.06142	5.58138	0.0891150	0.24030292	2.5623002	21	1 18.8	18.2
21939	Kasmith	14.9	X	227.92261	108.98256	195.69264	1.48918	0.0262899	0.19777133	2.9176095	21	2 11.7	19.1
21940	1999 VU_{91}	14.4	X	133.43843	157.99965	161.07316	14.36641	0.0741067	0.23465092	2.6032819	21	—	—
21941	1999 VU_{92}	14.9	X	202.02978	306.49570	204.95367	11.37136	0.1221993	0.22237071	2.6982633	21	9 25.5	19.0
21942	Subramanian	15.3	X	220.88706	0.71092	219.04986	0.39914	0.1409633	0.22991893	2.6388795	21	—	—
21943	1999 VG_{114}	14.2	X	18.17596	345.17753	300.83796	8.52399	0.2029116	0.26475246	2.4020169	21	8 23.9	16.3
21944	1999 VA_{118}	15.1	X	264.44884	330.01110	196.49155	11.42688	0.1164883	0.23255169	2.6189249	21	12 31.9	18.6
21945	Kleshchonok	14.8	X	314.27856	56.06333	118.03653	5.55140	0.1091243	0.28288073	2.2982669	21	—	—
21946	1999 VD_{138}	14.2	X	178.32504	241.64486	325.38261	7.41175	0.2029236	0.27217635	2.3581375	21	11 10.0	18.2
21947	1999 VG_{141}	14.9	X	318.81373	294.84601	296.80378	1.21787	0.0158083	0.20052359	2.8908512	21	3 4.5	18.9
21948	1999 VY_{149}	16.0	X	113.15994	312.86669	329.71121	0.95988	0.2089983	0.27506480	2.3416000	21	12 20.8	19.9
21949	Tatulian	14.2	X	239.61417	69.59857	40.52638	3.35791	0.1229693	0.22016678	2.7162403	21	9 17.1	18.0
21950	1999 VS_{158}	13.8	X	347.73059	200.86823	240.66191	8.69922	0.0222355	0.18533971	3.0466581	21	—	—
21951	1999 VE_{159}	13.9	X	237.94381	288.91752	240.28041	5.82543	0.0506592	0.18286886	3.0740402	21	12 1.0	18.3
21952	Terry	14.0	X	349.26407	294.67050	322.03539	2.77135	0.1629711	0.25355198	2.4722443	21	4 27.3	16.2
21953	1999 VB_{176}	14.5	X	270.71475	318.75085	87.25753	5.84296	0.1131397	0.21792018	2.7348767	21	8 3.6	18.3
21954	1999 VU_{178}	14.3	X	127.25224	54.73939	163.86678	11.94064	0.0981403	0.22042068	2.7141541	21	10 7.2	18.4
21955	1999 VW_{178}	13.6	X	56.78208	46.84525	172.19402	14.28197	0.1143547	0.21094440	2.7948428	21	7 10.2	17.4
21956	Thangada	14.1	X	133.65413	23.37162	148.40516	9.90772	0.0981329	0.21287808	2.7778924	21	8 12.4	18.3
21957	1999 VU_{179}	13.8	X	20.96359	289.57192	130.90875	11.96090	0.0532331	0.18569513	3.0427694	21	—	—
21958	Tripuraneni	14.2	X	302.97504	5.93942	218.89980	9.35766	0.1041192	0.24195945	2.5505920	21	1 13.0	17.9
21959	1999 VM_{186}	13.3	X	106.45012	350.79316	204.28636	9.55786	0.1013831	0.16824157	3.2497293	21	8 7.6	18.3
21960	1999 VH_{189}	14.2	X	238.60852	253.71684	191.41185	4.23612	0.1177929	0.21441861	2.7645709	21	8 12.0	18.3
21961	1999 VE_{203}	13.0	X	76.42335	270.42368	88.40228	11.39234	0.1163477	0.18990137	2.9976712	21	—	—
21962	Scottsandford	14.0	X	247.23515	257.73944	98.53717	9.86793	0.1736357	0.21230416	2.7828965	21	4 29.1	18.5
21963	1999 VP_{207}	13.6	X	54.92800	130.41735	266.43640	14.74916	0.1839206	0.23593527	2.5938258	21	—	—
21964	Kevinhousen	13.7	X	218.77196	264.71122	201.23582	13.75679	0.0334695	0.17069784	3.2184792	21	8 19.8	18.6
21965	Dones	14.3	X	130.94202	240.46969	126.27786	10.31054	0.0889284	0.19342481	2.9611558	21	1 14.5	18.6
21966	Hamadori	14.4	X	287.76233	230.49444	117.54397	6.59942	0.3089231	0.26315152	2.4117491	21	5 9.6	17.9
21967	1999 WS_{9}	12.3	X	127.03187	209.29490	81.41648	10.35948	0.0825028	0.22445984	2.6814947	21	12 31.7	16.4
21968	1999 WE_{10}	13.8	X	89.19056	172.50420	81.95829	8.08121	0.0682742	0.21370708	2.7707039	21	10 7.8	17.8
21969	1999 WJ_{17}	14.8	X	269.36323	288.31138	222.18018	6.04543	0.0666686	0.27689103	2.3312926	21	—	—
21970	Tyle	14.4	X	90.41348	269.58203	74.23432	6.14435	0.1682645	0.28214942	2.3022365	21	—	—
21971	1999 XG	14.2	X	23.61389	289.49197	49.93284	12.18424	0.2159255	0.22845274	2.6501582	21	11 19.6	17.3
21972	1999 XU	14.5	X	63.57334	273.16389	71.70854	6.64629	0.2515139	0.23335783	2.6128900	21	—	—
21973	1999 XP_{1}	14.3	X	101.99748	8.55754	59.48298	6.46766	0.1604961	0.24503547	2.5292014	21	2 28.7	17.5
21974	1999 XV_{1}	13.5	X	11.13236	308.99528	93.75364	5.16208	0.1028614	0.22813135	2.6526466	21	—	—
21975	1999 XR_{2}	14.5	X	149.79044	54.47553	319.35253	4.31249	0.1710225	0.29016171	2.2596577	21	2 6.9	17.4
21976	1999 XV_{2}	13.5	X	197.78334	273.96260	258.78363	7.82613	0.1707759	0.26786813	2.3833547	21	10 17.7	17.3
21977	1999 XW_{2}	13.3	X	68.34991	231.26916	257.84406	10.75999	0.0708879	0.24709881	2.5151021	21	3 10.3	16.6
21978	1999 XW_{3}	14.3	X	34.18372	124.63919	223.69076	11.69238	0.1045786	0.17911130	3.1168846	21	11 21.2	18.5
21979	1999 XQ_{4}	14.6	X	296.94951	317.23319	180.98177	3.04191	0.0644207	0.22942058	2.6426996	21	—	—
21980	1999 XA_{5}	14.7	X	164.79706	195.38106	144.70879	2.29040	0.0849957	0.19431584	2.9520967	21	1 19.1	19.0
21981	1999 XX_{5}	13.4	X	131.03502	144.25942	54.58861	5.93463	0.0910212	0.21494627	2.7600447	21	9 16.2	17.5
21982	1999 XL_{8}	14.9	X	76.10016	263.34042	230.17588	3.17634	0.1439656	0.28949473	2.2631271	21	4 7.4	16.9
21983	1999 XB_{12}	13.9	X	258.88844	222.57105	286.94061	11.78506	0.1156996	0.22626833	2.6671874	21	12 1.0	17.5
21984	1999 XC_{12}	13.6	X	130.65375	342.91205	339.63409	9.70303	0.0450858	0.18826504	3.0150158	21	—	—
21985	Šejna	14.2	X	236.13030	11.31369	168.98876	0.73035	0.1173471	0.18013283	3.1050895	21	12 2.9	18.5
21986	Alexanduribe	14.5	X	340.87983	322.59336	43.82528	7.46704	0.1330114	0.26955226	2.3734171	21	10 11.1	16.6
21987	1999 XH_{18}	14.7	X	109.52947	143.85437	203.85662	6.97638	0.2432456	0.23847681	2.5753639	21	—	—
21988	1999 XQ_{20}	14.2	X	75.31305	355.03942	54.55623	10.88520	0.0630585	0.19262441	2.9693530	21	—	—
21989	Werntz	14.0	X	307.50503	249.67021	188.39254	3.82582	0.1714982	0.17859716	3.1228636	21	10 27.4	17.6
21990	Garretyazzie	14.0	X	182.47288	189.50198	148.96486	2.56201	0.1011605	0.19772767	2.9180389	21	2 4.7	18.6
21991	Zane	14.7	X	237.73124	241.01178	113.11822	3.12805	0.0885003	0.20655686	2.8342814	21	4 21.5	18.9
21992	1999 XZ_{23}	14.4	X	57.69764	243.59316	34.20757	4.35441	0.0913756	0.31105886	2.1572857	21	10 10.2	16.8
21993	1999 XH_{26}	14.5	X	178.73310	14.38782	324.18034	1.10602	0.0728309	0.19767267	2.9185802	21	1 30.8	18.8
21994	1999 XU_{26}	15.4	X	26.91531	149.42158	102.37110	1.91586	0.1294942	0.30288083	2.1959453	21	7 11.3	17.1
21995	1999 XL_{29}	14.4	X	307.06790	133.32262	103.20455	6.70850	0.1273782	0.24282056	2.5445583	21	2 1.6	17.8
21996	1999 XP_{31}	12.9	X	203.97025	226.43028	114.13989	16.02102	0.1368616	0.24007225	2.5639413	21	2 27.3	17.1
21997	1999 XP_{36}	13.4	X	92.85511	11.62839	20.80138	10.81159	0.1788838	0.23770267	2.5809525	21	—	—
21998	1999 XH_{37}	13.9	X	355.59537	334.21719	164.20243	14.79641	0.0343778	0.23626094	2.5914417	21	—	—
21999	Disora	13.2	X	157.21529	190.36794	78.84623	14.32585	0.1609791	0.22725979	2.6594244	21	—	—
22000	1999 XF_{40}	13.7	X	139.16596	113.11504	86.93710	3.07088	0.0783281	0.17393145	3.1784641	21	9 20.9	18.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
22001 1999 XY_{41}	13.6	X	193.48163	311.86495	348.70569	0.55218	0.0983125	0.19391164	2.9561976	21	1 2.8	18.2
22002 Richardregan	14.5	X	285.14005	279.36817	244.20710	3.37827	0.1304962	0.23061762	2.6335469	21	—	—
22003 Startek	14.3	X	26.53841	133.63083	7.39202	1.46007	0.0563860	0.19603900	2.9347722	21	2 7.6	17.9
22004 1999 XF_{45}	14.4	X	353.27447	229.52884	62.63257	13.44408	0.1634961	0.25902956	2.4372673	21	7 4.7	16.7
22005 Willnelson	14.3	X	187.38015	315.72407	320.41243	0.88073	0.0716761	0.18845011	3.0130415	21	—	—
22006 1999 XP_{51}	13.7	X	213.71013	245.33858	355.68059	0.82382	0.0844818	0.18627159	3.0364885	21	—	—
22007 1999 XQ_{57}	14.0	X	190.53754	28.51961	233.13824	9.30532	0.0463679	0.18592767	3.0402318	21	—	—
22008 1999 XM_{71}	11.6	X	337.13363	293.22907	108.68240	4.26335	0.0110284	0.08447958	5.1440071	21	10 23.2	18.4
22009 1999 XK_{77}	11.8	X	290.93162	334.59587	113.96223	5.60179	0.0278255	0.08276988	5.2146022	21	10 21.3	18.7
22010 1999 XM_{78}	12.3	X	359.82036	317.51363	65.32815	1.40540	0.0170821	0.08573831	5.0935366	21	10 26.5	18.9
22011 1999 XR_{81}	13.7	X	309.05874	24.35353	84.96208	18.52593	0.1785826	0.17963669	3.1108043	21	12 9.7	17.2
22012 1999 XO_{82}	11.8	X	254.47548	27.25040	98.74528	7.40425	0.1104791	0.08324022	5.1949404	21	10 13.0	18.8
22013 1999 XO_{89}	13.5	X	58.52224	8.71605	264.80637	8.14757	0.1187802	0.21188761	2.7865425	21	9 21.9	17.4
22014 1999 XQ_{96}	10.2	X	281.86370	202.31449	260.11711	29.56196	0.1062067	0.08426126	5.1528885	21	10 5.6	17.3
22015 1999 XM_{100}	12.9	X	43.18838	351.69276	87.21307	12.45076	0.0924530	0.18712906	3.0272054	21	—	—
22016 1999 XU_{101}	13.0	X	64.81538	39.17730	296.27285	9.48226	0.0797091	0.17609863	3.1523328	21	12 8.9	17.6
22017 1999 XT_{104}	12.9	X	78.15337	299.53563	84.52442	11.20902	0.1190559	0.18454160	3.0554361	21	—	—
22018 1999 XK_{105}	13.3	X	43.33478	131.52039	274.01104	9.74566	0.1114867	0.18536409	3.0463910	21	—	—
22019 1999 XU_{106}	14.5	X	240.09049	205.90313	37.99909	10.28363	0.1846263	0.28433743	2.2904107	21	—	—
22020 1999 XG_{108}	13.6	X	129.08822	106.16348	98.88993	2.49432	0.1237259	0.17268121	3.1937873	21	9 19.0	18.6
22021 1999 XQ_{108}	13.8	X	123.73181	95.02718	108.53659	2.04492	0.1081261	0.17116764	3.2125874	21	9 10.2	18.7
22022 1999 XR_{110}	14.4	X	295.35402	320.55333	268.73502	5.13043	0.1234457	0.28791541	2.2713956	21	—	—
22023 1999 XH_{114}	12.8	X	51.17457	338.77844	343.83433	13.26782	0.1466444	0.22518632	2.6757244	21	11 21.0	16.7
22024 1999 XY_{114}	14.0	X	57.97109	40.72066	4.74591	13.92710	0.1944947	0.23441143	2.6050548	21	—	—
22025 1999 XS_{118}	13.9	X	309.22626	266.99001	47.17935	9.58661	0.1561090	0.21060318	2.7978607	21	5 16.4	17.2
22026 1999 XS_{119}	13.9	X	73.42732	314.60995	32.48467	9.27064	0.1893862	0.18488975	3.0515992	21	—	—
22027 1999 XS_{120}	14.3	X	200.32140	332.44496	283.91264	5.71088	0.0875642	0.27860351	2.3217297	21	—	—
22028 1999 XP_{125}	14.7	X	197.79144	309.14895	334.40159	5.32731	0.1789272	0.28306377	2.2972761	21	—	—
22029 1999 XN_{126}	14.6	X	49.25811	273.87808	6.17887	4.30402	0.0935699	0.21678979	2.7443753	21	9 19.5	18.1
22030 1999 XU_{127}	14.2	X	103.94645	61.48464	157.97229	5.46145	0.0996622	0.26008408	2.4306749	21	9 14.3	17.4
22031 1999 XA_{137}	13.7	X	102.56539	301.20523	96.38369	10.55501	0.0841007	0.19222330	2.9734823	21	1 17.8	17.7
22032 Mikekoop	14.1	X	112.58270	308.30588	65.08655	13.26642	0.1905228	0.24060219	2.5601750	21	1 4.6	17.4
22033 1999 XH_{154}	14.0	X	190.42074	269.28668	233.40456	8.57940	0.1307532	0.21349021	2.7725799	21	8 30.6	18.6
22034 1999 XL_{168}	13.6	X	230.15183	197.79495	331.45077	6.80238	0.0658394	0.22462654	2.6801679	21	11 25.2	17.4
22035 1999 XR_{170}	11.8	X	314.65718	128.18228	286.50855	16.45036	0.1004388	0.08286956	5.2104195	21	9 23.6	18.6
22036 1999 XL_{181}	13.5	X	115.68549	341.52163	340.60840	9.82816	0.1368108	0.18599216	3.0395290	21	—	—
22037 1999 XQ_{181}	13.8	X	273.34443	255.02249	287.84433	12.20766	0.0900046	0.18575279	3.0421397	21	—	—
22038 Margarshain	15.4	X	154.15291	68.02537	9.00713	5.85725	0.1255105	0.29451669	2.2373269	21	4 30.2	18.5
22039 1999 XA_{185}	13.9	X	5.25176	77.48551	24.21297	10.21108	0.0413077	0.18746266	3.0236129	21	—	—
22040 1999 XR_{188}	12.8	X	284.07334	123.91456	49.16143	10.13903	0.0336885	0.18451812	3.0556952	21	—	—
22041 1999 XK_{192}	11.8	X	299.61368	71.90165	25.03369	10.17716	0.0555795	0.08423604	5.1539169	21	11 2.9	18.4
22042 1999 XP_{194}	12.1	X	352.56135	3.42714	24.42053	6.86490	0.0933531	0.08383467	5.1703540	21	10 23.2	18.4
22043 1999 XW_{204}	13.0	X	292.28161	18.70070	323.53072	16.48974	0.1100460	0.20618054	2.8377291	21	6 5.9	17.1
22044 1999 XS_{206}	12.2	X	135.35696	269.41013	319.62441	20.42235	0.0350559	0.16937982	3.2351538	21	10 5.9	17.3
22045 1999 XD_{211}	13.1	X	105.63786	2.36549	14.18827	10.35952	0.2132503	0.18918003	3.0052863	21	1 17.2	17.4
22046 1999 XU_{211}	12.7	X	158.73140	243.69508	340.58736	16.86995	0.0698680	0.17075761	3.2177281	21	10 30.4	17.9
22047 1999 XU_{215}	13.8	X	199.22799	0.07078	275.91977	12.76254	0.1371123	0.23531048	2.5984151	21	—	—
22048 1999 XK_{238}	14.4	X	233.17920	343.65399	159.18466	12.32454	0.1189387	0.22120979	2.7076955	21	10 24.1	18.4
22049 1999 XW_{257}	11.8	X	265.19271	252.53624	202.85019	2.57235	0.0601223	0.08251225	5.2254507	21	9 22.9	18.8
22050 1999 YV_{13}	13.0	X	221.64830	245.33007	120.96041	10.02153	0.0806262	0.19812354	2.9141506	21	4 23.6	17.5
22051 2000 AS_{7}	13.4	X	247.82711	234.17714	295.54011	14.28572	0.0963387	0.17829763	3.1263601	21	12 5.9	18.0
22052 2000 AQ_{14}	11.2	X	330.49112	322.32766	83.55748	11.88673	0.0370576	0.08359593	5.1801933	21	10 21.9	18.0
22053 2000 AO_{17}	13.1	X	200.89544	151.15499	98.17447	12.95489	0.1496122	0.22734350	2.6587715	21	—	—
22054 2000 AP_{21}	11.3	X	242.05732	230.83597	287.05960	20.91452	0.0527065	0.08317596	5.1976158	21	11 2.0	18.5
22055 2000 AS_{25}	11.1	X	91.28460	214.70608	83.55573	10.96589	0.0260240	0.08175916	5.2574896	21	11 7.9	18.1
22056 2000 AU_{31}	11.8	X	28.29760	342.02359	35.85633	7.19450	0.1464174	0.08447231	5.1443023	21	12 3.1	18.1
22057 Brianking	14.9	X	174.87054	357.98341	329.02996	6.45365	0.1307220	0.28742114	2.2739988	21	1 1.6	18.1
22058 2000 AA_{64}	12.4	X	177.00424	88.47662	119.89983	7.65093	0.0757792	0.12302605	4.0037904	21	11 3.8	18.4
22059 2000 AD_{75}	11.2	X	224.15732	321.00280	213.98158	7.80425	0.1091536	0.08333539	5.1909846	21	11 2.6	18.3
22060 2000 AF_{76}	13.1	X	246.76899	131.42014	123.16170	10.57149	0.0339515	0.18954651	3.0014114	21	1 5.4	17.6
22061 2000 AX_{98}	13.6	X	208.61364	170.16712	158.79608	2.90865	0.1369126	0.20120303	2.8843395	21	2 18.4	18.2
22062 2000 AL_{99}	13.5	X	22.75826	148.43861	188.49881	5.37866	0.1739688	0.17863621	3.1224085	21	10 31.3	17.3
22063 Dansealey	14.5	X	246.76066	118.98172	106.69702	6.11599	0.0861723	0.28174588	2.3044343	21	—	—
22064 Angelalewis	14.0	X	344.26514	140.71453	203.97330	9.61244	0.1069500	0.21912653	2.7248299	21	9 1.3	17.3
22065 Colgrove	14.3	X	48.32714	194.04305	89.28016	8.13127	0.0162758	0.26370810	2.4083544	21	9 20.3	17.4
22066 2000 AX_{100}	13.4	X	285.69976	292.72072	119.34710	7.38020	0.0926839	0.17186760	3.2038589	21	9 2.1	17.8
22067 2000 AM_{101}	13.5	X	314.69078	217.46561	109.38265	7.87561	0.1556450	0.21312925	2.7757095	21	6 12.9	16.9
22068 2000 AG_{103}	12.9	X	194.66360	151.13874	92.81582	14.96442	0.0797935	0.18406443	3.0607143	21	—	—
22069 2000 AK_{105}	12.9	X	31.90377	241.22450	229.75355	9.71632	0.0696229	0.18994721	2.9971888	21	1 7.6	16.8
22070 2000 AN_{106}	12.3	X	331.55307	222.24437	123.55322	13.75226	0.2756929	0.12391054	3.9847146	21	7 22.7	16.7
22071 2000 AB_{107}	13.0	X	228.37374	29.95334	119.77418	16.58519	0.0462324	0.17370842	3.1811841	21	11 2.5	17.9
22072 2000 AT_{112}	13.2	X	96.37483	250.28422	136.12777	10.80478	0.1163708	0.18682310	3.0305097	21	1 1.3	17.3
22073 2000 AX_{112}	13.5	X	127.01898	127.97228	141.62997	12.28948	0.1303662	0.17372035	3.1810385	21	12 3.1	18.7
22074 2000 AB_{113}	12.5	X	195.41087	179.97848	140.78161	11.97522	0.0967989	0.18982415	2.9984840	21	1 28.3	17.1
22075 2000 AL_{138}	14.3	X	80.59398	237.62723	79.80560	10.25696	0.0771082	0.22957802	2.6414913	21	12 14.9	17.9
22076 2000 AZ_{138}	13.8	X	101.63485	195.07544	206.78550	11.50141	0.0556542	0.19521311	2.9430438	21	1 14.2	18.1
22077 2000 AL_{140}	14.5	X	154.98538	180.99704	136.85464	7.73134	0.2831268	0.24052785	2.5607026	21	—	—
22078 2000 AF_{149}	13.9	X	138.00344	188.75983	133.78719	12.79491	0.1891160	0.23336122	2.6128647	21	—	—
22079 Kabinoff	14.3	X	126.79829	293.68044	72.23022	6.13085	0.1803329	0.24166119	2.5526902	21	1 11.9	17.7
22080 Emilevasseur	14.2	X	173.15348	292.27224	308.65117	6.19753	0.0781939	0.27516490	2.3410320	21	12 29.5	17.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
22081 2000 AA_{165}	14.2	X	251.28372	202.03937	164.86308	4.40727	0.1238262	0.21255012	2.7807492	21	5 18.6	18.3
22082 Rountree	14.1	X	299.77992	8.05838	95.38845	3.70449	0.1982584	0.22764495	2.6564239	21	11 25.4	16.6
22083 2000 AN_{165}	12.8	X	288.02251	180.80866	225.43690	21.10601	0.0342907	0.16917648	3.2377457	21	8 26.7	17.7
22084 2000 AX_{168}	14.0	X	145.24264	145.01170	119.18289	11.68980	0.1462344	0.22725947	2.6594269	21	12 19.3	18.4
22085 2000 AA_{169}	13.7	X	189.53448	56.33060	210.12360	13.16460	0.1225714	0.23201623	2.6229528	21	—	—
22086 2000 AG_{170}	13.1	X	196.15653	62.48176	125.11658	13.73697	0.0121804	0.17661415	3.1461956	21	11 12.6	17.8
22087 2000 AZ_{175}	13.0	X	149.97829	332.18582	138.20278	13.41326	0.0664850	0.20402639	2.8576683	21	6 12.3	17.4
22088 2000 AT_{185}	13.5	X	26.13602	333.95656	97.31480	14.08265	0.1283371	0.23424622	2.6062795	21	—	—
22089 2000 AA_{186}	13.8	X	127.79021	346.08932	161.20072	9.56132	0.0941462	0.20987092	2.8043650	21	7 4.6	18.1
22090 2000 AC_{186}	13.6	X	226.81175	279.10682	183.09075	14.08613	0.1012991	0.17033116	3.2230966	21	8 18.8	18.6
22091 2000 AY_{186}	14.4	X	91.96067	234.37343	144.67660	12.01242	0.0295341	0.23511346	2.5998665	21	—	—
22092 2000 AQ_{199}	13.3	X	55.20311	324.24508	137.20771	14.36913	0.1035277	0.24127980	2.5553795	21	1 19.8	16.1
22093 2000 AG_{200}	14.4	X	286.43374	217.92959	148.83499	10.18242	0.1662032	0.21649035	2.7469053	21	6 23.4	18.3
22094 2000 AQ_{200}	13.4	X	323.63220	208.24129	174.74315	16.42670	0.1095816	0.17424545	3.1746444	21	9 16.6	17.2
22095 2000 AY_{204}	12.7	X	217.55499	342.36810	168.18001	17.43148	0.0616143	0.17102216	3.2144089	21	10 16.1	17.5
22096 2000 AF_{229}	13.6	X	183.49644	166.86482	292.91276	14.67471	0.2045148	0.21093704	2.7949078	21	7 4.8	18.4
22097 2000 BH_{4}	12.4	X	219.32267	216.80486	322.44725	16.16844	0.1842570	0.17488544	3.1668946	21	10 30.4	17.8
22098 2000 BJ_{16}	13.7	X	227.81987	272.40696	308.13414	9.69695	0.1804160	0.22931320	2.6435245	21	—	—
22099 2000 EX_{106}	17.9	X	21.14718	186.58141	136.45515	9.84553	0.2763283	0.84918529	1.1044204	21	—	—
22100 2000 GV_{93}	13.4	X	266.27230	216.52910	128.16483	11.95025	0.1134505	0.19110059	2.9851171	21	5 12.9	18.0
22101 2000 JG_{15}	13.0	X	155.50702	87.69206	67.36122	17.67237	0.0635828	0.19572394	2.9379208	21	8 20.1	17.7
22102 Karenlamb	13.9	X	167.19082	197.16344	71.50676	6.31743	0.0594897	0.21096394	2.7946702	21	—	—
22103 2000 LR_{17}	14.5	X	149.93968	83.16238	207.01177	4.41191	0.2019545	0.25326291	2.4741251	21	—	—
22104 2000 LN_{19}	13.5	X	313.70170	128.66434	260.31964	12.21209	0.2438609	0.23721198	2.5845105	21	8 21.6	16.3
22105 Pirko	14.4	X	247.95327	282.94327	68.27259	8.09594	0.2078822	0.27112495	2.3642300	21	4 15.6	18.2
22106 Tomokoarai	12.9	X	203.17895	251.44548	238.97617	24.33376	0.2563502	0.23459950	2.6036623	21	8 14.9	18.0
22107 2000 OV_{21}	15.1	X	70.99682	309.14361	33.96323	6.37855	0.2549262	0.29150562	2.2527073	21	—	—
22108 2000 PD	12.7	X	57.67459	40.69187	301.89193	11.72474	0.1080732	0.19501698	2.9450167	21	12 17.1	17.0
22109 Loriehutch	15.3	X	22.12696	317.22985	57.11522	6.63795	0.1886265	0.28989273	2.2610552	21	—	—
22110 2000 QR_{7}	13.9	X	288.95274	123.29254	262.57706	6.50999	0.2823552	0.22695111	2.6618352	21	7 3.6	17.5
22111 2000 QK_{150}	14.5	X	114.14622	104.20758	279.38224	5.54868	0.2322393	0.25287836	2.4766327	21	1 22.7	17.6
22112 Staceyraw	14.8	X	282.14929	159.24053	240.62005	4.99812	0.1705058	0.27204004	2.3589251	21	7 31.8	17.6
22113 2000 RH_{9}	14.3	X	355.48368	0.13265	136.66617	5.64308	0.0668001	0.29422413	2.2388097	21	—	—
22114 2000 RB_{50}	13.7	X	213.39231	72.47750	39.16471	8.45731	0.0761734	0.27424068	2.3462888	21	8 31.4	17.0
22115 2000 RB_{62}	13.5	X	183.29910	108.80438	60.88200	12.38408	0.1352891	0.22599658	2.6693251	21	10 6.8	17.8
22116 2000 RK_{71}	12.9	X	311.90373	193.48508	114.77050	5.57463	0.0461956	0.12842643	3.8907481	21	6 2.9	18.3
22117 2000 SX_{39}	14.3	X	281.94389	87.46632	37.15500	13.42498	0.1431696	0.23994104	2.5648759	21	11 29.8	17.3
22118 2000 SL_{86}	13.5	X	249.96571	350.63849	54.16804	11.59359	0.2159195	0.17714150	3.1399483	21	6 23.4	18.6
22119 2000 SA_{101}	13.1	X	159.76014	209.51500	275.23315	11.78012	0.1081041	0.22194839	2.7016851	21	7 11.1	17.2
22120 Gaylefarrar	15.6	X	325.93494	181.18217	207.64408	4.17669	0.1793703	0.28207242	2.3026555	21	10 13.9	16.9
22121 2000 SM_{107}	14.9	X	184.25747	4.87624	324.17133	1.47949	0.1638309	0.30489348	2.1862708	21	1 13.3	18.0
22122 2000 SU_{155}	13.7	X	258.86625	243.96173	191.76481	9.03355	0.0854260	0.17981509	3.1087464	21	8 25.7	18.1
22123 2000 SG_{172}	12.2	X	97.86920	260.28225	73.80657	11.66981	0.1098784	0.18979741	2.9987656	21	—	—
22124 2000 ST_{183}	15.4	X	46.17393	277.21110	133.81111	2.34871	0.2230329	0.29527428	2.2334983	21	—	—
22125 2000 SH_{186}	14.0	X	11.21908	156.12796	225.30226	13.12250	0.1692040	0.23628306	2.5912799	21	12 21.0	17.1
22126 2000 SR_{187}	13.5	X	57.71186	234.29731	101.23501	10.74809	0.0974667	0.19255773	2.9700385	21	12 7.5	17.7
22127 2000 SZ_{226}	14.3	X	189.74706	250.79451	129.41431	10.05529	0.1741571	0.21311583	2.7758260	21	4 6.9	19.0
22128 2000 SH_{242}	13.7	X	179.42546	149.63933	25.13942	6.12176	0.2249303	0.23845095	2.5755502	21	10 2.5	18.2
22129 2000 SD_{311}	13.4	X	248.19272	37.81548	323.64109	15.84935	0.1849465	0.17347146	3.1840804	21	4 26.5	18.8
22130 2000 UT_{3}	14.6	X	259.85726	218.60316	159.43468	7.95941	0.2159991	0.26558721	2.3969811	21	5 30.2	18.3
22131 2000 UK_{4}	15.7	X	48.40772	226.56540	154.39564	2.58849	0.1751543	0.29042287	2.2583028	21	—	—
22132 Merkley	14.4	X	0.30462	289.41035	148.34579	2.65744	0.0785928	0.19525015	2.9426716	21	—	—
22133 2000 UO_{56}	13.9	X	9.37569	246.11653	82.55207	11.34449	0.0769052	0.18165258	3.0877467	21	9 25.1	18.1
22134 Kirian	14.7	X	328.27348	340.26868	328.27346	1.34017	0.1870659	0.17780453	3.1321377	21	6 6.9	18.2
22135 2000 UA_{100}	13.1	X	72.39783	33.23671	258.63827	12.65498	0.1538201	0.23415546	2.6069529	21	11 12.5	16.9
22136 Jamesharrison	14.8	X	236.66503	227.98463	261.13007	3.82855	0.0860411	0.27828910	2.3234781	21	10 17.4	17.7
22137 Annettelee	15.1	X	30.64579	238.98683	197.70453	1.70507	0.1188209	0.24538238	2.5268171	21	—	—
22138 Laynrichards	14.4	X	271.53132	294.84592	72.08213	2.03027	0.1577937	0.17436140	3.1732369	21	6 6.8	18.9
22139 Jamescox	14.6	X	114.28995	64.40055	113.21013	5.81539	0.1296655	0.26697018	2.3886960	21	8 4.4	17.8
22140 Suzyamamoto	14.9	X	195.79569	209.61268	204.46793	3.30319	0.0998073	0.21611514	2.7500838	21	5 20.4	19.0
22141 2000 VH_{36}	14.2	X	41.68790	186.93602	232.53341	8.07495	0.2793638	0.24222253	2.5487448	21	—	—
22142 Loripryor	15.1	X	160.91161	232.25225	150.29006	5.30078	0.1582009	0.30072233	2.2064407	21	2 27.8	18.0
22143 Cathyfowler	15.3	X	123.94561	110.84469	250.47840	0.66666	0.1925143	0.29507946	2.2344813	21	—	—
22144 Linmichaels	14.3	X	307.08364	284.77893	80.65472	6.39686	0.1401098	0.27101477	2.3648707	21	7 30.8	16.7
22145 2000 WJ_{17}	14.9	X	351.31922	69.24742	63.52274	10.09695	0.1725964	0.29212962	2.2494982	21	—	—
22146 Samaan	14.8	X	283.14869	151.00239	163.72724	7.50833	0.0851938	0.21585526	2.7522906	21	4 24.9	18.7
22147 2000 WP_{32}	13.5	X	329.91000	249.93232	100.50790	12.60767	0.2086696	0.17984789	3.1083684	21	8 7.9	16.9
22148 Francislee	15.0	X	353.00308	65.45379	214.74251	6.33911	0.0835814	0.22007259	2.7170152	21	6 18.9	18.2
22149 2000 WD_{49}	10.3	X	240.18359	226.10446	292.36483	21.47738	0.0443575	0.08395193	5.1655385	21	10 31.8	17.6
22150 2000 WM_{49}	14.5	X	197.75202	336.44269	126.89531	12.30205	0.1144645	0.26537593	2.3982532	21	7 24.6	18.1
22151 Davebracy	14.8	X	104.18530	18.43325	315.81725	1.05199	0.0867627	0.19542068	2.9409594	21	—	—
22152 Robbennett	16.0	X	208.97728	242.96884	169.10250	2.13369	0.1977911	0.26596809	2.3946922	21	5 26.4	19.8
22153 Kathbarnhart	15.1	X	337.35477	0.13135	161.73481	1.64579	0.1126944	0.24473173	2.5312936	21	—	—
22154 2000 WV_{72}	14.1	X	28.01441	134.53484	130.75391	7.07797	0.0640216	0.17553529	3.1590737	21	7 23.3	18.3
22155 Marchetti	14.6	X	62.42603	22.56105	342.40835	6.52287	0.1339907	0.28324991	2.2962695	21	—	—
22156 Richoffman	14.8	X	5.91265	95.19203	276.57765	2.62477	0.1923643	0.28211110	2.3024450	21	12 15.9	16.9
22157 Bryanhoran	14.1	X	190.28408	301.91974	216.58654	0.41814	0.1178953	0.17831075	3.1262068	21	9 20.7	19.1
22158 Chee	14.6	X	82.12061	328.90293	89.78737	9.30176	0.1292222	0.24554963	2.5256695	21	1 8.1	17.2
22159 2000 WW_{116}	13.9	X	197.24959	354.21737	68.05620	10.40077	0.1243803	0.21561605	2.7543259	21	5 31.4	18.2
22160 2000 WP_{120}	13.7	X	315.11545	52.77559	41.89159	5.57831	0.1647578	0.23383919	2.6093030	21	12 17.8	16.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
22161 Santagata	14.7	X	280.78872	335.43124	20.30082	2.48063	0.0912777	0.21839132	2.7309420	21	6 11.8	18.4
22162 Leslijohnson	14.5	X	82.59995	294.54793	83.47921	4.23776	0.1818274	0.24252842	2.5466013	21	—	—
22163 2000 WF_{125}	13.9	X	131.04177	132.96592	194.36561	10.68544	0.1477522	0.24507367	2.5289386	21	—	—
22164 2000 WE_{135}	14.4	X	281.64634	100.13670	5.64080	11.63323	0.1589111	0.23000524	2.6382193	21	10 28.8	17.6
22165 Kathydouglas	15.8	X	316.76547	157.43001	327.39725	3.36429	0.1061890	0.28464128	2.2887804	21	—	—
22166 2000 WX_{154}	14.5	X	213.13570	57.62503	268.70513	11.07900	0.1990962	0.25804186	2.4434827	21	2 8.5	18.7
22167 Lane–Cline	15.5	X	327.71099	83.67219	11.61261	6.44425	0.0702018	0.28184752	2.3038803	21	—	—
22168 Weissflog	15.7	X	294.44064	34.70579	254.92892	2.97423	0.2694118	0.31149658	2.1552643	21	2 24.8	19.0
22169 2000 WP_{165}	14.3	X	144.67977	159.97065	165.50453	10.30212	0.1449624	0.20047338	2.8913339	21	—	—
22170 2000 WE_{175}	14.0	X	26.96137	241.35398	115.35288	14.35745	0.2074207	0.23621683	2.5917642	21	12 19.8	17.3
22171 Choi	14.6	X	324.20797	337.83949	126.41099	8.44949	0.0907817	0.23861515	2.5743685	21	—	—
22172 2000 XQ_{11}	14.2	X	280.88498	331.48181	153.21541	15.34907	0.0606594	0.23747467	2.5826042	21	12 12.7	17.7
22173 Myersdavis	13.9	X	42.55122	71.98299	341.98541	9.64126	0.1321728	0.24243529	2.5472534	21	—	—
22174 Allisonmae	14.7	X	359.73892	71.89334	332.49934	7.44659	0.0787169	0.23428792	2.6059702	21	12 22.5	17.9
22175 2000 XS_{29}	14.2	X	280.60809	291.88265	42.00687	14.21246	0.1343956	0.21470912	2.7620767	21	5 6.8	17.9
22176 2000 XG_{36}	13.2	X	258.67600	55.29476	313.07428	13.38652	0.1775577	0.26851794	2.3795080	21	5 14.4	17.1
22177 Saotome	12.3	X	27.10892	210.68684	70.35919	23.91086	0.1397406	0.17432416	3.1736888	21	9 1.0	16.7
22178 2000 XW_{40}	14.5	X	33.40385	355.47427	331.35102	13.92498	0.0970620	0.23123640	2.6288466	21	10 24.1	18.1
22179 2000 YY	14.6	X	159.51289	109.44220	296.16388	5.78370	0.1265383	0.25608892	2.4558897	21	3 27.2	18.2
22180 2000 YZ	10.2	X	225.92778	145.42942	247.61905	29.30059	0.0708613	0.08365896	5.1775911	21	6 1.3	17.3
22181 2000 YA_{6}	14.4	X	300.26124	216.80305	146.06825	7.43159	0.2696383	0.22551459	2.6731272	21	6 20.7	17.8
22182 2000 YR_{9}	14.9	X	209.62438	190.67561	276.07650	5.57931	0.0925762	0.27047073	2.3680409	21	8 11.7	18.3
22183 Canonlau	13.5	X	64.31273	221.29023	110.02028	14.39206	0.1896497	0.23346311	2.6121045	21	12 28.2	17.4
22184 Rudolfveltman	14.4	X	182.53718	201.77509	99.78927	10.38484	0.1773038	0.28953118	2.2629371	21	—	—
22185 Štiavnica	12.6	X	286.24387	274.88508	100.07055	22.59153	0.0043843	0.17188845	3.2035998	21	7 28.6	17.2
22186 2000 YO_{30}	16.2	X	19.08491	224.75596	20.59438	2.56488	0.1039112	0.30627371	2.1796975	21	6 10.4	17.9
22187 2000 YZ_{33}	13.2	X	144.46306	340.67560	292.08631	20.66641	0.1472007	0.18174249	3.0867283	21	12 22.7	18.3
22188 2000 YU_{61}	15.0	X	71.47017	157.58081	206.75947	1.35086	0.2287311	0.23847274	2.5753932	21	—	—
22189 Gijskatgert	15.5	X	250.40646	142.25935	325.48989	3.64382	0.0818569	0.27461498	2.3441563	21	10 6.6	18.3
22190 Stellakwee	14.1	X	301.85270	74.22436	193.01273	16.80468	0.0735955	0.20407852	2.8571816	21	3 17.9	18.0
22191 Achúcarro	15.3	X	339.19963	165.63158	222.08329	3.52610	0.0871620	0.22684724	2.6626478	21	10 27.1	18.3
22192 Vivienreuter	14.8	X	294.18222	184.00912	185.14358	7.24133	0.1274405	0.22415784	2.6839027	21	7 12.6	18.3
22193 2712 *P–L*	14.8	X	146.08826	134.29681	112.32108	2.97192	0.0462120	0.22851909	2.6496452	21	11 29.1	18.6
22194 2740 *P–L*	15.4	X	312.14900	244.79211	164.95057	5.46815	0.1035753	0.22633589	2.6666566	21	10 13.5	18.3
22195 Nevadodelruiz	15.3	X	251.26043	175.59224	3.72203	23.66045	0.0346810	0.37569773	1.9021452	21	—	—
22196 3518 *P–L*	13.8	X	40.83273	140.21102	278.78732	7.55281	0.0744544	0.19830341	2.9123882	21	—	—
22197 3555 *P–L*	14.5	X	166.51327	310.76742	332.09746	6.53835	0.1065730	0.27975547	2.3153518	21	—	—
22198 4080 *P–L*	13.9	X	199.98401	17.99055	208.45402	3.94859	0.1145635	0.18196307	3.0842333	21	12 19.7	18.7
22199 Klonios	11.7	X	308.95698	45.51103	16.66261	9.07431	0.0825220	0.08074018	5.3016318	21	10 5.3	18.3
22200 4573 *P–L*	13.9	X	198.22815	69.71858	20.24998	9.45791	0.0721037	0.17414068	3.1759176	21	7 10.1	18.8
22201 4584 *P–L*	14.8	X	327.94974	219.01551	166.58504	5.88523	0.2122270	0.27484342	2.3428572	21	10 12.9	16.3
22202 4715 *P–L*	15.7	X	241.98799	96.98039	148.62492	2.93270	0.1335941	0.26563272	2.3967073	21	—	—
22203 Prothoenor	11.6	X	95.04261	96.92652	189.40913	1.38017	0.1004575	0.08311728	5.2000616	21	11 5.0	18.6
22204 6121 *P–L*	14.3	X	244.20440	155.59797	262.93368	0.14263	0.1809887	0.17493395	3.1663091	21	7 8.8	19.2
22205 6703 *P–L*	15.2	X	252.03264	309.94568	167.92142	4.10124	0.0215115	0.22749020	2.6576284	21	10 28.1	18.7
22206 6735 *P–L*	14.5	X	331.16984	26.16004	11.64897	5.13881	0.1497453	0.17783221	3.1318126	21	10 16.6	18.0
22207 7081 *P–L*	16.2	X	99.22046	106.44992	348.58601	4.96170	0.1151998	0.29982037	2.2108637	21	3 13.3	18.5
22208 7605 *P–L*	14.0	X	345.27320	209.04733	170.77460	11.84743	0.1635871	0.17810498	3.1286142	21	10 21.9	17.6
22209 1056 *T–1*	14.4	X	232.00735	218.34911	345.79571	11.54962	0.1331308	0.22917452	2.6445909	21	—	—
22210 2206 *T–1*	15.3	X	324.79729	226.25230	18.37774	4.75408	0.1142456	0.29487709	2.2355035	21	3 1.5	17.7
22211 3106 *T–1*	14.8	X	162.59723	61.76914	243.06550	2.93537	0.2085659	0.28838774	2.2689148	21	—	—
22212 3195 *T–1*	14.8	X	125.85419	100.51714	338.62246	4.75276	0.1209701	0.29579238	2.2308895	21	3 29.0	17.4
22213 4322 *T–1*	15.7	X	49.84545	71.23448	158.11797	2.97157	0.1320352	0.25942458	2.4347925	21	7 18.4	18.3
22214 4326 *T–1*	13.7	X	107.00598	162.09419	170.31188	10.77757	0.1186693	0.18962155	3.0006194	21	—	—
22215 1108 *T–2*	14.7	X	0.77403	313.11448	353.02014	6.34406	0.1318106	0.26565824	2.3965539	21	8 16.0	16.8
22216 1242 *T–2*	14.3	X	261.64620	35.33091	183.79159	13.82833	0.1953711	0.23445483	2.6047333	21	—	—
22217 1260 *T–2*	14.3	X	270.73255	304.99466	179.22076	7.86661	0.1187595	0.22817966	2.6522722	21	11 17.1	17.6
22218 2064 *T–2*	15.2	X	324.56780	188.98668	194.68415	5.68823	0.0526368	0.22573259	2.6714058	21	9 28.7	18.5
22219 2066 *T–2*	14.2	X	142.08587	115.77257	214.41221	4.96491	0.0977314	0.19199275	2.9758623	21	—	—
22220 2097 *T–2*	15.2	X	189.35142	164.55273	350.73512	6.74642	0.0542452	0.26658056	2.3910229	21	9 26.2	18.3
22221 2243 *T–2*	14.8	X	186.62647	303.85460	168.05698	2.58357	0.1480416	0.26302496	2.4125227	21	7 22.9	18.6
22222 Hodios	12.4	X	313.03730	25.61732	48.85723	2.40279	0.0447698	0.08628169	5.0721289	21	10 27.9	19.0
22223 3232 *T–2*	15.3	X	86.83373	138.59069	123.97128	4.51207	0.1360638	0.28904592	2.2654692	21	10 30.7	18.4
22224 3270 *T–2*	14.8	X	212.37089	66.81134	72.36367	3.34228	0.1335996	0.26663740	2.3906831	21	9 27.2	18.2
22225 4091 *T–2*	14.7	X	64.90214	205.37687	109.24752	3.44066	0.1997762	0.22905150	2.6455377	21	12 8.9	18.6
22226 4328 *T–2*	15.3	X	259.64869	124.26348	50.30480	4.16150	0.1226364	0.29256326	2.2472748	21	—	—
22227 Polyxenos	11.9	X	299.73052	157.86810	289.86428	10.95074	0.1344257	0.08246207	5.2275706	21	10 10.9	18.7
22228 5081 *T–2*	14.5	X	248.47790	322.78399	210.50474	14.59410	0.0523380	0.23017430	2.6369273	21	12 26.9	18.2
22229 5415 *T–2*	15.6	X	135.09135	133.73594	294.43425	5.81150	0.1282921	0.29947456	2.2125653	21	3 24.3	18.6
22230 1022 *T–3*	14.5	X	9.52518	41.69218	336.69766	10.24384	0.0638732	0.18089405	3.0963724	21	11 16.2	18.8
22231 2239 *T–3*	14.8	X	232.39484	191.32548	322.45461	5.01128	0.1150802	0.22530419	2.6747911	21	11 1.4	18.8
22232 2311 *T–3*	13.9	X	296.69747	74.80449	211.24620	9.04353	0.0331284	0.19334839	2.9619360	21	4 12.4	18.0
22233 3093 *T–3*	14.8	X	318.52509	156.25262	194.95623	5.89822	0.1397244	0.26642996	2.3919238	21	7 26.5	17.2
22234 3166 *T–3*	15.5	X	185.33396	305.69138	179.24865	2.45656	0.1555395	0.26449494	2.4035757	21	8 7.6	19.2
22235 3502 *T–3*	16.0	X	117.83183	108.44802	45.84695	1.64323	0.0406369	0.30870654	2.1682307	21	6 24.7	18.6
22236 3535 *T–3*	14.8	X	262.16312	37.56376	24.35163	2.41762	0.1881078	0.26610215	2.3938878	21	8 4.1	17.8
22237 3833 *T–3*	15.2	X	115.23532	329.33057	92.89329	1.83074	0.0601198	0.21246625	2.7814809	21	2 26.3	18.8
22238 3854 *T–3*	14.3	X	188.59825	43.60872	136.50515	2.33992	0.1014952	0.17968823	3.1102094	21	10 16.9	19.0
22239 4030 *T–3*	14.7	X	268.39130	316.45772	133.82181	4.23681	0.0631915	0.22366164	2.6878708	21	10 7.7	18.2
22240 4039 *T–3*	15.1	X	67.91459	149.05999	120.03542	2.63265	0.1000232	0.31357394	2.1457349	21	10 14.2	17.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
22241 4072 *T–3*	13.7	X	324.08357	301.01072	158.47117	5.90195	0.1293006	0.18231032	3.0803155	21	12 25.8	17.3
22242 4080 *T–3*	13.9	X	175.84484	211.96520	38.98755	11.08415	0.0815458	0.18408444	3.0604926	21	12 26.6	18.7
22243 4141 *T–3*	14.5	X	306.08216	267.64675	118.79671	6.01987	0.1856415	0.17666703	3.1455677	21	8 15.4	18.2
22244 4235 *T–3*	14.2	X	294.73341	24.36466	67.72527	5.12036	0.0276926	0.27078002	2.3662373	21	11 27.1	16.9
22245 4309 *T–3*	14.9	X	268.29304	211.29571	154.17251	5.52620	0.1755404	0.21923973	2.7238919	21	5 29.3	18.9
22246 4380 *T–3*	15.1	X	264.20945	345.11904	70.10638	5.23851	0.1012065	0.22085133	2.7106246	21	8 9.9	18.8
22247 4611 *T–3*	14.3	X	324.71486	355.33828	44.50201	11.39807	0.1053595	0.17871625	3.1214761	21	10 14.5	18.1
22248 5029 *T–3*	13.8	X	135.64145	136.28707	131.81658	10.05166	0.0263747	0.18234013	3.0799798	21	12 6.3	18.4
22249 Dvorets Pionerov	15.1	X	15.78355	148.57012	186.97116	3.86118	0.2469148	0.28266708	2.2994249	21	11 20.6	17.3
22250 Konstfrolov	14.2	X	99.19145	328.96781	34.32238	4.74584	0.2266751	0.23667394	2.5884260	21	—	—
22251 1978 RT_{6}	15.5	X	207.74793	111.20009	165.41589	5.93288	0.1700758	0.28638531	2.2794788	21	—	—
22252 1978 SG	15.0	X	239.26749	308.88125	345.79894	7.50943	0.2387948	0.29022055	2.2593522	21	1 24.0	18.9
22253 Sivers	13.4	X	198.14822	290.28222	1.72733	15.23653	0.1837297	0.23918587	2.5702717	21	—	—
22254 Vladbarmin	14.7	X	351.83436	280.19406	72.96025	3.38312	0.2616762	0.27520812	2.3407869	21	10 27.4	15.9
22255 1978 VX_{4}	15.2	X	64.63918	269.76897	65.83462	4.27053	0.1465669	0.27700552	2.3306502	21	—	—
22256 1978 VP_{9}	15.4	X	77.67862	83.74011	237.17549	6.37317	0.1342679	0.27666415	2.3325670	21	12 30.4	18.8
22257 1978 VJ_{10}	15.0	X	332.55731	275.29815	80.23649	4.73047	0.2397047	0.22649272	2.6654255	21	8 23.4	17.2
22258 1979 MB_{3}	14.2	X	275.82133	126.79556	118.44196	14.45304	0.1750612	0.22699668	2.6614790	21	1 6.2	18.3
22259 1979 MD_{5}	14.0	X	88.67939	139.19064	116.68431	10.05383	0.1119634	0.21494128	2.7600873	21	10 15.2	18.2
22260 Ur	14.4	X	279.37436	347.05916	13.54120	6.14736	0.1522123	0.22945867	2.6424071	21	6 6.0	18.0
22261 1980 AB	13.5	X	1.49388	342.01314	120.63219	18.11075	0.2011633	0.23696903	2.5862767	21	—	—
22262 1980 PZ_{2}	14.0	X	213.09128	224.50888	355.89721	23.69451	0.2365295	0.27527597	2.3404023	21	—	—
22263 Pignedoli	14.4	X	236.39771	241.02789	170.58399	11.02304	0.2677166	0.26057979	2.4275912	21	6 15.2	18.6
22264 1981 EX_{8}	14.5	X	252.13854	2.64658	293.69035	3.54755	0.1499534	0.24440372	2.5335579	21	2 12.8	18.5
22265 1981 EE_{11}	15.4	X	307.36786	316.65137	319.87183	2.90592	0.1577084	0.29537106	2.2330105	21	3 11.9	18.1
22266 1981 EQ_{11}	15.5	X	120.60657	101.89518	262.42302	4.43013	0.1250918	0.28994051	2.2608068	21	—	—
22267 1981 ET_{23}	15.2	X	179.93769	356.97003	6.20679	6.22747	0.1976827	0.29408060	2.2395382	21	2 27.0	18.6
22268 1981 EJ_{26}	14.8	X	191.55062	298.31278	35.02275	1.55532	0.1282876	0.31646521	2.1326458	21	1 21.9	17.7
22269 1981 EK_{27}	14.6	X	149.35808	74.39439	354.01830	5.39413	0.0842581	0.29674357	2.2261197	21	4 8.2	17.4
22270 1981 EQ_{30}	14.2	X	123.75121	316.71294	1.32688	12.64488	0.2668495	0.23661254	2.5888738	21	—	—
22271 1981 EZ_{32}	14.7	X	34.59909	262.12043	191.35093	10.01512	0.0509206	0.19277390	2.9678178	21	—	—
22272 1981 EY_{39}	16.4	X	18.48251	346.22777	189.94869	0.97470	0.0955405	0.29473252	2.2362345	21	2 18.3	18.3
22273 1981 QO_{3}	15.6	X	128.09279	202.47773	114.45573	2.33379	0.1737507	0.27970468	2.3156321	21	—	—
22274 1981 RN	14.1	X	315.17058	29.63017	298.53158	6.30381	0.1484871	0.26792208	2.3830347	21	6 14.1	16.7
22275 Barentsen	13.2	X	239.15537	351.34223	101.73085	27.14603	0.1998510	0.26485699	2.4013848	21	8 22.0	17.1
22276 Belkin	14.4	X	62.51029	343.58036	9.08808	7.85947	0.3390403	0.23198055	2.6232218	21	—	—
22277 Hirado	14.1	X	122.85799	290.05245	60.97938	13.05383	0.1701417	0.23494856	2.6010829	21	—	—
22278 Protitch	13.7	X	53.00629	60.99459	329.52306	11.69572	0.1834301	0.24081325	2.5586790	21	—	—
22279 1984 DM	12.7	X	200.08791	238.77770	322.28138	13.80634	0.2427101	0.17718017	3.1394915	21	11 6.1	18.3
22280 Mandragora	13.9	X	267.44352	283.93429	280.66256	0.56566	0.1978379	0.18598709	3.0395842	21	—	—
22281 Popescu	14.0	X	293.20183	87.09810	184.50131	3.22894	0.1100695	0.29360812	2.2419401	21	2 22.3	16.9
22282 1985 RA	13.4	X	312.65427	110.47057	275.92620	7.73602	0.1735778	0.21773401	2.7364354	21	8 27.2	16.5
22283 Pytheas	14.8	X	268.02982	195.73188	146.00354	7.97703	0.2469419	0.30442271	2.1885242	21	4 16.1	18.1
22284 1986 SH	14.3	X	91.85609	2.38219	8.97682	13.81170	0.1978678	0.23404865	2.6077460	21	—	—
22285 1987 RR	13.1	X	47.47981	208.30758	156.11398	12.87435	0.1778427	0.17929870	3.1147124	21	—	—
22286 1988 BO_{3}	14.0	X	43.86302	263.99894	194.88436	8.29777	0.1274454	0.23839059	2.5759849	21	—	—
22287 1988 RL_{12}	14.5	X	355.86299	196.59608	202.63367	0.39105	0.1684224	0.18203037	3.0834730	21	12 4.7	17.8
22288 1988 TR_{2}	13.4	X	26.32320	41.43512	25.50889	15.46888	0.2691074	0.18516996	3.0485198	21	—	—
22289 1988 XV_{1}	12.5	X	16.22679	300.20036	72.95807	19.29047	0.2292097	0.17872990	3.1213172	21	12 12.1	16.1
22290 1989 AO	14.4	X	142.99240	321.53983	115.12620	15.47149	0.2426275	0.25295790	2.4761135	21	5 8.9	18.7
22291 Heitifer	13.0	X	311.29715	284.24429	139.39165	17.83820	0.1142455	0.17304510	3.1893084	21	10 25.9	17.3
22292 Mosul	14.4	X	150.03702	239.69396	135.41274	3.54062	0.1659706	0.19910220	2.9045933	21	2 21.8	18.9
22293 1989 SK_{4}	15.0	X	59.11492	228.92123	167.72298	4.49362	0.1617896	0.28558442	2.2837385	21	—	—
22294 Simmons	15.0	X	65.35737	97.13453	295.17300	3.80408	0.2017028	0.28579645	2.2826088	21	—	—
22295 1989 SZ_{9}	13.6	X	358.77205	215.25700	2.25721	12.26802	0.1590284	0.26810066	2.3819764	21	3 17.1	15.5
22296 1989 TW_{4}	15.6	X	34.30948	348.54117	53.23507	6.85309	0.1545685	0.28389805	2.2927733	21	—	—
22297 1989 WA_{1}	14.1	X	59.53235	60.53108	69.57092	9.87284	0.0645575	0.29106536	2.2549783	21	2 28.6	16.6
22298 1990 EJ	12.6	X	240.26604	212.19077	345.42652	8.85761	0.1612089	0.18057704	3.0999952	21	12 22.6	17.2
22299 Georgesteiner	13.7	X	143.02807	309.82128	358.87083	11.40756	0.0640073	0.24422953	2.5347625	21	—	—
22300 1990 OY	13.9	X	192.53013	189.16131	154.43139	14.08208	0.1992032	0.24184914	2.5513675	21	2 17.9	18.1
22301 1990 OB_{1}	14.3	X	284.77895	38.82065	231.36239	8.61190	0.2107459	0.27717030	2.3297264	21	1 30.8	18.0
22302 1990 OG_{4}	14.1	X	327.93638	84.23130	266.52831	11.04333	0.2881476	0.22278158	2.6949447	21	7 21.1	16.5
22303 1990 QE_{4}	14.1	X	148.69705	181.11528	157.14690	14.31466	0.2789756	0.23661835	2.5888314	21	1 11.9	18.4
22304 1990 RU_{9}	14.0	X	201.24191	154.08407	150.21022	10.98734	0.1784794	0.24005117	2.5640914	21	1 9.0	18.3
22305 1990 SD_{2}	14.6	X	340.50919	190.09859	149.47654	7.44928	0.2026140	0.28469424	2.2884965	21	8 25.6	15.6
22306 1990 SF_{4}	14.2	X	260.50757	55.56156	230.28220	10.61801	0.2237912	0.24298007	2.5434446	21	1 31.2	18.6
22307 1990 SU_{4}	14.7	X	281.26007	327.74241	34.46876	4.08001	0.1923629	0.28213404	2.3023202	21	6 2.9	17.7
22308 1990 UO_{4}	13.9	X	290.94007	134.58386	188.39525	12.10640	0.1427228	0.21348518	2.7726235	21	5 7.1	17.7
22309 1990 VO_{4}	15.3	X	219.55942	334.85859	116.56187	7.78302	0.1208818	0.21471096	2.7620609	21	7 31.4	19.5
22310 1990 WU_{1}	14.6	X	222.28502	194.12865	182.98035	8.46843	0.2342757	0.21115039	2.7930248	21	4 26.5	19.4
22311 1991 EF_{2}	14.3	X	85.70596	18.43756	175.73644	5.42664	0.0559352	0.30268431	2.1968957	21	7 9.3	16.8
22312 Kelly	14.2	X	311.31150	335.42401	219.40116	24.55956	0.1935223	0.28777484	2.2721352	21	—	—
22313 1991 GP_{3}	13.5	X	184.88017	58.79753	214.12173	2.35971	0.2111130	0.18424743	3.0586874	21	—	—
22314 1991 GV_{3}	14.7	X	204.99270	270.61717	32.07028	5.63624	0.1718759	0.28684786	2.2770277	21	1 3.9	18.3
22315 1991 GA_{4}	15.8	X	270.03092	20.48242	201.13036	4.17517	0.1358486	0.28669706	2.2778261	21	—	—
22316 1991 LO_{1}	15.3	X	262.58468	167.96649	86.94848	5.85290	0.0996200	0.28625288	2.2801818	21	—	—
22317 1991 LL_{2}	13.8	X	80.28310	85.06785	211.77205	1.85802	0.1373018	0.17442651	3.1724471	21	11 17.9	18.5
22318 1991 PG_{1}	14.9	X	322.25157	194.63238	127.46477	12.42228	0.2732008	0.26027200	2.4295048	21	5 30.4	17.5
22319 1991 PX_{6}	15.2	X	64.23264	250.17292	41.33533	1.85229	0.1826062	0.26776332	2.3839766	21	11 12.7	18.2
22320 1991 PH_{18}	14.6	X	319.90419	150.02437	156.00085	12.34457	0.2134119	0.25844867	2.4409179	21	5 13.2	17.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
22321 1991 *RP*	14.1	*X*	333.90905	193.18793	156.35213	25.98609	0.2576149	0.26224705	2.4172912	21	8 15.5	15.6
22322 Bodensee	14.2	*X*	150.63303	119.32397	318.16941	3.82442	0.0665901	0.25117653	2.4878069	21	4 24.3	17.7
22323 1991 RC_6	14.4	*X*	107.15023	339.21274	20.55604	13.61441	0.1929884	0.24100747	2.5573041	21	—	—
22324 1991 RQ_9	14.7	*X*	353.81186	4.75004	314.40462	1.65300	0.2210392	0.26158639	2.4213596	21	8 22.7	16.3
22325 1991 RE_{19}	14.3	*X*	25.68081	7.37911	327.33057	6.13472	0.1347236	0.26566071	2.3965390	21	11 9.2	17.1
22326 1991 *SZ*	14.0	*X*	33.78034	261.90792	52.68030	7.23916	0.1495480	0.26536323	2.3983297	21	10 30.5	16.7
22327 1991 *TS*	14.6	*X*	15.10517	192.67120	130.38737	6.33332	0.1051955	0.26246573	2.4159484	21	10 6.9	17.2
22328 1991 VJ_1	14.9	*X*	80.15643	276.21720	107.56959	2.43430	0.3098375	0.23906413	2.5711442	21	—	—
22329 1991 VT_5	14.6	*X*	95.75199	205.42911	154.80957	6.79072	0.0697760	0.23730888	2.5838069	21	—	—
22330 1991 VU_5	14.6	*X*	47.56216	165.14723	196.73302	11.11020	0.1904758	0.23388125	2.6089902	21	—	—
22331 1992 AC_1	13.7	*X*	18.03476	158.12154	271.98864	11.66586	0.2723365	0.23336477	2.6128383	21	—	—
22332 1992 DD_8	14.1	*X*	311.95647	91.78615	253.45678	4.84476	0.1055223	0.21475898	2.7616491	21	7 10.6	17.5
22333 1992 DG_{10}	15.7	*X*	233.03968	118.38046	278.10061	2.71045	0.1504587	0.31418370	2.1429578	21	5 29.3	18.6
22334 1992 ES_6	14.4	*X*	308.46612	304.00054	112.88130	7.06254	0.2116343	0.22257611	2.6966030	21	10 6.6	17.1
22335 1992 ED_{18}	14.0	*X*	168.27395	25.68141	181.80640	12.17121	0.0317809	0.22165109	2.7041003	21	11 6.8	17.9
22336 1992 EA_{19}	15.1	*X*	202.79676	289.37525	120.30478	5.38342	0.0683941	0.21153615	2.7896282	21	5 24.1	19.3
22337 1992 EV_{32}	14.6	*X*	254.25981	195.04091	209.01543	3.43054	0.1097135	0.21523853	2.7575456	21	7 9.4	18.5
22338 Janemojo	13.4	*X*	313.81506	137.39512	152.60851	14.74672	0.2924680	0.20020433	2.8939237	21	4 4.6	17.3
22339 1992 OL_3	13.9	*X*	7.87095	163.78140	153.17777	2.15043	0.1487248	0.17094082	3.2154285	21	9 4.6	17.5
22340 1992 OM_6	15.4	*X*	263.15623	137.23362	160.68116	3.64057	0.1350676	0.29605717	2.2295591	21	2 20.3	18.5
22341 Francispoulenc	14.8	*X*	250.21715	136.10840	181.10885	2.35148	0.2045115	0.29651961	2.2272404	21	2 27.7	18.2
22342 1992 RW_2	15.2	*X*	153.63514	0.36773	328.43851	6.06246	0.1406114	0.28699712	2.2762381	21	—	—
22343 1992 RM_5	15.3	*X*	248.17439	17.57394	31.19770	2.99012	0.2175078	0.26674349	2.3900491	21	6 26.3	18.8
22344 1992 RJ_7	13.9	*X*	97.98453	126.96080	157.01548	5.58912	0.1502830	0.17533364	3.1614953	21	11 23.3	18.8
22345 1992 SP_2	13.7	*X*	230.62656	170.89420	197.15876	16.79428	0.1768214	0.22825039	2.6517242	21	4 23.9	18.0
22346 Katsumatatakashi	14.4	*X*	33.78376	24.85408	4.95894	9.82957	0.2099442	0.27847225	2.3224592	21	—	—
22347 Mishinatakashi	14.7	*X*	270.38224	75.30443	356.22169	2.15433	0.1996495	0.26963238	2.3729469	21	8 26.8	17.4
22348 Schmeidler	15.3	*X*	28.09114	251.42828	223.29735	0.69319	0.0790168	0.28663992	2.2781287	21	—	—
22349 1992 *UH*	14.8	*X*	256.25306	35.53111	327.21971	1.86396	0.2509063	0.26360361	2.4089908	21	4 30.9	18.6
22350 1992 *US*	14.4	*X*	282.96190	359.27968	40.89905	8.31213	0.2400997	0.26789182	2.3832142	21	7 25.9	17.4
22351 1992 UT_2	14.4	*X*	162.42915	260.60561	71.28104	6.92303	0.2102376	0.28688157	2.2768493	21	1 2.7	17.7
22352 1992 UP_3	15.3	*X*	186.42111	13.58798	29.09141	3.74166	0.2007301	0.25868816	2.4394112	21	4 24.6	19.4
22353 1992 UA_6	14.3	*X*	332.75973	102.68189	282.27405	2.76669	0.1098812	0.27052877	2.3677022	21	10 19.3	16.6
22354 Sposetti	13.9	*X*	219.28098	187.16683	22.48523	7.60303	0.0697571	0.27754798	2.3276124	21	—	—
22355 Yahabananshozan	15.2	*X*	304.38336	303.94470	100.16858	3.14957	0.1917520	0.26921969	2.3753713	21	9 16.9	17.2
22356 Feyerabend	15.3	*X*	39.95946	219.09827	145.89984	2.02800	0.0735500	0.27542241	2.3395726	21	—	—
22357 1992 *YJ*	13.6	*X*	10.18612	97.70546	268.56747	21.80300	0.3484929	0.23795818	2.5791046	21	12 28.9	16.3
22358 1993 FK_{11}	15.2	*X*	189.07340	145.15710	133.37622	3.71892	0.0567042	0.23576992	2.5950384	21	—	—
22359 1993 FR_{11}	14.2	*X*	222.95550	128.39676	171.78030	13.75096	0.1649429	0.23992506	2.5649898	21	1 21.3	18.6
22360 1993 FT_{11}	13.5	*X*	287.31411	11.04356	21.01533	13.51397	0.1710979	0.22286321	2.6942866	21	8 3.2	17.2
22361 1993 FN_{14}	15.3	*X*	52.12945	299.75285	72.60513	4.64859	0.1385167	0.30208515	2.1997997	21	—	—
22362 1993 FY_{19}	15.1	*X*	52.48733	318.40844	143.96074	7.33422	0.0798386	0.24134680	2.5549065	21	1 15.5	18.1
22363 1993 FX_{21}	14.8	*X*	218.30972	80.52978	200.33197	3.07016	0.0415056	0.23836065	2.5762006	21	—	—
22364 1993 FJ_{33}	14.5	*X*	138.51226	308.89127	47.94042	4.15192	0.1097855	0.23811278	2.5779881	21	1 5.3	18.1
22365 1993 FQ_{43}	15.3	*X*	41.31507	44.83896	13.97637	3.28034	0.2217441	0.23776967	2.5804676	21	—	—
22366 Flettner	15.1	*X*	158.16615	256.95441	148.06778	2.59801	0.0726196	0.20174664	2.8791558	21	3 30.3	19.2
22367 1993 *MZ*	13.9	*X*	44.05131	352.00529	345.51047	13.00617	0.1910360	0.22313085	2.6921317	21	12 9.7	17.8
22368 1993 PV_3	13.7	*X*	104.32952	214.02231	166.96573	10.09258	0.0855715	0.19177783	2.9780852	21	—	—
22369 Klinger	15.6	*X*	314.07377	161.14260	214.25994	2.63808	0.1503906	0.31582597	2.1355225	21	8 30.1	17.1
22370 Italocalvino	14.1	*X*	305.46916	358.06712	35.18949	2.58926	0.1873780	0.17163421	3.2067626	21	8 23.1	18.1
22371 1993 TA_{16}	14.4	*X*	248.16984	323.16824	110.01904	2.04205	0.1420883	0.16931666	3.2359583	21	8 4.5	19.1
22372 1993 TD_{28}	14.2	*X*	131.33271	141.70144	173.23232	3.90178	0.0559738	0.18442564	3.0567167	21	—	—
22373 1993 TJ_{31}	13.8	*X*	73.85201	251.24636	115.18942	5.20555	0.0423265	0.18339793	3.0681254	21	—	—
22374 1993 TX_{33}	14.0	*X*	238.36790	312.36532	175.25262	11.01835	0.1244284	0.17470180	3.1691135	21	10 2.8	18.8
22375 1993 TF_{34}	15.3	*X*	263.77345	272.76718	103.18632	3.00161	0.1397433	0.30990195	2.1626514	21	6 7.6	17.8
22376 1993 TX_{38}	14.2	*X*	134.92181	205.68975	105.71332	7.00260	0.0498175	0.18396497	3.0618174	21	—	—
22377 1993 UW_6	13.7	*X*	160.98110	234.87802	97.55237	6.17038	0.1056559	0.18854306	3.0120512	21	1 9.4	18.2
22378 Gaherty	15.7	*X*	263.19808	234.98243	45.18617	3.13222	0.2069901	0.29137936	2.2533580	21	1 25.9	19.4
22379 1994 CO_1	15.3	*X*	251.31234	53.96742	181.32838	3.58002	0.1118536	0.28492581	2.2872564	21	—	—
22380 1994 CF_{10}	15.0	*X*	53.45071	323.30654	71.02736	2.88767	0.1634753	0.28309606	2.2971014	21	—	—
22381 1994 CN_{10}	14.9	*X*	269.28499	243.73657	13.95367	3.68424	0.1922347	0.28698988	2.2762764	21	1 4.6	18.5
22382 1994 CY_{16}	15.5	*X*	109.62504	182.02238	63.19609	3.24722	0.1776487	0.26995818	2.3710373	21	10 31.6	19.2
22383 Nikolauspacassi	16.0	*X*	214.79577	1.68823	209.99433	2.39020	0.1585390	0.27885297	2.3203449	21	12 30.4	19.1
22384 1994 EZ_6	14.5	*X*	135.17873	222.75251	97.00476	5.95561	0.1513162	0.28057513	2.3108403	21	—	—
22385 Fujimoriboshi	14.7	*X*	273.73327	321.89021	180.90200	23.26671	0.2875267	0.27814971	2.3242543	21	12 2.8	17.4
22386 1994 PF_{14}	14.9	*X*	53.14852	134.61805	172.91489	5.23346	0.0241839	0.22272281	2.6954188	21	10 22.3	18.5
22387 1994 PN_{14}	15.2	*X*	244.72021	306.41856	327.83970	6.21465	0.1805007	0.24056915	2.5604095	21	1 11.5	19.4
22388 1994 PC_{15}	14.6	*X*	296.22521	81.95111	159.70888	13.41645	0.1431299	0.24229149	2.5482612	21	1 22.1	18.4
22389 1994 PC_{21}	15.1	*X*	272.26868	251.61368	167.96870	5.33057	0.0191684	0.21873148	2.7281099	21	9 6.0	18.6
22390 1994 PA_{23}	14.9	*X*	298.66379	136.85083	52.71696	1.29470	0.0730150	0.23548124	2.5971588	21	—	—
22391 1994 PE_{26}	13.7	*X*	34.17748	6.63308	340.36548	12.19913	0.1488099	0.22496106	2.6775103	21	12 2.2	17.4
22392 1994 PT_{27}	15.0	*X*	257.83815	282.23585	340.97094	13.30555	0.0826413	0.24023874	2.5627566	21	1 18.3	18.9
22393 1994 *QV*	13.7	*X*	74.17033	6.56065	353.67872	13.60659	0.2848648	0.22873242	2.6479975	21	—	—
22394 Kondouakira	13.7	*X*	95.40282	290.52087	6.07180	11.11902	0.1910285	0.22489774	2.6780129	21	12 13.4	18.2
22395 Ourakenji	13.4	*X*	309.81683	326.65654	17.93895	8.74162	0.1065792	0.21269372	2.7794974	21	7 8.2	17.0
22396 1994 *VR*	13.9	*X*	283.06775	316.31659	45.59193	11.18400	0.1863403	0.21002931	2.8029549	21	6 7.7	17.8
22397 1994 VV_2	13.4	*X*	313.60103	290.70907	73.27300	10.04912	0.1810276	0.21321979	2.7749237	21	8 1.6	16.6
22398 1994 WF_1	14.0	*X*	192.03065	100.62746	267.20352	0.96598	0.0901676	0.19953274	2.9004136	21	3 20.3	18.4
22399 1995 *CB*	14.0	*X*	324.57221	300.86664	130.11823	10.36530	0.2054835	0.17870552	3.1216011	21	11 19.2	17.4
22400 1995 *CC*	13.7	*X*	313.12131	351.63973	89.28140	3.90133	0.0625948	0.17613563	3.1518913	21	11 18.0	17.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
22401 Egisto	13.3	X	166.18097	31.73503	157.52674	15.75149	0.1159523	0.17106194	3.2139106	21	10 7.1	18.5
22402 Goshi	15.5	X	300.24603	205.19391	79.31801	3.53215	0.1261338	0.30486268	2.1864181	21	3 20.2	18.0
22403 Manjitludher	14.1	X	120.94437	20.57718	301.56706	25.95003	0.2180637	0.27921676	2.3183289	21	—	—
22404 1995 ME_4	12.0	X	301.52190	179.45871	256.30274	9.28928	0.1214891	0.08142299	5.2719507	21	10 2.7	18.8
22405 Gavioliremo	15.4	X	175.39070	38.14618	260.51112	4.83186	0.1790705	0.28428992	2.2906659	21	—	—
22406 Garyboyle	15.4	X	270.01032	278.18189	282.93130	6.97867	0.1056953	0.28345544	2.2951594	21	—	—
22407 1995 SK_2	15.4	X	287.35005	356.11611	349.36428	3.10795	0.1936864	0.25988816	2.4318963	21	5 18.9	18.5
22408 1995 SC_3	14.3	X	255.17499	3.84870	359.45324	7.68866	0.2218161	0.21877709	2.7277306	21	5 4.1	18.8
22409 1995 SU_3	13.6	X	287.99259	317.61660	329.61476	6.63051	0.1903722	0.29230775	2.2485843	21	2 27.3	16.6
22410 Grinspoon	15.6	X	340.56221	120.65543	12.13821	3.52758	0.0249438	0.23941705	2.5686169	21	—	—
22411 1995 TR	14.2	X	77.14994	84.05269	218.71084	5.49722	0.1146276	0.26862796	2.3788583	21	12 4.1	17.4
22412 1995 UQ_4	13.2	X	54.85588	318.69586	52.46452	13.73202	0.1947836	0.27179693	2.3603316	21	—	—
22413 Haifu	15.4	X	67.28926	236.85652	21.66958	9.12142	0.1925154	0.26426474	2.4049713	21	10 5.8	18.5
22414 Hornschemeier	15.3	X	355.72592	142.93078	14.23210	3.90280	0.1616654	0.24045086	2.5612492	21	—	—
22415 Humeivey	14.7	X	341.63723	58.90874	208.46777	7.60934	0.1536174	0.25584969	2.4574203	21	5 1.6	17.0
22416 1995 UC_{47}	14.8	X	60.62042	356.73336	30.03681	5.60078	0.2998904	0.23595666	2.5936690	21	—	—
22417 1995 WK_1	14.2	X	348.65958	54.26151	43.20371	4.86406	0.1353305	0.23236574	2.6203219	21	—	—
22418 1995 WM_4	14.0	X	127.85153	235.52777	100.04479	4.27421	0.1572930	0.23658306	2.5890888	21	—	—
22419 1995 WP_5	13.9	X	162.86835	34.47733	71.25790	5.86575	0.1506370	0.21233063	2.7826652	21	6 22.3	18.4
22420 1995 WL_{42}	14.3	X	24.16552	45.59888	137.35003	1.06933	0.1248713	0.20037460	2.8922840	21	3 30.3	17.4
22421 Jamesedgar	15.1	X	5.67394	185.48472	180.48374	3.55235	0.1581566	0.22709546	2.6607072	21	11 18.5	18.0
22422 Kenmount Hill	15.2	X	296.47610	179.96331	78.14033	6.36121	0.1493622	0.24626702	2.5207622	21	2 14.4	18.8
22423 Kudlacek	14.5	X	106.62894	241.64516	59.46729	15.09205	0.1201773	0.23227142	2.6210313	21	12 26.0	18.6
22424 1995 YS_{21}	13.8	X	348.70844	239.46517	107.30327	4.83530	0.1033109	0.21799194	2.7342765	21	9 17.8	16.9
22425 1996 AZ	14.5	X	186.56351	329.38208	99.59286	4.18926	0.0835220	0.20909545	2.8112944	21	5 30.1	18.7
22426 Mikehanes	14.7	X	142.71102	318.46425	228.56175	1.67140	0.1052786	0.21437150	2.7649759	21	9 10.6	19.0
22427 1996 DB	13.7	X	164.85819	245.95271	348.58384	24.63182	0.3325508	0.17815461	3.1280331	21	11 12.8	19.9
22428 1996 DT	13.4	X	262.79997	78.00564	151.44259	10.63117	0.0545025	0.19024374	2.9940735	21	—	—
22429 Jurašek	14.6	X	308.39482	345.49265	115.22339	22.84430	0.0663852	0.22560323	2.6724269	21	12 19.1	18.1
22430 1996 DM_2	13.8	X	160.93088	117.63990	106.19403	5.82436	0.0521756	0.21762855	2.7373193	21	11 16.9	17.8
22431 1996 DY_2	13.8	X	168.65746	336.77056	70.22235	3.07181	0.0742274	0.20108532	2.8854649	21	4 13.7	18.1
22432 Pamgriffin	14.2	X	98.80980	0.62155	348.74195	15.76701	0.0894785	0.18681516	3.0305955	21	—	—
22433 1996 GC_2	13.6	X	224.38953	154.47864	75.56286	1.02207	0.2381116	0.18261013	3.0769431	21	—	—
22434 Peredery	13.8	X	350.64616	19.55434	61.95986	6.66542	0.1413089	0.18364975	3.0653201	21	—	—
22435 Pierfederici	14.3	X	299.38841	250.96407	150.47065	2.07414	0.1546905	0.17074584	3.2178760	21	8 27.9	18.3
22436 1996 GO_{17}	13.3	X	229.91187	196.59775	34.71148	17.17634	0.0911853	0.18300206	3.0725484	21	—	—
22437 1996 GR_{20}	13.6	X	139.43752	165.67570	79.56353	3.01998	0.1873165	0.17418597	3.1753670	21	11 16.0	18.9
22438 1996 HQ_{19}	14.1	X	121.73367	87.12958	154.70595	0.62682	0.1158525	0.17185148	3.2040592	21	10 23.8	18.9
22439 1996 HL_{20}	13.7	X	164.54045	101.52138	69.12597	2.44759	0.1266874	0.17060647	3.2196282	21	9 11.6	18.9
22440 Bangsgaard	13.0	X	212.97192	271.80537	239.17585	11.70605	0.2485127	0.17434772	3.1734028	21	9 19.8	18.6
22441 1996 PA_9	15.5	X	119.44275	197.32423	315.95411	1.90444	0.0709412	0.31136890	2.1558534	21	6 29.9	18.0
22442 Blaha	15.7	X	251.53440	355.95035	0.19242	0.87761	0.0277743	0.30396831	2.1907047	21	5 7.9	18.1
22443 1996 TJ_{11}	15.9	X	234.47201	34.44891	315.26635	0.85498	0.1586215	0.30237321	2.1984023	21	3 28.4	19.0
22444 1996 TK_{12}	15.2	X	57.45558	330.05391	24.77610	1.52460	0.2206681	0.28305139	2.2973431	21	—	—
22445 1996 TT_{14}	14.6	X	248.15840	239.32606	121.30121	3.39195	0.1954712	0.30464428	2.1874629	21	4 24.8	17.9
22446 Philwhitney	15.4	X	10.31659	262.29201	44.26102	3.24771	0.1423870	0.31203363	2.1527906	21	9 12.9	17.0
22447 1996 TP_{34}	14.6	X	70.53263	319.53993	29.48511	11.13108	0.1726990	0.28339561	2.2954824	21	—	—
22448 Ricksaunders	15.9	X	344.26492	73.36129	153.15553	5.61932	0.0716379	0.30035166	2.2082557	21	3 10.2	18.0
22449 Ottijeff	13.9	X	303.18854	70.41565	2.39066	21.54005	0.3514961	0.27462899	2.3440766	21	9 29.4	15.2
22450 Nové Hrady	14.5	X	155.97013	121.71416	357.74504	5.41260	0.2116106	0.22442317	2.6817868	21	7 6.3	19.0
22451 Tymothycoons	14.1	X	189.32863	0.00068	346.66074	15.44811	0.1455690	0.24564048	2.5250467	21	2 19.7	18.1
22452 1996 VD_8	14.4	X	239.88876	260.15876	101.60504	4.90527	0.2309202	0.22398016	2.6853219	21	4 22.3	18.9
22453 1996 VC_9	14.5	X	111.08705	314.57440	75.81249	6.97052	0.1835496	0.29044959	2.2581643	21	1 11.8	16.8
22454 Rosalylopes	15.9	X	342.78342	209.97890	87.16936	1.53753	0.0928415	0.30675080	2.1774369	21	6 23.9	17.8
22455 1996 XK_1	15.6	X	324.12455	104.48665	284.74158	1.43977	0.2079369	0.27184039	2.3600800	21	10 5.1	17.0
22456 Salopek	15.4	X	289.91171	294.97742	87.91825	7.15788	0.1020491	0.26488248	2.4012307	21	8 3.1	18.2
22457 1996 XC_{15}	14.5	X	357.21910	79.26644	69.35143	0.89935	0.1156012	0.28530948	2.2852055	21	—	—
22458 1996 XD_{31}	15.1	X	30.35836	261.04636	117.65244	5.01571	0.1531174	0.27717451	2.3297028	21	—	—
22459 1997 AD_2	14.3	X	188.62459	224.03928	33.75574	5.10383	0.0630963	0.27792308	2.3255176	21	—	—
22460 1997 AJ_2	14.3	X	55.81565	345.68070	106.38879	4.73485	0.0740102	0.28502657	2.2867174	21	—	—
22461 1997 AB_7	15.1	X	135.27602	96.28816	107.51797	2.77741	0.0994111	0.26388449	2.4072811	21	9 30.3	18.6
22462 1997 AF_7	15.6	X	168.96383	0.26040	141.77520	3.84157	0.1548458	0.26118118	2.4238634	21	8 14.6	19.2
22463 1997 AT_{13}	15.3	X	307.13642	345.39721	36.46949	2.86956	0.2166039	0.26799589	2.3825972	21	8 12.7	17.5
22464 1997 AG_{14}	13.1	X	17.04608	357.59973	73.35447	14.32123	0.2201145	0.23657617	2.5891391	21	—	—
22465 Karelanděl	15.7	X	176.76414	27.72689	24.42095	2.29573	0.1834327	0.25616821	2.4553829	21	4 27.7	19.5
22466 1997 BA_3	14.9	X	242.00717	104.17794	335.98680	1.62144	0.1824075	0.26421634	2.4052650	21	8 5.1	18.1
22467 Koharumi	14.3	X	217.34784	191.45563	351.33557	6.45521	0.0464455	0.27117280	2.3639519	21	12 9.1	17.4
22468 1997 CK_1	15.2	X	300.56562	100.50663	94.32841	4.37622	0.1689784	0.23917267	2.5703663	21	—	—
22469 Poloniny	16.2	X	221.66187	280.22056	150.20228	5.03612	0.1992770	0.26360028	2.4090111	21	6 30.2	20.0
22470 Shirakawa–go	15.4	X	141.50436	55.52800	119.65522	2.02292	0.1346395	0.26117323	2.4239126	21	8 30.8	19.1
22471 1997 CR_{28}	15.1	X	199.46068	242.20164	86.38749	3.71350	0.1094914	0.24499320	2.5294923	21	2 4.1	19.0
22472 1997 CT_{28}	15.1	X	14.05030	125.96850	145.11523	6.04582	0.1158113	0.25758075	2.4463980	21	7 13.9	17.6
22473 Stanleyhey	14.5	X	108.96191	327.76861	2.09593	12.06035	0.1976997	0.23029590	2.6359990	21	—	—
22474 Frobenius	15.6	X	306.53572	157.69662	5.85323	3.57323	0.1613656	0.23656068	2.5892522	21	—	—
22475 Stanrunge	15.7	X	293.62860	304.31210	218.11830	1.83697	0.0736373	0.23597197	2.5935569	21	—	—
22476 1997 EM_{23}	12.9	X	32.95842	267.05848	97.59652	13.31810	0.1914357	0.23005969	2.6378030	21	—	—
22477 Julimacoraor	15.1	X	256.07923	297.83839	313.34741	2.88673	0.1199122	0.24060633	2.5601457	21	—	—
22478 1997 EM_{48}	14.8	X	328.74242	340.71701	208.44312	4.62610	0.2371546	0.23991808	2.5650395	21	—	—
22479 1997 FY_1	13.9	X	52.11997	289.79768	11.91692	13.24848	0.2039999	0.21874901	2.7279641	21	11 3.4	17.7
22480 1997 GU_3	13.6	X	308.57909	307.22649	34.35029	6.48477	0.0653471	0.21322205	2.7749041	21	7 7.3	17.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
22481 Zachlynn	14.3	X	105.82317	28.75397	196.64336	17.65475	0.1079798	0.21782018	2.7357136	21	9 18.8	18.5
22482 Michbertier	14.1	X	200.55529	226.26303	120.68254	1.50643	0.2030551	0.20057576	2.8903499	21	3 5.4	19.1
22483 1997 GX_{16}	15.1	X	213.95298	187.93918	11.38263	11.95450	0.1315746	0.22777069	2.6554461	21	12 5.4	19.2
22484 1997 GX_{21}	13.5	X	186.47659	264.47134	98.90371	3.65507	0.0705266	0.19979993	2.8978273	21	3 10.9	17.8
22485 Unterman	14.8	X	147.27759	101.45228	47.89552	3.73710	0.0238863	0.21253755	2.7808588	21	7 26.3	18.6
22486 1997 GZ_{22}	14.5	X	165.55609	274.61111	192.56965	5.54499	0.0577507	0.21050083	2.7987676	21	6 23.5	18.7
22487 Megphillips	14.4	X	30.40370	280.00135	16.89892	5.23872	0.1470321	0.21394564	2.7686438	21	9 22.1	17.7
22488 Martyschwartz	14.2	X	174.69536	248.03865	50.16744	10.67095	0.0580628	0.19071934	2.9890939	21	—	—
22489 Yanaka	13.7	X	97.33096	125.97200	195.01236	12.17204	0.1918328	0.22323774	2.6912723	21	—	—
22490 Zigamiyama	14.3	X	62.84608	105.71126	41.74835	14.23309	0.1371990	0.24548003	2.5261469	21	4 14.9	17.1
22491 1997 GX_{32}	14.5	X	78.34961	270.19137	349.05257	2.22244	0.0189504	0.21869013	2.7284537	21	9 19.3	18.2
22492 Mosig	14.8	X	269.09252	199.65800	100.66855	3.26388	0.0161003	0.20226232	2.8742600	21	3 30.3	18.7
22493 1997 GP_{40}	14.5	X	71.61184	204.77126	152.63856	1.71254	0.1141154	0.18527336	3.0473855	21	—	—
22494 Trillium	15.3	X	23.51764	162.28782	127.56923	3.32389	0.0809222	0.25323710	2.4742932	21	8 26.5	17.9
22495 Fubini	15.1	X	58.65731	154.78910	56.34627	8.92378	0.1506412	0.20903552	2.8118317	21	7 9.9	18.7
22496 1997 JH_{13}	14.3	X	44.31948	230.67777	50.69242	9.23266	0.1229028	0.21379199	2.7699702	21	9 22.7	17.9
22497 Immanuelfuchs	13.9	X	199.87684	284.06026	95.26214	3.32736	0.0862300	0.20091905	2.8870567	21	4 13.4	18.3
22498 Willman	14.0	X	340.13449	167.70645	206.53090	6.98249	0.1550295	0.17465609	3.1696665	21	9 30.3	17.6
22499 Wunibaldkamm	14.0	X	45.30069	261.74239	124.08313	12.49636	0.1182456	0.18316573	3.0707178	21	—	—
22500 Grazianoventre	13.4	X	98.77575	226.48354	58.54823	1.26305	0.1683510	0.17464857	3.1697574	21	11 25.4	18.3
22501 1997 PR_{3}	15.7	X	263.58142	142.60113	110.12471	1.56825	0.1750762	0.26970304	2.3725324	21	—	—
22502 1997 SW	15.2	X	332.51612	4.90915	34.98896	6.61598	0.1094654	0.28725596	2.2748705	21	11 15.2	17.1
22503 Thalpius	12.2	X	326.56147	195.40722	219.09882	9.89608	0.0701212	0.08265168	5.2195725	21	10 18.9	18.8
22504 1997 TD_{17}	14.9	X	267.27639	277.01007	126.39919	5.57399	0.1687877	0.28197352	2.3031939	21	7 17.8	17.6
22505 Lewit	15.3	X	57.65358	27.67195	170.03641	4.23422	0.0414150	0.27582166	2.3373144	21	5 31.7	18.0
22506 1997 WD_{8}	14.9	X	190.00889	318.51209	160.65827	2.11550	0.1762891	0.27635043	2.3343320	21	8 4.5	18.4
22507 1997 WA_{31}	14.9	X	193.28143	217.32204	71.49770	3.42820	0.1732564	0.26003035	2.4310097	21	—	—
22508 1997 WZ_{42}	14.1	X	75.39811	272.80953	98.68359	2.07241	0.1547698	0.17056365	3.2201671	21	—	—
22509 1997 YY_{2}	14.5	X	126.66734	311.22706	107.72055	0.96999	0.0721669	0.30346750	2.1931143	21	2 22.7	17.0
22510 1997 YV_{7}	15.6	X	155.60231	113.76812	101.69681	0.91656	0.1334862	0.28059238	2.3107456	21	11 6.3	19.0
22511 1997 YC_{10}	14.9	X	218.58487	267.52288	215.09432	1.84505	0.0733340	0.23677546	2.5876861	21	9 13.7	18.4
22512 Cannat	14.1	X	217.45896	278.23959	355.88966	15.66900	0.1928086	0.24509602	2.5287849	21	—	—
22513 1998 BX_{32}	15.5	X	195.79977	214.84234	100.98561	6.41901	0.1790008	0.29599082	2.2298923	21	1 10.2	18.8
22514 1998 DN_{5}	14.4	X	357.28496	281.65738	244.02019	6.61864	0.1689951	0.25360737	2.4718843	21	—	—
22515 1998 DJ_{15}	15.0	X	205.47131	203.26512	348.44198	6.58846	0.0677363	0.28060560	2.3106730	21	12 4.3	18.0
22516 1998 DN_{28}	15.1	X	48.94353	143.37050	139.29532	4.69667	0.0986497	0.22833417	2.6510756	21	9 25.9	18.4
22517 Alexzanardi	14.7	X	228.21981	53.52036	19.50032	6.42276	0.0749932	0.27348798	2.3505918	21	7 24.5	18.0
22518 1998 DG_{34}	14.6	X	228.32751	15.24639	16.50296	3.72869	0.1969243	0.26633880	2.3924696	21	5 16.4	18.3
22519 Gerardklein	15.6	X	352.38466	349.00798	25.66415	3.49191	0.1157627	0.27407231	2.3472496	21	11 11.8	18.0
22520 1998 EL_{2}	15.2	X	177.45899	156.92386	156.97967	2.70807	0.1894349	0.28594128	2.2818380	21	—	—
22521 ZZ Top	16.0	X	161.47174	62.95270	192.84991	6.48353	0.0889875	0.27883403	2.3204499	21	—	—
22522 1998 EF_{6}	14.5	X	192.80694	279.35677	322.42727	20.82488	0.2500900	0.28280707	2.2986660	21	—	—
22523 1998 EZ_{10}	14.3	X	55.44856	287.43369	19.28271	7.15925	0.1510811	0.27489739	2.3425506	21	11 17.5	17.4
22524 1998 FB_{6}	15.7	X	270.03025	121.13338	153.23092	3.87908	0.1863287	0.29368525	2.2415476	21	1 24.4	19.2
22525 1998 FB_{12}	14.5	X	357.00402	357.37549	333.95571	1.53196	0.1795728	0.31283374	2.1491183	21	9 28.1	15.7
22526 1998 FV_{15}	14.9	X	233.20819	336.81830	5.11616	4.73696	0.1211002	0.29907789	2.2145212	21	3 19.6	17.9
22527 Gawlik	14.9	X	25.08199	194.42467	148.87262	4.66137	0.1559388	0.27756344	2.3275260	21	11 30.0	17.5
22528 Elysehope	16.5	X	12.71858	10.31180	197.10520	2.47621	0.1141353	0.30047877	2.2076329	21	3 25.6	18.4
22529 1998 FB_{40}	14.3	X	65.07583	107.35383	176.53582	10.48406	0.0730377	0.18898734	3.0073288	21	10 10.2	18.5
22530 Huynh-Le	15.3	X	145.12721	353.42854	339.36275	5.25597	0.1885190	0.28760307	2.2730398	21	—	—
22531 Davidkelley	15.1	X	226.72423	352.36749	356.42181	6.77446	0.1926206	0.29966399	2.2116328	21	3 19.3	18.4
22532 1998 FG_{45}	16.0	X	288.16372	321.26063	86.36115	2.49896	0.0588314	0.31505591	2.1390009	21	9 18.3	18.0
22533 Krishnan	14.5	X	305.27035	110.21467	203.44632	5.73865	0.1949735	0.26103195	2.4247870	21	4 30.3	17.3
22534 Lieblich	15.5	X	256.86192	103.31529	171.47457	1.91624	0.1552401	0.29246864	2.2477595	21	1 14.7	19.0
22535 1998 FH_{60}	15.1	X	218.81292	205.54084	174.58134	3.82439	0.1951150	0.30304627	2.1951461	21	4 22.5	18.5
22536 Katelowry	14.9	X	162.15525	202.68363	241.84479	3.65532	0.0695860	0.21944828	2.7221659	21	5 21.5	18.8
22537 Meyerowitz	14.1	X	227.54576	64.12432	315.38417	4.19704	0.0722083	0.21860258	2.7291822	21	5 9.9	18.1
22538 Lucasmoller	14.8	X	238.16949	330.73798	29.40696	7.60465	0.1480482	0.30200229	2.2002020	21	4 16.3	17.7
22539 1998 FT_{65}	14.9	X	316.58374	288.58361	355.23577	6.27555	0.1520137	0.30013913	2.2092980	21	4 4.5	17.4
22540 Mork	14.2	X	329.32930	332.61099	166.07788	2.22072	0.0357154	0.20221816	2.8746785	21	—	—
22541 1998 FC_{68}	15.5	X	249.94324	72.95828	11.71504	7.40903	0.1140954	0.31450097	2.1415163	21	9 5.8	17.9
22542 Pendri	15.5	X	288.11219	219.50976	354.28214	6.15398	0.1289864	0.28971261	2.2619923	21	—	—
22543 Ranjan	16.3	X	271.11349	234.25356	18.21897	0.94038	0.1601989	0.29091830	2.2557382	21	—	—
22544 Sarahrapo	15.2	X	241.92140	276.80439	41.05740	3.19274	0.1799149	0.29463579	2.2367239	21	2 24.4	18.7
22545 Brittrusso	15.1	X	97.13116	275.05326	122.68953	5.26974	0.0884530	0.28990327	2.2610004	21	—	—
22546 Schickler	15.6	X	236.90767	135.76470	149.84057	5.26075	0.1662154	0.29028739	2.2590054	21	1 9.7	19.1
22547 Kimberscott	14.5	X	89.19083	151.45109	66.30695	5.39652	0.0559999	0.22417246	2.6837860	21	8 17.8	18.1
22548 1998 FV_{90}	15.1	X	80.40067	217.33687	96.14874	5.06365	0.2519379	0.27725010	2.3292793	21	—	—
22549 1998 FQ_{94}	13.7	X	353.52473	234.51688	148.01793	9.84177	0.0808779	0.19345768	2.9608204	21	11 8.9	17.6
22550 Jonsellon	14.9	X	124.27952	45.23698	226.05412	6.92700	0.1280181	0.27685331	2.3315044	21	12 15.2	18.4
22551 Adamsolomon	16.1	X	299.16620	250.74459	309.99978	5.90672	0.0489033	0.29027649	2.2590619	21	—	—
22552 1998 FN_{112}	13.6	X	104.61171	326.55384	323.97748	9.58497	0.0865915	0.19179156	2.9779431	21	12 1.6	18.3
22553 Yisun	15.2	X	340.80519	71.35388	239.41194	5.63105	0.1217559	0.26411406	2.4058859	21	7 9.3	17.5
22554 Shoshanatell	14.7	X	140.85388	136.93557	240.05980	6.13483	0.1746849	0.29102144	2.2552052	21	1 29.8	17.7
22555 Joevellone	14.8	X	289.68804	267.10277	229.73410	5.36399	0.1195778	0.24044002	2.5613261	21	—	—
22556 1998 FU_{120}	15.5	X	46.66577	93.75275	235.75677	1.12294	0.1747542	0.31790485	2.1262024	21	12 20.3	18.2
22557 1998 FF_{140}	15.2	X	123.16313	325.08912	324.13209	6.22745	0.2413000	0.27869926	2.3211979	21	—	—
22558 Mladen	15.8	X	99.00030	76.69850	72.93282	0.77233	0.0497205	0.30185948	2.2008959	21	5 22.4	18.2
22559 1998 HQ_{12}	14.8	X	149.51141	4.64587	146.23607	13.00695	0.1133192	0.26430466	2.4047292	21	8 4.8	18.3
22560 1998 HD_{17}	13.9	X	73.16707	121.82599	240.65878	6.07400	0.1628989	0.24096999	2.5575693	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
22561 Miviscardi	15.5	X	266.88378	249.50531	11.72817	7.15418	0.0907172	0.29234142	2.2484116	21	1 13.6	18.7
22562 Wage	14.4	X	208.65625	77.98105	298.21310	2.35284	0.1353999	0.21595488	2.7514442	21	4 13.6	18.9
22563 Xinwang	14.7	X	171.68055	114.24554	210.07966	7.42196	0.1742797	0.28816994	2.2700579	21	—	—
22564 Jeffreyxing	15.5	X	252.29228	123.01856	197.23925	3.46011	0.1692556	0.29683500	2.2256625	21	3 7.1	18.7
22565 1998 HF_{30}	15.5	X	18.99004	196.57391	125.58000	3.42006	0.2104899	0.26899359	2.3767022	21	10 28.7	17.7
22566 Irazaitseva	15.3	X	284.71081	33.25588	242.07604	2.61186	0.1258919	0.29553682	2.2321754	21	2 14.4	18.4
22567 Zenisek	15.1	X	85.68234	318.97651	0.79680	6.37715	0.1394704	0.27705321	2.3303828	21	—	—
22568 1998 HR_{34}	14.9	X	35.03403	221.53431	106.52567	3.19683	0.2241250	0.27137001	2.3628065	21	12 2.3	17.6
22569 1998 HK_{36}	14.4	X	139.36661	287.79318	49.92635	4.02730	0.2062067	0.28497547	2.2869907	21	—	—
22570 Harleyzhang	14.5	X	336.78013	246.44825	12.54183	2.80983	0.1620273	0.29918405	2.2139973	21	3 31.7	16.4
22571 Letianzhang	15.5	X	80.00335	232.82731	213.49336	4.77733	0.1226353	0.29421712	2.2388453	21	1 27.2	17.5
22572 Yuanzhang	15.3	X	41.29140	61.03623	189.29534	1.79344	0.1777611	0.26354985	2.4093184	21	8 12.2	17.8
22573 Johnzhou	15.8	X	241.94251	243.76616	53.46896	3.26846	0.1210165	0.29254199	2.2473838	21	1 31.3	19.0
22574 1998 HW_{44}	15.1	X	246.59720	331.66716	17.65642	3.01295	0.1053689	0.25757710	2.4464211	21	4 17.6	18.4
22575 Jayallen	15.0	X	191.13380	285.36522	194.83058	6.61436	0.0843229	0.26803038	2.3823928	21	8 8.6	18.5
22576 1998 HN_{46}	16.0	X	40.28262	119.20660	103.44498	2.09157	0.0982709	0.30366545	2.1921611	21	6 15.1	17.7
22577 Alfiuccio	14.8	X	162.09850	250.90683	65.74363	3.86559	0.1481305	0.28425747	2.2908402	21	—	—
22578 1998 HE_{59}	14.6	X	234.44862	291.70398	121.57341	3.35536	0.2161925	0.26639629	2.3921254	21	6 18.8	18.3
22579 Marcyeager	15.4	X	95.32874	207.89725	65.89798	3.50863	0.1934833	0.27173670	2.3606804	21	11 23.6	18.9
22580 Kenkaplan	15.5	X	83.33860	234.02078	184.22799	3.37151	0.1341693	0.29027583	2.2590654	21	—	—
22581 Rosahemphill	15.0	X	134.95487	123.77867	3.35691	1.18986	0.1250361	0.26246381	2.4159601	21	6 19.0	18.4
22582 Patmiller	15.5	X	6.36895	232.52023	75.03763	3.81672	0.1845351	0.26416576	2.4055720	21	9 4.7	17.4
22583 Metzler	15.4	X	291.65607	342.47906	24.71130	8.16781	0.1011637	0.26413311	2.4057702	21	7 13.8	18.4
22584 Winigleason	15.1	X	179.90765	279.77793	28.63790	7.38826	0.1739200	0.28465240	2.2887208	21	—	—
22585 1998 HM_{92}	14.6	X	222.93361	323.98031	205.94118	13.27445	0.0334456	0.23370610	2.6102936	21	11 25.9	18.2
22586 Shellyhynes	14.9	X	56.77308	244.33021	183.39321	8.10181	0.1250222	0.28736286	2.2743063	21	—	—
22587 McKennon	15.6	X	222.38209	72.67176	200.51099	6.27567	0.1082337	0.28645188	2.2791256	21	—	—
22588 1998 HW_{99}	14.6	X	66.53007	187.75586	55.62618	13.96393	0.1262478	0.22233420	2.6985587	21	9 7.7	18.5
22589 Minor	15.3	X	293.44900	203.93162	53.57584	3.19805	0.1172643	0.29310760	2.2444916	21	2 4.9	18.3
22590 1998 HJ_{102}	15.3	X	221.78215	243.34638	44.57231	6.47856	0.1594180	0.28652831	2.2787203	21	—	—
22591 1998 HO_{102}	15.0	X	303.46317	23.03617	215.94463	4.19416	0.1300142	0.29191611	2.2505950	21	1 19.4	17.9
22592 1998 HD_{103}	14.8	X	45.18956	242.49103	277.21550	1.55386	0.1578696	0.25403529	2.4691076	21	3 27.1	16.9
22593 1998 HH_{107}	14.6	X	31.41971	208.19776	124.58684	6.83298	0.2222921	0.27076352	2.3663335	21	12 4.2	17.4
22594 Stoops	15.1	X	218.19802	200.84833	71.84654	6.78125	0.0535183	0.28754479	2.2733469	21	—	—
22595 1998 HD_{110}	13.4	X	100.67862	154.46058	81.99607	10.85288	0.0566385	0.18492028	3.0512633	21	9 26.2	18.0
22596 Kathwallace	14.7	X	346.41931	173.54166	149.24647	7.66508	0.1848804	0.26373877	2.4081677	21	8 8.3	16.4
22597 Lynzielinski	15.7	X	175.65190	72.27919	164.20269	6.75387	0.1096673	0.27780975	2.3261501	21	12 24.0	19.0
22598 Francespearl	14.5	X	114.43223	283.20052	93.54260	7.21163	0.1782851	0.28647035	2.2790277	21	—	—
22599 Heatherhall	15.5	X	117.40571	162.21592	132.63630	6.67364	0.1265071	0.27613730	2.3355330	21	—	—
22600 1998 HH_{123}	13.7	X	27.13356	207.40689	181.17859	11.80559	0.0832513	0.23494333	2.6011215	21	—	—
22601 1998 HD_{124}	13.4	X	160.94837	210.02720	101.39591	9.29326	0.2798788	0.28084750	2.3093460	21	—	—
22602 1998 HX_{124}	14.5	X	9.64300	73.16444	161.38046	11.85516	0.0601035	0.25750175	2.4468984	21	5 13.5	17.5
22603 Davidoconnor	14.5	X	81.06720	117.43914	113.75677	4.57410	0.0522701	0.22596747	2.6695543	21	8 23.6	18.1
22604 1998 HG_{138}	14.5	X	113.16176	278.48947	50.05082	15.54793	0.2166331	0.23860042	2.5744744	21	—	—
22605 Steverumsey	15.4	X	308.74041	97.62177	141.43251	6.62556	0.0503133	0.29321824	2.2439270	21	2 7.7	17.9
22606 1998 HK_{148}	15.2	X	211.31353	191.96667	62.61323	3.65798	0.1639302	0.28209280	2.3025446	21	—	—
22607 1998 HD_{149}	14.6	X	112.46340	52.94292	230.08826	1.50788	0.0923184	0.23095558	2.6309772	21	12 8.9	18.5
22608 1998 JP_1	15.3	X	47.33274	233.22197	63.57865	3.43173	0.1885943	0.26710084	2.3879169	21	10 31.5	18.3
22609 1998 JT_1	14.5	X	349.93669	207.31703	106.91009	3.35203	0.2053692	0.26181918	2.4199241	21	8 3.3	16.2
22610 1998 JK_4	14.5	X	234.98644	72.64143	220.98127	3.52723	0.1544151	0.28889807	2.2662420	21	1 17.8	17.9
22611 Galerkin	15.4	X	185.01567	128.41205	194.72542	0.99790	0.1309648	0.24333547	2.5409675	21	1 14.4	19.3
22612 Dandibner	13.9	X	227.20325	319.55357	74.66445	9.69855	0.1262990	0.21610298	2.7501869	21	5 26.7	18.0
22613 Callander	15.2	X	104.24231	25.01267	209.65311	8.50578	0.1617403	0.26777828	2.3838879	21	10 10.1	18.8
22614 1998 KA_6	14.4	X	149.35095	182.79565	144.68157	5.05765	0.1725290	0.19032361	2.9932359	21	—	—
22615 1998 KB_6	14.1	X	47.18103	190.82466	124.40050	14.30364	0.1439516	0.22066581	2.7121436	21	11 14.9	18.0
22616 Bogolyubov	14.7	X	42.68883	73.09673	156.21937	2.42743	0.1338556	0.26056840	2.4276620	21	7 6.1	17.0
22617 Vidphananu	15.8	X	231.77846	18.33517	186.28671	3.96926	0.1480058	0.28080386	2.3095853	21	—	—
22618 Silva Nortica	15.1	X	146.65261	196.58298	100.26345	3.50329	0.1416831	0.27808420	2.3246193	21	—	—
22619 Ajscheetz	15.0	X	44.31209	249.81906	147.85828	5.97992	0.0418760	0.28036050	2.3120195	21	—	—
22620 1998 KZ_{26}	15.0	X	138.46996	304.16225	43.63843	9.55014	0.1316682	0.24077436	2.5589544	21	—	—
22621 Larrybartel	14.9	X	8.83942	220.06363	78.74187	4.96099	0.0713429	0.22068753	2.7119656	21	8 13.1	18.2
22622 Strong	14.6	X	107.78561	31.44783	261.64096	6.28316	0.1849989	0.27293345	2.3537746	21	12 27.7	18.3
22623 Fisico	15.6	X	154.01234	80.56343	176.60595	4.91344	0.1337566	0.27558888	2.3386304	21	12 25.9	19.1
22624 1998 KS_{34}	13.8	X	131.43475	204.84540	91.97709	10.92858	0.0614550	0.19219661	2.9737576	21	—	—
22625 Kanipe	14.9	X	328.12483	258.56872	254.12294	5.45213	0.1162534	0.28573175	2.2829534	21	—	—
22626 Jengordinier	15.6	X	190.43301	9.56669	192.03362	6.55674	0.1224535	0.27475339	2.3433690	21	11 24.8	18.9
22627 Aviscardi	15.3	X	3.57502	55.05422	204.46374	0.69771	0.1522856	0.30026999	2.2086561	21	6 1.1	16.7
22628 Michaelallen	15.1	X	5.88612	176.32849	124.66799	3.23939	0.1741810	0.26134070	2.4228769	21	8 20.2	17.0
22629 1998 KF_{40}	13.0	X	272.61172	268.53112	225.76709	12.46705	0.1160299	0.23409204	2.6074237	21	12 3.4	16.1
22630 Wallmuth	15.3	X	353.82753	189.01672	96.24754	4.24302	0.1731318	0.25839266	2.4412707	21	6 23.8	17.3
22631 Dillard	14.4	X	245.81491	239.17139	218.63199	5.06162	0.0983323	0.26723048	2.3871446	21	9 12.6	17.6
22632 DiNovis	15.0	X	159.10799	127.52459	140.10186	2.26602	0.1492827	0.27687389	2.3313889	21	—	—
22633 Fazio	14.8	X	50.07065	210.11299	27.52441	3.03845	0.1238751	0.26112412	2.4242164	21	7 31.7	17.5
22634 1998 MN_7	14.3	X	349.36834	334.41750	26.03521	0.64311	0.2108717	0.17575551	3.1564343	21	10 1.5	17.5
22635 1998 MZ_{11}	13.4	X	140.60638	258.10647	133.22657	14.10761	0.1971700	0.24224821	2.5485647	21	3 3.9	17.3
22636 1998 MV_{13}	14.0	X	53.79431	133.06205	289.28041	21.28740	0.0902272	0.23631632	2.5910367	21	—	—
22637 1998 MR_{22}	13.3	X	47.30026	20.62968	276.14674	11.95200	0.1601471	0.22255296	2.6967900	21	10 13.8	17.0
22638 Abdulla	13.8	X	357.04727	248.60757	79.50734	4.77107	0.1180353	0.21755236	2.7379584	21	9 6.6	16.8
22639 Nickanthony	14.8	X	354.43633	159.48613	116.80503	5.01153	0.1483260	0.29819575	2.2188865	21	6 9.9	16.4
22640 Shalilabaena	14.6	X	87.42810	202.87873	98.46556	6.97113	0.1257882	0.26842502	2.3800571	21	12 14.5	17.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
22641 1998 MX_{34}	14.4	X	209.29746	356.93786	273.78565	13.29178	0.1418717	0.23713262	2.5850871	21	—	—
22642 1998 NV	14.9	X	302.79861	290.08526	107.73062	8.89377	0.3092864	0.22208009	2.7006168	21	8 7.9	17.8
22643 1998 OB_3	14.5	X	36.31995	227.46234	196.78915	4.15476	0.0719039	0.18996141	2.9970394	21	—	—
22644 Matejbel	14.3	X	327.21102	213.49001	205.67410	10.14310	0.1229745	0.17702271	3.1413529	21	11 9.2	18.1
22645 Rotblat	14.8	X	123.42504	276.04827	354.71475	1.91102	0.2032708	0.26851814	2.3795069	21	12 13.9	18.6
22646 1998 OB_8	14.7	X	67.87846	126.90605	147.36699	11.54822	0.1575122	0.26218643	2.4176638	21	10 25.7	18.2
22647 Lévi-Strauss	13.4	X	294.66244	179.97906	200.12018	2.31383	0.2490821	0.12493413	3.9629202	21	7 8.7	18.7
22648 1998 OG_9	14.1	X	175.16492	233.32968	153.96276	2.47558	0.0494228	0.20036726	2.8923547	21	3 25.7	18.4
22649 1998 OD_{12}	14.3	X	165.60369	218.87297	352.18855	5.94451	0.0782262	0.26635148	2.3923936	21	11 8.5	17.8
22650 1998 OG_{12}	13.8	X	190.96565	262.99135	342.84870	9.14938	0.0912376	0.23130582	2.6283206	21	—	—
22651 1998 QW	13.4	X	164.62728	109.04492	212.24826	14.40898	0.1513575	0.23453764	2.6041201	21	—	—
22652 1998 QV_1	13.7	X	44.50007	202.49818	139.58411	6.35484	0.1532361	0.17866304	3.1220959	21	12 4.4	18.0
22653 1998 QW_2	13.5	X	88.22957	261.59858	320.46109	45.80073	0.1811776	0.21597257	2.7512939	21	8 22.3	17.9
22654 1998 QA_5	14.8	X	311.54450	201.28528	236.32760	6.13414	0.0863135	0.26411920	2.4058547	21	11 28.4	17.3
22655 1998 QC_7	13.3	X	202.56732	117.09579	143.93156	11.02244	0.0764253	0.19121102	2.9839676	21	—	—
22656 Aaronburrows	14.1	X	340.19196	145.70807	145.06210	3.11056	0.1664005	0.25402875	2.4691500	21	6 3.0	16.4
22657 1998 QN_8	13.8	X	77.38872	9.25565	314.90294	3.46405	0.1063622	0.22572029	2.6715029	21	12 22.3	17.6
22658 1998 QQ_8	13.6	X	281.82694	233.61351	121.08762	6.86915	0.0741590	0.21047457	2.7990004	21	6 15.5	17.3
22659 1998 QW_{11}	14.5	X	135.44174	198.06646	163.28627	10.13616	0.0894568	0.19234887	2.9721881	21	1 12.6	18.9
22660 1998 QB_{16}	13.9	X	134.46600	203.70429	162.31155	10.50875	0.1006776	0.19229533	2.9727397	21	1 18.3	18.3
22661 1998 QP_{17}	15.4	X	136.91494	238.96545	15.30473	0.09271	0.2451185	0.26934415	2.3746395	21	12 5.4	19.4
22662 1998 QL_{18}	13.5	X	321.18570	69.36106	339.90863	4.38466	0.1488058	0.17472238	3.1688647	21	10 12.5	17.3
22663 1998 QV_{19}	13.7	X	196.35566	126.99869	162.96721	4.95155	0.1147819	0.23508628	2.6000669	21	—	—
22664 1998 QY_{22}	14.0	X	24.87584	344.48305	18.29645	5.27567	0.1572267	0.17791797	3.1308061	21	12 1.7	18.1
22665 1998 QL_{23}	13.7	X	357.32194	32.52637	351.75240	5.16446	0.1866049	0.17593407	3.1542982	21	11 16.0	17.2
22666 Josephchurch	14.4	X	15.57288	327.62702	292.21652	5.52751	0.1166713	0.25304020	2.4755766	21	6 29.9	16.8
22667 1998 QA_{26}	13.7	X	93.10255	221.95229	154.16974	5.67836	0.0781197	0.18663966	3.0324950	21	—	—
22668 1998 QF_{26}	14.5	X	178.60459	100.70557	156.79530	2.54525	0.2057848	0.27162919	2.3613032	21	—	—
22669 1998 QX_{32}	14.0	X	220.65185	181.54687	196.50486	2.23814	0.0648176	0.20364606	2.8612252	21	5 3.6	18.2
22670 1998 QO_{35}	13.9	X	209.39577	273.36679	103.49873	3.02367	0.0518840	0.20222704	2.8745943	21	4 20.9	18.1
22671 1998 QL_{36}	13.9	X	332.98932	72.81843	242.60212	3.39634	0.0579361	0.20991834	2.8039427	21	7 7.7	17.3
22672 1998 QV_{37}	13.9	X	173.36708	190.05140	192.61320	1.42090	0.0367646	0.19829772	2.9124439	21	3 16.6	18.2
22673 1998 QR_{38}	13.0	X	22.53039	49.63498	318.13904	9.09046	0.0881309	0.17771427	3.1331980	21	11 24.4	17.3
22674 1998 QF_{39}	14.1	X	355.04414	80.51636	150.91548	10.33598	0.0847491	0.20339671	2.8635631	21	4 20.3	17.7
22675 Davidcohn	14.1	X	9.77530	308.16445	333.96368	6.13252	0.1063923	0.21092703	2.7949962	21	7 22.7	17.3
22676 1998 QS_{41}	13.8	X	93.04729	195.29886	84.75043	1.67860	0.0467799	0.22029816	2.7151602	21	11 8.2	17.6
22677 1998 QY_{41}	14.0	X	130.14397	217.96299	138.83354	10.82882	0.1093608	0.18954907	3.0013843	21	1 5.1	18.5
22678 1998 QB_{42}	14.2	X	32.22764	322.29352	3.77481	8.98870	0.0890666	0.17504250	3.1650000	21	10 16.8	18.4
22679 Amydavid	15.1	X	222.39440	67.60976	167.84753	4.02964	0.1936323	0.27542040	2.3395840	21	—	—
22680 1998 QB_{44}	12.9	X	128.23806	306.08767	358.58719	10.08717	0.1130040	0.18425329	3.0586225	21	—	—
22681 1998 QL_{44}	14.0	X	246.26011	193.82099	126.33666	3.13806	0.0476972	0.19971615	2.8986377	21	3 23.9	18.2
22682 1998 QU_{47}	13.7	X	179.31499	246.15376	189.46035	1.70435	0.0453108	0.20440085	2.8541771	21	5 29.9	17.8
22683 1998 QB_{48}	13.8	X	278.44897	74.47704	186.38981	9.18927	0.0101036	0.23894771	2.5719793	21	2 10.9	17.4
22684 1998 QO_{50}	13.5	X	160.15731	203.06756	144.98293	9.98818	0.0724974	0.19204964	2.9752745	21	1 22.5	18.0
22685 Dominguez	14.0	X	35.88192	310.97759	318.69410	3.05342	0.0601321	0.21114268	2.7930928	21	8 11.2	17.6
22686 Mishchenko	13.7	X	258.59096	33.28169	199.62113	13.77432	0.1005039	0.23210450	2.6222877	21	—	—
22687 1998 QJ_{64}	14.2	X	69.08384	184.61642	175.06253	15.20195	0.1116663	0.22773443	2.6557280	21	—	—
22688 1998 QB_{77}	14.1	X	221.08572	280.82819	313.38116	12.59905	0.1353015	0.22972920	2.6403323	21	—	—
22689 1998 QQ_{84}	13.7	X	330.34591	220.59242	236.33372	12.93663	0.1295964	0.18152871	3.0891512	21	12 31.1	17.5
22690 1998 QU_{96}	13.3	X	104.22539	75.06168	227.23452	10.58952	0.1711697	0.22439828	2.6819851	21	12 26.7	17.7
22691 1998 QD_{99}	13.0	X	187.63458	288.61497	93.05301	3.29795	0.0698105	0.19857335	2.9097482	21	4 3.5	17.4
22692 Carfrekahl	13.4	X	183.94127	75.80510	356.11035	16.51381	0.1651128	0.15853423	3.3810689	21	5 28.5	19.2
22693 1998 QF_{102}	13.7	X	107.87623	304.27239	5.23516	11.08527	0.0783647	0.22477883	2.6789572	21	—	—
22694 Tyndall	13.3	X	293.74464	271.62799	13.10248	14.93858	0.0999654	0.24404534	2.5360377	21	3 24.4	16.7
22695 1998 QQ_{104}	14.0	X	230.37179	132.34373	69.52742	5.71463	0.0381706	0.18195097	3.0843699	21	—	—
22696 1998 QT_{105}	14.3	X	147.13384	269.05817	40.30724	7.11309	0.1391614	0.27306970	2.3529916	21	—	—
22697 Mánek	13.4	X	163.51359	271.40715	207.00676	16.59309	0.0904446	0.21008843	2.8024290	21	7 4.5	18.0
22698 1998 RA_5	13.8	X	141.89709	358.52072	313.14359	5.85716	0.0160132	0.18517346	3.0484814	21	—	—
22699 1998 RU_{22}	13.6	X	296.38960	342.66181	25.43684	2.98089	0.2377343	0.12380002	3.9870856	21	6 28.5	18.9
22700 1998 RP_{37}	13.4	X	123.23058	291.14194	272.93164	4.27724	0.0976995	0.17048728	3.2211286	21	9 6.4	18.3
22701 Cyannaskye	14.4	X	58.56145	248.29342	6.51917	3.78268	0.1264126	0.29965903	2.2116571	21	9 11.9	16.9
22702 1998 RO_{40}	13.6	X	9.20443	263.23948	75.00672	5.43334	0.0604396	0.17239777	3.1972869	21	10 1.3	17.9
22703 1998 RO_{44}	13.3	X	179.04447	107.86355	59.86483	5.90968	0.1107411	0.17239881	3.1972741	21	9 23.7	18.3
22704 1998 RZ_{52}	13.6	X	86.55568	233.04879	162.03472	7.64949	0.0398320	0.18758296	3.0223201	21	—	—
22705 Erinedwards	14.1	X	276.05101	123.07349	162.73035	2.21657	0.0356632	0.19802806	2.9150872	21	3 17.1	18.0
22706 Ganguly	14.7	X	62.74212	250.14372	214.39414	3.10362	0.1333316	0.23444671	2.6047934	21	2 9.6	17.5
22707 Jackgrundy	13.9	X	200.42607	108.50823	137.91997	1.52357	0.1411895	0.18522951	3.0478664	21	—	—
22708 1998 RK_{66}	13.7	X	240.99466	124.30387	249.63802	2.11107	0.0983049	0.20306519	2.8666790	21	5 17.9	17.8
22709 1998 RR_{73}	13.7	X	174.96318	51.73732	200.48884	13.20532	0.1468071	0.22520592	2.6755692	21	12 29.6	18.2
22710 1998 RF_{75}	13.3	X	87.24174	69.32481	183.69154	10.01633	0.0469301	0.16999051	3.2274011	21	9 21.6	18.0
22711 1998 RZ_{75}	13.5	X	207.57673	129.08932	169.94993	9.81543	0.0582425	0.19050369	2.9913493	21	1 13.6	18.1
22712 1998 RF_{78}	13.1	X	263.91779	13.66755	123.99912	4.59422	0.0125436	0.17724585	3.1387158	21	11 29.4	17.5
22713 1998 RK_{79}	13.4	X	112.19114	152.53765	82.82159	5.93778	0.0851133	0.17158760	3.2073433	21	10 6.6	18.2
22714 1998 SR_2	12.8	X	132.00206	266.35453	338.16891	27.01198	0.2059201	0.17214903	3.2003661	21	10 26.6	18.7
22715 1998 SQ_6	14.5	X	238.20195	133.70352	177.18623	1.98443	0.0607722	0.19804135	2.9149568	21	2 28.9	18.7
22716 1998 SV_9	13.9	X	82.77015	151.74199	161.54304	1.69548	0.1432928	0.17814983	3.1280891	21	12 10.9	18.7
22717 Romeuf	13.5	X	8.28215	232.95880	112.12557	5.34051	0.0845413	0.17177112	3.2050584	21	10 10.1	17.6
22718 1998 SY_{15}	13.2	X	265.36023	170.29493	307.79344	0.80740	0.0880410	0.17581652	3.1557040	21	10 26.7	17.5
22719 Nakadori	13.1	X	103.06752	207.20763	71.69036	6.32859	0.0208532	0.21713886	2.7414333	21	11 15.9	16.8
22720 1998 SF_{49}	13.0	X	152.63450	126.63363	18.90876	2.38714	0.0643891	0.16118637	3.3438786	21	7 28.5	17.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
22721 1998 ST_{50}	13.6	X	255.82360	168.46371	9.28808	3.78539	0.1771052	0.17799123	3.1299470	21	12 13.9	17.9
22722 Timothycooper	12.8	X	162.87319	34.75482	185.64850	14.03615	0.2509882	0.22131516	2.7068360	21	11 11.9	17.7
22723 Edlopez	14.7	X	149.28784	187.27066	175.94044	8.39513	0.0777429	0.23398338	2.6082309	21	1 20.8	18.4
22724 Byatt	13.2	X	104.74878	132.26963	99.26677	2.83105	0.1128152	0.17043825	3.2217464	21	9 25.2	18.0
22725 Drabble	14.6	X	90.47100	104.75614	257.99185	5.25293	0.1486754	0.27013556	2.3699992	21	—	—
22726 1998 SZ_{72}	13.7	X	99.19031	210.50899	107.36233	2.67938	0.1408325	0.17874335	3.1211606	21	12 31.7	18.7
22727 1998 SV_{82}	13.4	X	167.68441	110.01852	218.99240	10.29963	0.1163147	0.18945048	3.0024255	21	1 10.6	18.2
22728 1998 SH_{106}	13.0	X	17.84785	318.12362	22.40157	11.49987	0.1940259	0.17252700	3.1956902	21	10 26.9	16.7
22729 Anthennig	15.3	X	95.09984	115.28444	2.31776	6.89584	0.0835329	0.28259845	2.2997971	21	4 5.4	18.0
22730 Jacobhurwitz	15.1	X	93.73395	275.83185	189.15868	1.33921	0.1148779	0.23704181	2.5857473	21	3 29.2	18.2
22731 1998 SD_{122}	13.1	X	245.06172	12.44668	217.40283	8.85747	0.0405300	0.18484025	3.0521440	21	—	—
22732 Jakpor	13.8	X	67.08818	291.60993	11.09481	1.31041	0.1991860	0.17475463	3.1684748	21	11 17.9	18.5
22733 1998 SN_{132}	13.7	X	192.58784	358.51718	266.84263	4.85465	0.1888056	0.18432085	3.0578751	21	—	—
22734 Theojones	15.4	X	346.63162	82.51716	8.44346	2.42561	0.1759453	0.26486394	2.4013428	21	—	—
22735 1998 SZ_{134}	13.4	X	180.59391	63.70843	186.66506	12.41406	0.1028772	0.18051009	3.1007617	21	12 28.3	18.4
22736 Kamitaki	14.6	X	40.89723	37.12141	89.46705	5.62026	0.0798880	0.27692965	2.3310759	21	1 21.9	16.9
22737 1998 SY_{139}	12.8	X	193.28060	15.77753	236.75864	10.15926	0.0200274	0.18068678	3.0987400	21	—	—
22738 1998 SL_{142}	13.4	X	275.32073	159.64105	48.42184	11.36927	0.0474527	0.18548675	3.0450479	21	—	—
22739 Sikhote–Alin	14.3	X	54.85798	22.39651	151.27803	2.25245	0.0614827	0.19762709	2.9190289	21	5 2.0	18.1
22740 Rayleigh	13.4	X	43.56571	112.24896	168.98478	3.11976	0.2159239	0.16870230	3.2438098	21	9 25.9	17.4
22741 1998 SQ_{154}	14.1	X	263.98930	234.05610	302.92695	3.04082	0.1004090	0.22407252	2.6845839	21	—	—
22742 1998 TX_{5}	13.4	X	37.60500	27.62156	268.58515	1.89532	0.1272464	0.21183775	2.7869798	21	9 27.1	16.8
22743 1998 TD_{18}	13.5	X	83.69624	64.53715	230.25531	13.28632	0.2479741	0.17620068	3.1511155	21	11 30.7	18.6
22744 Esterantonucci	13.2	X	141.59721	63.94015	163.10340	4.71390	0.1017327	0.17126956	3.2113127	21	10 26.1	18.1
22745 Rikuzentakata	13.6	X	154.56016	213.42763	44.07244	13.00731	0.1127477	0.22063287	2.7124135	21	12 17.4	18.0
22746 1998 UC_{7}	13.9	X	153.44130	218.22690	219.14732	11.35258	0.0270565	0.19623882	2.9327796	21	4 30.3	18.0
22747 1998 UD_{7}	14.1	X	221.69711	270.99689	34.00986	3.06089	0.2849172	0.23589068	2.5941526	21	1 28.5	18.8
22748 1998 UW_{8}	14.0	X	57.66194	313.19657	344.34840	1.63947	0.0859782	0.17079028	3.2173177	21	10 15.5	18.4
22749 1998 UF_{19}	15.7	X	303.30768	237.82783	162.32575	2.85058	0.1764668	0.25361072	2.4718625	21	9 6.8	18.0
22750 1998 US_{20}	15.0	X	290.66867	235.79673	188.30915	1.75623	0.0477474	0.25447327	2.4662737	21	10 8.5	17.9
22751 1998 UA_{27}	13.9	X	85.11875	134.32267	110.68428	4.66208	0.1411024	0.29652970	2.2271899	21	10 7.1	16.8
22752 1998 VS_{34}	14.4	X	196.70362	247.67386	175.28369	14.81129	0.1164847	0.24036234	2.5618780	21	6 2.1	18.6
22753 1998 WT	17.5	X	6.49529	324.77147	307.40673	3.20432	0.5698649	0.73229404	1.2190244	21	1 13.9*	18.8
22754 Olympus	12.5	X	97.18525	255.29572	79.81170	17.20961	0.0695499	0.17796163	3.1302940	21	—	—
22755 1998 WO_{9}	15.0	X	244.10031	272.09438	67.30057	5.12329	0.0699233	0.28271136	2.2991848	21	4 4.8	18.1
22756 Manpreetkaur	16.0	X	68.22284	40.59779	325.37214	0.85990	0.1559347	0.26488088	2.4012404	21	—	—
22757 Klimcak	14.3	X	229.48412	270.30390	124.66635	3.18532	0.0764198	0.20014957	2.8944515	21	6 3.6	18.6
22758 Lemp	15.0	X	110.97900	163.97101	335.46454	1.79980	0.1290277	0.28265500	2.2994904	21	6 6.8	17.8
22759 1998 XA_{4}	13.6	X	83.63940	335.46111	48.64254	8.19601	0.1805630	0.26747685	2.3856785	21	—	—
22760 1998 XR_{4}	13.7	X	116.50206	59.50940	307.93312	5.18366	0.0545604	0.22288285	2.6941284	21	—	—
22761 1998 YH_{4}	14.6	X	52.31520	168.46591	119.43077	8.43645	0.1345312	0.29598971	2.2298979	21	10 25.5	17.4
22762 1998 YM_{12}	14.2	X	247.44039	318.90903	50.88604	2.79035	0.1171125	0.19507227	2.9444602	21	5 18.4	18.5
22763 1999 AW_{3}	14.6	X	265.10342	298.36119	85.64667	7.84049	0.1545669	0.24086350	2.5583230	21	6 20.1	18.1
22764 1999 AX_{3}	15.1	X	346.46339	145.90927	48.30788	3.66286	0.0825724	0.31239877	2.1511127	21	1 21.1	17.3
22765 1999 AR_{5}	13.2	X	222.73956	312.92650	89.35392	10.45540	0.0732051	0.19268677	2.9687124	21	6 6.0	17.5
22766 1999 AE_{7}	13.9	X	336.99102	160.77514	150.81431	9.32817	0.1926473	0.23946176	2.5682971	21	6 26.5	16.4
22767 1999 AL_{21}	14.5	X	84.06636	198.15148	147.67508	3.15234	0.1997686	0.25956685	2.4339028	21	—	—
22768 1999 AU_{32}	14.5	X	133.15492	231.86212	346.96995	1.53012	0.0092422	0.20341970	2.8633474	21	10 4.0	18.3
22769 Aurelianora	13.5	X	283.05006	238.46887	6.57471	3.04935	0.1333226	0.18014348	3.1049672	21	1 26.1	18.0
22770 1999 BR_{14}	14.7	X	110.55896	153.22277	58.87962	6.80298	0.0634026	0.28362788	2.2942290	21	9 13.7	17.7
22771 1999 CU_{3}	16.8	X	19.22795	305.80798	338.94961	11.40208	0.5241463	0.49806282	1.5762072	21	11 28.2	19.0
22772 1999 CU_{17}	13.4	X	248.36103	112.72080	301.86415	1.09608	0.0817427	0.19849018	2.9105609	21	7 20.2	17.5
22773 1999 CV_{17}	13.7	X	4.17848	102.74657	2.80387	1.12384	0.1597658	0.17502804	3.1651743	21	—	—
22774 1999 CA_{19}	13.1	X	267.72870	204.70978	88.65804	11.63395	0.0615363	0.18460406	3.0547468	21	3 20.9	17.7
22775 Jasonelloyd	14.5	X	289.63301	286.79680	340.47359	5.36854	0.0983238	0.27076248	2.3663395	21	2 18.9	17.5
22776 Matossian	14.5	X	273.58535	311.15510	27.45797	7.02898	0.1336997	0.27949123	2.3168109	21	4 29.3	17.5
22777 McAliley	14.9	X	343.90030	202.36689	325.80339	2.02027	0.1251709	0.26438829	2.4042220	21	—	—
22778 1999 CN_{63}	14.0	X	270.50316	195.78215	210.00523	11.59506	0.0638162	0.19827601	2.9126565	21	8 4.5	18.2
22779 1999 FU_{24}	13.8	X	14.79507	71.26977	171.17071	2.80400	0.1267274	0.18367661	3.0650212	21	6 5.7	17.3
22780 McAlpine	15.5	X	178.31373	198.99559	27.16954	4.69411	0.0992708	0.29349196	2.2425316	21	12 17.1	18.5
22781 1999 GN_{4}	15.0	X	332.55578	344.51933	90.76761	5.40026	0.0883965	0.29176032	2.2513960	21	—	—
22782 Kushalnaik	15.1	X	269.35463	347.31856	160.56604	4.23266	0.0599421	0.29325300	2.2437497	21	—	—
22783 Teng	14.5	X	154.58556	241.22286	287.69872	3.71513	0.2062409	0.23760866	2.5816332	21	9 2.6	19.0
22784 Theresaoei	13.8	X	333.64619	128.88013	8.61444	4.18290	0.1060910	0.25365703	2.4715616	21	—	—
22785 1999 JP_{62}	13.4	X	9.77594	61.56093	209.47763	10.22293	0.0626162	0.18230637	3.0803601	21	7 2.5	17.6
22786 Willipete	14.7	X	144.16898	255.20039	145.60999	5.90757	0.1930662	0.26085148	2.4259053	21	3 15.5	18.3
22787 1999 JL_{81}	14.0	X	109.94457	111.64425	247.32483	10.58490	0.3356725	0.24118970	2.5560159	21	1 3.2	17.3
22788 von Steuben	13.9	X	320.55113	266.12309	256.16830	8.46617	0.2088510	0.25773486	2.4454227	21	—	—
22789 1999 KA_{4}	15.6	X	248.67457	112.41605	56.43392	2.65284	0.0907402	0.29189947	2.2506805	21	—	—
22790 1999 KP_{4}	14.3	X	94.90767	239.73569	131.82738	26.29708	0.0628260	0.37779420	1.8951017	21	—	—
22791 Twarog	15.7	X	283.88156	240.34796	105.68646	2.79176	0.2011129	0.30925360	2.1656730	21	5 12.7	18.4
22792 1999 NU	15.3	X	52.92211	81.93369	281.58777	6.15871	0.1400961	0.28164364	2.3049920	21	—	—
22793 1999 NW_{1}	14.5	X	29.88577	23.61282	308.30708	24.52329	0.2325098	0.27374932	2.3490956	21	11 30.4	17.9
22794 Lindsayleona	15.7	X	141.44001	210.59112	197.19501	2.97583	0.1448057	0.29676967	2.2259891	21	3 9.4	18.5
22795 1999 NX_{14}	14.7	X	256.06504	256.61520	77.30294	3.07405	0.2112251	0.25971413	2.4329826	21	3 31.2	18.5
22796 1999 NH_{18}	13.0	X	106.40933	312.14456	322.23298	9.63809	0.0674423	0.19117973	2.9842932	21	11 10.5	17.6
22797 1999 NO_{18}	14.5	X	298.54192	290.84040	48.48065	3.17132	0.2037993	0.26549524	2.3975346	21	5 24.5	17.4
22798 1999 NU_{18}	13.6	X	17.13165	189.03426	98.09466	11.19374	0.0788751	0.18109745	3.0940536	21	8 8.7	17.6
22799 1999 NH_{21}	15.6	X	79.22396	267.03549	80.26378	7.33764	0.2092165	0.28356652	2.2945599	21	—	—
22800 1999 NY_{22}	14.9	X	28.00573	205.50076	131.07952	4.85677	0.2591518	0.27578401	2.3375271	21	12 10.9	17.7

* The additional opposition: 12 1.2, $V = 18.6$

Planet		H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
		m		°	°	°	°		°				
22801	1999 NP_{39}	15.2	X	234.93515	36.70402	349.57211	4.68015	0.2590693	0.26038514	2.4288009	21	5 11.1	19.4
22802	Sigiriya	15.2	X	154.84116	156.89057	156.12262	6.55456	0.1943791	0.28649880	2.2788768	21	—	—
22803	1999 RV	14.6	X	19.16291	196.03175	208.59108	4.89287	0.2913191	0.23382784	2.6093875	21	—	—
22804	1999 RZ_{1}	15.0	X	271.84551	19.48777	5.05637	0.90858	0.1992581	0.26209203	2.4182443	21	6 22.5	18.3
22805	1999 RR_{2}	12.5	X	268.14578	172.68706	259.02984	17.24393	0.1576245	0.17572793	3.1567645	21	8 15.4	17.3
22806	1999 RZ_{3}	15.5	X	173.04200	121.21955	205.61413	2.80506	0.1588041	0.29214079	2.2494409	21	—	—
22807	1999 RK_{7}	15.2	X	304.13155	318.33542	15.97008	2.07009	0.2439055	0.30761561	2.1733540	21	5 15.2	17.6
22808	1999 RU_{12}	12.1	X	343.58497	342.40616	310.06814	10.47584	0.1857248	0.08342068	5.1874458	21	6 17.9	18.1
22809	Kensiequade	14.6	X	306.27336	101.74767	345.12620	2.15681	0.1913667	0.27454727	2.3445417	21	11 28.8	16.3
22810	Rawat	15.6	X	58.36631	39.48429	327.02920	3.72885	0.1204292	0.28058365	2.3107936	21	—	—
22811	1999 RS_{15}	15.7	X	238.92546	5.38531	5.28811	1.14632	0.1383691	0.30350563	2.1929306	21	5 1.4	18.7
22812	Ricker	15.6	X	219.34793	206.84517	223.01752	2.04472	0.1625561	0.26166230	2.4208912	21	6 29.7	19.3
22813	1999 RY_{17}	14.8	X	93.78831	64.80153	310.75492	2.36748	0.2272420	0.23960488	2.5672743	21	—	—
22814	1999 RJ_{18}	15.3	X	235.52613	261.69473	113.77919	3.36043	0.2051747	0.25789729	2.4443958	21	5 4.2	19.3
22815	Sewell	15.2	X	34.22793	154.85967	194.50572	6.22684	0.1565850	0.27536455	2.3399003	21	12 19.8	18.2
22816	1999 RL_{21}	15.8	X	10.99842	210.26078	132.72762	3.00582	0.2259144	0.27168827	2.3609608	21	11 16.7	17.9
22817	Shankar	15.0	X	91.20661	180.12188	168.18884	5.58090	0.1113975	0.23648707	2.5897894	21	—	—
22818	1999 RX_{25}	15.3	X	336.36434	319.31563	12.82837	4.59181	0.1820251	0.31107076	2.1572307	21	8 5.9	16.4
22819	Davidtao	15.5	X	44.55816	351.29410	43.07565	2.43659	0.0488246	0.28054956	2.3109807	21	—	—
22820	1999 RM_{31}	14.4	X	318.69367	1.79625	6.38225	14.59063	0.1010472	0.22100144	2.7093970	21	8 30.7	17.7
22821	1999 RS_{33}	15.6	X	169.72234	282.86216	41.35257	4.91798	0.2008329	0.29095397	2.2555538	21	—	—
22822	1999 RT_{35}	15.2	X	15.52281	325.46546	6.63353	8.21533	0.1383774	0.27039083	2.3685074	21	10 21.7	17.7
22823	1999 RN_{38}	14.5	X	97.57050	222.78181	122.99392	1.52877	0.1357615	0.28153209	2.3056008	21	—	—
22824	von Neumann	15.5	X	45.24783	118.99409	238.93795	4.67317	0.1601623	0.27656713	2.3331125	21	—	—
22825	1999 RO_{39}	15.1	X	197.16130	337.44815	25.18907	6.69355	0.1709437	0.29655959	2.2270403	21	3 13.1	18.5
22826	1999 RR_{42}	13.5	X	33.24031	209.68310	163.05269	10.06948	0.0996901	0.18393279	3.0621746	21	12 20.1	17.8
22827	Arvernia	15.1	X	55.26208	180.33938	176.87558	6.72126	0.1387929	0.27843171	2.3226847	21	—	—
22828	Jaynethomp	14.3	X	58.51602	109.90983	172.79289	6.17845	0.1656931	0.22907447	2.6453609	21	10 19.1	17.8
22829	Paigerin	14.9	X	287.85456	291.63799	79.00113	3.36897	0.1908317	0.26543575	2.3978929	21	6 25.7	17.5
22830	Tinker	13.9	X	34.59154	260.22459	46.17291	1.65613	0.2028098	0.18346659	3.0673598	21	10 14.8	17.5
22831	Trevanvoorth	14.3	X	18.15518	248.40553	172.34717	9.44066	0.0643122	0.19344989	2.9608999	21	—	—
22832	1999 RM_{54}	14.9	X	275.79531	70.14686	348.08326	7.71935	0.2240770	0.26780792	2.3837119	21	8 12.9	17.9
22833	Scottyu	15.0	X	104.29986	209.40606	248.38379	4.65461	0.0651550	0.29687140	2.2254806	21	3 14.8	17.6
22834	1999 RL_{76}	15.0	X	299.96815	357.04614	175.14646	5.45418	0.0970117	0.28651115	2.2788113	21	—	—
22835	Rickgardner	14.9	X	78.68568	182.01424	192.28311	7.27116	0.1856006	0.23715033	2.5849584	21	—	—
22836	Leeannragasa	15.4	X	26.92201	124.40362	20.05140	1.06772	0.0548930	0.24718167	2.5145400	21	2 1.3	18.3
22837	Richardcruz	15.0	X	114.05503	317.85140	19.77233	8.41292	0.1608750	0.28374879	2.2935772	21	—	—
22838	Darcyhampton	14.6	X	218.89583	241.07585	156.82201	4.89015	0.0788831	0.21264034	2.7799626	21	5 26.4	18.7
22839	Richlawrence	15.8	X	30.05121	12.60655	33.33374	3.29016	0.0384121	0.28045332	2.3115094	21	—	—
22840	Villarreal	14.6	X	165.78121	79.29171	4.08954	5.96409	0.0074547	0.21169852	2.7882016	21	5 19.4	18.5
22841	1999 RK_{105}	13.6	X	162.23229	52.03064	182.56397	14.12201	0.1342960	0.23038405	2.6353266	21	12 1.0	18.0
22842	Alenashort	15.2	X	88.18076	318.44541	105.73866	2.77499	0.0652062	0.24462682	2.5320173	21	1 17.1	18.0
22843	Stverak	14.0	X	164.58485	234.10454	298.70682	2.80695	0.1334774	0.22242522	2.6978224	21	9 15.2	18.2
22844	1999 RU_{111}	13.5	X	93.21742	269.31489	170.57679	28.40339	0.4362923	0.20156719	2.8808644	21	4 19.2	18.2
22845	1999 RA_{115}	13.7	X	358.91853	204.37373	310.77568	9.79831	0.0703451	0.20163840	2.8801862	21	1 15.6	17.5
22846	Fredwhitaker	15.6	X	299.47410	194.54894	173.58972	8.12012	0.1315252	0.26678423	2.3898058	21	7 19.5	18.4
22847	Utley	15.5	X	103.43548	25.21045	34.22431	2.32091	0.1157940	0.24696122	2.5160362	21	2 9.4	18.5
22848	Chrisharriot	15.2	X	242.05585	159.56217	281.07385	1.85830	0.1490708	0.26613753	2.3936757	21	8 9.3	18.5
22849	1999 RZ_{125}	13.8	X	256.69967	255.99015	324.37537	14.84619	0.1212456	0.24481161	2.5307430	21	—	—
22850	1999 RZ_{126}	14.4	X	191.74949	197.17071	214.64407	9.10245	0.1987773	0.21196463	2.7858674	21	5 13.6	19.1
22851	1999 RX_{127}	14.9	X	26.34920	147.92544	235.09445	1.80334	0.2209656	0.27823041	2.3238048	21	—	—
22852	Kinney	15.2	X	15.66193	247.40031	145.33861	4.52105	0.1670644	0.27839438	2.3228923	21	—	—
22853	1999 RH_{130}	15.3	X	307.27349	217.40737	164.74710	2.82856	0.2161511	0.26806397	2.3821938	21	8 11.4	17.5
22854	1999 RY_{131}	15.3	X	58.68047	221.99654	177.55675	13.99633	0.1606885	0.23916607	2.5704136	21	—	—
22855	Donnajones	14.8	X	32.26680	215.54100	206.66748	3.12680	0.1105060	0.23927523	2.5696317	21	—	—
22856	Stevenzeiher	15.7	X	65.90811	68.44145	1.94493	3.99097	0.0604798	0.24233599	2.5479492	21	—	—
22857	Hyde	15.3	X	43.39761	316.90545	174.05280	6.08852	0.1257266	0.29161803	2.2521284	21	1 25.7	17.4
22858	Suesong	15.5	X	232.55329	322.08718	195.06733	5.75809	0.0497913	0.27554298	2.3388901	21	11 26.9	18.4
22859	1999 RF_{146}	14.7	X	199.71792	141.89451	272.21620	3.09546	0.1084475	0.30387665	2.1911452	21	5 19.3	17.6
22860	Francylemp	15.0	X	302.33000	86.57743	265.36110	0.48723	0.1957824	0.26478451	2.4018230	21	6 19.9	17.6
22861	1999 RY_{149}	15.9	X	114.92199	20.23931	331.76533	6.16680	0.2076583	0.28619029	2.2805142	21	—	—
22862	Janinedavis	16.0	X	136.76158	33.78104	300.89449	1.13315	0.0937433	0.28732789	2.2744908	21	—	—
22863	Namarkarian	14.8	X	255.46105	353.35913	186.54560	2.77545	0.0518662	0.23792374	2.5793535	21	—	—
22864	1999 RO_{161}	13.0	X	0.41997	182.85653	134.44200	1.86003	0.1790990	0.17893112	3.1189766	21	8 24.5	16.1
22865	Amymoffett	14.0	X	164.39148	187.46503	73.61529	5.16753	0.1402813	0.19257506	2.9698603	21	12 26.7	18.8
22866	1999 RQ_{179}	15.2	X	132.64726	292.53322	95.50184	4.99362	0.2192933	0.24569493	2.5246737	21	2 20.9	18.9
22867	1999 RZ_{184}	13.7	X	39.81113	262.07643	139.57514	11.05502	0.1060469	0.19072637	2.9890205	21	—	—
22868	Karst	14.3	X	97.78829	216.85891	286.05936	1.07997	0.1313655	0.21092988	2.7949710	21	5 29.1	18.1
22869	Brianmcfar	15.3	X	347.34059	27.05354	25.89821	4.44772	0.1894757	0.23028697	2.6360672	21	12 24.2	17.8
22870	Rosing	12.5	X	319.82265	39.55329	352.80920	12.82683	0.1723734	0.22363305	2.6880998	21	9 22.9	15.3
22871	Ellenoei	15.1	X	101.99896	8.50948	323.50823	6.98676	0.1936335	0.28212426	2.3023734	21	—	—
22872	Williamweber	15.2	X	185.72797	6.68700	328.10625	5.65856	0.1797442	0.29262573	2.2469550	21	1 25.9	18.7
22873	Heatherholt	15.1	X	315.85726	59.01736	274.53603	3.44888	0.1955443	0.26359044	2.4090711	21	6 15.8	17.2
22874	Haydeephelps	14.4	X	48.71692	151.63731	295.82829	5.99903	0.0802748	0.28721876	2.2750670	21	—	—
22875	Lanejackson	15.6	X	171.54448	13.32632	319.13312	6.57851	0.0979857	0.29000650	2.2604638	21	—	—
22876	1999 RR_{198}	14.6	X	261.88145	165.51641	201.85159	5.03760	0.2118920	0.26015738	2.4302183	21	5 17.9	18.1
22877	Reginamiller	14.6	X	4.63597	199.04312	261.40895	5.07142	0.1179798	0.28319832	2.2965484	21	—	—
22878	1999 RA_{202}	15.1	X	293.16158	159.79167	252.78715	11.04561	0.1786681	0.22191450	2.7019601	21	8 27.7	18.6
22879	1999 RJ_{211}	14.4	X	208.55119	165.50508	348.77451	12.90679	0.1026765	0.22358951	2.6884488	21	10 5.7	18.4
22880	Pulaski	14.9	X	260.58840	18.16838	25.91952	7.51327	0.1491303	0.26450039	2.4035427	21	7 14.5	18.3

Planet		H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
		m		°	°	°	°		°				
22881	1999 RJ_{227}	14.4	X	300.03919	298.40672	167.53461	9.39267	0.2965386	0.18365767	3.0652319	21	11 5.3	17.7
22882	1999 RV_{230}	14.6	X	314.31306	272.77498	133.08692	13.39709	0.1927280	0.22397590	2.6853559	21	10 6.9	17.5
22883	1999 RC_{231}	14.5	X	334.97485	259.66649	103.83088	6.57125	0.3496793	0.22329164	2.6908392	21	9 2.5	15.9
22884	1999 RK_{236}	15.5	X	359.72150	250.40344	95.61725	7.92104	0.1282593	0.26977248	2.3721253	21	10 19.0	17.9
22885	Sakaemura	15.1	X	54.47051	304.89579	145.62561	6.91371	0.0582330	0.28783703	2.2718079	21	—	—
22886	1999 SB_2	14.1	X	10.33712	119.01586	267.58795	12.61545	0.1952146	0.22967417	2.6407540	21	12 29.2	17.1
22887	1999 SX_3	15.5	X	168.89895	137.48435	211.71341	1.78263	0.0240002	0.29072746	2.2567252	21	1 9.2	18.1
22888	1999 SL_4	13.5	X	314.27896	214.66814	198.27017	4.69665	0.2773296	0.17688268	3.1430106	21	9 20.2	16.8
22889	Donnablaney	14.8	X	59.47847	290.92264	70.93425	6.72855	0.1534285	0.23522402	2.5990518	21	—	—
22890	Ruthaellis	14.8	X	163.98721	251.25435	59.28081	7.09564	0.1739442	0.28866578	2.2674577	21	—	—
22891	1999 SO_{11}	15.2	X	336.70725	165.49294	155.59183	4.42700	0.2008071	0.30888981	2.1673730	21	7 10.6	16.4
22892	1999 SV_{16}	15.3	X	31.05050	44.05031	229.69190	5.95585	0.0565444	0.26479944	2.4017327	21	8 9.4	18.2
22893	1999 SD_{18}	15.0	X	157.52878	238.25472	94.87817	7.29051	0.2278426	0.24417066	2.5351698	21	1 8.7	18.8
22894	1999 TW	14.7	X	306.57724	102.16228	214.30568	3.37152	0.2195406	0.30536005	2.1840433	21	4 27.1	16.8
22895	1999 TV_5	13.7	X	122.16181	137.02598	221.82367	11.21846	0.2041568	0.23824763	2.5770152	21	—	—
22896	1999 TU_6	15.2	X	89.93742	299.81422	15.59158	3.40490	0.1188634	0.27647239	2.3336454	21	—	—
22897	1999 TH_7	14.3	X	251.53245	286.56366	211.90112	5.94545	0.0582471	0.27204905	2.3588731	21	11 25.4	17.0
22898	Falce	14.4	X	124.72981	136.05639	200.86376	10.34097	0.1352913	0.19103294	2.9858218	21	—	—
22899	Alconrad	13.8	X	228.45694	220.63130	135.98878	2.88253	0.0837091	0.20551763	2.8438280	21	4 14.8	18.1
22900	Trudie	14.0	X	196.52664	258.05126	57.74939	7.32805	0.1150473	0.24268493	2.5455063	21	1 17.5	17.9
22901	Ivanbella	13.7	X	85.21388	205.15922	199.45325	5.69184	0.1445952	0.23995958	2.5647438	21	—	—
22902	1999 TH_{17}	14.0	X	152.64971	269.68505	91.82493	3.20156	0.0983267	0.19773772	2.9179401	21	2 2.4	18.4
22903	Georgeclooney	14.3	X	334.47401	327.20633	20.60278	25.44144	0.2440357	0.26650432	2.3914789	21	9 7.1	16.5
22904	1999 TL_{19}	14.6	X	111.86809	132.96271	173.27887	4.78166	0.0871199	0.23219113	2.6216355	21	—	—
22905	Liciniotoso	14.8	X	40.68392	328.97134	205.41465	4.76539	0.0969922	0.29715763	2.2240513	21	3 28.5	16.6
22906	Lisauckis	14.8	X	48.42703	9.46323	211.16496	8.94573	0.0785371	0.25760944	2.4462164	21	6 24.3	17.8
22907	van Voorthuijsen	14.3	X	21.10112	166.56789	217.67185	9.88076	0.1336780	0.18314082	3.0709962	21	12 21.3	18.4
22908	Bayefsky–Anand	14.0	X	227.46643	9.16304	222.36148	6.48461	0.0802104	0.28047572	2.3113863	21	—	—
22909	Gongmyunglee	14.7	X	226.48172	228.51226	300.43299	2.21935	0.0427802	0.23036962	2.6354366	21	11 25.8	18.2
22910	Ruiwang	15.5	X	330.16808	68.46706	264.11172	0.82015	0.1513906	0.26437408	2.4043082	21	7 20.5	17.6
22911	Johnpardon	15.2	X	328.01596	43.82772	223.11481	1.91008	0.0927668	0.30101155	2.2050272	21	4 8.7	17.3
22912	Noraxu	15.0	X	346.18507	279.98572	207.37931	7.26795	0.1560070	0.23680980	2.5874359	21	—	—
22913	Brockman	14.3	X	314.39957	119.12657	330.44238	2.06978	0.1168669	0.22976766	2.6400376	21	12 9.6	17.2
22914	Tsunanmachi	14.3	X	358.26723	225.45174	157.69589	15.27109	0.3044998	0.17942002	3.1133082	21	12 5.6	17.6
22915	1999 TA_{40}	13.6	X	211.22673	126.94955	126.95375	11.49738	0.0518626	0.19078768	2.9883801	21	—	—
22916	1999 TX_{40}	14.8	X	110.78101	273.54565	23.75989	13.16062	0.1595146	0.23360327	2.6110595	21	12 28.7	19.2
22917	1999 TA_{77}	15.3	X	200.72931	234.31892	329.86216	1.17161	0.1809118	0.27304998	2.3531049	21	12 1.6	18.9
22918	1999 TZ_{80}	15.0	X	114.73803	188.84484	171.65213	4.85243	0.1107807	0.23958749	2.5673985	21	—	—
22919	Shuwan	15.1	X	187.89287	317.70942	141.14299	7.22209	0.1031295	0.25995954	2.4314511	21	7 7.9	18.7
22920	Kaitduncan	14.2	X	81.45122	309.88328	103.12210	3.07277	0.0964420	0.19565188	2.9386421	21	1 8.9	17.8
22921	Siyuanliu	15.3	X	145.02005	223.83041	114.61662	7.64723	0.1330938	0.28686454	2.2769394	21	—	—
22922	Sophiecai	15.3	X	12.08942	268.24162	94.24517	7.67094	0.1276818	0.27234619	2.3571570	21	11 30.9	17.9
22923	Kathrynblair	15.6	X	276.02290	214.77931	92.67108	5.34855	0.1687146	0.30038196	2.2081072	21	3 18.1	18.7
22924	Deshpande	13.9	X	216.56713	310.47349	129.02928	9.92829	0.1769926	0.21371438	2.7706407	21	7 8.5	18.4
22925	1999 TH_{104}	15.0	X	121.28113	14.44925	313.81658	3.63854	0.2326084	0.23736926	2.5833688	21	—	—
22926	1999 TK_{106}	14.0	X	242.47806	261.41927	230.68065	12.47028	0.1400407	0.22924993	2.6440109	21	10 13.6	17.7
22927	Blewett	14.9	X	54.93435	253.90516	306.00113	4.51311	0.1615877	0.25919789	2.4362120	21	6 17.9	17.4
22928	Templehe	15.0	X	142.00457	352.98879	203.42074	1.62214	0.1396315	0.26649534	2.3915326	21	9 27.6	18.6
22929	Seanwahl	15.0	X	177.09557	134.11538	184.13820	4.95995	0.0367883	0.24238625	2.5475970	21	—	—
22930	1999 TN_{128}	15.6	X	317.73213	318.94454	355.38673	6.24649	0.2161514	0.30499845	2.1857692	21	5 10.2	17.7
22931	1999 TB_{132}	13.7	X	220.91185	172.17546	348.22581	1.92366	0.1406308	0.18256985	3.0773957	21	10 21.2	18.5
22932	Orenbrecher	15.5	X	188.52546	184.70960	324.21823	1.56959	0.0462145	0.22035727	2.7146747	21	9 13.5	19.2
22933	Mareverett	15.3	X	334.63118	328.49168	108.41594	0.22915	0.1433225	0.22983515	2.6395208	21	12 29.4	18.0
22934	1999 TN_{155}	14.2	X	302.15675	275.52766	111.98087	2.47049	0.1864561	0.17283190	3.1919307	21	8 9.6	18.2
22935	1999 TO_{155}	14.0	X	264.17157	291.05912	129.87754	2.85224	0.1792681	0.17051736	3.2207497	21	8 2.3	18.8
22936	Ricmccutchen	14.4	X	217.22265	62.37105	293.48083	5.19947	0.0894655	0.20576355	2.8415617	21	3 28.7	18.8
22937	Nataliavella	15.3	X	344.09838	249.89555	94.12893	3.96091	0.0743136	0.26449658	2.4035658	21	9 10.7	17.9
22938	Brilawrence	15.0	X	280.45859	298.90912	125.06594	2.68802	0.1595271	0.17243797	3.1967901	21	8 29.9	19.3
22939	Handlin	14.9	X	31.53418	3.59319	111.92211	3.21568	0.0619570	0.19449838	2.9502493	21	1 13.5	18.7
22940	Chyan	15.4	X	70.70603	199.02716	74.79708	3.64415	0.1545486	0.26777096	2.3839313	21	10 25.7	18.5
22941	1999 TG_{194}	15.1	X	17.14661	331.45309	339.03897	7.69966	0.2414744	0.26690014	2.3891138	21	10 7.1	17.2
22942	Alexacourtis	14.5	X	45.86838	299.55127	358.39919	4.16975	0.1021562	0.22046931	2.7137549	21	10 9.1	18.0
22943	1999 TV_{209}	14.4	X	168.57961	352.84228	150.68844	5.88080	0.0819481	0.16911054	3.2385873	21	8 11.7	19.4
22944	Sarahmarzen	15.5	X	267.82275	85.80876	153.23908	3.72658	0.0918743	0.28810990	2.2703733	21	—	—
22945	Schikowski	14.9	X	206.59583	86.51957	171.60399	6.10430	0.0669473	0.28260026	2.2997874	21	—	—
22946	1999 TH_{218}	14.3	X	253.58340	276.76446	201.10416	10.05684	0.1562118	0.17553885	3.1590309	21	10 2.1	19.0
22947	Carolsuh	15.1	X	149.62684	344.67160	199.00985	1.83807	0.1387047	0.26522348	2.3991721	21	9 18.5	18.7
22948	Maidanak	15.0	X	73.28376	143.42797	182.77642	14.52090	0.1273759	0.22991680	2.6388958	21	12 23.2	19.1
22949	1999 TH_{238}	15.4	X	297.11397	188.08478	116.22868	4.87534	0.1993491	0.30247564	2.1979060	21	4 2.9	18.2
22950	1999 TO_{241}	15.4	X	216.42024	197.02164	93.27086	7.25142	0.1173040	0.28877334	2.2668946	21	—	—
22951	Okabekazuko	13.5	X	358.18687	274.47360	74.84692	13.69344	0.1010645	0.17536909	3.1610693	21	10 6.6	17.7
22952	Hommasachi	14.5	X	171.57040	147.44927	174.13133	13.11876	0.2754463	0.24225405	2.5485237	21	1 9.5	19.0
22953	1999 TW_{245}	15.1	X	243.08391	295.08283	162.95073	9.54329	0.0791847	0.21893434	2.7264244	21	9 10.2	18.9
22954	1999 TU_{248}	14.5	X	305.11005	186.09377	145.38874	6.19891	0.1026239	0.21169581	2.7882254	21	6 12.6	18.2
22955	1999 TH_{251}	13.0	X	299.77171	74.48451	309.01801	21.67743	0.1181290	0.21291123	2.7776040	21	8 10.0	16.5
22956	1999 TK_{253}	15.4	X	335.79900	177.44453	114.40218	5.26729	0.1718870	0.30407119	2.1902106	21	5 22.2	17.1
22957	Vaintrob	15.9	X	236.23748	310.65091	306.81251	5.19247	0.1072442	0.28777513	2.2721337	21	—	—
22958	Rohatgi	14.5	X	169.44805	201.46846	85.61010	3.20169	0.0635467	0.19061212	2.9902148	21	—	—
22959	1999 UY_1	14.2	X	162.61675	121.90117	217.84923	7.58570	0.1080260	0.28622260	2.2803426	21	—	—
22960	1999 UE_4	14.5	X	114.40203	290.90839	39.09063	4.39834	0.1611584	0.28069448	2.3101852	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
22961 1999 UM_{14}	14.8	X	211.11555	73.40716	114.52463	3.12844	0.1405683	0.27253911	2.3560445	21	11 27.2	18.0
22962 1999 UH_{15}	14.6	X	301.45461	318.65810	129.86349	3.06966	0.0365150	0.18106240	3.0944528	21	11 14.8	18.7
22963 1999 UN_{24}	15.0	X	113.25083	18.22157	329.97350	4.21235	0.1688260	0.28300018	2.2976202	21	—	—
22964 1999 UV_{28}	14.7	X	119.97720	9.16654	143.12517	1.72477	0.0837504	0.25806558	2.4433330	21	7 1.0	18.0
22965 1999 UX_{40}	13.9	X	137.81991	262.01958	347.94759	4.68937	0.1357397	0.18196032	3.0842644	21	11 17.8	18.9
22966 1999 UM_{45}	15.0	X	354.81464	306.20340	6.41644	6.91833	0.1251699	0.26342215	2.4100970	21	8 14.5	17.2
22967 1999 VK_{4}	14.7	X	242.77708	179.53595	183.92509	8.43247	0.2369060	0.21106692	2.7937611	21	4 26.5	19.3
22968 1999 VB_{5}	14.5	X	130.43418	343.44623	42.74194	2.49423	0.1023791	0.19682918	2.9269124	21	2 8.6	18.6
22969 1999 VD_{6}	14.2	X	358.46139	305.04069	104.31610	2.02631	0.1647294	0.18054077	3.1004104	21	12 21.5	17.9
22970 1999 VT_{8}	13.9	X	342.75749	263.86957	128.08542	14.87874	0.2413633	0.17688275	3.1430098	21	11 7.6	17.3
22971 1999 VY_{8}	14.3	X	291.50039	283.87107	91.02475	10.21263	0.2275961	0.26335238	2.4105226	21	7 1.1	17.1
22972 1999 VR_{12}	12.4	X	110.42034	263.87224	77.03942	10.80681	0.0995123	0.18757527	3.0224027	21	—	—
22973 1999 VW_{16}	14.6	X	333.76210	87.67602	288.39259	1.93151	0.1087364	0.22225772	2.6991777	21	9 29.8	17.6
22974 1999 VN_{21}	14.2	X	16.53503	6.21125	48.23688	5.81311	0.1610310	0.23067328	2.6331233	21	—	—
22975 1999 VR_{23}	14.4	X	275.56350	276.66113	71.15115	6.69521	0.2060294	0.25761182	2.4462013	21	5 8.3	17.8
22976 1999 VY_{23}	13.8	X	170.71645	235.85328	53.04398	7.01304	0.0689792	0.23339830	2.6125880	21	—	—
22977 1999 VF_{24}	13.3	X	127.68616	98.93999	274.55441	12.81586	0.1317249	0.24305793	2.5429014	21	1 13.4	16.7
22978 Nyrölä	13.3	X	346.30675	167.96269	228.59484	11.28508	0.1842671	0.22539524	2.6740707	21	11 26.8	15.8
22979 1999 VG_{25}	14.1	X	317.46617	42.68310	34.82368	3.93903	0.0704697	0.26869782	2.3784460	21	12 8.9	16.7
22980 1999 VL_{27}	14.9	X	288.09634	23.95085	341.68348	3.58902	0.1642125	0.26131495	2.4230361	21	6 23.5	17.9
22981 Katz	14.6	X	229.38286	24.57973	235.43362	3.32592	0.1801642	0.28310750	2.2970395	21	—	—
22982 Emmacall	14.2	X	151.01363	342.63942	48.86096	2.84125	0.0157645	0.19754740	2.9198139	21	2 28.8	18.2
22983 Schlingheyde	14.6	X	177.18900	64.28501	271.51779	0.76153	0.0947686	0.19452607	2.9499694	21	1 27.5	19.0
22984 1999 VP_{36}	13.3	X	231.17477	64.00555	82.79643	2.11740	0.1200893	0.17530280	3.1618662	21	10 18.5	18.0
22985 1999 VY_{48}	14.4	X	185.01199	62.79281	251.68589	12.50997	0.1777842	0.24241460	2.5473983	21	1 5.5	18.6
22986 1999 VX_{50}	14.4	X	281.50525	271.32944	145.24738	1.15022	0.1926935	0.17056450	3.2201563	21	8 16.1	18.7
22987 Rebeckaufman	14.7	X	202.57328	310.92223	25.52559	2.16012	0.0745436	0.20095875	2.8866764	21	2 22.3	19.1
22988 Jimmyhom	15.3	X	120.34975	16.90401	211.48074	1.62004	0.1509684	0.26500271	2.4005044	21	10 17.7	18.9
22989 Loriskopp	14.4	X	188.26007	155.85785	240.65454	2.03662	0.1611831	0.20546815	2.8442846	21	4 21.1	19.0
22990 Mattbrenner	14.7	X	277.98947	306.32758	226.08286	1.18597	0.1251471	0.23203344	2.6228231	21	—	—
22991 Jeffreyklus	15.3	X	91.26718	304.54613	64.94088	2.24101	0.1275184	0.28112743	2.3078128	21	—	—
22992 Susansmith	14.6	X	235.78499	129.09700	99.86639	0.94851	0.0077775	0.18925085	3.0045365	21	—	—
22993 Aferrari	15.0	X	89.88421	220.91207	135.72310	1.15912	0.1455275	0.23392125	2.6086927	21	—	—
22994 Workman	14.5	X	173.43917	277.51123	70.30877	3.00641	0.1073413	0.19747758	2.9205020	21	2 8.5	18.9
22995 Allenjanes	14.7	X	35.50390	37.00526	215.81273	4.37191	0.0813107	0.21237146	2.7823085	21	7 19.6	18.2
22996 De Boo	14.9	X	218.26687	103.57582	217.41280	1.27501	0.0575585	0.19923703	2.9032829	21	2 19.3	19.2
22997 1999 VT_{70}	13.5	X	175.89775	268.53928	226.81008	15.40634	0.0280791	0.16861460	3.2449345	21	8 4.1	18.5
22998 Waltimyer	14.5	X	226.91945	39.75939	89.95699	2.54159	0.1308716	0.17361406	3.1823366	21	9 22.6	19.4
22999 Irizarry	14.5	X	328.45810	247.00645	200.11376	2.84147	0.0972162	0.23023503	2.6364636	21	12 30.3	17.5
23000 1999 VU_{87}	13.7	X	199.88506	208.95455	107.46185	13.92528	0.0490497	0.19627338	2.9324353	21	1 26.8	18.0
23001 1999 VS_{89}	13.7	X	184.18947	79.31163	51.46089	5.78162	0.0841865	0.16915603	3.2380066	21	8 15.1	18.7
23002 Jillhirsch	15.2	X	83.11931	204.84146	26.00093	6.52253	0.0552708	0.26429881	2.4047646	21	8 30.9	18.3
23003 Ziminski	15.3	X	145.54777	31.68365	222.70292	1.85090	0.1737659	0.27205657	2.3588296	21	12 13.3	18.9
23004 1999 VH_{114}	14.2	X	254.22892	357.87348	5.00133	17.94786	0.1499194	0.21153851	2.7896074	21	5 5.9	18.8
23005 1999 VJ_{114}	13.3	X	56.49366	99.88416	354.04887	12.81950	0.1290715	0.24079904	2.5587796	21	1 17.8	16.2
23006 Pazden	14.7	X	89.31131	307.18472	154.31257	2.13451	0.0239308	0.20009145	2.8950120	21	3 11.0	18.6
23007 1999 VC_{145}	15.2	X	295.11220	303.02545	319.38479	3.74510	0.1345687	0.29323266	2.2438535	21	2 9.9	18.1
23008 Rebeccajohns	14.5	X	146.36590	179.03027	159.12907	2.32138	0.0640116	0.19140577	2.9819432	21	—	—
23009 1999 VL_{149}	13.6	X	76.86068	121.16721	225.32039	10.23522	0.0635297	0.18359325	3.0659489	21	—	—
23010 Kathyfinch	15.5	X	229.46446	248.72470	16.43030	4.70013	0.1370011	0.28593237	2.2818854	21	—	—
23011 Petach	15.2	X	172.91817	160.73086	35.15514	5.54559	0.1693340	0.26812694	2.3818208	21	10 26.4	18.8
23012 1999 VM_{166}	14.1	X	59.26464	239.33848	33.71553	6.13254	0.1226670	0.17300979	3.1897424	21	9 25.3	18.4
23013 Carolsmyth	14.9	X	109.70736	263.87817	344.12975	3.10177	0.1791062	0.26542201	2.3979756	21	11 1.9	18.8
23014 Walstein	14.7	X	169.23144	141.75565	178.60756	3.72365	0.1792076	0.23912100	2.5707365	21	—	—
23015 1999 VQ_{179}	14.0	X	230.74425	85.12200	151.18921	12.27166	0.0734624	0.18956712	3.0011938	21	—	—
23016 Michaelroche	14.8	X	253.81083	69.19781	92.58859	4.55523	0.0292398	0.22931203	2.6435335	21	12 23.8	18.1
23017 Advincula	14.4	X	259.68434	125.37334	172.76795	3.45016	0.1360168	0.24671179	2.5177317	21	2 23.5	18.3
23018 Annmoriarty	14.8	X	16.84944	215.96604	90.72169	3.87592	0.1979510	0.26186469	2.4196437	21	9 28.1	16.9
23019 Thomgregory	15.2	X	339.00327	22.47505	355.91188	5.82319	0.0516904	0.22167596	2.7038981	21	10 11.7	18.6
23020 1999 WY_{2}	14.6	X	20.79228	157.88681	150.53254	1.45726	0.2198042	0.26438094	2.4042666	21	10 10.9	16.8
23021 1999 WR_{3}	14.0	X	321.38411	258.02550	112.17398	3.19182	0.1252344	0.21630842	2.7484453	21	8 30.8	17.1
23022 1999 WJ_{4}	14.1	X	181.05513	68.22831	355.82877	1.53306	0.0485666	0.20476363	2.8508049	21	5 16.4	18.1
23023 1999 WA_{7}	14.0	X	357.30191	79.87021	141.66591	2.79142	0.0139966	0.20166824	2.8799020	21	4 12.3	17.9
23024 1999 WM_{7}	14.4	X	127.63544	303.52991	47.33715	2.47756	0.1396392	0.19059824	2.9903599	21	—	—
23025 1999 WR_{9}	12.6	X	64.30262	262.06978	283.59789	6.88995	0.0894655	0.15597862	3.4178998	21	6 5.2	17.2
23026 1999 WV_{9}	12.5	X	94.46336	329.42737	78.94040	11.20975	0.0983044	0.19013994	2.9951631	21	1 24.1	16.6
23027 1999 WV_{17}	13.5	X	323.96919	200.48544	214.63291	14.08223	0.2007777	0.22507415	2.6766133	21	11 5.4	15.7
23028 1999 XV_{3}	13.6	X	226.98810	235.30559	133.85856	3.63618	0.0239095	0.15963351	3.3655290	21	5 6.8	18.4
23029 1999 XF_{4}	14.6	X	357.13214	337.62693	173.10495	1.59877	0.1241908	0.19234549	2.9722230	21	1 3.1	18.3
23030 Jimkennedy	12.7	X	109.59729	11.92191	53.43185	16.03832	0.1273894	0.19345241	2.9608742	21	3 15.9	17.1
23031 1999 XX_{7}	15.1	X	108.97780	49.44299	286.94470	4.74347	0.2204633	0.28357566	2.2945106	21	—	—
23032 Fossey	14.6	X	306.80282	275.64352	103.46698	7.17759	0.0721008	0.21545183	2.7557253	21	8 26.5	18.1
23033 1999 XU_{10}	13.3	X	191.92845	202.69401	13.96222	11.87170	0.1313683	0.18225015	3.0809935	21	11 26.7	18.3
23034 1999 XJ_{15}	14.7	X	315.78304	313.25410	359.34627	2.40841	0.1975852	0.25634154	2.4542759	21	5 13.8	17.5
23035 1999 XS_{17}	14.6	X	98.95478	29.68784	39.21167	6.36192	0.2733082	0.24448318	2.5330090	21	3 14.9	17.8
23036 1999 XF_{18}	14.5	X	40.61284	271.44223	19.27849	3.12412	0.1460911	0.31407072	2.1434717	21	10 12.7	16.7
23037 1999 XM_{18}	14.7	X	253.53569	307.85209	67.63774	3.32345	0.2137346	0.25896454	2.4376753	21	5 19.4	18.3
23038 Jeffbaughman	14.7	X	94.01184	282.06318	42.33638	6.97551	0.1977813	0.27975925	2.3153310	21	—	—
23039 1999 XP_{20}	13.5	X	342.40234	140.22506	181.62936	3.80094	0.0937760	0.21655038	2.7463976	21	7 29.4	16.7
23040 Latham	14.8	X	46.65637	142.71857	111.81306	3.38759	0.0096351	0.21410743	2.7672489	21	7 31.2	18.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
23041 Hunt	14.4	X	94.12513	311.98451	93.83028	3.97367	0.0875234	0.19393233	2.9559873	21	1 16.8	18.2
23042 Craigpeters	14.0	X	205.75155	98.20149	105.06685	2.85659	0.0434767	0.18295101	3.0731199	21	12 5.7	18.4
23043 1999 XN_{25}	14.5	X	290.05865	317.58767	125.56892	1.69435	0.2045466	0.17535159	3.1612796	21	9 30.6	18.5
23044 Starodub	14.3	X	228.28384	201.21921	89.94175	4.58430	0.1906006	0.28873221	2.2671098	21	1 9.9	17.9
23045 Sarahocken	14.2	X	123.56614	304.84685	156.82602	2.33702	0.0102623	0.20383667	2.8594412	21	4 22.2	18.1
23046 Stevengordon	14.3	X	73.92661	44.06385	124.78540	3.05111	0.0598232	0.20465673	2.8517976	21	5 21.9	18.1
23047 Isseroff	14.4	X	349.89965	264.19472	87.59577	6.07148	0.0081657	0.21775489	2.7362605	21	9 25.6	18.1
23048 Davidnelson	14.6	X	37.81238	232.78343	110.69915	4.77037	0.1122474	0.22435771	2.6823084	21	11 30.1	18.1
23049 1999 XT_{30}	14.3	X	345.11265	236.84857	116.22743	10.27635	0.1694562	0.21777417	2.7360990	21	9 23.5	17.2
23050 1999 XJ_{36}	14.4	X	163.30342	189.31372	166.91644	2.02803	0.1126245	0.19516693	2.9435081	21	2 7.7	18.8
23051 1999 XF_{37}	13.2	X	122.06408	174.68002	154.23160	15.14488	0.1274150	0.23367525	2.6105233	21	—	—
23052 1999 XK_{37}	13.2	X	346.06535	22.13209	119.65396	15.62771	0.1223877	0.23465514	2.6032508	21	—	—
23053 1999 XD_{42}	13.7	X	51.97237	240.20307	42.98586	7.39148	0.1444578	0.17441626	3.1725713	21	10 2.3	18.0
23054 Thomaslynch	15.1	X	199.28493	340.80067	27.36796	2.24054	0.0825388	0.20282935	2.8689007	21	3 28.7	19.3
23055 Barbjewett	15.1	X	27.33396	25.73057	259.95864	2.50423	0.1664271	0.26242024	2.4162275	21	9 6.8	17.4
23056 1999 XL_{44}	14.0	X	127.00233	155.56619	322.92164	1.12538	0.0388100	0.20600658	2.8393264	21	5 20.9	17.9
23057 Angelawilson	14.8	X	214.28275	25.87888	242.86585	6.81904	0.1747703	0.23784603	2.5799153	21	—	—
23058 1999 XP_{45}	13.5	X	105.92413	66.76793	247.18942	12.29692	0.0900309	0.18405205	3.0608516	21	12 29.7	18.3
23059 Paulpaino	14.7	X	136.04327	325.46287	300.60589	1.91465	0.1935835	0.27315698	2.3524903	21	12 19.3	18.6
23060 Shepherd	14.9	X	288.78847	169.46141	25.07492	1.86212	0.0844162	0.23506295	2.6002390	21	—	—
23061 Blueglass	13.9	X	244.41893	137.95215	19.63058	1.81833	0.1230979	0.17933645	3.1142754	21	11 13.9	18.3
23062 Donnamooney	15.3	X	104.09824	270.21003	347.60666	0.87894	0.1462501	0.26619756	2.3933157	21	11 7.5	18.8
23063 Lichtman	14.9	X	345.38268	207.25522	80.45467	3.85415	0.0639937	0.20944038	2.8082069	21	6 18.5	18.3
23064 Mattmiller	14.3	X	58.83497	299.39192	103.97306	3.04058	0.1327827	0.18797549	3.0181112	21	—	—
23065 1999 XF_{54}	13.8	X	123.65348	114.31562	160.93652	1.99551	0.1477774	0.18056680	3.1001124	21	12 6.1	18.7
23066 Yihedong	15.1	X	303.66392	148.07253	162.07522	2.31733	0.0614996	0.20729029	2.8275920	21	5 18.9	18.7
23067 Ishajain	14.1	X	209.15571	16.71025	174.15036	0.75627	0.1181075	0.17847314	3.1243101	21	11 16.8	18.8
23068 Tyagi	14.7	X	236.65751	102.29586	206.05631	2.34285	0.1542291	0.24479284	2.5308723	21	2 12.7	18.8
23069 Kapps	14.2	X	35.85517	261.14764	93.97758	1.97360	0.0434036	0.17831593	3.1261462	21	11 23.3	18.3
23070 Koussa	13.9	X	248.57977	76.43747	74.95646	5.96640	0.1190864	0.17791679	3.1308199	21	11 12.9	18.3
23071 Tinaliu	14.9	X	181.65449	234.04353	151.40177	2.56117	0.0864709	0.20083389	2.8878727	21	4 1.2	19.2
23072 1999 XS_{71}	13.0	X	312.28420	294.84150	90.46622	6.71697	0.1533971	0.17075854	3.2177164	21	8 30.3	17.0
23073 1999 XT_{75}	13.3	X	218.06245	166.32064	89.12997	6.99617	0.2306536	0.18554564	3.0444035	21	—	—
23074 Sarakirsch	14.8	X	200.19109	171.77112	75.36276	7.37249	0.1217572	0.27566913	2.3381765	21	—	—
23075 1999 XV_{83}	11.0	X	317.39954	320.18600	104.27558	14.43290	0.1725379	0.08310573	5.2005434	21	10 16.6	17.4
23076 1999 XP_{93}	12.6	X	33.56327	258.14268	101.02946	17.76126	0.0789945	0.17422035	3.1749493	21	12 2.1	17.0
23077 1999 XZ_{93}	13.5	X	70.35062	281.37896	104.87983	15.73908	0.1501938	0.22917815	2.6445630	21	—	—
23078 1999 XB_{95}	12.7	X	27.23642	290.16369	87.91321	18.54563	0.1692581	0.17408153	3.1766369	21	12 25.2	16.7
23079 Munguia	14.9	X	334.63768	6.75779	324.50013	1.82344	0.1845130	0.25987758	2.4319623	21	7 25.1	16.6
23080 1999 XH_{100}	13.0	X	191.75467	169.88851	81.68255	12.85330	0.1670746	0.22647353	2.6655761	21	—	—
23081 1999 XQ_{105}	14.3	X	132.85981	176.80479	87.20842	15.23666	0.1492813	0.22369445	2.6876079	21	12 7.8	18.6
23082 1999 XK_{107}	14.6	X	257.49675	174.50813	250.39052	1.79063	0.0403327	0.21682453	2.7440822	21	8 20.3	18.3
23083 1999 XU_{110}	14.4	X	138.83001	255.82633	262.07262	6.36552	0.0491223	0.25819606	2.4425097	21	7 27.5	17.7
23084 1999 XU_{113}	14.5	X	67.06928	64.38935	288.32909	13.22398	0.1557347	0.23093644	2.6311225	21	—	—
23085 1999 XM_{116}	14.5	X	238.93457	70.73560	5.50777	5.57177	0.0386364	0.21528081	2.7571846	21	8 14.2	18.3
23086 1999 XB_{118}	14.6	X	138.22889	176.75771	1.06858	3.42715	0.0585744	0.21426822	2.7658643	21	8 23.9	18.7
23087 1999 XL_{118}	14.4	X	308.35669	253.49745	254.34284	10.46233	0.0888538	0.18645969	3.0344460	21	—	—
23088 1999 XR_{118}	14.8	X	71.03781	340.94050	286.32372	3.01154	0.1769151	0.26486503	2.4013362	21	10 17.2	18.1
23089 1999 XC_{119}	15.1	X	169.41411	104.40106	304.64911	0.97378	0.1024384	0.20299100	2.8673774	21	4 16.8	19.3
23090 1999 XX_{121}	13.3	X	94.52819	132.52983	260.77678	12.15827	0.1786800	0.23859484	2.5745145	21	1 1.6	16.2
23091 Stansill	14.5	X	65.37730	239.92475	46.46107	4.50894	0.1389043	0.21932343	2.7231989	21	10 26.3	18.2
23092 1999 XT_{136}	14.0	X	314.10954	294.74177	92.85966	10.59821	0.1842381	0.21894824	2.7263090	21	9 9.4	17.0
23093 1999 XW_{136}	14.4	X	109.19937	231.37128	89.65982	9.12400	0.2493620	0.27755471	2.3275748	21	—	—
23094 1999 XF_{143}	13.5	X	62.04363	210.52313	133.53951	10.86693	0.1862639	0.22794087	2.6541242	21	—	—
23095 1999 XP_{144}	13.5	X	178.92170	254.41182	311.38806	3.92008	0.1279021	0.17552179	3.1592356	21	11 2.8	18.5
23096 Mihika	15.0	X	314.03237	154.09444	113.47945	5.15929	0.1251627	0.29203340	2.2499923	21	3 17.9	17.6
23097 1999 XF_{157}	14.0	X	108.40470	232.48613	128.27381	4.97687	0.0949530	0.23297277	2.6157683	21	—	—
23098 Huanghuang	14.7	X	8.10609	128.52697	196.26966	3.68133	0.1006051	0.21660093	2.7459703	21	9 16.5	17.8
23099 1999 XA_{160}	11.8	X	292.74476	11.65610	100.56037	21.02021	0.1140942	0.17712656	3.1401249	21	11 27.8	16.1
23100 1999 XN_{164}	13.0	X	358.27468	246.29018	97.96521	10.04758	0.1702776	0.21361226	2.7715237	21	10 8.3	16.0
23101 1999 XP_{164}	12.3	X	277.73193	173.41164	101.37724	15.38253	0.1242371	0.19078834	2.9883731	21	2 28.1	16.9
23102 Dayanli	13.9	X	28.16353	6.91898	304.51606	4.04344	0.0133409	0.21627946	2.7486907	21	9 18.6	17.6
23103 1999 XK_{169}	13.0	X	106.23409	118.32619	285.86661	10.71298	0.1176532	0.19230485	2.9726416	21	2 1.4	17.2
23104 1999 XK_{182}	13.5	X	115.65566	7.08705	291.56533	11.00781	0.1757552	0.22888950	2.6467859	21	—	—
23105 1999 XN_{184}	13.7	X	325.63710	38.66027	335.34231	6.02729	0.1701696	0.17169499	3.2060057	21	9 2.3	17.5
23106 1999 XM_{191}	12.8	X	119.68486	330.93007	288.29463	21.20227	0.0114159	0.17493870	3.1662518	21	10 27.2	17.8
23107 1999 XA_{242}	14.1	X	237.84771	100.50567	356.04198	5.53216	0.1190111	0.16911784	3.2384940	21	8 25.7	18.8
23108 1999 YP_{9}	14.1	X	332.97814	337.48245	2.34453	8.30522	0.1404133	0.25511203	2.4621552	21	8 11.7	16.5
23109 Masayanagisawa	13.9	X	279.74153	313.33784	99.53459	7.64668	0.1484070	0.16990840	3.2284407	21	8 17.7	18.3
23110 Ericberne	14.2	X	295.51402	48.58338	182.53062	5.03354	0.0866813	0.28546356	2.2843831	21	1 6.8	17.2
23111 Fritzperls	14.1	X	316.55268	29.20083	117.99911	6.84453	0.0550936	0.27785164	2.3259162	21	—	—
23112 2000 AG_{3}	14.3	X	253.45971	189.20283	34.05374	9.88419	0.2099328	0.27848485	2.3223892	21	—	—
23113 Aaronhakim	14.3	X	300.97981	302.15218	47.56030	4.86094	0.1145667	0.21119634	2.7926197	21	6 29.2	17.8
23114 2000 AL_{16}	12.0	X	339.69178	354.82643	43.43289	1.95707	0.0538402	0.08332916	5.1912431	21	10 19.2	18.6
23115 Valcourt	14.1	X	349.88941	336.03336	11.41478	5.10216	0.1773384	0.17299556	3.1899172	21	9 14.5	17.4
23116 Streich	14.5	X	314.68417	295.23213	283.64935	6.37006	0.1512934	0.23674084	2.5879383	21	1 15.9	18.1
23117 2000 AC_{25}	13.9	X	224.78797	78.91085	150.69337	0.55145	0.1410800	0.18031620	3.1029841	21	—	—
23118 2000 AU_{27}	12.1	X	317.11413	74.83825	1.45861	3.68728	0.2046675	0.08354968	5.1821047	21	10 18.7	18.2
23119 2000 AP_{33}	11.2	X	9.71607	62.95062	317.46166	18.44335	0.1326234	0.08183091	5.2544160	21	11 1.9	17.8
23120 Paulallen	12.3	X	119.08835	70.12599	292.36668	12.43251	0.2110106	0.23204018	2.6227723	21	1 4.6	15.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
23121 Michaelding	14.3	X	238.71600	114.41085	330.73385	6.38468	0.0572283	0.21724019	2.7405808	21	8 21.5	18.1
23122 Lorgat	14.4	X	68.45328	206.98621	311.05386	3.38848	0.0476806	0.25058976	2.4916890	21	4 20.9	17.4
23123 2000 AU_{57}	11.3	X	309.77107	124.68823	317.70389	8.52805	0.0589297	0.07990203	5.3386424	21	10 26.9	18.2
23124 2000 AW_{82}	14.5	X	196.02537	222.78920	141.37373	5.01766	0.1965368	0.24418585	2.5350647	21	3 18.9	18.6
23125 2000 AK_{94}	13.2	X	191.46763	179.65489	95.25646	10.61720	0.0550037	0.18311867	3.0712438	21	—	—
23126 2000 AK_{95}	11.7	X	54.43500	10.69610	3.35195	1.22636	0.0283988	0.08209546	5.2431217	21	12 17.1	18.6
23127 2000 AV_{97}	14.0	X	248.97393	313.46209	108.70816	4.74770	0.1439119	0.29816845	2.2190219	21	7 25.4	16.6
23128 Dorminy	14.6	X	23.14154	324.32023	146.07257	3.10298	0.0970852	0.28435684	2.2903065	21	—	—
23129 2000 AO_{100}	12.1	X	26.22229	318.96884	67.98929	19.00292	0.0980172	0.18294576	3.0731787	21	12 26.0	16.3
23130 2000 AZ_{106}	13.6	X	335.77638	334.21732	244.60245	11.21181	0.0875158	0.24053761	2.5606333	21	2 16.9	17.0
23131 Debenedictis	14.4	X	233.55613	111.50852	285.47166	2.20017	0.1708700	0.29547755	2.2324739	21	5 29.6	17.6
23132 2000 AT_{131}	13.9	X	190.04436	284.67036	286.84405	4.09603	0.0928882	0.17819190	3.1275967	21	11 22.9	18.6
23133 Rishinbehl	14.8	X	10.96871	206.04355	124.53162	6.90486	0.1459733	0.26744653	2.3858588	21	10 17.8	17.2
23134 2000 AU_{142}	12.7	X	236.71852	153.98112	158.28110	11.17701	0.0682722	0.18944637	3.0024690	21	3 2.2	17.1
23135 2000 AN_{146}	10.0	X	255.36994	254.11473	256.59237	17.35394	0.0502992	0.08159844	5.2643910	21	11 12.4	17.0
23136 2000 AD_{148}	13.7	X	296.82592	165.75293	120.11886	16.32628	0.1157262	0.19661823	2.9290056	21	4 7.9	18.1
23137 2000 AV_{148}	13.4	X	7.82637	267.42218	127.78416	8.84482	0.2038263	0.17989862	3.1077840	21	12 24.1	17.0
23138 2000 AV_{150}	13.7	X	304.66356	162.43045	166.59924	11.13651	0.0692493	0.20371899	2.8605422	21	6 14.1	17.7
23139 2000 AP_{151}	14.8	X	320.67863	287.91190	76.49758	10.55800	0.2187897	0.26668659	2.3903891	21	8 17.6	16.9
23140 2000 AW_{154}	13.5	X	350.57511	281.34053	47.78018	5.24331	0.0939523	0.16944420	3.2343343	21	8 22.9	17.6
23141 2000 AB_{163}	13.0	X	149.54396	174.47161	107.25700	10.92341	0.0552844	0.18221353	3.0814064	21	—	—
23142 2000 AM_{165}	12.4	X	308.09482	190.15591	207.43810	15.53201	0.1333083	0.17142723	3.2093434	21	9 3.9	16.6
23143 2000 AZ_{177}	13.1	X	95.77690	161.46287	165.89056	7.83030	0.2937789	0.22772875	2.6557721	21	—	—
23144 2000 AY_{182}	11.5	X	326.58427	209.81033	230.14000	9.40867	0.0690705	0.08194385	5.2495872	21	11 16.9	18.1
23145 2000 AB_{187}	15.0	X	107.44273	207.77074	125.85569	10.95012	0.1947516	0.27929187	2.3179133	21	—	—
23146 2000 AM_{200}	13.5	X	98.18015	193.24054	123.75217	16.48605	0.1892263	0.18582500	3.0413515	21	—	—
23147 2000 AQ_{228}	14.1	X	38.36479	139.56196	222.25841	4.36505	0.2336056	0.27514342	2.3411539	21	—	—
23148 2000 AR_{242}	13.6	X	166.87767	127.78685	121.74532	9.60943	0.2381560	0.21537633	2.7563692	21	12 16.4	18.5
23149 2000 AF_{244}	14.4	X	75.21497	177.71556	170.03221	12.04450	0.2389592	0.23258446	2.6186789	21	—	—
23150 2000 AG_{244}	13.5	X	330.53370	309.93409	111.10576	23.03757	0.1163918	0.17888090	3.1195605	21	11 24.6	17.7
23151 Georgehotz	14.3	X	183.59946	92.23382	340.70776	1.33369	0.0379942	0.19964834	2.8992939	21	5 31.1	18.5
23152 2000 CS_{8}	11.9	X	330.60443	293.42175	129.33294	11.43068	0.1513697	0.08276646	5.2147456	21	11 2.7	18.2
23153 Andrewnowell	13.9	X	340.44613	339.44425	298.42157	5.64723	0.1621987	0.28870523	2.2672511	21	5 7.5	15.9
23154 2000 CL_{58}	14.1	X	336.45229	11.38658	132.59185	14.01067	0.1220380	0.22357332	2.6885786	21	—	—
23155 Judithblack	14.2	X	214.44357	225.28157	116.25560	6.91997	0.1802258	0.28257040	2.2999494	21	3 3.8	17.9
23156 2000 DM_{3}	15.4	X	302.80661	322.44121	110.79178	5.16482	0.1155077	0.30432241	2.1890050	21	11 16.3	17.2
23157 2000 DH_{19}	13.7	X	98.26701	175.23306	167.26145	0.79169	0.1646247	0.17731347	3.1379178	21	—	—
23158 Bouligny	14.3	X	296.47150	281.03797	101.97931	6.56675	0.1318774	0.25314883	2.4748684	21	8 8.2	17.0
23159 2000 EB_{58}	13.7	X	239.63338	54.45931	251.71524	0.41466	0.0637264	0.18515311	3.0487048	21	2 26.5	18.1
23160 2000 EN_{201}	12.9	X	351.36866	86.12770	19.08271	22.35820	0.0454351	0.23023276	2.6364810	21	—	—
23161 2000 FS_{3}	13.3	X	178.36419	327.90754	76.77670	11.15231	0.1093619	0.19252272	2.9703986	21	4 26.1	18.0
23162 Alexcrook	14.9	X	200.08781	284.60405	251.21984	1.81630	0.1318391	0.25551312	2.4595779	21	10 28.2	18.5
23163 2000 FG_{49}	15.1	X	201.65187	59.05349	253.53511	1.48943	0.2339191	0.26945120	2.3740105	21	1 17.2	19.0
23164 Badger	14.6	X	59.64626	30.93870	297.92979	1.16732	0.1072293	0.20685539	2.8315538	21	12 4.3	18.4
23165 Kakinchan	15.0	X	277.24643	153.34930	126.96958	2.09749	0.1338002	0.22826840	2.6515848	21	2 23.4	18.9
23166 Bilal	13.8	X	337.82485	8.31507	50.69355	7.95388	0.1186034	0.21191312	2.7863189	21	12 3.3	16.8
23167 2000 GL_{124}	13.2	X	135.81920	241.65484	110.25489	9.12944	0.2249819	0.21743317	2.7389589	21	1 14.5	17.3
23168 Lauriefletch	14.6	X	299.46235	35.79559	108.75668	7.59421	0.1001796	0.26201704	2.4187057	21	—	—
23169 Michikami	15.9	X	313.64786	104.89001	307.73204	1.62219	0.0754703	0.29949677	2.2124559	21	11 2.7	17.8
23170 2000 GZ_{178}	14.7	X	143.84180	313.14999	137.16945	14.31006	0.1436487	0.23571935	2.5954095	21	5 18.3	18.9
23171 2000 HF_{10}	13.6	X	111.94414	126.25739	190.12543	3.82186	0.0984900	0.21115487	2.7929853	21	—	—
23172 Williamartin	15.6	X	19.49081	349.35588	247.53533	0.27093	0.0382846	0.28369028	2.2938926	21	5 27.5	17.8
23173 Hideaki	14.3	X	308.93689	102.45567	49.22188	12.81099	0.0595700	0.21831111	2.7316109	21	—	—
23174 2000 HM_{40}	11.7	X	105.01592	225.96851	164.15526	15.75456	0.2560712	0.12558217	3.9492752	21	2 13.6	17.6
23175 2000 HL_{87}	14.1	X	62.27522	304.27183	46.93906	7.18866	0.1255165	0.25864421	2.4396875	21	—	—
23176 Missacarvell	14.4	X	44.01093	5.79238	77.72605	2.32968	0.0629194	0.22007223	2.7170182	21	—	—
23177 2000 JD_{58}	13.6	X	278.54243	173.15471	103.70129	7.18888	0.0999364	0.27291064	2.3539058	21	2 19.4	16.8
23178 Ghaben	15.8	X	131.53427	278.72584	255.87654	3.18761	0.0853127	0.28910087	2.2651821	21	8 15.3	18.8
23179 Niedermeyer	14.4	X	312.02089	183.90791	231.41397	3.75782	0.1325021	0.29501777	2.2347928	21	10 31.5	16.2
23180 Ryosuke	14.4	X	342.81726	127.01305	188.16867	10.33188	0.1040858	0.28069336	2.3101914	21	7 20.5	16.9
23181 2000 LP_{20}	14.8	X	37.17094	116.31207	251.29427	9.00367	0.2044582	0.29310645	2.2444975	21	—	—
23182 Siyaxuza	14.9	X	41.89168	226.19483	118.29079	6.69595	0.0616450	0.24598957	2.5226573	21	12 3.9	18.1
23183 2000 OY_{21}	16.0	X	119.00430	301.46764	119.65607	40.97469	0.4008095	0.40009281	1.8240170	21	4 12.5	19.5
23184 2000 OD_{36}	14.1	X	251.58030	121.89373	152.77268	21.82117	0.2067780	0.26308609	2.4121490	21	1 12.3	18.4
23185 2000 PQ_{7}	13.4	X	351.07386	290.20042	108.35494	14.78963	0.2100745	0.19043595	2.9920585	21	12 3.8	16.6
23186 2000 PO_{8}	11.5	X	6.57360	102.12611	98.23432	13.07203	0.1247128	0.12303227	4.0036553	21	4 10.8	16.7
23187 2000 PN_{9}	16.0	X	56.20870	293.55911	164.30684	51.33306	0.5893324	0.39269325	1.8468591	21	—	—
23188 2000 PJ_{20}	13.3	X	352.93126	23.48383	138.66774	19.70106	0.2257504	0.21349305	2.7725554	21	—	—
23189 2000 PT_{23}	13.9	X	208.03932	263.76882	85.96606	2.33826	0.1483825	0.17152878	3.2080766	21	3 18.5	19.0
23190 Klages–Mundt	14.9	X	24.98836	271.27054	141.79557	4.11032	0.1373149	0.24620153	2.5212092	21	—	—
23191 Sujaytyle	14.2	X	347.98057	104.78205	340.95561	1.48853	0.1918988	0.19960020	2.8997601	21	—	—
23192 Caysvesterby	13.7	X	239.41880	177.14275	321.10587	8.75131	0.0222793	0.19072845	2.9889987	21	10 27.2	18.1
23193 2000 QK_{181}	14.2	X	154.47308	123.14162	288.08572	4.27556	0.2227693	0.25686598	2.4509343	21	4 6.8	18.1
23194 2000 RF_{1}	14.7	X	183.45108	145.56290	176.27258	6.10484	0.2147688	0.30502139	2.1856596	21	1 6.6	18.0
23195 2000 RA_{58}	13.7	X	136.30044	280.74248	217.09433	6.66315	0.0934069	0.17500710	3.1654267	21	7 1.8	18.6
23196 2000 RY_{59}	13.4	X	93.26383	0.16423	177.68422	14.89424	0.1645740	0.17711575	3.1402527	21	7 11.6	18.3
23197 Danielcook	14.4	X	248.44223	104.06606	196.61594	2.29175	0.1850359	0.25668175	2.4521068	21	2 11.2	18.4
23198 Norvell	14.2	X	180.37421	227.80937	71.88874	3.06909	0.0543557	0.20475103	2.8509218	21	—	—
23199 Bezdek	14.3	X	258.16167	159.50543	289.44594	5.44683	0.0406318	0.18539875	3.0460114	21	9 16.9	18.6
23200 2000 SH_{3}	13.2	X	242.93814	354.10514	31.46141	25.59788	0.2330012	0.27120598	2.3637591	21	5 13.3	17.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
23201 2000 SJ_{42}	14.4	X	350.68432	239.47738	214.54480	4.97183	0.1516496	0.29178883	2.2512494	21	—	—
23202 2000 SU_{49}	13.8	X	252.28162	14.27998	283.18500	9.79175	0.0947036	0.16849971	3.2464093	21	2 25.1	18.8
23203 2000 SU_{161}	13.6	X	153.71371	6.41086	128.76499	15.23219	0.1217664	0.22547950	2.6734045	21	7 19.5	17.7
23204 Arditkroni	14.6	X	60.76683	256.29645	57.73257	7.20099	0.1361082	0.27765843	2.3269951	21	12 3.2	17.5
23205 2000 SL_{222}	13.7	X	282.34791	249.54995	140.08768	13.43182	0.1669637	0.22606461	2.6687895	21	7 18.0	17.2
23206 2000 SL_{225}	13.9	X	187.77193	274.95198	157.79434	9.12790	0.1082116	0.21911030	2.7249645	21	6 5.7	18.2
23207 2000 SL_{279}	14.2	X	266.69550	46.30161	349.63242	2.98519	0.2269534	0.17649959	3.1475568	21	6 28.9	18.9
23208 2000 SO_{279}	13.8	X	313.89621	301.28936	94.01711	11.01588	0.0709773	0.18547144	3.0452155	21	9 28.6	17.9
23209 2000 SX_{279}	13.8	X	30.99482	330.09395	129.43848	16.83873	0.1931117	0.20029676	2.8930333	21	—	—
23210 2000 SA_{293}	14.0	X	61.61289	309.70522	343.90682	13.08782	0.0929170	0.18616016	3.0377000	21	10 13.8	18.3
23211 2000 SC_{311}	14.8	X	358.27544	334.04558	296.35365	14.24309	0.1067259	0.22371183	2.6874687	21	6 13.9	18.0
23212 Arkajitdey	14.6	X	96.17373	207.44460	188.84713	2.33633	0.0542216	0.20263886	2.8706983	21	—	—
23213 Ameliachang	15.0	X	281.50051	14.97580	263.66698	4.18189	0.0993675	0.21275171	2.7789923	21	3 1.9	19.0
23214 Patrickchen	14.7	X	350.74481	249.78643	21.58743	2.98958	0.0377822	0.22056641	2.7129584	21	6 4.5	18.2
23215 2000 UV_{75}	14.6	X	69.31219	4.49107	134.98504	12.73266	0.1233446	0.25308427	2.4752892	21	4 13.8	17.6
23216 Mikehagler	14.8	X	333.37678	351.96931	15.88968	2.69945	0.1054940	0.22895210	2.6463034	21	9 20.2	17.7
23217 Nayana	15.0	X	249.63420	275.45035	266.97485	4.68355	0.1035214	0.28717598	2.2752929	21	—	—
23218 Puttachi	14.4	X	194.28778	325.87689	285.83241	0.81615	0.0573779	0.19632805	2.9318910	21	—	—
23219 2000 VW_{23}	13.7	X	242.14928	345.09411	229.77362	7.44406	0.1336654	0.24410723	2.5356090	21	—	—
23220 Yalemichaels	14.7	X	326.27722	289.81525	109.89501	3.60776	0.0690261	0.23172032	2.6251853	21	10 25.8	17.7
23221 Delgado	14.4	X	37.37456	229.16162	134.64871	4.08183	0.1577591	0.28357077	2.2945370	21	—	—
23222 2000 VZ_{53}	13.7	X	324.25346	175.25385	259.25081	6.79718	0.2254165	0.23586652	2.5943298	21	12 8.6	15.6
23223 2000 WA	14.7	X	200.81354	336.85998	80.63561	2.92711	0.1699830	0.21760219	2.7375405	21	5 28.1	19.1
23224 2000 WD_{10}	14.9	X	69.95780	42.35379	257.47642	4.26366	0.0543023	0.22816949	2.6523510	21	11 6.0	18.5
23225 2000 WD_{25}	14.4	X	196.00409	214.96925	162.76948	11.56869	0.2698472	0.25646153	2.4535104	21	4 5.2	18.8
23226 2000 WC_{49}	15.1	X	282.37842	226.82732	165.10042	2.23383	0.2029687	0.27001483	2.3707057	21	7 16.3	17.8
23227 2000 WP_{55}	13.3	X	167.53381	224.72525	345.11336	4.39617	0.1679309	0.17618453	3.1513081	21	10 27.6	18.5
23228 Nandinisarma	15.2	X	131.01805	3.81849	234.95872	6.19467	0.0791982	0.27789104	2.3256964	21	11 9.4	18.5
23229 2000 WX_{58}	14.2	X	84.68109	203.95788	145.50831	2.03387	0.2168795	0.24087226	2.5582610	21	—	—
23230 2000 WM_{59}	14.9	X	357.77812	205.47632	111.50560	4.07604	0.2026304	0.27200607	2.3591216	21	9 1.6	16.5
23231 2000 WT_{59}	13.3	X	132.51236	119.44330	107.11935	7.41509	0.0661271	0.27558527	2.3386508	21	10 29.1	16.6
23232 Buschur	14.2	X	230.53389	165.85477	159.42502	3.66046	0.1863711	0.25690956	2.4506571	21	2 26.1	18.0
23233 2000 WM_{72}	13.9	X	206.83619	264.91829	308.94475	21.27004	0.2518405	0.27716795	2.3297396	21	12 14.8	17.8
23234 Lilliantsai	14.8	X	178.93677	328.09232	55.46945	7.27600	0.1505455	0.25362576	2.4717648	21	3 27.2	18.7
23235 Yingfan	14.5	X	40.02083	303.01768	95.48123	2.70776	0.1337284	0.23989023	2.5652380	21	—	—
23236 2000 WX_{100}	13.7	X	282.25039	247.21694	91.61607	9.07533	0.2872004	0.21818222	2.7326865	21	4 28.9	17.9
23237 2000 WV_{104}	15.3	X	288.60344	242.22949	116.39269	1.91526	0.1041027	0.21802939	2.7339634	21	6 24.8	19.0
23238 Ocasio–Cortez	14.7	X	260.97323	277.53823	6.12989	6.22320	0.1257336	0.25537184	2.4604849	21	2 8.9	18.3
23239 2000 WR_{116}	14.7	X	51.65282	36.19178	309.37053	3.99902	0.2853552	0.23779117	2.5803120	21	—	—
23240 2000 WG_{118}	14.6	X	192.59439	8.10567	4.80235	3.10347	0.2098044	0.25777861	2.4451460	21	3 24.4	18.7
23241 Yada	14.9	X	138.90742	68.46476	208.28834	4.94714	0.1000609	0.23910405	2.5708580	21	12 29.3	18.9
23242 2000 WY_{140}	14.1	X	81.41751	159.27244	101.67186	16.45671	0.1525293	0.22274604	2.6952313	21	10 22.8	18.4
23243 2000 WT_{145}	14.1	X	199.82338	178.57706	173.97265	16.40128	0.2371443	0.21085082	2.7956697	21	3 9.7	18.9
23244 Lafayette	14.6	X	255.80012	249.82248	130.74019	13.57655	0.2058358	0.22139136	2.7062148	21	6 2.4	19.0
23245 Fujimura	15.7	X	0.27440	165.33344	256.94043	1.62294	0.1524595	0.28281212	2.2986386	21	—	—
23246 Terazono	14.5	X	51.87682	280.65153	118.35463	7.98466	0.1962134	0.23880271	2.5730203	21	—	—
23247 2000 WG_{174}	13.5	X	105.18405	223.62909	102.27642	13.09541	0.0254686	0.19371355	2.9582126	21	—	—
23248 Batchelor	14.3	X	22.73816	324.21290	79.67662	9.51677	0.1036123	0.24436267	2.5338417	21	—	—
23249 Liaoyenting	15.2	X	210.26321	0.45418	147.19839	7.04509	0.0498654	0.27687277	2.3313951	21	10 17.7	18.2
23250 2000 WQ_{181}	15.0	X	286.00849	315.22669	152.74136	23.52205	0.3062125	0.27766947	2.3269334	21	11 6.1	17.5
23251 2000 XL_{6}	13.8	X	215.22639	334.09384	9.59908	6.92282	0.2517840	0.21184019	2.7869583	21	3 12.2	18.7
23252 2000 XO_{7}	15.2	X	233.72588	101.23802	46.75343	12.20354	0.1676439	0.27722802	2.3294030	21	10 30.2	18.3
23253 2000 YY_{12}	14.6	X	6.32581	168.21914	202.70086	11.10286	0.2248731	0.23139824	2.6276208	21	12 7.1	17.4
23254 Chikatoshi	14.0	X	248.85043	16.88412	45.06687	4.97241	0.1404051	0.22009410	2.7168383	21	7 24.7	18.1
23255 2000 YD_{17}	13.8	X	311.99695	246.59802	142.97735	28.12728	0.1927108	0.22765391	2.6563541	21	9 4.3	16.6
23256 2000 YK_{17}	15.2	X	168.69347	70.65690	16.49549	1.68609	0.1547109	0.26079078	2.4262817	21	6 2.9	19.0
23257 Denny	15.0	X	63.79313	114.57041	306.86191	5.72878	0.1110899	0.24379918	2.5377444	21	—	—
23258 Tsuihark	14.7	X	76.90233	241.94744	72.55535	6.84703	0.1690424	0.27931732	2.3177725	21	12 25.7	18.0
23259 Miwadagakuen	14.8	X	344.98902	7.21829	105.80290	9.17191	0.0777368	0.28801324	2.2708812	21	—	—
23260 2000 YA_{34}	14.2	X	161.15979	131.44075	227.77380	4.14378	0.2111570	0.29610276	2.2293303	21	2 1.9	17.5
23261 2000 YQ_{44}	14.5	X	71.18577	243.05078	112.64021	13.96990	0.0408877	0.23548774	2.5971110	21	—	—
23262 Thiagoolson	15.1	X	234.19370	290.07493	106.81533	6.10180	0.0438521	0.26350467	2.4095938	21	6 13.0	18.3
23263 2000 YE_{46}	14.1	X	153.84588	196.59911	106.95043	16.14334	0.1196994	0.24025285	2.5626562	21	—	—
23264 2000 YC_{50}	14.8	X	90.90804	37.91144	303.22183	4.01587	0.2381510	0.23914970	2.5705309	21	—	—
23265 von Wurden	15.2	X	33.53055	244.28962	228.20016	2.62331	0.0835291	0.24492928	2.5299324	21	—	—
23266 2000 YP_{50}	14.8	X	282.72991	182.21883	183.76590	2.31567	0.2267062	0.26757784	2.3850782	21	6 6.4	17.8
23267 2000 YJ_{54}	14.9	X	38.38236	278.08530	99.71793	4.46422	0.2712427	0.23712465	2.5851451	21	—	—
23268 2000 YD_{55}	14.0	X	138.92756	208.37330	108.22604	7.04452	0.1993951	0.28730882	2.2745915	21	—	—
23269 2000 YH_{62}	11.5	X	141.61207	316.14420	285.71069	8.72513	0.0228600	0.08278381	5.2140172	21	10 24.5	18.6
23270 Kellerman	15.2	X	164.82610	299.76258	105.25402	3.84965	0.1797684	0.25574274	2.4581055	21	4 9.8	19.0
23271 Kellychacon	15.4	X	357.09009	242.17443	171.79721	6.57409	0.1191459	0.28020813	2.3128576	21	—	—
23272 2000 YR_{67}	14.7	X	295.82311	120.48162	255.41443	2.35531	0.2319880	0.26769731	2.3843685	21	7 8.4	17.2
23273 2000 YM_{75}	13.7	X	152.29535	97.91727	102.02497	10.74678	0.1047538	0.17826029	3.1267967	21	10 9.2	18.7
23274 Wuminchun	14.5	X	170.64846	348.91675	292.92812	9.19876	0.0662750	0.19028963	2.9935922	21	—	—
23275 2000 YP_{101}	13.8	X	336.62246	231.73396	124.80119	15.17055	0.1484880	0.17847627	3.1242736	21	9 5.1	17.5
23276 2000 YT_{101}	14.5	X	204.13667	249.16854	141.58089	10.08875	0.2704305	0.26180740	2.4199967	21	4 27.9	18.9
23277 Benhughes	15.4	X	278.64391	139.64908	116.11342	7.72532	0.0328333	0.29178959	2.2512455	21	1 24.7	18.2
23278 2000 YD_{105}	13.1	X	283.70043	284.23382	139.73431	12.63762	0.0969048	0.17050651	3.2208864	21	9 14.3	17.5
23279 Chenhungjen	15.2	X	94.87562	16.57817	351.60430	4.03570	0.1660534	0.28819781	2.2699115	21	—	—
23280 Laitsaita	14.7	X	138.80170	300.68002	65.53250	2.94399	0.1908595	0.29356638	2.2421526	21	1 17.6	17.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
23281 Vijayjain	14.8	X	39.84574	257.40442	101.26823	5.65833	0.1663206	0.27863797	2.3215383	21	—	—
23282 2000 YZ_{116}	14.4	X	127.79334	333.86439	48.96885	4.64166	0.1424627	0.29366626	2.2416442	21	1 18.9	16.9
23283 Jinjuyi	15.6	X	271.50022	294.48687	99.37341	4.60745	0.0417363	0.26552690	2.3973440	21	7 31.4	18.5
23284 Celik	15.0	X	23.71926	190.17144	69.47141	3.23189	0.1664430	0.25934730	2.4352763	21	7 22.1	17.1
23285 2000 YH_{119}	11.1	X	289.91969	132.76847	329.85443	16.57842	0.0558785	0.08536995	5.1081783	21	10 22.9	18.1
23286 Parlakgul	14.7	X	320.01934	211.54546	1.12152	8.09072	0.1768811	0.24514714	2.5284332	21	1 11.3	18.2
23287 2000 YL_{120}	14.4	X	42.13187	236.27470	340.81447	8.34402	0.0990411	0.20955932	2.8071442	21	6 12.9	18.0
23288 2000 YG_{123}	15.2	X	307.87312	248.06579	167.00736	12.11453	0.2975037	0.22864333	2.6486853	21	9 15.8	17.3
23289 Naruhirata	15.0	X	3.48228	337.08920	27.57299	5.53770	0.1693836	0.27514440	2.3411484	21	11 24.2	17.1
23290 2000 YQ_{127}	14.7	X	43.96463	16.45204	356.40664	4.22964	0.1775933	0.23485738	2.6017561	21	—	—
23291 2000 YB_{128}	15.8	X	103.99704	340.50147	15.21738	2.51224	0.1122351	0.28730058	2.2746350	21	—	—
23292 2000 YH_{128}	14.9	X	313.37809	340.64907	11.28567	3.68622	0.2239144	0.26818357	2.3814855	21	7 5.5	17.0
23293 2000 YS_{131}	14.7	X	168.57921	40.26636	320.23020	5.38846	0.2027053	0.29756132	2.2220393	21	2 11.2	18.0
23294 Sunao	14.9	X	283.21706	70.90168	354.42799	4.90026	0.2157138	0.27112851	2.3642093	21	9 4.3	17.2
23295 Brandoreavis	15.4	X	272.72510	296.39704	231.57557	8.96674	0.1083042	0.28051513	2.3111698	21	—	—
23296 Brianreavis	15.1	X	84.64095	128.66504	247.91196	5.63573	0.1975688	0.29067195	2.2570125	21	—	—
23297 2001 AX_{3}	14.2	X	203.24119	78.53906	239.71260	5.13934	0.2123077	0.29720953	2.2237923	21	1 19.8	17.8
23298 Loewenstein	14.7	X	64.48624	124.42854	242.43367	3.65665	0.1619001	0.28483926	2.2877197	21	—	—
23299 2001 AP_{9}	15.1	X	86.58568	221.17379	136.03108	10.98765	0.0388649	0.23705966	2.5856175	21	—	—
23300 2001 AE_{16}	14.2	X	143.46140	104.46568	121.24812	23.86905	0.2500568	0.27029403	2.3690729	21	11 15.5	18.8
23301 2001 AO_{16}	11.5	X	39.61348	357.62697	301.51728	21.41373	0.1953197	0.12348057	3.9939592	21	9 20.8	17.0
23302 2001 AB_{17}	13.6	X	265.45170	250.41514	317.40500	12.69351	0.1199160	0.23599586	2.5933818	21	—	—
23303 2001 AD_{17}	13.1	X	227.30177	283.52387	320.81936	12.04070	0.1459952	0.23506050	2.6002570	21	—	—
23304 2001 AN_{17}	13.2	X	59.63852	69.37020	314.30036	9.73480	0.1624112	0.23169972	2.6253409	21	—	—
23305 2001 AH_{18}	12.5	X	270.84377	230.22667	340.20652	10.65772	0.0845486	0.18577402	3.0419079	21	—	—
23306 Adamfields	14.3	X	332.56976	211.29848	165.55347	6.80226	0.1212329	0.27457064	2.3444087	21	10 10.7	16.4
23307 Alexramek	15.5	X	51.36040	205.72571	157.94983	7.23800	0.1232920	0.28187210	2.3037463	21	—	—
23308 Niyomsatian	15.1	X	70.20584	29.52010	351.91118	3.97976	0.0688655	0.23955108	2.5676587	21	—	—
23309 2001 AX_{22}	14.2	X	295.16174	58.55655	129.99018	11.14772	0.0436163	0.19244723	2.9711752	21	—	—
23310 Siriwon	15.3	X	32.54926	54.78023	36.13109	4.87460	0.0836321	0.29022715	2.2593180	21	—	—
23311 2001 AM_{29}	13.6	X	148.96722	188.54466	79.20273	15.63236	0.0775245	0.23528852	2.5985768	21	12 28.2	17.5
23312 2001 AV_{41}	15.1	X	285.88955	51.03556	309.84918	5.14501	0.1704714	0.31150528	2.1552241	21	6 10.3	17.5
23313 Supokaivanich	15.0	X	105.72235	90.16773	310.70109	5.63162	0.1678365	0.29328780	2.2435722	21	1 14.6	17.2
23314 2001 AU_{44}	14.5	X	113.13982	255.46532	130.86347	13.91186	0.1941389	0.24411990	2.5355213	21	1 21.5	17.7
23315 Navinbrian	14.0	X	275.21436	175.42990	334.32451	8.10395	0.1014259	0.18490257	3.0514581	21	12 17.4	18.1
23316 2001 BZ_{8}	14.2	X	18.69500	225.61975	123.17448	28.44792	0.1259199	0.22635813	2.6664820	21	11 22.6	18.1
23317 2001 BP_{13}	15.1	X	78.72857	114.87961	252.77176	2.87196	0.2060479	0.28580862	2.2825441	21	—	—
23318 Salvadorsanchez	12.4	X	104.06384	102.33870	151.95870	12.17518	0.0701900	0.17277441	3.1926387	21	10 19.8	17.2
23319 2001 BR_{14}	13.3	X	345.30323	296.25951	328.49316	10.43400	0.1871354	0.25340643	2.4731908	21	4 23.8	16.0
23320 2001 BP_{15}	15.4	X	31.49270	314.85049	88.08485	0.70001	0.2229341	0.28374178	2.2936150	21	—	—
23321 2001 BY_{16}	14.0	X	76.06732	225.00594	353.30586	13.35049	0.0893140	0.21302417	2.7766222	21	8 7.9	17.9
23322 Duyingsewa	15.7	X	336.66918	285.51741	150.30245	3.98253	0.1869668	0.23349447	2.6118706	21	—	—
23323 Anand	14.3	X	216.21144	44.03173	179.00228	2.87616	0.0561528	0.18582178	3.0413867	21	—	—
23324 Kwak	15.2	X	258.39143	63.40151	152.70243	3.61329	0.1864998	0.23631263	2.5910637	21	—	—
23325 Arroyo	15.5	X	83.41585	172.86447	104.79619	4.73870	0.1266128	0.27328422	2.3517601	21	11 11.9	18.8
23326 2001 BL_{30}	13.7	X	158.34903	89.19194	152.35991	6.62749	0.1686626	0.17863588	3.1224123	21	11 28.3	18.9
23327 Luchernandez	15.4	X	281.83218	321.10654	146.29476	5.76078	0.1105125	0.27603191	2.3361274	21	11 22.8	17.8
23328 2001 BM_{34}	12.8	X	91.73914	346.96583	329.90561	9.86004	0.0807713	0.17823123	3.1271365	21	12 17.7	17.6
23329 Josevega	15.8	X	283.18795	256.87464	233.78904	6.44680	0.0505002	0.27919307	2.3184601	21	—	—
23330 2001 BP_{43}	15.8	X	184.85298	185.97785	210.97748	7.05623	0.0964591	0.30214264	2.1995206	21	4 8.4	18.7
23331 Halimzeidan	15.2	X	137.71948	32.24127	202.80166	7.07372	0.1342305	0.27020515	2.3695923	21	11 12.9	18.7
23332 2001 BP_{54}	15.6	X	292.01253	325.90124	39.01975	1.15487	0.1598384	0.31178568	2.1539317	21	6 28.6	17.6
23333 2059 P–L	14.9	X	39.49122	233.12579	357.20218	5.42068	0.0548693	0.25528909	2.4610166	21	6 21.9	17.8
23334 2508 P–L	15.2	X	27.67565	351.39880	10.00327	6.37386	0.2501094	0.27688626	2.3313194	21	—	—
23335 2542 P–L	15.1	X	288.20562	331.69754	50.18010	3.70270	0.2331995	0.27294326	2.3537182	21	7 5.8	17.7
23336 2579 P–L	14.3	X	268.30681	216.47947	26.75027	7.95078	0.1710281	0.28282890	2.2985477	21	—	—
23337 2613 P–L	14.5	X	314.27276	220.39013	191.92001	4.52374	0.1320117	0.17716227	3.1397030	21	10 8.5	18.3
23338 2809 P–L	15.0	X	131.39214	252.16104	175.90862	2.03010	0.0523293	0.20302759	2.8670329	21	3 25.1	19.1
23339 3025 P–L	14.7	X	134.31697	334.05585	308.81743	11.57401	0.1465143	0.23021468	2.6366190	21	—	—
23340 3092 P–L	14.8	X	87.44067	3.35885	294.79714	7.41219	0.2431736	0.22928623	2.6437318	21	12 14.0	19.1
23341 3503 P–L	14.3	X	108.48821	56.94929	244.49838	11.37860	0.1552059	0.22981033	2.6397108	21	12 29.4	18.6
23342 4086 P–L	15.9	X	327.81659	128.67968	244.52131	2.12481	0.2150666	0.22572033	2.6715026	21	9 7.5	18.2
23343 4238 P–L	15.5	X	289.30723	243.64563	201.16053	12.68626	0.2387502	0.22608698	2.6686135	21	10 1.3	18.6
23344 4612 P–L	15.4	X	298.87734	14.18885	64.09518	0.31248	0.1783773	0.27533761	2.3400530	21	10 31.2	17.4
23345 4619 P–L	15.7	X	70.15314	91.82485	4.67100	1.83237	0.0997694	0.29874836	2.2161494	21	1 23.2	17.7
23346 4695 P–L	15.2	X	194.24822	185.36089	3.61840	6.27937	0.0408890	0.27673692	2.3321581	21	11 18.5	18.3
23347 5567 P–L	15.0	X	181.16064	218.34392	37.80853	7.54886	0.2037362	0.27989482	2.3145833	21	—	—
23348 6046 P–L	14.8	X	333.92072	8.85441	357.09440	12.08620	0.2048149	0.22595403	2.6696602	21	9 14.2	16.9
23349 6741 P–L	14.9	X	158.49130	76.45049	68.30027	3.12526	0.0489617	0.22412479	2.6841665	21	8 4.7	18.6
23350 6779 P–L	14.5	X	176.71238	132.29440	134.99350	4.15922	0.0558622	0.23115737	2.6294458	21	—	—
23351 6818 P–L	14.5	X	158.36161	233.49311	70.23553	3.50547	0.1975162	0.23245180	2.6196751	21	—	—
23352 7585 P–L	15.5	X	103.96255	197.28711	97.04733	2.52572	0.2491727	0.27846242	2.3225139	21	12 29.5	19.5
23353 9518 P–L	14.4	X	69.40265	257.94818	12.59235	2.42399	0.1663331	0.25965950	2.4333238	21	10 18.8	17.7
23354 9547 P–L	14.7	X	180.53505	165.00576	189.70828	7.54706	0.2102177	0.25114713	2.4880011	21	2 19.2	18.9
23355 Elephenor	11.9	X	343.74620	245.47600	147.01618	7.06269	0.0620377	0.08201410	5.2465891	21	10 19.6	18.6
23356 1194 T–1	14.2	X	314.03901	247.57294	186.63991	11.53398	0.1254560	0.18832123	3.0144161	21	11 10.2	17.9
23357 1285 T–1	15.6	X	191.82930	173.62501	276.91377	1.43551	0.1052561	0.26075326	2.4265145	21	7 1.3	19.1
23358 2194 T–1	15.6	X	274.48380	92.03938	37.22741	2.75914	0.1543084	0.22862521	2.6488252	21	11 22.1	18.5
23359 2301 T–1	14.7	X	101.79564	357.41621	22.07792	6.16518	0.1825908	0.29090017	2.2558319	21	—	—
23360 3101 T–1	15.5	X	184.83798	356.14209	276.31343	1.79051	0.1428396	0.26864463	2.3787599	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
23361 3243 *T–1*	15.3	*X*	170.29141	348.19862	357.55040	3.91573	0.1420729	0.29186393	2.2508632	21	1 21.4	18.4
23362 3248 *T–1*	16.8	*X*	352.16604	4.81984	189.34228	5.42024	0.1258662	0.29391764	2.2403658	21	1 25.1	19.3
23363 3770 *T–1*	15.3	*X*	319.85623	29.16485	190.97658	6.23717	0.1291915	0.29313087	2.2443729	21	1 14.3	18.2
23364 4060 *T–1*	16.1	*X*	265.83152	231.50036	49.89868	4.29843	0.1666104	0.29311549	2.2444514	21	2 1.7	19.5
23365 4217 *T–1*	15.5	*X*	142.16223	62.94462	91.24102	3.05090	0.1534746	0.26088652	2.4256881	21	8 4.9	19.1
23366 1043 *T–2*	15.6	*X*	210.73879	164.33242	306.26976	2.03001	0.1693473	0.26428338	2.4048582	21	8 13.5	19.4
23367 1173 *T–2*	14.3	*X*	62.17423	50.86422	0.67604	9.36731	0.0625653	0.19168181	2.9790797	21	—	—
23368 1196 *T–2*	14.7	*X*	249.98814	242.80019	1.79694	5.07720	0.1536749	0.23551686	2.5968970	21	—	—
23369 1295 *T–2*	14.3	*X*	316.01213	49.53110	6.71911	12.72867	0.2758767	0.22594988	2.6696929	21	10 8.9	16.4
23370 1329 *T–2*	14.1	*X*	46.99600	212.33776	217.76037	1.91416	0.1821250	0.19109972	2.9851261	21	—	—
23371 1364 *T–2*	14.6	*X*	297.43866	135.25593	199.80894	5.89099	0.0482817	0.22188550	2.7021955	21	6 13.9	18.2
23372 1405 *T–2*	16.0	*X*	221.59519	96.59870	351.52412	1.09586	0.1392848	0.26412156	2.4058404	21	7 28.9	19.4
23373 2133 *T–2*	15.1	*X*	250.14055	162.35218	195.79949	1.92643	0.1024205	0.22045386	2.7138817	21	5 7.0	18.9
23374 2207 *T–2*	14.3	*X*	257.90221	212.40584	115.55845	0.27436	0.1687962	0.17857855	3.1230805	21	4 4.2	19.2
23375 2234 *T–2*	14.1	*X*	60.71997	235.98854	10.27907	12.84424	0.1321996	0.18243727	3.0788865	21	8 29.3	18.3
23376 2239 *T–2*	14.5	*X*	249.05761	208.23056	182.46998	1.53542	0.1939992	0.18113085	3.0936732	21	6 8.1	19.3
23377 3035 *T–2*	15.5	*X*	261.40858	263.59919	144.55427	2.78792	0.1903353	0.26447697	2.4036846	21	7 13.4	18.9
23378 3043 *T–2*	15.6	*X*	104.50902	244.42368	18.50141	6.93847	0.0977321	0.26936951	2.3744905	21	11 9.9	19.0
23379 3159 *T–2*	14.4	*X*	63.44537	211.87449	169.73780	11.80233	0.1201908	0.23143889	2.6273131	21	—	—
23380 3197 *T–2*	14.6	*X*	270.07816	124.05099	13.07566	9.81276	0.0602400	0.18813934	3.0163586	21	11 29.1	18.9
23381 3363 *T–2*	14.9	*X*	8.79723	55.71848	8.82399	1.39561	0.0750569	0.18947499	3.0021666	21	—	—
23382 Epistrophos	11.9	*X*	297.50095	284.12000	174.41527	15.03497	0.1051677	0.08257267	5.2229014	21	10 31.4	18.6
23383 Schedios	11.8	*X*	296.91999	138.31927	301.20694	10.82462	0.1103082	0.08337367	5.1893955	21	10 1.0	18.6
23384 5163 *T–2*	13.7	*X*	249.88369	231.30472	295.78389	10.00928	0.1655781	0.18835839	3.0140195	21	11 26.6	18.1
23385 5168 *T–2*	14.2	*X*	140.96274	119.61910	228.04955	9.66017	0.1041658	0.19272252	2.9683452	21	1 3.8	18.7
23386 5179 *T–2*	14.5	*X*	31.55422	237.89215	229.06594	9.97837	0.0726963	0.19273926	2.9681733	21	1 1.8	18.4
23387 1039 *T–3*	14.6	*X*	89.32487	322.80700	345.95666	12.80596	0.1315411	0.22761444	2.6566612	21	12 18.9	18.9
23388 1168 *T–3*	14.5	*X*	320.27783	50.42981	355.44272	13.30731	0.1593829	0.22392677	2.6857487	21	10 11.9	17.4
23389 1181 *T–3*	14.3	*X*	184.83193	236.91904	324.17683	9.66415	0.0257010	0.18084575	3.0969238	21	11 6.5	19.0
23390 1186 *T–3*	14.2	*X*	56.50954	356.73328	352.82652	16.18959	0.1041358	0.18212511	3.0824036	21	12 20.8	18.9
23391 2065 *T–3*	16.0	*X*	334.46708	355.73873	329.54525	4.59571	0.0153616	0.31052615	2.1597522	21	7 31.1	18.2
23392 2416 *T–3*	14.0	*X*	258.15962	198.60471	273.76058	1.39687	0.1637297	0.26850256	2.3795989	21	10 10.8	16.9
23393 3283 *T–3*	15.4	*X*	265.90150	312.85799	169.21989	3.58195	0.0360792	0.22581077	2.6707892	21	11 18.1	18.9
23394 4340 *T–3*	15.1	*X*	336.43691	287.49195	56.38060	7.13859	0.1377297	0.26714800	2.3876359	21	8 27.9	17.3
23395 5018 *T–3*	14.2	*X*	323.86411	39.84516	52.94219	15.82155	0.0877687	0.22739924	2.6583370	21	12 29.1	17.5
23396 5112 *T–3*	14.7	*X*	292.69423	185.23217	110.76552	8.18886	0.1045904	0.21668806	2.7452342	21	4 11.7	18.6
23397 5122 *T–3*	15.2	*X*	79.41840	192.69296	112.17454	6.93862	0.2463546	0.27240492	2.3568182	21	12 21.7	19.1
23398 5124 *T–3*	14.7	*X*	233.96074	60.86334	102.75666	7.17737	0.0612312	0.27138289	2.3627317	21	12 4.9	17.6
23399 5132 *T–3*	13.7	*X*	42.63957	332.22081	72.76117	10.93359	0.0853828	0.18414442	3.0598279	21	—	—
23400 A913 *CF*	14.8	*X*	166.96820	158.95615	192.60416	9.17602	0.0706581	0.19145280	2.9814549	21	2 1.2	19.4
23401 Brodskaya	15.9	*X*	135.37375	64.18504	225.86210	4.67307	0.1849057	0.30433682	2.1889359	21	—	—
23402 Turchina	13.5	*X*	143.77156	11.39736	45.34243	2.86224	0.1834533	0.18092629	3.0960046	21	4 9.7	18.4
23403 Boudewijnbuch	15.2	*X*	202.95379	315.61473	185.46390	26.12100	0.2367961	0.26404925	2.4062796	21	9 8.3	19.4
23404 Bomans	14.1	*X*	15.37171	244.31434	172.80247	21.74848	0.2466404	0.28578985	2.2826440	21	—	—
23405 Nisyros	12.9	*X*	80.07668	184.67534	117.98342	5.21773	0.1137396	0.12457155	3.9706061	21	11 15.8	18.6
23406 Kozlov	14.5	*X*	17.23426	92.72815	275.44676	1.11768	0.2366953	0.27184507	2.3600529	21	—	—
23407 1977 RG_{19}	16.0	*X*	227.24627	137.58842	311.78913	1.95729	0.0817352	0.31180458	2.1538447	21	8 14.2	18.3
23408 Beijingaoyun	12.7	*X*	76.61890	178.11525	214.76193	14.73276	0.1909315	0.18483125	3.0522431	21	—	—
23409 Derzhavin	14.7	*X*	42.32863	200.10612	186.96549	4.98166	0.2140338	0.28060526	2.3106749	21	—	—
23410 Vikuznetsov	15.2	*X*	214.78647	135.25391	189.59196	3.91350	0.2498627	0.28905878	2.2654020	21	2 8.0	19.1
23411 Bayanova	14.1	*X*	11.65773	137.79824	321.89963	5.65212	0.1261185	0.28186049	2.3038096	21	—	—
23412 1978 UN_5	14.6	*X*	246.90727	301.09696	10.88239	5.15698	0.2544901	0.24366846	2.5386520	21	2 23.8	19.0
23413 1978 VQ_9	13.7	*X*	228.21552	250.47831	67.71326	13.28477	0.2060304	0.24024543	2.5627090	21	2 23.0	18.3
23414 1979 MP_1	14.9	*X*	343.06308	164.33250	165.99399	1.68851	0.1201125	0.25891243	2.4380023	21	8 14.8	17.0
23415 1979 MQ_3	14.4	*X*	216.37495	274.03835	140.30601	10.19626	0.2212523	0.25531012	2.4608815	21	6 5.6	18.6
23416 1979 MU_4	15.0	*X*	89.28626	106.39917	150.47588	2.26034	0.1508507	0.26234618	2.4166823	21	10 23.1	18.3
23417 1979 MU_6	14.3	*X*	313.21327	251.12465	130.29839	13.66600	0.0846341	0.21281243	2.7784637	21	9 7.6	17.8
23418 1979 QM_3	15.9	*X*	167.88838	240.83616	148.49039	5.27117	0.1234292	0.29667760	2.2264496	21	3 14.4	19.0
23419 1980 FQ_1	14.0	*X*	147.03073	221.24698	183.40846	10.71797	0.1093502	0.19280766	2.9674713	21	3 21.0	18.4
23420 1981 *DO*	14.7	*X*	281.50760	54.00871	217.27404	12.99506	0.1266695	0.24458580	2.5323004	21	2 9.9	18.7
23421 1981 *DR*	14.4	*X*	135.22332	112.73778	304.33714	10.95358	0.0465943	0.19661591	2.9290285	21	3 10.8	18.7
23422 1981 DF_1	14.0	*X*	251.49444	340.43668	317.83080	11.50270	0.0548091	0.19558957	2.9392662	21	2 26.9	18.3
23423 1981 EA_3	15.8	*X*	312.09716	352.90647	275.67147	5.76692	0.0875059	0.29578030	2.2309502	21	3 15.9	18.6
23424 1981 EU_9	15.2	*X*	234.70399	88.31619	213.87883	4.49366	0.1835391	0.29212934	2.2494996	21	1 26.8	18.7
23425 1981 EL_{12}	16.0	*X*	70.78412	185.44775	297.58847	3.68521	0.0621618	0.29488989	2.2354388	21	2 28.2	18.2
23426 1981 EB_{16}	15.7	*X*	44.41526	226.06927	272.81239	3.82327	0.0594768	0.29387380	2.2405887	21	2 8.2	17.9
23427 1981 EF_{16}	14.5	*X*	118.27446	218.06378	197.17912	10.84513	0.2013903	0.24541407	2.5265995	21	3 4.9	18.1
23428 1981 EL_{18}	15.1	*X*	312.28939	26.07893	210.01277	3.35386	0.1485009	0.24474952	2.5311710	21	2 1.9	18.5
23429 1981 EO_{35}	15.6	*X*	184.37986	72.75777	266.52165	5.14364	0.1345536	0.29200072	2.2501602	21	1 25.0	18.9
23430 1981 EO_{38}	14.9	*X*	174.40330	131.11330	189.22810	12.29509	0.0939053	0.24089259	2.5581171	21	—	—
23431 1981 EA_{45}	16.3	*X*	311.84684	336.18657	300.44622	5.21594	0.1611914	0.29565908	2.2315600	21	3 15.8	19.1
23432 1981 EF_{47}	15.2	*X*	93.21176	112.63204	6.82855	3.23378	0.0799806	0.19868887	2.9086202	21	4 15.4	19.2
23433 1981 UU_{22}	13.4	*X*	145.33848	196.28441	73.99276	10.28967	0.0575860	0.17517240	3.1634351	21	12 16.9	18.1
23434 1981 UB_{23}	13.6	*X*	321.68749	264.78417	129.40066	3.12722	0.1894508	0.22032253	2.7149601	21	9 30.4	16.2
23435 1981 UZ_{24}	14.5	*X*	200.18572	270.04521	45.27234	8.34951	0.1260532	0.28227402	2.3015590	21	1 14.5	18.0
23436 Alekfursenko	13.8	*X*	326.50264	87.06492	309.55073	3.77240	0.1900723	0.17507549	3.1646024	21	10 1.9	17.4
23437 Šíma	14.5	*X*	351.25192	98.58031	203.94817	4.67411	0.2136874	0.29122084	2.2541756	21	7 15.2	15.7
23438 1984 SZ_5	14.8	*X*	234.80701	274.46128	12.98482	8.22197	0.2384665	0.28171602	2.3045971	21	1 13.0	18.9
23439 1986 *PP*	14.8	*X*	112.15367	234.18557	122.97041	2.87953	0.2288692	0.23626402	2.5914191	21	—	—
23440 1986 QH_1	13.5	*X*	51.89880	14.19653	341.23415	15.25634	0.1004245	0.17482315	3.1676468	21	12 20.8	18.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
23441 1986 QW_1	13.9	X	82.16044	232.39779	72.66422	1.73434	0.1739056	0.17416141	3.1756656	21	12 3.2	18.6
23442 1986 QJ_2	13.4	X	164.55800	268.62014	5.25960	4.57224	0.1386598	0.17905679	3.1175172	21	—	—
23443 Kikwaya	13.1	X	185.08661	358.43948	358.91744	14.90152	0.1246127	0.23978429	2.5659936	21	3 1.1	17.1
23444 Kukučín	13.6	X	233.26617	356.14046	325.54218	7.41606	0.1873995	0.24075770	2.5590725	21	2 25.1	17.7
23445 1987 QY_7	13.4	X	170.64694	274.79757	68.07688	12.13540	0.1424220	0.18917916	3.0052955	21	2 5.9	18.3
23446 1987 SJ_2	14.2	X	68.63460	171.45148	139.93152	2.70428	0.1749519	0.26509646	2.3999384	21	12 11.8	17.7
23447 1987 VG	14.6	X	231.96771	28.32282	350.05161	5.07849	0.1990562	0.25189151	2.4830971	21	5 2.3	18.7
23448 1988 BG	13.1	X	356.24262	128.07979	292.98255	12.39708	0.1592405	0.23207224	2.6225308	21	—	—
23449 1988 BG_5	14.3	X	137.43477	36.56158	240.53030	12.56247	0.1484441	0.22644210	2.6658227	21	12 25.7	18.7
23450 Birkenstock	15.4	X	249.91966	126.75586	277.39176	6.70287	0.0840333	0.30780918	2.1724427	21	7 8.4	17.9
23451 1988 CO_7	15.3	X	34.75867	288.52010	88.77847	1.06063	0.0664137	0.31918778	2.1205013	21	—	—
23452 Drew	15.2	X	304.50130	229.49520	156.57254	23.87541	0.0946707	0.35864800	1.9619613	21	9 14.2	16.5
23453 1988 QR	14.2	X	242.15975	31.01212	269.61466	4.08692	0.1568816	0.19793372	2.9160134	21	2 13.7	19.0
23454 1988 XU_2	13.5	X	167.72955	356.80333	73.52415	9.03337	0.1428329	0.22535606	2.6743806	21	5 14.0	17.8
23455 Fumi	13.0	X	159.85639	300.32265	65.26294	10.37095	0.0886757	0.19070423	2.9892518	21	2 18.7	17.6
23456 1989 DB	14.1	X	285.96076	150.29830	35.17755	3.33007	0.1754107	0.26970832	2.3725015	21	—	—
23457 Beiderbecke	13.9	X	262.99797	38.06189	104.04327	13.66802	0.2052395	0.23223898	2.6212753	21	11 19.5	17.4
23458 1989 RY_1	13.8	X	6.21437	149.11759	156.26229	15.34353	0.2806534	0.21487546	2.7606510	21	9 2.5	15.9
23459 1989 ST_4	13.9	X	89.20261	229.44965	47.12372	6.55191	0.0794160	0.21692773	2.7432118	21	11 2.6	17.6
23460 1989 SX_9	15.2	X	69.77444	239.83056	146.45560	0.62480	0.2182102	0.28668313	2.2778998	21	—	—
23461 1989 TM_4	14.1	X	178.15879	73.40654	181.98250	10.61729	0.0840917	0.22271341	2.6954946	21	—	—
23462 1989 TU_4	14.9	X	75.49981	197.41449	105.84653	4.56166	0.1703796	0.21918244	2.7243666	21	12 1.4	19.0
23463 1989 TX_{11}	11.5	X	246.99577	270.67068	110.64384	12.88861	0.0482493	0.08368255	5.1766180	21	6 13.7	18.5
23464 1989 TN_{15}	15.3	X	147.30289	33.04507	345.50399	2.97942	0.1533894	0.29253036	2.2474434	21	2 8.3	18.1
23465 1989 UA_1	14.4	X	253.43284	0.94747	4.23884	5.26138	0.1861223	0.30065750	2.2067579	21	5 4.2	17.7
23466 1990 DU_4	14.7	X	330.84125	270.91430	186.47127	2.64524	0.1428284	0.27567675	2.3381334	21	—	—
23467 1990 QS_3	15.3	X	229.31337	163.87639	156.23256	5.50637	0.2086570	0.24258570	2.5462004	21	2 19.8	19.6
23468 Kannabe	13.8	X	353.09118	35.99156	1.93747	11.28733	0.3077373	0.22481282	2.6786872	21	12 31.3	16.3
23469 Neilpeart	13.8	X	30.72277	85.17772	274.92949	11.12236	0.1983327	0.22636455	2.6664315	21	12 24.6	17.1
23470 1990 SO_8	15.1	X	274.53181	276.22038	129.34223	5.10375	0.2355765	0.21895311	2.7262685	21	7 18.9	18.8
23471 1990 TH_3	14.4	X	290.27565	302.73224	55.45948	10.37325	0.2968589	0.21717325	2.7411439	21	5 26.9	18.1
23472 Rolfriekher	14.4	X	128.53835	139.28914	211.05828	13.98832	0.1571993	0.23383107	2.6093634	21	—	—
23473 Voss	14.6	X	322.25898	173.63775	251.87700	2.90601	0.1976422	0.22422170	2.6833930	21	11 16.1	16.9
23474 1990 UX_1	13.8	X	54.13357	192.07479	190.70552	12.71253	0.1469370	0.22815862	2.6524353	21	—	—
23475 1990 VM_2	14.1	X	24.37399	286.17135	102.78119	4.65975	0.1942321	0.22572921	2.6714325	21	—	—
23476 1990 VE_4	14.0	X	257.88935	16.93333	53.30966	12.48457	0.2177920	0.21645030	2.7472441	21	8 8.0	18.3
23477 Wallenstadt	13.7	X	245.39783	324.41374	205.93334	12.47017	0.1186378	0.22411864	2.6842156	21	12 9.9	17.5
23478 1991 BZ	13.7	X	208.72640	128.35839	288.40168	6.02384	0.2448205	0.20969313	2.8059499	21	5 31.4	18.6
23479 1991 CG	12.7	X	234.65542	305.85879	129.16635	15.50481	0.2037541	0.17842439	3.1248792	21	7 17.5	17.7
23480 1991 EL	11.4	X	161.65120	302.68480	280.31592	22.55084	0.0856619	0.08300059	5.2049346	21	10 22.3	19.0
23481 1991 GT_4	14.6	X	163.74173	135.42294	190.39829	4.98327	0.1963073	0.28502809	2.2867092	21	—	—
23482 1991 LV	14.4	X	59.85170	174.87309	240.43318	18.81047	0.0826003	0.38051146	1.8860689	21	—	—
23483 1991 LV_4	15.3	X	161.22641	161.33485	180.91554	3.92713	0.1833938	0.28298073	2.2977255	21	1 11.6	18.6
23484 1991 NC_1	14.8	X	277.55918	140.24303	126.08605	5.69338	0.2115282	0.28594916	2.2817961	21	1 20.9	18.3
23485 1991 NV_6	13.8	X	69.52113	34.77306	307.51360	6.56186	0.1265033	0.17393763	3.1783888	21	12 28.4	18.5
23486 1991 PE_2	15.9	X	307.14689	328.57069	12.66956	2.04002	0.2320625	0.26047672	2.4282316	21	6 5.0	18.4
23487 1991 PX_4	13.8	X	197.52710	114.53144	161.32967	1.46749	0.1414514	0.17967691	3.1103401	21	—	—
23488 1991 PF_{12}	15.0	X	16.18192	38.15060	281.14910	6.93259	0.2348271	0.26429172	2.4048076	21	10 16.6	17.3
23489 1991 PU_{16}	14.7	X	79.54285	303.29354	20.94864	3.26104	0.1219929	0.26994841	2.3710945	21	—	—
23490 Monikohl	13.8	X	127.70022	57.65783	345.11168	13.03895	0.1654277	0.24600048	2.5225827	21	2 26.6	17.1
23491 1991 RX_{17}	14.1	X	178.86135	148.97779	177.47426	4.36924	0.1430638	0.27925452	2.3181200	21	1 6.6	17.4
23492 1991 RA_{20}	14.5	X	22.57729	14.21035	309.90017	5.83351	0.1546629	0.26448345	2.4036453	21	10 22.5	17.2
23493 1991 SO	15.0	X	76.17879	354.09981	54.19865	7.73347	0.3297995	0.24162881	2.5529183	21	1 15.2	17.0
23494 1991 SE_2	14.6	X	98.41243	145.53891	168.07864	2.42262	0.2295747	0.27173142	2.3607109	21	—	—
23495 1991 UQ_1	14.6	X	188.77591	23.33659	38.64845	8.51579	0.1820006	0.28457723	2.2891238	21	5 18.9	18.2
23496 1991 VN_3	15.0	X	41.89011	0.26910	57.21378	6.79726	0.3228155	0.23676888	2.5877340	21	—	—
23497 1991 VG_4	14.0	X	117.17189	181.19884	251.98588	11.85884	0.1466853	0.24464412	2.5318979	21	3 15.8	17.8
23498 1991 VH_6	14.4	X	259.68557	188.38106	172.15408	7.80525	0.1563657	0.25305694	2.4754674	21	5 14.5	18.1
23499 1991 VY_{12}	14.0	X	225.43379	148.16228	239.03871	4.22097	0.1748784	0.21858772	2.7293059	21	5 12.2	18.4
23500 1992 AT_2	14.1	X	327.35640	330.72117	292.82225	3.71834	0.1855402	0.24360571	2.5390880	21	3 25.2	17.2
23501 1992 CK_1	14.1	X	69.02264	37.14087	148.82673	13.03260	0.1779996	0.21015226	2.8018615	21	6 25.1	17.9
23502 1992 DE_3	14.4	X	236.08013	9.27600	338.21088	6.47411	0.1764728	0.27519772	2.3408459	21	3 27.2	18.0
23503 1992 DD_4	14.9	X	269.52926	299.97274	156.01684	4.18310	0.0668880	0.22128083	2.7071159	21	10 15.4	18.3
23504 Haneda	13.8	X	278.73206	25.42885	136.52590	10.24473	0.0891620	0.22737819	2.6585011	21	—	—
23505 1992 EB_4	14.5	X	11.95494	319.84536	138.51419	10.44518	0.0824117	0.23164957	2.6257198	21	—	—
23506 1992 EC_8	15.1	X	330.80023	285.32972	171.02007	3.01084	0.0762483	0.22749224	2.6576125	21	—	—
23507 1992 EQ_{13}	14.5	X	325.59785	96.69989	280.04047	4.14919	0.0836655	0.21873149	2.7281098	21	9 16.2	17.8
23508 1992 ET_{14}	14.3	X	236.31838	201.55537	223.30648	2.76485	0.0868389	0.21512271	2.7585353	21	7 18.1	18.2
23509 1992 HQ_3	14.6	X	255.18098	239.80877	137.55044	3.48093	0.0616644	0.20727880	2.8276965	21	6 12.7	18.6
23510 1992 PA_2	15.3	X	158.60842	42.58667	306.93894	5.67088	0.2167783	0.28972867	2.2619087	21	1 21.4	18.5
23511 1992 PB_2	13.6	X	50.27712	80.47666	247.85546	5.48081	0.1500446	0.17565689	3.1576155	21	11 22.8	17.8
23512 1992 PC_3	12.5	X	146.05001	62.00523	272.99422	11.61240	0.1523140	0.18434730	3.0575826	21	1 2.2	17.2
23513 1992 PZ_3	14.2	X	173.43651	54.12797	322.89687	6.73247	0.1818069	0.29302268	2.2449253	21	3 6.3	17.7
23514 Schneider	15.3	X	37.83814	227.19256	150.69548	3.93250	0.2563362	0.27849243	2.3223470	21	—	—
23515 1992 RF_2	15.4	X	8.18002	213.44159	193.58598	4.31157	0.1331082	0.27915581	2.3186664	21	—	—
23516 1992 RK_2	15.3	X	2.90047	165.27246	285.11879	1.62483	0.1545314	0.28237501	2.3010102	21	—	—
23517 1992 RO_3	14.4	X	219.10147	79.30443	198.95313	0.44245	0.1330660	0.18649005	3.0341167	21	1 2.5	19.3
23518 1992 SP_1	13.7	X	33.23597	2.74662	339.57220	19.13765	0.2018583	0.17366343	3.1817334	21	11 18.3	18.2
23519 1992 SG_{13}	14.7	X	23.06373	355.91106	18.32468	5.66223	0.2543781	0.27576761	2.3376198	21	—	—
23520 Ludwigbechstein	15.5	X	70.10541	350.14552	41.68134	7.20799	0.1208597	0.28155617	2.3054693	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
23521 1992 US_1	14.4	X	128.69445	317.89707	46.66474	7.81355	0.1338667	0.28521357	2.2857177	21	—	—
23522 1992 WC_9	14.3	X	334.31754	33.54532	56.18969	7.24578	0.0885831	0.27576217	2.3376506	21	—	—
23523 1993 AQ	14.1	X	45.38129	160.04785	281.37448	8.74270	0.1020233	0.24355262	2.5394569	21	—	—
23524 1993 BF_3	13.9	X	347.37633	149.77416	332.34300	4.88352	0.1590277	0.24113557	2.5563984	21	—	—
23525 1993 FS_{22}	15.1	X	40.34488	198.42475	242.52518	2.74976	0.1214908	0.23843720	2.5756492	21	—	—
23526 1993 FJ_{32}	15.3	X	301.66592	312.60371	285.81299	4.50788	0.1322689	0.24246526	2.5470435	21	1 26.4	18.6
23527 1993 FD_{37}	14.8	X	87.87993	290.55486	173.39391	2.99304	0.1071481	0.24532998	2.5271768	21	3 16.9	17.9
23528 1993 FQ_{38}	15.5	X	0.73089	117.80202	152.33985	3.60182	0.0964288	0.25112732	2.4881319	21	6 16.9	18.0
23529 1993 FR_{45}	15.1	X	33.48068	255.66443	180.47279	17.63806	0.2152635	0.23897981	2.5717490	21	—	—
23530 1993 FV_{45}	14.5	X	257.46126	138.87178	170.02195	5.62313	0.2704119	0.24305847	2.5428976	21	2 25.4	18.7
23531 1993 FN_{62}	14.9	X	74.86105	346.73354	56.89031	5.13388	0.2382154	0.23863940	2.5741940	21	—	—
23532 1993 JG_1	14.9	X	317.82610	344.48463	241.50662	3.43317	0.1952729	0.24025525	2.5626391	21	1 21.3	18.4
23533 1993 PU_5	14.3	X	2.18609	119.91895	180.88319	4.20491	0.0888826	0.20962554	2.8065530	21	8 1.9	17.7
23534 1993 QP_3	14.2	X	111.59304	205.97099	177.51294	2.03194	0.1570127	0.19057381	2.9906154	21	1 21.5	18.3
23535 1993 QL_7	14.7	X	265.68963	183.11535	140.53972	3.28177	0.0141270	0.20122000	2.8841773	21	4 24.9	18.7
23536 1993 QS_9	14.5	X	162.15835	191.21965	154.50880	11.47403	0.0994563	0.19261792	2.9694198	21	1 23.8	19.1
23537 1993 SA_6	14.4	X	336.29274	327.39495	151.35372	1.81987	0.1393577	0.18503641	3.0499865	21	—	—
23538 1993 TM_{15}	14.4	X	188.24864	272.70317	72.86151	3.08456	0.0721434	0.19352573	2.9601263	21	2 19.8	18.8
23539 1993 TU_{15}	14.5	X	319.83879	263.40743	196.58407	1.34494	0.1245863	0.18088535	3.0964718	21	12 19.2	18.2
23540 1993 TV_{19}	13.6	X	300.77325	222.87147	83.92223	3.43617	0.0141291	0.20060086	2.8901088	21	5 17.8	17.4
23541 1993 TU_{29}	14.4	X	184.47642	262.61847	117.62990	3.28211	0.0566761	0.19579348	2.9372251	21	3 29.2	18.7
23542 1993 TN_{30}	14.5	X	273.81291	202.35378	106.40373	4.41939	0.1910050	0.19922178	2.9034310	21	3 25.6	19.0
23543 1993 UK	13.0	X	315.08445	258.16572	80.51314	3.32120	0.0675217	0.20430516	2.8550683	21	7 12.2	16.7
23544 1993 XW	12.8	X	12.36898	319.50254	86.92627	23.08568	0.0916972	0.17609487	3.1523777	21	12 29.0	17.0
23545 1994 AC	14.5	X	235.46449	160.96649	255.09665	3.15636	0.0930483	0.30659480	2.1781755	21	7 5.3	17.0
23546 1994 AV_{10}	15.4	X	121.52351	67.74940	340.96218	4.31616	0.1330149	0.29303813	2.2448464	21	2 13.2	18.0
23547 Tognelli	13.7	X	155.59373	184.69821	146.79628	10.06764	0.1536231	0.21466451	2.7624592	21	1 2.4	18.0
23548 1994 EF_2	17.5	X	331.70045	124.31441	345.86948	23.43583	0.5173805	0.28441672	2.2899850	21	—	—
23549 Epicles	11.7	X	70.84522	71.75635	123.98407	9.04496	0.0450212	0.08156375	5.2658837	21	6 22.3	18.6
23550 1994 GK_9	14.7	X	9.17648	337.05235	226.61099	5.86121	0.1297109	0.29104225	2.2550977	21	3 10.4	16.7
23551 1994 GO_9	14.1	X	211.85786	229.37495	95.96266	8.85728	0.1862800	0.28455519	2.2892420	21	2 9.1	17.8
23552 1994 NB	13.6	X	172.29055	95.10842	126.77286	23.77186	0.2777415	0.27119006	2.3638516	21	11 29.2	18.2
23553 1994 PL_4	14.4	X	50.09091	153.52995	152.23449	8.67452	0.1302730	0.25988368	2.4319243	21	11 8.5	17.6
23554 1994 PJ_{11}	14.6	X	92.74181	310.12838	308.75862	1.51608	0.1895008	0.26071825	2.4267317	21	10 31.2	18.3
23555 1994 PP_{15}	15.0	X	71.30058	201.25746	193.04796	2.11374	0.0102601	0.23306663	2.6150660	21	—	—
23556 1994 PY_{25}	15.0	X	170.33835	211.87728	118.81484	1.32292	0.1051331	0.23733408	2.5836240	21	1 7.8	18.6
23557 1994 PU_{26}	15.3	X	174.88704	188.40237	120.98250	2.87563	0.1804163	0.23634808	2.5908046	21	—	—
23558 1994 PW_{26}	14.5	X	244.67122	262.86496	143.07539	9.24204	0.2585487	0.21331639	2.7740859	21	6 16.8	19.1
23559 1994 PD_{32}	14.6	X	343.31538	321.85686	234.01136	3.54369	0.1416788	0.24160506	2.5530855	21	1 24.7	17.7
23560 1994 RX_8	14.9	X	63.83565	113.76858	350.40405	7.54322	0.2444034	0.19862414	2.9092522	21	3 8.1	17.8
23561 1994 RM_{12}	14.1	X	239.04495	181.32334	141.37509	14.33540	0.1688685	0.24274435	2.5450909	21	3 6.8	18.3
23562 1994 TR_1	14.5	X	222.11403	119.83896	205.78956	12.11202	0.3005246	0.24057327	2.5603803	21	2 16.3	19.4
23563 1994 UP_8	14.8	X	309.79769	24.87975	315.86177	1.93908	0.0834005	0.21171983	2.7880145	21	7 4.9	18.4
23564 Ungaretti	14.1	X	83.45485	273.96291	98.17048	3.52582	0.0681151	0.19051836	2.9911957	21	—	—
23565 1994 WB	13.9	X	177.98785	314.20360	35.00804	13.39808	0.2038768	0.23889491	2.5723582	21	2 19.8	18.4
23566 1994 WS_1	13.7	X	29.74775	159.18124	280.82952	8.90623	0.1602056	0.18835009	3.0141081	21	—	—
23567 1994 YG	14.7	X	351.09401	38.64662	30.12124	0.95082	0.2398154	0.18437603	3.0572649	21	—	—
23568 1994 YU	13.7	X	159.68351	60.90612	286.43814	9.79418	0.1152226	0.19121214	2.9839559	21	1 24.6	18.3
23569 1994 YF_1	13.5	X	37.67957	174.46166	290.63553	8.95237	0.0316830	0.19039920	2.9924436	21	1 9.9	17.4
23570 1995 AA	14.2	X	313.52733	159.53629	314.92995	9.47844	0.1887363	0.18269627	3.0759759	21	12 24.9	17.6
23571 Zuaboni	13.4	X	307.41720	184.11249	52.00419	16.45570	0.1288511	0.23823155	2.5771312	21	2 7.7	17.3
23572 1995 AS_2	14.0	X	308.04550	153.86587	293.14420	7.98692	0.0262181	0.17850125	3.1239821	21	11 19.3	18.4
23573 1995 BG	13.2	X	140.04720	242.82393	136.04478	10.37243	0.0970377	0.19023120	2.9942051	21	2 10.2	17.6
23574 1995 BX	13.8	X	25.73545	23.71606	33.51772	1.44781	0.1859426	0.18352415	3.0667184	21	—	—
23575 1995 BE_2	13.9	X	299.01710	64.81635	133.08886	11.46755	0.0544925	0.18621626	3.0370899	21	—	—
23576 1995 DZ_3	13.0	X	96.90539	13.23517	321.02761	16.89151	0.2618842	0.17966967	3.1104236	21	—	—
23577 1995 DY_8	14.3	X	21.46196	148.07817	133.33696	2.12326	0.1722248	0.16178857	3.3355759	21	8 13.5	18.3
23578 Baedeker	13.7	X	263.77620	61.57033	125.52750	1.77326	0.1510792	0.17958288	3.1114257	21	—	—
23579 1995 EN_5	14.5	X	216.33096	349.12989	164.72664	18.60454	0.1765528	0.17288002	3.1913383	21	10 8.3	19.7
23580 1995 OZ_2	16.2	X	328.39441	201.85038	257.87943	6.15300	0.0729229	0.27763684	2.3271158	21	—	—
23581 1995 OE_5	15.3	X	15.59567	232.14971	142.44945	2.88930	0.0822073	0.27246075	2.3564963	21	12 15.6	17.9
23582 1995 QA_3	14.4	X	168.89853	337.41995	339.98750	7.49490	0.1069081	0.28172627	2.3045413	21	—	—
23583 Křivský	15.1	X	180.14495	63.13208	351.56791	4.05587	0.2032333	0.25255742	2.4787304	21	5 3.5	19.3
23584 1995 SB_{31}	15.1	X	319.94486	254.06117	356.60803	5.52678	0.1089096	0.29260182	2.2470774	21	3 3.3	17.6
23585 1995 SD_{53}	15.3	X	285.27405	206.84260	178.84515	5.42623	0.1513078	0.26197100	2.4189891	21	7 19.5	18.2
23586 1995 TA_1	15.4	X	141.63943	7.23423	177.19894	1.85599	0.0692242	0.26155106	2.4215776	21	9 8.4	18.7
23587 Abukumado	14.0	X	134.75272	171.88404	178.75478	7.54209	0.2183550	0.28017362	2.3130475	21	—	—
23588 1995 UX_3	14.5	X	333.42019	356.52039	18.09054	6.66303	0.1289890	0.26372325	2.4082622	21	10 5.4	16.5
23589 1995 UR_6	15.5	X	120.67478	115.65578	150.78119	5.23438	0.1214894	0.27116889	2.3639746	21	12 5.3	19.0
23590 1995 UD_{34}	15.6	X	39.57520	353.95476	82.58569	4.43939	0.1057799	0.23845804	2.5754991	21	—	—
23591 1995 UP_{44}	14.2	X	136.16197	65.13008	238.76850	5.79672	0.1258507	0.27545017	2.3394154	21	—	—
23592 1995 UB_{47}	13.5	X	330.79941	207.01691	211.53870	9.83703	0.0871286	0.19086195	2.9876048	21	11 17.7	17.2
23593 1995 VJ	14.9	X	36.89920	52.78371	42.45005	3.06102	0.1348622	0.23844416	2.5755991	21	—	—
23594 1995 VJ_2	14.4	X	229.20505	334.67734	67.22999	15.40719	0.1156856	0.25407899	2.4688245	21	6 6.0	17.9
23595 1995 VR_{11}	14.8	X	99.02143	99.03015	174.88633	5.72325	0.1598578	0.26790788	2.3831190	21	11 25.4	18.4
23596 1995 WQ	14.6	X	96.90651	29.15000	26.07208	3.24635	0.2305799	0.24072960	2.5592716	21	2 14.2	17.6
23597 1995 WY_4	15.2	X	8.60323	305.17927	90.78148	3.26739	0.2176452	0.26876892	2.3780265	21	—	—
23598 1995 WL_{13}	14.0	X	228.13625	275.17465	134.76054	4.15555	0.0789771	0.25455389	2.4657529	21	6 19.8	17.4
23599 1995 XV	14.9	X	145.05362	299.36529	97.33477	3.73860	0.1982232	0.24375137	2.5380763	21	3 14.2	18.8
23600 1995 XC_1	14.9	X	266.85403	176.55227	304.98528	3.36644	0.1751965	0.22467051	2.6798182	21	10 26.3	18.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
23601 1995 YC_5	15.0	X	183.54530	191.96674	90.12015	3.16629	0.2206613	0.27652609	2.3333433	21	—	—
23602 1995 YK_{20}	14.4	X	107.23171	352.40991	282.91643	5.57560	0.0727261	0.22143382	2.7058689	21	11 20.0	18.4
23603 1995 YM_{23}	15.0	X	353.12893	46.03606	68.13724	12.14833	0.2064243	0.23403280	2.6078637	21	—	—
23604 1996 AL	13.8	X	1.56099	29.08932	113.04576	16.04009	0.1807914	0.19580372	2.9371227	21	—	—
23605 1996 AP	13.9	X	95.18627	290.21008	109.01502	13.51450	0.1725028	0.23603935	2.5930632	21	1 11.6	16.8
23606 1996 AS_1	18.0	X	199.48668	357.55481	296.64388	14.36031	0.3610511	0.42563820	1.7502859	21	—	—
23607 1996 AR_2	13.7	X	0.06427	67.68692	314.82331	12.01001	0.2026796	0.22311767	2.6922377	21	12 3.9	16.7
23608 Alpiapuane	13.7	X	336.21642	95.08349	153.39255	13.50607	0.1302816	0.24132821	2.5550377	21	4 2.5	16.7
23609 1996 AU_6	15.0	X	304.41838	350.95095	65.59921	3.46831	0.0665724	0.21980269	2.7192390	21	10 12.9	18.4
23610 1996 AW_7	14.7	X	178.86188	163.23539	354.82229	3.18331	0.0364630	0.21608910	2.7503047	21	9 14.3	18.4
23611 1996 BO_3	14.5	X	227.28274	335.83375	136.25860	13.01226	0.0962323	0.21575547	2.7531392	21	9 9.3	18.5
23612 Ramzel	13.8	X	101.29022	244.39669	102.03114	13.45424	0.2057607	0.22956220	2.6416126	21	—	—
23613 1996 EK_6	13.8	X	133.79149	121.86090	173.30608	7.41075	0.1074880	0.22168202	2.7038488	21	—	—
23614 1996 FX	14.6	X	347.57675	324.29847	178.24076	12.41890	0.1538814	0.19115644	2.9845356	21	—	—
23615 1996 FK_{12}	14.7	X	8.42471	244.53002	26.48794	22.67781	0.1003001	0.35904333	1.9605209	21	7 3.3	16.8
23616 1996 HY_{10}	14.0	X	248.88605	175.56470	40.73784	9.97252	0.0422984	0.18326986	3.0695546	21	—	—
23617 Duna	12.9	X	322.09099	193.96169	210.70112	17.27584	0.1041172	0.17221178	3.1995886	21	10 11.3	17.0
23618 1996 JS_5	14.0	X	130.64328	113.65159	168.29662	3.74810	0.1023071	0.17658277	3.1465683	21	12 17.6	18.9
23619 1996 JX_7	14.5	X	293.12385	52.24950	105.08014	2.78441	0.2190429	0.18424969	3.0586624	21	—	—
23620 1996 LS_2	13.2	X	181.99644	203.15058	103.62107	9.84056	0.1868035	0.18174403	3.0867108	21	1 5.5	18.4
23621 1996 PA	15.6	X	185.63714	153.38980	143.75753	19.34769	0.2989264	0.37502608	1.9044156	21	—	—
23622 1996 RW_{29}	11.4	X	293.72660	322.98124	146.53486	13.03168	0.0336662	0.08497450	5.1240140	21	11 17.1	18.3
23623 1996 TR_{29}	15.9	X	137.09690	225.26026	212.93094	4.80621	0.1028894	0.29844484	2.2176517	21	4 9.4	18.6
23624 1996 UX_3	11.6	X	317.18697	235.34701	211.14196	19.92643	0.1621367	0.08248547	5.2265819	21	11 4.9	17.8
23625 Gelfond	16.0	X	87.56048	47.50372	46.19280	6.88004	0.1112422	0.29357415	2.2421131	21	2 25.1	18.3
23626 1996 XD_3	15.0	X	320.25681	76.46651	131.05300	2.21983	0.0671015	0.28818540	2.2699767	21	1 9.5	17.6
23627 1996 XG_{19}	15.0	X	65.15298	345.91768	153.10795	3.32021	0.1081581	0.29255638	2.2473101	21	3 23.0	17.0
23628 Ichimura	15.0	X	26.94520	137.20773	90.91554	7.11907	0.0896775	0.29789722	2.2203686	21	5 29.4	16.9
23629 1996 YR	15.5	X	167.62258	298.54105	100.10052	7.05384	0.1674661	0.29442863	2.2377730	21	4 1.9	18.9
23630 1996 YA_3	15.9	X	339.21870	44.59185	59.56356	1.52719	0.0474208	0.27967032	2.3158217	21	—	—
23631 1997 AG	14.7	X	26.03941	99.97104	315.53982	3.97802	0.0771568	0.27920654	2.3183855	21	—	—
23632 1997 AQ	15.0	X	127.50106	300.94713	118.19918	7.92602	0.1228723	0.29077215	2.2564940	21	3 9.0	17.8
23633 1997 AF_3	15.2	X	245.13442	103.99865	34.48715	5.15544	0.1289488	0.27071738	2.3666023	21	11 4.2	17.9
23634 1997 AY_3	14.8	X	5.78869	287.47186	145.79383	5.23738	0.1385727	0.27838125	2.3229654	21	—	—
23635 1997 AH_4	16.1	X	292.97484	107.84776	317.23512	1.56330	0.1870130	0.26939197	2.3743584	21	9 24.9	18.2
23636 1997 AJ_4	14.4	X	56.47673	307.56830	279.50771	5.95070	0.1201035	0.29824223	2.2186559	21	7 24.8	16.7
23637 1997 AM_6	15.4	X	38.78711	315.24958	101.35956	7.85204	0.0827141	0.28148395	2.3058637	21	—	—
23638 Nagano	15.7	X	298.32775	1.25501	124.80785	5.53702	0.0747368	0.27489517	2.3425632	21	—	—
23639 1997 AN_7	14.5	X	25.56142	264.51629	222.78390	2.45168	0.1220179	0.28498348	2.2869478	21	—	—
23640 1997 AY_7	14.3	X	95.32317	31.88384	298.82812	6.37052	0.1277318	0.27557590	2.3387038	21	—	—
23641 1997 AU_{10}	14.8	X	269.86701	233.15126	334.51708	6.70764	0.0712150	0.28025982	2.3125732	21	—	—
23642 1997 AD_{15}	15.7	X	359.10116	324.55310	89.36010	4.93093	0.1578812	0.27717121	2.3297213	21	—	—
23643 1997 AQ_{15}	14.9	X	215.73167	287.35314	67.09013	3.98964	0.2103419	0.29477061	2.2360419	21	3 19.5	18.5
23644 Yamaneko	15.4	X	165.60127	113.00623	78.09631	2.13677	0.1291847	0.26599412	2.3945359	21	10 15.2	18.9
23645 1997 BJ_2	15.3	X	259.27974	119.50145	121.21207	6.50875	0.0834463	0.28211243	2.3024378	21	—	—
23646 1997 BX_2	15.5	X	256.09401	354.90084	115.90221	8.35313	0.0670207	0.26805435	2.3822508	21	10 26.4	18.5
23647 1997 BR_3	14.8	X	37.41788	290.94660	341.58413	21.66463	0.2478726	0.25672894	2.4518064	21	9 15.6	17.4
23648 Kolář	14.1	X	85.57989	191.81082	156.41527	11.35256	0.2797375	0.27381170	2.3487388	21	—	—
23649 Tohoku	15.7	X	138.01319	306.86479	289.95211	0.43478	0.1521886	0.26719921	2.3873308	21	11 14.2	19.3
23650 Čvančara	15.9	X	254.97102	24.09225	136.90595	5.40060	0.0927353	0.27370453	2.3493518	21	12 25.9	18.5
23651 1997 CN_{12}	15.2	X	172.76690	180.73437	144.34554	7.78200	0.1386699	0.24083159	2.5585490	21	1 5.5	19.2
23652 1997 CW_{19}	15.5	X	155.40149	75.27107	118.86946	3.26548	0.1307522	0.26353194	2.4094276	21	10 9.5	19.2
23653 1997 CE_{21}	15.1	X	218.16573	199.86303	135.30928	3.94216	0.1864259	0.28762827	2.2729070	21	2 24.9	18.8
23654 1997 CC_{26}	15.5	X	275.05890	30.33714	26.21710	2.97005	0.1776824	0.26670601	2.3902730	21	8 16.4	18.2
23655 1997 CG_{26}	15.1	X	190.15067	134.43249	46.63709	4.73006	0.1112134	0.26628642	2.3927833	21	10 28.3	18.5
23656 1997 CK_{26}	14.9	X	203.12058	139.77635	62.73749	6.45602	0.0570186	0.27013533	2.3700006	21	12 15.9	17.9
23657 1997 CB_{28}	14.5	X	123.74485	235.15610	129.80150	5.59715	0.1122831	0.28160320	2.3052127	21	—	—
23658 1997 CC_{28}	15.8	X	172.49723	2.54232	115.60259	2.41206	0.1297020	0.25911349	2.4367410	21	7 17.5	19.4
23659 1997 EH	14.9	X	183.15088	66.65288	79.00043	3.51930	0.1161472	0.26149868	2.4219009	21	9 5.3	18.4
23660 1997 ED_5	15.5	X	36.48918	262.23256	180.70355	4.42145	0.1962775	0.23926166	2.5697289	21	—	—
23661 1997 EL_{16}	16.0	X	335.75831	350.71663	183.00753	1.21295	0.1425841	0.23998777	2.5645430	21	—	—
23662 1997 ES_{17}	14.1	X	31.21190	6.10759	292.53995	3.73359	0.2329839	0.25921893	2.4360801	21	10 13.5	16.7
23663 Kalou	15.0	X	211.75214	30.41908	128.84315	7.08625	0.0630111	0.26632321	2.3925630	21	11 1.5	18.3
23664 1997 EP_{25}	14.6	X	69.36063	122.09628	351.90697	2.23839	0.0902668	0.28806093	2.2706305	21	2 18.9	16.7
23665 1997 EU_{46}	14.7	X	47.55208	9.07245	246.54542	1.53804	0.1484060	0.25419788	2.4680546	21	8 24.8	17.3
23666 1997 FT_1	14.4	X	54.58364	289.07049	114.27794	12.46815	0.1491593	0.23189292	2.6238825	21	—	—
23667 Savinakim	14.6	X	79.51480	257.64178	202.46573	12.39199	0.1487105	0.24404852	2.5360156	21	3 1.6	17.6
23668 Eunbekim	15.2	X	116.03143	172.92985	2.16335	2.33918	0.1298141	0.25517262	2.4617654	21	8 2.7	18.8
23669 Huihuifan	14.9	X	149.00189	348.31558	13.41246	2.30186	0.1123950	0.23869105	2.5738227	21	1 24.1	18.6
23670 1997 GX_{14}	14.6	X	175.29537	298.12045	6.18040	11.42483	0.2005946	0.23254648	2.6189640	21	—	—
23671 1997 GX_{18}	15.4	X	30.12252	209.25816	264.76431	1.67219	0.1577979	0.23985262	2.5655062	21	—	—
23672 Swiggum	14.5	X	141.93427	76.52550	209.76567	11.88507	0.1733013	0.22560549	2.6724091	21	—	—
23673 Neilmehta	14.8	X	8.33770	39.84944	67.63211	4.74618	0.2261359	0.23580824	2.5947573	21	—	—
23674 Juliebaker	14.6	X	203.42758	264.54078	42.22988	13.14523	0.1739679	0.23428104	2.6060213	21	1 17.6	19.1
23675 Zabinski	14.3	X	345.93739	329.56434	205.27601	15.04026	0.0650370	0.23829121	2.5767010	21	1 10.4	17.9
23676 1997 GR_{25}	14.6	X	88.86864	216.59039	69.90116	3.62079	0.1738162	0.26122197	2.4236110	21	11 30.2	18.3
23677 1997 GV_{32}	14.3	X	214.82095	327.54471	12.13510	13.56610	0.1928831	0.24162654	2.5529342	21	3 7.9	18.6
23678 1997 GW_{32}	15.0	X	151.78530	336.35345	335.89921	1.76723	0.1087726	0.23200295	2.6230529	21	—	—
23679 Andrewmoore	14.3	X	182.04026	112.76498	197.38530	13.28785	0.1133306	0.23507650	2.6001390	21	—	—
23680 Kerryking	14.6	X	185.11802	131.43165	44.95021	2.95545	0.1245394	0.26320525	2.4114209	21	10 15.8	18.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
23681 Prabhu	14.7	X	130.19853	198.11116	88.90134	3.73174	0.0395935	0.22556011	2.6727675	21	12 29.9	18.5
23682 1997 GT_{40}	14.6	X	229.59945	232.39358	97.19103	3.33286	0.0673103	0.20049532	2.8911229	21	3 15.6	18.9
23683 1997 HO_{1}	15.0	X	13.93523	196.37905	231.26716	1.11255	0.1537728	0.23321363	2.6139670	21	—	—
23684 1997 HB_{10}	15.1	X	355.51313	313.16760	103.79438	2.89247	0.0216225	0.22579983	2.6708755	21	12 24.8	18.5
23685 Toaldo	15.1	X	348.76505	39.18238	62.92974	11.51962	0.1705362	0.23358602	2.6111881	21	—	—
23686 Songyuan	13.8	X	150.57201	60.24659	206.83058	12.84178	0.1714347	0.22387519	2.6861612	21	12 24.8	18.4
23687 1997 JA_{11}	12.9	X	3.79891	232.95418	149.43829	14.95485	0.2984814	0.17584918	3.1553133	21	12 13.9	16.4
23688 Josephjoachim	13.6	X	234.80300	268.18312	47.57390	14.53074	0.1768757	0.23852292	2.5750321	21	2 28.3	18.1
23689 Jancuypers	13.7	X	95.88450	355.44085	52.84909	9.08750	0.1681873	0.23549483	2.5970589	21	1 26.9	16.9
23690 1997 JD_{14}	13.9	X	202.80703	165.50084	208.56601	14.07113	0.0156548	0.24273526	2.5451544	21	4 3.1	17.4
23691 Jefneve	13.9	X	164.85993	151.98820	196.63571	4.18037	0.1752837	0.23349984	2.6118305	21	1 29.7	18.0
23692 1997 KA	12.8	X	176.75922	62.79600	254.02132	12.93012	0.1486949	0.22785155	2.6548178	21	1 1.6	17.0
23693 1997 KU_{2}	13.9	X	344.06643	27.67493	130.25281	13.79762	0.1098167	0.23522578	2.5990388	21	—	—
23694 1997 KZ_{3}	11.4	X	295.13049	224.52258	81.63222	9.78169	0.0374057	0.08266317	5.2190886	21	5 15.5	18.3
23695 1997 MS_{4}	13.0	X	34.61453	268.32024	89.37698	9.62571	0.2214256	0.17367252	3.1816224	21	12 18.3	17.2
23696 1997 MV_{4}	13.5	X	125.57225	244.44092	111.73206	9.75572	0.0661736	0.18621943	3.0370554	21	—	—
23697 1997 MK_{9}	15.0	X	148.39655	319.14296	179.78571	9.46017	0.0792108	0.21002443	2.8029983	21	7 14.9	19.4
23698 1997 NA_{3}	14.2	X	181.26207	11.30249	268.34768	2.32409	0.0849788	0.18399113	3.0615272	21	—	—
23699 Paulgordan	15.1	X	84.03754	32.30779	292.92003	15.51245	0.1590088	0.17620100	3.1511117	21	12 27.9	20.0
23700 1997 OZ	14.5	X	155.87677	229.78525	82.91630	2.71549	0.1839273	0.18221836	3.0813518	21	—	—
23701 Liqibin	14.1	X	173.08572	223.52085	65.24022	1.50134	0.1654499	0.17988789	3.1079075	21	—	—
23702 1997 QE_{1}	13.5	X	3.83358	3.03235	91.39033	16.31502	0.1396981	0.23079368	2.6322074	21	—	—
23703 1997 RJ_{1}	13.7	X	39.03444	236.77122	127.59019	6.40044	0.1283224	0.17137709	3.2099693	21	12 18.6	18.1
23704 1997 SD_{10}	15.2	X	154.37074	259.92055	100.56850	2.53334	0.1991841	0.26570987	2.3962434	21	2 2.2	18.7
23705 1997 SQ_{14}	14.1	X	141.16776	59.47847	230.20216	5.68939	0.1381271	0.25676889	2.4515520	21	—	—
23706 1997 SY_{32}	12.2	X	351.13580	8.75394	21.80362	6.79980	0.0916117	0.08203155	5.2458448	21	10 23.9	18.6
23707 Chambliss	12.9	X	125.72413	286.45095	50.02829	16.89455	0.2382231	0.17823640	3.1270760	21	—	—
23708 1997 TR_{18}	13.1	X	91.86271	288.14754	200.07762	9.47420	0.0472521	0.19109231	2.9852033	21	4 22.0	17.2
23709 1997 TA_{28}	11.6	X	14.27402	335.70138	37.93146	10.69298	0.0844159	0.08424050	5.1537353	21	11 4.8	18.0
23710 1997 UJ	12.2	X	350.38718	205.39530	224.11448	11.06816	0.0626226	0.08357804	5.1809325	21	12 5.6	18.8
23711 1997 UT_{2}	13.1	X	137.82487	264.37124	23.13034	16.96289	0.2199894	0.17490111	3.1667054	21	—	—
23712 Willpatrick	13.7	X	232.46148	85.35380	246.37973	23.49933	0.2464070	0.26923656	2.3752721	21	2 21.7	18.4
23713 1998 EQ_{2}	16.3	X	246.36896	197.59004	10.30988	6.31365	0.0944756	0.28401012	2.2921701	21	—	—
23714 1998 EC_{3}	16.7	X	144.02497	128.97727	127.85148	8.39922	0.5167268	0.31759732	2.1275748	21	12 15.5	21.3
23715 1998 FK_{2}	14.7	X	59.74028	177.28258	182.32832	22.18825	0.0820039	0.36727935	1.9311012	21	—	—
23716 1998 FA_{107}	15.6	X	191.09880	326.72801	322.26527	7.69034	0.2156159	0.28534577	2.2850117	21	—	—
23717 Kaddoura	14.8	X	194.32264	81.21217	247.08609	4.56781	0.1548874	0.29062320	2.2572649	21	1 22.6	18.2
23718 Horgos	14.8	X	172.16425	318.60299	324.60972	1.43828	0.1904329	0.23971020	2.5665223	21	—	—
23719 1998 HG_{23}	16.0	X	1.21405	288.45858	77.15310	2.60232	0.0455395	0.31706349	2.1299622	21	11 15.7	18.0
23720 1998 HG_{26}	15.0	X	23.67675	233.98302	127.39971	3.73953	0.2011797	0.27186577	2.3599331	21	12 27.8	17.7
23721 1998 HQ_{27}	14.5	X	148.90414	94.64551	233.64014	4.94327	0.2291786	0.28541740	2.2846294	21	—	—
23722 Gulak	14.9	X	136.88694	125.58883	221.57148	4.13442	0.1899616	0.28645782	2.2790941	21	—	—
23723 1998 HG_{40}	16.2	X	53.17923	177.82155	50.25457	3.96220	0.1092801	0.30579589	2.1819675	21	7 21.1	18.3
23724 1998 HW_{41}	15.9	X	206.06045	223.63579	127.78179	3.85622	0.1676856	0.29459944	2.2369079	21	3 6.1	19.4
23725 1998 HH_{43}	15.5	X	136.65875	157.12455	118.46051	6.03732	0.2383247	0.27520989	2.3407769	21	12 31.1	19.6
23726 1998 HG_{48}	15.0	X	2.20485	245.04720	87.48436	6.35935	0.2468854	0.30959323	2.1640888	21	10 28.2	16.3
23727 Akihasan	15.1	X	328.70604	222.49825	74.11155	4.28586	0.1822511	0.30060926	2.2069940	21	5 12.8	17.0
23728 Jasonmorrow	14.2	X	132.63809	57.50259	49.63879	7.46914	0.0912934	0.25984327	2.4321764	21	5 16.1	17.3
23729 Kemeisha	14.4	X	111.35143	339.77840	20.44088	5.88478	0.1884290	0.28357439	2.2945175	21	—	—
23730 Suncar	15.5	X	138.47986	44.90667	16.04973	3.87307	0.1372108	0.29639919	2.2278437	21	3 24.1	18.4
23731 1998 HA_{93}	14.9	X	308.83890	330.08362	9.20802	2.12647	0.2074305	0.26076439	2.4264454	21	6 9.5	17.5
23732 Choiseungjae	15.2	X	91.36399	263.30648	85.64627	5.29423	0.1776258	0.27929221	2.3179114	21	—	—
23733 Hyojiyun	14.7	X	22.34838	212.84382	80.53243	7.84996	0.1155620	0.26465716	2.4025934	21	9 8.5	17.3
23734 Kimgyehyun	14.5	X	224.68525	251.00021	126.81533	6.20924	0.1190662	0.29921013	2.2138687	21	4 30.3	17.7
23735 Cohen	15.3	X	35.55699	296.36649	113.39528	6.21265	0.1515322	0.28542287	2.2846001	21	—	—
23736 1998 HO_{148}	15.1	X	97.44675	263.12623	30.87132	2.29465	0.1049566	0.31547010	2.1371282	21	12 22.3	17.8
23737 1998 HW_{150}	14.6	X	114.03163	205.97547	162.41540	5.14194	0.2381873	0.28250100	2.3003260	21	—	—
23738 1998 JZ_{1}	14.5	X	80.57156	246.75457	41.14159	5.81316	0.2912555	0.31141165	2.1556561	21	12 9.7	18.1
23739 Kevin	14.8	X	273.92177	84.35305	233.43625	4.71372	0.1711764	0.29655624	2.2270570	21	3 24.9	18.0
23740 1998 KP_{3}	14.8	X	68.71410	105.07112	228.45766	5.82365	0.1359217	0.27246625	2.3564645	21	—	—
23741 Takaaki	14.9	X	348.93405	178.77887	165.05607	2.77991	0.1734735	0.26472534	2.4021809	21	9 20.9	16.8
23742 Okadatatsuaki	15.7	X	263.59668	12.28289	212.96860	4.56990	0.1419121	0.28552301	2.2840659	21	—	—
23743 Toshikasuga	15.5	X	197.56527	207.96873	92.27338	6.23925	0.1473592	0.28459359	2.2890361	21	—	—
23744 Ootsubo	14.8	X	222.08025	204.33865	131.72662	2.95310	0.1908219	0.29071283	2.2568009	21	3 1.1	18.3
23745 Liadawley	15.7	X	264.29207	205.48817	100.65589	6.07046	0.1676470	0.29396573	2.2401215	21	3 4.8	19.0
23746 1998 KQ_{19}	15.0	X	46.06129	126.78694	172.03052	4.45811	0.1847628	0.30966247	2.1637662	21	11 8.6	17.5
23747 Rahaelgupta	15.2	X	347.21629	229.32752	122.75209	3.53631	0.1897324	0.26579658	2.3957222	21	10 3.5	16.9
23748 Kaarethode	14.7	X	228.45482	357.23397	287.41397	5.38058	0.1677723	0.28676874	2.2774465	21	1 2.1	18.2
23749 Thygesen	14.8	X	258.71697	8.77830	292.56604	4.99947	0.1591826	0.29183904	2.2509912	21	2 17.7	18.1
23750 Stepciechan	15.1	X	54.51295	64.54650	241.23339	5.79189	0.1123789	0.26860474	2.3789954	21	11 9.5	18.1
23751 Davidprice	14.2	X	33.06222	240.42212	206.19608	5.92315	0.0697669	0.28434617	2.2903637	21	—	—
23752 Jacobshapiro	15.7	X	257.65317	62.06840	162.34364	1.07087	0.1622085	0.28463075	2.2888368	21	—	—
23753 Busdicker	15.4	X	19.78068	270.21128	317.32813	3.64289	0.0873024	0.29903546	2.2147307	21	5 11.5	17.4
23754 Rachnareddy	15.5	X	198.70401	10.54984	230.95169	3.73959	0.1865750	0.27889906	2.3200892	21	—	—
23755 Sergiolozano	15.4	X	210.23609	196.21598	73.53788	2.97490	0.1354361	0.28257145	2.2999437	21	—	—
23756 Daniellozano	15.2	X	228.52779	31.11295	228.29323	3.23145	0.1409231	0.28373018	2.2936775	21	—	—
23757 Jonmunoz	14.8	X	170.98963	245.20604	116.31776	7.05549	0.1447093	0.28715163	2.2754215	21	2 12.6	18.1
23758 Guyuzhou	14.6	X	80.29477	184.05952	162.85496	6.06038	0.1360223	0.27587534	2.3370112	21	—	—
23759 Wangzhaoxin	15.5	X	221.09673	207.82543	163.05273	3.71428	0.1404699	0.29822979	2.2187177	21	4 14.7	18.8
23760 1998 KM_{61}	15.7	X	58.45195	101.08586	145.37932	5.27779	0.1334291	0.30506623	2.1854454	21	8 31.7	18.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
23761 Yangliqing	15.4	X	215.66682	98.80047	98.82295	6.99004	0.0545832	0.27737168	2.3285986	21	12 27.7	18.3
23762 1998 KF_{64}	15.6	X	95.24795	122.05741	174.73212	5.76127	0.1320265	0.27221106	2.3579371	21	12 17.9	19.1
23763 1998 MP_{7}	14.6	X	352.01519	87.00531	224.48038	5.22513	0.1672986	0.25776030	2.4452618	21	7 31.9	16.8
23764 1998 MR_{15}	14.7	X	117.50570	185.02708	176.49356	14.25436	0.1942043	0.23766472	2.5812272	21	—	—
23765 1998 MN_{16}	14.0	X	116.56590	273.37670	114.85258	14.22471	0.1748413	0.23626456	2.5914152	21	1 28.0	17.3
23766 1998 MZ_{23}	13.3	X	276.67845	80.91664	293.09167	5.54104	0.1502942	0.25416889	2.4682423	21	6 21.8	16.5
23767 1998 MG_{31}	14.5	X	285.82559	181.47254	119.49370	4.28426	0.1813671	0.29222726	2.2489971	21	3 18.8	17.5
23768 Abu–Rmaileh	14.5	X	269.53530	355.62869	243.55545	4.16991	0.0995883	0.28407533	2.2918193	21	—	—
23769 Russellbabb	14.2	X	152.38195	18.28574	104.24866	8.27426	0.1102196	0.25520449	2.4615604	21	7 1.2	17.8
23770 1998 MQ_{35}	15.9	X	277.04746	183.00653	90.99228	6.24882	0.2135002	0.28874355	2.2670504	21	1 30.7	19.4
23771 Emaitchar	14.8	X	136.91556	245.89788	64.54240	4.20541	0.2113194	0.27442252	2.3452522	21	—	—
23772 Masateru	14.9	X	180.69683	179.77868	95.17578	5.51364	0.0787554	0.27649908	2.3334953	21	—	—
23773 Sarugaku	13.9	X	283.03345	250.08459	103.03157	14.44348	0.1599818	0.25329643	2.4739068	21	6 2.1	17.3
23774 Herbelliott	14.5	X	126.21050	255.81530	82.85511	13.52201	0.1830442	0.23505231	2.6003174	21	—	—
23775 Okudaira	14.7	X	133.19575	119.99798	174.15386	15.48612	0.1866168	0.22858758	2.6491159	21	—	—
23776 Gosset	14.3	X	1.77811	96.77958	341.20887	2.31416	0.0508468	0.22699540	2.6614890	21	—	—
23777 Goursat	13.7	X	76.06101	114.23214	340.18758	9.94162	0.0969300	0.19422039	2.9530638	21	2 23.3	17.5
23778 1998 QO_{7}	13.6	X	118.79386	18.97037	333.59215	10.11161	0.2110797	0.18913054	3.0058105	21	1 2.2	18.0
23779 Cambier	14.9	X	199.54371	106.99448	162.99671	3.79296	0.1884378	0.23533484	2.5982358	21	—	—
23780 1998 QT_{10}	14.5	X	74.58597	215.64691	139.48456	14.30739	0.1878394	0.22721273	2.6597916	21	—	—
23781 1998 QT_{11}	14.1	X	36.62884	164.76172	158.79727	10.73055	0.1308010	0.17687101	3.1431488	21	10 30.9	18.3
23782 1998 QE_{12}	12.6	X	88.83506	271.19600	192.54148	9.26512	0.0942355	0.15598686	3.4177795	21	3 28.3	17.2
23783 Alyssachan	14.4	X	220.20573	11.50744	207.54921	6.06127	0.0744141	0.27344779	2.3508221	21	—	—
23784 1998 QW_{15}	14.6	X	133.98390	140.96222	223.80820	0.98899	0.1404536	0.19045797	2.9918280	21	1 22.4	19.0
23785 1998 QJ_{16}	13.4	X	213.28023	173.62752	283.86104	7.22536	0.1868017	0.21105764	2.7938430	21	7 26.6	17.9
23786 1998 QK_{16}	14.2	X	115.65229	26.59688	305.25949	12.81355	0.1767645	0.22957751	2.6414952	21	—	—
23787 1998 QC_{17}	13.9	X	199.53386	59.78395	127.67783	6.91481	0.0558810	0.26647596	2.3916486	21	11 23.4	17.1
23788 Cofer	14.4	X	242.01320	64.13647	237.84703	2.85119	0.1480179	0.28501144	2.2867983	21	2 4.4	18.0
23789 1998 QW_{18}	14.6	X	278.92586	262.46184	172.59310	12.45281	0.0615306	0.21734063	2.7397363	21	9 30.9	18.2
23790 1998 QK_{19}	14.0	X	48.35356	181.33456	122.12509	7.70637	0.1122500	0.26205030	2.4185010	21	11 1.1	17.1
23791 Kaysonconlin	13.8	X	177.02945	297.89424	317.32315	5.40613	0.1091702	0.27201895	2.3590471	21	—	—
23792 Alyssacook	14.5	X	191.35335	114.60439	164.01136	6.41577	0.1106331	0.27610310	2.3357258	21	—	—
23793 1998 QK_{26}	14.0	X	351.17599	187.36656	204.65942	0.41380	0.2002373	0.17627514	3.1502281	21	11 17.3	17.3
23794 1998 QG_{29}	15.1	X	108.62672	16.06223	206.05291	5.94734	0.1092043	0.25982794	2.4322721	21	9 22.3	18.7
23795 1998 QW_{32}	14.1	X	225.41501	201.32340	161.81010	11.65384	0.0866435	0.20248442	2.8721579	21	4 21.7	18.5
23796 1998 QK_{34}	13.2	X	155.71114	14.15555	334.50003	14.48835	0.1252996	0.23545690	2.5973378	21	1 20.2	17.1
23797 1998 QR_{36}	14.1	X	210.02111	131.12687	173.72698	12.73478	0.1552573	0.23779306	2.5802984	21	1 15.9	18.5
23798 Samagonzalez	14.9	X	47.30093	345.09609	206.12132	4.29996	0.0894421	0.29059627	2.2574044	21	5 8.7	16.9
23799 1998 QZ_{37}	14.5	X	213.99875	119.47317	150.24677	13.73151	0.1807952	0.23532994	2.5982719	21	—	—
23800 1998 QD_{38}	14.0	X	231.40890	273.76002	103.23538	2.59862	0.0613356	0.20474740	2.8509556	21	5 15.0	18.2
23801 Erikgustafson	14.9	X	83.20569	355.17357	250.36338	2.74086	0.1750234	0.25982625	2.4322826	21	10 1.9	18.4
23802 1998 QA_{39}	13.8	X	107.04648	349.67251	319.37411	12.89567	0.1673798	0.22585738	2.6704217	21	—	—
23803 1998 QE_{39}	14.0	X	56.80623	353.11960	18.96750	0.44919	0.2008455	0.18125533	3.0922566	21	—	—
23804 Haber	14.9	X	161.58811	262.39864	1.10230	6.15545	0.1083193	0.27071619	2.3666093	21	—	—
23805 1998 QB_{40}	14.0	X	12.38664	178.64600	161.22475	10.05304	0.1877673	0.21726727	2.7403530	21	10 29.3	17.0
23806 1998 QD_{40}	14.5	X	13.62172	346.11849	303.70860	3.34857	0.0355349	0.21142332	2.7906206	21	8 3.4	18.2
23807 1998 QM_{40}	13.9	X	107.69732	16.41730	312.88002	11.22729	0.1873565	0.22749957	2.6575555	21	—	—
23808 Joshuahammer	14.7	X	191.74676	186.85521	214.53832	1.74447	0.0596195	0.20211310	2.8756746	21	4 30.6	18.9
23809 Haswell	14.6	X	132.73597	229.68543	7.34438	6.90376	0.1091590	0.26400595	2.4065427	21	11 6.3	18.2
23810 1998 QO_{45}	14.1	X	29.50240	133.98585	182.85266	12.48403	0.0726349	0.25938532	2.4350382	21	10 14.4	16.9
23811 Connorivens	14.8	X	235.14613	279.47690	324.14391	3.59129	0.1383285	0.23377191	2.6098036	21	—	—
23812 Jannuzi	14.8	X	38.03368	144.37709	179.66374	4.74582	0.1162253	0.21841384	2.7307543	21	11 5.1	18.2
23813 1998 QT_{46}	13.4	X	68.23918	136.81638	206.82744	4.63628	0.0536891	0.18040032	3.1020194	21	12 20.2	17.9
23814 Bethanylynne	13.9	X	294.06247	347.49154	40.99909	1.56915	0.0717897	0.21219153	2.7838811	21	8 18.3	17.4
23815 1998 QF_{49}	13.7	X	297.27244	271.25321	147.74670	8.72594	0.2280634	0.21402687	2.7679433	21	9 11.5	16.8
23816 Rohitkamat	14.2	X	354.91189	327.20992	8.29571	8.30611	0.1490130	0.21447911	2.7640510	21	9 13.3	17.0
23817 Gokulk	14.1	X	331.25106	315.87567	353.12684	7.40691	0.1311353	0.25220368	2.4810476	21	6 17.4	16.8
23818 Matthewlepow	14.4	X	329.52794	217.17134	146.13770	5.73539	0.1739207	0.21345161	2.7729141	21	8 31.0	17.2
23819 Tsuyoshi	13.7	X	310.60693	108.59653	272.23468	3.36238	0.0813579	0.21195453	2.7859559	21	8 29.1	17.2
23820 1998 QT_{69}	14.7	X	176.50353	26.42627	225.27372	11.31812	0.1451894	0.22847080	2.6500185	21	12 30.9	19.1
23821 Morganmonroe	14.0	X	143.16621	154.51051	211.58517	8.69790	0.0829935	0.19256013	2.9700138	21	1 24.6	18.5
23822 1998 QC_{70}	13.9	X	55.14541	186.46041	239.86752	10.02494	0.0780242	0.18859986	3.0114465	21	—	—
23823 1998 QJ_{70}	12.5	X	336.00047	85.11667	289.15373	16.93926	0.1999640	0.17140478	3.2096236	21	9 10.5	16.4
23824 1998 QX_{72}	14.1	X	89.38277	151.59321	183.79992	15.53113	0.0722558	0.18255967	3.0775101	21	—	—
23825 1998 QD_{73}	14.2	X	53.77850	110.51229	194.06772	12.13517	0.1293367	0.21880103	2.7275317	21	11 3.5	17.9
23826 1998 QO_{73}	14.1	X	196.48189	92.27751	204.93401	14.44755	0.2190509	0.23570280	2.5955310	21	—	—
23827 1998 QG_{74}	13.8	X	14.74384	177.75313	218.41846	8.82323	0.1846916	0.17811665	3.1284775	21	12 31.8	17.8
23828 1998 QK_{76}	14.0	X	97.24207	74.47263	222.77399	13.11033	0.1994828	0.22311888	2.6922280	21	12 16.8	18.5
23829 1998 QR_{77}	13.7	X	263.36386	316.52069	214.22137	12.41169	0.1084768	0.22542310	2.6738504	21	—	—
23830 1998 QZ_{85}	13.2	X	92.30509	241.61091	324.35310	31.52769	0.3044418	0.21167317	2.7884242	21	8 27.5	17.8
23831 Mattmooney	13.9	X	135.25897	116.27821	246.21212	9.39922	0.1030767	0.19019257	2.9946106	21	1 14.9	18.4
23832 1998 QW_{89}	14.1	X	232.78368	339.04643	322.04509	15.18688	0.1541206	0.23883097	2.5728174	21	2 3.3	18.3
23833 Mowers	14.9	X	216.76853	258.70109	35.25213	6.10368	0.1949577	0.27984345	2.3148665	21	1 5.4	18.8
23834 Mukhopadhyay	15.3	X	154.85351	206.36575	67.75364	3.03036	0.1966556	0.27020742	2.3695791	21	—	—
23835 1998 QF_{91}	14.1	X	83.78889	291.42462	23.56481	12.86514	0.2049798	0.22255273	2.6967919	21	12 26.6	18.6
23836 1998 QS_{93}	14.5	X	174.54884	217.19320	140.97269	15.63292	0.2056876	0.23926333	2.5697169	21	2 22.2	18.7
23837 Matthewnanni	15.8	X	154.68684	272.67872	325.86291	1.52297	0.1704810	0.26859195	2.3790709	21	12 1.3	19.7
23838 1998 QB_{96}	14.0	X	210.28625	10.29213	207.25946	13.01985	0.1484426	0.22722867	2.6596672	21	12 23.2	18.1
23839 1998 QO_{100}	14.4	X	330.74250	296.59521	124.43002	5.66289	0.0585171	0.22003630	2.7173140	21	11 27.5	17.8
23840 1998 QP_{100}	14.3	X	282.15585	334.00172	52.26781	5.11931	0.0803974	0.21000711	2.8031524	21	7 28.7	18.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
23841 1998 QG_{102}	13.7	X	201.40475	294.63760	142.00786	5.88637	0.0732539	0.20629239	2.8367033	21	6 25.1	17.9
23842 1998 QM_{106}	13.7	X	8.53531	326.23234	13.92814	11.31530	0.1658098	0.21634019	2.7481763	21	10 15.0	16.5
23843 1998 QU_{106}	13.6	X	209.11737	326.93330	68.51144	4.52480	0.1715941	0.20215192	2.8753064	21	5 9.4	18.3
23844 Raghvendra	14.9	X	227.72250	152.95280	119.99814	9.15468	0.1784317	0.28088726	2.3091281	21	—	—
23845 1998 RB	14.4	X	307.55991	43.84099	197.30098	15.27441	0.0131097	0.24001083	2.5643787	21	2 20.8	18.1
23846 1998 RF	14.6	X	111.70999	198.10681	49.09276	8.33191	0.0539993	0.21753300	2.7381208	21	10 21.6	18.5
23847 1998 RC_{1}	13.6	X	221.59659	96.55692	203.05561	9.58511	0.0876413	0.19207270	2.9750365	21	1 26.7	18.3
23848 1998 RJ_{1}	13.3	X	291.81960	263.72343	166.67666	1.16911	0.1965233	0.17018008	3.2250039	21	9 16.7	17.3
23849 1998 RA_{19}	14.4	X	312.21308	7.19203	358.79461	12.66996	0.0486488	0.21302893	2.7765809	21	8 21.0	18.1
23850 Ramaswami	14.3	X	244.82911	279.12690	16.98979	8.26006	0.1975630	0.24112390	2.5564809	21	2 7.9	18.6
23851 Rottman–Yang	15.0	X	110.26907	146.15628	130.78431	3.05427	0.1648202	0.26589841	2.3951105	21	12 8.9	18.8
23852 Laurierumker	14.2	X	256.54067	331.51538	359.20824	1.71509	0.0515345	0.20169690	2.8796292	21	4 15.9	18.4
23853 1998 RZ_{35}	14.2	X	282.69089	354.56219	175.98650	12.95636	0.1016832	0.22841019	2.6504873	21	—	—
23854 Rickschaffer	14.9	X	141.92060	169.44741	96.13398	4.44276	0.1655387	0.26851497	2.3795256	21	12 23.3	18.5
23855 Brandonshih	14.9	X	3.65181	338.00191	26.22253	5.85104	0.0980885	0.21776111	2.7362084	21	11 2.3	18.0
23856 1998 RU_{47}	13.4	X	20.19503	298.38858	198.07791	12.42857	0.0585011	0.19149814	2.9809842	21	1 21.5	17.5
23857 1998 RT_{50}	13.7	X	176.23244	250.69703	349.81388	8.11617	0.1681747	0.26889637	2.3772750	21	12 23.9	17.4
23858 Ambrosesoehn	14.3	X	38.03963	166.32040	176.25355	5.67572	0.0348997	0.21923435	2.7239365	21	11 17.6	17.9
23859 1998 RX_{55}	14.7	X	219.67068	226.03209	342.98287	10.35980	0.1609733	0.22534345	2.6744804	21	12 22.2	18.7
23860 1998 RU_{56}	13.9	X	292.85088	273.45188	211.47610	3.26404	0.0680630	0.22245780	2.6975591	21	12 23.8	17.1
23861 Benjaminsong	14.4	X	293.59524	322.73143	349.85009	1.66133	0.0102448	0.20283821	2.8688171	21	5 15.2	18.4
23862 1998 RU_{59}	14.5	X	28.32376	295.88238	346.63954	11.49321	0.1638771	0.25531139	2.4608733	21	9 4.9	16.8
23863 1998 RB_{62}	13.5	X	148.95414	13.41062	353.11273	9.57488	0.0995119	0.19122202	2.9838531	21	2 7.6	18.0
23864 1998 RP_{64}	13.3	X	20.25027	205.86293	179.12864	23.18661	0.0827609	0.17767561	3.1336525	21	12 14.6	18.0
23865 Karlsorensen	13.7	X	136.57563	304.60236	351.91063	2.52896	0.0614581	0.22539618	2.6740633	21	—	—
23866 1998 RC_{69}	13.4	X	22.25928	322.10074	21.39179	0.52489	0.1878394	0.17356058	3.1829903	21	11 7.7	17.2
23867 Cathsoto	14.1	X	103.63327	308.66248	36.14099	5.70226	0.1591415	0.18350543	3.0669270	21	—	—
23868 1998 RA_{73}	13.9	X	58.24414	220.30762	270.34856	0.76036	0.0423921	0.19431217	2.9521339	21	3 9.3	17.7
23869 1998 RF_{74}	14.0	X	117.29884	353.40693	331.87050	5.98677	0.0327618	0.22534410	2.6744752	21	—	—
23870 1998 RW_{75}	13.4	X	322.35861	77.90611	80.29233	2.56568	0.1321059	0.18585302	3.0410459	21	—	—
23871 1998 RC_{76}	14.8	X	127.34858	130.98313	149.15230	4.99601	0.2223506	0.26782535	2.3836085	21	12 28.3	18.9
23872 1998 RH_{76}	13.4	X	145.59517	339.71841	67.78000	3.23283	0.1059196	0.19504453	2.9447394	21	3 24.2	17.8
23873 1998 RL_{76}	13.7	X	243.88372	255.97463	95.04145	3.28553	0.0889741	0.20129233	2.8834863	21	4 24.7	18.0
23874 1998 RB_{77}	13.6	X	311.43149	283.59184	129.86766	4.71151	0.0907322	0.21538964	2.7562557	21	10 17.5	16.9
23875 Strube	14.4	X	117.26902	192.11805	105.82422	3.71324	0.1897133	0.22482758	2.6785700	21	—	—
23876 1998 RZ_{79}	13.2	X	247.21038	357.43799	92.29766	4.97107	0.0638929	0.21116919	2.7928590	21	9 8.2	17.1
23877 Gourmaud	14.0	X	52.51291	315.33721	18.99350	4.97345	0.1413505	0.17491662	3.1665182	21	11 30.7	18.5
23878 1998 SN_{2}	14.5	X	68.39765	268.74208	124.64571	0.22900	0.1735973	0.18102284	3.0949036	21	—	—
23879 Demura	13.6	X	11.79647	190.11418	173.50560	11.89122	0.1069797	0.17335242	3.1855379	21	11 9.9	17.8
23880 Tongil	12.8	X	74.60135	180.15180	182.99164	12.75203	0.1696937	0.22573047	2.6714226	21	—	—
23881 1998 SP_{7}	15.4	X	318.99234	59.65443	172.68356	2.03645	0.1984664	0.24231846	2.5480721	21	1 30.4	18.7
23882 Fredcourant	13.6	X	195.45721	111.28928	204.40344	10.53631	0.1428464	0.18935334	3.0034522	21	1 21.7	18.7
23883 1998 SL_{12}	14.0	X	333.71935	148.47459	153.51428	2.30645	0.0704100	0.20566708	2.8424502	21	6 19.7	17.5
23884 Karenharvey	14.1	X	290.11343	173.24836	107.16548	14.59864	0.1368707	0.24291568	2.5438941	21	3 13.3	17.9
23885 1998 SE_{13}	14.5	X	134.89865	105.35641	25.43444	14.60928	0.0491854	0.24457506	2.5323745	21	6 14.5	18.3
23886 Toshihamane	14.2	X	0.16602	31.62775	18.67728	18.25698	0.1157672	0.17770995	3.1332488	21	12 17.9	18.5
23887 Shinsukeabe	14.0	X	209.78585	348.26856	103.93944	5.66602	0.0575496	0.20831690	2.8182946	21	7 26.4	17.9
23888 Daikinoshita	14.4	X	279.93531	163.28804	152.99582	7.18818	0.1535475	0.24417150	2.5351641	21	4 10.8	18.0
23889 Hermanngrassmann	14.8	X	107.83194	161.50716	159.56203	0.77574	0.1602119	0.18033060	3.1028189	21	—	—
23890 Quindou	14.6	X	152.08092	70.43982	205.67983	2.32235	0.0339777	0.22113116	2.7083373	21	—	—
23891 1998 SC_{49}	14.3	X	188.21282	266.96414	157.69722	2.30636	0.0526082	0.20345788	2.8629892	21	5 26.6	18.4
23892 1998 SH_{49}	14.0	X	256.15938	102.47036	201.65979	12.76185	0.1865923	0.24088147	2.5581958	21	2 21.4	18.3
23893 Lauman	14.7	X	38.47274	91.68856	227.38048	1.78359	0.1764189	0.26079815	2.4262360	21	11 14.9	17.5
23894 Arikahiguchi	14.3	X	348.56335	118.97087	2.11781	5.50203	0.0851887	0.18502793	3.0500797	21	—	—
23895 Akikonakamura	14.0	X	194.68777	170.97161	178.24082	8.30005	0.1727177	0.23848878	2.5752778	21	2 25.3	18.1
23896 Tatsuaki	13.7	X	275.64131	69.99713	177.05437	10.63983	0.0396113	0.19186059	2.9772287	21	1 26.5	18.0
23897 Daikuroda	14.0	X	226.68007	51.75360	111.21199	4.03627	0.0496659	0.21895473	2.7262552	21	11 17.2	17.7
23898 Takir	12.9	X	294.81285	338.23162	94.08480	2.50955	0.1483710	0.17086127	3.2164265	21	10 2.1	17.1
23899 Kornoš	13.0	X	247.20954	319.40205	219.00060	13.20183	0.1453080	0.22250865	2.6971480	21	12 17.4	16.8
23900 Urakawa	13.8	X	41.35915	14.27549	274.46780	3.25860	0.0364981	0.21167914	2.7883717	21	9 9.0	17.5
23901 1998 SU_{62}	14.0	X	152.33177	15.17238	343.03360	0.94359	0.0653587	0.19109974	2.9851259	21	1 26.3	18.1
23902 1998 SN_{64}	13.8	X	246.40755	132.97824	187.02400	12.20674	0.1987096	0.24093100	2.5578452	21	3 4.9	18.1
23903 1998 SK_{65}	14.1	X	77.78987	152.62431	146.20289	5.22054	0.1843138	0.21846211	2.7303519	21	11 30.3	18.3
23904 Amytang	14.9	X	232.10091	237.39571	69.05282	8.62667	0.1345510	0.23945529	2.5683434	21	2 11.6	19.0
23905 1998 SQ_{70}	14.0	X	168.28287	242.91285	135.26736	2.34120	0.1155735	0.19349867	2.9604023	21	3 12.0	18.5
23906 1998 SB_{72}	14.2	X	87.39514	253.12020	84.31861	2.60276	0.1599934	0.17947692	3.1126501	21	—	—
23907 1998 SH_{72}	14.9	X	43.32794	340.17003	42.49999	3.10880	0.2041094	0.26533993	2.3984701	21	—	—
23908 1998 SL_{80}	14.1	X	69.29991	53.91971	205.58876	13.50009	0.1589178	0.25780860	2.4449564	21	10 1.5	17.5
23909 1998 SZ_{96}	15.0	X	286.53467	232.78729	12.58975	15.38816	0.0922962	0.23758637	2.5817947	21	1 30.2	18.9
23910 1998 SP_{115}	13.7	X	104.96032	69.26103	282.18958	1.47507	0.2191361	0.18339613	3.0681454	21	—	—
23911 1998 SF_{128}	13.5	X	196.40607	8.04028	181.14292	14.33267	0.0629642	0.17439283	3.1728556	21	11 7.9	18.4
23912 1998 SU_{128}	13.8	X	300.56734	238.95993	70.45612	3.01943	0.0522741	0.20199974	2.8767504	21	5 15.1	17.7
23913 1998 SB_{129}	14.2	X	123.70946	75.90155	166.46259	6.57440	0.1010346	0.25954412	2.4340449	21	11 6.7	17.8
23914 1998 SO_{129}	13.6	X	176.30362	343.12277	45.03103	2.60182	0.0557365	0.19564894	2.9386716	21	3 29.1	17.8
23915 1998 SN_{130}	13.7	X	88.20340	84.70923	234.30528	0.79654	0.1879831	0.17832321	3.1260611	21	12 26.8	18.6
23916 1998 SD_{131}	13.5	X	272.63536	151.58116	355.68788	4.85995	0.0965695	0.17729046	3.1381893	21	12 9.4	17.8
23917 1998 SV_{132}	13.3	X	139.13173	143.02021	234.09780	6.48247	0.0629916	0.18946705	3.0022505	21	1 31.6	17.7
23918 1998 SH_{133}	13.1	X	242.29326	325.56714	209.07938	13.48919	0.1091930	0.17704988	3.1410315	21	12 4.2	17.7
23919 1998 SV_{134}	13.4	X	27.81188	224.78221	117.03653	1.78535	0.2135054	0.17332219	3.1859083	21	11 18.4	17.3
23920 1998 SE_{135}	13.7	X	82.61563	126.58388	182.69726	9.24634	0.2034762	0.17702208	3.1413604	21	12 12.5	18.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
23921 1998 SH_{135}	13.5	X	66.25938	181.89282	182.36901	10.72704	0.0518791	0.17954234	3.1118940	21	—	—
23922 Tawadros	14.2	X	79.45091	251.81110	96.21233	3.95482	0.1528664	0.17973832	3.1096316	21	—	—
23923 1998 SA_{137}	14.0	X	251.10881	211.27828	38.16940	14.35585	0.2144671	0.23434868	2.6055198	21	—	—
23924 Premt	14.6	X	152.85636	270.74792	342.78664	1.83692	0.1769128	0.26470921	2.4022785	21	12 17.4	18.4
23925 1998 SZ_{140}	13.4	X	307.13031	107.63135	222.89732	1.75348	0.0068113	0.20396294	2.8582610	21	6 27.0	17.2
23926 1998 SU_{141}	15.2	X	108.06098	275.10373	32.82773	13.58213	0.2313183	0.22385273	2.6863408	21	—	—
23927 1998 SS_{144}	14.0	X	182.58524	304.89612	33.14989	9.86960	0.1068279	0.19058113	2.9905389	21	2 9.9	18.8
23928 Darbywoodard	14.4	X	220.43764	119.36535	183.57170	2.48791	0.0692513	0.19133939	2.9826329	21	1 31.9	18.9
23929 1998 SU_{163}	13.7	X	304.74905	223.32650	51.40987	9.66817	0.1464507	0.24147552	2.5539985	21	3 21.8	17.1
23930 1998 SX_{163}	13.4	X	121.08828	280.72721	46.48542	11.48000	0.0813287	0.18092404	3.0960302	21	—	—
23931 Ibuki	13.6	X	123.56189	167.31280	98.27962	7.94733	0.0704918	0.26337594	2.4103789	21	12 4.3	16.9
23932 1998 TN_2	15.5	X	321.82141	123.67170	12.88662	6.86951	0.0742148	0.26753358	2.3853412	21	—	—
23933 1998 TD_3	13.1	X	78.91961	314.17506	330.34025	25.30186	0.1698406	0.17314239	3.1881136	21	10 22.9	18.4
23934 1998 TN_5	12.7	X	286.55023	313.92688	212.72030	13.16851	0.1020651	0.17922674	3.1155461	21	—	—
23935 1998 TU_6	14.1	X	236.66557	249.92599	83.87177	2.74451	0.1243917	0.19601705	2.9349912	21	3 24.8	18.7
23936 1998 TV_6	13.0	X	185.58237	356.43882	214.40749	15.57126	0.0551757	0.17351426	3.1835568	21	11 20.6	17.8
23937 Delibes	15.4	X	38.06826	138.98194	4.97058	5.04311	0.0995249	0.27737411	2.3285850	21	2 12.1	17.6
23938 Kurosaki	14.1	X	301.58979	215.09385	102.29087	2.71097	0.1471679	0.20254415	2.8715932	21	5 13.0	17.9
23939 1998 TV_{33}	11.4	X	331.56452	358.69345	66.42273	9.92785	0.0425896	0.08576008	5.0926745	21	11 9.9	18.0
23940 1998 UE	13.9	X	29.22780	182.95460	319.67215	25.25723	0.1578633	0.27780421	2.3261810	21	1 24.8	16.1
23941 1998 UW_1	13.0	X	118.86475	243.59525	102.46174	14.03777	0.1922243	0.22578428	2.6709981	21	—	—
23942 1998 UX_1	13.5	X	165.91197	212.60106	142.48773	11.09205	0.1213412	0.18787134	3.0192265	21	2 10.9	18.2
23943 1998 UO_2	14.2	X	107.98719	243.98682	26.29885	12.95329	0.1597900	0.21719843	2.7409320	21	11 18.8	18.7
23944 Dusser	14.6	X	313.07720	357.47698	165.59200	13.26242	0.1366558	0.23211166	2.6222338	21	—	—
23945 1998 US_4	13.4	X	202.20048	185.36662	336.60814	23.74966	0.1180736	0.17751798	3.1355073	21	9 26.7	18.6
23946 Marcelleroux	13.0	X	112.24270	23.66111	111.34404	12.19638	0.0544040	0.19002634	2.9963567	21	5 29.8	17.4
23947 1998 UH_{16}	11.8	X	196.55107	332.32030	216.17993	3.60351	0.0662723	0.08176888	5.2570733	21	10 24.5	18.9
23948 1998 UQ_{18}	12.8	X	317.03044	181.60639	54.89252	11.13347	0.0516814	0.18958612	3.0009933	21	3 11.7	17.1
23949 Dazapata	14.1	X	80.33452	261.13553	178.30327	9.03412	0.1050700	0.18959836	3.0008641	21	2 10.0	18.1
23950 Tsusakamoto	14.3	X	287.90318	65.56497	222.60631	8.87944	0.1598987	0.23954018	2.5677366	21	3 8.6	18.1
23951 1998 UX_{25}	13.7	X	241.12048	72.40427	198.03451	12.76238	0.1394315	0.18850380	3.0124694	21	1 10.5	18.8
23952 1998 UU_{28}	13.2	X	122.75533	277.21116	74.88706	10.83682	0.0932972	0.18323661	3.0699259	21	—	—
23953 1998 UV_{30}	14.0	X	8.08469	157.04175	156.26295	9.32016	0.2102265	0.21004318	2.8028316	21	9 11.1	16.7
23954 1998 UT_{35}	14.0	X	278.75695	192.79134	46.37798	10.16337	0.0214306	0.18999107	2.9967275	21	1 28.2	18.4
23955 Nishikota	13.8	X	155.28892	283.31343	37.37708	8.40795	0.1128594	0.18404475	3.0609325	21	—	—
23956 1998 VD_9	13.2	X	251.23361	140.62344	211.26355	16.41490	0.1245758	0.20061348	2.8899876	21	4 29.5	17.5
23957 1998 VL_{16}	13.6	X	101.17086	305.84709	70.72136	10.10159	0.1059278	0.18414037	3.0598729	21	—	—
23958 1998 VD_{30}	10.2	X	285.72632	234.42123	225.42210	24.90144	0.0995418	0.08236418	5.2317115	21	10 14.6	17.1
23959 1998 VZ_{36}	12.9	X	162.67860	42.69451	223.26647	12.80740	0.1327195	0.22282597	2.6945868	21	—	—
23960 1998 VL_{37}	13.8	X	218.47796	260.14273	27.82290	13.48777	0.1507026	0.23200328	2.6230504	21	1 7.5	18.3
23961 1998 VL_{39}	13.3	X	205.02434	137.10176	67.80161	11.52943	0.0301028	0.17427767	3.1742531	21	12 6.1	17.8
23962 1998 WO_1	13.4	X	79.59383	190.15754	151.77640	2.62666	0.1804383	0.17444650	3.1722047	21	—	—
23963 1998 WY_8	11.7	X	349.00113	146.24777	275.23274	4.13591	0.0888504	0.08308339	5.2014757	21	11 24.5	18.1
23964 1998 WR_{15}	13.4	X	62.74446	193.56991	131.15790	5.55238	0.1986294	0.17323343	3.1869965	21	12 9.7	18.1
23965 1998 WP_{16}	13.7	X	262.97695	200.63796	65.57378	11.43019	0.0702050	0.18796504	3.0182230	21	2 7.1	18.3
23966 1998 WO_{22}	14.1	X	226.94910	245.40326	67.45573	5.80493	0.2953858	0.23659217	2.5890224	21	2 10.8	18.9
23967 1998 XQ_{12}	13.0	X	282.31381	127.81403	126.07139	14.26117	0.1267920	0.18786222	3.0193242	21	2 3.8	17.5
23968 1998 XA_{13}	11.2	X	285.41715	28.73678	84.03911	12.50804	0.1615748	0.08183219	5.2543614	21	10 27.4	18.0
23969 1998 XF_{78}	13.1	X	63.28195	155.91297	221.58131	15.41905	0.0534713	0.17639063	3.1488529	21	—	—
23970 1998 YP_6	11.0	X	296.50681	12.18416	76.41235	32.11301	0.0666747	0.08158023	5.2651745	21	11 3.9	18.1
23971 1998 YU_9	14.0	X	317.17477	110.47394	128.85967	12.84489	0.1332747	0.27107508	2.3645199	21	2 11.9	16.9
23972 1999 AA	13.2	X	210.36655	353.07311	350.23493	10.21853	0.0900744	0.19004056	2.9962072	21	3 10.9	17.7
23973 1999 CA_4	12.7	X	315.94019	284.44359	16.56383	10.13733	0.1005449	0.18815727	3.0161669	21	5 16.6	16.7
23974 1999 CK_{12}	14.8	X	274.35824	78.43803	311.87485	18.62243	0.1017551	0.37056774	1.9196600	21	7 24.8	16.6
23975 Akran	14.7	X	248.42448	83.60653	256.20799	4.38879	0.1299074	0.27263317	2.3555026	21	4 1.8	18.2
23976 1999 DZ_6	13.3	X	149.25266	90.23476	68.79950	13.21809	0.1173252	0.23347717	2.6119996	21	8 20.6	17.5
23977 1999 GW_6	13.1	X	310.91165	121.11982	209.00408	26.04792	0.1255930	0.23046296	2.6347250	21	6 12.6	16.8
23978 1999 JF_{21}	13.2	X	273.06195	137.95463	228.78094	6.32062	0.2328867	0.22833259	2.6510878	21	5 27.6	17.0
23979 1999 JL_{82}	13.6	X	15.92842	251.29386	93.73206	13.84140	0.2222060	0.23744867	2.5827928	21	11 22.1	16.5
23980 Ogden	14.4	X	245.34027	251.53243	111.17173	7.24079	0.1468869	0.26520962	2.3992557	21	5 2.9	18.0
23981 Patjohnson	14.7	X	321.27520	247.11430	167.09934	6.92098	0.0784283	0.28181524	2.3040562	21	11 17.4	17.1
23982 1999 LM_{12}	14.3	X	70.80230	111.53462	215.34544	7.92544	0.2422002	0.23808365	2.5781984	21	—	—
23983 1999 NS_{11}	15.1	X	69.88122	232.94173	146.76372	7.08719	0.3081592	0.28241721	2.3007810	21	—	—
23984 1999 NC_{42}	14.1	X	50.02816	277.24689	118.77400	13.59371	0.1865086	0.23757931	2.5818458	21	—	—
23985 1999 NB_{53}	13.5	X	249.62972	237.85317	224.17313	12.57556	0.1309502	0.22875207	2.6478458	21	9 12.2	17.5
23986 1999 NZ_{53}	13.6	X	291.75280	149.63964	259.92101	16.27806	0.2012317	0.17882550	3.1202046	21	8 12.7	18.1
23987 1999 NB_{63}	11.6	X	285.80742	67.57829	279.74149	21.41152	0.1687697	0.08339129	5.1886645	21	6 1.8	18.6
23988 Maungakiekie	13.5	X	124.14655	264.81764	159.02489	12.28739	0.1842310	0.20409754	2.8570041	21	3 29.9	17.8
23989 Farpoint	14.7	X	35.35292	207.54914	174.07545	14.61739	0.1902661	0.23286807	2.6165523	21	—	—
23990 Springsteen	16.1	X	216.53539	229.29906	152.97526	2.56509	0.0584047	0.30270601	2.1967907	21	4 27.5	18.7
23991 1999 RD_3	14.9	X	69.19899	219.93532	196.11035	2.44827	0.1349261	0.28581820	2.2824931	21	—	—
23992 Markhobbs	15.6	X	24.97021	56.49376	340.36596	5.31404	0.1866402	0.27961558	2.3161240	21	—	—
23993 1999 RS_{13}	14.0	X	3.31445	305.70541	142.58504	13.18568	0.1515895	0.23770248	2.5809539	21	—	—
23994 Mayhan	15.6	X	206.95261	34.52140	18.20959	2.36430	0.1646206	0.25877710	2.4388522	21	5 25.7	19.6
23995 Oechsle	15.6	X	323.43370	205.81690	223.83539	1.75621	0.1979248	0.27389037	2.3482890	21	12 13.5	17.0
23996 1999 RT_{27}	15.3	X	283.15095	278.48497	162.33766	2.88053	0.1622098	0.26986032	2.3716105	21	10 6.8	17.6
23997 1999 RW_{27}	12.6	X	44.00101	43.23648	21.29219	13.98570	0.2882348	0.23432799	2.6056732	21	—	—
23998 1999 RP_{29}	15.7	X	195.82320	222.31088	318.28267	18.11379	0.0532177	0.36635193	1.9343589	21	11 20.8	18.3
23999 Rinner	15.2	X	286.52770	338.30004	29.31994	1.17295	0.1332174	0.26211154	2.4181243	21	6 29.3	18.0
24000 Patrickdufour	15.4	X	136.52238	227.73242	152.75397	6.13069	0.1945347	0.29115206	2.2545306	21	2 2.6	18.3