ELEMENTS AND OPPOSITION DATES IN 2020

ECLIPTIC AND EQUINOX 2000.0, EPOCH 2020 MAY 31.0 TT

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
256001 2006 TY_{121}	16.5	X	69.87482	266.10326	181.04736	21.02968	0.1859380	0.23811792	2.5779510	20	2 17.4	19.6
256002 2006 TZ_{123}	16.7	X	211.21325	99.49197	140.39310	3.14274	0.0725011	0.22866854	2.6484906	20	—	—
256003 2006 TK_{126}	16.7	X	115.94345	187.22301	191.22776	9.55550	0.1445887	0.23662564	2.5887782	20	1 18.7	20.4
256004 2006 UP	23.0	X	296.65770	335.12306	47.90966	2.28497	0.3005568	0.49409671	1.5846307	20	12 19.5	21.2
256005 2006 UY_{6}	17.2	X	146.58470	155.85064	159.26702	4.30858	0.2602437	0.23591026	2.5940091	20	—	—
256006 2006 UV_{7}	16.4	X	39.83601	256.03192	202.41437	5.52081	0.1962738	0.23336120	2.6128648	20	1 8.4	18.8
256007 2006 UP_{8}	16.5	X	51.74169	185.26588	230.82551	12.01046	0.1411216	0.22896114	2.6462337	20	—	—
256008 2006 UW_{8}	16.3	X	113.14820	282.55067	71.92408	4.07056	0.1535641	0.23267336	2.6180119	20	—	—
256009 2006 UR_{9}	16.1	X	287.49331	19.69441	141.63641	4.95593	0.1386504	0.22250784	2.6971546	20	—	—
256010 2006 UA_{10}	17.1	X	96.29998	219.87023	206.59969	8.19128	0.1438573	0.23955251	2.5676485	20	2 22.9	20.4
256011 2006 UF_{10}	16.1	X	42.49690	139.17404	307.39551	9.34375	0.1681796	0.23866984	2.5739752	20	—	—
256012 2006 UL_{10}	16.0	X	253.63057	212.19987	37.68264	15.81431	0.1322611	0.24144552	2.5542101	20	—	—
256013 2006 US_{13}	15.9	X	32.20616	17.48583	54.47022	7.66911	0.0691280	0.22896963	2.6461683	20	—	—
256014 2006 UC_{16}	16.7	X	132.70795	281.35383	75.01341	5.14420	0.2261693	0.23762425	2.5815203	20	1 23.4	20.5
256015 2006 UG_{23}	17.5	X	55.66463	225.37175	240.10560	4.00728	0.1378799	0.24079270	2.5588245	20	2 12.2	20.2
256016 2006 UY_{23}	16.7	X	104.15914	302.50505	245.68728	2.85168	0.1336042	0.26868099	2.3785453	20	8 16.2	20.1
256017 2006 UF_{24}	16.6	X	47.66191	138.92031	221.91756	5.42076	0.0411573	0.22139695	2.7061693	20	12 31.8	20.3
256018 2006 UE_{26}	17.1	X	48.79286	136.28704	318.02693	0.80423	0.0869921	0.23788370	2.5796429	20	1 14.6	19.9
256019 2006 UG_{26}	16.5	X	13.82265	39.49826	24.41753	5.92792	0.0862655	0.22545949	2.6735627	20	—	—
256020 2006 UB_{28}	16.8	X	139.95958	36.44432	252.31669	0.76402	0.2495182	0.23037984	2.6353587	20	—	—
256021 2006 UO_{29}	16.7	X	217.85909	269.62275	29.22366	5.55871	0.0058313	0.24279699	2.5447230	20	1 29.0	20.1
256022 2006 US_{29}	16.2	X	216.70673	242.04578	21.07817	4.93272	0.1273391	0.23751207	2.5823331	20	—	—
256023 2006 UF_{32}	17.3	X	20.83056	271.55366	221.47336	2.65805	0.1918236	0.23664984	2.5886017	20	1 16.8	19.5
256024 2006 UZ_{33}	16.7	X	143.42310	31.97052	206.75235	5.70396	0.0110757	0.21480750	2.7612332	20	11 22.5	20.5
256025 2006 UJ_{36}	16.3	X	68.62845	27.44094	40.81781	18.99078	0.2097295	0.23364528	2.6107465	20	2 4.7	19.5
256026 2006 UQ_{37}	16.7	X	105.27460	48.48634	231.42268	5.84432	0.0170632	0.21441900	2.7645676	20	11 27.2	20.4
256027 2006 UF_{38}	17.2	X	122.16002	285.85626	102.45364	0.20796	0.1025295	0.24022348	2.5628651	20	2 3.5	20.5
256028 2006 UQ_{39}	17.0	X	341.33899	215.52211	228.29729	1.07756	0.0559634	0.22198110	2.7014196	20	—	—
256029 2006 UU_{40}	17.2	X	104.01041	310.56430	36.82670	1.84700	0.0916147	0.22885603	2.6470439	20	—	—
256030 2006 UA_{41}	17.0	X	38.10710	74.52588	40.06487	5.47077	0.1108377	0.23720881	2.5845336	20	1 27.5	19.8
256031 2006 UH_{42}	16.4	X	225.72923	220.94901	63.91778	2.68884	0.1005109	0.24069503	2.5595167	20	1 17.1	20.2
256032 2006 UK_{45}	17.0	X	58.68466	28.19509	68.82119	3.97136	0.2387208	0.23554218	2.5967108	20	2 24.6	19.3
256033 2006 UJ_{47}	17.0	X	157.85836	94.10846	5.46488	6.81069	0.0739080	0.26361743	2.4089066	20	6 14.0	20.5
256034 2006 UM_{53}	16.7	X	88.61482	327.89085	60.70698	6.14569	0.2445813	0.23352005	2.6116798	20	1 13.5	19.7
256035 2006 UQ_{62}	15.9	X	10.74205	359.37211	61.51926	12.45633	0.1182692	0.22232221	2.6986557	20	—	—
256036 2006 UX_{65}	16.8	X	166.72183	358.79522	77.07475	3.54694	0.1476126	0.25900435	2.4374255	20	5 26.2	20.5
256037 2006 UF_{68}	16.8	X	173.20090	168.27031	153.71846	3.81329	0.1706180	0.24139061	2.5545974	20	1 13.2	20.7
256038 2006 UC_{70}	16.2	X	127.80225	204.78908	214.76373	10.20849	0.0272434	0.24457083	2.5324037	20	3 7.4	19.7
256039 2006 UO_{79}	16.6	X	260.53902	335.25346	283.46045	2.64868	0.0220277	0.24350746	2.5397709	20	1 27.5	20.0
256040 2006 UM_{81}	16.0	X	349.15374	230.83796	284.28434	4.15960	0.2054992	0.23445407	2.6047389	20	—	—
256041 2006 UX_{81}	16.8	X	5.75935	51.95178	94.52757	3.49985	0.1155977	0.23606071	2.5929068	20	1 13.9	19.5
256042 2006 UR_{82}	16.3	X	150.63640	329.37700	323.34537	2.77651	0.1813418	0.23076396	2.6324334	20	—	—
256043 2006 UT_{82}	16.0	X	118.99455	337.78371	21.28901	14.37810	0.0692991	0.23487515	2.6016248	20	—	—
256044 2006 UU_{87}	16.0	X	98.36867	129.87977	241.81464	8.03139	0.0670377	0.22977795	2.6399588	20	—	—
256045 2006 UQ_{88}	17.1	X	133.33823	129.67624	250.94753	3.94952	0.0467642	0.23962175	2.5671538	20	1 29.5	20.6
256046 2006 UY_{89}	16.5	X	131.85038	249.89697	29.11642	4.81996	0.0787664	0.21917755	2.7244071	20	12 29.4	20.6
256047 2006 UH_{91}	16.9	X	98.24487	353.73924	36.07802	1.66455	0.1425467	0.23481802	2.6020468	20	1 12.4	19.9
256048 2006 UJ_{92}	17.1	X	251.56093	34.57727	168.70478	1.88490	0.0523026	0.22927127	2.6438469	20	—	—
256049 2006 UP_{99}	17.1	X	121.86898	183.22059	135.70325	3.89360	0.1863428	0.22940024	2.6428559	20	—	—
256050 2006 UV_{102}	16.7	X	229.73788	138.94347	132.63545	3.54661	0.1158335	0.24032265	2.5621600	20	1 3.9	20.5
256051 2006 UY_{104}	17.0	X	295.28038	69.53158	140.85252	3.76137	0.0595372	0.23728982	2.5839452	20	1 5.2	20.4
256052 2006 UH_{120}	17.1	X	134.19233	74.09245	58.45798	4.06917	0.1282587	0.26147311	2.4220589	20	7 5.9	20.7
256053 2006 UR_{120}	16.4	X	221.82030	56.25370	190.46258	6.35409	0.1412681	0.23461901	2.6035180	20	—	—
256054 2006 UX_{120}	16.4	X	58.23768	161.26839	192.40708	8.36724	0.0723629	0.22226651	2.6991065	20	—	—
256055 2006 UR_{121}	17.3	X	87.98983	118.39624	53.18924	5.26520	0.1329082	0.26118862	2.4238173	20	7 5.7	20.5
256056 2006 UL_{123}	16.6	X	325.07279	334.50317	183.76612	4.40399	0.2562189	0.23082770	2.6319488	20	—	—
256057 2006 UT_{126}	17.7	X	17.64769	95.41413	7.68059	5.73060	0.0460636	0.23349490	2.6118673	20	—	—
256058 2006 UA_{132}	16.6	X	70.13288	71.71250	339.40407	7.57083	0.2113466	0.23396214	2.6083888	20	1 7.4	19.2
256059 2006 UB_{133}	16.8	X	301.72738	334.91947	185.84904	1.93820	0.0922627	0.22833581	2.6510629	20	—	—
256060 2006 UY_{134}	16.3	X	342.62253	220.14940	223.28644	1.45114	0.0743372	0.22406021	2.6846823	20	—	—
256061 2006 UX_{135}	16.4	X	171.94887	228.63826	59.71597	3.29426	0.0703396	0.23143707	2.6273268	20	—	—
256062 2006 UR_{136}	16.4	X	169.20013	353.13836	286.77504	3.77266	0.0882820	0.22811221	2.6527951	20	—	—
256063 2006 UY_{140}	17.0	X	51.35082	82.99027	269.49115	5.01032	0.0417770	0.21746393	2.7387006	20	12 25.5	20.8
256064 2006 UW_{142}	16.5	X	142.67867	327.81111	353.15522	4.91764	0.1811026	0.23339201	2.6126349	20	—	—
256065 2006 UH_{144}	16.4	X	98.19016	153.42989	221.55713	33.13141	0.2457907	0.23294728	2.6159591	20	—	—
256066 2006 UD_{146}	16.9	X	276.69790	16.00325	337.58468	6.03365	0.1284586	0.27575995	2.3376631	20	6 7.7	19.9
256067 2006 UF_{158}	16.8	X	130.26367	37.51794	36.56052	10.71350	0.0444171	0.25208267	2.4818416	20	4 6.7	20.1
256068 2006 UB_{172}	16.9	X	293.51373	272.99474	216.61303	5.52040	0.0834216	0.21694750	2.7430451	20	—	—
256069 2006 UV_{175}	17.1	X	108.81454	45.27286	81.06961	5.20242	0.1043605	0.25825245	2.4421542	20	5 26.2	20.3
256070 2006 UB_{176}	17.1	X	324.52749	238.49223	66.09934	5.80099	0.1478125	0.27006684	2.3704013	20	6 12.5	19.1
256071 2006 UN_{178}	17.4	X	106.45133	290.19991	88.98446	6.13666	0.3522259	0.23799404	2.5788455	20	2 9.7	21.1
256072 2006 UQ_{179}	16.7	X	79.43088	264.27145	141.50921	5.31417	0.1344538	0.23461691	2.6035335	20	1 3.6	19.6
256073 2006 UF_{181}	16.4	X	130.62257	46.23379	78.82522	11.35288	0.0795963	0.25926463	2.4357939	20	6 16.9	19.8
256074 2006 UD_{182}	16.5	X	129.35318	194.50257	195.98773	13.82580	0.1879185	0.24202290	2.5501462	20	2 21.8	20.4
256075 2006 UE_{186}	16.1	X	62.34284	63.80779	283.99589	5.31656	0.0439526	0.22300108	2.6931760	20	—	—
256076 2006 UF_{190}	16.9	X	83.11027	60.28587	354.98393	14.32827	0.1023442	0.23804939	2.5784457	20	1 21.8	20.3
256077 2006 UU_{191}	15.9	X	329.03075	148.12677	351.70232	10.17295	0.1955833	0.22773717	2.6557067	20	—	—
256078 2006 UQ_{200}	16.7	X	98.68971	17.19089	24.28229	9.14555	0.2090928	0.23767882	2.5811252	20	2 10.7	20.1
256079 2006 UH_{201}	17.3	X	52.69724	133.23543	50.70813	7.15117	0.0874051	0.25339514	2.4732643	20	5 23.7	20.0
256080 2006 UL_{202}	16.7	X	165.77508	27.63434	84.02874	7.54107	0.0579799	0.26720972	2.3872682	20	7 11.2	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
256081 2006 UB_{203}	16.3	X	171.93708	205.49098	90.02407	6.87551	0.1128719	0.23636169	2.5907052	20	—	—
256082 2006 UG_{203}	16.7	X	181.97716	190.06897	115.65065	6.41726	0.2333274	0.24234062	2.5479168	20	1 5.0	20.9
256083 2006 UZ_{203}	16.7	X	2.02065	72.80406	358.73355	8.98585	0.1377957	0.22307138	2.6926102	20	—	—
256084 2006 UR_{205}	17.1	X	48.57254	184.45957	33.14107	1.73049	0.1332507	0.26586887	2.3952879	20	7 15.1	19.7
256085 2006 UK_{207}	16.6	X	142.36903	123.74443	222.35802	12.40151	0.2965956	0.23983848	2.5656070	20	1 22.1	21.0
256086 2006 UX_{207}	17.3	X	4.24755	280.09349	209.56427	2.40952	0.1326862	0.23370407	2.6103087	20	—	—
256087 2006 UY_{207}	16.8	X	252.58315	91.87439	41.77225	2.42446	0.0898396	0.21309984	2.7759649	20	11 13.8	20.5
256088 2006 UJ_{213}	17.0	X	12.00116	87.11806	331.93446	2.07308	0.0532791	0.22115401	2.7081507	20	—	—
256089 2006 UD_{214}	16.8	X	94.49709	162.62851	276.51884	2.79669	0.1692833	0.24113609	2.5563947	20	3 13.3	20.0
256090 2006 UO_{216}	16.3	X	119.91206	161.42612	224.02408	3.99329	0.2849675	0.23920950	2.5701025	20	2 19.1	20.3
256091 2006 UH_{218}	16.9	X	72.51934	39.76012	339.64312	2.96856	0.0901175	0.22876649	2.6477346	20	—	—
256092 2006 UE_{220}	16.7	X	101.69089	342.65609	48.49847	8.40006	0.2056918	0.23772002	2.5808269	20	1 30.6	20.1
256093 2006 UJ_{221}	16.9	X	178.28337	214.69465	220.53851	6.84101	0.0655635	0.26260924	2.4150681	20	6 5.8	20.3
256094 2006 UF_{229}	16.6	X	109.01525	289.20265	61.52412	6.56367	0.3457004	0.23289368	2.6163605	20	1 7.1	20.2
256095 2006 UM_{229}	16.2	X	117.83872	306.72887	76.51996	17.63128	0.2051942	0.23705136	2.5856778	20	2 11.7	20.2
256096 2006 UX_{234}	15.8	X	24.72747	191.57850	271.03800	11.65538	0.1484589	0.22476003	2.6791066	20	—	—
256097 2006 UK_{239}	16.4	X	345.86986	169.14488	236.64051	4.11047	0.0423210	0.21626369	2.7488243	20	12 7.1	19.7
256098 2006 UF_{244}	17.6	X	86.19550	221.90417	214.72058	2.65594	0.1534667	0.24179961	2.5517159	20	2 25.1	20.6
256099 2006 UG_{248}	17.3	X	226.28524	102.81542	226.97677	3.81844	0.1971980	0.25393258	2.4697733	20	3 5.6	21.4
256100 2006 UU_{254}	16.8	X	53.99599	243.79489	202.39001	0.69205	0.0415166	0.23618478	2.5919987	20	1 9.2	20.0
256101 2006 UT_{255}	17.0	X	141.46037	125.32754	231.63231	5.14193	0.3163585	0.24052467	2.5607252	20	2 6.3	21.4
256102 2006 UW_{260}	17.0	X	122.99860	235.68768	94.94399	1.20415	0.0653167	0.23017257	2.6369405	20	—	—
256103 2006 UX_{262}	16.5	X	104.68746	185.03718	175.47600	14.57575	0.1938376	0.23112070	2.6297239	20	—	—
256104 2006 US_{265}	16.9	X	163.23123	164.79943	273.70098	5.18454	0.0912858	0.25708896	2.4495169	20	5 23.3	20.4
256105 2006 UC_{266}	16.1	X	97.54017	84.68010	251.11692	5.18304	0.0268370	0.22443366	2.6817032	20	—	—
256106 2006 UK_{271}	17.0	X	100.58560	142.54237	203.94895	1.53272	0.2161687	0.22881084	2.6473924	20	—	—
256107 2006 UJ_{272}	17.0	X	83.87730	136.35289	237.72990	1.77727	0.0938852	0.22720574	2.6598461	20	—	—
256108 2006 UX_{273}	16.7	X	257.21033	264.57511	252.99434	5.32388	0.0558229	0.21676138	2.7446151	20	12 25.9	20.4
256109 2006 UG_{281}	16.8	X	32.28734	63.23122	50.30822	5.80224	0.0139851	0.23726938	2.5840937	20	1 15.1	20.1
256110 2006 UX_{282}	17.4	X	47.73833	67.58061	31.85651	9.80631	0.1705786	0.23609453	2.5926592	20	1 29.6	20.1
256111 2006 UE_{283}	16.8	X	342.46073	247.66536	247.47900	3.67569	0.0714022	0.23139935	2.6276124	20	—	—
256112 2006 UX_{285}	17.0	X	142.35172	281.91777	55.37448	2.75135	0.2257471	0.23693389	2.5865324	20	1 9.1	21.0
256113 2006 UH_{290}	16.7	X	358.78576	120.36235	39.06271	15.68627	0.1165363	0.23667915	2.5883881	20	1 24.4	20.0
256114 2006 UD_{291}	15.6	X	71.66874	313.85847	149.81235	22.59064	0.0379711	0.24320776	2.5418569	20	2 25.3	18.7
256115 2006 UA_{295}	18.1	X	177.40558	249.52278	175.86930	1.30180	0.1606086	0.26351468	2.4095328	20	5 23.2	21.7
256116 2006 UW_{297}	17.2	X	115.68945	92.53127	35.90034	1.66735	0.1347344	0.26481039	2.4016665	20	6 9.8	20.6
256117 2006 UW_{327}	17.4	X	238.36361	64.22603	248.42971	1.71312	0.2001918	0.25437860	2.4668855	20	2 24.8	21.4
256118 2006 UQ_{328}	16.0	X	11.66785	159.61411	301.60357	5.33505	0.1473536	0.22932840	2.6434077	20	—	—
256119 2006 UC_{329}	16.3	X	243.34337	45.20312	256.04119	3.27582	0.0931040	0.24629501	2.5205712	20	2 22.3	19.9
256120 2006 UM_{329}	15.7	X	341.62530	114.22498	11.54740	13.97883	0.1384315	0.22608586	2.6686223	20	—	—
256121 2006 UM_{331}	16.9	X	81.85704	109.96529	199.20932	3.54461	0.0601972	0.21391218	2.7689325	20	12 9.9	20.8
256122 2006 UK_{333}	16.4	X	134.91652	150.91312	170.67110	14.83679	0.2814935	0.23373333	2.6100908	20	—	—
256123 2006 UZ_{334}	16.9	X	43.40913	123.53753	39.23400	5.93121	0.2040325	0.24485981	2.5304109	20	4 23.7	19.0
256124 2006 UK_{337}	15.9	X	64.30977	43.45185	42.22327	17.76178	0.1496351	0.23519903	2.5992359	20	2 13.4	19.2
256125 2006 UR_{337}	16.0	X	69.62072	259.24047	105.14339	12.28338	0.0963866	0.22477642	2.6789763	20	—	—
256126 2006 UW_{346}	15.8	X	150.96167	184.16789	195.61341	21.44945	0.0182399	0.24236928	2.5477159	20	2 11.9	19.6
256127 2006 UX_{358}	16.5	X	177.37051	234.74311	24.24641	11.61053	0.1424064	0.22583791	2.6705753	20	—	—
256128 2006 VD	16.5	X	7.89090	62.47981	51.14789	22.68568	0.0959855	0.22641395	2.6660437	20	—	—
256129 2006 VS_{1}	16.1	X	53.97720	162.27655	220.90606	11.25918	0.2062687	0.22387561	2.6861578	20	—	—
256130 2006 VF_{3}	16.6	X	333.88794	138.08457	1.83378	2.26417	0.0547965	0.23190502	2.6237913	20	—	—
256131 2006 VR_{5}	16.9	X	161.94239	117.90158	227.66605	3.33911	0.2242306	0.24166915	2.5526341	20	2 3.1	21.1
256132 2006 VY_{6}	17.0	X	321.49124	264.04536	228.74663	3.15373	0.0834290	0.22373422	2.6872894	20	—	—
256133 2006 VK_{7}	16.7	X	118.60521	308.03389	67.46639	2.06449	0.1580485	0.23614409	2.5922964	20	1 22.7	20.1
256134 2006 VQ_{10}	16.8	X	87.24486	339.84981	47.43942	3.36725	0.0927077	0.23181417	2.6244767	20	—	—
256135 2006 VN_{12}	16.4	X	49.81191	323.15013	100.28781	2.71495	0.0926772	0.22773037	2.6557595	20	—	—
256136 2006 VU_{12}	16.1	X	70.20678	317.93287	79.82812	13.17464	0.1876479	0.22973034	2.6403235	20	—	—
256137 2006 VZ_{12}	15.5	X	36.36812	177.78278	281.70835	21.52627	0.1157519	0.23637393	2.5906157	20	1 1.9	18.4
256138 2006 VQ_{15}	16.6	X	222.22823	274.21543	14.89888	2.97272	0.0817383	0.23984065	2.5655916	20	1 19.6	20.4
256139 2006 VJ_{19}	15.5	X	320.73434	229.86254	33.33282	5.44783	0.1177237	0.18122213	3.0926343	20	4 14.7	19.4
256140 2006 VL_{19}	16.5	X	352.27536	117.92043	279.68523	2.61198	0.1028551	0.21408101	2.7674766	20	12 10.4	19.7
256141 2006 VF_{20}	17.3	X	140.76607	274.02438	40.00604	4.76392	0.2315224	0.23167058	2.6255611	20	—	—
256142 2006 VM_{22}	16.1	X	294.84442	122.50356	57.07691	4.64690	0.0103772	0.23004546	2.6379118	20	—	—
256143 2006 VA_{25}	16.9	X	57.07023	355.07466	83.18922	4.33222	0.1100955	0.23359221	2.6111419	20	1 8.9	19.8
256144 2006 VD_{26}	16.8	X	20.38570	9.05882	44.17679	5.99732	0.1556006	0.22187869	2.7022508	20	—	—
256145 2006 VF_{30}	17.1	X	66.47245	329.46887	48.58426	7.16621	0.0562772	0.22348232	2.6893084	20	—	—
256146 2006 VM_{30}	16.2	X	183.62784	50.00580	261.87283	3.83131	0.2461932	0.23878263	2.5731646	20	1 13.9	20.6
256147 2006 VQ_{31}	17.7	X	172.31521	81.48261	220.38161	3.91357	0.1574597	0.23681366	2.5874078	20	—	—
256148 2006 VW_{31}	16.5	X	1.20916	29.67215	96.59458	3.04494	0.0346088	0.23115177	2.6294882	20	—	—
256149 2006 VU_{33}	17.0	X	10.26751	169.97890	64.25464	2.66100	0.1518043	0.25738666	2.4476277	20	5 28.6	19.1
256150 2006 VE_{34}	15.4	X	150.77255	281.27608	51.62651	15.18514	0.1318985	0.23539109	2.5978219	20	1 2.2	19.4
256151 2006 VH_{34}	15.7	X	264.80674	31.98931	224.23587	11.83702	0.1297640	0.24148898	2.5539036	20	1 16.1	19.7
256152 2006 VU_{36}	16.3	X	186.88240	243.47605	71.30806	7.11815	0.1163029	0.23949724	2.5680435	20	1 15.8	20.2
256153 2006 VA_{42}	16.9	X	108.60461	344.58399	23.54982	4.70708	0.0660495	0.23329300	2.6133741	20	—	—
256154 2006 VU_{43}	16.0	X	53.76663	173.35101	263.60324	6.92067	0.1560228	0.23165786	2.6256572	20	1 4.7	18.5
256155 2006 VO_{44}	15.7	X	139.10672	278.33698	61.55917	17.60053	0.3800384	0.23693245	2.5865429	20	1 26.4	20.4
256156 2006 VJ_{48}	16.7	X	177.59335	97.96065	228.67770	4.62313	0.1728475	0.23950983	2.5679535	20	1 22.2	20.8
256157 2006 VX_{48}	16.9	X	189.69792	272.78409	51.93449	5.57356	0.2913798	0.24342211	2.5403645	20	2 5.4	21.5
256158 2006 VO_{49}	16.3	X	151.87233	291.80720	34.94418	3.64101	0.0987570	0.23082263	2.6319873	20	—	—
256159 2006 VF_{50}	16.3	X	115.39720	353.76828	29.63920	2.15611	0.1075813	0.23500101	2.6006958	20	1 21.9	19.8
256160 2006 VZ_{50}	16.3	X	124.84275	118.76122	273.51633	4.61974	0.0721741	0.23689975	2.5867809	20	2 6.6	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
256161 2006 VN_{52}	16.7	X	72.34238	67.00322	359.43355	4.73215	0.1819153	0.23454639	2.6040554	20	1 28.5	19.5
256162 2006 VD_{53}	16.8	X	19.39224	115.42926	316.35177	3.67573	0.1479296	0.22483439	2.6785158	20	—	—
256163 2006 VL_{53}	16.7	X	325.07264	213.62795	340.74624	4.78812	0.2049948	0.23584885	2.5944594	20	1 2.3	19.9
256164 2006 VP_{53}	16.0	X	354.11911	28.15545	281.95845	4.91093	0.0747258	0.19724673	2.9227804	20	8 11.3	19.6
256165 2006 VW_{54}	16.6	X	84.39343	244.80441	205.37771	2.34886	0.0592774	0.24143204	2.5543051	20	2 26.8	19.8
256166 2006 VG_{55}	16.8	X	240.30980	183.11204	223.16292	4.20885	0.2283664	0.26539690	2.3981268	20	6 22.7	20.4
256167 2006 VK_{55}	17.2	X	83.31703	45.81599	61.08850	8.87239	0.1528354	0.24277941	2.5448459	20	4 7.1	20.4
256168 2006 VX_{55}	16.4	X	197.81393	190.61530	82.86147	3.76366	0.0247398	0.22933360	2.6433678	20	—	—
256169 2006 VB_{56}	16.4	X	112.18216	249.96677	76.59754	3.91829	0.0770810	0.22414271	2.6840234	20	—	—
256170 2006 VO_{61}	16.6	X	116.30854	311.49603	50.53496	3.80849	0.1867682	0.23339667	2.6126001	20	1 7.4	20.1
256171 2006 VT_{63}	17.0	X	161.47133	250.11731	74.14413	3.30762	0.2251085	0.23609169	2.5926800	20	1 10.7	21.3
256172 2006 VD_{64}	16.8	X	247.05319	332.90220	191.92124	1.40757	0.0157349	0.21553834	2.7549879	20	12 27.0	20.3
256173 2006 VM_{65}	16.7	X	88.97382	196.30272	206.97461	1.26726	0.1188916	0.23365562	2.6106695	20	1 12.8	19.7
256174 2006 VS_{67}	15.7	X	338.77899	51.55238	64.29483	14.00608	0.1346878	0.22206016	2.7007784	20	—	—
256175 2006 VZ_{67}	16.1	X	263.09984	209.82174	67.46569	14.21166	0.1412223	0.24313950	2.5423326	20	2 16.8	20.2
256176 2006 VG_{68}	16.9	X	124.92738	92.89847	240.28796	1.12564	0.2150602	0.22956355	2.6416023	20	—	—
256177 2006 VP_{68}	16.2	X	22.28392	10.18279	79.22007	4.56713	0.0866104	0.22889666	2.6467306	20	—	—
256178 2006 VD_{69}	15.8	X	74.02970	181.67168	246.71165	11.18359	0.1529554	0.23500785	2.6006454	20	1 24.4	18.9
256179 2006 VY_{69}	15.3	X	132.71144	266.89504	71.76853	14.29344	0.1875356	0.23141607	2.6274858	20	—	—
256180 2006 VT_{71}	16.6	X	53.04069	251.53823	231.87624	4.59414	0.1169049	0.24011319	2.5636499	20	3 1.3	19.6
256181 2006 VM_{73}	16.3	X	199.47460	74.17444	242.61449	5.47760	0.2335890	0.24250891	2.5467379	20	1 29.5	20.8
256182 2006 VW_{73}	16.2	X	147.42625	46.18737	246.41547	12.92420	0.2562711	0.22563378	2.6721857	20	—	—
256183 2006 VE_{74}	16.7	X	8.83312	225.90794	231.97756	4.57000	0.1341324	0.22458001	2.6805381	20	—	—
256184 2006 VC_{75}	16.1	X	122.62408	137.65903	233.42349	3.32047	0.1651923	0.23456340	2.6039295	20	1 21.8	19.8
256185 2006 VS_{75}	16.4	X	43.48866	243.52415	275.32101	2.41901	0.1642303	0.24071175	2.5593982	20	4 10.8	19.1
256186 2006 VQ_{77}	16.4	X	344.80934	108.18731	75.82795	8.43179	0.1376917	0.23862265	2.5743145	20	1 29.3	19.4
256187 2006 VH_{78}	16.2	X	275.75106	142.05023	68.14008	14.26090	0.1887161	0.23009758	2.6375134	20	—	—
256188 2006 VO_{79}	16.7	X	65.28020	313.71531	135.67186	2.60410	0.1498219	0.23637132	2.5906348	20	2 10.9	19.6
256189 2006 VD_{80}	16.9	X	171.35034	273.36197	107.07685	3.83280	0.0190181	0.24561541	2.5252185	20	3 15.9	20.2
256190 2006 VC_{84}	15.9	X	232.90512	11.32653	225.84990	7.18534	0.1507552	0.23459843	2.6036703	20	—	—
256191 2006 VX_{84}	16.6	X	62.42767	32.60123	15.57304	13.14669	0.1533783	0.23002504	2.6380679	20	—	—
256192 2006 VU_{85}	16.9	X	330.01812	13.81869	55.89761	3.27427	0.0549118	0.21540232	2.7561475	20	12 15.7	20.4
256193 2006 VP_{87}	16.6	X	88.83966	47.87305	345.07940	4.40283	0.2292302	0.23372805	2.6101301	20	1 17.2	19.6
256194 2006 VD_{88}	16.8	X	206.61007	333.41195	302.55172	3.27009	0.1468221	0.23504244	2.6003902	20	—	—
256195 2006 VY_{88}	17.2	X	143.33473	193.81325	180.95467	4.70465	0.2771745	0.24235144	2.5478409	20	2 26.7	21.4
256196 2006 VG_{89}	15.5	X	200.58064	113.36955	220.19498	5.85120	0.1832369	0.24382249	2.5375827	20	2 17.9	19.8
256197 2006 VH_{89}	16.0	X	32.79847	150.22142	237.79036	8.52611	0.3026034	0.22084428	2.7106823	20	—	—
256198 2006 VA_{90}	16.6	X	13.92003	157.55862	254.34524	3.90347	0.1108426	0.21948636	2.7218510	20	—	—
256199 2006 VD_{90}	16.6	X	59.45514	303.12728	105.10847	3.20555	0.2140623	0.22771962	2.6558431	20	—	—
256200 2006 VY_{92}	16.7	X	291.12837	348.31769	177.18325	4.91517	0.0807361	0.22447715	2.6813569	20	—	—
256201 2006 VW_{93}	16.9	X	140.51073	255.46867	132.62245	3.13140	0.0861302	0.24221044	2.5488296	20	2 23.1	20.3
256202 2006 VV_{94}	16.4	X	64.33084	173.38350	287.88856	4.11544	0.2004626	0.23212943	2.6221000	20	3 2.8	19.1
256203 2006 VW_{94}	16.3	X	12.38334	305.90977	100.25220	10.24357	0.1572695	0.21239536	2.7820998	20	—	—
256204 2006 VY_{94}	16.9	X	181.53669	61.46120	80.95146	5.00517	0.0915560	0.26895234	2.3769452	20	9 11.9	20.3
256205 2006 VB_{96}	16.0	X	32.74252	63.10456	52.83066	22.35434	0.0932309	0.23495628	2.6010259	20	1 22.9	19.5
256206 2006 VV_{96}	16.5	X	55.94157	229.78566	205.55400	1.91966	0.0798580	0.22984074	2.6394780	20	1 1.4	19.7
256207 2006 VD_{103}	16.8	X	109.87980	88.78941	290.15877	4.45985	0.2019566	0.23335860	2.6128843	20	1 22.4	20.1
256208 2006 VG_{103}	17.3	X	94.57108	243.65425	105.65014	4.38498	0.1816969	0.22576886	2.6711197	20	—	—
256209 2006 VW_{103}	16.4	X	94.47388	8.30945	80.39337	11.48158	0.0506350	0.24151032	2.5537532	20	3 15.9	19.9
256210 2006 VN_{111}	16.8	X	29.32901	81.12505	9.05244	5.14301	0.0968903	0.22897488	2.6461279	20	—	—
256211 2006 VR_{111}	16.2	X	217.52387	212.65527	279.83930	5.75306	0.0179028	0.20343211	2.8632310	20	10 4.6	20.3
256212 2006 VG_{112}	16.3	X	13.94831	319.46163	137.49396	5.14301	0.1297127	0.22831494	2.6512244	20	—	—
256213 2006 VS_{113}	15.9	X	49.33982	111.59847	259.74862	12.24587	0.1035410	0.21896022	2.7262096	20	—	—
256214 2006 VD_{117}	16.8	X	125.17970	317.64575	11.25838	2.21531	0.0740751	0.22734030	2.6587965	20	—	—
256215 2006 VH_{117}	16.5	X	165.52454	276.73098	50.06149	7.49418	0.1404558	0.23659860	2.5889754	20	1 11.5	20.6
256216 2006 VD_{122}	15.9	X	73.30440	219.86313	221.58339	11.28182	0.1523725	0.23587923	2.5942366	20	2 8.9	19.2
256217 2006 VF_{123}	16.4	X	63.59396	106.15716	346.43744	2.68679	0.0967258	0.23629632	2.5911830	20	2 6.5	19.3
256218 2006 VN_{123}	16.4	X	119.70764	301.56594	95.01786	3.94187	0.2271727	0.23832774	2.5764377	20	2 29.3	20.2
256219 2006 VW_{124}	16.5	X	175.06559	260.35407	47.64730	5.31939	0.0647455	0.23212992	2.6220963	20	—	—
256220 2006 VB_{129}	16.9	X	307.13653	50.23827	21.97124	5.38690	0.0253865	0.21066730	2.7972930	20	11 15.2	20.7
256221 2006 VB_{132}	17.2	X	88.41183	56.47081	104.33538	1.55680	0.1741752	0.25234472	2.4801231	20	6 26.5	20.5
256222 2006 VE_{134}	16.7	X	136.47499	302.07445	103.41585	3.41815	0.0891240	0.24459790	2.5322169	20	3 12.9	20.1
256223 2006 VV_{139}	16.6	X	104.15482	323.21656	67.11352	5.19681	0.2933526	0.23592853	2.5938752	20	2 13.9	20.2
256224 2006 VV_{140}	16.8	X	66.81683	279.52460	199.31938	1.20767	0.0630246	0.24045507	2.5612193	20	3 12.3	19.7
256225 2006 VY_{144}	16.5	X	164.16661	6.91496	1.91921	7.77067	0.1631002	0.24484538	2.5305103	20	3 2.6	20.4
256226 2006 VS_{146}	16.5	X	125.22563	241.48664	101.89060	4.37895	0.1268261	0.23098932	2.6307209	20	—	—
256227 2006 VU_{146}	15.9	X	74.72198	257.30030	96.48629	6.80408	0.0515406	0.22165708	2.7040516	20	—	—
256228 2006 VY_{146}	16.4	X	171.48085	202.90038	124.74440	4.88517	0.1913631	0.23918811	2.5702556	20	1 20.3	20.6
256229 2006 VC_{148}	16.2	X	43.47207	273.18615	122.60861	13.31362	0.2777308	0.22342402	2.6897761	20	—	—
256230 2006 VO_{149}	16.1	X	0.57613	66.98061	57.84930	8.36492	0.0524588	0.23282087	2.6169059	20	—	—
256231 2006 VG_{151}	16.6	X	17.08402	344.72036	85.09353	4.11965	0.0685511	0.22538860	2.6741232	20	—	—
256232 2006 VV_{151}	16.7	X	141.15134	226.89715	140.58043	5.81108	0.1606582	0.24067937	2.5596277	20	2 5.9	20.4
256233 2006 VA_{152}	16.4	X	148.79862	259.42793	66.54518	11.54946	0.1688818	0.23521364	2.5991282	20	—	—
256234 2006 VD_{152}	16.3	X	287.18132	27.08675	134.11223	3.15396	0.1421845	0.22271675	2.6954676	20	—	—
256235 2006 VH_{153}	16.0	X	41.50245	85.81125	302.01504	4.91535	0.0545833	0.22312394	2.6921873	20	—	—
256236 2006 VK_{154}	16.6	X	274.03076	8.66928	105.91623	1.76873	0.0239352	0.21405594	2.7676926	20	11 27.5	20.1
256237 2006 VM_{172}	16.7	X	67.70069	45.94786	87.22040	5.37052	0.0465933	0.24594218	2.5229813	20	4 2.8	19.8
256238 2006 WD	16.0	X	64.70229	213.06694	237.04098	13.34096	0.1463238	0.23559106	2.5963516	20	2 4.4	19.2
256239 2006 WC_{5}	16.5	X	65.15128	291.55046	93.50041	4.09915	0.0813699	0.22599860	2.6693092	20	—	—
256240 2006 WK_{13}	16.8	X	100.46061	256.41667	112.87091	4.47694	0.2517086	0.23142822	2.6273938	20	1 6.0	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
256241 2006 WN_{13}	16.5	X	88.04806	187.76528	117.76939	4.39049	0.0780827	0.21253623	2.7808703	20	12 13.9	20.6
256242 2006 WR_{13}	16.7	X	137.75069	228.35620	118.50130	4.32985	0.2036238	0.23409884	2.6073732	20	1 13.8	20.4
256243 2006 WG_{15}	15.5	X	198.65054	251.86131	97.40340	13.83648	0.1517724	0.24556182	2.5255860	20	3 14.7	19.8
256244 2006 WM_{16}	15.9	X	345.12841	223.34993	256.38546	12.43912	0.0928525	0.22570759	2.6716031	20	—	—
256245 2006 WW_{23}	16.7	X	99.35477	228.30616	200.62423	4.48832	0.2136353	0.23855382	2.5748097	20	3 13.7	20.0
256246 2006 WM_{24}	16.5	X	119.20403	181.74847	190.40565	4.23569	0.1634298	0.23399054	2.6081778	20	1 18.9	20.1
256247 2006 WS_{26}	16.7	X	82.67831	356.48963	67.78580	4.47448	0.1187855	0.23544953	2.5973920	20	2 1.7	19.8
256248 2006 WD_{27}	16.3	X	106.69132	355.41585	37.21293	3.91208	0.1685128	0.23360247	2.6110655	20	2 1.6	19.7
256249 2006 WC_{28}	16.3	X	6.03600	91.37140	77.12286	4.91139	0.1894253	0.23656624	2.5892116	20	2 9.4	18.7
256250 2006 WE_{28}	17.1	X	125.60405	93.85490	226.60305	5.62165	0.1218886	0.22554971	2.6728497	20	—	—
256251 2006 WF_{28}	16.8	X	134.27051	257.30188	123.10019	2.11314	0.0523607	0.23766824	2.5812017	20	2 1.8	20.0
256252 2006 WC_{29}	17.0	X	0.78584	257.00950	247.52810	3.02350	0.0795570	0.23330323	2.6132977	20	1 6.9	20.1
256253 2006 WE_{36}	16.3	X	339.59015	40.89506	115.93896	5.43986	0.0442931	0.23287262	2.6165182	20	—	—
256254 2006 WO_{40}	16.9	X	26.86938	166.03182	179.60412	6.34817	0.0824698	0.20973292	2.8055950	20	11 21.0	20.6
256255 2006 WR_{44}	16.7	X	116.04502	225.06681	90.86636	11.60486	0.2073496	0.22508807	2.6765030	20	—	—
256256 2006 WV_{48}	16.3	X	124.04281	219.95755	151.49063	2.33130	0.1625933	0.23571211	2.5954627	20	1 23.9	19.8
256257 2006 WA_{49}	16.5	X	174.32746	259.63344	86.74601	6.92333	0.2531021	0.24344484	2.5402064	20	2 18.9	21.0
256258 2006 WB_{51}	16.3	X	177.51367	352.64621	274.02906	1.82492	0.0537571	0.22190439	2.7020421	20	—	—
256259 2006 WL_{52}	15.9	X	169.87319	222.31992	55.11155	8.02669	0.0945649	0.22379762	2.6867819	20	—	—
256260 2006 WH_{54}	16.9	X	129.55540	359.02997	45.72437	4.26422	0.1706087	0.24126046	2.5555160	20	3 14.3	20.6
256261 2006 WN_{55}	16.6	X	52.37486	106.43791	264.21760	5.06270	0.0365281	0.21758233	2.7377070	20	—	—
256262 2006 WS_{63}	16.5	X	186.97844	325.02968	332.40784	4.21198	0.0978455	0.23317710	2.6142400	20	—	—
256263 2006 WH_{66}	16.4	X	170.11885	227.72462	133.57704	3.11631	0.1847319	0.24373899	2.5381622	20	2 28.2	20.5
256264 2006 WW_{70}	16.5	X	87.24631	64.60304	290.46923	1.50436	0.0958870	0.22569474	2.6717045	20	—	—
256265 2006 WA_{74}	16.7	X	134.24665	358.10305	248.16697	5.25255	0.0438551	0.21122831	2.7923378	20	11 19.8	20.6
256266 2006 WG_{76}	16.4	X	138.28645	200.68667	62.33680	9.39979	0.1286828	0.21605436	2.7505995	20	12 15.3	20.9
256267 2006 WJ_{76}	16.8	X	46.73381	177.87289	232.55947	1.20344	0.0854974	0.22638438	2.6662758	20	—	—
256268 2006 WP_{80}	16.9	X	344.74494	83.36300	7.29858	1.82536	0.0382784	0.22069143	2.7119337	20	—	—
256269 2006 WE_{81}	16.7	X	298.51410	89.53828	46.37079	5.98886	0.0312859	0.22035755	2.7146724	20	—	—
256270 2006 WV_{82}	16.6	X	96.18813	168.81079	137.18216	3.19073	0.0521010	0.21397829	2.7683622	20	12 21.3	20.5
256271 2006 WL_{88}	16.4	X	175.48477	208.01812	134.45178	3.67686	0.1438324	0.24105649	2.5569574	20	2 7.9	20.4
256272 2006 WA_{90}	15.9	X	77.28009	194.89031	105.83251	6.07884	0.0624761	0.20609503	2.8385140	20	11 23.9	20.0
256273 2006 WK_{90}	16.7	X	67.10026	302.80102	129.69850	4.13467	0.1171014	0.22753339	2.6572921	20	1 19.3	19.8
256274 2006 WE_{91}	16.3	X	91.99943	275.44193	37.25609	13.48698	0.2169361	0.22052946	2.7132614	20	—	—
256275 2006 WZ_{94}	17.1	X	120.73471	91.50881	212.18094	5.60668	0.2024421	0.22417473	2.6837679	20	—	—
256276 2006 WJ_{98}	16.6	X	150.93793	257.41856	65.93899	13.79326	0.1921000	0.23273016	2.6175858	20	—	—
256277 2006 WV_{98}	17.0	X	162.88035	85.48638	240.73206	10.36551	0.1893303	0.23616498	2.5921435	20	1 9.5	21.3
256278 2006 WH_{104}	16.6	X	335.47060	100.19042	74.97554	5.88769	0.0954536	0.23281049	2.6169837	20	1 8.9	19.9
256279 2006 WQ_{104}	16.7	X	187.23846	167.05829	87.04744	4.44937	0.1752155	0.22135421	2.7065176	20	—	—
256280 2006 WX_{104}	16.2	X	67.92852	243.53671	84.00542	4.51855	0.0888744	0.21382232	2.7697082	20	12 19.6	20.0
256281 2006 WK_{105}	16.5	X	160.08431	61.56732	233.71817	4.13055	0.0804063	0.22544316	2.6736918	20	—	—
256282 2006 WT_{105}	17.2	X	292.76430	96.58809	160.06040	1.08416	0.0675229	0.24393588	2.5367963	20	2 28.6	20.6
256283 2006 WQ_{112}	16.1	X	154.32266	32.32889	329.02035	4.04921	0.2810960	0.24025261	2.5626580	20	2 20.6	20.6
256284 2006 WJ_{115}	16.2	X	81.37797	259.79151	129.64386	5.64134	0.1883558	0.23039027	2.6352791	20	—	—
256285 2006 WZ_{115}	16.6	X	98.99807	261.63804	132.01081	2.66261	0.1237350	0.23314965	2.6144451	20	1 15.4	19.8
256286 2006 WC_{116}	15.9	X	128.44365	187.32618	196.61208	4.19258	0.1462885	0.23664139	2.5886634	20	2 10.2	19.7
256287 2006 WN_{120}	16.6	X	134.75567	295.18642	65.35607	1.15259	0.1114460	0.23488913	2.6015216	20	1 16.6	20.2
256288 2006 WE_{124}	16.7	X	226.91415	43.54589	202.55919	14.74732	0.0815823	0.23370304	2.6103164	20	—	—
256289 2006 WF_{127}	16.1	X	277.41770	257.75825	128.09576	4.27898	0.0472991	0.18384814	3.0631144	20	8 1.7	20.2
256290 2006 WL_{128}	16.9	X	328.86575	118.24680	54.05373	4.46444	0.0325234	0.23276126	2.6173527	20	1 4.9	20.3
256291 2006 WZ_{129}	16.8	X	226.74800	224.72082	62.98134	5.07964	0.1749477	0.24295073	2.5436494	20	1 19.8	21.0
256292 2006 WF_{130}	16.6	X	240.18616	114.39549	44.36087	3.79656	0.0376864	0.21207038	2.7849412	20	12 6.5	20.5
256293 2006 WY_{131}	16.2	X	352.50416	163.92691	243.95627	5.19397	0.0572558	0.21581310	2.7526490	20	12 19.9	19.6
256294 2006 WL_{132}	17.2	X	181.88048	346.26385	256.88468	1.24914	0.0138165	0.22031851	2.7149931	20	—	—
256295 2006 WS_{134}	16.4	X	168.46174	279.38098	9.26004	6.88189	0.1899920	0.23249229	2.6193710	20	—	—
256296 2006 WC_{135}	16.0	X	80.16581	296.08699	122.69177	16.12825	0.2102137	0.23614425	2.5922952	20	2 3.4	18.8
256297 2006 WE_{136}	16.9	X	171.66547	28.54418	214.09185	3.36098	0.0270559	0.21774966	2.7363043	20	12 30.2	20.7
256298 2006 WU_{136}	16.4	X	34.83441	27.26347	354.28206	6.13012	0.0405558	0.22070282	2.7118404	20	—	—
256299 2006 WJ_{139}	16.7	X	37.85003	311.51560	225.98074	2.56651	0.0457919	0.24769128	2.5110897	20	4 16.3	19.7
256300 2006 WK_{140}	16.2	X	297.79619	67.22365	80.35382	7.27152	0.0546049	0.22126982	2.7072057	20	—	—
256301 2006 WF_{150}	17.0	X	75.64898	25.73954	63.82021	3.76141	0.1832696	0.23630457	2.5911227	20	3 6.4	19.9
256302 2006 WQ_{166}	17.1	X	156.46679	50.18959	252.75938	1.25848	0.1975696	0.22932522	2.6434321	20	—	—
256303 2006 WW_{173}	16.5	X	132.27344	358.88458	220.59171	3.46082	0.0256884	0.20215096	2.8753156	20	10 12.7	20.6
256304 2006 WD_{176}	16.4	X	290.03098	89.95246	133.99492	5.54813	0.0495604	0.23310856	2.6147524	20	1 17.9	19.9
256305 2006 WM_{178}	15.3	X	122.38978	310.39937	293.73927	6.90592	0.1556337	0.18933173	3.0036808	20	11 3.5	20.3
256306 2006 WG_{184}	16.3	X	314.67572	27.20566	63.14152	5.90103	0.0515500	0.20858663	2.8158644	20	12 18.2	19.8
256307 2006 WN_{185}	16.5	X	109.42435	276.17205	95.46616	11.18073	0.1832002	0.23675000	2.5878716	20	1 9.6	19.9
256308 2006 WO_{185}	16.6	X	165.96690	238.01580	77.80842	13.53061	0.2879060	0.24123832	2.5556724	20	1 7.9	21.1
256309 2006 WJ_{186}	16.7	X	132.95014	24.67037	24.08325	8.89411	0.1188633	0.24307509	2.5427817	20	3 17.8	20.3
256310 2006 WL_{186}	15.7	X	135.83756	4.58349	45.76022	14.38804	0.2267509	0.24028393	2.5624353	20	4 5.3	19.9
256311 2006 WR_{189}	15.5	X	186.58649	110.91135	222.59339	14.64101	0.1886720	0.24142416	2.5543608	20	2 3.7	20.0
256312 2006 WU_{190}	16.7	X	67.76480	327.42660	73.45284	3.93811	0.1701841	0.22659219	2.6646454	20	—	—
256313 2006 WW_{191}	16.6	X	112.81783	95.85077	79.89394	8.01219	0.0415018	0.26327931	2.4109686	20	8 2.3	19.8
256314 2006 WE_{193}	16.4	X	67.01606	338.80186	97.50050	2.85330	0.0099174	0.23275948	2.6173661	20	1 12.7	19.6
256315 2006 WS_{193}	15.4	X	356.20353	183.14321	89.89832	9.03460	0.1682058	0.18035172	3.1025767	20	6 25.6	18.7
256316 2006 WX_{193}	16.6	X	326.83735	219.61927	232.41611	5.45461	0.0467021	0.21492840	2.7601976	20	—	—
256317 2006 WA_{194}	15.3	X	15.18231	166.18514	89.81053	17.36156	0.0400354	0.18466776	3.0540443	20	6 29.7	19.4
256318 2006 WA_{199}	15.6	X	184.92452	318.75765	267.24812	10.88584	0.1220570	0.21460609	2.7629606	20	12 16.2	19.9
256319 2006 XB_{4}	17.0	X	192.58094	224.54647	125.53773	0.94649	0.1114891	0.24413675	2.5354046	20	3 3.4	20.7
256320 2006 XK_{5}	16.1	X	61.23151	262.16840	177.04552	13.06521	0.1205284	0.23497205	2.6009095	20	1 15.7	19.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
256321 2006 XL_6	15.5	X	158.37109	239.20417	57.75795	15.37424	0.1327587	0.22604016	2.6689820	20	—	—
256322 2006 XN_6	16.4	X	72.52812	259.96798	105.31870	12.84011	0.2757223	0.22589843	2.6700982	20	—	—
256323 2006 XQ_7	17.3	X	359.13394	26.22139	44.55602	2.51133	0.0483908	0.21677453	2.7445041	20	—	—
256324 2006 XY_{11}	15.9	X	291.58371	120.86200	73.76269	13.93083	0.0865228	0.22656371	2.6648687	20	—	—
256325 2006 XA_{18}	15.9	X	213.07483	185.30337	81.99177	6.14175	0.0906790	0.22154213	2.7049869	20	—	—
256326 2006 XK_{18}	16.2	X	155.09325	330.16342	44.61138	2.45450	0.3421885	0.24165106	2.5527615	20	3 12.3	20.7
256327 2006 XL_{18}	17.1	X	359.07667	81.36187	0.56347	2.42789	0.1447698	0.21654881	2.7464109	20	—	—
256328 2006 XJ_{21}	15.3	X	12.27108	138.46393	276.06906	17.35254	0.2955423	0.22138164	2.7062940	20	—	—
256329 2006 XD_{23}	16.5	X	50.05481	296.44800	102.84877	3.06181	0.0851741	0.22253203	2.6969591	20	—	—
256330 2006 XF_{25}	16.3	X	155.19718	275.86889	68.67968	3.88486	0.0715435	0.23351621	2.6117085	20	1 15.9	19.9
256331 2006 XV_{25}	16.3	X	56.68757	308.23900	95.83377	3.13536	0.0897289	0.22625229	2.6673135	20	—	—
256332 2006 XN_{26}	16.3	X	117.88712	256.42865	166.77741	4.66835	0.1017606	0.24119347	2.5559893	20	3 14.1	19.6
256333 2006 XM_{27}	15.9	X	6.12135	3.16480	80.99352	14.47968	0.0601972	0.22102637	2.7091933	20	—	—
256334 2006 XP_{27}	15.8	X	89.60329	295.25648	81.05728	13.97345	0.3065051	0.23017346	2.6369338	20	1 9.0	18.9
256335 2006 XQ_{27}	16.9	X	61.90199	147.28500	279.35339	2.15928	0.1399904	0.22964009	2.6410152	20	1 4.8	19.6
256336 2006 XS_{27}	16.4	X	17.65792	343.34771	72.17227	4.93206	0.2649433	0.21956973	2.7211620	20	—	—
256337 2006 XS_{28}	16.4	X	317.98743	89.18651	93.66668	4.99134	0.1033362	0.22971998	2.6404029	20	—	—
256338 2006 XR_{29}	16.2	X	325.19609	87.70403	85.99642	15.53836	0.0380211	0.23076864	2.6323978	20	—	—
256339 2006 XM_{30}	16.5	X	65.02534	339.45305	110.35475	6.05387	0.1454748	0.23200199	2.6230601	20	2 12.5	19.3
256340 2006 XP_{30}	16.6	X	44.70736	106.83402	197.32064	1.60664	0.0495931	0.20279855	2.8691911	20	10 15.5	20.5
256341 2006 XO_{31}	17.1	X	126.82052	264.92718	127.46529	1.33335	0.0625586	0.23643362	2.5901797	20	2 9.4	20.6
256342 2006 XE_{34}	16.0	X	116.11940	247.73830	38.02862	4.90563	0.0402295	0.20955287	2.8072018	20	12 16.9	20.2
256343 2006 XA_{36}	15.8	X	112.60276	265.11666	143.48896	11.84333	0.1152661	0.23899162	2.5716643	20	2 20.1	19.3
256344 2006 XC_{37}	16.9	X	80.26347	81.00178	346.18214	0.98994	0.1768000	0.23136083	2.6279040	20	2 10.1	20.0
256345 2006 XG_{39}	15.8	X	358.59831	228.60454	104.84736	11.16555	0.0720241	0.19368152	2.9585387	20	9 25.3	19.7
256346 2006 XP_{40}	16.5	X	346.54188	315.21898	119.47062	5.00470	0.0794471	0.21493012	2.7601829	20	—	—
256347 2006 XT_{42}	16.1	X	90.66234	190.12599	104.32374	3.28565	0.0400468	0.20311663	2.8661950	20	11 27.9	20.1
256348 2006 XW_{42}	16.5	X	54.80610	310.53269	110.93767	3.77489	0.0478778	0.22243205	2.6977672	20	—	—
256349 2006 XF_{43}	16.2	X	355.21671	181.79364	285.40930	12.40668	0.1510191	0.21882991	2.7272917	20	—	—
256350 2006 XX_{45}	16.2	X	126.39174	107.79373	272.69407	13.78826	0.0851244	0.23639755	2.5904432	20	1 24.5	19.8
256351 2006 XT_{47}	16.0	X	293.43592	94.74962	84.20239	14.16294	0.1483140	0.21979592	2.7192948	20	—	—
256352 2006 XB_{48}	16.3	X	5.78237	280.92705	157.77847	5.24938	0.1438391	0.21711083	2.7416692	20	—	—
256353 2006 XG_{54}	15.3	X	351.08756	87.23723	81.15969	18.11036	0.1911925	0.22928327	2.6437546	20	1 10.9	18.3
256354 2006 XG_{55}	16.4	X	78.41978	176.82905	270.47108	2.72537	0.1241210	0.23600560	2.5933104	20	2 24.0	19.4
256355 2006 XW_{55}	15.5	X	142.08911	241.11282	156.65755	12.22777	0.2012437	0.24238258	2.5476227	20	3 20.9	19.5
256356 2006 XZ_{56}	16.3	X	30.36814	139.63818	0.20266	6.25470	0.1232491	0.23794927	2.5791690	20	2 18.4	19.0
256357 2006 XH_{57}	16.1	X	71.81997	73.74717	13.25413	9.58557	0.1013181	0.23740887	2.5830814	20	2 15.6	19.2
256358 2006 XR_{57}	15.9	X	91.64005	98.68572	251.09581	15.19842	0.2312217	0.22561213	2.6723566	20	—	—
256359 2006 XR_{58}	16.8	X	86.89909	295.90671	84.98657	5.70494	0.2259162	0.22610213	2.6684943	20	—	—
256360 2006 XG_{59}	16.0	X	270.80078	165.21270	295.19366	4.85021	0.0520396	0.20223969	2.8744745	20	10 27.8	20.0
256361 2006 XN_{59}	16.7	X	39.83800	283.09947	77.30081	8.62899	0.2369031	0.21226159	2.7832685	20	—	—
256362 2006 XE_{64}	16.7	X	68.64053	231.61284	190.42493	13.89079	0.2201995	0.23270137	2.6178018	20	1 17.4	19.7
256363 2006 XL_{64}	15.8	X	338.81758	50.48957	63.70124	14.90346	0.1104169	0.21851480	2.7299131	20	—	—
256364 2006 XW_{64}	16.6	X	138.37374	246.48808	98.75555	4.55811	0.3298850	0.23614112	2.5923182	20	1 25.2	20.8
256365 2006 XX_{64}	16.1	X	134.86303	249.91426	85.26657	15.83247	0.1573046	0.22952003	2.6419362	20	—	—
256366 2006 XF_{66}	15.4	X	334.19125	127.06562	295.74015	12.52523	0.1737810	0.21065851	2.7973709	20	12 18.9	18.3
256367 2006 XH_{67}	15.8	X	83.60690	289.88526	122.25430	13.95158	0.2039690	0.22853497	2.6495225	20	1 31.2	18.9
256368 2006 YV_2	16.9	X	59.56881	341.06765	131.89408	2.25642	0.1559346	0.23395481	2.6084433	20	3 6.8	19.6
256369 Vilain	17.6	X	96.78705	347.58600	59.42909	0.48131	0.3117694	0.23363492	2.6108237	20	2 27.4	21.1
256370 2006 YS_3	15.2	X	183.40570	246.53685	234.46101	9.32457	0.0993065	0.18984838	2.9982289	20	8 3.3	20.0
256371 2006 YA_5	16.6	X	176.64500	216.68014	133.02432	2.16310	0.1143489	0.24208850	2.5496855	20	2 16.3	20.4
256372 2006 YV_9	16.4	X	116.35140	309.07205	91.03099	4.76516	0.1656273	0.23593653	2.5938165	20	2 22.6	20.0
256373 2006 YD_{10}	15.5	X	96.03637	225.77475	71.47816	17.57010	0.2193891	0.21369195	2.7708346	20	12 21.1	20.2
256374 Danielpequignot	16.7	X	317.01910	261.24403	223.99732	7.74824	0.1601678	0.21704663	2.7422099	20	—	—
256375 2006 YW_{14}	16.3	X	1.95891	7.91233	106.09322	4.39851	0.0720498	0.22150135	2.7053189	20	—	—
256376 2006 YM_{16}	16.0	X	1.31038	296.66196	115.73829	19.14955	0.2524000	0.21232892	2.7826801	20	—	—
256377 2006 YZ_{16}	16.8	X	43.47162	84.85219	301.02735	3.20345	0.0825576	0.21267480	2.7796622	20	—	—
256378 2006 YG_{18}	16.3	X	37.67888	315.17176	105.62835	5.51238	0.1539477	0.22067377	2.7120784	20	—	—
256379 2006 YT_{18}	16.0	X	95.90899	92.86829	118.13272	6.57485	0.0870752	0.18519939	3.0481968	20	8 26.2	20.4
256380 2006 YW_{25}	16.0	X	223.21522	137.74457	81.31978	7.34385	0.0354768	0.21499579	2.7596208	20	—	—
256381 2006 YH_{26}	16.5	X	331.69990	17.76686	37.84025	2.54340	0.0590000	0.20570621	2.8420897	20	11 27.4	19.9
256382 2006 YR_{26}	16.1	X	24.94820	170.49126	87.91676	6.26553	0.1312074	0.18208188	3.0828914	20	7 27.4	19.9
256383 2006 YF_{34}	16.4	X	51.57370	305.01280	62.01365	6.91474	0.0739494	0.21083098	2.7958451	20	—	—
256384 2006 YS_{35}	16.5	X	109.79701	317.51734	78.13649	6.85063	0.2627987	0.23313917	2.6145235	20	2 24.0	20.3
256385 2006 YS_{37}	15.5	X	45.35074	325.66350	321.95160	9.74168	0.1095092	0.19007118	2.9958855	20	9 27.3	19.7
256386 2006 YZ_{37}	16.5	X	221.20831	110.93281	339.86974	5.21361	0.1570057	0.18759064	3.0222376	20	8 4.5	21.2
256387 2006 YH_{39}	16.5	X	323.78878	216.23863	206.74882	5.87711	0.0327620	0.21150537	2.7898988	20	11 27.7	20.1
256388 2006 YE_{42}	16.1	X	150.92052	151.16188	113.21029	5.45287	0.0290498	0.21156050	2.7894141	20	12 31.2	20.0
256389 2006 YU_{43}	16.1	X	30.79642	144.66539	297.51063	17.71681	0.3024166	0.22448348	2.6813065	20	—	—
256390 2006 YS_{44}	15.6	X	117.16559	58.26081	195.26290	8.98997	0.0653403	0.19772980	2.9180180	20	11 9.7	19.9
256391 2006 YA_{45}	15.9	X	81.18941	209.09713	112.57679	4.36600	0.0861967	0.21362996	2.7713706	20	12 26.8	20.0
256392 2006 YB_{50}	16.3	X	340.80950	346.35640	116.18285	9.60517	0.1782242	0.21450564	2.7638230	20	—	—
256393 2006 YH_{51}	16.3	X	62.20912	269.87451	82.41525	5.87833	0.0687398	0.20965393	2.8062996	20	—	—
256394 2006 YL_{51}	16.4	X	36.35623	199.19988	122.12978	3.09736	0.0954442	0.19802584	2.9151091	20	11 2.2	20.2
256395 2006 YA_{55}	16.9	X	116.87996	260.03691	55.60408	3.56225	0.0598137	0.21354049	2.7721447	20	—	—
256396 2007 AZ_1	15.7	X	77.98041	314.46813	96.89898	22.69682	0.1017848	0.22713896	2.6603675	20	1 6.1	18.8
256397 2007 AD_5	16.5	X	19.92409	93.31300	278.88756	1.00587	0.0544952	0.20660424	2.8338481	20	12 9.3	20.1
256398 2007 AT_7	15.8	X	174.42510	315.97457	56.29907	5.16256	0.2915105	0.24194258	2.5507106	20	3 21.7	20.5
256399 2007 AU_7	16.4	X	67.31758	294.84120	142.33678	4.81527	0.3553320	0.23062035	2.6335261	20	3 4.4	18.8
256400 2007 AS_{10}	16.1	X	77.13018	203.31706	128.49470	9.41665	0.0818556	0.20878914	2.8140433	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
256401 2007 AZ_{11}	15.8	X	345.18779	329.92922	158.65163	14.97950	0.1358139	0.21711767	2.7416116	20	—	—
256402 2007 AR_{15}	16.6	X	288.57529	267.34172	164.06265	2.21010	0.1036686	0.19943512	2.9013600	20	10 10.9	20.1
256403 2007 AJ_{16}	16.5	X	43.53623	180.61656	267.44551	3.22604	0.1983031	0.22579136	2.6709423	20	1 4.8	18.7
256404 2007 AY_{17}	16.4	X	344.45350	50.00136	20.73638	6.92026	0.1101760	0.21160007	2.7890663	20	—	—
256405 2007 AJ_{18}	16.5	X	29.46165	304.84684	138.95732	11.65514	0.2681538	0.22264227	2.6960688	20	—	—
256406 2007 AP_{18}	16.0	X	37.08332	93.73239	89.61325	14.20788	0.1189197	0.23775620	2.5805651	20	5 7.2	19.0
256407 2007 AV_{18}	16.4	X	133.77703	356.61840	71.58150	8.25716	0.1755313	0.24079860	2.5587827	20	4 19.0	20.4
256408 2007 AW_{18}	16.2	X	64.40580	306.56018	109.84073	10.05025	0.2520018	0.22474904	2.6791939	20	1 10.8	18.7
256409 2007 AT_{22}	16.2	X	119.38663	195.49453	181.44986	6.16463	0.3449125	0.23377539	2.6097777	20	2 15.8	20.3
256410 2007 AX_{25}	15.7	X	293.44472	330.74684	160.23978	9.69635	0.1040213	0.20893590	2.8127254	20	—	—
256411 2007 AC_{28}	16.4	X	171.43446	334.36789	164.66586	2.00615	0.0305196	0.18458691	3.0549360	20	8 17.0	20.9
256412 2007 BT_{2}	16.9	X	131.49307	149.02863	30.99316	26.85724	0.2239343	0.47257224	1.6323900	20	10 8.0	19.1
256413 2007 BJ_{6}	16.0	X	162.51606	274.84440	205.31169	7.11516	0.1755310	0.17956722	3.1116066	20	7 14.5	21.3
256414 2007 BG_{9}	16.5	X	54.88554	356.69963	75.11267	9.04479	0.2213966	0.22561885	2.6723036	20	1 8.7	18.9
256415 2007 BT_{9}	16.0	X	283.96040	49.37951	328.54922	11.12017	0.0853036	0.18458016	3.0550105	20	7 27.8	20.2
256416 2007 BV_{10}	16.5	X	260.63327	90.84191	87.42825	5.30017	0.0788295	0.20963672	2.8064533	20	—	—
256417 2007 BY_{14}	16.6	X	301.43599	337.13811	81.04540	3.12774	0.0612342	0.19658548	2.9293308	20	10 17.4	20.4
256418 2007 BE_{15}	16.6	X	308.52053	287.20046	71.64498	3.06237	0.0942273	0.18557811	3.0440484	20	8 5.2	20.5
256419 2007 BH_{21}	15.6	X	349.33701	234.71491	100.35988	10.22557	0.0240676	0.19049392	2.9914515	20	9 10.5	19.8
256420 2007 BJ_{22}	16.3	X	269.77208	329.06014	83.74537	2.93844	0.1323619	0.19061464	2.9901884	20	8 15.5	20.4
256421 2007 BE_{23}	16.7	X	64.14976	356.03350	332.58821	1.29270	0.0708296	0.20381704	2.8596248	20	12 11.9	20.7
256422 2007 BD_{34}	16.0	X	166.02601	101.16560	130.96107	2.92697	0.0201202	0.20435773	2.8545786	20	12 8.5	19.9
256423 2007 BW_{36}	15.5	X	20.50536	173.00532	104.94810	5.55082	0.0573720	0.18326939	3.0695598	20	8 8.0	19.6
256424 2007 BU_{44}	16.3	X	358.56268	297.19485	271.43996	4.09855	0.0768185	0.23586483	2.5943422	20	3 28.2	19.4
256425 2007 BY_{46}	16.1	X	44.81082	139.49330	74.47420	2.99266	0.0654377	0.17015566	3.2253124	20	6 18.9	20.5
256426 2007 BU_{49}	16.5	X	1.66040	293.12611	144.02558	14.72380	0.1963690	0.21384560	2.7695072	20	—	—
256427 2007 BY_{53}	15.9	X	344.70707	249.19654	36.01049	1.45140	0.1633566	0.17532266	3.1616273	20	6 19.7	19.5
256428 2007 BQ_{55}	15.2	X	52.60601	263.22882	324.21982	10.43107	0.0352180	0.17832282	3.1260657	20	7 15.5	19.5
256429 2007 BD_{61}	16.6	X	334.29906	129.54091	308.67346	3.32173	0.0411130	0.20936557	2.8088758	20	12 30.5	20.2
256430 2007 BG_{69}	16.5	X	200.00096	346.89401	140.13939	1.54048	0.1214883	0.18629174	3.0362695	20	8 29.9	21.0
256431 2007 BG_{73}	16.6	X	5.58640	292.37274	132.15476	9.91574	0.2403081	0.21238762	2.7821673	20	—	—
256432 2007 BD_{74}	16.1	X	17.07456	335.57277	335.66673	3.33711	0.0431883	0.19086287	2.9875952	20	9 13.9	20.1
256433 2007 BS_{77}	15.8	X	299.31358	199.47714	149.95533	10.51232	0.1019547	0.17857205	3.1231564	20	7 6.7	20.1
256434 2007 CJ	15.9	X	72.28892	239.59582	211.65941	15.95348	0.1734370	0.23530056	2.5984881	20	2 23.2	19.2
256435 2007 CH_{5}	16.6	X	42.35505	235.15890	232.43887	7.23210	0.3467249	0.22784010	2.6549068	20	2 11.7	18.2
256436 2007 CS_{10}	16.3	X	172.58081	0.45573	132.23200	3.42548	0.0606442	0.18302731	3.0722657	20	8 10.2	20.7
256437 2007 CA_{12}	16.0	X	339.88645	260.67092	104.78003	3.97428	0.1401289	0.19116292	2.9844681	20	10 6.0	19.4
256438 2007 CM_{14}	17.1	X	330.75272	264.92057	171.18171	2.03045	0.0429784	0.20329235	2.8645430	20	12 21.2	20.8
256439 2007 CN_{15}	16.3	X	37.03334	25.23729	68.77479	8.77292	0.2577711	0.22560117	2.6724432	20	—	—
256440 2007 CJ_{16}	16.7	X	284.79191	15.83655	82.80169	2.31424	0.1529339	0.20385901	2.8592323	20	11 4.6	20.1
256441 2007 CD_{22}	15.7	X	352.70347	36.25258	316.88246	10.07754	0.0893034	0.19236705	2.9720008	20	10 1.9	19.6
256442 2007 CJ_{22}	15.5	X	223.48911	116.98402	318.44789	15.25490	0.0854511	0.18258589	3.0772154	20	7 26.2	20.1
256443 2007 CK_{28}	16.8	X	184.72830	262.09052	296.49491	1.07501	0.0549046	0.19694019	2.9258124	20	11 14.6	21.1
256444 2007 CG_{29}	16.6	X	310.44910	297.48220	131.72154	2.90572	0.0536572	0.20081530	2.8880509	20	11 14.5	20.3
256445 2007 CC_{36}	16.3	X	320.88291	235.88539	128.79811	3.37330	0.1188888	0.18903180	3.0068572	20	8 30.9	19.7
256446 2007 CM_{41}	15.8	X	257.06863	250.57161	146.78098	10.79102	0.0879624	0.18037738	3.1022824	20	7 14.3	20.3
256447 2007 CQ_{41}	15.3	X	28.87959	306.19390	320.13738	9.05952	0.0553054	0.17763514	3.1341285	20	8 3.7	19.4
256448 2007 CR_{41}	15.9	X	264.77058	119.26591	321.04116	9.21145	0.0821370	0.19116812	2.9844140	20	9 16.6	20.1
256449 2007 CC_{43}	16.1	X	227.94933	141.55003	314.82669	3.20234	0.1747915	0.18740043	3.0242823	20	8 15.2	20.8
256450 2007 CV_{44}	15.4	X	309.00260	79.42455	305.35560	8.94187	0.0447271	0.18979556	2.9987851	20	9 9.8	19.5
256451 2007 CQ_{46}	16.6	X	138.79944	329.95875	102.52772	4.62134	0.1649384	0.24062973	2.5599797	20	4 27.3	20.5
256452 2007 CN_{47}	16.4	X	16.64861	68.48500	300.02452	5.12332	0.0758502	0.20269968	2.8701241	20	12 1.5	20.2
256453 2007 CD_{49}	16.4	X	332.48124	241.59862	176.86434	6.25447	0.0870188	0.20163914	2.8801791	20	12 3.2	20.0
256454 2007 CK_{53}	16.9	X	8.80119	302.31225	125.33445	8.49154	0.2161358	0.21344908	2.7729361	20	—	—
256455 2007 CR_{53}	15.4	X	102.21883	24.44702	176.58275	10.36672	0.0515523	0.17872086	3.1214225	20	8 12.6	20.0
256456 2007 CX_{54}	15.1	X	93.91324	329.87721	240.65835	12.21440	0.1799026	0.18144939	3.0900514	20	8 26.5	20.1
256457 2007 CW_{57}	15.7	X	146.59742	163.43953	58.69409	8.06491	0.1703381	0.19106583	2.9854791	20	11 2.8	20.6
256458 2007 CE_{60}	15.2	X	157.34966	234.84379	301.40415	8.44730	0.0385452	0.18526151	3.0475154	20	9 12.7	19.8
256459 2007 CQ_{65}	16.0	X	284.08722	158.74656	67.47953	16.63342	0.1881053	0.21713621	2.7414556	20	—	—
256460 2007 DL	16.0	X	71.43941	285.36408	172.08606	28.34122	0.3755439	0.23189520	2.6238654	20	4 13.9	19.5
256461 2007 DV_{7}	15.9	X	252.17757	331.35227	102.26308	11.18705	0.0531154	0.18587554	3.0408002	20	9 2.9	20.3
256462 2007 DD_{12}	15.4	X	204.30594	136.17236	357.85647	13.34711	0.1008149	0.19019365	2.9945992	20	9 14.7	19.9
256463 2007 DJ_{12}	16.1	X	97.75834	139.69426	280.00215	11.29351	0.1655057	0.22872675	2.6480412	20	2 18.6	19.8
256464 2007 DU_{13}	16.7	X	69.76622	13.86552	347.74899	3.33143	0.1104182	0.21406608	2.7676052	20	—	—
256465 2007 DE_{22}	15.6	X	241.17714	81.53952	341.61359	9.16858	0.0761111	0.17991018	3.1076509	20	8 1.3	20.1
256466 2007 DF_{23}	16.1	X	116.80005	186.86655	326.04220	3.27123	0.1101877	0.17181068	3.2045664	20	7 8.3	21.0
256467 2007 DU_{29}	15.4	X	353.38993	192.95577	118.46525	2.59501	0.0595490	0.17669088	3.1452847	20	8 11.1	19.3
256468 2007 DK_{34}	16.4	X	203.22526	326.43219	146.39017	2.01609	0.1168324	0.18167405	3.0875035	20	8 15.3	21.2
256469 2007 DT_{34}	15.7	X	263.38105	223.65050	164.76464	10.97711	0.0520872	0.17421160	3.1750556	20	7 15.1	20.3
256470 2007 DC_{36}	15.7	X	225.41188	95.23889	346.58491	13.55514	0.0810448	0.17942746	3.1132221	20	8 7.6	20.4
256471 2007 DE_{38}	16.1	X	6.09041	46.82147	325.81312	3.16452	0.0114255	0.19175530	2.9783185	20	11 12.6	20.2
256472 2007 DR_{45}	15.9	X	50.07002	26.78259	299.92999	12.04556	0.0906885	0.20203547	2.8764112	20	11 23.4	20.1
256473 2007 DH_{49}	16.2	X	185.07426	40.55543	119.13491	3.00206	0.0405749	0.18806789	3.0171226	20	9 29.7	20.5
256474 2007 DF_{55}	15.3	X	92.63797	242.13493	345.45658	10.39813	0.1043529	0.18016734	3.1046931	20	9 11.7	19.8
256475 2007 DF_{57}	15.9	X	292.91847	217.87361	151.69689	10.25015	0.0973648	0.17970584	3.1100062	20	7 24.2	20.1
256476 2007 DF_{61}	15.9	X	132.31152	55.02228	99.78052	10.31077	0.0677603	0.17665896	3.1456636	20	7 24.5	20.6
256477 2007 DN_{64}	15.7	X	106.91173	141.93551	104.24316	2.13117	0.0767764	0.18680749	3.0306785	20	10 19.6	20.1
256478 2007 DO_{93}	15.4	X	216.92762	324.81770	142.11934	10.57555	0.0364839	0.18267969	3.0761620	20	8 31.6	19.7
256479 2007 DV_{93}	15.4	X	270.07469	55.29945	14.16543	8.32947	0.0834740	0.18704533	3.0281087	20	9 14.5	19.5
256480 2007 DG_{95}	15.8	X	152.09194	42.90687	111.38647	5.08530	0.0929650	0.17852654	3.1236871	20	8 15.9	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
256481 2007 DU_{101}	15.4	X	359.02760	93.44483	5.64369	12.61843	0.2282591	0.22407153	2.6845918	20	—	—
256482 2007 DV_{101}	15.8	X	65.51816	263.66237	354.83378	4.59560	0.1327733	0.18180870	3.0859788	20	9 22.7	20.1
256483 2007 DJ_{110}	15.9	X	189.44198	281.62364	176.42812	10.02444	0.1031431	0.17557321	3.1586188	20	7 13.1	20.9
256484 2007 DN_{110}	16.3	X	204.11595	220.36698	219.16420	1.42209	0.1286612	0.17408804	3.1765578	20	7 4.9	21.3
256485 2007 DK_{111}	16.2	X	325.80924	187.96929	165.79542	1.84835	0.1362725	0.18272311	3.0756747	20	8 21.2	19.6
256486 2007 EN_{8}	15.8	X	314.35060	225.42720	178.03365	4.66521	0.2224738	0.19030272	2.9934549	20	10 2.1	18.7
256487 2007 EP_{12}	15.8	X	259.17280	96.97524	336.97109	12.32400	0.1274071	0.18813762	3.0163770	20	8 28.7	20.1
256488 2007 EQ_{13}	16.2	X	36.67599	287.12084	329.15130	2.05749	0.1003584	0.17617157	3.1514626	20	8 6.7	20.3
256489 2007 EJ_{14}	15.4	X	166.94179	173.96855	4.75052	9.09303	0.0348774	0.18676697	3.0311168	20	9 30.7	19.7
256490 2007 EZ_{14}	16.0	X	286.07798	185.34396	159.77167	0.55949	0.0701361	0.17248111	3.1962569	20	6 17.4	20.4
256491 2007 EP_{17}	15.9	X	213.14915	239.61868	174.74646	10.56662	0.0122267	0.16880925	3.2424396	20	6 21.6	20.7
256492 2007 EJ_{44}	15.9	X	115.75004	278.64132	253.32481	1.60445	0.0994536	0.17139310	3.2097694	20	7 28.9	20.8
256493 2007 EZ_{45}	16.9	X	289.34064	125.90605	357.35089	1.92301	0.1494983	0.20026850	2.8933055	20	12 13.0	20.2
256494 2007 EM_{47}	15.9	X	196.70357	78.32339	3.80006	7.73400	0.1400648	0.17183328	3.2042854	20	7 1.3	21.1
256495 2007 EQ_{51}	15.9	X	19.36153	110.20052	325.53839	14.10998	0.1162391	0.22791996	2.6542866	20	—	—
256496 2007 ES_{56}	15.3	X	296.24919	346.52175	37.04879	15.63123	0.0345690	0.17720133	3.1392416	20	9 2.6	19.9
256497 2007 ER_{57}	15.8	X	76.50981	98.75692	120.11524	2.69699	0.1365880	0.17313821	3.1881648	20	8 17.6	20.4
256498 2007 EN_{58}	16.5	X	338.45093	59.66621	296.28070	1.03320	0.0694354	0.18887631	3.0085072	20	9 17.2	20.4
256499 2007 EH_{69}	16.3	X	282.87179	320.45786	116.99799	3.09974	0.1060551	0.18882569	3.0090449	20	10 9.0	20.1
256500 2007 EW_{78}	15.7	X	121.10998	53.59160	106.45078	2.54165	0.1142692	0.17146694	3.2088478	20	7 21.9	20.5
256501 2007 ED_{83}	16.0	X	156.44467	276.70662	161.42200	9.37472	0.0789895	0.16870658	3.2437549	20	5 18.8	21.1
256502 2007 ES_{88}	16.0	X	278.74234	226.11441	161.40215	5.10259	0.1262976	0.18243074	3.0789599	20	7 23.9	20.2
256503 2007 EY_{89}	15.8	X	332.96430	206.17294	163.89435	3.24291	0.1150191	0.18953875	3.0014933	20	9 28.1	19.1
256504 2007 EG_{92}	16.5	X	57.56551	103.43101	86.33361	2.86000	0.0757922	0.16785326	3.2547392	20	6 6.9	20.9
256505 2007 EY_{98}	13.0	X	295.09678	259.89163	35.82270	4.38533	0.1243365	0.08293955	5.2074879	20	4 23.9	19.7
256506 2007 ES_{99}	15.9	X	283.50888	1.34092	65.78207	0.85528	0.0697340	0.18748302	3.0233941	20	9 30.1	19.8
256507 2007 EP_{105}	16.0	X	246.91055	245.69863	157.45074	5.99324	0.1744071	0.17535264	3.1612670	20	6 29.0	21.0
256508 2007 EZ_{105}	16.3	X	297.28096	72.58980	33.10967	7.04406	0.2528838	0.20060222	2.8900957	20	11 20.8	19.1
256509 2007 EH_{123}	16.2	X	91.38322	269.47336	100.39643	5.45028	0.0846590	0.20937224	2.8088162	20	—	—
256510 2007 ER_{125}	16.1	X	164.55982	352.64350	147.22245	9.03648	0.0777508	0.17640499	3.1486820	20	8 9.3	20.8
256511 2007 EU_{129}	15.8	X	135.59228	115.69037	2.27709	0.44874	0.0982557	0.16787197	3.2544974	20	6 13.6	20.7
256512 2007 EB_{137}	16.3	X	264.77171	307.62306	111.65921	4.09122	0.0988700	0.18740331	3.0242513	20	8 22.0	20.4
256513 2007 ES_{156}	15.1	X	272.51694	238.76602	164.38143	11.27557	0.0922527	0.17439646	3.1728115	20	8 8.6	19.7
256514 2007 EW_{156}	15.5	X	147.25762	75.72575	98.71213	5.02164	0.1141870	0.17625109	3.1505147	20	9 6.3	20.5
256515 2007 EV_{165}	15.3	X	132.23450	101.07337	75.43039	14.94270	0.1741946	0.17598044	3.1537441	20	9 1.9	20.7
256516 2007 EL_{166}	15.7	X	130.35303	55.78570	156.72955	3.09316	0.0593134	0.18358548	3.0660354	20	10 2.2	20.2
256517 2007 ER_{172}	15.7	X	207.52776	254.23448	186.54637	5.29099	0.1521790	0.17259499	3.1948509	20	7 7.8	20.9
256518 2007 EG_{181}	15.4	X	180.34112	274.47914	204.80585	9.44601	0.2116003	0.17485929	3.1672104	20	7 26.9	21.0
256519 2007 EK_{188}	15.8	X	251.33430	186.16122	199.60332	4.94301	0.1834677	0.17379963	3.1800710	20	6 11.5	20.6
256520 2007 EM_{200}	14.7	X	328.70585	195.82331	55.40409	10.27293	0.0806594	0.15640298	3.4117147	20	4 19.4	19.3
256521 2007 EN_{204}	15.9	X	235.15543	1.81707	99.38970	5.38222	0.1209068	0.18478124	3.0527937	20	9 6.2	20.5
256522 2007 EE_{207}	14.6	X	77.45645	334.46545	263.12910	13.35916	0.1402193	0.17604293	3.1529977	20	9 4.2	19.5
256523 2007 EH_{212}	15.5	X	97.22107	136.10780	76.06051	4.92681	0.0934263	0.17750742	3.1356316	20	8 29.9	20.1
256524 2007 EB_{213}	14.6	X	97.80704	338.05961	225.94790	17.32161	0.1328835	0.17220339	3.1996925	20	8 15.5	19.8
256525 2007 EX_{213}	15.7	X	215.36460	268.82974	186.65016	10.61779	0.0593826	0.17830403	3.1262853	20	8 8.9	20.5
256526 2007 EF_{214}	15.4	X	68.40661	51.30337	188.88703	11.62398	0.0261141	0.17647742	3.1478204	20	8 15.6	20.0
256527 2007 EA_{215}	16.0	X	171.63342	83.36229	90.34381	5.51909	0.1128064	0.18231633	3.0802479	20	9 30.3	20.9
256528 2007 EZ_{219}	15.6	X	262.78035	62.54973	10.93727	18.71496	0.1126964	0.18478377	3.0527659	20	9 9.8	19.9
256529 2007 FK	15.5	X	74.83002	173.91375	342.31032	4.95976	0.0676531	0.16249943	3.3258411	20	5 15.5	20.2
256530 2007 FQ_{22}	15.5	X	227.94459	70.06728	18.99894	9.39732	0.0924044	0.17831993	3.1260995	20	8 18.3	20.3
256531 2007 FR_{23}	15.3	X	183.23239	80.66215	12.90373	25.17374	0.2069718	0.17196848	3.2026058	20	7 3.3	21.2
256532 2007 FO_{26}	16.8	X	176.73411	327.85505	166.42181	0.59451	0.1342437	0.17819547	3.1275549	20	8 14.7	21.8
256533 2007 FY_{26}	16.1	X	198.85173	329.33020	151.60699	0.53795	0.1275683	0.18012714	3.1051550	20	8 20.1	20.8
256534 2007 FA_{36}	15.8	X	128.71927	353.37994	181.35461	3.61094	0.1762498	0.17471261	3.1689828	20	8 20.1	20.9
256535 2007 FV_{45}	16.0	X	299.89172	16.73771	357.06950	1.28587	0.0739768	0.17779787	3.1322158	20	8 13.1	20.1
256536 2007 GK_{4}	14.7	X	153.73426	296.97311	241.02395	14.68342	0.1752103	0.17742333	3.1366223	20	9 9.3	20.2
256537 Zahn	15.5	X	196.75005	69.83199	38.17876	13.65789	0.0970815	0.17391280	3.1786913	20	8 8.9	20.6
256538 2007 GV_{9}	15.3	X	268.60311	16.04588	66.65387	7.32251	0.0387477	0.18621010	3.0371569	20	10 7.0	19.6
256539 2007 GV_{12}	15.4	X	235.10313	39.30096	48.81376	7.21110	0.1198996	0.18157577	3.0886174	20	8 21.6	20.0
256540 2007 GD_{15}	15.7	X	170.01267	286.67529	215.92042	0.89646	0.0582101	0.17925584	3.1152088	20	8 18.9	20.4
256541 2007 GA_{28}	14.8	X	112.19444	146.05319	67.41435	23.82528	0.1639968	0.17541347	3.1605361	20	10 4.3	20.3
256542 2007 GG_{54}	14.6	X	122.71109	174.78399	164.87588	10.49206	0.1954584	0.12371044	3.9890103	20	1 4.8	20.7
256543 2007 GK_{61}	15.5	X	161.28112	311.29557	233.04371	9.10684	0.1395297	0.17947713	3.1126477	20	9 26.7	20.7
256544 2007 GX_{71}	15.4	X	192.15838	114.89367	307.24934	11.28126	0.1485152	0.17191048	3.2033260	20	5 31.8	20.7
256545 2007 GO_{74}	14.7	X	183.81793	261.21577	240.16498	15.08393	0.1953145	0.17878515	3.1206741	20	8 21.5	20.2
256546 2007 HC_{5}	15.9	X	305.77332	31.65692	93.98503	6.29621	0.0578914	0.20030661	2.8929385	20	—	—
256547 Davidesmith	15.3	X	239.78051	324.17517	156.57751	11.22556	0.0910097	0.18755426	3.0226284	20	10 10.7	19.7
256548 2007 HG_{70}	15.6	X	169.84338	316.58541	187.92061	16.40080	0.1751985	0.17599872	3.1535257	20	8 17.2	21.1
256549 2007 HO_{82}	15.3	X	103.71079	128.25785	177.21964	17.10628	0.1341715	0.18184936	3.0855188	20	12 27.0	20.5
256550 2007 LV_{14}	13.2	X	237.77390	69.62181	48.77669	6.17195	0.1279341	0.08204994	5.2450611	20	9 17.7	20.5
256551 2007 OM_{3}	17.3	X	252.62730	351.54509	316.83575	18.13385	0.0624386	0.35985484	1.9575723	20	2 28.4	19.7
256552 2007 OU_{5}	17.1	X	237.82332	305.08158	356.59558	6.45880	0.1284819	0.27823211	2.3237954	20	2 14.8	20.5
256553 2007 PT_{4}	13.4	X	270.58535	197.16567	259.36259	6.05268	0.1003451	0.08415928	5.1570503	20	9 26.0	20.3
256554 2007 RG_{179}	17.5	X	12.10728	145.58022	188.23127	3.78138	0.2048019	0.30476401	2.1868900	20	11 26.6	19.8
256555 2007 RU_{221}	16.4	X	160.20611	235.91099	0.45569	3.61248	0.1346502	0.23920426	2.5701399	20	12 7.9	20.3
256556 2007 RD_{237}	13.3	X	259.73129	150.29446	306.48595	3.80480	0.0247946	0.08316778	5.1979565	20	9 24.8	20.2
256557 2007 RX_{239}	15.4	X	93.31806	300.65739	82.86005	10.65631	0.0834936	0.17920796	3.1157637	20	—	—
256558 2007 RQ_{245}	15.6	X	12.41319	292.68038	171.80796	12.88897	0.1425409	0.17348181	3.1839538	20	—	—
256559 2007 RR_{270}	17.3	X	357.07612	116.01931	228.15095	3.77721	0.1971012	0.30054328	2.2073170	20	11 12.7	19.0
256560 2007 RU_{271}	16.9	X	345.81201	323.69931	53.85895	6.99294	0.0584493	0.30135414	2.2033557	20	11 22.7	19.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
256561 2007 RR_{280}	15.0	X	30.38989	190.28952	248.83537	13.90470	0.1708486	0.17370943	3.1811718	20	—	—
256562 2007 RS_{283}	16.3	X	207.99392	4.78993	290.14549	6.52690	0.1059819	0.26570049	2.3962998	20	1 7.7	19.8
256563 2007 RZ_{285}	17.0	X	225.72676	207.72547	221.84234	6.31827	0.0750115	0.28548567	2.2842651	20	7 25.1	20.0
256564 2007 RJ_{290}	17.1	X	140.98566	251.70290	199.28676	5.81551	0.0731586	0.27391893	2.3481258	20	5 14.1	20.2
256565 2007 RC_{291}	17.7	X	354.55297	192.44264	184.25085	4.56204	0.0760631	0.30650928	2.1785806	20	12 10.1	19.9
256566 2007 SH_{14}	16.6	X	216.99046	296.30674	23.10459	6.68392	0.2132440	0.27132671	2.3630578	20	2 16.9	20.6
256567 2007 TC_{2}	17.7	X	100.41853	312.27819	12.19905	4.83978	0.0708826	0.32079204	2.1134258	20	—	—
256568 2007 TY_{7}	16.9	X	288.82689	275.92076	84.85349	3.71233	0.1931421	0.29367390	2.2416053	20	6 27.6	19.2
256569 2007 TC_{9}	17.1	X	98.09170	314.48649	175.33260	6.54714	0.0474792	0.27406304	2.3473025	20	5 9.1	20.0
256570 2007 TH_{16}	17.1	X	338.07278	342.22774	351.62877	7.88233	0.1931493	0.29990850	2.2104305	20	9 9.5	18.0
256571 2007 TK_{40}	17.4	X	43.92321	84.47493	187.52763	6.33490	0.1030427	0.29696476	2.2250141	20	9 25.2	19.9
256572 2007 TE_{67}	16.5	X	335.15905	351.36284	5.57280	8.02058	0.1891165	0.30184850	2.2009493	20	10 12.4	17.7
256573 2007 TP_{74}	17.6	X	49.02462	101.98746	217.92028	2.24368	0.1280445	0.30932861	2.1653228	20	12 14.9	20.4
256574 2007 TV_{79}	17.5	X	329.66603	54.79024	340.01270	4.24261	0.1587809	0.30577569	2.1820636	20	12 2.3	19.1
256575 2007 TP_{128}	17.2	X	69.36302	184.52436	33.44809	5.49792	0.0512779	0.28802110	2.2708399	20	8 6.7	19.9
256576 2007 TJ_{154}	17.3	X	23.18633	338.82271	352.43581	5.69068	0.0483690	0.30716890	2.1754606	20	11 10.9	19.7
256577 2007 TB_{172}	17.4	X	35.54677	252.19853	72.85363	3.07051	0.1868644	0.31043541	2.1601731	20	12 13.8	20.1
256578 2007 TT_{183}	17.2	X	46.46568	246.34424	75.83354	5.99028	0.1430302	0.30921067	2.1658734	20	12 16.7	20.0
256579 2007 TL_{232}	17.2	X	100.06565	339.39881	194.26579	2.25253	0.1068006	0.28159499	2.3052575	20	7 20.6	20.1
256580 2007 TS_{232}	17.4	X	124.71434	345.65242	212.64798	3.96600	0.0589048	0.29397284	2.2400854	20	9 20.3	20.2
256581 2007 TA_{233}	17.6	X	19.04112	332.69754	61.43262	2.95079	0.0099292	0.31444120	2.1417877	20	—	—
256582 2007 TB_{236}	15.9	X	284.57450	100.43434	174.42793	4.62157	0.1819928	0.19776359	2.9176856	20	3 1.4	20.3
256583 2007 TE_{262}	17.4	X	16.00581	116.08710	216.02869	3.12272	0.1808752	0.30558445	2.1829739	20	11 25.8	19.7
256584 2007 TW_{330}	16.7	X	102.84224	219.21011	19.23261	8.32511	0.0581328	0.30043811	2.2078320	20	10 20.2	19.3
256585 2007 TN_{383}	16.9	X	53.32299	14.25002	216.85467	6.09219	0.0464526	0.28780866	2.2719572	20	7 27.4	19.6
256586 2007 TU_{392}	17.7	X	12.75235	343.90414	7.12026	3.13204	0.1706334	0.30856669	2.1688858	20	12 16.6	20.1
256587 2007 TG_{398}	17.7	X	299.52849	208.52320	36.44578	21.80224	0.0358535	0.34708278	2.0053061	20	2 27.3	20.5
256588 2007 TL_{398}	17.4	X	36.58252	264.86913	355.02456	4.42154	0.1411729	0.29306924	2.2446875	20	9 2.6	19.6
256589 2007 TS_{429}	16.3	X	70.45362	9.68843	211.58356	10.36341	0.0346322	0.20886717	2.8133424	20	7 28.2	20.4
256590 2007 TM_{432}	17.2	X	187.59758	291.55116	356.43881	2.29408	0.1863971	0.25626500	2.4547646	20	—	—
256591 2007 TN_{440}	17.1	X	171.11164	342.43293	327.58185	1.80805	0.2026771	0.25524630	2.4612917	20	—	—
256592 2007 UT_{34}	17.5	X	249.75817	151.88726	256.00087	6.89264	0.1293431	0.28974009	2.2618492	20	7 18.9	20.5
256593 2007 UY_{37}	17.4	X	269.36440	112.56029	243.97686	5.15280	0.1323276	0.28610103	2.2809885	20	6 1.8	20.0
256594 2007 UV_{44}	17.3	X	139.23431	328.25326	214.60964	5.47529	0.0920360	0.29776853	2.2210083	20	9 17.4	20.5
256595 2007 UN_{53}	17.7	X	0.06023	23.61183	29.13504	2.74468	0.1006720	0.31509857	2.1388078	20	—	—
256596 2007 UR_{53}	16.9	X	333.44295	16.48844	238.25179	5.84433	0.1610140	0.27713206	2.3299407	20	4 7.4	19.2
256597 2007 US_{53}	16.8	X	107.69036	262.14357	357.91566	1.68477	0.1598478	0.22937154	2.6430763	20	11 17.2	20.9
256598 2007 UL_{63}	15.7	X	347.41841	213.45144	32.18222	10.76490	0.0865730	0.20170556	2.8795468	20	5 3.4	19.1
256599 2007 UJ_{91}	18.0	X	128.79406	191.05033	47.51643	3.43661	0.0401698	0.30464835	2.1874434	20	11 22.6	20.7
256600 2007 UK_{105}	17.1	X	291.05984	218.86436	161.15143	3.06484	0.0518194	0.29072882	2.2567182	20	8 24.4	19.5
256601 2007 UO_{122}	17.8	X	253.53554	44.41587	61.90504	3.47477	0.0694436	0.30169189	2.2017109	20	11 2.3	20.1
256602 2007 VO_{1}	17.1	X	266.78429	215.80591	245.48717	4.43274	0.0905476	0.30135696	2.2033419	20	11 11.9	19.2
256603 2007 VW_{30}	16.9	X	164.18243	285.56492	292.51801	4.45987	0.0734340	0.30940751	2.1649547	20	12 7.6	19.5
256604 2007 VB_{35}	17.9	X	57.63215	76.39709	164.45052	3.09475	0.0706085	0.28700360	2.2762038	20	8 23.5	20.5
256605 2007 VR_{43}	17.6	X	342.03252	35.55443	279.63847	5.09468	0.1975456	0.29490657	2.2353546	20	8 11.9	18.8
256606 2007 VZ_{49}	16.4	X	30.36266	218.16607	27.89269	10.21563	0.1800409	0.28614405	2.2807599	20	8 11.5	18.8
256607 2007 VW_{52}	17.6	X	9.47730	103.89322	199.61608	5.13435	0.2093541	0.29715259	2.2240764	20	10 4.0	19.4
256608 2007 VT_{66}	17.7	X	133.72113	166.58645	17.60618	4.19694	0.0682975	0.29092578	2.2556995	20	9 14.3	20.6
256609 2007 VB_{86}	17.8	X	282.13999	91.68914	286.16122	4.30047	0.2040034	0.29342264	2.2428848	20	7 10.9	19.8
256610 2007 VN_{87}	17.7	X	80.93131	340.46873	318.22974	3.69097	0.1234175	0.31239294	2.1511395	20	12 22.8	20.7
256611 2007 VZ_{89}	17.8	X	353.79576	183.92239	169.48085	3.30925	0.1282975	0.30260573	2.1972760	20	11 11.3	19.7
256612 2007 VL_{97}	17.8	X	350.33825	295.39874	355.74719	3.30826	0.1425411	0.28904044	2.2654978	20	7 21.3	19.4
256613 2007 VE_{98}	17.4	X	254.38698	113.02676	257.88341	4.57638	0.1625098	0.28521076	2.2857327	20	5 29.2	20.5
256614 2007 VY_{102}	18.3	X	184.57083	170.47651	46.67258	5.45185	0.0749233	0.31679859	2.1311494	20	—	—
256615 2007 VB_{114}	17.6	X	78.44841	348.13097	215.89539	4.79504	0.1041472	0.28182197	2.3040195	20	8 2.9	20.5
256616 2007 VA_{119}	17.4	X	22.56366	252.02280	27.03079	6.44970	0.1112811	0.28842480	2.2687204	20	9 4.7	19.7
256617 2007 VH_{155}	17.2	X	31.26784	264.02549	24.51574	7.16492	0.1173694	0.29684613	2.2256069	20	10 4.3	19.5
256618 2007 VG_{156}	17.8	X	351.26505	23.66800	357.13974	3.36746	0.0408386	0.30588127	2.1815615	20	12 4.6	20.2
256619 2007 VC_{157}	17.9	X	248.65743	14.06993	98.19237	3.93924	0.0644614	0.30138518	2.2032044	20	11 5.1	20.3
256620 2007 VD_{165}	17.1	X	86.52945	16.83307	224.90017	3.81182	0.0862888	0.29403502	2.2397696	20	10 5.9	20.1
256621 2007 VO_{183}	17.4	X	338.57273	150.30766	194.71280	6.08847	0.2327897	0.29871457	2.2163165	20	10 4.8	18.3
256622 2007 VP_{191}	17.2	X	220.15841	278.30978	86.76988	7.46853	0.1919045	0.26840117	2.3801982	20	4 17.5	21.1
256623 2007 VM_{192}	18.0	X	298.27106	170.79149	278.36583	1.27806	0.1681690	0.30097079	2.2052262	20	12 19.9	19.2
256624 2007 VB_{193}	16.1	X	29.76481	74.32692	102.99238	3.14733	0.1765696	0.25590991	2.4570348	20	4 13.7	18.1
256625 2007 VJ_{211}	17.3	X	336.15615	304.77257	346.15582	2.34248	0.1752045	0.28616878	2.2806285	20	6 12.7	18.8
256626 2007 VV_{221}	17.8	X	101.56289	72.50806	243.01680	4.52378	0.0687273	0.31700255	2.1302351	20	—	—
256627 2007 VQ_{228}	16.8	X	165.21174	175.68208	298.49459	11.79026	0.1442253	0.27023518	2.3694168	20	7 14.8	20.4
256628 2007 VB_{232}	17.7	X	228.26477	207.02389	236.29120	1.48930	0.0896751	0.28970554	2.2620291	20	8 17.1	20.6
256629 2007 VC_{232}	17.4	X	270.04849	186.84083	238.28829	1.78224	0.1366925	0.29558642	2.2319257	20	9 13.9	19.6
256630 2007 VL_{234}	17.7	X	57.97151	249.06931	63.79435	1.92418	0.1975301	0.30733546	2.1746745	20	12 22.6	20.8
256631 2007 VX_{236}	17.7	X	79.88922	174.06785	55.57832	3.59888	0.1507508	0.29176633	2.2513651	20	9 21.5	20.6
256632 2007 VG_{241}	17.3	X	193.08333	269.58555	178.56860	1.07400	0.1491428	0.27109785	2.3643876	20	7 7.5	20.9
256633 2007 VH_{270}	17.3	X	140.24261	330.79972	335.58859	1.78515	0.0607670	0.32080049	2.1133886	20	—	—
256634 2007 VK_{270}	16.9	X	251.79432	24.24706	47.69677	6.14552	0.1426736	0.29169327	2.2517410	20	8 29.3	19.6
256635 2007 VA_{282}	17.3	X	70.55448	41.84748	248.18174	3.13460	0.2099975	0.30527627	2.1844428	20	12 6.4	20.6
256636 2007 VJ_{291}	16.8	X	35.55392	191.88722	79.49633	6.20993	0.1007069	0.28920820	2.2646216	20	9 13.9	19.3
256637 2007 VA_{306}	16.6	X	4.54546	316.50200	305.27283	5.30228	0.1213219	0.26532650	2.3985510	20	6 29.4	18.9
256638 2007 VR_{307}	17.3	X	28.52646	345.82701	295.70089	6.04563	0.0304733	0.28311605	2.2969933	20	8 30.1	19.9
256639 2007 VR_{312}	17.3	X	285.96011	135.86373	271.12256	5.26884	0.1224198	0.29149714	2.2527510	20	9 13.2	19.6
256640 2007 VR_{313}	18.0	X	190.20849	170.32706	263.30802	0.83748	0.1623746	0.27456166	2.3444598	20	6 15.0	21.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
256641 2007 VH_{316}	17.0	X	51.65965	189.43773	50.76230	5.36446	0.1173291	0.27723755	2.3293496	20	8 23.8	19.7
256642 2007 VN_{316}	17.3	X	218.42124	310.15294	76.83751	2.96811	0.0947282	0.27094585	2.3652718	20	5 17.0	20.6
256643 2007 VB_{321}	17.9	X	295.86471	273.74194	156.17608	6.51716	0.1098460	0.30228617	2.1988243	20	11 18.0	19.8
256644 2007 VM_{328}	17.3	X	116.37361	308.69303	187.41728	3.82460	0.1476883	0.27302821	2.3532299	20	6 22.8	20.6
256645 2007 VQ_{333}	17.4	X	41.88218	80.63471	107.92617	2.62154	0.1278154	0.26210543	2.4181619	20	5 18.9	19.9
256646 2007 WJ_4	17.1	X	227.20739	52.82435	239.41271	3.79785	0.2275637	0.26290382	2.4132637	20	1 20.6	21.3
256647 2007 WR_7	17.6	X	294.10885	14.57326	23.59425	4.11578	0.1502120	0.29606760	2.2295068	20	9 17.0	19.5
256648 2007 WJ_{16}	15.4	X	130.18568	217.73324	234.17429	8.88478	0.0409538	0.19061504	2.9901842	20	4 29.4	19.8
256649 2007 WG_{39}	17.1	X	194.98760	358.64019	109.34872	6.42121	0.1369132	0.27779202	2.3262491	20	8 7.3	20.6
256650 2007 WO_{54}	17.6	X	357.57228	351.15910	11.65919	4.16074	0.1799854	0.30427005	2.1892561	20	12 9.7	19.6
256651 2007 WZ_{57}	17.5	X	85.76737	306.27006	173.46512	0.93083	0.1348074	0.25969921	2.4330758	20	4 20.5	20.5
256652 2007 WW_{59}	17.0	X	338.29338	194.44940	70.42134	6.58216	0.1731733	0.26804262	2.3823203	20	5 6.4	19.0
256653 2007 XM_{10}	17.5	X	75.84267	237.92371	69.79034	5.18229	0.1873219	0.31177711	2.1539712	20	—	—
256654 2007 XC_{15}	17.1	X	252.74485	178.66689	200.23764	5.94060	0.1967816	0.28380568	2.2932707	20	6 3.7	20.3
256655 2007 XV_{16}	17.6	X	332.26216	205.67723	181.08325	4.70468	0.1490066	0.30093576	2.2053973	20	11 23.9	19.3
256656 2007 XK_{17}	17.0	X	220.37729	35.86494	78.52690	6.08809	0.0972293	0.28814433	2.2701924	20	9 23.2	19.9
256657 2007 XO_{20}	16.8	X	307.94555	289.43101	74.41049	8.68891	0.1731243	0.29074005	2.2566600	20	8 18.8	18.7
256658 2007 XG_{21}	16.8	X	198.47107	351.31510	82.91014	6.90036	0.0836833	0.27934798	2.3176029	20	6 28.2	20.0
256659 2007 XL_{21}	17.7	X	42.47751	310.45074	50.02659	2.86611	0.1175310	0.31240170	2.1510993	20	—	—
256660 2007 XX_{21}	17.0	X	346.37118	314.48720	61.36951	7.17453	0.0539404	0.30101907	2.2049904	20	11 20.9	19.1
256661 2007 XD_{22}	17.8	X	220.28905	69.91094	51.21964	2.46675	0.0975145	0.29335628	2.2432231	20	9 30.7	20.4
256662 2007 XT_{26}	17.0	X	289.26111	161.37690	275.83878	4.59039	0.1623973	0.29979500	2.2109884	20	11 6.8	18.8
256663 2007 XT_{27}	17.2	X	233.88941	87.77267	287.94712	3.31953	0.1486389	0.27185052	2.3600214	20	5 13.3	20.6
256664 2007 XY_{27}	17.0	X	255.80492	172.03006	281.09041	3.93837	0.1144146	0.28958521	2.2626556	20	10 4.1	19.6
256665 2007 XX_{32}	17.4	X	271.51298	14.05749	62.89723	2.95142	0.1505624	0.29383777	2.2407718	20	10 4.7	19.5
256666 2007 XB_{33}	17.7	X	260.95120	229.57349	198.58765	1.70381	0.1282893	0.28601458	2.2814482	20	9 3.9	20.2
256667 2007 XD_{33}	16.1	X	234.37844	318.58126	192.30742	8.21726	0.0539242	0.21051166	2.7986717	20	11 18.4	20.0
256668 2007 XJ_{53}	17.2	X	151.47815	118.03081	104.82418	3.34072	0.1106263	0.29264594	2.2468516	20	11 24.4	20.4
256669 2007 XN_{53}	17.7	X	229.91708	29.32537	64.08673	1.81790	0.0670670	0.28507962	2.2864336	20	9 7.5	20.6
256670 2007 XT_{58}	18.0	X	83.59455	267.94637	266.03606	2.31312	0.3631571	0.34492049	2.0136781	20	8 5.7	21.0
256671 2007 YW_9	16.2	X	206.79804	334.32686	307.88481	14.38523	0.1108769	0.24252530	2.5466232	20	—	—
256672 2007 YB_{15}	16.0	X	286.32177	161.82735	316.46510	12.68488	0.1161049	0.22246803	2.6974763	20	12 12.1	19.4
256673 2007 YG_{15}	17.4	X	50.39252	254.92037	320.71909	1.75292	0.1168882	0.27553569	2.3389314	20	7 12.8	19.8
256674 2007 YQ_{16}	17.9	X	292.29846	80.64009	274.28396	3.84769	0.2104973	0.28742951	2.2739547	20	6 20.8	19.9
256675 2007 YE_{19}	17.3	X	338.44836	195.22563	118.52791	5.27989	0.1830468	0.28436869	2.2902428	20	7 30.6	18.5
256676 2007 YU_{24}	17.2	X	331.53595	206.61808	71.64632	2.99189	0.1816997	0.27626817	2.3347953	20	5 10.9	19.3
256677 2007 YT_{27}	17.5	X	286.58629	306.15039	66.46981	6.27433	0.2453418	0.28621811	2.2803665	20	7 2.3	19.8
256678 2007 YZ_{31}	16.6	X	225.47635	216.37955	268.58162	8.68369	0.0678474	0.29192322	2.2505584	20	10 12.0	19.5
256679 2007 YD_{37}	17.4	X	330.29214	349.59340	65.15701	3.12844	0.1149894	0.30222000	2.1991453	20	12 29.2	19.2
256680 2007 YK_{42}	17.6	X	173.35725	146.58507	331.67398	1.39026	0.1760849	0.27727674	2.3291302	20	7 28.0	21.3
256681 2007 YQ_{44}	16.7	X	24.56864	251.82318	319.84133	5.76004	0.1005601	0.26126224	2.4233620	20	5 16.3	19.3
256682 2007 YT_{46}	16.5	X	72.18506	234.41053	244.75019	5.52713	0.0589375	0.25417791	2.4681839	20	3 15.9	19.5
256683 2007 YU_{46}	17.2	X	295.93839	260.58260	315.97594	2.77209	0.0360586	0.24397740	2.5365084	20	1 16.5	20.5
256684 2007 YD_{47}	18.3	X	140.64072	13.47338	100.16248	2.26469	0.1416812	0.26804110	2.3823293	20	6 18.2	21.9
256685 2007 YX_{51}	16.4	X	351.28952	193.97229	97.59239	7.67370	0.1244108	0.28298098	2.2977241	20	7 22.7	18.2
256686 2007 YZ_{54}	16.6	X	283.70558	341.81717	17.66054	8.67437	0.3398847	0.28534785	2.2850006	20	5 21.2	19.6
256687 2007 YV_{55}	17.2	X	205.43781	263.83754	168.79557	2.09563	0.1724167	0.27264283	2.3554470	20	6 28.1	20.9
256688 2007 YF_{63}	16.6	X	238.33362	233.09086	111.12145	14.12932	0.0927306	0.26208655	2.4182780	20	4 19.9	20.3
256689 2007 YS_{64}	17.1	X	312.69730	241.78031	74.70574	3.97877	0.0733224	0.27030696	2.3689973	20	6 19.5	19.8
256690 2007 YO_{66}	17.1	X	251.50214	234.71654	115.16123	5.51059	0.2011301	0.26918301	2.3755871	20	4 26.1	20.7
256691 2007 YS_{66}	17.4	X	279.48275	240.99004	116.60819	8.37610	0.1866126	0.27857415	2.3218928	20	6 9.7	20.4
256692 2007 YL_{68}	17.7	X	116.22101	55.55366	90.01804	2.74877	0.1408374	0.26889697	2.3772714	20	7 4.9	21.0
256693 2007 YH_{74}	17.0	X	194.02720	267.79586	159.00990	7.09937	0.1050166	0.27195604	2.3594109	20	6 12.3	20.5
256694 2007 YK_{74}	16.8	X	332.90843	46.76570	102.92130	3.39388	0.1363377	0.23324802	2.6137101	20	—	—
256695 2007 YQ_{74}	15.5	X	357.17335	353.29984	330.27760	9.34038	0.1453868	0.20374235	2.8603236	20	9 8.4	18.5
256696 2008 AS_1	16.9	X	150.71077	169.44702	36.04838	6.65780	0.0923039	0.29715980	2.2240404	20	11 1.5	19.9
256697 Nahapetov	16.6	X	33.87946	216.46890	284.82140	5.62844	0.0573905	0.25491675	2.4634124	20	2 17.6	19.5
256698 2008 AX_2	16.9	X	38.11290	40.21180	147.93904	3.25367	0.1372707	0.25842153	2.4410889	20	5 13.1	19.2
256699 Poudai	16.1	X	196.47496	344.41386	300.87008	8.79957	0.0719968	0.23700967	2.5859811	20	—	—
256700 2008 AG_3	17.1	X	100.53055	84.11806	53.30763	4.23711	0.1504305	0.26357584	2.4091600	20	6 5.8	20.3
256701 2008 AA_4	17.5	X	211.83399	137.95564	307.48502	5.00382	0.1232794	0.28046286	2.3114569	20	7 26.7	20.7
256702 2008 AJ_4	17.6	X	239.70485	301.34110	133.43377	2.54614	0.1951342	0.28439872	2.2900816	20	8 5.0	20.7
256703 2008 AJ_7	16.9	X	41.79035	58.45859	127.91888	1.32158	0.1531152	0.26019300	2.4299965	20	5 18.8	19.3
256704 2008 AA_{10}	16.6	X	168.40113	25.92276	203.50569	2.20416	0.1646221	0.21666480	2.7454306	20	12 2.7	21.0
256705 2008 AR_{10}	16.8	X	85.15309	78.60200	207.76602	2.12539	0.1731279	0.21321038	2.7750054	20	11 26.8	21.2
256706 2008 AT_{20}	17.4	X	282.23886	62.75808	359.79005	2.13756	0.1302798	0.28900040	2.2657070	20	10 2.3	19.4
256707 2008 AU_{21}	17.2	X	185.35511	278.93489	109.10605	4.36180	0.2377509	0.26233476	2.4167524	20	4 15.4	21.3
256708 2008 AA_{28}	17.1	X	218.82690	293.25886	138.98369	5.14459	0.2000280	0.27426685	2.3461395	20	7 8.6	20.8
256709 2008 AX_{33}	17.0	X	130.90043	12.65805	114.35854	3.05796	0.1630531	0.26784122	2.3835143	20	6 27.5	20.6
256710 2008 AD_{35}	17.5	X	314.81284	255.60201	131.11294	1.87211	0.1613924	0.29199139	2.2502081	20	10 12.1	18.9
256711 2008 AD_{37}	16.9	X	61.50561	72.42927	121.64573	3.39532	0.1417409	0.26467178	2.4025050	20	7 1.6	19.5
256712 2008 AB_{43}	16.1	X	299.31495	209.89863	322.53760	11.99789	0.0849365	0.23291671	2.6161880	20	—	—
256713 2008 AZ_{43}	17.0	X	186.35056	285.40353	114.07295	2.23352	0.0885981	0.26120726	2.4237020	20	4 28.6	20.5
256714 2008 AO_{44}	17.3	X	268.65134	271.18861	137.81255	8.66129	0.1141423	0.28226819	2.3015907	20	8 21.6	19.7
256715 2008 AF_{47}	17.0	X	12.84533	263.12460	279.15544	1.79113	0.1260779	0.25553857	2.4594146	20	3 12.1	19.2
256716 2008 AV_{51}	16.8	X	150.07752	14.71825	298.30031	5.19555	0.1859057	0.23786501	2.5797780	20	—	—
256717 2008 AA_{57}	16.8	X	228.57980	315.52453	256.15783	1.40091	0.1208862	0.22731373	2.6590037	20	—	—
256718 2008 AB_{57}	16.9	X	163.15899	113.73866	257.57585	1.40047	0.2218663	0.25669615	2.4520151	20	3 5.1	20.9
256719 2008 AJ_{63}	17.8	X	200.09337	206.51482	272.36432	5.98007	0.1540650	0.28336514	2.2956470	20	8 22.9	21.2
256720 2008 AC_{65}	17.1	X	258.73804	106.51825	290.36525	6.00877	0.1300576	0.27892088	2.3199682	20	7 15.9	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
256721 2008 AH_{66}	17.3	X	80.25786	179.68470	315.64040	4.94065	0.1211333	0.25809568	2.4431430	20	4 29.7	20.4
256722 2008 AX_{66}	17.0	X	162.87877	25.22642	109.59164	2.98113	0.1087295	0.27605044	2.3360229	20	8 9.5	20.2
256723 2008 AT_{73}	17.4	X	197.60021	315.49805	150.35576	5.29668	0.1400148	0.28022687	2.3127545	20	8 5.8	20.8
256724 2008 AC_{76}	17.0	X	29.26799	132.48569	316.11379	2.91645	0.0435041	0.23735249	2.5834904	20	—	—
256725 2008 AQ_{93}	16.7	X	239.16908	270.70366	95.76212	7.92807	0.1382816	0.27044739	2.3681771	20	5 11.1	20.1
256726 2008 AK_{102}	17.7	X	261.60136	210.80982	162.29770	4.82500	0.1480744	0.27719576	2.3295837	20	6 13.0	20.7
256727 2008 AC_{110}	17.3	X	160.31373	238.84199	243.87618	2.97281	0.1422628	0.27357307	2.3501044	20	7 20.2	20.8
256728 2008 AE_{110}	17.1	X	185.77177	274.26696	155.93587	7.32854	0.0840705	0.26892928	2.3770811	20	6 8.4	20.6
256729 2008 AW_{113}	16.1	X	252.28715	150.61166	344.66454	6.98767	0.0758275	0.21017940	2.8016204	20	11 14.6	20.0
256730 2008 AG_{116}	16.1	X	34.46306	167.75199	117.19549	2.34694	0.1662709	0.19124123	2.9836534	20	9 22.7	19.8
256731 2008 AN_{127}	16.8	X	113.50735	31.37999	314.07533	2.74369	0.1205963	0.23133764	2.6280796	20	—	—
256732 2008 AN_{129}	16.6	X	65.94587	325.03976	209.73107	6.20675	0.0662560	0.26256681	2.4153283	20	5 28.9	19.5
256733 2008 AA_{135}	16.4	X	167.63001	171.34364	97.19486	3.20878	0.1760434	0.22035280	2.7147114	20	—	—
256734 2008 AA_{137}	16.9	X	217.34117	185.44062	192.79957	5.71051	0.1348587	0.26549511	2.3975354	20	5 2.3	20.4
256735 2008 AD_{137}	17.0	X	114.33595	325.54005	192.05276	5.88864	0.0683413	0.27187325	2.3598898	20	7 10.3	20.1
256736 2008 BK_{4}	17.8	X	298.69778	29.29028	17.43028	2.92030	0.1486442	0.29194059	2.2504691	20	10 8.7	19.2
256737 2008 BL_{9}	16.8	X	45.56383	49.38890	348.32266	10.73103	0.0736915	0.22881404	2.6473677	20	—	—
256738 2008 BT_{9}	16.7	X	201.80887	218.89350	349.17894	6.24897	0.1530908	0.21684323	2.7439244	20	12 8.4	20.9
256739 2008 BU_{15}	16.5	X	230.86516	323.69351	303.14561	7.16124	0.1061374	0.23979625	2.5659082	20	—	—
256740 2008 BL_{18}	16.8	X	103.17364	240.72183	310.03057	2.82854	0.1195444	0.27026611	2.3692360	20	8 18.1	20.2
256741 2008 BK_{20}	17.6	X	185.38019	102.49330	346.77002	1.95502	0.1447776	0.27368818	2.3494454	20	7 1.7	21.0
256742 2008 BJ_{21}	17.6	X	182.98558	143.21448	306.47157	0.81467	0.1481653	0.27036697	2.3686467	20	6 29.5	21.3
256743 2008 BL_{22}	17.1	X	5.22281	43.32746	176.10967	1.50012	0.1258161	0.25406339	2.4689255	20	4 24.5	19.3
256744 2008 BT_{22}	15.9	X	126.67140	288.42281	339.41571	5.70574	0.0612323	0.21295658	2.7772097	20	12 7.9	20.0
256745 2008 BO_{23}	16.0	X	316.37756	172.41379	346.63375	7.37040	0.1014524	0.22996079	2.6385592	20	—	—
256746 2008 BK_{24}	16.0	X	279.61289	297.60422	312.35905	14.29634	0.0948293	0.24533669	2.5271308	20	1 31.1	19.6
256747 2008 BD_{29}	16.9	X	26.10214	36.71035	307.00817	3.18824	0.1193537	0.21433624	2.7652791	20	11 21.8	20.4
256748 2008 BX_{29}	17.7	X	185.50857	233.76221	278.81101	0.81985	0.1064413	0.28487959	2.2875038	20	9 27.8	21.0
256749 2008 BZ_{29}	17.5	X	205.11675	282.42686	180.07315	2.39356	0.1180834	0.28063590	2.3105067	20	8 11.2	20.6
256750 2008 BD_{30}	17.1	X	143.69514	198.39400	264.54285	2.91932	0.1470755	0.26686704	2.3893114	20	6 7.4	20.7
256751 2008 BD_{32}	17.7	X	155.88268	324.83335	147.92527	0.29121	0.1570933	0.26925934	2.3751381	20	7 3.3	21.3
256752 2008 BG_{32}	17.3	X	213.75622	92.42910	59.53595	2.79761	0.1185031	0.29009520	2.2600030	20	10 30.9	20.0
256753 2008 BF_{34}	16.2	X	202.48242	193.23447	350.48084	11.39362	0.1055669	0.21184346	2.7869296	20	11 10.2	20.5
256754 2008 BH_{34}	16.5	X	33.12907	65.71003	344.38576	12.61098	0.1857666	0.22599210	2.6693604	20	—	—
256755 2008 BZ_{34}	16.4	X	167.66968	278.25938	336.48092	7.01140	0.1626914	0.21538022	2.7563361	20	—	—
256756 2008 BT_{35}	16.3	X	126.21461	228.37281	131.79643	5.16545	0.1742286	0.23390982	2.6087778	20	1 14.2	19.9
256757 2008 BN_{37}	16.9	X	199.64835	358.22618	23.11901	6.23224	0.0826991	0.26143402	2.4223003	20	4 18.1	20.4
256758 2008 BU_{37}	17.7	X	204.83988	109.77307	53.85925	5.54197	0.1611354	0.28934215	2.2639226	20	10 30.7	20.7
256759 2008 BP_{38}	16.8	X	182.61595	89.94363	166.17074	3.05342	0.0632028	0.22211152	2.7003621	20	—	—
256760 2008 BA_{39}	15.7	X	353.94447	162.27823	358.34684	15.09053	0.2013258	0.23593907	2.5937980	20	1 4.7	18.8
256761 2008 BB_{40}	17.1	X	149.89517	154.56062	42.48323	7.78842	0.0250581	0.28759612	2.2730764	20	10 21.9	19.8
256762 2008 BY_{42}	17.3	X	178.16216	168.74126	349.72214	1.60393	0.0912297	0.28511590	2.2862397	20	9 28.7	20.2
256763 2008 BB_{46}	17.6	X	72.23316	168.75022	286.51634	0.84638	0.0532785	0.24722863	2.5142216	20	2 15.3	20.6
256764 2008 BN_{46}	16.2	X	295.20563	153.93319	344.86134	8.29734	0.0609427	0.22054587	2.7131268	20	—	—
256765 2008 BY_{46}	16.0	X	38.71148	57.82878	2.39230	21.65022	0.0239890	0.22258229	2.6965531	20	—	—
256766 2008 BJ_{47}	16.6	X	1.83199	277.89168	185.55809	11.04147	0.1474511	0.22893798	2.6464122	20	—	—
256767 2008 BT_{47}	17.2	X	267.13981	285.59530	306.56560	0.83685	0.0865584	0.23347727	2.6119988	20	—	—
256768 2008 BU_{47}	17.0	X	127.24206	112.70284	183.12893	2.03780	0.0569999	0.21616181	2.7496879	20	—	—
256769 2008 BM_{48}	18.0	X	114.74864	2.76074	110.67851	2.28682	0.1283276	0.25940952	2.4348868	20	5 19.1	21.4
256770 2008 BP_{50}	16.7	X	68.51636	167.45072	152.71333	4.11999	0.0681358	0.21430719	2.7655290	20	12 9.4	20.6
256771 2008 BD_{51}	17.2	X	175.79666	64.50470	2.38946	2.11974	0.1750032	0.26534255	2.3984543	20	5 22.9	20.9
256772 2008 BG_{51}	17.4	X	216.21249	289.03806	173.97058	5.58595	0.1489890	0.28405601	2.2919232	20	8 21.4	20.5
256773 2008 CP_{1}	16.9	X	129.64269	143.01916	40.05461	5.83375	0.1647907	0.27612351	2.3356107	20	9 11.9	20.5
256774 2008 CV_{1}	17.3	X	152.81649	233.64345	319.53235	5.29814	0.1038037	0.28486212	2.2875973	20	10 13.7	20.7
256775 2008 CM_{4}	16.7	X	124.56269	351.96741	137.24195	6.67491	0.2024063	0.26582325	2.3955620	20	6 27.1	20.5
256776 2008 CF_{5}	17.1	X	49.97436	269.09369	272.99061	2.77715	0.0646430	0.26427552	2.4049059	20	5 13.0	19.7
256777 2008 CF_{7}	17.1	X	332.60177	6.22017	125.35929	3.74328	0.0421183	0.22869739	2.6482679	20	—	—
256778 2008 CT_{10}	16.5	X	252.90170	293.49771	85.36209	7.71209	0.1412868	0.27430442	2.3459253	20	6 10.6	19.4
256779 2008 CP_{11}	16.7	X	35.86442	123.51459	113.56823	4.88818	0.1075694	0.26550435	2.3974798	20	7 18.4	19.3
256780 2008 CN_{14}	16.5	X	29.89213	208.40414	5.54418	6.44017	0.0839157	0.25902171	2.4373166	20	5 28.4	19.3
256781 2008 CS_{15}	16.5	X	241.38570	169.97654	105.47963	3.70132	0.1213931	0.23830115	2.5766294	20	1 20.4	20.5
256782 2008 CR_{16}	17.9	X	166.35099	196.19754	251.62947	0.54894	0.1599231	0.26616026	2.3935394	20	6 10.6	21.4
256783 2008 CD_{18}	16.0	X	13.50627	149.80414	150.66429	1.36022	0.0788952	0.19337067	2.9617085	20	8 29.9	19.5
256784 2008 CZ_{18}	17.6	X	183.52901	10.64356	148.04838	2.96632	0.1403673	0.28192142	2.3034776	20	10 2.3	20.9
256785 2008 CG_{19}	16.7	X	182.62897	205.34640	24.33892	1.85353	0.0192804	0.21561621	2.7543245	20	12 27.8	20.4
256786 2008 CN_{19}	17.5	X	186.34726	83.31574	16.38057	3.43890	0.0818788	0.27642570	2.3339082	20	7 20.2	20.6
256787 2008 CK_{23}	17.7	X	283.27380	153.13288	270.84595	2.32079	0.2013071	0.28996762	2.2606659	20	9 23.7	19.6
256788 2008 CF_{43}	16.9	X	224.25693	300.44309	117.27687	6.02532	0.1848604	0.27240983	2.3567899	20	6 26.3	20.5
256789 2008 CY_{45}	16.9	X	142.86681	292.26860	201.50732	4.22690	0.1706396	0.26932203	2.3747695	20	7 17.9	20.7
256790 2008 CC_{47}	17.3	X	214.25097	323.99264	56.19598	3.61626	0.1473137	0.26326368	2.4110640	20	4 30.6	21.1
256791 2008 CO_{48}	16.0	X	292.16576	250.01910	156.17496	11.05843	0.0971212	0.20194833	2.8772385	20	9 14.8	19.6
256792 2008 CD_{49}	17.3	X	118.57548	176.51061	358.10198	5.06061	0.1649888	0.27418491	2.3466069	20	8 19.4	20.7
256793 2008 CX_{50}	17.4	X	157.37275	149.11920	353.07210	6.86454	0.0465454	0.27552354	2.3390001	20	8 14.6	20.5
256794 2008 CM_{65}	17.1	X	156.44572	337.14129	139.23015	5.88212	0.1958038	0.26969530	2.3725778	20	7 9.2	21.1
256795 Suzyzahn	16.3	X	138.57040	285.48156	317.72447	0.42483	0.0870079	0.21105346	2.7938799	20	11 21.4	20.5
256796 Almanzor	17.2	X	92.03760	103.11409	317.45505	12.08230	0.1299255	0.24653636	2.5189259	20	2 8.6	20.2
256797 Benbow	17.7	X	220.35910	107.05936	345.35131	6.13820	0.0668168	0.27992856	2.3143973	20	8 23.5	20.6
256798 2008 CQ_{71}	16.5	X	3.76110	239.65810	206.41260	7.09043	0.1701924	0.23338235	2.6127070	20	—	—
256799 2008 CT_{71}	15.4	X	96.58489	315.04709	298.57903	13.96165	0.1156797	0.20439995	2.8541855	20	10 15.9	20.1
256800 2008 CG_{76}	16.4	X	275.62666	145.43768	13.00433	5.80649	0.0501894	0.22015094	2.7163706	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
256801 2008 CJ_{83}	16.4	X	260.25462	66.72540	116.16690	4.74755	0.0288223	0.22458991	2.6804593	20	—	—
256802 2008 CU_{83}	16.8	X	110.04606	150.46117	350.72469	5.98991	0.0717075	0.26297589	2.4128228	20	6 12.1	20.0
256803 2008 CO_{85}	16.1	X	80.14253	6.54210	161.90871	13.46660	0.0687183	0.18010110	3.1054543	20	6 10.3	20.7
256804 2008 CE_{87}	16.7	X	76.04881	342.09527	20.99511	6.05369	0.0448705	0.22353455	2.6888894	20	—	—
256805 2008 CL_{92}	17.3	X	197.32471	338.90314	54.73418	3.11908	0.2132134	0.26210828	2.4181443	20	4 30.2	21.4
256806 2008 CR_{92}	17.3	X	190.05644	292.63959	143.90542	3.06791	0.1512055	0.26810079	2.3819757	20	6 19.1	21.1
256807 2008 CS_{92}	17.7	X	163.07050	26.22478	18.56871	4.45416	0.1394560	0.25529025	2.4610092	20	4 11.7	21.2
256808 2008 CV_{92}	16.3	X	169.58387	237.39531	355.51053	3.05732	0.1103826	0.21174968	2.7877525	20	12 9.1	20.5
256809 2008 CD_{108}	16.8	X	132.24524	257.13428	116.43059	6.45306	0.0876903	0.24028218	2.5624477	20	1 26.1	20.2
256810 2008 CZ_{109}	15.6	X	200.11693	102.56451	334.99055	13.10979	0.0478628	0.18594458	3.0400475	20	7 5.6	20.2
256811 2008 CA_{111}	16.3	X	67.13130	30.81028	340.93708	14.35486	0.1237191	0.22826930	2.6515778	20	—	—
256812 2008 CU_{114}	16.8	X	67.03294	135.07245	197.37021	4.85948	0.0626761	0.21848563	2.7301560	20	12 22.4	20.7
256813 Marburg	16.1	X	31.19058	285.53774	100.08707	8.09290	0.0273425	0.21976185	2.7195759	20	—	—
256814 2008 CT_{118}	16.1	X	336.31664	341.56458	317.70760	7.85073	0.0722513	0.19045555	2.9918533	20	6 30.9	19.9
256815 2008 CQ_{120}	17.2	X	283.26597	53.66943	56.26321	4.80684	0.0829022	0.29815719	2.2190778	20	12 23.7	19.3
256816 2008 CV_{120}	16.8	X	184.55085	288.55875	125.79148	6.82007	0.1832121	0.26664396	2.3906438	20	5 17.4	20.7
256817 2008 CB_{121}	15.9	X	193.86784	177.03724	35.27338	8.94708	0.1388132	0.21403504	2.7678728	20	12 5.9	20.3
256818 2008 CG_{123}	17.1	X	196.97469	232.75697	181.70761	1.63044	0.1841373	0.26879953	2.3778459	20	5 26.9	20.9
256819 2008 CH_{132}	15.9	X	283.98312	152.69624	155.38183	8.98462	0.0505534	0.17771051	3.1332422	20	5 4.1	20.4
256820 2008 CQ_{135}	16.1	X	319.54922	184.24868	151.56215	9.61596	0.0436201	0.19423142	2.9529521	20	7 25.6	20.1
256821 2008 CV_{135}	16.3	X	153.01363	113.31511	131.57643	4.76904	0.0508787	0.21333042	2.7739642	20	12 10.1	20.3
256822 2008 CL_{136}	17.7	X	193.13483	229.66249	198.66419	1.72064	0.1466227	0.27040882	2.3684023	20	6 11.4	21.2
256823 2008 CA_{141}	16.4	X	19.78932	118.15973	311.33699	5.24531	0.0872933	0.22722983	2.6596581	20	—	—
256824 2008 CH_{141}	17.1	X	129.02507	245.98984	242.74669	1.66992	0.1335043	0.26425811	2.4050116	20	6 25.3	20.6
256825 2008 CN_{141}	16.4	X	139.53365	309.49164	316.26867	4.30007	0.0312086	0.21394792	2.7686242	20	12 20.4	20.3
256826 2008 CU_{142}	16.3	X	304.60535	80.48271	26.24778	5.71161	0.0398932	0.21120603	2.7925342	20	12 26.3	20.0
256827 2008 CJ_{143}	16.6	X	28.03650	48.10480	344.35589	5.80128	0.0167507	0.21770696	2.7366620	20	—	—
256828 2008 CA_{144}	15.9	X	128.75828	25.38988	335.43556	4.25771	0.2860139	0.23445760	2.6047128	20	1 31.6	20.0
256829 2008 CN_{144}	17.6	X	210.86743	292.23419	133.77136	1.71052	0.1698388	0.27329425	2.3517025	20	6 24.9	21.1
256830 2008 CK_{145}	17.2	X	167.37915	272.20869	175.99386	3.80740	0.1167978	0.26598808	2.3945722	20	6 11.6	20.7
256831 2008 CM_{147}	17.5	X	183.55810	299.59453	172.80210	6.28184	0.1866616	0.27526356	2.3404726	20	7 27.9	21.4
256832 2008 CJ_{149}	17.7	X	168.35642	210.59893	236.86699	2.57448	0.0947132	0.26539673	2.3981278	20	6 11.0	21.0
256833 2008 CV_{149}	16.7	X	271.88546	331.85673	180.43618	4.79821	0.0565327	0.22021955	2.7158064	20	—	—
256834 2008 CV_{156}	16.7	X	301.50210	78.33089	0.15076	6.55031	0.0358347	0.21037559	2.7998782	20	11 14.1	20.5
256835 2008 CX_{156}	16.9	X	63.62359	2.29327	6.33780	6.19342	0.0459326	0.22146754	2.7055942	20	—	—
256836 2008 CF_{157}	16.6	X	112.72766	263.17470	83.98519	2.95294	0.1488854	0.22700385	2.6614229	20	—	—
256837 2008 CL_{157}	16.6	X	168.11849	188.81163	262.15248	5.80889	0.0856222	0.26735891	2.3863800	20	6 15.3	19.9
256838 2008 CB_{158}	16.4	X	104.94399	197.88450	167.80282	12.22915	0.0855764	0.23292402	2.6161333	20	—	—
256839 2008 CN_{158}	15.7	X	330.97741	147.32247	326.35325	21.49988	0.0293036	0.22472317	2.6793995	20	—	—
256840 2008 CQ_{158}	17.4	X	251.31845	328.57793	65.86075	3.09318	0.1962242	0.27238177	2.3569517	20	6 22.8	20.6
256841 2008 CR_{158}	16.3	X	73.48257	193.24002	128.80183	6.15072	0.1090985	0.21091782	2.7950776	20	12 20.9	20.4
256842 2008 CU_{160}	15.6	X	91.85190	230.86996	325.64030	8.83678	0.0664953	0.18676212	3.0311692	20	7 30.9	19.8
256843 2008 CH_{162}	16.8	X	227.20439	294.02185	158.09272	6.95234	0.0541798	0.28418661	2.2912210	20	9 2.8	19.5
256844 2008 CR_{163}	16.6	X	262.16235	198.69767	320.34834	4.16323	0.0975612	0.22122273	2.7075899	20	12 31.0	19.9
256845 2008 CW_{168}	16.7	X	55.93600	157.70201	71.15162	5.85956	0.1274069	0.26891032	2.3771928	20	8 13.8	19.5
256846 2008 CT_{169}	17.4	X	72.63903	231.87900	206.76832	3.13189	0.0866608	0.24271766	2.5452775	20	1 28.6	20.4
256847 2008 CL_{175}	17.0	X	141.30432	142.88559	10.91140	6.24262	0.0724932	0.27552264	2.3390052	20	8 11.9	20.2
256848 2008 CD_{176}	15.7	X	148.95166	342.84184	356.78527	14.44924	0.1742840	0.23594917	2.5937239	20	1 16.8	19.9
256849 2008 CA_{180}	14.8	X	346.19684	239.45758	10.44046	26.79619	0.2130562	0.17263169	3.1943981	20	4 20.5	18.6
256850 2008 CW_{180}	16.2	X	263.73583	335.75153	290.65942	8.24941	0.0157863	0.24320746	2.5418590	20	2 9.4	19.7
256851 2008 CV_{182}	16.7	X	62.33856	12.76797	73.37717	6.54708	0.0318127	0.23825098	2.5769911	20	1 20.9	20.0
256852 2008 CB_{195}	16.4	X	69.24766	142.62419	160.96857	2.26872	0.0512039	0.20247566	2.8722407	20	11 15.3	20.5
256853 2008 CA_{196}	16.4	X	132.92303	236.64708	354.44757	6.93838	0.0786564	0.20272996	2.8698383	20	10 28.2	20.7
256854 2008 CM_{197}	16.2	X	121.33431	215.41232	21.86435	7.63177	0.0253574	0.20140771	2.8823850	20	10 21.8	20.2
256855 2008 CA_{198}	15.5	X	287.70465	337.23128	1.96042	17.57542	0.2063795	0.17766344	3.1337957	20	5 16.2	20.2
256856 2008 CD_{198}	16.7	X	347.00849	339.12984	134.01707	4.67006	0.0751617	0.22443796	2.6816690	20	—	—
256857 2008 CX_{198}	16.5	X	197.89381	57.29639	156.05692	2.20760	0.0074814	0.21936076	2.7228899	20	12 28.3	20.1
256858 2008 CY_{201}	17.0	X	136.49115	252.91368	24.43727	0.50263	0.0211232	0.21306441	2.7762726	20	12 30.9	20.8
256859 2008 CD_{205}	16.2	X	60.68687	210.85812	129.27364	9.77252	0.1920647	0.21584710	2.7523600	20	—	—
256860 2008 CU_{206}	16.5	X	144.80780	170.03908	179.62978	15.23359	0.1378649	0.23428498	2.6059920	20	1 15.3	20.6
256861 2008 CM_{214}	15.8	X	188.36209	255.60085	169.93366	10.35817	0.0655510	0.17864675	3.1222857	20	6 5.3	20.7
256862 2008 CR_{215}	16.0	X	327.46974	139.21950	175.50103	10.03176	0.1249455	0.18278288	3.0750041	20	7 1.7	19.9
256863 2008 CT_{215}	15.7	X	140.15090	194.32715	177.53177	18.43304	0.2042655	0.23619576	2.5919183	20	2 12.8	19.9
256864 2008 DK	17.4	X	201.83826	141.70388	339.50605	6.24677	0.1080755	0.28040187	2.3117921	20	9 3.6	20.5
256865 2008 DA_{1}	16.9	X	146.80246	301.21726	163.25689	9.14307	0.1628055	0.26451228	2.4034707	20	6 14.3	20.8
256866 2008 DM_{1}	17.9	X	239.52105	95.71189	304.65288	1.67661	0.1386306	0.27395118	2.3479414	20	6 24.5	21.1
256867 2008 DP_{3}	17.9	X	203.92101	161.69443	284.81123	0.62441	0.1438536	0.27349577	2.3505472	20	7 17.1	21.4
256868 2008 DU_{7}	16.7	X	228.01979	170.62942	124.21354	4.53524	0.1105065	0.24624627	2.5209038	20	1 30.2	20.6
256869 2008 DF_{11}	17.5	X	245.17025	12.77422	3.91992	0.97825	0.1968028	0.27201349	2.3590787	20	5 22.6	20.8
256870 2008 DX_{11}	16.9	X	191.61755	181.30361	134.83209	13.50169	0.1726406	0.24135413	2.5548548	20	1 22.5	21.0
256871 2008 DN_{13}	16.8	X	155.34528	25.05452	239.40945	1.88636	0.1390987	0.21713090	2.7415003	20	—	—
256872 2008 DB_{15}	16.7	X	18.16726	315.20296	173.65958	3.77103	0.0934541	0.23732763	2.5836708	20	1 11.0	19.7
256873 2008 DM_{16}	17.2	X	123.52182	116.20785	32.91417	5.67331	0.1574376	0.26457469	2.4030927	20	7 20.3	20.8
256874 2008 DD_{17}	16.4	X	252.83731	142.93422	354.86558	3.74530	0.0642927	0.20996329	2.8035424	20	11 21.5	20.2
256875 2008 DR_{19}	17.2	X	51.87557	247.29207	193.75467	5.04802	0.0887337	0.23370267	2.6103191	20	1 1.9	20.3
256876 2008 DE_{22}	16.6	X	176.78465	171.37303	125.52460	2.38991	0.0692063	0.22563626	2.6721661	20	—	—
256877 2008 DW_{24}	16.0	X	115.98109	207.01758	16.39192	6.52076	0.1626420	0.19820111	2.9133903	20	10 8.3	20.5
256878 2008 DC_{31}	17.3	X	121.45396	300.97516	160.50588	2.84745	0.1008507	0.26108574	2.4244540	20	5 7.9	20.6
256879 2008 DU_{32}	16.8	X	183.54551	168.69155	40.83906	3.92024	0.0582869	0.21063081	2.7976161	20	11 28.9	20.7
256880 2008 DE_{33}	16.4	X	87.70038	293.67411	29.99429	5.74203	0.0627847	0.21427669	2.7657914	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
256881 2008 DK_{34}	16.4	X	81.07242	284.86384	325.42626	1.03373	0.0267786	0.19499660	2.9452219	20	9 18.4	20.3
256882 2008 DR_{34}	16.0	X	12.75289	91.25261	11.27902	15.54209	0.0976695	0.22982684	2.6395844	20	—	—
256883 2008 DF_{37}	16.3	X	103.77832	191.44398	355.80101	1.06865	0.0958144	0.18606590	3.0387259	20	8 5.1	20.7
256884 2008 DN_{37}	15.5	X	138.37462	332.74582	194.18773	10.90116	0.0215553	0.18806830	3.0171181	20	8 9.9	19.9
256885 2008 DO_{37}	16.1	X	210.63832	236.69307	358.86352	4.87460	0.1056322	0.21893576	2.7264126	20	—	—
256886 2008 DQ_{37}	17.1	X	279.38370	187.13817	15.90965	1.04123	0.0931677	0.22838983	2.6506448	20	—	—
256887 2008 DN_{38}	16.5	X	205.92561	20.25128	210.27063	5.25499	0.1895343	0.21448223	2.7640242	20	—	—
256888 2008 DS_{38}	15.5	X	37.74689	52.61073	194.03603	11.34725	0.1009490	0.18076661	3.0978276	20	7 24.1	19.7
256889 2008 DV_{38}	16.2	X	6.10122	300.11406	177.92781	11.83305	0.1433970	0.23210267	2.6223015	20	—	—
256890 2008 DT_{40}	16.1	X	310.89154	312.62551	188.78028	10.93277	0.1480482	0.22270903	2.6955300	20	—	—
256891 2008 DU_{40}	16.9	X	12.75302	347.30011	185.64098	6.18752	0.0807262	0.24140086	2.5545251	20	3 1.8	19.9
256892 Wutayou	16.9	X	142.79516	131.89052	38.01799	2.88215	0.1334091	0.27351603	2.3504311	20	9 5.1	20.4
256893 2008 DM_{43}	17.6	X	114.25166	118.78805	32.70285	3.26181	0.1154463	0.26525222	2.3989988	20	7 8.3	21.0
256894 2008 DR_{43}	15.8	X	359.99470	339.64374	246.52602	9.31329	0.1577669	0.17405519	3.1769574	20	4 26.7	19.5
256895 2008 DC_{44}	16.2	X	214.14058	113.90225	111.92568	4.57175	0.0502937	0.22357952	2.6885288	20	—	—
256896 2008 DC_{47}	16.1	X	174.85514	150.56492	99.19465	4.05293	0.0323762	0.21381963	2.7697314	20	—	—
256897 2008 DN_{47}	15.9	X	56.84592	264.34477	174.09416	15.59030	0.1450002	0.23402050	2.6079551	20	1 9.9	19.0
256898 2008 DZ_{51}	15.9	X	228.74422	347.28893	190.19391	13.30009	0.1276790	0.21190456	2.7863940	20	12 4.4	20.1
256899 2008 DB_{52}	15.6	X	43.50069	55.43603	196.41987	14.53681	0.2128103	0.18154259	3.0889938	20	8 24.6	19.8
256900 2008 DP_{53}	16.6	X	137.45300	293.81008	340.56763	6.46821	0.0539658	0.21190280	2.7864093	20	12 28.4	20.7
256901 2008 DW_{53}	15.9	X	238.39496	169.43386	311.36743	5.16474	0.0862579	0.20187915	2.8778958	20	10 6.5	20.1
256902 2008 DO_{55}	15.9	X	146.50071	261.84070	341.88853	3.55696	0.0598608	0.20921807	2.8101959	20	11 29.3	20.0
256903 2008 DF_{56}	16.2	X	97.65767	48.60535	350.22507	13.44479	0.0839170	0.23621652	2.5917665	20	1 17.8	19.7
256904 2008 DY_{63}	17.3	X	56.06591	126.47916	63.13852	2.25028	0.1136948	0.25859755	2.4399810	20	6 11.2	19.8
256905 2008 DW_{66}	16.4	X	44.10671	138.83028	308.31973	5.06825	0.0170937	0.23117578	2.6293062	20	—	—
256906 2008 DR_{68}	15.7	X	3.58803	267.76518	27.02090	7.78141	0.1532695	0.18144108	3.0901458	20	8 13.4	19.3
256907 2008 DM_{71}	16.0	X	357.43785	273.55899	0.08359	15.33989	0.1892445	0.18113007	3.0936820	20	7 1.4	19.6
256908 2008 DW_{72}	17.4	X	113.39513	204.67829	258.17459	0.57181	0.1030178	0.25635990	2.4541588	20	4 29.0	20.7
256909 2008 DT_{81}	16.3	X	233.01428	337.93627	188.63118	10.18477	0.1109436	0.20942572	2.8083380	20	11 28.0	20.3
256910 2008 DW_{82}	16.0	X	127.65480	208.49083	45.71312	2.65549	0.0245315	0.20590865	2.8402266	20	11 20.3	19.9
256911 2008 DL_{83}	16.7	X	281.54294	97.60633	41.87842	5.31257	0.0584488	0.21402982	2.7679178	20	—	—
256912 2008 DP_{83}	16.4	X	87.14491	224.06258	69.80638	3.10765	0.0399514	0.20323273	2.8651033	20	11 22.7	20.4
256913 2008 DV_{84}	16.3	X	74.35303	239.60829	131.25951	6.89717	0.0248327	0.22081022	2.7109610	20	—	—
256914 2008 DO_{86}	17.0	X	25.47977	337.89479	82.63000	2.05932	0.0832131	0.22074637	2.7114837	20	—	—
256915 2008 EA_{2}	16.9	X	7.89229	229.40814	206.98192	4.82055	0.0385199	0.22151851	2.7051791	20	—	—
256916 2008 EC_{2}	17.6	X	43.43735	236.33968	241.51938	2.47050	0.1413778	0.24106300	2.5569114	20	2 8.4	20.2
256917 2008 EJ_{5}	16.6	X	351.99700	192.45034	78.37186	5.80790	0.0899299	0.26212556	2.4180381	20	6 17.8	19.1
256918 2008 EA_{6}	17.0	X	130.18564	90.55911	21.27225	10.31765	0.2023167	0.26135501	2.4227885	20	6 7.9	21.0
256919 2008 EX_{6}	17.2	X	184.45169	82.37624	17.08710	6.93709	0.1347550	0.26959806	2.3731483	20	7 16.1	20.9
256920 2008 EH_{7}	17.5	X	30.29569	90.95456	29.35092	0.06504	0.0680073	0.23985079	2.5655193	20	1 19.5	20.5
256921 2008 EV_{7}	16.0	X	239.38822	188.51884	45.42757	2.70279	0.2377123	0.22321828	2.6914287	20	—	—
256922 2008 ET_{11}	16.3	X	73.40790	268.19027	91.27921	6.24090	0.1330997	0.21916037	2.7245495	20	—	—
256923 2008 EC_{13}	16.3	X	73.78491	280.47023	48.65341	5.02163	0.0734794	0.21184708	2.7868979	20	12 25.9	20.4
256924 2008 EF_{13}	16.4	X	199.93776	139.10446	55.71255	4.49415	0.0336982	0.21071953	2.7968308	20	12 2.4	20.3
256925 2008 EH_{15}	16.6	X	304.85182	291.58127	172.71165	2.99563	0.0605613	0.21308270	2.7761138	20	12 23.3	20.1
256926 2008 EJ_{16}	16.2	X	60.49333	9.43566	8.13883	17.29124	0.2244984	0.21833525	2.7314095	20	—	—
256927 2008 EU_{21}	15.7	X	316.05122	145.70157	186.89538	10.25937	0.1057781	0.18031968	3.1029442	20	7 8.4	19.9
256928 2008 EW_{21}	16.3	X	222.10912	325.06415	219.48418	2.68066	0.0310207	0.21028491	2.8006832	20	12 17.0	20.0
256929 2008 EO_{23}	16.8	X	175.16406	349.55831	117.41546	7.33763	0.1556065	0.27039652	2.3684742	20	7 14.5	20.4
256930 2008 EY_{26}	16.7	X	98.94592	151.76750	149.78533	4.89866	0.0455272	0.21178653	2.7874291	20	12 18.2	20.7
256931 2008 ER_{28}	15.3	X	12.34622	210.50837	51.35675	5.76548	0.1044595	0.17658802	3.1465059	20	7 7.7	19.2
256932 2008 EC_{29}	16.7	X	46.47194	69.42452	27.30282	13.45326	0.1321137	0.23343710	2.6122985	20	1 21.7	19.8
256933 2008 EE_{29}	15.5	X	62.05599	216.61748	26.93976	17.98357	0.0941598	0.18391738	3.0623456	20	9 3.7	20.0
256934 2008 EK_{32}	16.6	X	42.40942	182.52875	303.67667	5.68458	0.0883163	0.24304355	2.5430017	20	2 14.6	19.4
256935 2008 EG_{34}	16.2	X	297.98564	119.78956	346.96044	5.52870	0.0241463	0.21325264	2.7746387	20	12 18.4	19.9
256936 2008 EZ_{37}	15.5	X	341.81478	164.66651	120.36613	6.39390	0.2428799	0.17656619	3.1467653	20	6 8.4	18.7
256937 2008 EG_{38}	17.4	X	223.80483	111.79158	86.97471	3.81196	0.0854719	0.29708830	2.2243973	20	—	—
256938 2008 EH_{39}	16.7	X	128.31085	288.13591	116.71579	5.52180	0.0987719	0.24390722	2.5369950	20	3 3.9	20.1
256939 2008 EA_{40}	16.0	X	331.50226	290.35413	192.52508	14.97090	0.0651635	0.22349133	2.6892361	20	—	—
256940 2008 EW_{40}	17.2	X	12.97025	200.94206	276.07259	2.53751	0.1286070	0.23285964	2.6166155	20	—	—
256941 2008 EJ_{42}	16.8	X	62.39139	350.97353	15.19103	6.54519	0.0567302	0.21473210	2.7618796	20	—	—
256942 2008 EM_{42}	17.1	X	338.65484	27.92936	167.44028	2.90046	0.1621722	0.23852195	2.5750390	20	1 28.6	20.1
256943 2008 EG_{46}	16.1	X	73.28508	238.04053	203.80982	21.57246	0.0658892	0.23552481	2.5968385	20	1 27.9	19.9
256944 2008 EZ_{47}	16.8	X	298.34804	280.85233	183.19373	7.35855	0.1867664	0.21306401	2.7762761	20	12 5.2	19.8
256945 2008 ED_{48}	15.5	X	204.55119	7.71170	23.99514	13.07417	0.1408722	0.25203351	2.4821643	20	5 3.4	19.4
256946 2008 EJ_{48}	16.6	X	84.61683	295.92027	119.34009	0.45371	0.1545026	0.23192981	2.6236043	20	1 28.1	19.7
256947 2008 EQ_{49}	16.4	X	337.40713	70.77469	2.89491	4.53728	0.0613697	0.21403682	2.7678575	20	12 31.9	19.9
256948 2008 ED_{51}	16.4	X	103.51536	172.57551	219.28349	2.19909	0.1609739	0.23256712	2.6188091	20	1 24.4	19.7
256949 2008 ED_{59}	17.1	X	41.71214	129.25030	356.74154	9.30795	0.1071832	0.24453614	2.5326432	20	2 18.1	19.8
256950 2008 EZ_{59}	16.1	X	44.06097	42.44463	192.22088	13.11181	0.2023069	0.18252819	3.0778639	20	8 1.4	20.2
256951 2008 EF_{68}	16.4	X	187.62224	162.18739	149.91085	7.86325	0.1262409	0.23227167	2.6210294	20	1 13.3	20.5
256952 2008 EM_{69}	16.4	X	55.66983	343.96563	33.35785	6.84793	0.0355025	0.22152834	2.7050992	20	—	—
256953 2008 EH_{72}	16.7	X	70.88966	233.67127	120.38794	6.47164	0.0723540	0.21886013	2.7270407	20	—	—
256954 2008 EV_{72}	15.6	X	180.38732	289.99583	48.22877	8.82760	0.1592555	0.23889363	2.5723674	20	2 11.8	19.8
256955 2008 ER_{75}	17.0	X	281.79992	169.04480	68.22601	3.86162	0.0044929	0.23673394	2.5879886	20	1 31.7	20.5
256956 2008 ES_{75}	15.8	X	336.52569	259.14923	72.69429	3.83498	0.1342790	0.18696604	3.0289648	20	8 12.7	19.2
256957 2008 EA_{76}	16.2	X	153.99852	353.33671	30.29197	7.84850	0.2268568	0.24298023	2.5434435	20	3 16.9	20.4
256958 2008 EM_{76}	17.7	X	145.00429	91.89662	44.57066	2.94288	0.1628151	0.26693959	2.3888785	20	7 24.9	21.4
256959 2008 ER_{77}	16.7	X	285.73373	64.21507	58.53358	4.51864	0.0492298	0.21221181	2.7837038	20	12 20.1	20.2
256960 2008 EL_{82}	15.3	X	66.27239	222.49303	327.60953	17.08702	0.0937918	0.17944671	3.1129995	20	6 23.9	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
256961 2008 EA_{83}	16.8	X	165.01515	291.61382	193.03100	7.97868	0.1849333	0.27046991	2.3680457	20	7 25.9	20.8
256962 2008 EW_{83}	15.5	X	84.87309	327.22856	183.46342	11.02241	0.0222977	0.17807413	3.1289755	20	5 18.1	20.0
256963 2008 ES_{84}	15.9	X	317.85060	336.94296	170.17407	14.51826	0.2289205	0.22674632	2.6634377	20	—	—
256964 2008 EV_{86}	16.7	X	88.43382	259.44301	101.09946	3.72238	0.0903003	0.21993162	2.7181761	20	—	—
256965 2008 EL_{87}	16.1	X	85.17813	42.33725	189.50693	9.69129	0.1495120	0.18983243	2.9983968	20	9 14.5	20.6
256966 2008 EP_{89}	15.4	X	359.42677	34.67584	232.23383	7.53441	0.0343083	0.17955468	3.1117514	20	6 21.4	19.6
256967 2008 EV_{89}	16.6	X	123.39015	201.54160	88.43431	3.83706	0.0292892	0.21211451	2.7845550	20	12 30.9	20.5
256968 2008 EL_{90}	16.9	X	330.86145	139.20317	351.51688	0.75877	0.1202052	0.22645539	2.6657185	20	—	—
256969 2008 EA_{95}	16.7	X	299.13845	338.16762	131.29819	5.26456	0.0246651	0.21002078	2.8030308	20	12 22.7	20.4
256970 2008 ET_{97}	15.9	X	31.21835	253.39640	187.28247	21.70647	0.0597765	0.22937422	2.6430557	20	—	—
256971 2008 ET_{98}	18.1	X	249.77048	60.84952	48.17755	3.23734	0.1965934	0.28952273	2.2629811	20	10 7.7	20.7
256972 2008 EJ_{101}	16.2	X	117.81034	211.17718	141.25956	15.27747	0.1535028	0.22927379	2.6438274	20	—	—
256973 2008 EQ_{104}	16.3	X	70.56722	238.09582	181.92240	12.91289	0.0760186	0.23236691	2.6203131	20	1 1.6	19.8
256974 2008 ET_{107}	16.5	X	151.53194	127.56674	171.53752	1.52743	0.1213716	0.22780442	2.6551839	20	—	—
256975 2008 EE_{113}	16.3	X	29.45906	50.10634	220.58859	5.42764	0.1055152	0.18455915	3.0552423	20	8 13.9	20.3
256976 2008 EM_{114}	15.8	X	158.25740	28.25158	348.29869	13.90094	0.1863052	0.24007209	2.5639424	20	3 7.2	19.9
256977 2008 ES_{119}	16.5	X	92.21206	18.39622	25.36760	3.77998	0.0574404	0.23296912	2.6157956	20	1 10.5	19.9
256978 2008 EC_{120}	16.3	X	12.84452	282.42685	173.28592	12.70970	0.1408708	0.22906393	2.6454420	20	—	—
256979 2008 EN_{121}	16.0	X	83.37219	165.38797	50.87192	1.33264	0.1081974	0.18570529	3.0426584	20	8 19.9	20.2
256980 2008 EV_{121}	16.7	X	95.59614	112.55881	249.19381	0.68424	0.0724547	0.22238662	2.6981346	20	—	—
256981 2008 EA_{122}	16.0	X	20.60221	273.07264	0.30975	7.14209	0.0416820	0.18468442	3.0538607	20	8 2.2	20.1
256982 2008 EW_{122}	16.9	X	305.70340	304.74579	205.41526	16.58643	0.1656908	0.22402820	2.6849380	20	—	—
256983 2008 EJ_{127}	16.2	X	248.39503	219.93578	197.14919	8.82964	0.0239430	0.18758453	3.0223032	20	8 5.5	20.6
256984 2008 EL_{127}	15.8	X	137.52522	227.26505	101.50556	11.70108	0.0558453	0.22581392	2.6707644	20	—	—
256985 2008 EW_{128}	16.7	X	225.01000	110.04924	114.30270	4.49068	0.0273188	0.22196091	2.7015834	20	—	—
256986 2008 EL_{129}	16.2	X	69.84483	227.17405	100.75502	5.46080	0.0660785	0.20957441	2.8070095	20	12 18.7	20.1
256987 2008 EL_{132}	16.4	X	355.52494	114.59005	2.62114	15.19482	0.0740280	0.23067114	2.6331395	20	—	—
256988 2008 EM_{133}	15.7	X	261.56801	71.70492	292.86173	8.38126	0.0837104	0.18576841	3.0419692	20	6 8.9	20.2
256989 2008 EM_{137}	16.0	X	350.01724	6.78937	19.81538	15.59275	0.1371454	0.20477834	2.8506685	20	11 18.2	19.4
256990 2008 ET_{137}	16.0	X	311.45824	171.23197	174.27637	11.13938	0.1073433	0.18386549	3.0629218	20	7 18.3	20.1
256991 2008 ES_{139}	17.2	X	146.13811	229.94332	217.32336	1.77100	0.1563125	0.25962513	2.4335386	20	5 20.9	21.0
256992 2008 EC_{140}	18.2	X	211.44407	314.35290	127.75289	1.74473	0.1449264	0.27377073	2.3489731	20	7 19.1	21.7
256993 2008 EM_{142}	16.2	X	349.78626	15.92831	115.47354	5.81939	0.1041350	0.23066755	2.6331669	20	—	—
256994 2008 EB_{143}	16.2	X	281.24298	154.27538	54.44362	13.23879	0.0965411	0.22773759	2.6557034	20	—	—
256995 2008 EJ_{147}	17.4	X	132.75967	271.37299	248.29281	2.38990	0.1481616	0.26874205	2.3781850	20	8 10.1	20.9
256996 2008 ED_{148}	15.8	X	24.92099	284.23578	356.11955	11.96687	0.1168712	0.18538962	3.0461113	20	8 26.9	19.6
256997 2008 EF_{148}	16.8	X	113.15088	45.02127	338.54081	1.18750	0.0827357	0.23210493	2.6222845	20	1 15.7	20.1
256998 2008 EJ_{149}	15.6	X	315.62769	123.42300	201.38526	14.91331	0.0849169	0.18096422	3.0955720	20	6 29.4	20.0
256999 2008 EC_{150}	15.9	X	72.59684	344.05331	11.32056	11.33682	0.0722201	0.21674782	2.7447295	20	—	—
257000 2008 EF_{150}	16.9	X	345.26766	61.15267	35.38790	2.19078	0.0340856	0.22011296	2.7166831	20	—	—
257001 2008 EM_{150}	16.7	X	99.57623	265.54855	355.94341	7.32916	0.0138014	0.19994111	2.8964630	20	10 22.6	20.8
257002 2008 EX_{150}	16.4	X	48.72901	328.86014	120.28328	5.25477	0.1549181	0.22912079	2.6450043	20	1 13.4	18.9
257003 2008 ED_{151}	15.8	X	108.36244	25.35186	39.19550	13.82396	0.1601924	0.23933061	2.5692353	20	3 19.0	19.5
257004 2008 ES_{151}	16.9	X	6.99188	357.00525	0.98182	1.69753	0.0785787	0.20310129	2.8663393	20	11 5.1	20.6
257005 Arpadpal	16.7	X	275.54293	308.60052	198.96946	3.97489	0.0095487	0.21061255	2.7977778	20	—	—
257006 2008 EC_{154}	15.9	X	33.74072	18.74481	236.44492	2.72220	0.0665306	0.18165424	3.0877279	20	7 27.2	20.0
257007 2008 ED_{158}	15.2	X	47.39056	92.41390	202.43292	19.64509	0.1078243	0.19189629	2.9768595	20	10 13.5	19.2
257008 2008 EX_{159}	16.4	X	333.04026	342.03912	47.83660	2.76026	0.0440956	0.20254475	2.8715875	20	10 26.9	20.2
257009 2008 EH_{165}	16.9	X	153.21748	30.04817	245.92088	1.67503	0.0388098	0.21472373	2.7619513	20	—	—
257010 2008 EO_{166}	14.9	X	41.72327	170.26516	54.31323	17.93547	0.1365656	0.17799488	3.1299042	20	7 8.7	19.1
257011 2008 ES_{167}	16.4	X	286.13275	341.11996	265.80529	5.50514	0.0849474	0.23853986	2.5749101	20	2 4.1	19.9
257012 2008 EA_{169}	15.4	X	244.34413	14.64450	112.09144	11.87191	0.0264072	0.20227050	2.8741825	20	11 6.5	19.6
257013 2008 FW_{1}	16.7	X	293.95506	132.32507	331.71256	3.98075	0.0209772	0.21319577	2.7751321	20	12 9.6	20.4
257014 2008 FQ_{6}	15.6	X	320.35999	133.07058	183.32159	26.91269	0.2330739	0.17395078	3.1782286	20	6 8.7	19.9
257015 2008 FJ_{8}	15.8	X	43.97979	57.09051	189.45526	9.42596	0.0799727	0.18191616	3.0847634	20	7 30.7	20.0
257016 2008 FR_{11}	17.2	X	20.29767	294.76951	171.60317	2.51689	0.0689649	0.23551264	2.5969279	20	—	—
257017 2008 FU_{12}	17.2	X	72.64238	104.62871	179.19661	2.59503	0.2140703	0.27930025	2.3178669	20	11 26.9	20.8
257018 2008 FX_{12}	16.7	X	203.09434	98.27506	176.83897	5.06618	0.0986331	0.22874649	2.6478889	20	—	—
257019 2008 FN_{14}	15.8	X	229.93573	225.87485	183.37618	10.69894	0.1014544	0.18527322	3.0473870	20	6 26.3	20.6
257020 2008 FJ_{17}	17.3	X	67.67264	337.08064	114.68897	3.40933	0.0771537	0.24117803	2.5560983	20	2 8.5	20.3
257021 2008 FK_{18}	16.4	X	174.61598	346.74513	163.57902	2.21101	0.0523666	0.19615897	2.9335755	20	9 5.0	20.7
257022 2008 FT_{23}	16.8	X	333.37900	142.87406	54.39524	7.48575	0.1173282	0.23701096	2.5859717	20	2 2.3	20.0
257023 2008 FQ_{24}	16.1	X	90.43402	258.01770	120.26643	6.97766	0.0403759	0.22191595	2.7019483	20	—	—
257024 2008 FU_{24}	16.2	X	78.94417	5.21113	57.01257	12.60006	0.0911448	0.23122193	2.6289563	20	1 22.6	19.6
257025 2008 FK_{25}	17.2	X	165.84316	355.44865	66.44127	2.31052	0.1779765	0.25893688	2.4378488	20	5 8.3	21.1
257026 2008 FX_{25}	16.1	X	181.80178	125.65448	158.58132	6.82444	0.0628852	0.22334832	2.6903839	20	—	—
257027 2008 FU_{32}	17.8	X	186.19985	115.83498	324.43456	1.56087	0.1433744	0.26713906	2.3876892	20	6 20.2	21.3
257028 2008 FM_{35}	16.0	X	346.68670	306.82960	0.89328	10.27921	0.0868442	0.18641221	3.0349613	20	7 31.2	19.9
257029 2008 FK_{38}	16.8	X	333.57052	154.80692	58.41527	5.71388	0.0832164	0.24001248	2.5643670	20	2 28.8	20.0
257030 2008 FW_{38}	17.0	X	294.33008	75.26575	112.72344	4.37315	0.1015641	0.22617180	2.6679463	20	—	—
257031 2008 FD_{39}	16.3	X	21.88802	267.50509	151.88567	5.95787	0.0428413	0.21673534	2.7448349	20	—	—
257032 2008 FZ_{39}	16.4	X	115.62953	267.78181	53.20481	4.74141	0.0240013	0.21497666	2.7597845	20	—	—
257033 2008 FL_{41}	16.0	X	198.72156	26.84143	79.77625	4.77513	0.0303809	0.18613858	3.0379349	20	8 10.5	20.3
257034 2008 FN_{41}	16.8	X	68.29959	182.41331	189.21339	5.57447	0.0749223	0.22166333	2.7040008	20	—	—
257035 2008 FO_{48}	16.9	X	25.52195	14.16471	42.92834	2.58135	0.0688693	0.21975824	2.7196057	20	—	—
257036 2008 FU_{48}	16.6	X	104.22045	10.04140	27.47305	4.27595	0.1537688	0.23356921	2.6113134	20	2 2.7	19.9
257037 2008 FX_{50}	16.8	X	290.80938	5.02332	174.65973	6.32736	0.0805609	0.22526724	2.6750836	20	—	—
257038 2008 FV_{51}	15.8	X	310.00165	171.61364	181.27282	12.00297	0.1813461	0.18446149	3.0563206	20	7 15.9	19.7
257039 2008 FR_{54}	16.3	X	78.90170	248.51416	58.79255	2.93899	0.0636955	0.20143977	2.8820792	20	12 1.7	20.4
257040 2008 FY_{55}	16.8	X	284.59506	59.39868	65.35895	0.97305	0.0186273	0.20966265	2.8062218	20	12 23.1	20.6

ELEMENTS AND OPPOSITION DATES IN 2020

ECLIPTIC AND EQUINOX 2000.0, EPOCH 2020 MAY 31.0 TT

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
257041 2008 FN_{58}	15.4	X	105.74206	326.89472	198.70645	15.34624	0.1090416	0.17714200	3.1399424	20	7 9.2	20.4
257042 2008 FD_{67}	16.5	X	155.66538	322.71099	202.48442	4.63582	0.0703012	0.18767569	3.0213245	20	8 31.1	21.0
257043 2008 FH_{67}	15.6	X	142.62798	275.91467	208.05344	8.45945	0.0317586	0.17398533	3.1778078	20	6 23.6	20.3
257044 2008 FL_{67}	15.9	X	192.77892	292.14193	200.53637	14.22146	0.0416489	0.18960376	3.0008071	20	8 31.0	20.4
257045 2008 FN_{69}	17.0	X	72.08917	5.57018	106.94139	3.91100	0.1400857	0.24115426	2.5562663	20	3 25.1	19.9
257046 2008 FT_{74}	15.2	X	136.65348	260.93244	228.05464	13.12523	0.1993588	0.17843992	3.1246979	20	7 3.2	20.5
257047 2008 FN_{77}	16.4	X	38.18757	280.50117	24.61972	0.22757	0.1424955	0.19281206	2.9674262	20	10 19.7	20.1
257048 2008 FA_{78}	17.0	X	120.76114	85.23823	210.44448	3.77443	0.0409525	0.21164370	2.7886830	20	—	—
257049 2008 FL_{78}	16.6	X	326.56722	154.00321	249.29692	1.01279	0.0673003	0.20313007	2.8660685	20	11 3.5	20.2
257050 2008 FX_{79}	16.1	X	0.97727	304.00817	13.04244	4.21783	0.1025159	0.18798232	3.0180380	20	9 3.7	19.7
257051 2008 FE_{80}	17.1	X	313.18095	204.52568	243.09028	0.86379	0.0702896	0.21086868	2.7955118	20	12 13.2	20.5
257052 2008 FH_{82}	15.8	X	289.47544	170.84110	183.15551	10.64019	0.1416401	0.18154068	3.0890154	20	6 22.9	20.1
257053 2008 FT_{84}	16.4	X	79.14512	23.00436	13.01386	8.56605	0.0764383	0.22921990	2.6442419	20	—	—
257054 2008 FN_{85}	16.6	X	96.27492	27.30275	17.30450	4.99563	0.0848946	0.23527967	2.5986420	20	1 21.4	20.0
257055 2008 FF_{86}	15.8	X	25.41382	187.71049	68.32298	1.91410	0.1335197	0.18125116	3.0923040	20	7 24.6	19.5
257056 2008 FL_{88}	16.4	X	189.97962	288.97955	195.94223	13.98393	0.0284274	0.18865461	3.0108637	20	8 18.5	21.0
257057 2008 FU_{88}	16.0	X	70.25176	152.63066	86.37915	3.38558	0.1214129	0.18211146	3.0825576	20	9 4.3	20.3
257058 2008 FN_{89}	16.4	X	76.50272	7.12566	6.95548	10.95695	0.1281536	0.22487319	2.6782077	20	—	—
257059 2008 FD_{94}	15.8	X	357.03410	181.64168	180.48033	11.86441	0.0302223	0.19553876	2.9397754	20	10 24.1	19.8
257060 2008 FL_{94}	16.5	X	57.24478	324.98666	82.33108	6.55849	0.0717233	0.22000835	2.7175442	20	—	—
257061 2008 FB_{96}	15.6	X	223.58918	321.77482	268.52109	7.68920	0.0963985	0.21808320	2.7335136	20	—	—
257062 2008 FC_{99}	15.7	X	301.04220	254.71499	76.47997	10.05749	0.0931761	0.17446631	3.1719645	20	6 16.5	19.9
257063 2008 FZ_{99}	15.9	X	106.84718	355.43240	64.44717	14.93885	0.1539417	0.23596065	2.5936398	20	3 12.7	19.8
257064 2008 FG_{102}	16.4	X	262.63603	292.52236	173.00464	10.90982	0.1222263	0.20028606	2.8931363	20	10 17.2	20.3
257065 2008 FJ_{102}	16.8	X	124.57439	38.87270	77.97425	7.78856	0.2000524	0.25518944	2.4616573	20	6 10.4	20.4
257066 2008 FU_{107}	15.6	X	38.73789	218.27646	38.66686	12.19075	0.1573148	0.18033863	3.1027269	20	8 25.5	19.7
257067 2008 FV_{110}	15.5	X	131.20815	94.48985	32.18697	26.94578	0.1278025	0.17529813	3.1619223	20	6 17.8	20.8
257068 2008 FE_{113}	16.7	X	28.58206	255.76276	126.68139	1.39857	0.0834579	0.21372610	2.7705395	20	—	—
257069 2008 FP_{113}	16.5	X	131.12254	146.68744	108.86161	3.19540	0.0172595	0.20324675	2.8649715	20	11 26.1	20.6
257070 2008 FV_{113}	16.5	X	105.98240	261.82909	195.63865	14.78569	0.0997784	0.24571464	2.5245387	20	4 13.2	19.7
257071 2008 FB_{114}	16.0	X	333.89726	217.72418	103.10166	2.57424	0.1819345	0.17741875	3.1366763	20	7 17.7	19.4
257072 2008 FU_{114}	16.4	X	81.09388	282.17300	55.68300	4.27615	0.0981812	0.21098798	2.7944579	20	—	—
257073 2008 FU_{116}	15.4	X	353.72492	288.71903	29.44817	11.54675	0.0370209	0.18416690	3.0595789	20	8 26.2	19.6
257074 2008 FN_{117}	16.0	X	22.67019	41.90468	208.38242	3.90155	0.1396964	0.17416358	3.1756392	20	7 10.9	19.8
257075 2008 FJ_{118}	16.3	X	129.97240	145.47630	151.08507	4.87049	0.0420462	0.21344453	2.7729755	20	—	—
257076 2008 FK_{128}	16.0	X	104.11485	212.79963	76.14617	3.74928	0.0268641	0.20125372	2.8838551	20	12 4.7	20.1
257077 2008 FV_{130}	16.3	X	154.90254	120.21955	148.37481	4.93922	0.0252509	0.21075353	2.7965300	20	—	—
257078 2008 FZ_{130}	15.6	X	323.29156	154.65315	186.89458	8.40246	0.1119322	0.18450834	3.0558032	20	7 31.3	19.4
257079 2008 FU_{131}	15.8	X	325.44885	168.11150	188.37159	10.36137	0.1476431	0.18873263	3.0100339	20	8 22.0	19.3
257080 2008 FR_{135}	16.7	X	279.08202	188.82046	301.33373	1.84743	0.1305244	0.21052130	2.7985862	20	12 10.9	19.9
257081 2008 FV_{135}	16.4	X	87.83063	25.20382	209.48127	5.01520	0.1034432	0.18567440	3.0429959	20	9 14.6	20.9
257082 2008 FH_{137}	15.7	X	325.61606	351.67716	112.31440	13.70011	0.0942125	0.21500704	2.7595246	20	—	—
257083 2008 FS_{137}	16.4	X	336.16328	194.27485	17.38681	12.55031	0.2147093	0.23763015	2.5814776	20	2 14.5	19.4
257084 2008 GX_{1}	15.4	X	41.34538	279.67742	357.30592	8.86418	0.0620043	0.18692155	3.0294454	20	9 6.6	19.5
257085 2008 GD_{2}	16.4	X	250.17337	136.80501	79.02319	3.83496	0.0362681	0.21896498	2.7261700	20	—	—
257086 2008 GT_{3}	15.8	X	142.42169	201.91191	118.89115	15.95927	0.0628955	0.22337755	2.6901492	20	—	—
257087 2008 GL_{14}	15.9	X	331.56450	341.24925	177.34659	13.63369	0.0786592	0.22688232	2.6623732	20	—	—
257088 2008 GH_{20}	15.3	X	84.39481	197.69831	16.02886	13.01939	0.1077809	0.18431093	3.0579848	20	8 22.9	19.9
257089 2008 GA_{23}	16.0	X	196.68995	134.43822	119.63088	4.35567	0.0504528	0.21850680	2.7299797	20	—	—
257090 2008 GZ_{26}	16.5	X	22.21322	33.55979	13.16776	5.09975	0.0420133	0.22039903	2.7143317	20	—	—
257091 2008 GT_{32}	15.6	X	315.73456	227.32038	106.66244	6.46865	0.1495066	0.17647730	3.1478219	20	7 5.6	19.4
257092 2008 GW_{34}	16.6	X	262.67958	278.68937	192.22291	1.67654	0.0352244	0.20355824	2.8620481	20	11 4.4	20.5
257093 2008 GK_{37}	15.4	X	288.64981	198.14326	201.31822	10.93419	0.1274218	0.18623475	3.0368889	20	8 20.3	19.5
257094 2008 GV_{38}	16.6	X	294.59270	291.95057	199.92639	8.78344	0.0859280	0.21030135	2.8005372	20	—	—
257095 2008 GO_{39}	16.5	X	33.35905	261.27907	139.86314	4.07594	0.0730616	0.22297444	2.6933905	20	—	—
257096 2008 GJ_{41}	15.9	X	311.84511	214.94281	124.40962	5.45140	0.1391138	0.17685397	3.1433507	20	7 7.7	19.8
257097 2008 GY_{42}	16.1	X	349.55210	263.94636	9.93626	3.96453	0.1497761	0.17481750	3.1677151	20	6 13.4	19.7
257098 2008 GR_{45}	15.1	X	336.73560	216.27169	81.28315	10.48112	0.0706911	0.17517043	3.1634588	20	6 27.7	19.2
257099 2008 GO_{46}	15.7	X	340.92363	243.19306	81.21263	11.28511	0.0321850	0.18018526	3.1044872	20	8 13.7	20.0
257100 2008 GQ_{46}	15.4	X	158.12497	0.65058	182.63314	12.61867	0.0861937	0.19104330	2.9857138	20	9 27.0	20.0
257101 2008 GV_{46}	16.5	X	313.33024	85.65749	122.63507	5.74558	0.2407471	0.23155118	2.6264636	20	—	—
257102 2008 GR_{49}	16.0	X	39.08914	322.26682	66.94671	5.73823	0.1288789	0.21120726	2.7925234	20	—	—
257103 2008 GE_{50}	15.6	X	327.50253	307.28121	29.14210	6.36272	0.1844432	0.18298547	3.0727341	20	7 29.7	19.1
257104 2008 GG_{52}	17.8	X	170.98268	78.82139	25.21558	3.72291	0.2125146	0.26646668	2.3917041	20	7 6.9	21.8
257105 2008 GE_{60}	16.4	X	294.35110	311.07350	175.74542	11.11331	0.0934986	0.21483028	2.7610380	20	—	—
257106 2008 GU_{60}	16.1	X	281.47464	42.01466	88.65552	5.54152	0.0185134	0.20959888	2.8067910	20	12 26.4	20.0
257107 2008 GJ_{64}	16.8	X	48.74772	110.22218	55.66519	8.25654	0.1423863	0.24466624	2.5317454	20	4 30.6	19.5
257108 2008 GO_{64}	15.9	X	319.27011	161.01815	171.89795	10.31984	0.1032011	0.18286311	3.0741047	20	7 14.4	19.9
257109 2008 GZ_{68}	15.6	X	111.49579	6.30394	198.03339	11.92187	0.0978017	0.18534892	3.0465573	20	9 1.2	20.3
257110 2008 GV_{70}	16.3	X	40.46237	163.29172	189.50870	10.19106	0.1019044	0.21041273	2.7995488	20	12 19.3	20.3
257111 2008 GE_{72}	17.0	X	11.46420	30.43604	332.46964	1.20029	0.0783309	0.20343125	2.8632390	20	11 17.9	20.5
257112 2008 GT_{72}	16.1	X	333.61165	134.52414	123.69105	0.83766	0.1548801	0.16804767	3.2522285	20	4 24.7	19.9
257113 2008 GE_{74}	16.1	X	262.93919	249.74735	149.15480	9.07166	0.0569034	0.18304899	3.0720232	20	7 28.2	20.5
257114 2008 GN_{77}	16.5	X	255.36748	164.98896	59.56188	14.77379	0.0303670	0.22194827	2.7016860	20	—	—
257115 2008 GE_{78}	17.3	X	223.25381	32.62359	86.63071	5.41882	0.1699624	0.27726288	2.3292077	20	9 21.7	20.5
257116 2008 GH_{79}	15.7	X	132.24128	292.11729	204.72683	7.94125	0.1060008	0.17614140	3.1518225	20	7 3.3	20.6
257117 2008 GO_{81}	15.7	X	297.71359	160.97925	200.36309	10.65813	0.0134294	0.17784459	3.1316673	20	7 28.9	20.3
257118 2008 GS_{81}	15.2	X	324.42037	212.08080	86.04468	18.63789	0.0800659	0.16993704	3.2280780	20	6 9.9	19.5
257119 2008 GD_{86}	16.7	X	292.09945	120.37923	44.64688	4.43174	0.0315610	0.22155465	2.7048850	20	—	—
257120 2008 GU_{87}	16.9	X	93.64451	291.32950	32.08817	6.61150	0.0126434	0.21096481	2.7946625	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
257121 2008 GZ_{87}	15.4	X	162.27819	9.28583	156.99599	12.37223	0.0321821	0.19151708	2.9807877	20	9 11.6	19.6
257122 2008 GC_{89}	16.3	X	38.56262	149.74673	111.93667	1.94932	0.0333204	0.18306146	3.0718837	20	8 8.7	20.5
257123 2008 GT_{96}	16.6	X	47.20037	347.09833	64.67952	3.51648	0.1096594	0.22512393	2.6762187	20	—	—
257124 2008 GG_{98}	15.6	X	35.79322	255.33402	68.11994	12.73772	0.1197360	0.19108221	2.9853084	20	11 7.6	19.6
257125 2008 GX_{101}	16.4	X	14.84382	49.93352	97.59679	4.36151	0.0644839	0.23338262	2.6127050	20	2 3.6	19.4
257126 2008 GH_{106}	16.6	X	320.44572	201.13650	218.37924	1.16673	0.0603523	0.20209209	2.8758739	20	11 15.6	20.3
257127 2008 GZ_{116}	15.6	X	263.88845	304.78684	79.55356	10.62187	0.0828283	0.17754935	3.1351379	20	7 7.5	20.1
257128 2008 GT_{117}	16.3	X	290.67252	309.95652	106.03498	6.89685	0.0807644	0.19239229	2.9717409	20	9 28.5	20.2
257129 2008 GK_{118}	16.4	X	15.38916	91.27674	205.60164	3.46232	0.0446070	0.18458020	3.0550100	20	8 22.3	20.4
257130 2008 GY_{120}	16.0	X	287.39428	124.32983	64.99942	13.36522	0.0725185	0.22520596	2.6755688	20	—	—
257131 2008 GV_{121}	16.6	X	318.67451	40.78674	66.18544	5.39477	0.0224514	0.21244497	2.7816666	20	—	—
257132 2008 GF_{123}	17.0	X	73.18388	279.96020	166.86835	1.93659	0.0900846	0.23469167	2.6029806	20	2 11.9	19.9
257133 2008 GL_{130}	16.2	X	312.15978	318.79890	54.57507	11.70409	0.0270596	0.18439567	3.0570479	20	9 10.6	20.5
257134 2008 GY_{132}	15.8	X	291.37980	221.07769	182.50223	10.36432	0.0179184	0.18925425	3.0045005	20	9 16.0	20.0
257135 2008 GM_{136}	16.6	X	346.98143	64.39304	41.25557	4.90726	0.0300780	0.21523988	2.7575341	20	—	—
257136 2008 GK_{142}	16.1	X	197.87008	356.84862	215.35949	8.44979	0.0892951	0.21266556	2.7797428	20	12 15.8	20.3
257137 2008 GL_{144}	15.1	X	63.41309	157.54952	97.90785	23.67243	0.1092329	0.18600923	3.0393431	20	9 25.4	19.8
257138 2008 HM	16.7	X	70.62862	204.00877	34.40731	1.63456	0.0402362	0.18637264	3.0353908	20	8 22.8	20.8
257139 2008 HB_{3}	16.4	X	175.33339	231.41754	108.24123	6.59981	0.1454986	0.23564135	2.5959823	20	2 5.9	20.4
257140 2008 HJ_{4}	15.3	X	80.81098	198.54942	34.26584	10.35990	0.0569885	0.18421348	3.0590631	20	9 4.1	19.7
257141 2008 HW_{5}	16.2	X	43.37079	235.02126	168.98181	5.28892	0.0354222	0.21809925	2.7333795	20	—	—
257142 2008 HA_{6}	16.5	X	74.09747	290.07108	45.76832	4.78539	0.0121721	0.20914787	2.8108246	20	12 26.7	20.5
257143 2008 HP_{6}	16.7	X	335.30574	250.10085	194.15670	1.32681	0.0643321	0.21293442	2.7774024	20	—	—
257144 2008 HP_{9}	16.4	X	16.60672	133.27399	202.08126	1.31612	0.0963645	0.19520155	2.9431600	20	10 21.8	20.0
257145 2008 HW_{9}	16.1	X	355.56868	248.85396	35.01759	1.12774	0.1720869	0.17554364	3.1589735	20	7 9.7	19.6
257146 2008 HA_{13}	15.7	X	325.43251	156.50585	191.30019	10.94033	0.1336478	0.18569379	3.0427840	20	8 10.1	19.4
257147 2008 HP_{13}	16.4	X	25.21367	278.79134	332.40516	1.09584	0.0841266	0.17796456	3.1302597	20	7 11.8	20.2
257148 2008 HL_{15}	15.5	X	226.66898	170.97870	173.35580	9.37158	0.1423035	0.15540658	3.4262821	20	4 4.1	20.9
257149 2008 HW_{16}	15.7	X	127.50452	311.23564	220.16829	9.04943	0.0210444	0.17861251	3.1226847	20	8 1.2	20.3
257150 2008 HF_{17}	15.1	X	81.98769	118.40363	118.92290	12.88195	0.0958344	0.18199414	3.0838822	20	9 15.6	19.7
257151 2008 HO_{18}	16.2	X	150.44817	289.82294	342.80423	8.44071	0.0657911	0.21934712	2.7230028	20	—	—
257152 2008 HD_{21}	16.2	X	97.43893	92.38206	138.33268	6.14415	0.0931518	0.18425514	3.0586020	20	9 22.5	20.7
257153 2008 HQ_{27}	15.8	X	240.05741	191.80912	208.44011	9.56116	0.0606969	0.17586300	3.1551480	20	6 30.3	20.5
257154 2008 HM_{33}	15.2	X	344.25510	217.99730	87.60024	10.54482	0.0880593	0.17420691	3.1751126	20	7 20.5	19.2
257155 2008 HD_{37}	16.4	X	58.86769	70.72703	132.90285	2.15403	0.1279178	0.17370648	3.1812078	20	7 4.2	20.6
257156 2008 HO_{37}	16.6	X	27.67495	339.81129	98.58524	2.48654	0.0992724	0.22287444	2.6941961	20	—	—
257157 2008 HL_{38}	15.5	X	354.50479	44.74332	234.84561	8.35013	0.0621836	0.17472027	3.1688902	20	6 30.3	19.6
257158 2008 HN_{39}	17.2	X	355.90546	82.96983	353.61753	0.96183	0.0537960	0.21708753	2.7418654	20	—	—
257159 2008 HB_{43}	16.3	X	2.52419	295.80196	316.89323	1.74694	0.1009021	0.17273415	3.1931348	20	6 7.9	20.3
257160 2008 HR_{43}	16.8	X	326.53559	254.51534	194.10464	4.88456	0.1332633	0.21143168	2.7905470	20	—	—
257161 2008 HO_{54}	15.6	X	188.04360	265.96628	207.35378	8.92985	0.0478804	0.17938994	3.1136563	20	7 31.5	20.3
257162 2008 HU_{56}	16.6	X	62.23526	225.39669	193.22925	3.10484	0.0911313	0.22663427	2.6643156	20	—	—
257163 2008 HK_{58}	17.0	X	358.19415	88.42176	346.50293	1.92498	0.1603268	0.21868642	2.7284846	20	—	—
257164 2008 HO_{58}	16.7	X	53.01718	131.08089	288.66679	1.10926	0.0767462	0.22502912	2.6769704	20	—	—
257165 2008 HR_{60}	16.0	X	337.61590	176.22692	169.73685	10.45997	0.0883491	0.19036643	2.9927870	20	9 2.5	19.6
257166 2008 HQ_{66}	15.7	X	34.24161	283.30883	165.62777	21.75244	0.0974368	0.22675225	2.6633913	20	—	—
257167 2008 HS_{66}	16.2	X	31.90201	175.61510	342.38725	11.57611	0.1740189	0.24210942	2.5495386	20	3 16.3	18.5
257168 2008 HA_{69}	16.5	X	89.93273	7.53823	30.87625	3.89252	0.2196864	0.23036503	2.6354716	20	1 25.6	19.6
257169 2008 HN_{69}	15.6	X	37.20216	348.80936	269.54346	6.35790	0.1211353	0.17995180	3.1071717	20	8 10.9	19.6
257170 2008 JD_{1}	15.8	X	261.44526	304.85036	66.00372	9.60918	0.1420038	0.17282282	3.1920424	20	6 8.4	20.5
257171 2008 JS_{1}	16.8	X	342.23663	189.23310	211.77749	5.19568	0.0400241	0.20524616	2.8463351	20	11 23.6	20.5
257172 2008 JF_{2}	16.3	X	53.14475	63.19354	66.39967	13.75773	0.1339165	0.23797066	2.5790144	20	3 23.7	19.5
257173 2008 JF_{13}	13.2	X	302.08147	168.55313	141.57612	12.47347	0.0405721	0.08228210	5.2351902	20	5 31.7	20.1
257174 2008 JX_{18}	16.6	X	82.39455	53.99612	31.86679	13.64529	0.1341419	0.23936888	2.5689615	20	3 8.5	19.9
257175 2008 JO_{23}	15.6	X	154.21729	252.67379	218.71902	10.94700	0.0458817	0.17149543	3.2084924	20	6 21.9	20.4
257176 2008 JZ_{27}	16.3	X	342.78215	41.52373	79.04640	10.04077	0.0787973	0.21841426	2.7307507	20	—	—
257177 2008 JO_{28}	14.9	X	57.36616	210.73502	70.84820	14.98760	0.1913517	0.18391193	3.0624061	20	10 25.9	19.4
257178 2008 JE_{29}	15.2	X	12.63685	235.09364	70.35436	17.24386	0.0920010	0.18243670	3.0788929	20	9 14.0	19.5
257179 2008 JA_{30}	15.6	X	143.20763	293.90697	211.48079	9.22547	0.0336221	0.17609341	3.1523951	20	7 19.7	20.4
257180 2008 JF_{31}	15.9	X	92.37120	27.07394	55.41894	15.19639	0.1459971	0.23607758	2.5927833	20	3 22.3	19.6
257181 2008 JO_{32}	15.7	X	0.06746	293.62517	58.23293	10.27226	0.0805979	0.18903271	3.0068475	20	10 19.1	19.5
257182 2008 JZ_{34}	15.6	X	4.45052	148.21679	19.56943	17.39739	0.1238071	0.23637801	2.5905859	20	2 18.7	18.8
257183 2008 JP_{39}	15.7	X	303.39756	157.54260	221.47500	10.19481	0.0777239	0.18195140	3.0843651	20	8 20.4	19.9
257184 2008 KJ	16.3	X	112.14787	12.76268	233.64079	0.73938	0.0788447	0.19142861	2.9817060	20	10 25.2	20.8
257185 2008 KE_{1}	15.4	X	346.22742	290.80488	99.73940	12.61724	0.0465891	0.19404049	2.9548888	20	11 16.8	19.5
257186 2008 KZ_{7}	15.4	X	55.49249	36.45556	220.17690	12.02664	0.0696561	0.18055873	3.1002049	20	8 24.6	19.9
257187 2008 KD_{10}	15.2	X	114.81637	320.94870	226.83804	17.86954	0.1451087	0.17970190	3.1100517	20	8 14.8	20.4
257188 2008 KE_{11}	15.4	X	262.27037	309.81595	110.84842	10.17653	0.0437643	0.18285574	3.0741872	20	8 30.2	19.7
257189 2008 KU_{11}	15.7	X	52.77624	33.26849	229.01414	9.46869	0.0522110	0.17852103	3.1237513	20	8 26.0	20.2
257190 2008 KD_{35}	16.1	X	353.37511	173.10637	166.37694	3.19065	0.0727919	0.18401273	3.0612877	20	9 18.3	19.8
257191 2008 LE_{7}	15.8	X	223.71893	247.97491	178.79943	11.99287	0.0437985	0.17397335	3.1779537	20	7 15.6	20.6
257192 2008 MG	15.6	X	45.47376	52.81567	171.59241	5.93579	0.1114414	0.17080787	3.2170969	20	7 8.9	19.9
257193 2008 PK_{19}	13.7	X	288.37469	329.92198	72.67932	0.76679	0.0573569	0.08070673	5.3030966	20	8 25.1	20.6
257194 2008 PZ_{21}	15.2	X	28.48521	32.73816	320.66087	17.49259	0.0876687	0.18096058	3.0956134	20	11 21.4	19.7
257195 2008 QY_{41}	13.3	X	338.89607	59.57340	309.20922	9.07636	0.0653916	0.08513417	5.1176054	20	9 14.5	19.9
257196 2008 RE_{3}	13.7	X	257.37100	191.23163	263.37331	2.14439	0.0384467	0.08104577	5.2882967	20	9 18.4	20.6
257197 2008 RG_{33}	13.1	X	1.12210	14.78153	335.50363	7.20440	0.0327947	0.08239712	5.2303174	20	9 22.9	19.9
257198 2008 RE_{54}	14.2	X	331.97316	151.24746	213.12053	7.76519	0.0731860	0.08239437	5.2304335	20	8 31.8	20.8
257199 2008 RW_{58}	13.5	X	328.31604	237.74235	160.62698	3.49482	0.0728501	0.08442804	5.1461002	20	10 8.4	19.9
257200 2008 RJ_{65}	13.4	X	41.82504	285.01435	22.23547	8.46597	0.0877180	0.08422347	5.1544300	20	10 2.1	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
257201 2008 RT_{66}	12.9	X	259.46744	301.94638	152.67177	10.59389	0.0234366	0.08161611	5.2636313	20	9 25.7	19.9
257202 2008 RU_{122}	13.1	X	243.90713	178.94488	280.20960	4.27081	0.0612816	0.08114720	5.2838891	20	9 5.2	20.2
257203 2008 RW_{122}	13.1	X	260.62196	144.80017	305.60127	5.37581	0.1017475	0.08149325	5.2689204	20	9 8.5	20.1
257204 2008 SQ_{220}	13.7	X	308.43193	218.89441	186.75779	6.68650	0.0441702	0.08550305	5.1028756	20	9 22.9	20.3
257205 2008 TT_{64}	13.5	X	264.67492	109.95602	342.74844	3.61477	0.1175684	0.08153567	5.2670928	20	9 15.0	20.5
257206 2008 UA	13.0	X	273.60161	186.77439	251.28062	22.95170	0.0599887	0.08154514	5.2666847	20	9 6.3	20.3
257207 2008 UL_{123}	16.9	X	358.17449	150.18660	21.83502	9.05632	0.1406176	0.27994214	2.3143224	20	1 27.4	19.3
257208 2008 WB_{38}	15.8	X	335.18210	64.33100	66.62676	11.12344	0.0851147	0.17906571	3.1174136	20	—	—
257209 2008 WW_{91}	17.3	X	161.60704	287.22440	90.07066	23.22411	0.1164907	0.37141385	1.9167434	20	3 3.0	20.2
257210 2008 XO_{22}	16.1	X	213.50758	95.31599	70.52121	9.80011	0.1030791	0.23471614	2.6027997	20	11 10.7	19.7
257211 2008 YY_{4}	16.0	X	53.08906	150.75512	75.22128	11.18527	0.1802998	0.21135999	2.7911780	20	8 9.4	19.8
257212 2008 YB_{5}	17.1	X	64.12963	330.95496	296.53104	1.14497	0.0217192	0.22721257	2.6597929	20	9 22.5	20.6
257213 2008 YM_{79}	17.3	X	87.63129	217.96295	144.59287	6.69911	0.1361988	0.25440076	2.4667423	20	—	—
257214 2009 AF_{14}	15.3	X	256.63906	117.11891	126.59455	10.11101	0.0318843	0.17929444	3.1147617	20	1 13.6	19.7
257215 2009 AT_{22}	16.9	X	153.79401	196.58744	129.76474	5.00059	0.0799563	0.26307905	2.4121920	20	—	—
257216 2009 AY_{43}	16.3	X	98.62201	150.87313	168.67787	9.60198	0.0441330	0.23127170	2.6285791	20	—	—
257217 2009 AL_{48}	15.6	X	340.69892	325.08435	108.91665	26.09751	0.1026721	0.24173780	2.5521509	20	—	—
257218 2009 BK_{112}	17.3	X	358.88867	16.45225	191.00364	1.99037	0.1560104	0.26701858	2.3884073	20	3 19.7	19.4
257219 2009 BM_{178}	17.1	X	348.76268	124.31672	165.34406	7.68571	0.1336911	0.28224381	2.3017232	20	7 11.9	19.1
257220 2009 BB_{179}	17.8	X	146.47906	293.46023	295.56768	0.90233	0.1333732	0.30827160	2.1702697	20	11 28.3	20.7
257221 2009 CX_{26}	18.1	X	48.23572	238.25125	41.80678	2.82416	0.1328330	0.30213127	2.1995758	20	10 19.6	20.5
257222 2009 CG_{58}	17.7	X	94.65495	46.33823	187.36365	4.43254	0.1131949	0.30092301	2.2054596	20	10 9.8	20.5
257223 2009 CB_{62}	17.1	X	68.48300	26.52219	171.62601	2.19285	0.1327551	0.27675413	2.3320613	20	7 16.9	19.9
257224 2009 DZ_{6}	16.0	X	22.99145	246.32335	353.93068	24.61210	0.1579435	0.27941274	2.3172448	20	7 18.6	18.9
257225 2009 DY_{11}	15.3	X	292.69455	87.06266	160.28053	25.04643	0.2739465	0.17134935	3.2103157	20	1 28.4	20.5
257226 2009 DW_{31}	16.5	X	230.44283	178.53203	148.43102	6.01112	0.1761191	0.26466196	2.4025644	20	3 8.4	20.3
257227 2009 DU_{35}	14.9	X	305.79454	324.21161	6.93061	23.10012	0.2450220	0.19296036	2.9659055	20	5 23.1	19.0
257228 2009 DP_{50}	17.6	X	329.94295	108.55586	181.80589	2.68456	0.1447578	0.27894504	2.3198343	20	6 1.8	19.5
257229 2009 DS_{61}	16.0	X	174.38808	182.36163	153.24459	11.46193	0.2757514	0.25510175	2.4622214	20	2 3.1	20.3
257230 2009 DR_{64}	17.0	X	302.75577	170.18026	123.80318	2.14161	0.1863778	0.27191264	2.3596619	20	4 12.9	19.6
257231 2009 DW_{71}	16.5	X	171.23012	284.31858	3.06668	13.49804	0.3178127	0.23322588	2.6138754	20	—	—
257232 2009 DJ_{75}	16.5	X	200.41830	254.83806	339.50048	6.53419	0.1707304	0.23527171	2.5987006	20	—	—
257233 2009 DV_{91}	16.7	X	161.15108	189.51456	145.19874	4.23089	0.1738781	0.25127959	2.4871267	20	1 16.3	20.5
257234 Güntherkurtze	17.4	X	347.07567	274.48125	3.04102	1.74097	0.2214390	0.27915060	2.3186953	20	6 13.7	18.6
257235 2009 DO_{124}	17.3	X	279.12994	210.26428	89.66606	2.40837	0.1833866	0.26887276	2.3774142	20	3 22.2	20.4
257236 2009 DF_{125}	17.2	X	275.57413	259.57021	13.29822	1.20455	0.1302123	0.26213028	2.4180091	20	2 18.3	20.6
257237 2009 DU_{125}	17.4	X	319.86187	86.33694	190.58377	3.34317	0.1724440	0.27246049	2.3564977	20	4 17.4	19.8
257238 2009 DN_{130}	17.6	X	311.60323	46.18645	225.32082	0.71718	0.1671303	0.26944083	2.3740714	20	3 27.2	20.2
257239 2009 ET_{4}	15.6	X	311.42130	62.16749	160.66620	13.69909	0.2009627	0.17089647	3.2159849	20	1 29.9	20.2
257240 2009 EJ_{12}	17.3	X	336.76557	99.78406	143.70039	5.52875	0.1849020	0.26926279	2.3751178	20	3 28.9	19.5
257241 2009 EM_{13}	16.6	X	222.70882	100.59693	288.85517	0.97291	0.0782666	0.20306078	2.8667205	20	5 26.7	20.8
257242 2009 ET_{14}	17.9	X	46.50262	267.70999	8.14154	5.17778	0.1668735	0.29727507	2.2234655	20	10 14.5	20.5
257243 2009 EU_{21}	17.6	X	162.74286	254.22343	175.00362	21.34842	0.0877003	0.37050957	1.9198609	20	5 12.0	20.3
257244 2009 EP_{26}	17.5	X	327.08183	49.69530	190.38260	2.87091	0.1853215	0.26444092	2.4039030	20	3 3.9	19.9
257245 2009 FW_{3}	17.5	X	15.13984	141.70384	87.65733	4.83966	0.1634043	0.27494185	2.3422980	20	6 1.9	19.1
257246 2009 FA_{4}	16.9	X	334.09290	234.40524	17.49036	11.68806	0.2354598	0.26940517	2.3742809	20	3 27.5	19.0
257247 2009 FS_{18}	16.3	X	199.63829	237.54127	1.63618	9.78001	0.1943332	0.23369754	2.6103573	20	—	—
257248 Chouchiehlun	17.2	X	352.06534	215.29647	24.03371	1.60021	0.1535015	0.27113291	2.3641837	20	4 25.0	19.1
257249 2009 FL_{20}	17.4	X	52.60708	244.05967	87.57408	4.85796	0.2118227	0.31031018	2.1607542	20	—	—
257250 2009 FF_{22}	16.9	X	2.94852	321.31246	32.12956	7.05036	0.0896592	0.30170547	2.2016448	20	11 18.3	19.0
257251 2009 FG_{25}	16.1	X	91.46547	243.22550	90.72892	10.55104	0.2237341	0.22641095	2.6660672	20	—	—
257252 2009 FK_{26}	17.7	X	340.48567	220.19383	60.62112	2.88981	0.1551200	0.27979454	2.3151363	20	6 7.3	19.5
257253 2009 FH_{30}	17.0	X	245.18617	356.42317	20.50374	21.74154	0.0525877	0.36963836	1.9228763	20	6 4.8	19.5
257254 2009 FC_{31}	16.0	X	188.13796	279.34019	7.93644	14.97104	0.0811155	0.24409477	2.5356953	20	—	—
257255 2009 FB_{39}	17.5	X	15.64861	285.20688	12.62539	6.19452	0.1375445	0.29370008	2.2414721	20	9 24.6	19.6
257256 2009 FA_{43}	16.9	X	303.83429	14.10695	231.41910	5.59111	0.1883684	0.25803038	2.4435552	20	2 6.2	20.3
257257 2009 FB_{43}	16.1	X	199.29435	0.02703	255.89425	4.16330	0.1443676	0.23570530	2.5955127	20	—	—
257258 2009 FP_{45}	17.3	X	42.65778	47.09649	188.84822	5.56932	0.1251567	0.28508072	2.2864278	20	7 31.3	19.7
257259 2009 FU_{45}	17.5	X	17.80254	79.06109	164.99909	3.80934	0.1441508	0.27911722	2.3188801	20	6 30.5	19.4
257260 2009 FK_{46}	17.0	X	73.73920	216.32025	70.43317	4.53791	0.1832436	0.29881495	2.2158201	20	12 1.9	20.2
257261 Ovechkin	17.4	X	319.22942	344.22854	280.76167	2.17793	0.1424830	0.26908772	2.3761479	20	4 2.1	19.8
257262 2009 FC_{49}	17.3	X	353.10138	155.66366	133.22524	4.30807	0.1845157	0.28149614	2.3057971	20	7 23.4	18.7
257263 2009 FF_{58}	17.1	X	356.35498	355.92258	216.71645	6.48922	0.1031593	0.26627837	2.3928316	20	3 25.7	19.5
257264 2009 FG_{58}	17.5	X	18.92016	256.30058	4.22698	4.81308	0.1166014	0.28092209	2.3089372	20	7 28.8	19.7
257265 2009 FY_{58}	17.5	X	341.57483	111.00532	198.99077	2.25475	0.1854624	0.28517460	2.2859259	20	7 30.9	18.8
257266 2009 FZ_{74}	16.0	X	151.39727	345.55437	257.63466	10.87303	0.1383385	0.22337439	2.6901746	20	12 5.5	20.4
257267 2009 FY_{75}	16.8	X	210.30443	247.28692	43.48762	4.84688	0.1142614	0.24619230	2.5212722	20	1 8.3	20.7
257268 2009 FC_{76}	16.1	X	52.67989	129.28052	183.71990	8.92730	0.1515188	0.20990504	2.8040611	20	11 23.1	20.1
257269 2009 FP_{76}	18.0	X	111.93638	66.17091	172.89657	6.02565	0.1029161	0.29996538	2.2101511	20	11 5.9	21.1
257270 2009 GW_{2}	17.0	X	188.88339	211.04041	255.34842	19.49455	0.0866172	0.37708924	1.8974629	20	7 30.2	19.6
257271 2009 GV_{5}	17.3	X	174.02601	129.36990	179.88836	6.78327	0.1487378	0.24086789	2.5582920	20	—	—
257272 2009 HH	16.3	X	258.80325	247.86549	19.17432	6.70538	0.1140500	0.25376629	2.4708522	20	1 28.3	20.0
257273 2009 HC_{1}	17.1	X	98.78187	186.35389	40.00622	5.93188	0.1555070	0.29329628	2.2435289	20	10 8.2	20.2
257274 2009 HF_{1}	17.0	X	338.40808	187.46972	57.64573	3.73568	0.1507239	0.26755190	2.3852323	20	4 8.3	19.3
257275 2009 HA_{2}	17.0	X	15.00847	212.82534	134.09546	6.64665	0.0868119	0.30025211	2.2087438	20	11 29.6	19.5
257276 2009 HG_{2}	17.3	X	185.30551	14.70316	164.33042	4.62955	0.0630963	0.30549717	2.1833897	20	11 12.5	20.0
257277 2009 HX_{4}	17.0	X	351.88816	237.40460	52.04056	6.03647	0.1355812	0.28226927	2.3015848	20	7 21.7	18.9
257278 2009 HJ_{5}	17.1	X	343.77903	180.29772	59.60641	4.53051	0.1690056	0.26903679	2.3764477	20	4 8.8	19.2
257279 2009 HY_{7}	16.9	X	313.06804	267.78166	81.30642	7.55198	0.1839188	0.28371301	2.2937700	20	7 30.6	18.7
257280 2009 HE_{8}	17.0	X	292.10968	285.14584	92.63741	6.78135	0.1702782	0.28784379	2.2717723	20	8 5.6	19.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
257281 2009 HN_{19}	16.0	X	202.13435	91.02535	187.10013	10.63926	0.1546434	0.23660468	2.5889311	20	—	—
257282 2009 HT_{19}	17.3	X	344.78446	78.18596	191.10799	4.23684	0.2051894	0.27251449	2.3561864	20	5 25.1	18.9
257283 2009 HH_{20}	17.0	X	68.54498	73.38712	202.13464	6.90163	0.2692872	0.20445058	2.8537143	20	11 7.0	21.4
257284 2009 HK_{20}	17.3	X	65.67130	224.61639	35.98782	7.05003	0.1536404	0.29170358	2.2516880	20	10 16.5	20.3
257285 2009 HV_{21}	17.0	X	301.85070	219.14540	19.09339	11.06755	0.2075854	0.25717847	2.4489484	20	1 29.3	20.6
257286 2009 HU_{27}	17.7	X	58.33027	262.14972	32.35484	4.30715	0.1129561	0.29792517	2.2202297	20	11 16.8	20.6
257287 2009 HT_{28}	17.6	X	122.45028	38.03189	235.39313	4.30968	0.1272512	0.30783708	2.1723114	20	12 31.2	20.7
257288 2009 HJ_{32}	16.8	X	169.47465	249.01648	78.92723	6.45109	0.2764149	0.23977902	2.5660312	20	1 24.9	21.2
257289 2009 HJ_{37}	16.1	X	141.11205	92.52403	210.28549	12.09796	0.1806142	0.22839583	2.6505984	20	—	—
257290 2009 HS_{41}	16.9	X	310.36159	260.49254	62.72092	7.64425	0.1322005	0.27734211	2.3287641	20	6 16.9	19.2
257291 2009 HQ_{42}	15.4	X	287.42582	82.86910	205.85934	25.48490	0.2329735	0.17171302	3.2057813	20	3 14.0	20.4
257292 2009 HK_{45}	16.7	X	214.80444	324.95628	254.01373	2.96757	0.2346262	0.23235299	2.6204178	20	12 29.4	20.5
257293 2009 HC_{50}	16.7	X	211.85821	209.12691	145.26242	6.15993	0.2170666	0.26513451	2.3997088	20	3 25.8	20.7
257294 2009 HQ_{53}	17.2	X	302.81916	205.65773	89.52230	4.59892	0.0907463	0.26999455	2.3708244	20	5 1.7	19.9
257295 2009 HN_{55}	17.6	X	340.05452	254.85779	2.37945	2.38138	0.1549340	0.26917539	2.3756319	20	4 27.6	19.7
257296 Jessicaamy	16.3	X	249.58425	59.20849	145.02449	13.82054	0.1169170	0.23808770	2.5781691	20	—	—
257297 2009 HY_{58}	16.8	X	28.88862	205.86823	94.84435	7.31461	0.1501456	0.29261543	2.2470077	20	10 25.8	19.4
257298 2009 HA_{59}	16.9	X	227.84307	334.98415	47.95880	22.97111	0.0658712	0.36495903	1.9392776	20	5 20.6	19.1
257299 2009 HB_{60}	17.5	X	352.69340	207.33187	48.34544	1.37364	0.1778632	0.27149782	2.3620649	20	5 22.6	19.0
257300 2009 HE_{61}	17.6	X	304.04603	207.94951	50.68266	2.21943	0.1576062	0.26073951	2.4265998	20	3 2.5	20.5
257301 2009 HT_{61}	17.2	X	262.00582	295.52360	43.83447	7.37317	0.1482955	0.26955037	2.3734282	20	4 27.6	20.5
257302 2009 HX_{61}	17.3	X	354.70145	197.71121	49.98134	4.53500	0.0587441	0.27264078	2.3554587	20	5 18.5	19.8
257303 2009 HS_{65}	17.4	X	115.40343	281.56612	213.09042	19.36045	0.1203163	0.36496774	1.9392467	20	6 16.9	20.0
257304 2009 HT_{68}	16.5	X	155.72527	294.15166	12.00971	12.61053	0.2969668	0.23563480	2.5960303	20	—	—
257305 2009 HS_{69}	17.2	X	179.03994	300.00888	62.92569	3.21501	0.1823387	0.25464506	2.4651643	20	3 9.1	21.2
257306 2009 HZ_{72}	15.9	X	170.07235	260.95537	48.79983	29.81391	0.1685362	0.24267375	2.5455845	20	—	—
257307 2009 HK_{75}	17.3	X	274.49624	157.49391	101.00058	3.72695	0.1709371	0.25353056	2.4723835	20	1 26.7	20.9
257308 2009 HM_{77}	17.4	X	339.34534	261.33456	322.86231	1.86037	0.1564732	0.26310294	2.4120459	20	3 7.2	19.8
257309 2009 HU_{83}	16.3	X	214.24028	179.44965	86.49324	6.67841	0.1478165	0.23813211	2.5778486	20	—	—
257310 2009 HU_{85}	16.9	X	193.22112	110.01054	197.41918	12.85868	0.2632056	0.24109141	2.5567105	20	1 14.3	21.7
257311 2009 HM_{88}	17.3	X	34.68358	169.32357	45.00747	5.90626	0.1698902	0.27347670	2.3506565	20	6 20.4	19.4
257312 2009 HT_{88}	17.4	X	290.42090	331.76515	278.36657	1.78242	0.1471028	0.25582553	2.4575751	20	2 4.0	20.7
257313 2009 HW_{88}	16.8	X	83.55781	213.28914	61.60829	7.62815	0.1262900	0.30009378	2.2095206	20	11 22.2	19.8
257314 2009 HY_{88}	16.8	X	309.30300	6.34830	229.23052	5.79806	0.0885081	0.25465060	2.4651286	20	2 15.4	20.0
257315 2009 HU_{89}	15.6	X	317.85579	214.88694	115.01752	11.60624	0.2896655	0.18376699	3.0640161	20	6 14.1	19.0
257316 2009 HJ_{90}	17.1	X	0.28237	28.49219	217.08843	10.26789	0.1205963	0.27268816	2.3551859	20	5 25.6	19.2
257317 2009 HS_{90}	16.8	X	223.25134	263.71392	2.91192	3.24314	0.1521289	0.24238709	2.5475911	20	—	—
257318 2009 HD_{92}	16.9	X	347.99804	310.63509	58.50223	9.14128	0.1393829	0.29600605	2.2298158	20	11 23.0	18.8
257319 2009 HN_{92}	17.0	X	292.94771	31.54460	168.87011	2.65367	0.1456501	0.24583001	2.5237488	20	—	—
257320 2009 HE_{94}	16.8	X	334.76416	176.11580	136.33978	7.33931	0.1249334	0.27922510	2.3182828	20	7 20.1	18.7
257321 2009 HF_{94}	17.3	X	300.32654	116.77061	148.48099	5.68958	0.1739032	0.25966128	2.4333127	20	3 3.6	20.2
257322 2009 HK_{97}	16.1	X	105.69148	161.62141	183.89435	13.79632	0.1748648	0.22942060	2.6426994	20	—	—
257323 2009 HC_{98}	16.7	X	351.73014	124.61073	151.61888	4.95681	0.2290701	0.18325488	3.0697218	20	6 19.9	19.7
257324 2009 HS_{98}	17.0	X	348.30106	37.00271	200.94491	4.99695	0.1013761	0.26750754	2.3854960	20	4 20.6	19.5
257325 2009 HN_{99}	17.0	X	171.61799	176.94152	211.70822	6.26014	0.1244904	0.25884525	2.4384242	20	3 28.7	20.7
257326 2009 HA_{101}	15.8	X	220.08743	183.09943	199.58069	8.81974	0.0817371	0.18034566	3.1026462	20	5 16.5	20.5
257327 2009 HE_{101}	16.9	X	305.90213	235.50629	45.54588	7.04450	0.0957840	0.26630607	2.3926656	20	4 15.2	19.6
257328 2009 HF_{101}	16.8	X	189.64729	344.03858	78.97130	7.21814	0.0677723	0.27348537	2.3506068	20	6 2.6	19.9
257329 2009 HK_{102}	17.8	X	90.96466	32.26845	167.80130	2.41057	0.1427737	0.28374723	2.2935857	20	8 20.5	20.7
257330 2009 HD_{103}	16.6	X	134.20539	152.99991	163.66727	12.07509	0.1146213	0.22895242	2.6463009	20	—	—
257331 2009 HN_{103}	17.8	X	120.52022	112.27469	101.28891	2.94690	0.0824325	0.29358134	2.2420765	20	10 10.3	20.7
257332 2009 HD_{105}	16.6	X	168.12712	248.70062	95.07473	15.86006	0.1602190	0.24360084	2.5391217	20	2 5.6	20.7
257333 2009 HY_{105}	15.6	X	158.65814	26.23980	243.06553	12.45266	0.1625706	0.22550447	2.6732072	20	—	—
257334 2009 JM	16.0	X	175.28678	187.51892	70.86475	7.79618	0.1752935	0.22650781	2.6653071	20	—	—
257335 2009 JZ	16.6	X	207.59215	129.17710	160.62450	4.82466	0.1762977	0.23927143	2.5696590	20	1 5.3	20.8
257336 Noeliasanchez	15.0	X	321.02856	210.32965	68.14484	29.26702	0.1731349	0.17626976	3.1502922	20	5 7.1	19.1
257337 2009 JG_{9}	15.5	X	294.66690	113.79655	171.43432	16.19199	0.1519253	0.17538520	3.1608757	20	4 3.7	19.9
257338 2009 JO_{10}	16.7	X	176.20885	55.60481	167.60332	1.92084	0.0871525	0.22494398	2.6776458	20	12 8.9	20.5
257339 2009 JZ_{12}	17.2	X	15.19372	228.12465	75.03855	6.33919	0.1434340	0.28605079	2.2812556	20	10 4.5	19.5
257340 2009 JC_{13}	17.0	X	156.99218	179.09372	82.32680	3.09743	0.1978682	0.22323740	2.6912750	20	12 29.9	21.4
257341 2009 JE_{16}	16.2	X	333.67466	130.98479	145.58922	6.14901	0.1075494	0.17917456	3.1161509	20	5 24.9	20.1
257342 2009 JG_{16}	16.6	X	62.46863	194.26563	149.19474	3.78834	0.0932970	0.21997446	2.7178233	20	—	—
257343 2009 JA_{17}	17.1	X	174.52569	279.66144	194.13253	6.27057	0.0516699	0.28048152	2.3113544	20	7 24.0	20.2
257344 2009 JG_{17}	15.9	X	215.18188	261.44057	344.26999	14.10252	0.1788836	0.23406706	2.6076093	20	—	—
257345 2009 KR_{1}	17.1	X	87.71002	182.57445	86.66716	5.20731	0.1495883	0.29672905	2.2261923	20	11 21.1	20.2
257346 2009 KA_{3}	17.1	X	4.28413	137.46906	78.50537	3.87661	0.1558309	0.26509041	2.3999749	20	4 16.7	19.1
257347 2009 KC_{4}	17.2	X	17.50857	235.92753	69.74659	7.39723	0.1265858	0.28644208	2.2791776	20	10 9.8	19.6
257348 2009 KN_{7}	17.1	X	339.39929	196.03434	80.91048	6.25106	0.2154969	0.26899451	2.3766968	20	5 23.2	18.6
257349 2009 KD_{8}	16.2	X	180.33745	263.83504	37.73803	8.25674	0.2303311	0.23386773	2.6090907	20	—	—
257350 2009 KF_{8}	17.0	X	337.99191	218.71702	38.80831	5.67412	0.1877501	0.26559174	2.3969538	20	4 20.8	19.2
257351 2009 KU_{14}	16.4	X	258.59572	139.62680	82.07287	6.51709	0.2198321	0.23990704	2.5651182	20	—	—
257352 2009 KG_{15}	15.7	X	3.65737	205.31995	112.04312	4.08007	0.2669059	0.19064954	2.9898234	20	9 27.2	18.5
257353 2009 KL_{15}	16.6	X	112.10474	15.01855	123.57865	7.59138	0.0350683	0.27089686	2.3655569	20	6 7.8	19.7
257354 2009 KT_{18}	16.0	X	217.07628	23.69563	235.65213	4.80718	0.1449846	0.23548689	2.5971173	20	—	—
257355 2009 KT_{22}	16.6	X	166.12940	117.01436	203.08202	7.59481	0.2151806	0.23728882	2.5839526	20	1 7.5	20.9
257356 2009 KD_{23}	16.1	X	50.09929	185.65776	107.02046	9.70169	0.2094812	0.20085276	2.8876919	20	11 3.7	20.3
257357 2009 KQ_{30}	17.2	X	155.01207	39.99197	249.21864	1.41635	0.1214122	0.22799858	2.6536764	20	—	—
257358 2009 LT	17.0	X	154.25126	137.92756	109.25370	3.46625	0.1055364	0.30781055	2.1724363	20	12 31.9	19.9
257359 2009 LY_{4}	16.0	X	101.98316	237.84176	103.33950	13.54905	0.1763409	0.22394086	2.6856360	20	—	—
257360 2009 MA_{1}	15.0	X	311.94847	61.10920	226.01664	16.35242	0.0857299	0.17349767	3.1837597	20	5 7.0	19.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
257361 2009 ME_7	16.7	X	306.16241	73.47234	272.28719	5.46357	0.1658862	0.26635198	2.3923906	20	7 8.9	19.1
257362 2009 MR_8	16.4	X	256.30754	43.23973	169.22510	5.03266	0.1438597	0.23577258	2.5950189	20	—	—
257363 2009 NC_2	14.8	X	310.94012	10.38809	270.07574	11.45471	0.0647948	0.15862482	3.3797814	20	4 27.3	19.6
257364 2009 OH	15.5	X	19.35821	307.82531	317.23087	9.30387	0.3013785	0.18055304	3.1002699	20	8 17.3	18.6
257365 2009 OZ	16.6	X	15.55132	333.45048	257.88144	4.34811	0.1945763	0.26298079	2.4127928	20	6 8.6	18.4
257366 2009 OJ_4	15.0	X	246.31366	305.17342	143.56746	17.19938	0.1004121	0.18111190	3.0938890	20	9 5.3	19.5
257367 2009 OD_{19}	16.2	X	21.69196	16.06439	287.47708	1.19009	0.1360602	0.18335958	3.0685531	20	9 19.9	19.9
257368 2009 OO_{21}	15.5	X	219.12981	323.54099	149.46046	9.56997	0.1501151	0.18105569	3.0945292	20	8 29.3	20.1
257369 2009 OF_{24}	15.2	X	233.91602	85.22901	329.97717	8.99126	0.0302186	0.17207290	3.2013100	20	7 18.2	19.9
257370 2009 OR_{24}	15.0	X	66.90927	98.28556	151.53602	16.39823	0.0485563	0.17783117	3.1318248	20	9 1.8	19.3
257371 Miguelbello	15.4	X	52.68777	352.65976	280.98939	8.05197	0.0756901	0.18313569	3.0710536	20	9 13.2	19.8
257372 2009 PY_9	15.6	X	241.69927	326.93063	133.92037	10.22757	0.0463301	0.18363398	3.0654955	20	9 24.2	20.0
257373 2009 PQ_{20}	14.8	X	0.28576	274.70856	1.81920	18.13846	0.1517500	0.17184406	3.2041515	20	7 12.7	18.9
257374 2009 QA_{13}	15.2	X	123.67495	179.56485	242.75882	2.43607	0.0489327	0.14078935	3.6595093	20	3 20.5	20.6
257375 2009 QZ_{47}	12.9	X	297.60185	235.56991	168.89269	13.26753	0.0986251	0.08359068	5.1804102	20	9 1.7	19.5
257376 2009 QW_{57}	13.6	X	194.01427	278.82023	217.36579	5.18423	0.0499679	0.08326438	5.1939355	20	8 26.9	20.8
257377 2009 RG_5	15.7	X	339.89506	254.13905	65.91835	5.93706	0.1289334	0.17391555	3.1786578	20	8 1.4	19.5
257378 2009 RN_9	14.9	X	152.56555	9.67801	337.10996	1.61467	0.0649458	0.12511176	3.9591683	20	1 29.8	20.7
257379 2009 RP_{55}	15.8	X	266.65671	338.44272	140.07836	3.04120	0.0506153	0.18354043	3.0665370	20	11 13.5	20.0
257380 2009 SO_{10}	13.5	X	274.54050	356.90295	68.27588	3.89336	0.0417890	0.08150253	5.2685202	20	9 7.2	20.4
257381 2009 SK_{38}	13.9	X	224.25026	245.55332	251.06143	2.56073	0.0909878	0.08306128	5.2023987	20	9 24.5	21.1
257382 2009 SR_{49}	15.6	X	220.76518	280.59581	177.77920	12.96480	0.0625292	0.17821948	3.1272740	20	8 18.9	20.4
257383 2009 SO_{52}	13.4	X	277.66622	25.09089	50.56779	4.65700	0.0740183	0.08427582	5.1522951	20	9 18.9	20.1
257384 2009 SO_{60}	13.7	X	341.03927	119.18810	245.35572	6.99225	0.0547719	0.08329959	5.1924718	20	9 13.0	20.4
257385 2009 ST_{121}	13.4	X	261.70157	241.12267	212.38177	7.04212	0.0567335	0.08537214	5.1080908	20	9 19.5	20.2
257386 2009 SN_{122}	13.2	X	258.77275	245.47775	209.26463	8.77216	0.1650305	0.08159841	5.2643926	20	9 2.9	20.4
257387 2009 SO_{137}	13.8	X	148.34244	4.16965	206.68633	6.56088	0.0099496	0.08471424	5.1345032	20	10 2.5	20.7
257388 2009 SD_{154}	13.8	X	244.56095	84.99143	18.49547	4.17665	0.0689606	0.08373896	5.1742927	20	9 13.0	20.7
257389 2009 SY_{155}	13.4	X	235.61576	100.35742	21.26737	4.83742	0.0420089	0.08569438	5.0952774	20	9 26.8	20.3
257390 2009 SM_{189}	13.9	X	316.81102	69.07213	318.51524	6.26801	0.1035334	0.08498272	5.1236835	20	9 6.3	20.4
257391 2009 SD_{200}	15.2	X	52.66626	322.75701	357.71062	8.37107	0.0316047	0.18449788	3.0559187	20	11 6.1	19.6
257392 2009 ST_{203}	13.3	X	252.37694	204.80539	259.22006	3.44385	0.0401866	0.08317435	5.1976827	20	9 22.8	20.2
257393 2009 SZ_{211}	13.6	X	240.60890	274.51499	210.87235	4.60596	0.0733808	0.08518441	5.1155927	20	10 1.1	20.5
257394 2009 SV_{215}	13.8	X	303.20673	231.10718	172.11680	3.10774	0.0647035	0.08547487	5.1039970	20	9 12.1	20.3
257395 2009 SW_{216}	12.9	X	238.30208	95.82341	12.42825	16.36354	0.1393633	0.08248377	5.2266534	20	9 8.3	20.2
257396 2009 SF_{220}	16.1	X	232.59698	184.58081	83.15773	4.79202	0.0063515	0.21877512	2.7277470	20	1 10.4	19.9
257397 2009 SL_{229}	13.3	X	263.72794	283.11913	143.65257	4.69288	0.0825438	0.08175350	5.2577324	20	8 20.7	20.2
257398 2009 SY_{246}	13.7	X	251.91923	215.35685	239.24183	7.72937	0.0756987	0.08199760	5.2472928	20	9 5.6	20.8
257399 2009 SX_{253}	13.0	X	178.30207	126.60398	44.95818	16.82967	0.0839625	0.08034396	5.3190477	20	9 27.8	20.5
257400 2009 SK_{264}	13.0	X	306.80498	269.86429	120.81592	5.50868	0.0242502	0.08250406	5.2257966	20	9 7.6	19.9
257401 2009 SM_{264}	12.9	X	273.03510	59.22706	26.19183	27.68549	0.1704549	0.08332412	5.1914527	20	9 21.9	19.9
257402 2009 SG_{297}	12.5	X	298.39028	155.56647	248.14930	14.94764	0.0616829	0.08120448	5.2814041	20	8 30.9	19.5
257403 2009 SO_{299}	15.0	X	214.93832	283.48729	121.00895	10.85809	0.1054485	0.14755587	3.5467593	20	6 5.8	20.5
257404 2009 SF_{315}	13.0	X	280.87484	135.03214	287.65031	6.97632	0.0666566	0.08275797	5.2151022	20	9 3.8	19.9
257405 2009 SG_{330}	12.3	X	247.89424	236.60256	232.77286	20.77342	0.1313568	0.08361334	5.1794740	20	9 7.9	19.7
257406 2009 ST_{334}	13.1	X	318.32871	152.23897	234.76893	4.75471	0.0627750	0.08476497	5.1324545	20	9 10.6	19.7
257407 2009 SO_{356}	13.6	X	219.30538	18.30861	116.76587	4.69204	0.1253055	0.08135183	5.2750248	20	9 18.0	20.9
257408 2009 SH_{358}	15.3	X	347.78768	307.02169	106.34778	9.90217	0.1182616	0.18948053	3.0021080	20	12 18.2	18.9
257409 2009 SB_{360}	13.0	X	308.67552	138.20441	271.58308	7.24257	0.1261645	0.08382226	5.1708644	20	9 16.1	19.6
257410 2009 TP_{15}	15.2	X	50.28022	234.87411	85.96535	7.66670	0.0261762	0.18202326	3.0835533	20	11 7.4	19.5
257411 2009 TM_{18}	12.7	X	281.00750	168.43416	252.46206	8.60599	0.0807369	0.08169763	5.2601294	20	8 30.0	19.6
257412 2009 UY_2	12.6	X	294.11211	266.44977	157.72336	13.05423	0.1503187	0.08354814	5.1821684	20	9 14.9	19.2
257413 2009 UB_{61}	12.9	X	263.43441	43.01571	51.11348	10.56388	0.0673772	0.08532159	5.1101080	20	9 26.9	19.8
257414 2009 UE_{71}	17.3	X	121.25462	219.79695	70.98169	3.76220	0.1055063	0.28590708	2.2820200	20	—	—
257415 2009 UP_{118}	14.1	X	213.30158	312.81883	180.53611	1.82787	0.0432289	0.08242602	5.2290945	20	9 14.8	21.2
257416 2009 UV_{147}	13.0	X	251.22976	52.98294	41.82852	21.95618	0.0586248	0.08189900	5.2515033	20	9 21.5	20.2
257417 2009 WT	15.6	X	180.37577	148.01811	79.62247	8.62625	0.0720624	0.19016839	2.9948644	20	12 12.3	20.1
257418 2009 WD_2	13.4	X	271.15921	354.89975	87.36684	3.25016	0.0686951	0.08269531	5.2177365	20	9 18.9	20.2
257419 2009 YE_{19}	16.4	X	65.73176	113.49827	62.91972	5.99744	0.0952459	0.22022165	2.7157891	20	6 3.6	19.8
257420 2009 YT_{24}	15.8	X	26.48027	151.62356	280.98330	8.45713	0.0632041	0.18354294	3.0665091	20	—	—
257421 2010 BR_{11}	15.9	X	79.36887	234.60319	208.82144	5.22315	0.1052558	0.18727605	3.0256212	20	2 23.7	19.9
257422 2010 FR_{47}	16.1	X	334.53837	121.59722	182.41319	7.48457	0.2198487	0.21084107	2.7957559	20	6 22.7	18.8
257423 2010 FM_{48}	17.1	X	232.00076	84.99047	167.00270	1.27764	0.1493627	0.26907956	2.3761959	20	—	—
257424 2010 HX_{90}	16.5	X	14.77098	274.75310	15.58331	2.52593	0.1214754	0.20014227	2.8945218	20	8 24.3	19.9
257425 2010 JD_{24}	15.4	X	247.13170	155.56951	168.68313	18.60523	0.0475920	0.17268425	3.1937499	20	4 10.2	20.2
257426 2010 KB_{99}	16.9	X	208.82249	161.68930	180.82699	2.94206	0.1826982	0.26070879	2.4267904	20	3 7.4	20.8
257427 2010 KX_{104}	16.3	X	342.68443	176.99924	194.97704	8.02788	0.2174808	0.20255917	2.8714512	20	10 25.9	19.0
257428 2010 LH_{38}	16.5	X	337.11690	215.06052	96.87299	2.59684	0.2564835	0.18993617	2.9973049	20	7 6.4	19.1
257429 2010 LA_{46}	16.4	X	50.20599	300.16008	8.71009	7.59887	0.2185946	0.20950564	2.8076237	20	11 20.7	20.5
257430 2010 LC_{95}	15.7	X	251.36133	31.16609	348.19103	14.27845	0.2878814	0.17585018	3.1553013	20	5 19.4	21.2
257431 2010 LT_{131}	15.3	X	137.68088	349.76320	160.89582	20.25568	0.1028608	0.18385251	3.0630659	20	7 25.9	20.3
257432 2010 MX_{112}	16.0	X	152.62443	227.47136	120.25537	7.04880	0.1844455	0.25100791	2.4889210	20	1 25.5	19.7
257433 2010 NX_5	15.5	X	322.83311	28.45977	285.13685	6.06609	0.1016715	0.19079736	2.9882790	20	6 25.9	19.2
257434 2010 ND_6	17.2	X	297.30026	325.44815	282.99093	3.14021	0.2345829	0.27316006	2.3524727	20	1 27.1	20.5
257435 2010 NG_{35}	16.5	X	104.14871	73.89342	220.09583	10.03424	0.1551714	0.21612945	2.7499624	20	12 21.6	21.0
257436 2010 NO_{42}	15.6	X	315.47073	186.89300	146.80635	4.70064	0.3089569	0.18466139	3.0541145	20	6 10.7	18.9
257437 2010 NW_{68}	17.0	X	191.92819	151.79017	170.09433	10.34737	0.1160239	0.24533294	2.5271565	20	1 26.2	21.0
257438 2010 OH_{98}	16.0	X	126.13829	191.51244	188.68709	14.40061	0.1519305	0.23783815	2.5799723	20	2 1.7	19.9
257439 Peppeprosperini	16.5	X	105.04405	167.41220	172.71292	8.24663	0.1291350	0.22972722	2.6403474	20	—	—
257440 2010 PF_{65}	16.0	X	265.60037	338.35816	340.30446	2.71039	0.1346146	0.17040113	3.2222142	20	4 10.2	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
257441 2010 QZ_3	17.0	X	138.54479	171.88702	125.77159	4.35122	0.0575694	0.22859865	2.6490304	20	—	—
257442 2010 RH_{71}	17.9	X	42.70517	102.45316	180.38507	5.46764	0.1861034	0.30284063	2.1961397	20	10 25.4	20.5
257443 2641 $P–L$	17.5	X	254.43502	44.77246	1.38316	2.29501	0.1978383	0.27688781	2.3313107	20	7 13.5	20.5
257444 4188 $P–L$	16.1	X	213.14472	289.52827	352.71022	12.45921	0.1787640	0.23791678	2.5794038	20	1 3.4	20.6
257445 6010 $P–L$	17.5	X	259.38424	339.32008	335.58648	3.83040	0.2050851	0.27481814	2.3430009	20	3 15.7	21.0
257446 6251 $P–L$	17.6	X	304.16714	359.26308	338.31616	1.65334	0.2392542	0.27751452	2.3277995	20	6 8.9	19.9
257447 1037 $T–2$	17.5	X	235.66755	135.53970	227.45365	1.47005	0.2229198	0.26738963	2.3861973	20	4 23.4	21.2
257448 2236 $T–2$	16.9	X	125.06443	27.82757	356.12941	3.38369	0.2937594	0.24051322	2.5608064	20	2 25.2	20.8
257449 4219 $T–2$	16.9	X	118.14904	261.46386	153.26985	5.69703	0.2354495	0.24105617	2.5569597	20	3 21.7	20.7
257450 2005 $T–3$	17.7	X	347.68020	131.60188	231.62535	5.73111	0.2046732	0.29908100	2.2145059	20	11 25.1	19.4
257451 2138 $T–3$	17.5	X	350.70643	141.37376	219.43684	5.60977	0.2004302	0.29924186	2.2137122	20	11 27.0	19.1
257452 2408 $T–3$	16.2	X	7.58043	42.82424	15.69668	14.32660	0.1491476	0.21039151	2.7997370	20	—	—
257453 4003 $T–3$	15.8	X	265.25704	268.89689	147.30969	5.36855	0.1602916	0.17951918	3.1121617	20	8 7.4	20.3
257454 4154 $T–3$	17.2	X	257.20217	169.53590	177.22034	5.86826	0.2334504	0.26960208	2.3731247	20	4 23.2	20.7
257455 4311 $T–3$	15.3	X	250.06163	246.29937	188.47954	16.86132	0.1370379	0.17983369	3.1085321	20	8 12.8	20.1
257456 1981 DA_3	14.4	X	352.35544	253.58047	277.57565	7.45404	0.1441595	0.12445709	3.9730402	20	2 10.0	19.5
257457 1981 EG_{33}	17.0	X	129.95720	304.74372	198.90624	7.23180	0.1289108	0.28363913	2.2941684	20	7 15.5	20.4
257458 1981 EV_{36}	15.5	X	121.92244	306.85205	291.25905	8.16119	0.0673722	0.18845664	3.0129719	20	10 20.9	20.1
257459 1981 EA_{37}	16.4	X	5.16247	172.15138	343.65571	7.38102	0.0954107	0.25045921	2.4925548	20	1 26.3	19.1
257460 1981 ES_{37}	17.2	X	70.85295	311.83497	230.79216	3.85672	0.1559780	0.28160553	2.3051999	20	7 1.7	19.8
257461 1990 UT_2	17.5	X	2.15317	83.58731	276.73351	5.50316	0.2405983	0.29904921	2.2146628	20	12 23.3	19.7
257462 1992 UE_7	16.1	X	288.41404	26.52268	39.76895	0.67794	0.1615222	0.17486733	3.1671133	20	9 21.1	20.0
257463 1992 WW_6	16.3	X	140.13822	247.49771	104.07980	9.58150	0.2594356	0.22386417	2.6862494	20	1 29.5	20.7
257464 1993 FC_{26}	16.9	X	148.72198	223.69870	322.92427	2.04773	0.1616850	0.26899307	2.3767052	20	9 30.1	20.5
257465 1993 OE_6	15.8	X	179.22580	235.80693	121.25838	7.51235	0.2166180	0.24251803	2.5466741	20	3 4.7	20.1
257466 1993 TX_5	16.4	X	341.75135	232.35354	230.36511	5.98156	0.1460074	0.22647168	2.6655906	20	—	—
257467 1993 TU_{41}	16.8	X	162.91665	241.05441	115.89048	3.29171	0.1848152	0.23710268	2.5853048	20	2 17.3	20.9
257468 1994 CU_3	16.9	X	232.87979	212.48470	301.75044	7.07295	0.0519341	0.28797000	2.2711085	20	12 7.9	19.5
257469 1994 CG_7	16.7	X	82.64884	308.66231	348.19473	3.94249	0.0507767	0.21107357	2.7937025	20	11 22.8	20.7
257470 1994 RE_8	15.6	X	270.32938	9.77845	347.36497	10.21039	0.0784229	0.18189197	3.0850369	20	6 10.3	20.1
257471 1994 SA	19.4	X	223.97773	201.80941	52.67886	1.64020	0.0576523	0.43480883	1.7255881	20	—	—
257472 1994 SX_2	17.3	X	74.84722	270.92025	285.60564	1.27030	0.1400225	0.25934999	2.4352594	20	7 23.9	20.3
257473 1994 SC_4	16.6	X	204.38979	282.94764	178.77788	1.04348	0.2896653	0.18076776	3.0978144	20	7 24.3	22.0
257474 1994 WF_8	16.2	X	229.72056	340.72652	91.54438	13.23502	0.0319268	0.18001788	3.1064113	20	8 4.5	20.7
257475 1995 DP_5	15.8	X	167.83174	232.62481	300.96632	3.86897	0.0867514	0.17779999	3.1321909	20	9 21.7	20.6
257476 1995 FE_3	16.6	X	2.12889	38.74637	23.11041	5.85767	0.0653232	0.22380425	2.6867288	20	—	—
257477 1995 FG_3	16.9	X	223.82589	125.08127	116.48803	3.24861	0.1514283	0.22569245	2.6717226	20	—	—
257478 1995 HJ_3	17.7	X	157.22841	103.45784	92.66208	2.96094	0.1001787	0.29040585	2.2583910	20	10 27.3	20.9
257479 1995 MD_6	16.5	X	106.23973	115.70169	226.53372	5.49820	0.0546333	0.21310276	2.7759395	20	—	—
257480 1995 NR	15.3	X	155.77844	117.36722	83.27293	27.50950	0.2257234	0.17230274	3.1984625	20	10 27.0	21.2
257481 1995 OX_3	16.9	X	330.40556	177.28934	140.62487	3.35681	0.1785445	0.27416764	2.3467055	20	7 15.1	18.6
257482 1995 OW_{10}	16.7	X	52.64820	151.61378	259.70562	7.66400	0.2099710	0.21246890	2.7814578	20	—	—
257483 1995 OD_{11}	17.8	X	283.88200	61.32264	328.25625	5.21786	0.1313101	0.27492338	2.3424029	20	8 13.1	20.2
257484 1995 QW_{13}	17.4	X	295.85365	49.20817	205.16305	5.86183	0.0979939	0.26103016	2.4247981	20	2 20.8	20.7
257485 1995 SD_{23}	17.3	X	236.14164	45.11360	34.43090	4.87694	0.1654955	0.27170679	2.3608536	20	8 12.6	20.5
257486 1995 SC_{24}	13.9	X	352.01611	238.31661	153.12205	4.41705	0.0450534	0.08033611	5.3193944	20	10 30.7	20.6
257487 1995 SQ_{24}	16.6	X	332.23369	349.88184	61.21784	2.84107	0.0575041	0.20108123	2.8855041	20	11 21.5	20.2
257488 1995 SD_{27}	17.3	X	101.04847	85.16638	8.08280	1.15116	0.1489173	0.25772118	2.4455093	20	4 6.9	20.4
257489 1995 UY_{12}	16.9	X	358.99509	32.98452	5.34482	1.61742	0.0718009	0.20151908	2.8813229	20	12 14.4	20.6
257490 1995 UT_{17}	16.9	X	106.11571	71.95372	349.43665	4.97114	0.0613789	0.25691161	2.4506440	20	2 18.4	20.0
257491 1995 UK_{38}	17.5	X	219.00788	78.52568	16.73004	1.41202	0.1485434	0.27051776	2.3677664	20	8 14.4	20.8
257492 1995 UM_{54}	17.5	X	257.62609	303.92626	15.11306	5.37065	0.1514912	0.26243719	2.4161235	20	3 26.8	20.9
257493 1995 UY_{58}	17.1	X	44.27565	124.15241	122.17270	2.91363	0.1801382	0.26859448	2.3790560	20	8 29.0	19.6
257494 1995 UB_{66}	17.7	X	214.35121	123.31879	7.97963	1.42360	0.1268288	0.27453357	2.3446197	20	9 29.4	20.7
257495 1995 UE_{67}	13.5	X	25.14737	26.71714	344.33784	5.89338	0.0153011	0.08198747	5.2477251	20	11 11.4	20.4
257496 1995 VQ_9	17.6	X	124.41901	129.16682	301.50915	0.48702	0.1738975	0.25768982	2.4457077	20	4 7.9	21.1
257497 1995 VL_{13}	17.0	X	211.93399	248.64432	163.42822	3.42243	0.1179292	0.26542180	2.3979769	20	6 11.1	20.4
257498 1995 WO_{14}	17.6	X	254.57668	319.90609	20.75294	3.20275	0.1813360	0.26511589	2.3998211	20	4 16.6	21.1
257499 1995 WX_{22}	17.6	X	178.18640	92.45273	13.14552	1.59838	0.1349137	0.26666172	2.3905377	20	7 16.4	21.2
257500 1995 WL_{29}	17.0	X	178.05714	147.60836	275.50160	5.57265	0.0310914	0.26216127	2.4178185	20	5 18.2	20.3
257501 1995 YS_5	16.0	X	74.93210	111.55310	92.01594	3.81587	0.0452810	0.18466393	3.0540865	20	7 14.3	20.2
257502 1996 AQ_{10}	17.6	X	221.60653	181.59573	233.87474	1.31892	0.1749624	0.26167698	2.4208007	20	6 21.1	21.1
257503 1996 BQ_{11}	15.8	X	98.48755	300.80619	274.79175	8.74759	0.0910314	0.18130676	3.0916718	20	8 29.2	20.5
257504 1996 GZ_5	17.7	X	11.75200	200.17109	75.60754	3.91271	0.2110327	0.29335378	2.2432358	20	8 25.5	19.3
257505 1996 RH_{33}	13.0	X	335.15589	315.85162	66.67436	7.18528	0.0582483	0.08311730	5.2000609	20	10 2.1	19.6
257506 1996 SN_7	16.1	X	99.13973	48.41726	286.41232	10.20686	0.1961956	0.21607186	2.7504510	20	—	—
257507 1996 TG_{35}	17.3	X	233.05463	116.40346	274.15885	3.67247	0.1771230	0.27908739	2.3190453	20	5 30.4	20.8
257508 1996 VJ_{16}	16.5	X	12.66437	23.49884	53.62821	8.79137	0.2043513	0.21281534	2.7784383	20	—	—
257509 1996 VC_{18}	16.8	X	273.96792	259.87074	183.77497	1.79039	0.0362753	0.20307030	2.8666309	20	10 15.3	20.7
257510 1996 VD_{33}	17.7	X	357.10452	132.86233	158.50071	0.63612	0.0959436	0.28010112	2.3134466	20	7 31.9	19.7
257511 1996 XY_{35}	17.4	X	38.54858	121.53307	175.91153	6.73766	0.1348612	0.28517297	2.2859347	20	10 29.1	20.1
257512 1997 AS_{14}	16.6	X	280.92710	322.98784	111.97592	10.05957	0.1458179	0.28264289	2.2995561	20	10 21.6	19.0
257513 1997 AJ_{24}	17.7	X	139.20721	356.48187	138.88612	1.57350	0.1288742	0.27075551	2.3661471	20	7 15.2	21.1
257514 1997 CL_4	15.9	X	307.59939	234.36766	291.40821	7.88005	0.1009115	0.20935964	2.8089288	20	—	—
257515 Zapperudi	15.7	X	309.41299	58.90273	137.64072	12.07230	0.1506481	0.21080874	2.7960417	20	—	—
257516 1997 CO_{25}	17.0	X	221.28314	86.34973	48.66386	2.91670	0.0672533	0.19534198	2.9417493	20	10 8.8	21.1
257517 1997 EZ_{42}	17.1	X	172.24627	166.37592	311.83398	6.75987	0.1866358	0.27129516	2.3632410	20	7 26.6	20.9
257518 1997 GL_{25}	17.0	X	327.63446	312.95048	4.79728	2.28754	0.1529535	0.26531328	2.3986307	20	7 10.9	18.9
257519 1997 KV_3	16.0	X	231.91167	122.71527	115.07452	15.69189	0.0853188	0.24105764	2.5569493	20	—	—
257520 1997 ML	16.5	X	265.34295	219.38285	99.15822	7.11361	0.1149103	0.25334371	2.4735990	20	4 12.1	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
257521 1997 MX_5	16.4	X	238.66659	353.99182	225.74661	9.83883	0.1166450	0.23508214	2.6000974	20	—	—
257522 1997 RH_9	16.5	X	149.17323	332.66247	351.95767	13.62869	0.3247865	0.23151467	2.6267397	20	1 12.1	21.2
257523 1997 SH_{11}	16.4	X	159.83740	351.16148	26.23119	4.78392	0.2617766	0.23684472	2.5871816	20	3 15.3	20.8
257524 1997 SC_{13}	17.5	X	260.03785	137.85987	2.61678	1.90137	0.0130913	0.30970265	2.1635791	20	—	—
257525 1997 SJ_{14}	17.4	X	356.05963	192.73065	241.62078	4.04527	0.0317327	0.31048011	2.1599657	20	—	—
257526 1997 SM_{27}	16.7	X	327.89226	174.69102	356.87677	10.51209	0.0912950	0.23155224	2.6264555	20	—	—
257527 1997 TY_{23}	16.4	X	45.61357	117.48831	210.48452	8.48922	0.2066643	0.21816063	2.7328668	20	12 11.3	20.3
257528 1997 UY_{22}	18.0	X	273.90522	83.21446	347.33588	4.44355	0.1284335	0.29897404	2.2150340	20	10 1.2	20.0
257529 1997 WA_{14}	17.1	X	276.81641	127.36949	252.75572	6.06096	0.1530590	0.29426162	2.2386196	20	7 13.9	19.5
257530 1997 YO_{17}	16.5	X	320.63576	203.55817	315.34421	4.12591	0.0547008	0.22012098	2.7166171	20	—	—
257531 1998 BL_{18}	17.1	X	4.83163	2.44312	86.17328	3.16963	0.0421803	0.21738383	2.7393733	20	—	—
257532 1998 BN_{18}	16.5	X	39.74698	251.29691	79.12328	2.99011	0.0481784	0.20735199	2.8270311	20	11 12.5	20.3
257533 Iquique	16.9	X	189.99326	203.45064	322.67460	19.56232	0.0748241	0.37894805	1.8912529	20	11 2.6	19.5
257534 1998 DL_{12}	17.1	X	265.67604	165.63327	99.61506	3.36542	0.1389182	0.26357060	2.4091919	20	1 27.9	20.6
257535 1998 DG_{13}	16.3	X	121.22636	339.15992	152.68416	25.18669	0.1938435	0.27884370	2.3203963	20	6 28.9	20.4
257536 1998 EU_3	17.9	X	110.97967	103.51031	48.43439	4.64897	0.2395502	0.36663371	1.9333677	20	7 23.2	20.6
257537 1998 FH_{38}	15.6	X	281.43814	168.68226	351.76769	13.41884	0.1298598	0.21138763	2.7909346	20	—	—
257538 1998 FO_{148}	16.4	X	324.89909	285.18619	152.17357	5.56978	0.1019533	0.20866877	2.8151254	20	12 17.8	19.7
257539 1998 HP	17.6	X	109.14238	113.18415	120.93545	3.13200	0.1797081	0.28341447	2.2953806	20	10 28.3	21.1
257540 1998 HV_{26}	16.1	X	44.54518	0.35337	53.93981	5.17887	0.0619894	0.21158710	2.7891803	20	—	—
257541 1998 HQ_{56}	16.0	X	233.34219	120.33449	45.10185	6.62920	0.2215703	0.20447829	2.8534565	20	11 10.0	20.1
257542 1998 MW_1	16.8	X	66.04748	233.71396	237.99481	6.25041	0.0406743	0.26111092	2.4242982	20	2 22.2	19.8
257543 1998 MS_{16}	16.2	X	74.79632	231.11603	90.54481	1.89963	0.2069096	0.19064543	2.9898664	20	12 27.2	20.7
257544 1998 QU_4	15.1	X	30.49387	80.79611	292.15864	7.47042	0.1122140	0.18893342	3.0079009	20	12 27.7	19.0
257545 1998 RS_{12}	18.7	X	133.63956	19.91232	322.79256	0.15145	0.2631278	0.24224541	2.5485844	20	1 10.3	22.6
257546 1998 RH_{21}	16.7	X	131.69917	18.89900	344.07534	5.72729	0.1186026	0.24467952	2.5316537	20	1 16.5	20.2
257547 1998 SO_{19}	17.4	X	246.21204	148.27017	187.52641	2.47375	0.1909738	0.25749226	2.4469584	20	4 1.8	21.0
257548 1998 SV_{40}	15.2	X	73.63557	243.20914	353.94210	11.07118	0.0506131	0.17630406	3.1498836	20	8 27.2	19.7
257549 1998 SX_{40}	16.3	X	259.80837	190.63906	356.12437	13.66314	0.1781308	0.23841616	2.5758007	20	—	—
257550 1998 SV_{43}	15.1	X	328.68390	60.28284	299.02471	14.92818	0.2405311	0.17678285	3.1441937	20	8 20.3	18.3
257551 1998 SB_{48}	17.4	X	222.37018	210.95435	199.46498	1.29860	0.1813496	0.25776793	2.4452136	20	6 14.7	21.1
257552 1998 SY_{50}	17.4	X	90.84953	6.99613	355.95055	1.37597	0.1323317	0.23699849	2.5860624	20	—	—
257553 1998 SF_{69}	16.3	X	302.85243	96.66961	288.06788	9.32110	0.2941510	0.17500264	3.1654806	20	7 28.7	20.1
257554 1998 SO_{81}	16.7	X	289.23379	338.50417	5.11956	6.60414	0.1250815	0.26211310	2.4181147	20	6 12.5	19.6
257555 1998 SM_{104}	17.1	X	278.70696	274.58291	103.22123	3.52207	0.1871372	0.26351792	2.4095130	20	7 6.6	20.0
257556 1998 SF_{174}	16.1	X	238.86038	334.45993	148.50020	2.03572	0.1513612	0.18062004	3.0995032	20	10 1.2	20.6
257557 1998 TO_8	16.0	X	252.37032	67.94788	30.42850	7.89678	0.1975940	0.17600223	3.1534838	20	9 12.1	20.6
257558 1998 TM_{16}	16.9	X	280.56980	339.03124	2.96752	3.13978	0.2065993	0.25976453	2.4326679	20	5 14.8	20.0
257559 1998 TL_{19}	15.2	X	260.70243	184.62504	230.85258	13.88488	0.1064528	0.17239266	3.1973501	20	8 3.0	20.0
257560 1998 TP_{25}	16.7	X	327.78044	235.32259	25.34723	3.42158	0.1600331	0.25396050	2.4695924	20	4 10.5	19.4
257561 1998 TS_{25}	13.3	X	222.73696	266.32416	224.21351	14.00346	0.0880378	0.08371202	5.1754028	20	9 13.6	20.6
257562 1998 TT_{35}	17.6	X	152.76323	323.21769	26.03766	2.90678	0.0970932	0.24509555	2.5287880	20	1 20.2	21.2
257563 1998 UA_2	16.6	X	74.69537	39.27197	15.25252	12.38167	0.2597297	0.23980516	2.5658447	20	1 31.2	19.4
257564 1998 UJ_{34}	16.7	X	220.56373	49.07112	4.33176	2.48752	0.1784708	0.25834346	2.4415806	20	6 16.9	20.5
257565 1998 UH_{49}	16.3	X	189.71758	198.92043	210.46410	6.96926	0.2211254	0.25284527	2.4768488	20	5 14.1	20.4
257566 1998 WP_{37}	13.2	X	246.05036	41.65759	59.99737	9.77146	0.0733167	0.08269930	5.2175683	20	9 15.7	20.3
257567 1998 XU_6	16.9	X	287.94506	348.17880	70.27475	8.16715	0.1016195	0.26574667	2.3960221	20	10 9.9	19.5
257568 1998 YP_{13}	16.3	X	231.60145	198.31671	63.10212	8.77935	0.0172016	0.23831939	2.5764980	20	—	—
257569 1998 YU_{15}	16.8	X	49.71143	14.93248	126.59415	5.11225	0.1669451	0.23907717	2.5710507	20	4 1.7	19.4
257570 1998 YT_{16}	17.0	X	107.34403	254.70204	126.57763	5.32237	0.0676562	0.23248711	2.6194099	20	1 2.6	20.3
257571 1998 YW_{20}	16.8	X	119.96025	3.40883	135.57399	3.10444	0.1340257	0.25228039	2.4805447	20	6 28.7	20.5
257572 1999 CP_1	16.0	X	112.29933	87.03844	51.09238	4.29566	0.1450924	0.24470201	2.5314986	20	6 19.9	19.8
257573 1999 CH_4	16.4	X	72.30266	159.54722	346.10927	3.58688	0.2297011	0.24026164	2.5625937	20	5 22.6	19.5
257574 1999 CP_{10}	16.4	X	79.74657	35.04959	151.57540	23.64311	0.2303432	0.29203634	2.2499772	20	7 30.9	19.6
257575 1999 CR_{69}	16.5	X	96.36311	285.58351	186.18259	9.71674	0.1882765	0.24107233	2.5568454	20	5 4.5	20.0
257576 1999 CN_{82}	15.3	X	102.33716	130.90224	352.97692	13.70131	0.1092133	0.24484067	2.5305427	20	5 9.3	19.0
257577 1999 CE_{92}	16.0	X	78.61070	46.20008	98.56958	6.05465	0.1428670	0.24202930	2.5501012	20	5 18.6	19.2
257578 1999 CS_{108}	15.8	X	4.67853	188.56506	274.27648	12.34682	0.2158734	0.22831991	2.6511860	20	—	—
257579 1999 CZ_{156}	17.0	X	350.53369	296.30438	161.56234	5.07522	0.1318901	0.22389813	2.6859777	20	—	—
257580 1999 DB_9	15.5	X	59.15481	108.49794	34.96102	13.65469	0.1999617	0.23804027	2.5785116	20	4 24.5	18.1
257581 1999 FE_8	16.8	X	114.01109	269.92165	180.11844	27.00442	0.3767601	0.24105633	2.5569586	20	5 16.4	21.6
257582 1999 FR_{70}	17.8	X	146.31215	84.09066	172.19862	1.46080	0.1048490	0.30642112	2.1789984	20	—	—
257583 1999 GZ_{54}	16.8	X	339.51470	341.40230	183.22426	2.24545	0.2060317	0.22852495	2.6495999	20	—	—
257584 1999 JZ_{35}	16.9	X	19.39175	185.53982	84.26520	5.28983	0.2383525	0.28676783	2.2774513	20	9 6.3	18.8
257585 1999 JQ_{36}	17.7	X	104.65765	181.78458	63.54988	2.97099	0.2069009	0.29603067	2.2296922	20	11 9.4	21.1
257586 1999 JK_{39}	17.2	X	339.25360	197.13723	34.54884	3.80950	0.2130456	0.27852988	2.3221388	20	3 9.0	19.3
257587 1999 JR_{50}	15.9	X	15.52870	93.11177	76.97013	11.17920	0.2611332	0.23123851	2.6288307	20	3 8.6	18.0
257588 1999 JF_{73}	16.4	X	278.14168	155.01245	72.90007	10.80496	0.2636811	0.22346451	2.6894513	20	—	—
257589 1999 JV_{116}	15.7	X	232.20420	348.84908	258.18093	8.60183	0.1845817	0.21828288	2.7318463	20	—	—
257590 1999 KY_{13}	15.9	X	93.40932	197.04431	102.08157	9.70882	0.2985272	0.20353757	2.8622418	20	12 25.1	21.0
257591 1999 RM_4	16.2	X	328.47584	250.85952	167.13054	1.28479	0.1119140	0.19403176	2.9549774	20	11 23.9	19.7
257592 1999 RW_8	15.9	X	15.98118	99.60984	167.57639	15.37728	0.1615374	0.18429034	3.0582126	20	7 24.3	19.6
257593 1999 RZ_{13}	17.5	X	26.26284	358.45554	4.82200	2.55673	0.1974590	0.29063902	2.2571830	20	—	—
257594 1999 RA_{31}	15.6	X	297.85253	74.01666	349.98524	23.11489	0.3063374	0.28175016	2.3044110	20	9 30.1	17.0
257595 1999 RT_{40}	16.2	X	247.69098	277.53854	179.30815	21.80380	0.2792773	0.28001334	2.3139301	20	8 30.8	19.4
257596 1999 RT_{45}	16.1	X	237.55231	200.22836	180.37383	5.37601	0.1403062	0.17637901	3.1489912	20	5 27.2	21.0
257597 1999 RH_{66}	17.5	X	288.61546	192.42620	151.94207	3.61709	0.2499995	0.27610494	2.3357155	20	5 23.8	20.2
257598 1999 RQ_{66}	16.6	X	314.97967	353.20456	357.23946	8.27114	0.1867005	0.28011116	2.3133913	20	8 7.2	18.5
257599 1999 RN_{67}	17.0	X	291.37793	202.34430	191.07078	4.92235	0.2510892	0.28008073	2.3135589	20	8 9.6	19.0
257600 1999 RT_{75}	17.7	X	315.37831	109.05480	211.66219	4.91597	0.2565422	0.27723639	2.3293561	20	6 1.6	19.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
257601 1999 RH_{85}	17.5	X	309.95998	222.79005	156.61239	2.70072	0.2452845	0.28086201	2.3092664	20	9 3.4	18.7
257602 1999 RE_{103}	15.2	X	359.28682	61.34702	305.02551	14.54135	0.3432150	0.19065673	2.9897483	20	12 5.8	18.3
257603 1999 RN_{107}	16.6	X	356.72031	112.28326	247.27496	6.04971	0.1502291	0.28520326	2.2857728	20	11 22.6	18.7
257604 1999 RP_{171}	16.4	X	164.54041	26.57241	5.19229	6.42193	0.1353594	0.26410636	2.4059327	20	3 26.8	19.9
257605 1999 RS_{200}	16.9	X	352.04151	62.86536	283.71876	4.32704	0.1873817	0.28370409	2.2938181	20	10 27.9	18.9
257606 1999 RJ_{206}	15.3	X	345.11425	115.96968	253.60315	10.50372	0.1517845	0.18852003	3.0122965	20	10 15.0	18.9
257607 1999 RB_{208}	15.4	X	346.46318	62.85032	289.72540	8.17079	0.2879907	0.18700962	3.0284942	20	9 29.0	18.0
257608 1999 RM_{213}	16.5	X	14.98921	15.46419	310.88271	4.07546	0.2440702	0.18804977	3.0173163	20	10 24.1	19.9
257609 1999 RQ_{214}	17.7	X	126.92395	108.60239	339.19478	0.97810	0.1456732	0.26477926	2.4018548	20	4 29.6	21.2
257610 1999 RM_{215}	16.0	X	312.74040	49.41819	278.95062	8.53389	0.2989079	0.27570630	2.3379664	20	5 29.6	18.2
257611 1999 SC_{1}	16.2	X	196.02113	74.72178	20.44994	5.76385	0.1927885	0.17582059	3.1556554	20	7 15.1	21.5
257612 1999 SH_{3}	15.9	X	334.70472	60.60776	304.99355	22.13487	0.2742086	0.28249958	2.3003337	20	10 10.5	18.0
257613 1999 SV_{13}	17.2	X	286.42716	350.92422	15.20642	2.14970	0.2221837	0.27637139	2.3342139	20	6 25.8	19.8
257614 1999 TF_{53}	15.7	X	252.64913	162.85815	215.62473	9.57774	0.1028939	0.17593692	3.1542641	20	6 13.4	20.4
257615 1999 TJ_{71}	16.8	X	68.04387	172.28963	24.92126	7.81431	0.0579811	0.27019301	2.3696633	20	7 2.9	19.8
257616 1999 TL_{71}	17.2	X	66.85725	99.71844	21.81301	2.79896	0.1463531	0.25801931	2.4436251	20	3 26.8	19.7
257617 1999 TG_{73}	18.2	X	287.07088	75.89692	336.86316	2.24247	0.2174426	0.28101739	2.3084152	20	9 9.7	19.9
257618 1999 TJ_{73}	15.4	X	98.46775	125.38089	353.27810	15.25661	0.0511680	0.17136003	3.2101823	20	4 21.2	20.1
257619 1999 TD_{74}	16.0	X	104.85781	184.82714	348.31577	9.14747	0.0610401	0.17961971	3.1110004	20	7 16.7	20.6
257620 1999 TN_{75}	16.8	X	305.20835	351.08755	220.01549	6.84773	0.0931988	0.25492271	2.4633740	20	1 9.5	20.2
257621 1999 TR_{120}	16.7	X	141.65775	58.06048	353.37781	4.71413	0.1758387	0.26093020	2.4254174	20	3 31.5	20.4
257622 1999 TG_{126}	17.2	X	339.13231	323.21701	18.97281	3.25434	0.1851323	0.28078467	2.3096905	20	9 21.9	18.6
257623 1999 TG_{135}	17.2	X	304.50540	148.64025	196.58381	2.44992	0.1853967	0.27598842	2.3363728	20	7 2.0	19.3
257624 1999 TU_{137}	17.5	X	175.57965	56.04090	6.08382	3.08230	0.2357388	0.26547226	2.3976730	20	5 17.1	21.6
257625 1999 TC_{138}	17.5	X	270.05829	27.91283	351.03867	2.16370	0.2014895	0.27429956	2.3459530	20	6 23.9	20.4
257626 1999 TF_{140}	17.3	X	259.86912	345.18129	9.02503	4.30978	0.2547942	0.27085602	2.3657947	20	4 30.8	21.0
257627 1999 TW_{165}	16.8	X	332.56004	60.77105	262.36170	3.85098	0.1799695	0.27794167	2.3254139	20	7 29.4	18.6
257628 1999 TG_{168}	15.6	X	39.60570	102.13962	212.83508	9.46084	0.1038325	0.18947288	3.0021889	20	10 27.8	19.7
257629 1999 TK_{169}	16.1	X	296.56106	23.75482	358.85087	4.77123	0.1566492	0.18205942	3.0831450	20	8 10.1	19.9
257630 1999 TJ_{174}	16.7	X	170.19460	243.66974	114.45535	3.26208	0.2126211	0.25845649	2.4408687	20	2 25.0	20.6
257631 1999 TK_{175}	17.5	X	326.66965	166.20424	214.62879	5.72931	0.1472970	0.28245259	2.3005888	20	10 25.2	19.3
257632 1999 TA_{177}	17.4	X	294.57616	86.94094	1.31687	3.84425	0.1922130	0.28423100	2.2909824	20	11 29.4	18.9
257633 1999 TV_{204}	16.0	X	312.64003	336.88588	24.18630	12.48547	0.2245362	0.18137063	3.0909459	20	8 1.8	19.7
257634 1999 TJ_{217}	16.9	X	97.10387	73.42440	350.63491	4.11895	0.2354313	0.25620170	2.4551689	20	3 7.1	19.9
257635 1999 TM_{218}	17.3	X	154.73525	5.40245	21.24851	2.91602	0.2019127	0.25927032	2.4357582	20	3 16.5	21.1
257636 1999 TQ_{233}	17.4	X	285.46875	148.95098	180.18864	6.58628	0.1842648	0.27270088	2.3551127	20	5 9.1	20.4
257637 1999 TW_{241}	17.1	X	268.50674	253.74058	146.38049	4.42027	0.2430644	0.27524229	2.3405932	20	7 15.2	20.0
257638 1999 TQ_{244}	17.6	X	319.81195	125.92004	209.58252	3.76979	0.2508513	0.27826693	2.3236015	20	7 8.6	19.2
257639 1999 TK_{252}	15.2	X	346.95275	133.35166	249.25029	9.63239	0.1072211	0.18767684	3.0213122	20	11 4.3	19.0
257640 1999 TS_{261}	16.3	X	239.00726	176.83528	193.01368	12.00890	0.1113958	0.17574911	3.1565109	20	5 18.9	21.2
257641 1999 TX_{263}	16.2	X	184.52508	281.83351	208.51487	2.61677	0.1580764	0.17922821	3.1155291	20	8 15.7	21.3
257642 1999 TP_{265}	15.2	X	200.31241	185.13479	211.38418	27.01311	0.1985875	0.17279289	3.1924110	20	5 8.6	20.7
257643 1999 TS_{282}	15.6	X	300.76728	318.87597	37.19469	16.57514	0.2335572	0.18018072	3.1045394	20	6 27.6	19.8
257644 1999 TG_{290}	17.0	X	252.39790	188.95373	197.51867	6.28905	0.2172166	0.27159352	2.3615099	20	6 10.8	20.4
257645 1999 TT_{292}	17.3	X	296.36290	135.53453	271.65938	3.64143	0.1769092	0.28000155	2.3139951	20	9 24.9	19.3
257646 1999 TQ_{308}	17.2	X	356.47214	352.14630	181.10905	6.36366	0.0642136	0.25926360	2.4358004	20	2 3.3	20.0
257647 1999 TV_{317}	17.6	X	172.52291	326.39945	197.01229	5.91779	0.0351453	0.28266796	2.2994201	20	10 1.9	20.4
257648 1999 TY_{318}	16.7	X	42.37695	112.02304	172.00348	1.17497	0.0750090	0.18388964	3.0626536	20	9 17.2	20.9
257649 1999 TP_{319}	16.3	X	339.21841	273.82334	19.44000	4.86654	0.2813016	0.18039608	3.1020680	20	6 8.7	19.2
257650 1999 TL_{321}	17.3	X	197.16980	125.05965	48.61914	3.29826	0.0961924	0.28539954	2.2847247	20	11 10.4	20.2
257651 1999 UZ_{11}	15.7	X	326.99013	97.92979	222.83114	12.15333	0.1000309	0.17711332	3.1402814	20	7 9.1	19.9
257652 1999 UZ_{28}	15.7	X	285.29149	284.56878	25.32713	16.08423	0.0799118	0.17364639	3.1819416	20	4 28.6	20.2
257653 1999 UV_{31}	18.0	X	169.41457	197.18491	204.21324	0.79043	0.1718616	0.26275748	2.4141597	20	4 14.8	21.7
257654 1999 UT_{33}	17.3	X	21.00909	84.49427	213.04714	2.35464	0.1873509	0.28004180	2.3137733	20	10 8.0	19.4
257655 1999 UM_{36}	15.9	X	151.50943	120.30903	348.27463	10.25050	0.0533014	0.17654954	3.1469631	20	6 16.1	20.7
257656 1999 UY_{47}	17.2	X	280.51187	96.97599	290.31074	3.52898	0.2394160	0.27624849	2.3349062	20	7 15.0	19.7
257657 1999 VE	17.4	X	217.73110	201.64913	232.68186	1.57027	0.2079771	0.27124058	2.3635581	20	7 9.7	21.2
257658 1999 VJ_{29}	16.1	X	110.48051	345.88210	53.50534	5.20674	0.1881640	0.25339202	2.4732846	20	2 16.2	19.3
257659 1999 VE_{32}	15.4	X	314.71443	120.29348	234.72455	15.37619	0.2378517	0.18002545	3.1063241	20	7 16.2	19.2
257660 1999 VS_{39}	16.7	X	294.96431	317.90774	20.83725	6.38481	0.2471486	0.27589794	2.3368836	20	5 22.9	19.3
257661 1999 VP_{40}	17.6	X	293.27496	152.85756	196.13347	1.56723	0.2318791	0.27557936	2.3386842	20	6 9.2	20.2
257662 1999 VC_{43}	15.3	X	44.75821	238.29784	68.23094	10.31837	0.0649792	0.18428101	3.0583158	20	10 21.3	19.6
257663 1999 VQ_{45}	17.0	X	280.28004	57.59433	330.42247	1.60347	0.2138244	0.27591071	2.3368114	20	7 20.7	19.3
257664 1999 VO_{46}	17.3	X	287.72946	93.37939	236.80367	18.92958	0.0582040	0.36510906	1.9387463	20	6 2.7	18.9
257665 1999 VA_{51}	16.3	X	163.10923	111.05394	250.29026	6.91997	0.1229873	0.25733076	2.4479821	20	2 12.6	20.0
257666 1999 VC_{62}	15.9	X	139.13316	143.21676	227.72967	3.69385	0.1506835	0.25505935	2.4624942	20	2 3.9	19.4
257667 1999 VL_{65}	17.2	X	228.60922	36.49123	53.82431	1.64697	0.1581236	0.27414355	2.3468430	20	8 18.2	20.5
257668 1999 VU_{70}	17.0	X	277.23387	6.55927	53.51171	5.20499	0.1973545	0.27748640	2.3279568	20	9 8.9	19.3
257669 1999 VV_{75}	17.3	X	163.81423	317.19408	220.60927	5.80743	0.2614191	0.27502896	2.3418034	20	9 30.2	21.3
257670 1999 VC_{86}	17.0	X	137.32861	34.62493	32.19465	4.84797	0.1748851	0.26048393	2.4281868	20	4 16.9	20.6
257671 1999 VV_{103}	17.3	X	163.72835	14.88255	4.24219	0.89377	0.1717201	0.25864975	2.4396527	20	3 12.8	20.9
257672 1999 VJ_{104}	17.0	X	322.44234	300.10901	48.13363	3.58363	0.1831135	0.27638589	2.3341323	20	8 20.4	18.6
257673 1999 VK_{106}	17.7	X	224.47545	180.80087	253.29560	1.34933	0.1480341	0.27128253	2.3633144	20	7 21.9	20.9
257674 1999 VM_{122}	15.7	X	290.94449	324.61698	64.77433	11.23126	0.0913763	0.17937821	3.1137919	20	8 23.5	20.0
257675 1999 VO_{122}	16.4	X	177.94049	27.48893	115.58787	2.76669	0.0836810	0.17834724	3.1257803	20	8 28.7	21.2
257676 1999 VQ_{125}	16.2	X	307.54236	143.88041	203.38453	0.27982	0.1879251	0.17859896	3.1228426	20	7 4.5	19.9
257677 1999 VY_{125}	17.1	X	149.13707	160.70989	257.24557	1.18864	0.1948757	0.26379611	2.4078188	20	4 17.8	20.9
257678 1999 VV_{129}	15.8	X	71.58325	61.43338	232.49113	6.63324	0.0484071	0.18854141	3.0120688	20	11 1.9	20.0
257679 1999 VJ_{132}	16.1	X	123.44755	28.18250	154.20471	2.37615	0.0849045	0.17672421	3.1448892	20	8 18.7	20.9
257680 1999 VR_{134}	17.5	X	281.67571	263.64224	34.59975	1.64753	0.1799269	0.26547775	2.3976399	20	3 22.8	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
257681 1999 VG_{136}	16.3	X	268.61913	188.17000	244.44625	0.54482	0.1353117	0.18180791	3.0859878	20	9 5.8	20.6
257682 1999 VC_{150}	15.5	X	312.43424	325.78061	40.31257	16.55733	0.0835508	0.18092994	3.0959629	20	8 29.9	19.8
257683 1999 VW_{150}	15.5	X	314.32435	131.23165	251.61978	10.55080	0.1343296	0.18235644	3.0797962	20	9 4.3	19.5
257684 1999 VT_{158}	16.6	X	153.75530	27.67047	350.37719	2.35779	0.2148356	0.25811356	2.4430302	20	3 5.4	20.4
257685 1999 VW_{164}	15.0	X	347.86837	122.62714	236.06976	20.88136	0.0249476	0.18360549	3.0658126	20	9 27.1	19.6
257686 1999 VS_{166}	17.5	X	217.70996	14.43409	35.30119	5.50319	0.2285544	0.26844784	2.3799223	20	6 5.5	21.4
257687 1999 VL_{182}	18.0	X	257.93974	352.45201	54.48152	2.26918	0.1692796	0.27316317	2.3524548	20	7 23.4	20.9
257688 1999 VW_{187}	15.6	X	288.54733	341.33260	92.46854	4.29415	0.1724391	0.18479638	3.0526270	20	10 3.5	19.3
257689 1999 VQ_{197}	15.2	X	350.02039	170.68061	185.57233	9.95214	0.1651877	0.18639318	3.0351678	20	10 10.8	18.4
257690 1999 VY_{205}	17.8	X	266.98373	193.63917	174.61177	0.97546	0.1939884	0.27232853	2.3572589	20	6 5.9	20.9
257691 1999 VC_{210}	17.1	X	276.78243	143.16893	220.34635	6.25755	0.1232306	0.27206278	2.3587937	20	6 23.7	19.9
257692 1999 WT_{8}	15.8	X	233.05546	69.08389	76.18603	24.10967	0.2543694	0.27861744	2.3216523	20	11 3.4	19.3
257693 1999 WQ_{12}	17.4	X	257.47287	152.13264	214.54839	4.80682	0.1977817	0.27210840	2.3585301	20	5 23.1	20.6
257694 1999 WU_{13}	17.9	X	259.88412	180.05165	206.63941	0.85229	0.2013019	0.27259656	2.3557135	20	6 21.7	20.9
257695 1999 WY_{13}	16.6	X	333.41471	265.92453	72.69542	2.15299	0.1814696	0.18123795	3.0924543	20	8 12.4	19.8
257696 1999 WV_{19}	15.6	X	214.18977	340.76303	49.16569	17.02284	0.0968511	0.17051289	3.2208061	20	5 16.2	20.5
257697 1999 WC_{21}	16.3	X	184.00801	79.23679	59.54892	1.70802	0.1213402	0.17968839	3.1102075	20	8 28.5	21.3
257698 1999 WO_{23}	17.0	X	278.84690	240.97623	233.28148	0.64127	0.2584174	0.18722118	3.0262124	20	10 25.7	20.7
257699 1999 WR_{23}	16.1	X	102.85438	315.86847	233.33644	4.36036	0.0926086	0.17454701	3.1709869	20	8 3.4	20.8
257700 1999 WW_{25}	15.9	X	341.29339	65.85166	234.53324	8.47991	0.0735169	0.17434944	3.1733819	20	7 7.0	20.1
257701 1999 XK_{4}	16.9	X	327.78974	229.60226	127.16019	2.12486	0.2453390	0.27870493	2.3211664	20	9 17.0	18.0
257702 1999 XR_{20}	16.8	X	325.38561	282.48873	72.43714	6.15728	0.2451495	0.27908088	2.3190814	20	9 9.3	18.0
257703 1999 XY_{43}	17.0	X	239.48477	142.15220	330.64950	1.86472	0.1727565	0.27764241	2.3270846	20	9 28.7	19.7
257704 1999 XK_{45}	17.4	X	240.82498	315.62953	98.19196	3.29553	0.1886043	0.27173950	2.3606641	20	7 8.4	20.8
257705 1999 XY_{50}	17.4	X	174.52420	7.95940	78.05958	3.46356	0.1593441	0.26554114	2.3972584	20	6 16.1	21.1
257706 1999 XX_{62}	15.0	X	284.99861	331.30291	72.28244	22.86549	0.0656916	0.17938353	3.1137303	20	9 14.0	19.7
257707 1999 XF_{80}	17.2	X	192.85423	145.86926	250.38695	4.16088	0.1885383	0.26286070	2.4135276	20	4 28.8	21.2
257708 1999 XN_{80}	17.6	X	182.16840	337.78244	87.92203	5.67899	0.2164713	0.26404283	2.4063186	20	5 28.2	21.7
257709 1999 XE_{112}	16.5	X	305.95844	305.61413	67.75944	8.16813	0.2357468	0.27626750	2.3347991	20	8 17.7	18.4
257710 1999 XD_{115}	17.1	X	229.85707	340.90488	102.21769	3.50223	0.1902693	0.27029956	2.3690405	20	8 5.5	20.5
257711 1999 XH_{116}	16.3	X	77.52438	196.39240	258.44597	10.39646	0.2235459	0.25422787	2.4678605	20	3 12.9	19.3
257712 1999 XG_{123}	16.9	X	242.63912	97.00107	310.04148	5.21923	0.2476403	0.27167254	2.3610520	20	6 24.6	20.5
257713 1999 XL_{138}	15.3	X	202.45372	270.28186	231.39824	16.78359	0.2693024	0.18054666	3.1003430	20	9 2.7	21.0
257714 1999 XJ_{140}	15.8	X	244.22726	172.40340	276.34948	6.42968	0.2224386	0.17667356	3.1454902	20	8 14.2	20.7
257715 1999 XT_{141}	16.5	X	127.21733	87.32412	95.08426	23.42417	0.0825503	0.36330186	1.9451703	20	9 26.8	19.5
257716 1999 XQ_{142}	16.0	X	169.91190	201.63957	280.11094	23.54728	0.1495802	0.26656494	2.3911163	20	7 23.6	19.9
257717 1999 XZ_{149}	17.3	X	118.31921	23.67830	71.71080	3.18143	0.1404700	0.25940207	2.4349334	20	4 30.7	20.7
257718 1999 XY_{150}	15.8	X	41.37543	106.05758	243.80259	8.35135	0.0691834	0.18910135	3.0061199	20	12 7.0	19.8
257719 1999 XO_{154}	14.9	X	240.68762	7.53553	85.59393	18.74939	0.1706971	0.17878786	3.1206426	20	8 31.7	19.9
257720 1999 XF_{217}	17.0	X	256.94922	16.80573	97.08131	1.92488	0.1518851	0.18060947	3.0996241	20	10 11.4	21.2
257721 1999 XP_{218}	16.8	X	206.36646	345.72695	97.10979	9.21523	0.1821819	0.26631903	2.3925880	20	7 11.9	20.4
257722 1999 XD_{219}	17.3	X	181.80458	188.98519	294.31947	2.39542	0.1482873	0.26729746	2.3867458	20	8 11.4	20.8
257723 1999 XE_{224}	17.1	X	218.02223	282.64984	93.33567	3.21065	0.2586190	0.26227562	2.4171157	20	4 24.6	21.2
257724 1999 XP_{226}	15.8	X	226.12435	226.13924	297.44762	10.15354	0.0827570	0.18157946	3.0885756	20	11 10.3	20.4
257725 1999 XE_{233}	15.9	X	117.26637	307.66210	82.10523	7.02181	0.1502533	0.25308374	2.4752927	20	2 6.2	19.2
257726 1999 XB_{249}	15.2	X	262.77945	216.85095	236.15639	16.12890	0.2473896	0.18134713	3.0912129	20	8 31.9	20.0
257727 1999 XU_{252}	16.4	X	239.93346	142.39602	76.70352	6.45272	0.1228500	0.24449662	2.5329161	20	—	—
257728 1999 XG_{258}	17.4	X	216.88224	131.85292	272.03654	2.47042	0.2195275	0.26472955	2.4021554	20	5 29.2	21.4
257729 1999 XC_{259}	17.7	X	256.79502	193.30783	188.74258	2.24147	0.2206660	0.27108830	2.3644431	20	6 9.1	21.1
257730 1999 XM_{259}	15.7	X	337.89887	70.92197	288.62083	15.48142	0.2432677	0.17867673	3.1219364	20	9 8.1	19.0
257731 1999 YG_{5}	16.1	X	125.04551	86.21304	84.73229	12.72922	0.2813126	0.26360406	2.4089881	20	8 30.1	20.5
257732 1999 YE_{6}	16.4	X	263.17043	103.86217	299.27703	21.80975	0.2332706	0.27392639	2.3480831	20	7 15.7	19.4
257733 1999 YH_{12}	15.1	X	161.11554	62.29465	87.90113	10.70574	0.0462373	0.17493648	3.1662786	20	8 22.1	19.9
257734 1999 YF_{21}	17.2	X	135.51208	204.85038	303.18883	2.45171	0.1691936	0.26247255	2.4159065	20	7 30.1	20.7
257735 1999 YP_{26}	16.5	X	241.28360	17.11347	27.04072	13.01237	0.2978389	0.26873566	2.3782227	20	6 12.5	20.6
257736 2000 AF_{43}	14.7	X	234.80717	17.23927	110.56781	28.22098	0.1031471	0.17965921	3.1105443	20	10 21.6	19.8
257737 2000 AY_{48}	16.5	X	242.43335	306.03879	95.73661	22.49695	0.3094743	0.27084530	2.3658571	20	6 13.0	20.4
257738 2000 AA_{49}	16.7	X	35.32690	99.07289	102.65199	24.33874	0.0783923	0.35555845	1.9733103	20	5 27.9	18.8
257739 2000 AU_{54}	15.0	X	225.21481	171.72124	302.79825	9.51317	0.1776368	0.17623406	3.1507176	20	8 30.4	20.0
257740 2000 AZ_{131}	17.0	X	214.83342	334.45041	104.38169	8.69523	0.1708105	0.26770925	2.3842976	20	7 16.1	20.6
257741 2000 AE_{150}	15.6	X	295.47092	340.41949	148.39050	9.36850	0.2532806	0.18701876	3.0283955	20	12 15.8	18.9
257742 2000 AE_{151}	15.8	X	249.97812	184.37544	302.56898	4.28949	0.2418377	0.17994804	3.1072150	20	10 3.8	20.5
257743 2000 AY_{183}	14.6	X	248.03116	179.28146	256.11701	14.23934	0.0364163	0.17451604	3.1713619	20	8 20.9	19.4
257744 2000 AD_{205}	18.5	X	127.56797	192.01506	157.20880	7.92723	0.5857525	0.44719860	1.6935672	20	1 25.4	20.2
257745 2000 AA_{209}	16.7	X	302.11571	201.22158	302.58763	14.36924	0.1213187	0.23594782	2.5937338	20	—	—
257746 2000 AC_{212}	16.7	X	228.82076	329.14613	140.99744	6.31938	0.1731845	0.27005740	2.3704565	20	9 12.9	19.9
257747 2000 AZ_{218}	15.9	X	230.56577	32.87083	98.45004	4.64686	0.1272877	0.17855597	3.1233438	20	10 6.7	20.6
257748 2000 AB_{221}	16.3	X	216.63633	16.25947	48.69858	1.55923	0.1055714	0.16793172	3.2537254	20	7 1.2	21.1
257749 2000 AT_{227}	17.2	X	162.12832	212.44298	324.11779	4.50398	0.1480075	0.26751325	2.3854621	20	9 29.0	20.8
257750 2000 BN	16.7	X	232.40026	208.93709	294.50410	1.73983	0.1626497	0.27555517	2.3388211	20	11 1.6	19.6
257751 2000 BT_{1}	16.9	X	302.13462	223.94389	125.31619	7.77831	0.2426657	0.26748920	2.3856051	20	6 23.2	19.2
257752 2000 BZ_{12}	16.0	X	183.75047	59.47068	136.65319	28.07868	0.1960039	0.22401401	2.6850513	20	11 15.1	21.0
257753 2000 BB_{14}	16.4	X	139.43981	163.43926	321.56215	9.79758	0.1669425	0.25996324	2.4314281	20	7 4.8	20.3
257754 2000 BP_{17}	16.8	X	250.91541	92.49661	332.35005	7.62358	0.2826041	0.27128293	2.3633121	20	7 24.4	20.2
257755 2000 BY_{19}	16.2	X	278.17893	262.55479	154.53427	1.59487	0.1605087	0.17505083	3.1648996	20	8 25.4	20.4
257756 2000 BP_{21}	15.4	X	359.55847	21.68579	312.51046	7.96807	0.0736456	0.17277307	3.1926551	20	9 15.2	19.7
257757 2000 BG_{28}	16.6	X	252.12923	113.48963	331.50995	3.16010	0.2222043	0.27226760	2.3576106	20	8 29.5	19.3
257758 2000 BJ_{28}	15.2	X	294.79317	161.92446	281.77030	14.46125	0.2081470	0.18423256	3.0588520	20	10 11.9	19.1
257759 2000 BT_{31}	15.3	X	264.51004	356.79722	126.90554	11.17108	0.0661846	0.18142978	3.0902741	20	11 17.2	19.7
257760 2000 BA_{37}	16.4	X	66.58357	288.50731	316.47015	9.97297	0.1331097	0.26422297	2.4052248	20	9 13.9	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
257761 2000 BG_{37}	15.5	X	318.35447	63.75108	298.14629	7.28177	0.1407474	0.17387004	3.1792125	20	8 16.0	19.4
257762 2000 BV_{39}	16.2	X	298.92625	131.79012	294.23992	0.79770	0.1052630	0.17929291	3.1147794	20	10 14.2	20.1
257763 2000 BK_{50}	17.0	X	272.79498	104.71815	300.97390	1.44630	0.1498306	0.27081907	2.3660099	20	8 14.6	19.6
257764 2000 BD_{52}	15.7	X	207.94332	296.43999	145.29494	3.87823	0.1055388	0.16656176	3.2715421	20	7 12.4	20.7
257765 2000 CX_{33}	15.4	X	249.33010	343.59072	143.66384	13.22399	0.2357484	0.17821460	3.1273311	20	10 10.4	20.2
257766 2000 CN_{41}	15.3	X	319.73044	292.69290	138.38777	14.79970	0.1496493	0.18298943	3.0726897	20	11 26.2	19.1
257767 2000 CZ_{68}	16.3	X	265.90116	348.15731	134.13960	2.01365	0.0558639	0.17999193	3.1067099	20	11 15.3	20.6
257768 2000 CB_{74}	17.0	X	175.93653	44.60484	127.05927	2.00589	0.1232190	0.27007919	2.3703290	20	10 10.8	20.4
257769 2000 CV_{83}	16.1	X	25.22285	319.54479	141.93267	14.25130	0.1402744	0.24117331	2.5561316	20	—	—
257770 2000 CA_{98}	15.8	X	309.41996	279.10558	106.69726	3.11806	0.1194698	0.17575046	3.1564947	20	9 7.8	19.8
257771 2000 CB_{99}	17.5	X	156.69355	23.22754	143.80661	2.31826	0.1638299	0.26644668	2.3918237	20	9 13.6	21.2
257772 2000 CN_{109}	17.5	X	80.51573	258.07301	272.68914	1.51601	0.1476441	0.25644666	2.4536052	20	6 26.2	20.6
257773 2000 CB_{111}	17.9	X	150.23138	25.36268	71.17800	0.60481	0.1858761	0.25894717	2.4377842	20	6 7.5	21.8
257774 2000 CT_{119}	17.0	X	220.29000	230.63317	140.58649	6.41043	0.2064427	0.25826935	2.4420477	20	4 24.2	21.0
257775 2000 CW_{129}	14.2	X	303.33156	297.41822	146.45273	4.23101	0.0977437	0.08195020	5.2493159	20	10 25.3	20.8
257776 2000 CT_{130}	16.0	X	308.86806	231.17557	134.37569	4.87927	0.2131939	0.17162702	3.2068522	20	7 27.2	19.8
257777 2000 CB_{137}	17.1	X	189.25554	351.86264	124.63114	6.58280	0.1831950	0.26702077	2.3883943	20	8 9.1	20.7
257778 2000 DN_{9}	17.3	X	247.30063	247.65227	167.51271	1.16458	0.1743312	0.26639871	2.3921109	20	7 19.2	20.7
257779 2000 DL_{12}	17.0	X	151.09964	109.65937	21.34782	1.34578	0.1277985	0.25879238	2.4387562	20	7 21.8	20.5
257780 2000 DO_{23}	16.0	X	192.31315	81.09052	148.58576	16.69371	0.1660771	0.22927770	2.6437974	20	12 27.6	20.3
257781 2000 DK_{28}	17.2	X	184.72701	305.23263	140.36815	3.09104	0.2034802	0.26167368	2.4208210	20	6 24.5	21.2
257782 2000 DJ_{31}	17.2	X	159.64213	10.59088	158.00306	1.34395	0.1294416	0.26677721	2.3898478	20	9 18.6	20.6
257783 2000 DJ_{41}	16.7	X	329.35144	202.65991	333.41059	3.46431	0.1839194	0.24100600	2.5573145	20	—	—
257784 2000 DB_{43}	16.4	X	129.34201	177.65647	346.79230	6.32599	0.0815213	0.26150586	2.4218566	20	8 10.7	19.7
257785 2000 DU_{49}	16.5	X	275.18936	358.23778	165.44638	14.54007	0.0417512	0.23279206	2.6171218	20	—	—
257786 2000 DG_{59}	15.2	X	189.54519	269.47879	339.92962	16.89479	0.1643853	0.18042535	3.1017326	20	—	—
257787 2000 DT_{64}	17.2	X	201.46497	169.56268	330.43724	3.34574	0.1903935	0.26864209	2.3787749	20	9 18.6	20.7
257788 2000 DJ_{76}	15.7	X	221.64229	78.48079	340.84313	9.63835	0.2543384	0.26259662	2.4151455	20	6 20.4	19.8
257789 2000 DA_{77}	16.3	X	230.33555	307.30278	168.77390	12.46323	0.1022140	0.26902567	2.3765133	20	10 3.0	19.3
257790 2000 DV_{90}	17.1	X	279.20237	76.41619	322.55020	1.45628	0.2158732	0.26959713	2.3731537	20	8 3.4	19.6
257791 2000 DT_{105}	16.6	X	204.25284	190.72296	30.42866	5.52956	0.1774742	0.27634111	2.3343845	20	—	—
257792 2000 EZ_{1}	17.0	X	193.89454	0.57962	123.72633	2.43124	0.1428510	0.26629871	2.3927097	20	8 26.3	20.6
257793 2000 EV_{2}	17.2	X	189.47397	261.55401	187.79699	2.07446	0.2172576	0.26158693	2.4213562	20	7 2.9	21.2
257794 2000 EB_{7}	17.6	X	99.48675	337.79434	175.91839	2.02291	0.1527506	0.25573096	2.4581809	20	6 27.3	21.0
257795 2000 EA_{13}	16.4	X	46.66349	44.98043	71.77572	6.77555	0.1811234	0.24558499	2.5254271	20	2 20.3	18.8
257796 2000 EQ_{21}	16.0	X	241.68908	17.21685	147.96838	30.83812	0.1320321	0.22577532	2.6710688	20	12 12.8	20.3
257797 2000 EX_{22}	17.1	X	231.12276	317.56341	333.02432	1.62787	0.0726713	0.24466324	2.5317660	20	1 29.9	20.8
257798 2000 EN_{23}	17.3	X	250.41325	93.64435	337.17684	2.55837	0.1769963	0.26741051	2.3860730	20	8 14.3	20.3
257799 2000 EG_{24}	17.1	X	125.53947	258.73093	195.02746	1.25384	0.1782118	0.25166926	2.4845587	20	5 10.4	20.9
257800 2000 EO_{35}	16.9	X	147.29393	111.56565	58.10927	2.20209	0.1325833	0.26424203	2.4051091	20	9 8.3	20.4
257801 2000 EC_{66}	16.9	X	139.42358	140.66279	16.49081	6.20385	0.1402109	0.26037234	2.4288805	20	8 16.1	20.7
257802 2000 EO_{71}	17.1	X	182.84161	346.57036	134.21401	1.84662	0.1333685	0.26455796	2.4031940	20	8 10.0	20.5
257803 2000 EC_{75}	15.8	X	264.79519	89.51618	347.62343	20.40403	0.3313665	0.27267698	2.3552503	20	8 23.6	18.9
257804 2000 ED_{78}	16.7	X	151.51053	48.20844	130.26845	5.98610	0.1366175	0.26611548	2.3938078	20	9 25.3	20.4
257805 2000 EO_{108}	15.3	X	270.99209	102.27762	344.43174	25.09193	0.2700026	0.17826402	3.1267530	20	9 6.6	19.7
257806 2000 EC_{138}	17.1	X	184.52613	113.57231	4.80884	2.08663	0.1769803	0.26396366	2.4067997	20	8 7.4	21.0
257807 2000 EK_{139}	16.8	X	234.82750	97.10415	344.27066	4.65533	0.2367113	0.26637836	2.3922327	20	8 3.3	20.3
257808 2000 EA_{165}	16.9	X	9.01798	139.72831	358.47563	4.43256	0.1782243	0.24168423	2.5525279	20	—	—
257809 2000 FB_{5}	16.9	X	217.65121	110.71896	188.38718	5.45383	0.1289741	0.23724947	2.5842383	20	1 24.6	21.0
257810 2000 FX_{12}	15.7	X	332.53652	118.80333	62.98639	14.62457	0.1227474	0.24108792	2.5567352	20	1 7.7	19.0
257811 2000 FZ_{18}	15.7	X	235.00676	52.61881	125.79375	10.96718	0.0958446	0.22636634	2.6664175	20	12 20.9	19.3
257812 2000 FC_{21}	16.0	X	316.49480	144.77917	54.98347	11.34464	0.1201182	0.24028258	2.5624449	20	1 10.3	19.5
257813 2000 FU_{25}	15.9	X	272.66660	104.45830	79.79352	3.01654	0.0641318	0.23159334	2.6261448	20	—	—
257814 2000 FP_{41}	16.9	X	73.04714	106.54777	116.72385	5.35454	0.2098666	0.25661225	2.4525496	20	9 8.4	20.3
257815 2000 GQ_{23}	16.9	X	177.60693	195.15089	41.37090	2.65834	0.1478959	0.22418963	2.6836489	20	12 21.4	21.1
257816 2000 GP_{27}	17.3	X	48.10294	63.54169	176.05858	2.10752	0.1775555	0.25510142	2.4622235	20	8 21.5	20.1
257817 2000 GS_{36}	16.6	X	111.35679	99.95307	69.38396	4.21669	0.1355541	0.25767707	2.4457883	20	7 31.7	20.1
257818 2000 GB_{42}	16.7	X	313.84077	9.88483	207.57929	3.13763	0.1781346	0.23999972	2.5644578	20	1 19.2	20.1
257819 2000 GJ_{51}	17.5	X	263.90164	220.57532	36.71514	5.62839	0.2194081	0.23648075	2.5898356	20	1 13.9	21.7
257820 2000 GU_{84}	15.5	X	166.10720	91.28146	173.15826	25.52505	0.2877343	0.17378033	3.1803065	20	12 29.3	21.6
257821 2000 GB_{122}	16.4	X	229.44669	192.76493	71.19205	13.15648	0.1577129	0.23132037	2.6282104	20	—	—
257822 2000 GC_{132}	16.1	X	108.59888	63.28638	192.78806	13.72958	0.1637559	0.21443154	2.7644598	20	11 13.4	20.6
257823 2000 GN_{143}	16.3	X	83.18889	66.31823	144.30535	6.63910	0.1920287	0.25627853	2.4546782	20	8 30.2	19.7
257824 2000 GA_{144}	16.7	X	201.08388	217.66683	22.84570	5.49205	0.0956264	0.22793081	2.6542023	20	—	—
257825 2000 GR_{151}	16.4	X	216.59875	197.18476	30.11966	2.47880	0.0258400	0.22775265	2.6555863	20	—	—
257826 2000 GQ_{155}	17.1	X	109.27091	116.64586	84.63056	2.96383	0.1371355	0.25999614	2.4312229	20	9 10.7	20.6
257827 2000 GY_{168}	16.0	X	112.24044	98.57432	186.57394	25.43414	0.2972143	0.21838491	2.7309953	20	12 23.1	21.5
257828 2000 GW_{177}	16.4	X	351.87067	145.59507	32.38175	7.95400	0.1349867	0.24185824	2.5513035	20	2 2.7	19.3
257829 2000 GK_{183}	16.6	X	255.31054	107.03149	202.05366	3.29284	0.0360424	0.24719277	2.5144647	20	3 24.3	19.8
257830 2000 HX_{13}	16.0	X	252.66383	342.80612	227.84992	13.24837	0.1980672	0.22936255	2.6431454	20	—	—
257831 2000 HC_{23}	16.4	X	270.91739	42.83945	202.60907	11.14074	0.0931769	0.23641113	2.5903440	20	1 14.4	20.3
257832 2000 HM_{54}	15.8	X	249.80601	319.91936	223.74922	10.95576	0.2351753	0.22645217	2.6657437	20	12 24.8	19.3
257833 2000 HR_{105}	16.7	X	355.41231	16.71800	203.42304	3.68746	0.0579291	0.24535312	2.5270179	20	4 10.8	19.7
257834 2000 JW_{2}	16.4	X	351.89409	56.47339	74.15403	14.12363	0.2091703	0.23648681	2.5897913	20	—	—
257835 2000 JR_{18}	15.9	X	269.60986	108.59909	141.88427	13.22774	0.2227642	0.23553209	2.5967850	20	1 9.3	20.3
257836 2000 JQ_{34}	16.6	X	280.26525	171.94841	42.51101	4.49244	0.1484001	0.23367330	2.6105378	20	—	—
257837 2000 JS_{44}	16.6	X	181.59665	210.85891	50.72926	13.86982	0.2215026	0.22393428	2.6856886	20	—	—
257838 2000 JQ_{66}	17.9	X	80.74194	103.83481	188.95669	7.06064	0.4189495	0.30916737	2.1660756	20	12 28.4	22.1
257839 2000 JQ_{90}	15.3	X	161.09510	311.23601	136.99270	6.51311	0.1225608	0.15605055	3.4168495	20	6 5.2	20.7
257840 2000 KY_{6}	16.2	X	163.75429	158.22921	97.20402	7.35544	0.1541041	0.22056795	2.7129458	20	12 29.9	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
257841 2000 KB_{11}	16.2	X	206.31896	309.27695	55.85791	5.85142	0.0056382	0.24283388	2.5444653	20	4 10.2	19.6
257842 2000 KO_{37}	16.5	X	162.62130	280.71273	55.42554	3.85458	0.0440256	0.23230179	2.6208028	20	1 11.3	20.2
257843 2000 KR_{43}	16.5	X	140.75962	183.88025	80.28778	13.12359	0.1517467	0.21872189	2.7281896	20	12 19.4	20.8
257844 2000 KQ_{44}	16.4	X	131.43718	70.91392	243.20951	7.44698	0.2365348	0.22156170	2.7048276	20	—	—
257845 2000 KK_{59}	16.6	X	221.41960	18.56383	234.15224	7.23108	0.1595786	0.22952972	2.6418618	20	—	—
257846 2000 LK_{22}	15.5	X	318.00512	126.78245	93.83293	13.60431	0.1437226	0.23852782	2.5749967	20	2 6.8	18.9
257847 2000 LE_{34}	16.6	X	64.85344	207.34533	151.43087	6.70411	0.0406308	0.22159527	2.7045545	20	—	—
257848 2000 MJ	15.8	X	317.13068	126.04726	87.01007	14.25742	0.1271022	0.23635681	2.5907408	20	1 29.0	19.3
257849 2000 NH	16.8	X	36.68015	38.02945	148.65615	4.60503	0.1458663	0.24529621	2.5274088	20	5 10.3	19.4
257850 2000 NZ_{6}	16.1	X	102.57686	47.76948	273.54362	8.20721	0.1620818	0.21439823	2.7647461	20	—	—
257851 2000 OA_{13}	17.4	X	52.30192	215.73831	115.50852	3.76951	0.2450064	0.30761444	2.1733595	20	—	—
257852 2000 OF_{36}	15.3	X	86.44330	53.47038	279.94140	11.52345	0.2009819	0.21152864	2.7896942	20	—	—
257853 2000 OH_{54}	15.8	X	61.92210	245.22931	121.86457	9.49332	0.3002493	0.21196905	2.7858287	20	—	—
257854 2000 PG_{8}	15.4	X	302.92503	324.06851	295.78099	28.76019	0.2481732	0.23449011	2.6044720	20	2 9.6	19.5
257855 2000 QR_{136}	16.2	X	95.41425	14.71348	315.41917	7.20794	0.2182741	0.21275364	2.7789755	20	—	—
257856 2000 QN_{148}	16.4	X	68.78615	65.46075	329.72077	6.83787	0.2424281	0.21305064	2.7763922	20	—	—
257857 2000 QV_{156}	16.4	X	100.84297	53.64091	261.95351	7.46652	0.2884742	0.21285073	2.7781303	20	—	—
257858 2000 QK_{178}	17.3	X	99.31672	13.81025	278.80162	5.81275	0.1417108	0.30885524	2.1675348	20	—	—
257859 2000 QB_{186}	17.0	X	307.22651	349.74214	350.69543	6.75842	0.1481556	0.29266361	2.2467611	20	7 9.2	19.2
257860 2000 QE_{230}	16.6	X	259.75254	241.98884	123.62089	7.54115	0.1351322	0.28687219	2.2768989	20	6 2.9	19.5
257861 2000 QD_{242}	17.9	X	278.95182	46.00762	329.97556	3.91846	0.1348588	0.29098287	2.2554044	20	7 16.1	20.3
257862 2000 QC_{248}	17.7	X	262.50343	58.60189	330.35643	7.14866	0.2111555	0.29096862	2.2554781	20	6 28.0	20.7
257863 2000 RM_{14}	16.0	X	54.78472	134.48159	250.96707	7.82684	0.2360775	0.21088573	2.7953611	20	—	—
257864 2000 RQ_{69}	15.4	X	67.28713	13.71837	7.95562	9.23799	0.1658567	0.21051632	2.7986303	20	—	—
257865 2000 RN_{84}	17.6	X	67.83284	69.75044	276.47932	2.11300	0.1472224	0.30910650	2.1663600	20	—	—
257866 2000 SF_{15}	15.3	X	123.98104	77.29919	222.82309	12.47076	0.1318017	0.21086953	2.7955043	20	—	—
257867 2000 SY_{27}	15.6	X	262.52590	133.44915	218.23989	8.60468	0.0886698	0.18553473	3.0445229	20	5 24.7	19.9
257868 2000 SH_{30}	15.7	X	40.82780	204.90274	176.90006	17.13106	0.1153859	0.20864776	2.8153143	20	—	—
257869 2000 SD_{32}	17.0	X	329.58988	200.86895	185.31795	3.13931	0.1766006	0.29881487	2.2158205	20	11 18.9	18.3
257870 2000 SY_{34}	18.2	X	71.33749	208.07892	157.53312	1.96484	0.1725266	0.31087078	2.1581557	20	—	—
257871 2000 SX_{44}	15.4	X	211.58793	100.53550	311.85483	15.74059	0.1290344	0.18491418	3.0513304	20	6 9.1	20.5
257872 2000 SY_{52}	15.9	X	166.03570	334.17296	335.81797	4.05885	0.1181821	0.21798562	2.7343293	20	—	—
257873 2000 SP_{60}	16.1	X	167.32543	81.64132	183.93278	7.59953	0.1874640	0.21290754	2.7776362	20	—	—
257874 2000 SK_{93}	17.6	X	268.72483	89.44449	284.71809	5.33343	0.1947514	0.28931906	2.2640431	20	6 16.7	20.4
257875 2000 SL_{97}	17.1	X	28.29461	118.05114	291.01049	4.33017	0.0521656	0.31018820	2.1613206	20	—	—
257876 2000 SH_{131}	16.0	X	69.68735	119.60362	294.46201	11.74420	0.1732147	0.21560184	2.7544469	20	1 9.2	19.1
257877 2000 SF_{136}	15.1	X	196.89565	225.71670	211.44620	13.80241	0.2159991	0.18320937	3.0702302	20	6 21.4	20.5
257878 2000 SM_{143}	16.2	X	95.48883	71.88437	280.66077	7.08310	0.3042584	0.21129177	2.7917787	20	—	—
257879 2000 SJ_{153}	15.4	X	23.46738	353.34756	29.08398	9.05289	0.1737449	0.20338401	2.8636824	20	—	—
257880 2000 SV_{157}	15.9	X	250.94225	68.53134	312.20777	4.82764	0.1485851	0.18608278	3.0385421	20	6 8.4	20.6
257881 2000 SE_{158}	17.3	X	235.73821	189.85779	201.98839	6.36019	0.1216188	0.28693907	2.2765451	20	6 10.6	20.4
257882 2000 SK_{192}	16.8	X	17.66787	184.91648	186.05613	15.26788	0.1395214	0.20355392	2.8620885	20	12 15.9	20.8
257883 2000 SM_{214}	17.3	X	117.28239	96.86640	190.52531	5.71283	0.1298096	0.30806450	2.1712422	20	—	—
257884 2000 SA_{228}	15.6	X	228.99090	190.65508	208.34896	14.78068	0.1885540	0.18454316	3.0554188	20	6 5.5	20.7
257885 2000 SU_{256}	16.0	X	79.48101	251.53923	151.83171	8.19494	0.1461139	0.21540917	2.7560891	20	1 6.3	19.4
257886 2000 SC_{263}	16.1	X	112.84897	299.20402	73.21545	5.29366	0.1090778	0.21687831	2.7436285	20	1 7.9	19.8
257887 2000 SU_{282}	15.9	X	359.55753	61.71011	309.10203	11.46106	0.1123060	0.20046276	2.8914360	20	11 9.9	19.7
257888 2000 SY_{290}	17.8	X	244.57739	101.32329	310.12702	3.19891	0.1928035	0.28835885	2.2690664	20	7 9.9	21.0
257889 2000 SD_{292}	17.1	X	291.30104	341.83140	343.34528	6.48077	0.1409826	0.28659273	2.2783788	20	5 14.7	19.8
257890 2000 SE_{292}	17.9	X	69.03741	76.61788	231.58303	2.41270	0.1406892	0.30368818	2.1920517	20	12 21.9	20.9
257891 2000 SJ_{315}	16.0	X	284.30586	58.43818	302.07054	5.50500	0.1573766	0.18876889	3.0096484	20	6 22.5	20.0
257892 2000 SK_{339}	17.1	X	353.03678	223.86072	119.51682	7.98870	0.1983476	0.29819237	2.2189032	20	11 6.7	19.0
257893 2000 SN_{340}	17.4	X	120.85445	251.07475	42.53183	3.82367	0.1410983	0.31066826	2.1590935	20	—	—
257894 2000 SF_{351}	17.0	X	310.20561	244.23009	95.65194	9.24055	0.2473615	0.29139898	2.2532568	20	6 24.6	18.6
257895 2000 SL_{370}	17.1	X	333.17638	276.21638	26.53323	6.57642	0.1673670	0.29091289	2.2557661	20	6 28.3	18.9
257896 2000 TL_{3}	16.0	X	322.19577	203.80109	161.88382	2.31049	0.0993132	0.19554201	2.9397428	20	9 5.1	19.6
257897 2000 TW_{3}	16.4	X	124.27520	115.61530	189.53790	12.09871	0.1201386	0.21119139	2.7926633	20	—	—
257898 2000 TX_{23}	17.6	X	266.20627	123.59756	245.26845	6.42960	0.1878468	0.28734476	2.2744018	20	6 6.7	20.5
257899 2000 TR_{27}	13.0	X	246.45333	98.02846	258.96041	5.21886	0.0965808	0.08246489	5.2274513	20	5 12.4	20.1
257900 2000 TZ_{33}	16.1	X	283.93808	12.28134	48.30822	7.28843	0.2022589	0.19529271	2.9422441	20	9 7.5	19.9
257901 2000 TC_{37}	17.2	X	171.12544	90.51578	147.88365	2.03987	0.1073309	0.30931568	2.1653832	20	—	—
257902 2000 TS_{41}	17.0	X	65.93295	215.75375	107.50519	5.56044	0.1774254	0.30609318	2.1805545	20	—	—
257903 2000 TM_{54}	17.3	X	301.26049	248.69407	95.51583	6.95149	0.2384272	0.28970864	2.2620129	20	6 14.9	19.3
257904 2000 UZ_{19}	17.1	X	241.70722	39.20524	28.79766	6.13911	0.1287123	0.28878201	2.2668492	20	8 10.7	20.0
257905 2000 UP_{55}	16.7	X	332.94496	337.81155	79.92918	5.50029	0.1278649	0.29900073	2.2149022	20	—	—
257906 2000 UD_{67}	15.3	X	187.16530	203.11889	229.98337	9.92381	0.0987076	0.18086516	3.0967022	20	6 11.5	20.1
257907 2000 UY_{75}	17.4	X	105.32969	285.71796	209.36748	21.24281	0.1303510	0.37807932	1.8941488	20	6 6.5	19.8
257908 2000 UB_{84}	15.9	X	34.77496	186.87223	193.06355	5.92013	0.0787441	0.20446858	2.8535468	20	—	—
257909 2000 UQ_{97}	14.7	X	175.73652	203.32312	244.83767	17.57322	0.1875958	0.17858575	3.1229966	20	6 17.6	20.0
257910 2000 UV_{105}	16.1	X	269.28605	283.29575	102.15811	7.36244	0.3026450	0.18728810	3.0254914	20	6 15.6	20.7
257911 2000 VV_{1}	17.3	X	240.67695	188.31445	219.56791	23.45880	0.1670706	0.28606326	2.2811893	20	6 28.6	21.0
257912 2000 VF_{9}	15.4	X	123.31319	273.84296	218.57242	10.93266	0.0303134	0.18006381	3.1058830	20	6 11.3	19.9
257913 2000 VZ_{12}	15.8	X	52.80854	324.79431	55.19377	13.35798	0.2215430	0.20652897	2.8345366	20	—	—
257914 2000 VX_{21}	17.0	X	12.10092	129.79265	246.32788	3.26947	0.1485398	0.30128546	2.2036905	20	—	—
257915 2000 VU_{48}	16.9	X	240.89247	349.72678	51.09064	5.83113	0.1695626	0.28371837	2.2937412	20	6 23.1	20.1
257916 2000 VC_{56}	14.7	X	197.69442	152.14725	252.20911	13.83253	0.2145658	0.17741725	3.1366940	20	5 14.1	20.1
257917 2000 VN_{62}	16.9	X	191.12966	159.24747	268.58299	6.01454	0.0949677	0.28071745	2.3100592	20	6 10.1	19.9
257918 2000 WR	15.0	X	204.45772	86.99681	336.82694	24.44616	0.2762840	0.17917383	3.1161594	20	6 8.9	21.0
257919 2000 WZ_{12}	17.7	X	269.94689	34.17749	51.14950	23.31443	0.0875347	0.39423449	1.8420425	20	11 20.1	18.5
257920 2000 WT_{27}	16.6	X	268.44312	330.99011	71.57916	0.74908	0.1505853	0.18710458	3.0274695	20	7 27.5	20.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
257921 2000 WA_{29}	17.7	X	201.25110	228.13997	234.48137	16.18481	0.2273240	0.38408052	1.8743666	20	7 30.3	20.7
257922 2000 WK_{30}	17.2	X	94.97964	239.10951	113.86654	4.72986	0.1738172	0.30949797	2.1645328	20	—	—
257923 2000 WS_{39}	15.8	X	27.69810	317.48940	123.98152	9.05036	0.1933542	0.20647178	2.8350599	20	—	—
257924 2000 WH_{68}	18.0	X	26.69542	74.89720	239.50101	3.42949	0.2967827	0.29585323	2.2305836	20	12 1.3	20.7
257925 2000 WK_{68}	15.2	X	186.65555	295.86437	119.93584	17.30580	0.2133391	0.17842016	3.1249286	20	5 24.6	20.8
257926 2000 WY_{72}	16.7	X	5.15005	95.92560	264.00501	6.67247	0.2578821	0.29911820	2.2143223	20	12 29.8	18.9
257927 2000 WV_{76}	15.6	X	309.13909	32.61742	48.39551	14.59468	0.1161011	0.19751040	2.9201785	20	11 21.3	19.0
257928 2000 WL_{96}	16.9	X	124.19758	3.82873	99.89749	1.49149	0.1828305	0.27270437	2.3550926	20	5 22.4	20.2
257929 2000 WR_{128}	17.0	X	221.55060	17.99479	82.79068	1.24079	0.3262910	0.18557896	3.0440391	20	8 3.2	22.3
257930 2000 WE_{134}	15.1	X	98.94680	235.59570	252.25309	20.67438	0.0837560	0.17442656	3.1724465	20	5 13.0	19.7
257931 2000 WZ_{152}	15.6	X	150.86642	178.75782	306.47983	6.49401	0.2789974	0.17710079	3.1404295	20	7 15.5	21.2
257932 2000 WH_{156}	15.4	X	355.20785	159.26858	268.42159	14.30092	0.0888485	0.20125286	2.8838633	20	—	—
257933 2000 WB_{160}	17.6	X	352.96438	313.44261	102.32357	5.11024	0.1407544	0.30143627	2.2029554	20	—	—
257934 2000 WC_{176}	17.1	X	326.13273	318.10026	74.32149	7.77936	0.0713663	0.29363337	2.2418116	20	11 12.9	19.3
257935 2000 WK_{182}	15.2	X	342.94998	276.26921	143.61271	24.79793	0.3241854	0.19674653	2.9277320	20	—	—
257936 2000 WL_{182}	14.7	X	132.80439	0.79393	113.07696	23.61982	0.2785156	0.17505006	3.1649088	20	6 20.7	20.3
257937 2000 WC_{184}	15.1	X	216.65200	142.14861	264.94803	13.97702	0.1951002	0.18125917	3.0922129	20	6 3.5	20.2
257938 2000 WS_{184}	15.7	X	347.43563	251.49805	103.11264	12.22795	0.0195076	0.18627150	3.0364895	20	10 4.1	20.1
257939 2000 WZ_{184}	15.9	X	34.64696	340.99452	110.28268	12.05061	0.1834255	0.21028210	2.8007081	20	—	—
257940 2000 WL_{185}	17.5	X	115.15774	234.14274	265.86016	18.00385	0.0915574	0.37663647	1.8989832	20	6 22.9	19.3
257941 2000 XB_{2}	16.2	X	240.91420	165.10170	256.56673	23.93906	0.1932102	0.28677372	2.2774201	20	7 12.8	19.7
257942 2000 XN_{15}	17.7	X	340.83781	322.82424	71.62572	2.87990	0.0808753	0.29689452	2.2253650	20	12 10.9	19.8
257943 2000 XL_{26}	15.4	X	0.50857	335.44288	65.71779	17.83572	0.1925051	0.19822677	2.9131388	20	—	—
257944 2000 XQ_{53}	17.1	X	314.49562	341.84047	83.18731	7.55227	0.0992198	0.29578164	2.2309435	20	12 11.8	19.0
257945 2000 YC_{12}	15.2	X	38.60537	175.04529	70.54812	9.76237	0.0126660	0.18025633	3.1036712	20	7 16.9	19.6
257946 2000 YJ_{15}	12.6	X	187.36767	238.97760	286.82608	21.56627	0.0449117	0.08430757	5.1510016	20	9 12.8	19.9
257947 2000 YT_{27}	16.5	X	190.27254	72.59763	19.91297	1.30095	0.1411529	0.17530242	3.1618708	20	7 7.4	21.6
257948 2000 YJ_{28}	16.3	X	224.99480	132.57817	264.58261	21.46176	0.2605775	0.27724999	2.3292800	20	5 25.1	20.3
257949 2000 YX_{50}	15.7	X	283.40184	26.23568	126.31212	6.29761	0.1884873	0.19658704	2.9293154	20	—	—
257950 2000 YV_{57}	17.0	X	188.04512	301.75522	100.62803	2.85708	0.1879002	0.27457707	2.3443721	20	5 3.9	20.7
257951 2000 YP_{111}	14.8	X	110.14691	255.26776	297.85111	20.73111	0.1917984	0.17725810	3.1385713	20	8 20.0	20.0
257952 2000 YK_{113}	16.3	X	64.67357	23.24193	101.72639	7.43365	0.0890792	0.26451668	2.4034440	20	3 22.8	19.1
257953 2000 YN_{119}	16.7	X	196.69187	342.61673	62.17349	4.81825	0.1282310	0.27662691	2.3327763	20	5 15.3	20.1
257954 2000 YY_{141}	17.4	X	31.95666	210.76733	2.94578	7.72625	0.0586914	0.28239270	2.3009141	20	5 28.4	20.0
257955 2001 AW_{9}	17.0	X	141.00012	159.61288	300.16202	3.40948	0.1779472	0.27330017	2.3516686	20	6 2.1	20.5
257956 2001 AR_{41}	15.0	X	245.84930	56.08541	129.68477	15.58887	0.1992430	0.19257156	2.9698962	20	12 20.8	19.3
257957 2001 AY_{45}	16.8	X	273.52893	3.08810	83.31121	24.59401	0.1851655	0.28954724	2.2628535	20	10 30.2	19.5
257958 2001 AQ_{51}	15.6	X	253.76561	342.48664	131.75239	7.60508	0.1264964	0.18913365	3.0057776	20	10 15.3	19.9
257959 2001 BS_{6}	15.6	X	214.03079	47.68078	102.67470	11.59171	0.0395023	0.18777898	3.0202164	20	10 25.9	20.1
257960 2001 BY_{12}	15.2	X	246.44010	72.27407	88.17598	15.20983	0.2084705	0.19064739	2.9898459	20	11 21.0	19.5
257961 2001 BZ_{31}	15.3	X	277.09926	343.90948	135.43706	11.60465	0.2578717	0.19158952	2.9800363	20	11 4.5	19.1
257962 2001 BN_{51}	16.9	X	45.86909	28.59658	181.43513	2.09298	0.1614720	0.27144205	2.3623884	20	7 3.4	19.2
257963 2001 BV_{55}	15.5	X	302.69175	215.10100	232.97136	6.58767	0.1522727	0.19255228	2.9700945	20	11 17.0	18.6
257964 2001 BD_{61}	17.2	X	337.52918	104.39320	314.55068	6.12904	0.0379130	0.29327444	2.2436404	20	—	—
257965 2001 BK_{75}	16.9	X	113.69139	348.13181	130.61659	3.02928	0.1377684	0.26902698	2.3765055	20	5 26.4	20.1
257966 2001 CC_{2}	15.1	X	264.52911	31.31111	129.78870	16.67133	0.1628297	0.19245000	2.9711467	20	12 20.6	19.1
257967 2001 CZ_{10}	12.9	X	239.32206	134.25573	335.34215	11.43630	0.1691030	0.08253013	5.2246960	20	9 2.2	20.2
257968 2001 CK_{17}	15.4	X	193.07823	327.50520	121.84380	11.58452	0.1884749	0.17390811	3.1787485	20	7 4.5	20.7
257969 2001 CC_{25}	15.5	X	300.40585	169.77573	342.23062	10.32304	0.0453441	0.19776221	2.9176992	20	—	—
257970 2001 CS_{31}	14.8	X	172.62331	93.74134	84.05544	26.67673	0.2126668	0.18132544	3.0914595	20	10 15.5	20.5
257971 2001 CV_{34}	15.4	X	183.56340	56.84214	69.03468	17.31291	0.1819029	0.17805489	3.1292010	20	8 15.5	20.9
257972 2001 CR_{35}	15.4	X	168.25873	52.08110	105.39005	27.41862	0.2477787	0.17866157	3.1221131	20	9 11.1	21.3
257973 2001 CT_{36}	15.7	X	151.27434	106.07276	150.91392	15.37829	0.1146093	0.18770440	3.0210163	20	12 17.1	20.7
257974 2001 CA_{38}	17.3	X	20.33838	195.95239	14.89462	20.15029	0.0253523	0.36808962	1.9282662	20	4 23.7	19.1
257975 2001 CQ_{40}	15.3	X	233.52667	37.00997	67.89001	12.80563	0.2334418	0.18322938	3.0700066	20	8 31.3	20.4
257976 2001 CT_{47}	15.8	X	196.23863	142.51891	345.62305	7.16553	0.1700992	0.18179401	3.0861450	20	8 25.2	20.8
257977 2001 CD_{48}	15.2	X	190.48309	67.40476	96.57454	17.68603	0.2196878	0.18346690	3.0673564	20	10 7.6	20.7
257978 2001 CR_{48}	15.9	X	174.70538	216.17424	344.87621	1.40187	0.1652999	0.18408004	3.0605413	20	10 30.6	20.8
257979 2001 DA_{6}	14.8	X	157.23581	43.50067	134.57386	18.40068	0.1759803	0.17867439	3.1219636	20	9 23.3	20.2
257980 2001 DA_{17}	16.9	X	205.38918	23.97338	109.90961	6.46551	0.2202946	0.28306692	2.2972590	20	9 17.4	20.5
257981 2001 DM_{19}	16.6	X	106.57424	58.63352	71.94110	5.30275	0.1303947	0.26738655	2.3862156	20	6 1.4	19.6
257982 2001 DD_{20}	15.2	X	220.73021	157.94115	6.65472	10.99064	0.2388638	0.18592888	3.0402186	20	10 21.0	20.1
257983 2001 DZ_{22}	16.9	X	246.01902	77.89760	111.80353	5.26313	0.1763356	0.24479132	2.5308828	20	—	—
257984 2001 DS_{33}	16.8	X	291.37117	343.63396	130.90315	6.17640	0.1157303	0.29186614	2.2508518	20	—	—
257985 2001 DC_{59}	16.1	X	198.12338	32.54117	146.84687	5.31249	0.2082242	0.18465216	3.0542163	20	10 25.4	21.2
257986 2001 DS_{69}	15.1	X	71.14240	140.83587	333.11259	8.04738	0.0848236	0.15764955	3.3937061	20	3 21.3	19.9
257987 2001 DY_{77}	13.5	X	251.43784	325.19328	137.28261	7.66737	0.0778683	0.08184910	5.2536378	20	9 18.9	20.5
257988 2001 DM_{80}	17.0	X	197.06196	159.11513	274.49011	4.35146	0.2467980	0.27672893	2.3322030	20	6 18.6	21.0
257989 2001 DR_{81}	16.3	X	225.78481	69.03624	1.77768	1.17030	0.0699548	0.17590703	3.1546215	20	7 22.5	20.8
257990 2001 DV_{81}	17.4	X	182.13257	20.29235	4.88513	1.34661	0.1936837	0.26781227	2.3836861	20	4 5.9	21.2
257991 2001 DB_{82}	17.5	X	31.06310	82.09259	142.27031	3.66912	0.1279857	0.26893725	2.3770341	20	6 23.0	19.7
257992 2001 DJ_{96}	17.3	X	134.88775	75.42945	91.96604	3.48841	0.1442618	0.27720607	2.3295260	20	8 25.5	20.8
257993 2001 DO_{99}	15.1	X	168.65088	322.47928	180.41379	18.35001	0.1696699	0.17623223	3.1507394	20	8 14.7	20.5
257994 2001 DB_{109}	15.2	X	246.56837	190.32673	285.04691	12.08204	0.1869374	0.18556188	3.0442259	20	9 19.2	19.9
257995 2001 EV_{1}	15.0	X	162.83694	73.76383	109.90052	11.72083	0.1736509	0.17976001	3.1093813	20	10 5.5	20.3
257996 2001 ES_{4}	15.8	X	270.39727	336.03021	132.06814	6.06762	0.2606627	0.18812627	3.0164983	20	10 8.3	19.8
257997 2001 EU_{7}	16.9	X	41.99479	107.06519	143.33814	6.47039	0.2620861	0.26936690	2.3745058	20	9 15.5	19.6
257998 2001 EO_{8}	17.1	X	137.05329	100.43006	86.22327	1.80672	0.1244129	0.27767784	2.3268867	20	9 21.2	20.4
257999 2001 EH_{11}	16.8	X	189.49319	81.65600	99.61857	5.34221	0.1285577	0.28403652	2.2920280	20	11 9.5	20.0
258000 2001 EQ_{16}	16.5	X	125.24816	227.18684	317.60752	4.02953	0.1116884	0.27563471	2.3383712	20	9 3.4	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
258001 2001 FO_{9}	15.6	X	192.67483	103.10007	39.03266	7.22005	0.1451186	0.17751482	3.1355445	20	9 10.9	20.6
258002 2001 FG_{13}	16.7	X	347.77443	209.77443	22.50729	6.79845	0.1049445	0.26074632	2.4265575	20	4 10.9	19.3
258003 2001 FU_{25}	16.2	X	355.55351	15.00082	210.07380	6.81489	0.1979106	0.26028088	2.4294495	20	4 5.9	18.1
258004 2001 FG_{28}	16.8	X	74.30775	47.29949	93.93925	2.69675	0.1314101	0.26366867	2.4085946	20	5 4.1	19.5
258005 2001 FC_{46}	14.7	X	163.41501	329.62408	190.41903	27.82463	0.1456914	0.17414115	3.1759119	20	8 30.0	20.1
258006 2001 FT_{56}	16.7	X	214.03584	33.13384	126.30516	5.63071	0.1681321	0.28398631	2.2922982	20	11 4.4	19.9
258007 2001 FR_{58}	15.2	X	133.89055	325.49611	217.28038	16.25756	0.1920504	0.17436593	3.1731819	20	8 30.6	20.7
258008 2001 FS_{60}	17.0	X	184.77755	353.90453	161.20133	5.50231	0.1625552	0.28128434	2.3069544	20	9 27.3	20.5
258009 2001 FE_{62}	17.3	X	164.02055	81.17363	73.90525	3.62746	0.1607792	0.27794078	2.3254189	20	9 7.7	21.0
258010 2001 FE_{63}	15.5	X	157.11337	111.15127	18.02886	16.22862	0.1484381	0.17126079	3.2114223	20	7 26.4	21.0
258011 2001 FS_{73}	17.2	X	133.40879	141.98269	22.91834	8.17633	0.1470356	0.27415034	2.3468042	20	8 22.8	20.8
258012 2001 FX_{81}	16.4	X	263.79532	205.92474	339.57792	12.63022	0.2279998	0.24327997	2.5413539	20	—	—
258013 2001 FF_{85}	16.0	X	121.26081	153.48450	20.61872	5.61919	0.1513600	0.17142306	3.2093953	20	8 13.4	21.1
258014 2001 FJ_{88}	17.2	X	286.60014	116.70408	153.61062	3.02647	0.1794596	0.25657617	2.4527795	20	2 21.6	20.4
258015 2001 FG_{115}	17.0	X	17.13450	185.81058	24.53620	2.83976	0.1476065	0.26215064	2.4178838	20	5 3.9	19.0
258016 2001 FR_{120}	17.0	X	34.16556	174.76643	42.47720	7.39914	0.1964545	0.26449870	2.4035529	20	6 28.6	19.3
258017 2001 FM_{126}	16.2	X	54.35912	131.91373	15.18657	22.50221	0.1892182	0.26126057	2.4233723	20	4 13.6	18.5
258018 2001 FJ_{131}	15.4	X	288.65299	82.58687	19.05773	10.25760	0.0614282	0.18549980	3.0449051	20	11 17.3	19.5
258019 2001 FY_{138}	17.2	X	339.56130	194.52235	351.53656	19.00719	0.0433669	0.35644553	1.9700350	20	1 19.5	19.6
258020 2001 FQ_{141}	15.4	X	161.14788	191.55842	35.58459	7.73608	0.1456205	0.18102602	3.0948674	20	11 17.6	20.3
258021 2001 FM_{145}	15.4	X	237.40798	47.03793	109.25622	9.45380	0.1239270	0.18682937	3.0304419	20	11 15.9	19.9
258022 2001 FQ_{145}	17.2	X	167.06531	31.78093	149.37329	3.23801	0.1442053	0.28114226	2.3077316	20	10 14.7	20.7
258023 2001 FA_{152}	16.7	X	34.06250	201.82957	1.78200	9.48614	0.1400876	0.26287643	2.4134314	20	5 25.4	19.2
258024 2001 FP_{160}	14.4	X	218.64595	39.69878	115.68822	18.33990	0.3351705	0.18218792	3.0816951	20	10 10.6	20.0
258025 2001 FM_{168}	17.0	X	10.52135	127.73191	113.76168	5.29125	0.1417022	0.26201035	2.4187469	20	6 10.2	19.1
258026 2001 GQ_{1}	16.5	X	201.01328	186.06473	73.29589	6.12529	0.1661793	0.24101542	2.5572479	20	—	—
258027 2001 HB_{3}	16.3	X	163.28899	26.33426	212.43178	13.03408	0.2068866	0.23236187	2.6203510	20	12 9.8	20.8
258028 2001 HF_{17}	17.0	X	49.26516	212.65588	215.19435	1.96597	0.1502913	0.24582426	2.5237881	20	—	—
258029 2001 HL_{20}	15.2	X	170.46786	87.00028	119.81511	20.00849	0.1656008	0.17771938	3.1331381	20	11 9.9	20.7
258030 2001 HX_{40}	15.6	X	216.96122	127.16644	103.33487	14.81268	0.1920876	0.23856708	2.5747142	20	—	—
258031 2001 HA_{42}	17.2	X	101.71231	133.70600	76.24812	4.26717	0.1940947	0.27310536	2.3527868	20	9 21.1	20.8
258032 2001 HC_{63}	17.2	X	34.72368	357.77394	219.78212	19.88015	0.0495594	0.36575026	1.9364797	20	6 9.4	19.1
258033 2001 HH_{64}	14.8	X	187.84349	114.28657	40.42602	22.54308	0.0716861	0.17360861	3.1824032	20	10 1.8	19.8
258034 2001 HC_{66}	16.7	X	197.03292	96.28567	110.83011	23.58663	0.2282505	0.28504361	2.2866262	20	12 12.5	20.3
258035 2001 JH_{3}	17.1	X	132.53175	315.50476	237.59439	4.94227	0.1663444	0.27470624	2.3436371	20	9 22.7	20.8
258036 2001 JD_{11}	16.9	X	329.49140	73.41119	186.52136	4.16622	0.1541422	0.25778564	2.4451015	20	4 13.6	19.2
258037 2001 KX_{29}	17.2	X	344.99654	6.54501	232.32649	1.81915	0.1697320	0.25694225	2.4504492	20	4 8.2	19.5
258038 2001 KB_{38}	16.6	X	16.82326	123.37572	98.35022	7.70557	0.1968251	0.25971371	2.4329852	20	5 27.9	18.5
258039 2001 KF_{41}	17.0	X	310.88244	228.38831	80.95112	24.32829	0.0308241	0.36534479	1.9379122	20	6 13.1	18.4
258040 2001 KT_{43}	14.9	X	165.50207	122.05572	83.49013	28.34974	0.2047125	0.17586624	3.1551092	20	11 7.4	20.6
258041 2001 KJ_{70}	16.3	X	183.48741	211.15819	84.88592	15.67805	0.1915154	0.23912140	2.5707336	20	—	—
258042 2001 KZ_{75}	16.7	X	332.00612	171.63057	66.90700	4.28158	0.1429971	0.25500999	2.4628119	20	3 21.4	19.4
258043 2001 MT_{6}	16.8	X	63.28166	125.52529	99.91408	23.38703	0.0525666	0.36474653	1.9400307	20	8 21.4	19.2
258044 2001 MY_{6}	16.4	X	224.28268	76.35912	113.73716	14.16731	0.2112657	0.23393682	2.6085770	20	12 9.5	20.2
258045 2001 MK_{12}	16.3	X	142.24699	258.30419	80.20245	10.45271	0.2176601	0.23320136	2.6140587	20	1 10.2	20.4
258046 2001 NL_{1}	16.1	X	184.54131	286.53715	94.71467	14.29236	0.1815049	0.24495023	2.5297881	20	4 11.8	20.5
258047 2001 NS_{1}	16.5	X	103.80253	55.14062	227.50450	12.25099	0.1820702	0.22197301	2.7014853	20	12 10.8	21.0
258048 2001 NN_{4}	16.3	X	171.76133	9.64853	316.72581	4.96555	0.0916417	0.23717788	2.5847582	20	1 12.9	19.9
258049 2001 NZ_{7}	15.3	X	126.46264	323.21470	11.07839	0.93602	0.3539774	0.12488455	3.9639689	20	1 16.6	21.8
258050 2001 NO_{10}	16.7	X	153.81068	55.53792	272.89274	3.31269	0.2480035	0.23343550	2.6123104	20	1 10.8	21.0
258051 2001 NK_{18}	15.2	X	172.45424	91.42772	274.78965	28.31088	0.3562211	0.23671605	2.5881190	20	2 26.5	20.7
258052 2001 NV_{18}	15.2	X	143.51333	37.89261	289.38682	25.83504	0.1732795	0.23028799	2.6360594	20	—	—
258053 2001 ND_{19}	16.1	X	246.88077	188.16389	106.31640	10.52512	0.2471557	0.24397950	2.5364939	20	2 11.1	20.4
258054 2001 NG_{19}	16.6	X	130.45023	244.20500	85.29096	5.87649	0.2868101	0.22967089	2.6407791	20	—	—
258055 2001 OW_{5}	16.0	X	4.10345	210.37419	173.13401	17.11097	0.2781321	0.21510337	2.7587006	20	—	—
258056 2001 OK_{18}	15.7	X	187.66360	67.28967	270.64169	8.18881	0.1515526	0.24023793	2.5627623	20	2 10.9	20.0
258057 2001 OQ_{20}	16.0	X	120.50145	157.60766	209.54857	13.61963	0.2648594	0.23019641	2.6367585	20	1 24.9	20.2
258058 2001 OK_{30}	15.7	X	200.67867	146.58051	88.30444	15.29742	0.1773972	0.23026811	2.6362111	20	—	—
258059 2001 OC_{44}	15.8	X	10.39778	357.94397	344.06753	25.95029	0.1603080	0.21022978	2.8011728	20	10 17.4	19.6
258060 2001 ON_{48}	16.2	X	192.30076	345.41677	301.86174	11.12371	0.1759156	0.23353759	2.6115490	20	—	—
258061 2001 OV_{50}	16.1	X	40.19544	241.34112	101.14301	9.93223	0.1874270	0.21517715	2.7580700	20	12 19.6	19.8
258062 2001 OD_{52}	16.2	X	199.40366	243.17598	113.04298	16.01156	0.2424579	0.24203529	2.5500592	20	3 24.1	20.9
258063 2001 OG_{52}	16.0	X	163.32610	160.71484	101.28782	13.43830	0.1576692	0.22707054	2.6609018	20	—	—
258064 2001 OP_{54}	16.1	X	221.07841	274.05768	33.61954	5.52241	0.1847627	0.24151195	2.5537417	20	2 8.9	20.4
258065 2001 OR_{55}	16.2	X	81.20512	74.62288	333.71929	12.03697	0.2708549	0.22673461	2.6635295	20	2 4.4	19.2
258066 2001 OC_{57}	16.1	X	133.32007	51.38997	302.79601	6.52919	0.2413850	0.23227102	2.6210343	20	1 22.8	19.9
258067 2001 OU_{66}	15.8	X	190.39744	15.86691	320.53442	3.04237	0.2132594	0.24001612	2.5643410	20	2 15.9	20.1
258068 2001 OW_{69}	15.4	X	171.45926	199.36559	140.86217	15.78693	0.1802728	0.23493010	2.6012191	20	2 3.7	19.5
258069 2001 OZ_{71}	15.8	X	123.72900	30.44709	343.90052	12.08496	0.3065080	0.22967683	2.6407336	20	2 16.3	19.9
258070 2001 OF_{99}	16.9	X	129.91218	3.00709	329.73413	4.28755	0.3048324	0.22915408	2.6447481	20	1 1.6	21.1
258071 2001 OW_{103}	15.5	X	146.11619	20.02462	304.25793	13.09897	0.2529136	0.22789046	2.6545156	20	1 1.8	19.9
258072 2001 OH_{113}	16.6	X	133.16340	245.83262	42.14334	13.44734	0.2644875	0.22425194	2.6831518	20	—	—
258073 2001 PW_{2}	16.1	X	141.09521	154.18269	206.25524	5.41982	0.2567699	0.23334558	2.6129815	20	2 5.9	20.4
258074 2001 PO_{3}	16.1	X	156.26660	141.67774	245.66926	5.38168	0.3292707	0.23814913	2.5777258	20	3 24.1	20.8
258075 2001 PT_{10}	16.5	X	161.50908	212.88271	122.85650	13.29137	0.2087270	0.23485946	2.6017407	20	1 22.9	20.5
258076 2001 PO_{11}	16.5	X	117.86645	154.91695	202.23948	3.93765	0.3107776	0.22985840	2.6393428	20	1 18.6	20.5
258077 2001 PR_{16}	16.5	X	174.90537	56.13119	263.73688	11.87296	0.1527026	0.23439158	2.6052019	20	1 10.8	20.7
258078 2001 PE_{21}	15.8	X	138.33998	55.03628	315.78844	13.54560	0.1309748	0.23508752	2.6000578	20	2 4.7	19.4
258079 2001 PO_{22}	16.9	X	16.17383	282.08728	321.41569	18.12367	0.0544307	0.35880077	1.9614044	20	6 24.3	18.9
258080 2001 PA_{31}	16.6	X	95.69163	59.74637	230.95486	13.74147	0.3485361	0.22120938	2.7076988	20	12 20.9	21.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
258081 2001 PV_{35}	16.8	X	91.32596	104.71629	241.87152	11.52843	0.2878351	0.22414342	2.6840178	20	—	—
258082 2001 PZ_{36}	16.4	X	236.13462	235.49373	28.06761	9.79336	0.2202492	0.23785694	2.5798364	20	—	—
258083 2001 PK_{62}	15.7	X	144.09688	30.13055	314.92136	7.32376	0.1973449	0.23068268	2.6330517	20	1 18.5	19.7
258084 2001 PN_{65}	16.6	X	167.04518	318.43910	21.35216	4.31437	0.2108933	0.23523301	2.5989856	20	2 3.0	20.8
258085 2001 QS_{6}	15.9	X	257.51294	160.19144	161.94159	8.05182	0.1034740	0.24693549	2.5162109	20	4 7.7	19.4
258086 2001 QZ_{53}	16.9	X	201.42651	343.20217	356.23992	3.33177	0.2687600	0.24020269	2.5630130	20	2 28.9	21.5
258087 2001 QK_{57}	16.4	X	75.42529	199.96801	132.04802	10.77989	0.2276329	0.22079324	2.7111000	20	—	—
258088 2001 QC_{82}	15.9	X	227.67834	41.23952	309.87066	11.98789	0.1805277	0.24341773	2.5403950	20	3 29.7	20.3
258089 2001 QE_{82}	16.0	X	105.32134	89.71795	324.16225	10.72745	0.2625604	0.23012419	2.6373101	20	3 7.2	19.8
258090 2001 QB_{87}	15.7	X	93.68712	122.68692	277.29908	11.82068	0.1981612	0.22901255	2.6458376	20	1 25.9	19.0
258091 2001 QF_{114}	16.7	X	188.00212	61.96767	315.67929	11.73261	0.1892420	0.24144264	2.5542304	20	3 28.2	21.2
258092 2001 QW_{115}	16.3	X	126.07396	79.90452	309.89293	10.42446	0.2844737	0.23225450	2.6211585	20	2 29.0	20.6
258093 2001 QK_{133}	17.1	X	168.66097	82.12859	244.11938	6.00662	0.2000803	0.23359782	2.6111001	20	1 16.2	21.4
258094 2001 QJ_{134}	16.3	X	223.55783	51.61735	240.11711	13.83778	0.1825831	0.23803333	2.5785617	20	1 17.7	20.8
258095 2001 QZ_{137}	16.2	X	130.14303	93.69581	273.55149	4.55333	0.3612120	0.22942204	2.6426884	20	2 14.6	20.7
258096 2001 QR_{146}	16.2	X	345.44398	281.51930	134.07346	5.71563	0.1597045	0.21843068	2.7306139	20	12 30.8	19.1
258097 2001 QT_{149}	16.1	X	171.43174	265.16739	26.10607	12.80595	0.2788582	0.23121760	2.6289891	20	—	—
258098 2001 QG_{156}	17.2	X	178.01295	62.03033	303.98316	3.95088	0.2435038	0.23895952	2.5718945	20	3 11.7	21.8
258099 2001 QC_{162}	16.8	X	122.67033	265.83608	105.07042	2.49696	0.2295810	0.23158061	2.6262411	20	1 31.5	20.7
258100 2001 QA_{164}	16.0	X	188.95508	269.04176	81.55935	9.09082	0.1734585	0.23635018	2.5907893	20	3 6.7	20.4
258101 2001 QZ_{164}	16.3	X	171.58239	329.42903	54.33500	5.54564	0.2485526	0.24067785	2.5596385	20	3 31.8	20.8
258102 2001 QO_{170}	15.7	X	111.30076	234.61998	212.18885	28.51801	0.2973991	0.23770451	2.5809392	20	4 30.3	19.8
258103 2001 QK_{177}	16.4	X	206.88427	294.08081	54.85592	6.88105	0.2592449	0.24267295	2.5455901	20	3 17.5	21.0
258104 2001 QX_{185}	16.3	X	173.75066	58.16488	327.43460	9.70073	0.1878275	0.24131511	2.5551302	20	3 27.6	20.6
258105 2001 QJ_{187}	16.1	X	138.19591	123.61053	261.95133	11.84082	0.2202205	0.23312972	2.6145942	20	2 25.9	20.5
258106 2001 QC_{191}	15.7	X	175.02602	63.50170	267.68765	12.23079	0.1296221	0.23386615	2.6091025	20	1 22.0	19.8
258107 2001 QM_{200}	16.3	X	178.73597	39.27465	271.23268	10.65993	0.2656969	0.23093052	2.6311675	20	1 10.0	21.0
258108 2001 QU_{200}	16.2	X	172.33617	27.34679	313.27609	5.54780	0.2797068	0.23238835	2.6201520	20	2 10.0	20.9
258109 2001 QE_{208}	15.9	X	34.21947	350.63797	351.95637	11.71956	0.1690655	0.21601515	2.7509324	20	12 8.1	19.8
258110 2001 QW_{213}	16.0	X	217.41267	320.68281	337.83199	14.15973	0.1531792	0.23719970	2.5845998	20	1 28.1	20.3
258111 2001 QO_{222}	16.1	X	180.23104	25.16345	295.22833	6.83612	0.1987383	0.23524534	2.5988947	20	1 19.9	20.4
258112 2001 QZ_{227}	16.4	X	102.95339	119.87089	291.82464	10.37761	0.3073810	0.23150422	2.6268188	20	3 5.4	20.3
258113 2001 QY_{228}	16.5	X	192.77159	105.24342	211.78482	6.86185	0.2274331	0.23610776	2.5925624	20	1 25.0	21.0
258114 2001 QG_{237}	16.0	X	123.65951	304.20267	354.52518	11.40892	0.1464771	0.22230319	2.6988096	20	—	—
258115 2001 QT_{252}	16.4	X	116.14057	17.09696	349.50179	11.49914	0.2003005	0.23022951	2.6365057	20	1 17.9	20.2
258116 2001 QV_{253}	16.0	X	176.39678	201.08390	133.45381	15.89039	0.1313044	0.23630943	2.5910871	20	1 29.7	20.0
258117 2001 QM_{260}	16.1	X	184.48810	79.14343	258.62781	7.32669	0.2014290	0.23568202	2.5956836	20	2 10.2	20.6
258118 2001 QG_{276}	16.5	X	179.92127	317.87693	38.10821	6.52614	0.1989855	0.23851449	2.5750927	20	3 4.5	20.8
258119 2001 QR_{280}	16.4	X	115.81968	246.54446	116.52369	13.74243	0.2847176	0.22832097	2.6511777	20	1 21.8	20.3
258120 2001 QY_{280}	16.1	X	159.51958	13.65309	16.23941	12.64623	0.1774070	0.23928715	2.5695464	20	3 25.6	20.1
258121 2001 QB_{288}	15.7	X	119.86358	72.54949	298.09962	10.14558	0.3281192	0.22865472	2.6485974	20	2 6.9	19.9
258122 2001 QX_{292}	16.2	X	156.20030	57.20755	276.17153	7.78487	0.1549404	0.23013254	2.6372463	20	1 11.0	20.3
258123 2001 QK_{293}	16.0	X	106.55392	103.17966	330.55814	28.25247	0.3758636	0.23255307	2.6189146	20	4 1.1	20.7
258124 2001 QX_{327}	16.7	X	158.37320	316.61360	13.65155	5.58162	0.2195182	0.23315027	2.6144405	20	1 16.0	20.9
258125 2001 QB_{328}	16.1	X	112.41953	128.62186	294.22345	12.66500	0.2534222	0.23099969	2.6306422	20	3 20.4	20.4
258126 2001 RV_{15}	15.7	X	314.24096	4.62688	235.22941	27.56153	0.0999763	0.24177733	2.5518727	20	2 18.3	19.8
258127 2001 RY_{20}	16.6	X	184.17455	162.50124	166.13150	4.86434	0.1153158	0.23603059	2.5931274	20	1 28.7	20.6
258128 2001 RQ_{23}	15.7	X	197.98237	339.29523	345.14357	30.09377	0.1367868	0.23741730	2.5830202	20	2 16.5	20.0
258129 2001 RX_{24}	15.9	X	12.02689	297.51301	167.37053	12.80043	0.1158158	0.22801462	2.6535519	20	—	—
258130 2001 RB_{25}	17.5	X	205.26635	126.74277	236.53797	1.33801	0.1872973	0.24259565	2.5461308	20	3 30.7	21.8
258131 2001 RH_{31}	16.6	X	137.85587	242.63798	174.64836	9.51530	0.1971637	0.23839889	2.5759251	20	4 9.7	20.7
258132 2001 RN_{42}	16.2	X	47.86740	122.69121	311.27873	12.66266	0.1112336	0.22675564	2.6633647	20	—	—
258133 2001 RP_{48}	15.9	X	157.24103	269.36002	102.03896	18.21723	0.1763024	0.23390303	2.6088282	20	3 5.9	20.4
258134 2001 RW_{54}	16.6	X	83.65605	264.50476	175.76137	3.46133	0.0755567	0.23515941	2.5995278	20	2 15.9	19.8
258135 2001 RL_{64}	16.4	X	84.81219	65.18277	297.79042	6.85864	0.1653086	0.22327819	2.6909472	20	—	—
258136 2001 RU_{65}	16.6	X	164.73843	100.15261	225.21768	6.44369	0.2415545	0.23136784	2.6278509	20	1 14.7	21.0
258137 2001 RM_{68}	16.9	X	138.60997	84.36587	247.76391	5.22849	0.2607830	0.22788802	2.6545346	20	1 3.5	21.0
258138 2001 RY_{84}	16.6	X	153.39652	117.23037	288.64826	3.31902	0.2107497	0.23886063	2.5726044	20	4 7.4	20.9
258139 2001 RM_{110}	17.2	X	214.35830	207.99383	97.80688	1.77540	0.1689691	0.23769183	2.5810309	20	1 30.8	21.5
258140 2001 RY_{111}	17.0	X	26.88902	249.28698	106.84533	1.36168	0.0826070	0.21559320	2.7545205	20	12 4.6	20.6
258141 2001 RF_{112}	14.7	X	143.20397	287.13288	50.50938	2.17529	0.1944004	0.12463287	3.9693036	20	1 21.2	21.0
258142 2001 RP_{113}	16.4	X	66.85278	329.37929	2.97487	8.55681	0.1330467	0.21851586	2.7299042	20	12 31.2	20.6
258143 2001 RV_{117}	17.0	X	177.20640	160.76183	161.38483	2.44126	0.1091897	0.23305305	2.6151676	20	1 14.4	20.8
258144 2001 RW_{120}	14.6	X	137.13416	318.97991	27.97143	3.69096	0.2526745	0.12419199	3.9786920	20	1 31.4	21.0
258145 2001 RY_{130}	16.8	X	359.74752	276.74246	140.39735	3.99346	0.1914572	0.21709454	2.7418064	20	—	—
258146 2001 RF_{133}	15.8	X	125.57607	73.90100	49.17380	4.84263	0.1086106	0.24594661	2.5229510	20	6 10.7	19.3
258147 2001 RV_{145}	16.6	X	178.73919	315.89803	326.61703	12.52207	0.2490133	0.22996906	2.6384960	20	—	—
258148 2001 RY_{149}	14.8	X	137.44194	222.49100	111.78742	4.05761	0.2087490	0.12360079	3.9913690	20	1 13.6	20.9
258149 2001 SM_{4}	15.7	X	158.11294	131.65581	210.92952	10.36041	0.1707282	0.23384715	2.6092438	20	1 22.5	19.9
258150 2001 ST_{6}	16.7	X	230.68285	82.31286	170.98716	4.12907	0.0231048	0.23041880	2.6350616	20	—	—
258151 2001 SX_{11}	17.0	X	113.45427	255.02822	164.78241	5.94393	0.2989969	0.23362761	2.6108781	20	3 30.9	21.1
258152 2001 SA_{25}	17.0	X	142.45868	355.19190	9.76008	2.35893	0.1455867	0.23190145	2.6238182	20	2 4.5	20.8
258153 2001 SB_{25}	17.7	X	119.07406	215.59805	181.52714	4.94771	0.2761143	0.23129455	2.6284060	20	3 4.2	21.6
258154 2001 SO_{43}	15.3	X	172.68824	257.20126	11.54286	25.41515	0.2905125	0.17373414	3.1808701	20	—	—
258155 2001 SZ_{57}	16.3	X	80.92965	221.95864	191.86539	15.48846	0.1454458	0.22732698	2.6589004	20	1 17.1	19.8
258156 2001 SA_{59}	16.0	X	147.46107	287.43506	32.72396	12.77008	0.1875602	0.22616326	2.6680134	20	—	—
258157 2001 SS_{59}	16.7	X	96.58715	179.11921	191.35048	13.38660	0.1743795	0.22390778	2.6859005	20	—	—
258158 2001 SQ_{63}	16.7	X	357.96862	17.79656	25.22823	9.43692	0.3084090	0.21225555	2.7833213	20	—	—
258159 2001 SK_{67}	17.1	X	77.39115	240.76664	180.48766	7.62762	0.3466167	0.22494966	2.6776007	20	2 25.2	20.2
258160 2001 SH_{75}	16.0	X	121.72516	344.04494	356.08260	13.87750	0.1875148	0.22523755	2.6753187	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
258161 2001 SE_{84}	16.7	X	136.22054	31.99143	306.63364	3.83730	0.1127968	0.22964460	2.6409807	20	—	—
258162 2001 SU_{85}	16.8	X	232.17456	68.91823	287.84370	3.37879	0.0485942	0.24581837	2.5238284	20	4 25.5	20.3
258163 2001 SB_{91}	16.2	X	176.19206	241.52231	336.78304	9.63917	0.0774414	0.21788486	2.7351723	20	11 30.1	20.4
258164 2001 SL_{97}	16.8	X	3.79289	94.74846	291.24802	2.46320	0.1023048	0.21481076	2.7612053	20	12 12.8	20.2
258165 2001 SC_{98}	17.1	X	46.35236	68.81653	272.19696	2.29849	0.1518603	0.21582997	2.7525056	20	12 20.1	20.8
258166 2001 SY_{104}	17.2	X	211.16548	350.07780	347.25709	7.18375	0.2342208	0.23942674	2.5685476	20	3 4.5	21.5
258167 2001 SF_{116}	16.1	X	127.97451	216.39640	160.07553	12.61174	0.1522424	0.23111804	2.6297441	20	2 1.9	19.9
258168 2001 SE_{118}	16.2	X	327.71385	74.66572	305.32991	6.56603	0.1078367	0.20908435	2.8113939	20	10 2.5	19.6
258169 2001 SR_{121}	16.6	X	122.88816	166.33300	217.14604	6.97012	0.1899376	0.23162116	2.6259345	20	2 8.3	20.5
258170 2001 SJ_{129}	16.6	X	139.60378	36.75385	338.02590	8.37917	0.2083865	0.23282546	2.6168715	20	2 19.7	20.7
258171 2001 SX_{132}	15.8	X	101.56629	270.54899	228.50559	2.70728	0.0769976	0.24473842	2.5312475	20	5 30.3	19.2
258172 2001 SJ_{133}	16.3	X	143.31390	66.60402	334.68679	4.36344	0.1200718	0.23646749	2.5899324	20	3 16.7	20.1
258173 2001 SK_{134}	16.4	X	115.05479	201.18440	187.52610	14.55166	0.1909372	0.23040891	2.6351371	20	2 5.8	20.3
258174 2001 SF_{145}	16.9	X	215.13476	50.00370	250.89271	2.53441	0.2451003	0.23680990	2.5874352	20	1 24.3	21.4
258175 2001 SO_{146}	16.1	X	53.68288	260.04199	184.64079	14.27244	0.0266650	0.23002784	2.6380465	20	1 5.8	19.8
258176 2001 SC_{153}	16.7	X	113.68206	59.21912	348.52250	4.19864	0.2884403	0.23066040	2.6332213	20	3 13.9	20.6
258177 2001 SW_{153}	16.5	X	121.73871	183.90865	195.13365	4.70275	0.1401354	0.22958024	2.6414742	20	1 27.6	20.2
258178 2001 SS_{159}	17.2	X	85.73589	144.82875	251.27059	2.28950	0.2271754	0.22613510	2.6682349	20	1 16.5	20.2
258179 2001 SL_{166}	16.9	X	5.64024	32.19445	357.15929	4.67487	0.0869894	0.21555399	2.7548545	20	12 18.0	20.3
258180 2001 SY_{170}	16.6	X	87.01580	137.08689	265.48482	3.22639	0.2296097	0.22790857	2.6543750	20	1 26.7	19.7
258181 2001 SQ_{178}	15.7	X	143.54558	304.76637	49.75197	14.33154	0.1835348	0.22865669	2.6485821	20	1 31.9	20.0
258182 2001 ST_{179}	16.0	X	182.00076	270.71227	70.21489	4.54101	0.2717118	0.23875911	2.5733335	20	2 18.6	20.6
258183 2001 SG_{185}	16.8	X	69.86394	284.07984	152.22442	4.37465	0.2529457	0.22996708	2.6385112	20	2 17.5	19.5
258184 2001 SJ_{190}	16.8	X	124.51993	181.41176	158.18701	9.69494	0.0769717	0.22773806	2.6556998	20	—	—
258185 2001 SE_{194}	17.0	X	109.64078	130.40575	174.29943	3.48307	0.0925892	0.22074644	2.7114831	20	—	—
258186 2001 SG_{194}	16.6	X	348.27735	205.00437	194.12179	1.44980	0.1573704	0.21396848	2.7684468	20	12 11.8	19.6
258187 2001 SG_{196}	16.5	X	73.38118	314.08726	173.30101	11.46712	0.1337216	0.23916842	2.5703967	20	4 16.3	19.6
258188 2001 SD_{208}	17.1	X	151.28172	9.44347	38.55930	2.47563	0.1234647	0.23870625	2.5737135	20	4 4.3	20.8
258189 2001 SX_{218}	17.1	X	27.73004	313.35270	29.45010	2.29843	0.1960320	0.21295533	2.7772205	20	12 4.6	20.7
258190 2001 SZ_{222}	16.9	X	129.94362	234.95306	163.34859	1.69585	0.1624829	0.23341644	2.6124526	20	3 4.4	20.6
258191 2001 SU_{233}	16.8	X	101.79297	309.81549	84.64246	2.46389	0.1023594	0.22791362	2.6543358	20	1 18.5	20.2
258192 2001 SF_{234}	17.1	X	122.58664	269.76171	128.32754	1.83906	0.1876514	0.23121898	2.6289787	20	2 28.9	21.0
258193 2001 SU_{242}	16.4	X	84.80037	223.39341	185.67128	12.89033	0.1433479	0.22706625	2.6609353	20	1 17.1	19.9
258194 2001 SA_{250}	15.6	X	296.85055	157.22226	186.75577	11.93956	0.0716389	0.19654138	2.9297690	20	6 30.5	19.7
258195 2001 SM_{273}	17.0	X	312.32624	133.14423	10.10248	3.80764	0.0260741	0.22265217	2.6959888	20	—	—
258196 2001 SP_{278}	16.4	X	34.94706	165.06884	243.96328	6.50126	0.3008204	0.21820053	2.7325336	20	—	—
258197 2001 SW_{285}	15.4	X	113.51873	280.41345	87.43748	17.75760	0.3082038	0.22742385	2.6581452	20	1 30.4	19.5
258198 2001 SL_{288}	16.3	X	171.35143	102.28124	232.74857	7.65201	0.1248542	0.23250824	2.6192512	20	1 23.4	20.4
258199 2001 SR_{304}	16.7	X	176.94042	109.34188	200.24862	7.74493	0.1502837	0.23023592	2.6364568	20	1 1.6	21.0
258200 2001 SN_{305}	16.2	X	61.84636	243.39335	198.88828	13.98190	0.0734405	0.22923962	2.6440902	20	1 16.3	19.7
258201 2001 SM_{306}	16.6	X	190.11986	65.73524	221.75535	4.01614	0.2021329	0.22958474	2.6414397	20	—	—
258202 2001 SS_{314}	16.0	X	350.99657	105.80125	330.94265	8.38599	0.1615852	0.21585984	2.7522517	20	—	—
258203 2001 SU_{315}	16.2	X	83.52286	84.53437	346.79839	11.42464	0.2721708	0.22634825	2.6665596	20	3 7.3	19.4
258204 2001 SH_{318}	16.5	X	342.42950	193.47039	214.59002	3.24812	0.0950679	0.21333748	2.7739031	20	12 8.2	19.7
258205 2001 ST_{326}	16.0	X	100.51521	159.32503	331.76237	4.98154	0.0852076	0.24545656	2.5263079	20	5 17.3	19.4
258206 2001 SW_{326}	16.8	X	205.86054	297.13950	352.12552	10.73379	0.0953096	0.23302842	2.6153518	20	1 4.8	20.9
258207 2001 SJ_{332}	16.9	X	130.21365	297.55167	69.50086	3.14729	0.1825817	0.23133808	2.6280763	20	1 29.6	20.7
258208 2001 ST_{335}	16.4	X	344.52144	257.09977	327.44458	2.75584	0.0402660	0.24389994	2.5370455	20	3 31.6	19.6
258209 2001 SF_{348}	16.1	X	236.16590	25.23219	261.99927	8.36622	0.1126587	0.23547709	2.5971893	20	1 27.8	20.2
258210 2001 SA_{350}	16.3	X	230.60381	278.42618	275.33221	2.81401	0.0330204	0.21900900	2.7258048	20	—	—
258211 2001 SR_{351}	16.3	X	88.88601	335.63354	101.56110	9.18605	0.1659911	0.23016497	2.6369986	20	3 9.7	19.7
258212 2001 SQ_{354}	16.6	X	107.77629	341.81958	64.38650	4.96680	0.2117284	0.23081830	2.6320202	20	2 27.8	20.3
258213 2001 TT_{4}	16.7	X	345.00732	175.72295	188.93593	3.29705	0.1084605	0.20830760	2.8183784	20	10 15.0	19.9
258214 2001 TN_{5}	16.5	X	234.62355	197.68816	84.53928	5.96690	0.2469975	0.23815241	2.5777021	20	1 17.9	21.0
258215 2001 TP_{11}	16.8	X	62.40522	58.09552	352.08809	1.05047	0.1508885	0.22419688	2.6835911	20	—	—
258216 2001 TM_{17}	15.9	X	134.97416	274.03004	50.26527	13.29680	0.2804921	0.22593735	2.6697916	20	—	—
258217 2001 TL_{19}	15.5	X	125.63251	87.25431	254.39609	12.22404	0.1868125	0.22436771	2.6822287	20	—	—
258218 2001 TV_{26}	16.1	X	115.23477	173.47582	238.58190	9.26875	0.1802049	0.23127522	2.6285525	20	3 3.6	20.0
258219 2001 TW_{33}	15.8	X	125.54878	172.94820	251.49276	13.43060	0.1301059	0.23214108	2.6220122	20	3 22.9	19.8
258220 2001 TV_{35}	15.6	X	287.63252	36.20031	28.71391	9.14779	0.2071003	0.20222176	2.8746443	20	9 19.2	19.0
258221 2001 TE_{58}	16.5	X	144.24192	114.83700	202.49814	11.54720	0.2544477	0.22685431	2.6625924	20	—	—
258222 2001 TH_{60}	17.1	X	115.87203	354.43151	44.73452	2.95054	0.2165945	0.23014896	2.6371209	20	2 27.7	20.9
258223 2001 TH_{61}	15.9	X	96.48248	347.11653	47.75153	14.90989	0.1648263	0.22629546	2.6669742	20	1 25.1	19.6
258224 2001 TE_{62}	16.1	X	134.38869	315.76857	58.60176	3.12905	0.0994645	0.22977029	2.6400175	20	2 2.5	19.7
258225 2001 TH_{64}	15.8	X	80.95093	257.11064	213.12566	28.06477	0.3326849	0.22997968	2.6384148	20	5 3.7	19.4
258226 2001 TB_{67}	16.3	X	26.03766	296.39340	48.09764	8.38753	0.2305596	0.21077191	2.7963674	20	12 8.5	19.9
258227 2001 TZ_{75}	16.0	X	97.13769	331.63560	45.28807	13.23520	0.1774220	0.22396085	2.6854762	20	1 1.5	19.6
258228 2001 TO_{82}	16.3	X	65.27655	201.24230	212.77910	13.44996	0.2405105	0.22482942	2.6785553	20	1 4.8	19.1
258229 2001 TN_{83}	17.1	X	116.28537	94.10419	244.14957	3.86854	0.2043831	0.22487064	2.6782280	20	—	—
258230 2001 TL_{88}	15.5	X	136.60124	207.12397	219.27609	9.10533	0.0723444	0.18501852	3.0501831	20	4 8.1	20.1
258231 2001 TN_{101}	17.0	X	98.45458	166.28625	158.25490	3.00663	0.1813693	0.22001485	2.7174906	20	—	—
258232 2001 TF_{110}	16.2	X	75.96349	170.32444	248.55942	5.15985	0.1441936	0.22589422	2.6701315	20	1 18.0	19.3
258233 2001 TP_{110}	16.1	X	96.95211	178.55674	257.16392	5.20066	0.2723715	0.22967155	2.6407740	20	3 27.1	19.9
258234 2001 TK_{113}	16.5	X	176.89322	54.03506	309.66344	3.70674	0.1889855	0.23524280	2.5989135	20	3 6.9	20.8
258235 2001 TG_{116}	16.0	X	73.93423	10.21838	28.94424	6.99146	0.2575661	0.22190394	2.7020458	20	1 8.1	18.8
258236 2001 TZ_{117}	15.9	X	159.74077	94.03992	231.22870	12.14714	0.2280706	0.22943937	2.6425553	20	1 8.9	20.4
258237 2001 TF_{119}	17.0	X	17.96313	88.75678	256.45558	13.36308	0.2743690	0.21116799	2.7928696	20	12 5.9	20.4
258238 2001 TA_{121}	16.3	X	99.05006	97.89547	273.60517	10.09064	0.1944980	0.22446791	2.6814305	20	—	—
258239 2001 TX_{121}	13.0	X	182.22106	134.43428	281.03200	14.29258	0.0340739	0.08271340	5.2169756	20	5 15.4	20.2
258240 2001 TP_{134}	16.3	X	197.21170	88.25627	281.00085	7.12045	0.1671869	0.24140158	2.5545200	20	3 27.9	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
258241 2001 TY_{136}	16.0	X	330.92977	289.47869	113.74743	10.32912	0.1715024	0.21072409	2.7967904	20	11 17.9	19.0
258242 2001 TD_{141}	16.4	X	189.11673	238.93834	70.41904	5.00669	0.1487251	0.23183039	2.6243543	20	1 13.5	20.5
258243 2001 TC_{143}	16.6	X	117.62534	8.31438	78.48597	4.84553	0.1654037	0.23665416	2.5885702	20	4 23.5	20.3
258244 2001 TC_{155}	17.0	X	49.81490	166.14445	222.85284	3.03711	0.1074638	0.21805487	2.7337504	20	—	—
258245 2001 TH_{160}	16.2	X	80.93633	208.25457	228.21793	5.40176	0.1695320	0.22794480	2.6540938	20	2 20.2	19.5
258246 2001 TB_{163}	17.5	X	208.83812	52.02389	288.69192	1.30843	0.1868035	0.23869189	2.5738167	20	3 6.5	21.7
258247 2001 TX_{165}	16.1	X	44.34136	82.77533	10.47916	12.64765	0.2342959	0.22361721	2.6882267	20	1 22.5	18.7
258248 2001 TJ_{168}	15.7	X	349.21756	0.30048	14.41588	15.68060	0.1372450	0.20642511	2.8354872	20	11 1.4	19.0
258249 2001 TK_{170}	15.1	X	188.67515	163.33947	223.24531	15.58658	0.1097645	0.18741991	3.0240727	20	4 15.3	19.9
258250 2001 TC_{171}	16.6	X	129.04211	99.59925	242.47754	6.73216	0.2342882	0.22724550	2.6595359	20	1 3.1	20.5
258251 2001 TZ_{178}	16.4	X	78.06222	169.82936	258.41784	5.87975	0.1673655	0.22771959	2.6558433	20	2 4.8	19.5
258252 2001 TA_{179}	16.2	X	67.71331	58.39238	357.08998	9.74594	0.1388932	0.22489360	2.6780457	20	1 1.9	19.4
258253 2001 TY_{179}	16.3	X	113.39307	348.65234	359.31293	5.68463	0.0550451	0.22304165	2.6928494	20	—	—
258254 2001 TQ_{181}	15.4	X	244.98614	110.47685	240.43473	9.32654	0.1181107	0.19042777	2.9921443	20	4 28.2	20.0
258255 2001 TN_{186}	16.3	X	341.60155	104.38373	22.32120	9.60476	0.1817884	0.21972241	2.7199013	20	—	—
258256 2001 TP_{189}	16.0	X	109.57773	194.54072	247.51658	8.88585	0.2082852	0.23186445	2.6240974	20	4 9.4	20.0
258257 2001 TF_{195}	16.6	X	201.92711	244.70862	103.41965	9.79545	0.1836179	0.23820619	2.5773141	20	3 14.6	21.0
258258 2001 TP_{202}	15.9	X	72.55846	15.41607	56.46960	18.27862	0.1350061	0.22819687	2.6521389	20	2 4.9	19.4
258259 2001 TN_{205}	16.2	X	98.20422	352.96401	120.23833	10.80334	0.1546063	0.23669662	2.5882607	20	5 6.7	19.9
258260 2001 TZ_{206}	16.5	X	10.48067	209.07387	190.18600	10.81717	0.1200244	0.21580824	2.7526904	20	—	—
258261 2001 TJ_{212}	16.4	X	113.23337	144.14008	279.38194	10.08989	0.1805257	0.23236300	2.6203425	20	3 14.4	20.3
258262 2001 TJ_{216}	16.3	X	339.93007	145.34233	290.14350	10.16470	0.1683591	0.21290693	2.7776414	20	—	—
258263 2001 TS_{218}	16.6	X	99.99780	194.80599	153.16558	5.28504	0.2207903	0.22256622	2.6966829	20	—	—
258264 2001 TM_{220}	16.2	X	177.38727	284.65175	2.18751	14.31889	0.0765599	0.22487608	2.6781848	20	—	—
258265 2001 TX_{228}	16.1	X	98.26702	90.62287	271.11799	12.05462	0.2335273	0.22370926	2.6874893	20	—	—
258266 2001 TV_{231}	17.0	X	153.68005	93.75422	221.13773	5.32410	0.1190199	0.22555510	2.6728071	20	—	—
258267 2001 TY_{233}	16.7	X	116.81456	53.64512	325.81399	1.17097	0.1044316	0.22807186	2.6531079	20	1 18.9	20.3
258268 2001 TF_{235}	16.2	X	63.90155	279.52900	128.54695	8.33337	0.0719403	0.22337812	2.6901446	20	—	—
258269 2001 TB_{236}	16.1	X	93.53150	298.25770	88.02325	8.94172	0.1569720	0.22471759	2.6794439	20	1 5.1	19.3
258270 2001 TW_{245}	17.7	X	73.93109	358.20960	359.40208	1.74957	0.1068082	0.22117671	2.7079654	20	—	—
258271 2001 TM_{257}	17.0	X	166.22256	274.90000	116.57527	4.88164	0.0834190	0.23758157	2.5818294	20	3 29.5	20.8
258272 2001 TN_{258}	15.9	X	104.39145	290.00609	82.36957	12.45969	0.1761588	0.22359650	2.6883927	20	1 5.3	19.4
258273 2001 TF_{259}	16.1	X	103.89685	270.53240	53.13236	7.17835	0.0598653	0.22115159	2.7081705	20	—	—
258274 2001 US	16.3	X	175.57174	66.95595	227.66919	29.75105	0.2774479	0.23148026	2.6270000	20	—	—
258275 2001 UV_{8}	16.1	X	70.90931	226.64432	214.76864	16.89120	0.1415465	0.22999313	2.6383119	20	2 3.2	19.6
258276 2001 UG_{12}	16.7	X	118.91485	71.67610	314.86583	1.81624	0.1589042	0.22873999	2.6479391	20	2 6.6	20.4
258277 2001 UV_{18}	16.5	X	186.07506	232.10191	114.43650	4.42592	0.0672170	0.23660745	2.5889109	20	2 21.6	20.1
258278 2001 UE_{20}	16.2	X	27.85600	65.45083	39.62046	22.67387	0.0641204	0.22758616	2.6568813	20	—	—
258279 2001 UZ_{23}	16.1	X	169.41504	107.68950	256.52508	10.13930	0.1895214	0.23490840	2.6013793	20	2 26.4	20.6
258280 2001 UG_{24}	16.2	X	346.68937	55.75240	2.04600	14.50634	0.3002321	0.21208506	2.7848128	20	—	—
258281 2001 UD_{36}	16.5	X	103.30082	245.68129	141.97378	7.73843	0.2866026	0.22584658	2.6705069	20	2 7.7	20.2
258282 2001 UP_{36}	15.6	X	126.65713	276.28626	79.32578	11.55241	0.1448618	0.22628469	2.6670589	20	1 6.9	19.3
258283 2001 UC_{37}	15.8	X	136.24965	331.57477	79.30467	15.72050	0.1287076	0.23267185	2.6180232	20	4 1.4	20.0
258284 2001 UP_{37}	16.6	X	144.50539	91.61145	305.21425	5.76804	0.1731489	0.23520023	2.5992270	20	3 15.6	20.7
258285 2001 UV_{41}	16.6	X	86.42000	355.96525	75.94315	3.26064	0.1923494	0.22854213	2.6494672	20	2 29.9	19.9
258286 2001 UT_{43}	16.2	X	65.21942	349.14588	44.13325	6.71760	0.0500731	0.22178903	2.7029790	20	—	—
258287 2001 UD_{54}	17.3	X	62.60748	276.00796	152.33148	1.38297	0.2871487	0.22417123	2.6837958	20	1 29.9	19.7
258288 2001 UL_{64}	15.7	X	75.23610	206.84843	239.51298	12.03123	0.1473768	0.22913412	2.6449017	20	2 17.8	19.2
258289 2001 UU_{70}	16.8	X	108.56078	145.17559	219.42171	4.18996	0.0089293	0.22289958	2.6939936	20	—	—
258290 2001 UY_{72}	17.4	X	94.28030	235.53988	132.11875	4.98469	0.2560075	0.22408310	2.6844994	20	—	—
258291 2001 UX_{79}	16.6	X	98.09367	16.18655	59.50041	2.99844	0.1946681	0.23026580	2.6362288	20	3 21.4	20.2
258292 2001 UX_{82}	16.8	X	86.27204	270.40705	155.21655	1.14731	0.2006533	0.22722269	2.6597139	20	2 21.2	19.8
258293 2001 UF_{90}	17.2	X	126.84752	347.19015	349.37947	1.68009	0.0751151	0.22522721	2.6754006	20	—	—
258294 2001 UQ_{91}	16.8	X	359.90474	192.86793	205.57034	5.39285	0.0882085	0.21343134	2.7730897	20	12 21.1	20.3
258295 2001 UX_{92}	16.9	X	97.81269	8.30519	0.47526	6.11559	0.0396740	0.22382331	2.6865762	20	—	—
258296 2001 UJ_{95}	17.2	X	104.86647	87.64347	271.21123	2.45190	0.2277407	0.22353110	2.6889171	20	—	—
258297 2001 UO_{95}	16.3	X	107.75725	11.17077	29.81052	11.71391	0.1743993	0.22800886	2.6535966	20	2 19.4	20.1
258298 2001 UT_{99}	17.2	X	70.71287	253.61543	135.63765	1.83101	0.2202058	0.22167534	2.7039031	20	—	—
258299 2001 UG_{100}	15.9	X	137.06703	109.93700	203.79895	13.13706	0.2366236	0.22386934	2.6862080	20	—	—
258300 2001 UK_{100}	16.3	X	78.11450	59.02016	63.29816	6.81652	0.2270569	0.23269754	2.6178305	20	4 30.8	19.6
258301 2001 UB_{107}	16.4	X	163.41922	323.37325	48.91279	5.13189	0.1703513	0.23336579	2.6128306	20	3 8.4	20.6
258302 2001 UY_{122}	16.5	X	144.01170	149.34944	207.82794	1.33648	0.2820936	0.22866544	2.6485146	20	2 8.3	20.9
258303 2001 UK_{136}	16.3	X	116.75999	334.65185	52.72103	4.56516	0.2800423	0.22723602	2.6596099	20	2 22.8	20.3
258304 2001 UH_{138}	16.7	X	72.88768	318.92482	42.55230	7.03485	0.0382419	0.21871400	2.7282552	20	—	—
258305 2001 UL_{141}	16.2	X	325.03199	14.77717	38.34982	4.34889	0.0973990	0.20905334	2.8116719	20	11 15.2	19.6
258306 2001 UR_{158}	16.1	X	179.82297	268.27113	72.55168	7.64123	0.1995105	0.23123343	2.6288692	20	2 16.0	20.6
258307 2001 UC_{165}	16.7	X	27.30822	173.57364	153.48804	10.22886	0.2673269	0.21146463	2.7902571	20	11 27.2	20.5
258308 2001 US_{169}	13.9	X	184.42404	23.99786	282.26439	7.37095	0.1469782	0.12375435	3.9880665	20	1 17.5	20.2
258309 2001 UM_{171}	16.8	X	103.21217	198.56268	191.61969	3.36335	0.0709428	0.22667959	2.6639604	20	1 9.7	20.3
258310 2001 UN_{173}	16.2	X	8.84790	79.04310	48.81001	7.21384	0.2093292	0.22295165	2.6935740	20	—	—
258311 2001 UY_{185}	16.6	X	334.29440	23.99332	21.57273	9.50007	0.1133826	0.21203709	2.7852328	20	11 19.8	19.8
258312 2001 UX_{190}	16.8	X	42.66493	39.71534	355.62700	6.10949	0.0354365	0.22065478	2.7122340	20	—	—
258313 2001 UC_{192}	15.7	X	114.88641	223.72312	269.78673	13.71698	0.0448783	0.24462055	2.5320606	20	6 4.4	19.1
258314 2001 UK_{192}	16.9	X	90.07800	55.00059	297.54837	10.06736	0.3113453	0.22250522	2.6971758	20	—	—
258315 2001 UC_{193}	16.1	X	154.61627	248.70060	86.55530	13.58545	0.2640408	0.23101188	2.6305497	20	1 22.2	20.6
258316 2001 UJ_{199}	15.9	X	97.32748	31.37804	42.32398	14.07556	0.1524271	0.23232045	2.6206625	20	3 17.2	19.6
258317 2001 UY_{199}	16.6	X	54.04496	155.02880	8.70721	5.48776	0.0750971	0.23946875	2.5682472	20	4 24.6	19.6
258318 2001 UW_{203}	17.1	X	114.16296	139.36141	302.96253	2.08039	0.2064612	0.23353729	2.6115513	20	4 16.2	21.0
258319 2001 UR_{204}	16.7	X	185.06197	334.02479	14.13657	4.81624	0.1449805	0.23379740	2.6096140	20	2 25.9	20.8
258320 2001 UH_{206}	17.0	X	6.47296	72.30106	346.82584	5.28124	0.0642375	0.21846540	2.7303246	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
258321 2001 UX_{220}	16.3	X	350.43273	243.84848	232.07769	4.20688	0.1291360	0.21869581	2.7284065	20	—	—
258322 2001 UA_{225}	16.4	X	230.05161	197.46937	83.17174	8.22923	0.2522511	0.23417048	2.6068415	20	1 12.9	20.9
258323 2001 UR_{225}	16.6	X	147.89789	325.84581	101.80850	4.87734	0.1836306	0.23857383	2.5746657	20	5 1.4	20.7
258324 2001 UP_{230}	16.5	X	71.53384	24.31245	94.06834	6.45723	0.3031836	0.23088581	2.6315072	20	4 29.9	19.8
258325 2001 VB_{2}	18.8	X	94.97898	319.74452	50.05645	7.93763	0.3955249	0.43737822	1.7188235	20	—	—
258326 2001 VH_{6}	16.0	X	8.43559	86.20935	42.12053	11.96025	0.1445205	0.22356006	2.6886849	20	—	—
258327 2001 VV_{6}	17.2	X	158.89599	130.50538	231.91346	3.13083	0.2496562	0.23215189	2.6219308	20	2 22.8	21.6
258328 2001 VC_{14}	16.8	X	79.87379	167.03813	273.16502	8.46798	0.2262751	0.22663549	2.6643060	20	3 1.7	20.2
258329 2001 VO_{17}	16.3	X	71.83642	181.81246	265.20952	11.08437	0.1502650	0.22377319	2.6869774	20	2 15.1	19.7
258330 2001 VQ_{21}	15.6	X	256.63398	215.95000	228.40561	9.69950	0.0991234	0.20114390	2.8849047	20	9 9.4	19.7
258331 2001 VK_{29}	16.8	X	56.92586	14.69260	76.57404	4.93023	0.2550231	0.22364350	2.6880160	20	2 17.7	19.3
258332 2001 VW_{67}	16.5	X	153.80320	92.82173	290.56292	6.22156	0.2037855	0.23380343	2.6095691	20	3 9.9	20.9
258333 2001 VA_{68}	16.0	X	121.28930	70.54635	293.20723	9.72899	0.3685316	0.22824912	2.6517341	20	2 4.3	20.3
258334 2001 VD_{68}	15.9	X	134.87588	118.06054	269.98766	11.11883	0.2743703	0.23163458	2.6258331	20	3 2.2	20.4
258335 2001 VJ_{68}	15.6	X	107.90795	60.14555	296.57734	12.85543	0.1479476	0.22316020	2.6918957	20	—	—
258336 2001 VL_{68}	16.3	X	69.41110	60.17076	349.18257	12.40055	0.1380614	0.22331947	2.6906156	20	—	—
258337 2001 VK_{72}	17.1	X	69.51643	107.00789	312.27184	2.95262	0.1438303	0.22544040	2.6737136	20	1 9.6	20.1
258338 2001 VS_{72}	16.5	X	13.20943	235.60928	6.55676	2.25155	0.0792963	0.24607616	2.5220655	20	6 11.6	19.2
258339 2001 VU_{77}	16.3	X	325.78150	103.30179	53.56788	12.78557	0.1412911	0.22133714	2.7066567	20	—	—
258340 2001 VG_{85}	16.3	X	16.50024	109.28914	348.81697	6.86846	0.0572725	0.22197172	2.7014957	20	—	—
258341 2001 VK_{90}	16.4	X	111.60987	322.25783	93.38938	13.11943	0.2565423	0.22958744	2.6414190	20	3 25.2	20.6
258342 2001 VQ_{90}	16.2	X	93.01865	332.14121	93.25972	14.06684	0.1473322	0.22785322	2.6548049	20	2 27.6	19.8
258343 2001 VQ_{95}	16.2	X	69.49735	2.93628	99.98511	12.17534	0.1298788	0.22859586	2.6490519	20	3 11.6	19.6
258344 2001 VK_{101}	16.3	X	45.79851	180.75726	259.34360	6.50661	0.1361920	0.22256636	2.6966817	20	—	—
258345 2001 VL_{101}	16.2	X	68.89748	146.90011	258.91079	5.16736	0.1456113	0.22228511	2.6989560	20	—	—
258346 2001 VN_{101}	16.5	X	110.56915	96.94916	257.29745	6.60952	0.1231225	0.22212689	2.7002375	20	—	—
258347 2001 VP_{108}	17.4	X	85.15208	37.05479	299.95947	2.73775	0.0935767	0.32106386	2.1122327	20	—	—
258348 2001 VU_{109}	16.3	X	311.79535	35.04109	21.12271	2.13826	0.0517317	0.20557172	2.8433291	20	10 30.5	19.8
258349 2001 VA_{111}	16.3	X	61.52742	131.74405	281.53575	3.89473	0.1604489	0.22096233	2.7097167	20	—	—
258350 2001 VL_{111}	16.5	X	168.00137	8.31588	357.95146	1.47616	0.1013893	0.23078381	2.6322824	20	2 28.3	20.5
258351 2001 VH_{114}	15.5	X	133.25329	104.78151	256.98786	11.18206	0.2724368	0.22689771	2.6622529	20	1 31.7	20.0
258352 2001 WL	16.2	X	114.39666	173.07055	251.48367	4.32592	0.0640529	0.23341387	2.6124718	20	3 4.4	19.7
258353 2001 WZ_{2}	17.4	X	40.73995	18.77948	33.64506	1.83346	0.2521226	0.21966529	2.7203728	20	—	—
258354 2001 WQ_{8}	15.5	X	296.15479	156.49976	73.77791	12.79825	0.1719792	0.22783007	2.6549847	20	1 19.2	19.4
258355 2001 WM_{16}	17.0	X	80.73757	358.23481	22.27695	5.89218	0.1686776	0.22273525	2.6953184	20	—	—
258356 2001 WM_{42}	15.9	X	240.66218	345.48605	221.31700	10.75221	0.0799350	0.21766171	2.7370413	20	—	—
258357 2001 WM_{44}	16.2	X	86.61247	336.81730	87.51771	6.17471	0.0967714	0.22670879	2.6637317	20	2 5.9	19.5
258358 2001 WB_{48}	16.0	X	50.28800	8.40558	92.72069	11.19578	0.2997163	0.22389574	2.6859969	20	2 27.4	18.4
258359 2001 WL_{48}	15.7	X	57.27519	304.02106	106.60563	13.54486	0.0862646	0.22029170	2.7152133	20	—	—
258360 2001 WJ_{53}	15.8	X	309.35297	109.42225	43.81014	14.45104	0.1555671	0.21856993	2.7294539	20	—	—
258361 2001 WS_{58}	16.8	X	97.31018	140.60791	238.68400	2.42420	0.0659521	0.22318848	2.6916682	20	—	—
258362 2001 WO_{62}	17.1	X	112.34794	153.22910	266.21104	1.44550	0.0901587	0.22978504	2.6399045	20	2 29.9	20.7
258363 2001 WX_{64}	16.7	X	127.52778	329.63796	81.63363	2.40551	0.0718571	0.23323491	2.6138079	20	3 8.3	20.3
258364 2001 WA_{65}	16.5	X	110.96031	154.89381	212.62396	5.84344	0.0386113	0.22464136	2.6800500	20	—	—
258365 2001 WW_{65}	13.7	X	211.77527	45.99647	339.11256	1.07235	0.0683392	0.07943256	5.3596570	20	5 11.9	20.9
258366 2001 WL_{85}	16.3	X	74.98562	174.90626	228.88891	5.54456	0.0407823	0.22019617	2.7159986	20	—	—
258367 2001 WT_{87}	16.0	X	317.39901	304.70352	346.00085	3.48266	0.1595953	0.24348773	2.5399081	20	5 5.7	18.8
258368 2001 WQ_{89}	16.2	X	92.61168	357.46917	43.44997	8.41469	0.1039012	0.22395295	2.6855393	20	1 16.6	19.7
258369 2001 WV_{90}	15.6	X	219.70950	139.88886	281.44026	7.69125	0.1079864	0.19194273	2.9763793	20	6 30.5	19.9
258370 2001 WN_{96}	16.6	X	94.74044	294.48149	60.81345	7.37103	0.0374012	0.21788343	2.7351842	20	—	—
258371 2001 XS	15.5	X	124.21054	259.23525	95.92316	14.05451	0.3036454	0.22281089	2.6947084	20	1 24.2	19.7
258372 2001 XH_{3}	16.5	X	110.47902	308.80017	88.25219	14.23787	0.2585820	0.22658670	2.6646885	20	2 29.4	20.6
258373 2001 XC_{11}	15.9	X	0.18573	310.31051	154.92360	13.10241	0.1035539	0.21798476	2.7343366	20	—	—
258374 2001 XJ_{12}	16.2	X	340.15425	218.20081	275.69684	14.30699	0.2457059	0.21627672	2.7487138	20	—	—
258375 2001 XK_{13}	16.3	X	344.99339	86.61845	35.90196	5.66033	0.1108069	0.21652271	2.7466316	20	—	—
258376 2001 XN_{20}	15.3	X	184.19762	200.08769	313.83273	10.06012	0.0531606	0.19568714	2.9382891	20	9 16.1	19.8
258377 2001 XB_{21}	15.2	X	180.99746	116.41142	300.68571	14.90949	0.0656336	0.18173027	3.0868666	20	5 12.7	20.1
258378 2001 XC_{34}	16.0	X	43.97782	170.96165	296.16712	12.17462	0.1833176	0.22401625	2.6850334	20	1 31.3	18.7
258379 2001 XR_{34}	15.8	X	252.35387	28.10880	302.43322	13.33436	0.0861277	0.23689778	2.5867953	20	4 5.5	19.8
258380 2001 XB_{36}	15.6	X	101.65197	90.78450	277.35365	15.43294	0.2001298	0.22231712	2.6986969	20	—	—
258381 2001 XG_{40}	15.6	X	263.66185	26.19017	39.72161	11.79255	0.0852062	0.19650403	2.9301403	20	9 6.5	19.8
258382 2001 XC_{43}	15.7	X	90.82300	61.22154	299.32097	13.17598	0.1988367	0.21861730	2.7290596	20	—	—
258383 2001 XM_{52}	16.0	X	85.60006	277.37454	130.98827	9.61948	0.3487749	0.22362394	2.6881728	20	2 23.2	19.3
258384 2001 XX_{55}	16.6	X	93.06378	359.49734	102.36675	4.36043	0.1784180	0.22999503	2.6382974	20	4 16.7	20.1
258385 2001 XV_{56}	16.2	X	354.57214	237.92925	254.33770	7.36903	0.2289548	0.21810161	2.7333598	20	—	—
258386 2001 XF_{61}	15.8	X	41.34954	41.56351	85.50614	14.85386	0.1257545	0.22536961	2.6742735	20	2 27.6	19.0
258387 2001 XY_{66}	15.7	X	30.37787	128.52548	283.36332	12.05843	0.2079668	0.21285443	2.7780981	20	—	—
258388 2001 XU_{69}	16.1	X	101.21897	298.37522	74.32927	10.30018	0.1621908	0.22341395	2.6898570	20	—	—
258389 2001 XX_{73}	15.8	X	106.10201	10.53284	55.42231	15.14037	0.0929249	0.23117076	2.6293442	20	3 11.3	19.6
258390 2001 XQ_{74}	16.6	X	10.17557	325.28775	139.77716	7.14250	0.3055555	0.21756273	2.7378714	20	—	—
258391 2001 XN_{77}	16.2	X	353.24475	222.36598	230.74833	5.83559	0.0786026	0.21556012	2.7548023	20	—	—
258392 2001 XJ_{82}	16.6	X	63.99525	279.52677	134.59301	3.27729	0.1805574	0.22079492	2.7110863	20	—	—
258393 2001 XZ_{83}	15.3	X	108.11567	151.90882	236.17728	11.39689	0.1831740	0.22385676	2.6863086	20	1 26.9	19.2
258394 2001 XA_{88}	16.3	X	79.79264	343.78404	95.87648	5.28199	0.1930889	0.22275445	2.6951635	20	3 3.2	19.5
258395 2001 XO_{94}	16.0	X	127.98033	115.55991	265.85810	10.20039	0.2006613	0.22754141	2.6572296	20	2 11.3	20.1
258396 2001 XQ_{96}	15.6	X	334.79817	260.88722	262.43317	11.88047	0.1434129	0.21992949	2.7181937	20	—	—
258397 2001 XV_{101}	15.5	X	87.23736	87.81665	296.51733	7.37125	0.2657691	0.21968875	2.7201791	20	1 11.6	18.7
258398 2001 XR_{104}	17.6	X	228.05726	10.52201	67.54480	2.73626	0.0385233	0.30208135	2.1998181	20	8 20.4	20.0
258399 2001 XU_{111}	16.1	X	12.79564	351.29980	182.30495	7.12880	0.2493260	0.22491906	2.6778436	20	2 28.3	18.2
258400 2001 XM_{117}	16.2	X	355.59671	58.45636	87.56111	15.25469	0.2242618	0.21680222	2.7442704	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
258401 2001 XR_{122}	16.3	X	15.94357	238.47451	240.64238	16.09063	0.2165391	0.22116215	2.7080843	20	—	—
258402 2001 XX_{122}	15.9	X	218.41377	51.65352	232.08739	11.39078	0.0424815	0.22556471	2.6727312	20	1 8.7	19.9
258403 2001 XG_{125}	16.0	X	312.49940	118.90431	69.01546	12.11408	0.0206371	0.22443893	2.6816613	20	1 6.9	19.7
258404 2001 XF_{127}	15.5	X	307.49533	81.16868	81.21149	9.69111	0.1645346	0.21698153	2.7427583	20	—	—
258405 2001 XD_{134}	16.7	X	8.54712	324.25792	88.86479	5.90724	0.1578331	0.21243154	2.7817839	20	—	—
258406 2001 XT_{134}	16.1	X	315.46586	279.49118	257.15713	8.50745	0.3861224	0.21543911	2.7558338	20	—	—
258407 2001 XD_{135}	16.4	X	34.08393	246.60736	253.81588	7.00848	0.1889802	0.22554232	2.6729080	20	2 25.7	19.1
258408 2001 XH_{135}	16.5	X	130.84512	290.30091	95.22641	5.73730	0.0928882	0.22672120	2.6636344	20	2 12.5	20.2
258409 2001 XD_{139}	16.5	X	43.94700	176.69743	259.67639	13.76251	0.1576374	0.21976702	2.7195332	20	—	—
258410 2001 XG_{146}	16.8	X	330.31154	3.04636	91.61328	11.01542	0.1855938	0.21053008	2.7985084	20	—	—
258411 2001 XK_{147}	16.0	X	52.45935	220.61410	258.35714	13.37350	0.1469958	0.22549887	2.6732514	20	2 23.5	19.3
258412 2001 XH_{150}	16.3	X	297.78247	94.69200	84.95879	5.65507	0.0563975	0.21763509	2.7372645	20	—	—
258413 2001 XM_{150}	16.0	X	123.29641	141.12325	263.76409	4.08296	0.0651838	0.22679612	2.6630478	20	2 20.6	19.8
258414 2001 XY_{157}	15.6	X	249.34710	4.10826	103.71493	10.44539	0.1440990	0.19951004	2.9006336	20	10 3.0	19.8
258415 2001 XC_{161}	16.5	X	115.10345	100.21494	247.86076	4.52343	0.0086944	0.21691458	2.7433227	20	—	—
258416 2001 XK_{164}	16.5	X	74.34525	286.67404	103.22445	7.77630	0.1266827	0.21801059	2.7341205	20	—	—
258417 2001 XW_{176}	15.5	X	84.67130	239.81137	272.35002	8.48447	0.0675049	0.17926867	3.1150602	20	5 23.7	19.8
258418 2001 XB_{178}	15.7	X	164.73329	329.90615	107.08443	12.02035	0.1426810	0.18176180	3.0865097	20	5 28.1	20.8
258419 2001 XG_{181}	16.1	X	32.85502	114.32906	278.91107	6.08079	0.2334580	0.21179725	2.7873350	20	—	—
258420 2001 XM_{182}	16.0	X	28.46768	187.01641	265.41822	7.25493	0.1822188	0.21684930	2.7438732	20	—	—
258421 2001 XN_{183}	16.6	X	106.86165	164.71914	235.29229	3.34141	0.2552295	0.22365198	2.6879482	20	2 21.6	20.4
258422 2001 XR_{185}	15.9	X	4.42314	215.97091	249.60764	7.50925	0.1512793	0.21545687	2.7556823	20	—	—
258423 2001 XG_{187}	16.6	X	68.32810	158.32761	258.99388	3.23013	0.1531630	0.21899159	2.7259492	20	1 7.1	19.6
258424 2001 XM_{188}	16.8	X	331.87094	261.78131	135.40842	5.79950	0.1997751	0.20229715	2.8739302	20	11 7.9	19.6
258425 2001 XB_{191}	15.8	X	33.41727	152.93351	284.28968	12.70008	0.1619818	0.21546306	2.7556295	20	—	—
258426 2001 XK_{198}	15.2	X	214.10438	314.16986	114.73917	15.48476	0.0119360	0.18566791	3.0430668	20	7 12.1	19.4
258427 2001 XL_{198}	16.8	X	43.96618	33.09628	150.21583	3.80351	0.1241856	0.28300635	2.2975868	20	5 14.3	18.9
258428 2001 XU_{198}	16.2	X	60.05309	335.12460	132.49079	6.42494	0.1164960	0.22272561	2.6953962	20	2 26.3	19.3
258429 2001 XS_{204}	15.6	X	66.52539	304.19103	90.68476	16.73627	0.1651552	0.21936183	2.7228811	20	—	—
258430 2001 XE_{205}	15.6	X	223.05864	353.48492	71.32874	10.96558	0.0755906	0.19001071	2.9965211	20	7 12.2	20.1
258431 2001 XB_{206}	16.3	X	122.37099	201.14086	202.55747	5.94583	0.1317564	0.22812110	2.6527261	20	2 26.7	20.1
258432 2001 XC_{210}	15.8	X	76.04249	304.29535	98.12909	17.94199	0.1820903	0.22035235	2.7147151	20	1 3.8	18.6
258433 2001 XL_{214}	15.3	X	18.80620	199.48029	264.88490	24.78094	0.1201904	0.21748806	2.7384981	20	—	—
258434 2001 XD_{225}	16.2	X	85.80856	293.22691	65.35691	10.45217	0.2352041	0.21883136	2.7272796	20	—	—
258435 2001 XJ_{226}	16.2	X	187.63657	78.83072	263.87437	11.62358	0.1668235	0.23091156	2.6313115	20	2 15.8	20.7
258436 2001 XP_{226}	16.0	X	44.86005	311.28811	57.90723	10.53742	0.1655257	0.21305168	2.7763832	20	—	—
258437 2001 XU_{229}	16.6	X	32.39888	340.98559	65.66524	6.05842	0.1559098	0.21522858	2.7576306	20	—	—
258438 2001 XZ_{230}	16.7	X	51.35967	74.57711	345.98985	2.33467	0.1684186	0.21952697	2.7215154	20	—	—
258439 2001 XF_{231}	17.0	X	69.32493	78.67251	346.14698	2.01942	0.1507217	0.22259115	2.6964815	20	1 18.4	20.0
258440 2001 XX_{234}	16.4	X	95.34542	332.66775	59.95385	6.24654	0.1742980	0.22274546	2.6952360	20	1 20.1	19.8
258441 2001 XF_{237}	16.2	X	71.82880	110.48926	276.30582	7.31358	0.1513876	0.21806760	2.7336440	20	—	—
258442 2001 XP_{241}	16.2	X	298.09955	344.60189	68.46552	7.17579	0.0684715	0.20321373	2.8652819	20	10 8.7	19.9
258443 2001 XX_{241}	17.5	X	155.94478	296.79602	251.87807	3.62925	0.0689948	0.30600708	2.1809635	20	10 17.1	20.4
258444 2001 XA_{242}	15.9	X	185.67376	17.60623	251.25476	7.53510	0.0993641	0.21665553	2.7455090	20	—	—
258445 2001 XJ_{249}	16.1	X	225.77397	121.35461	104.26304	4.87077	0.0400226	0.21066181	2.7973416	20	—	—
258446 2001 XP_{250}	15.6	X	64.54377	256.22219	100.67551	14.53855	0.2218966	0.21278393	2.7787117	20	—	—
258447 2001 XD_{251}	16.5	X	84.40298	330.03773	103.07422	3.77383	0.0792546	0.22446985	2.6814150	20	2 11.4	19.8
258448 2001 XO_{251}	15.9	X	333.39870	91.96322	91.99718	14.33375	0.1076747	0.22190960	2.7019998	20	1 18.0	19.3
258449 2001 XT_{256}	16.7	X	153.63524	250.10044	127.48329	4.04726	0.2097587	0.23272350	2.6176358	20	3 7.4	20.9
258450 2001 XS_{266}	16.4	X	7.77775	59.18566	9.24610	8.88102	0.1518608	0.21094369	2.7948490	20	—	—
258451 2001 YX_{8}	15.6	X	30.96213	204.48049	313.15097	12.67639	0.0972234	0.22659783	2.6646012	20	3 8.6	18.9
258452 2001 YA_{12}	16.0	X	61.14460	198.61335	232.64077	15.61459	0.1173643	0.22417165	2.6837924	20	1 5.6	19.3
258453 2001 YT_{51}	15.6	X	70.60168	7.52946	75.12506	14.52126	0.0650192	0.22352849	2.6889381	20	2 5.7	19.2
258454 2001 YK_{56}	15.9	X	38.95932	175.03258	271.97832	15.70515	0.2523021	0.21975620	2.7196225	20	—	—
258455 2001 YE_{74}	15.8	X	15.96472	336.16005	91.44883	9.84234	0.1529947	0.21225430	2.7833322	20	—	—
258456 2001 YL_{78}	15.9	X	354.74325	32.84473	84.81945	10.04357	0.1117163	0.21490159	2.7604272	20	—	—
258457 2001 YW_{89}	16.6	X	79.52278	111.47959	290.35361	6.52356	0.2935026	0.22003081	2.7173592	20	1 26.2	19.5
258458 2001 YA_{103}	16.3	X	37.87675	242.01312	188.15347	3.15898	0.1834968	0.21675925	2.7446330	20	—	—
258459 2001 YW_{106}	15.8	X	207.98337	341.95894	125.57456	7.55477	0.2047705	0.19080535	2.9881956	20	8 8.7	20.8
258460 2001 YS_{107}	16.2	X	29.27885	162.62691	263.73375	6.94286	0.2069251	0.21341413	2.7732388	20	—	—
258461 2001 YL_{120}	16.0	X	63.96374	271.18006	101.74245	10.57556	0.2709687	0.21584303	2.7523946	20	—	—
258462 2001 YB_{123}	15.7	X	328.85169	331.56206	51.15722	11.16103	0.1206219	0.20220203	2.8748313	20	10 14.2	19.0
258463 2001 YC_{123}	15.9	X	78.41454	65.03788	305.31318	7.79355	0.2012499	0.21797199	2.7344433	20	—	—
258464 2001 YA_{126}	15.9	X	324.02209	56.85281	50.25153	9.55948	0.1217930	0.21056352	2.7982121	20	—	—
258465 2001 YX_{126}	16.5	X	97.30061	130.57086	320.42065	6.46498	0.1554465	0.22829083	2.6514111	20	3 30.2	20.2
258466 2001 YK_{130}	16.0	X	50.24794	318.05310	74.08920	12.18574	0.1949728	0.21380709	2.7698398	20	—	—
258467 2001 YS_{131}	16.1	X	353.32030	105.95052	79.84952	13.92592	0.1149748	0.22403702	2.6848675	20	2 24.5	19.5
258468 2001 YY_{133}	15.5	X	115.90549	169.10056	319.42800	8.61263	0.0296079	0.17967233	3.1103929	20	5 26.4	20.1
258469 2001 YK_{135}	16.1	X	339.57484	202.21694	292.08249	3.06266	0.1536327	0.21430850	2.7655177	20	—	—
258470 2001 YG_{145}	16.3	X	115.47320	101.12699	285.93465	4.91806	0.0483307	0.22027174	2.7153774	20	1 19.5	20.0
258471 2001 YP_{150}	16.2	X	93.63751	315.12166	121.70136	14.34362	0.1507055	0.22765086	2.6563779	20	3 14.2	19.9
258472 2001 YT_{153}	15.4	X	169.30593	162.33358	321.36686	10.28121	0.0824678	0.18772346	3.0208119	20	7 27.7	20.0
258473 2001 YW_{160}	16.3	X	127.10115	39.79653	226.23762	3.90640	0.0681238	0.20921120	2.8102574	20	12 6.6	20.6
258474 2002 AE_{12}	16.4	X	21.95229	57.60755	112.00501	13.77491	0.2007131	0.22333063	2.6905259	20	3 26.3	19.1
258475 2002 AL_{12}	16.1	X	78.65114	124.74101	301.84925	12.51655	0.1870481	0.22107589	2.7087887	20	2 7.8	19.3
258476 2002 AN_{13}	16.5	X	20.78886	195.16114	309.97523	6.92782	0.2314872	0.22077907	2.7112160	20	2 7.3	18.7
258477 2002 AC_{17}	15.7	X	73.24824	317.93298	128.48068	14.82615	0.1493993	0.22290899	2.6939177	20	2 24.2	18.9
258478 2002 AY_{18}	15.5	X	55.07433	174.94601	289.90047	26.34506	0.0547249	0.22327569	2.6909673	20	1 31.2	19.2
258479 2002 AB_{20}	16.0	X	12.07814	292.33776	165.09206	7.84373	0.2779882	0.21501415	2.7594637	20	—	—
258480 2002 AY_{22}	15.4	X	316.15079	93.33589	125.23359	13.21171	0.1172313	0.22249208	2.6972819	20	2 6.1	18.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
258481 2002 AL_{24}	16.0	X	31.41284	329.85715	142.00405	9.60672	0.2365914	0.21944044	2.7222308	20	1 14.5	18.2
258482 2002 AX_{25}	16.1	X	12.02033	211.62892	293.34972	11.14334	0.0722209	0.22005183	2.7171861	20	1 26.9	19.4
258483 2002 AS_{35}	16.5	X	8.34424	218.07915	291.54727	3.95808	0.1024298	0.22104759	2.7090198	20	1 26.3	19.6
258484 2002 AD_{37}	15.6	X	28.17376	70.62616	110.55930	15.40110	0.1055776	0.22899501	2.6459728	20	4 20.5	18.9
258485 2002 AT_{39}	14.9	X	43.11059	35.11023	127.00743	20.14250	0.1755144	0.17127796	3.2112077	20	5 1.9	19.2
258486 2002 AK_{43}	16.3	X	8.96918	308.25037	121.51377	4.96323	0.0815901	0.21075116	2.7965509	20	—	—
258487 2002 AO_{44}	15.9	X	66.09203	86.00999	118.91016	7.36840	0.0608234	0.18332894	3.0688950	20	7 6.3	20.1
258488 2002 AG_{45}	16.1	X	76.48864	157.57522	278.02836	9.37420	0.0208295	0.22054837	2.7131064	20	1 25.4	19.7
258489 2002 AM_{45}	15.8	X	308.02493	108.96031	122.84114	15.61438	0.1479932	0.22202393	2.7010722	20	2 8.2	19.4
258490 2002 AQ_{45}	16.9	X	349.58170	79.84503	146.11399	4.86635	0.1356366	0.28110575	2.3079314	20	4 1.3	18.9
258491 2002 AY_{46}	16.3	X	7.08119	63.46903	115.67625	13.58709	0.2954946	0.22114062	2.7082601	20	2 23.6	18.3
258492 2002 AY_{49}	15.5	X	231.91032	332.63709	127.13015	11.64798	0.0678631	0.19299490	2.9655517	20	9 8.9	19.8
258493 2002 AE_{53}	15.7	X	241.39793	171.26235	281.58037	8.20974	0.0348091	0.19282470	2.9672964	20	9 8.8	20.0
258494 2002 AW_{57}	14.9	X	47.46576	214.57423	303.48293	16.85425	0.1331496	0.17115618	3.2127307	20	4 10.1	19.4
258495 2002 AO_{61}	15.4	X	160.22843	157.78147	307.63051	18.00427	0.2053986	0.18091138	3.0961746	20	6 28.9	20.8
258496 2002 AA_{63}	16.4	X	123.02651	348.19972	136.65183	26.43009	0.2178837	0.28566469	2.2833107	20	6 25.0	20.4
258497 2002 AU_{65}	16.6	X	77.89938	291.73637	117.29534	2.72333	0.0902497	0.21818262	2.7326831	20	1 3.7	19.8
258498 2002 AV_{65}	16.6	X	8.90533	302.23346	119.34809	4.37624	0.0930398	0.20960848	2.8067053	20	—	—
258499 2002 AG_{66}	16.0	X	235.78774	312.54175	144.33250	1.07637	0.0820432	0.19400861	2.9552125	20	9 5.3	20.3
258500 2002 AO_{79}	16.1	X	257.62706	142.02639	95.01587	6.10012	0.0725324	0.21727497	2.7402883	20	—	—
258501 2002 AD_{101}	16.2	X	28.48903	119.80649	301.97831	3.11129	0.1576955	0.21326404	2.7745398	20	—	—
258502 2002 AF_{107}	17.6	X	347.63095	83.77713	332.92611	1.45185	0.0864165	0.31192858	2.1532739	20	—	—
258503 2002 AJ_{108}	16.0	X	148.92500	201.88170	345.37077	1.66958	0.1378788	0.19144576	2.9815279	20	9 22.9	20.8
258504 2002 AT_{110}	15.9	X	311.31455	219.24805	320.40757	7.28565	0.0829103	0.21452692	2.7636403	20	—	—
258505 2002 AD_{114}	16.1	X	1.86353	129.47615	310.18117	8.41338	0.2078877	0.21093019	2.7949683	20	—	—
258506 2002 AX_{114}	15.7	X	294.28079	101.58086	313.61200	9.61166	0.1346599	0.19661890	2.9289989	20	9 18.5	19.4
258507 2002 AC_{124}	15.7	X	65.53693	313.25583	128.87453	10.56357	0.1966092	0.21877467	2.7277508	20	2 11.9	18.5
258508 2002 AK_{124}	16.7	X	92.76299	121.62420	112.10087	8.81464	0.1502544	0.29530458	2.2333456	20	10 14.6	20.0
258509 2002 AE_{125}	15.6	X	5.22612	68.51474	138.76062	14.86728	0.2739812	0.22120467	2.7077373	20	4 10.4	17.8
258510 2002 AA_{126}	15.9	X	38.06954	348.81393	127.49427	10.08810	0.2719924	0.21854798	2.7296367	20	2 12.0	17.8
258511 2002 AO_{133}	16.1	X	43.98587	156.46208	286.84223	12.34767	0.1434391	0.21815691	2.7328979	20	—	—
258512 2002 AB_{136}	15.5	X	290.41983	255.61559	125.70651	10.36517	0.0644390	0.19213108	2.9744338	20	8 12.7	19.4
258513 2002 AZ_{141}	16.3	X	337.72340	350.55913	123.53863	2.11882	0.0984263	0.21176926	2.7875806	20	—	—
258514 2002 AR_{142}	15.8	X	294.32497	145.22197	121.32046	15.50725	0.0823309	0.22718761	2.6599877	20	3 19.9	19.6
258515 2002 AK_{152}	16.0	X	54.35333	303.69526	133.38698	9.48359	0.2041400	0.21690386	2.7434130	20	1 14.9	18.6
258516 2002 AF_{162}	15.7	X	335.54535	194.30105	310.25129	6.91582	0.1580031	0.21246389	2.7815015	20	—	—
258517 2002 AD_{171}	16.2	X	69.21959	295.63816	109.84167	7.54174	0.0687690	0.21498056	2.7597511	20	—	—
258518 2002 AF_{176}	16.0	X	58.26933	335.38684	106.38772	4.56966	0.0589652	0.21715622	2.7412872	20	1 14.8	19.3
258519 2002 AS_{182}	16.0	X	38.20126	29.03158	71.55687	13.35733	0.1400316	0.21882796	2.7273079	20	1 12.5	19.0
258520 2002 AS_{186}	16.4	X	25.03288	309.98648	181.44816	3.75812	0.1483833	0.22036192	2.7146365	20	1 28.5	19.3
258521 2002 AS_{193}	16.1	X	349.97276	237.92498	255.55252	7.94645	0.1276545	0.21249662	2.7812158	20	—	—
258522 2002 AP_{197}	15.4	X	103.36208	158.34024	335.48909	13.94530	0.1066914	0.17877642	3.1207758	20	5 26.5	20.2
258523 2002 AT_{199}	15.8	X	57.36892	178.59573	341.64795	4.63273	0.0725779	0.17500919	3.1654016	20	4 27.2	20.1
258524 2002 AY_{204}	15.8	X	44.06908	36.56606	129.99115	12.75270	0.0201127	0.17126689	3.2113460	20	4 19.1	20.5
258525 2002 AF_{207}	15.6	X	39.42904	51.47459	106.57043	28.69779	0.0681125	0.23205639	2.6226502	20	4 11.3	19.6
258526 2002 AW_{208}	15.2	X	54.35382	102.30003	87.37385	17.35259	0.1871840	0.17246001	3.1965176	20	6 18.5	19.3
258527 2002 BL	17.7	X	233.84248	66.04800	352.32202	4.85215	0.1470660	0.29423583	2.2387504	20	7 13.8	20.7
258528 2002 BT_{2}	15.1	X	334.53485	298.16463	315.01603	25.35752	0.1823116	0.17284695	3.1917453	20	3 29.8	19.6
258529 2002 BQ_{4}	15.8	X	52.62081	60.43336	31.81255	15.64946	0.1587036	0.21995216	2.7180070	20	2 3.7	19.1
258530 2002 BS_{5}	15.2	X	24.50178	164.52827	302.77196	27.34841	0.1867922	0.21838612	2.7309853	20	—	—
258531 2002 BG_{8}	16.6	X	306.08345	120.09220	329.76625	7.54902	0.3032269	0.20364504	2.8612347	20	11 11.0	19.1
258532 2002 BT_{15}	17.5	X	256.90753	204.43435	235.30526	2.76974	0.1805668	0.30107684	2.2047084	20	9 7.2	20.1
258533 2002 BV_{15}	15.9	X	37.34305	137.80138	306.76401	12.66140	0.1333428	0.21451268	2.7637626	20	—	—
258534 2002 BG_{19}	15.2	X	127.50678	16.93651	91.17176	11.95291	0.0655731	0.17728110	3.1382998	20	5 22.7	19.8
258535 2002 BN_{22}	15.8	X	355.22560	228.55648	264.40671	12.20421	0.1541148	0.21487127	2.7606869	20	—	—
258536 2002 BB_{27}	16.2	X	321.45637	115.29732	68.55120	13.18420	0.1563363	0.21518768	2.7579800	20	—	—
258537 2002 BE_{28}	16.1	X	116.98258	274.14585	148.76953	11.81679	0.1616041	0.22341444	2.6898530	20	3 24.7	20.0
258538 2002 BL_{31}	13.3	X	220.80411	36.82138	92.92244	6.67386	0.1619706	0.08411040	5.1590484	20	9 12.2	20.7
258539 2002 CD_{2}	15.9	X	125.15812	119.13508	97.37690	10.88419	0.0172524	0.19314657	2.9639989	20	10 4.9	20.3
258540 2002 CD_{16}	15.9	X	32.76086	289.46049	177.93717	10.59442	0.2281840	0.21838135	2.7310250	20	1 10.4	18.5
258541 2002 CR_{18}	16.3	X	341.80962	64.50779	110.97924	15.66119	0.2475111	0.21554779	2.7549074	20	—	—
258542 2002 CX_{18}	14.9	X	94.99598	153.13948	12.53396	16.69640	0.1295546	0.17793493	3.1306071	20	7 3.9	19.8
258543 2002 CP_{20}	15.6	X	327.95939	268.46205	274.00371	7.17319	0.0739112	0.21595281	2.7514617	20	1 13.2	19.1
258544 2002 CY_{23}	15.8	X	238.81623	162.36181	272.34012	8.66576	0.2038832	0.19065814	2.9897335	20	7 25.9	20.5
258545 2002 CG_{24}	16.1	X	34.70866	223.01110	243.87598	8.50640	0.1494403	0.21766685	2.7369983	20	1 12.5	19.0
258546 2002 CQ_{27}	16.1	X	17.32020	74.61821	58.52859	5.81242	0.0993407	0.21872351	2.7281761	20	1 21.2	19.4
258547 2002 CU_{28}	15.9	X	8.02160	49.87586	111.37922	15.46045	0.1201069	0.22009964	2.7167926	20	2 12.2	19.0
258548 2002 CD_{30}	15.1	X	32.62681	199.63527	344.46011	11.55127	0.1668779	0.17155428	3.2077586	20	4 27.8	19.1
258549 2002 CU_{39}	16.1	X	9.77337	262.27635	240.50980	8.33126	0.2132809	0.21711129	2.7416653	20	1 10.1	18.9
258550 2002 CV_{40}	15.5	X	76.16857	300.90522	220.38957	9.80539	0.0423399	0.17610049	3.1523107	20	5 21.9	19.8
258551 2002 CM_{47}	15.2	X	74.32274	198.27225	316.53944	21.81046	0.0879390	0.17557147	3.1586397	20	5 10.0	20.1
258552 2002 CW_{48}	15.5	X	19.79177	141.20966	297.76607	16.81917	0.1173927	0.21114804	2.7930455	20	—	—
258553 2002 CZ_{54}	17.4	X	165.15951	0.77327	164.66656	6.32819	0.0574963	0.29640441	2.2278175	20	9 27.6	20.3
258554 2002 CK_{57}	16.3	X	37.08772	276.80053	178.85116	4.97687	0.3066769	0.21625127	2.7489295	20	1 7.9	18.1
258555 2002 CK_{62}	16.5	X	358.33202	38.45069	76.16978	10.24948	0.1119072	0.21215034	2.7842414	20	—	—
258556 2002 CJ_{63}	16.3	X	323.69409	169.15790	25.33170	8.12225	0.1416999	0.21595051	2.7514812	20	1 15.3	19.9
258557 2002 CP_{65}	15.1	X	58.92605	82.39814	124.08463	23.72400	0.0491752	0.17802234	3.1295824	20	6 28.7	19.6
258558 2002 CN_{67}	16.3	X	278.16314	168.75268	308.91011	14.25074	0.0916244	0.20249029	2.8721024	20	11 23.4	20.3
258559 2002 CX_{68}	15.9	X	336.67920	68.88969	124.65248	9.05335	0.1083831	0.21930661	2.7233381	20	2 4.4	19.1
258560 2002 CM_{73}	16.1	X	178.01998	113.15252	126.64235	3.02742	0.0136869	0.20290066	2.8682284	20	12 31.8	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
258561 2002 CU_{77}	16.2	X	46.84835	117.47767	336.41578	8.60032	0.1597433	0.21709278	2.7418212	20	1 22.0	19.1
258562 2002 CX_{78}	15.2	X	158.02391	323.52999	128.43722	10.21431	0.0290744	0.17755180	3.1351091	20	6 3.7	19.8
258563 2002 CW_{79}	16.1	X	34.72259	91.40354	332.17076	12.89424	0.1719794	0.21120662	2.7925290	20	—	—
258564 2002 CK_{85}	16.0	X	331.19891	219.78712	324.77017	6.94156	0.1648585	0.21652983	2.7465714	20	1 8.7	19.5
258565 2002 CL_{88}	15.9	X	62.39499	71.24829	110.09160	2.16292	0.0967432	0.17565691	3.1576153	20	6 5.9	20.1
258566 2002 CS_{93}	17.4	X	240.51182	113.01334	337.91909	3.21943	0.1295135	0.29836567	2.2180440	20	9 9.2	19.8
258567 2002 CC_{94}	13.1	X	228.96359	127.71380	342.55026	16.62717	0.0907888	0.08288411	5.2098097	20	9 1.7	20.2
258568 2002 CP_{109}	17.3	X	263.44601	149.25527	18.53155	3.52445	0.0178730	0.31072575	2.1588272	20	—	—
258569 2002 CT_{117}	16.3	X	141.37155	279.07705	286.84830	0.90060	0.2017029	0.18806564	3.0171466	20	10 9.2	21.3
258570 2002 CH_{120}	16.9	X	96.75400	231.63058	289.78961	5.59789	0.0739590	0.28723898	2.2749602	20	6 24.8	19.6
258571 2002 CA_{125}	16.9	X	133.10440	45.15996	143.74659	4.81027	0.0658651	0.29560337	2.2318403	20	9 20.9	19.7
258572 2002 CV_{131}	17.1	X	346.24157	290.89282	279.53741	2.84780	0.1656580	0.27405392	2.3473546	20	2 24.2	19.2
258573 2002 CJ_{135}	15.6	X	199.83391	135.44071	303.23149	9.75401	0.0454591	0.18252597	3.0778889	20	7 5.2	20.1
258574 2002 CZ_{135}	16.0	X	45.03375	258.84475	161.19013	8.99903	0.2638183	0.21615453	2.7497496	20	—	—
258575 2002 CU_{136}	14.9	X	43.23033	66.01955	139.69353	21.79233	0.2703752	0.17577193	3.1562377	20	7 6.7	18.9
258576 2002 CF_{143}	16.3	X	61.39481	273.50628	146.45168	10.50848	0.2456486	0.21797801	2.7343929	20	1 9.9	19.0
258577 2002 CM_{147}	17.9	X	235.28034	123.21768	339.20136	1.93815	0.0838307	0.30011987	2.2093925	20	9 26.1	20.5
258578 2002 CQ_{149}	17.1	X	10.27967	27.83638	117.84800	4.46768	0.1380907	0.21741743	2.7390911	20	1 23.1	19.8
258579 2002 CH_{151}	16.1	X	358.06436	203.76897	80.63031	2.96839	0.0583212	0.18142676	3.0903084	20	7 13.6	20.0
258580 2002 CS_{153}	17.6	X	321.38343	108.32926	125.96580	3.24160	0.1588343	0.27595127	2.3365825	20	2 19.9	20.3
258581 2002 CH_{161}	15.4	X	149.17463	104.58594	341.45189	10.11806	0.0619796	0.17718344	3.1394528	20	5 13.7	20.2
258582 2002 CC_{164}	15.7	X	150.74473	270.09874	276.56471	8.97519	0.1476327	0.18933046	3.0036943	20	9 19.3	20.7
258583 2002 CZ_{164}	15.8	X	24.31152	17.04692	59.65263	5.22266	0.0918883	0.21064563	2.7974849	20	—	—
258584 2002 CX_{167}	16.8	X	286.71806	126.17934	0.47156	8.88091	0.2274121	0.20285142	2.8686926	20	12 2.2	20.0
258585 2002 CD_{172}	17.2	X	84.64865	26.13450	112.80822	5.77020	0.1532079	0.28112345	2.3078346	20	5 20.1	20.0
258586 2002 CO_{173}	15.5	X	178.01551	324.42566	137.11598	19.44622	0.1578434	0.18121130	3.0927575	20	7 7.3	20.8
258587 2002 CH_{175}	17.7	X	251.19189	146.44489	317.08445	2.02607	0.0874575	0.30346919	2.1931061	20	10 21.1	19.9
258588 2002 CZ_{183}	16.0	X	257.12397	280.44593	325.47889	10.80442	0.1494984	0.21354212	2.7721306	20	1 2.9	20.4
258589 2002 CG_{184}	15.7	X	62.55548	153.80663	138.00232	10.74628	0.0686516	0.19343364	2.9610658	20	10 27.9	20.0
258590 2002 CK_{185}	17.1	X	352.46001	140.21459	100.35662	4.11584	0.1991722	0.28019467	2.3129317	20	4 25.6	18.6
258591 2002 CP_{192}	15.5	X	201.58325	260.69359	135.37681	9.95728	0.1135152	0.17805393	3.1292121	20	5 14.3	20.5
258592 2002 CH_{193}	16.6	X	261.30385	51.67511	79.64961	2.93583	0.1306735	0.20000501	2.8958460	20	11 14.3	20.4
258593 2002 CR_{194}	16.0	X	151.60794	30.38223	140.89000	10.65168	0.0406629	0.18859951	3.0114501	20	9 5.8	20.4
258594 2002 CG_{196}	16.0	X	122.01182	257.92224	22.78877	2.10825	0.0213622	0.20035042	2.8925167	20	12 14.8	20.2
258595 2002 CZ_{198}	15.9	X	298.60597	56.63760	135.25560	8.48811	0.0881405	0.21224345	2.7834271	20	—	—
258596 2002 CS_{203}	16.7	X	35.20878	315.57926	136.94733	10.45424	0.2877082	0.21624015	2.7490237	20	—	—
258597 2002 CJ_{204}	13.3	X	272.03576	98.42769	336.55533	10.35695	0.0716948	0.08508167	5.1197101	20	9 8.9	20.0
258598 2002 CG_{221}	16.9	X	218.66302	95.89118	358.50581	5.49251	0.1721201	0.29416613	2.2391040	20	8 13.5	20.0
258599 2002 CZ_{226}	15.9	X	318.59497	168.97246	273.27650	5.07001	0.0546052	0.20240910	2.8728703	20	12 11.9	19.5
258600 2002 CQ_{232}	16.7	X	68.94403	311.07679	149.69236	9.93307	0.1505389	0.22033431	2.7148633	20	3 7.3	19.8
258601 2002 CD_{235}	18.2	X	323.28968	336.02411	55.16196	1.03597	0.1053469	0.30454077	2.1879586	20	11 9.2	19.8
258602 2002 CA_{236}	14.9	X	52.22755	194.47893	336.60811	27.36484	0.1253600	0.17246804	3.1964185	20	4 27.5	19.7
258603 2002 CH_{241}	17.5	X	251.63504	227.04797	235.92086	4.84989	0.1300690	0.30161203	2.2020995	20	10 12.9	19.8
258604 2002 CK_{253}	16.2	X	257.54191	189.03704	176.01241	10.87976	0.0509095	0.18143329	3.0902342	20	6 10.2	20.8
258605 2002 CT_{253}	17.2	X	212.40290	31.04978	95.69506	6.55186	0.1343840	0.29904163	2.2147002	20	9 27.2	20.2
258606 2002 CT_{256}	16.5	X	359.93423	147.93525	343.22121	7.50594	0.1658351	0.21473380	2.7618650	20	—	—
258607 2002 CW_{265}	16.4	X	95.28913	115.30310	126.49068	11.12914	0.0296335	0.19204604	2.9753118	20	9 29.9	20.7
258608 2002 CP_{271}	15.9	X	269.19086	213.73104	134.75211	5.44178	0.0818697	0.17910862	3.1169157	20	5 30.3	20.4
258609 2002 CM_{284}	15.5	X	35.98528	101.45948	162.62104	9.41848	0.0797456	0.18164520	3.0878303	20	8 12.5	19.6
258610 2002 CR_{290}	15.3	X	31.53545	155.88674	51.44851	11.60523	0.1150587	0.17632532	3.1496304	20	5 25.9	19.2
258611 2002 CJ_{302}	16.9	X	244.96809	306.47082	111.62931	7.21124	0.0993259	0.29355451	2.2422131	20	8 3.7	19.5
258612 2002 CR_{302}	15.6	X	227.64367	194.23578	270.74802	9.11864	0.0823796	0.19041634	2.9922640	20	8 31.6	20.1
258613 2002 CT_{305}	16.2	X	27.46729	53.96450	25.20299	7.88692	0.2086657	0.21366937	2.7710299	20	—	—
258614 2002 CY_{308}	16.5	X	357.85602	357.59048	126.41170	4.72404	0.0502110	0.21208298	2.7848310	20	—	—
258615 2002 CD_{310}	16.0	X	18.68127	219.98683	243.38223	4.13305	0.1314796	0.21339511	2.7734036	20	—	—
258616 2002 CM_{313}	15.7	X	218.78692	308.08554	97.41326	11.69217	0.0478513	0.18195221	3.0843559	20	6 14.8	20.2
258617 2002 CG_{314}	16.5	X	343.30954	140.29590	6.88811	11.66712	0.2306322	0.21265185	2.7798623	20	—	—
258618 2002 CE_{315}	15.6	X	95.66126	73.99698	162.57455	9.73313	0.0760535	0.18961455	3.0006933	20	9 25.9	20.0
258619 2002 CF_{315}	15.8	X	51.04867	326.48341	302.32938	13.28233	0.0825642	0.18767183	3.0213659	20	9 4.9	20.1
258620 2002 CQ_{315}	16.2	X	168.12508	333.80067	147.22595	7.97757	0.0815533	0.18195367	3.0843394	20	7 20.8	20.9
258621 2002 CF_{316}	13.4	X	285.47524	74.48484	343.47852	6.82324	0.0302450	0.08011760	5.3290617	20	9 10.7	20.3
258622 2002 DJ_{11}	15.3	X	54.47255	17.88560	154.40221	5.77097	0.0881244	0.17241376	3.1970893	20	5 14.4	19.5
258623 2002 DP_{12}	16.9	X	37.55537	60.02465	106.64418	8.19534	0.1005335	0.27763006	2.3271537	20	4 7.4	19.3
258624 2002 DM_{13}	13.3	X	350.31060	26.19090	341.84311	8.15153	0.0263918	0.08444123	5.1455643	20	9 29.8	20.0
258625 2002 DH_{14}	16.1	X	221.11497	314.48382	136.98274	7.50974	0.0814955	0.18676133	3.0311778	20	8 11.5	20.4
258626 2002 DS_{14}	17.3	X	140.04281	257.60274	6.33923	4.02824	0.1302163	0.30509526	2.1853068	20	—	—
258627 2002 DA_{15}	13.2	X	219.14257	334.50031	156.00083	19.06805	0.0764866	0.08484536	5.1292121	20	9 16.9	20.3
258628 2002 DW_{15}	13.0	X	231.01599	323.21349	164.15516	19.36793	0.0442572	0.08478802	5.1315241	20	9 29.1	20.0
258629 2002 EU	17.0	X	27.10304	315.51845	173.35049	7.84389	0.3727974	0.21963083	2.7206573	20	1 28.3	18.2
258630 2002 EE_{1}	15.2	X	118.71969	12.83239	160.25044	20.32342	0.1192461	0.18270635	3.0758628	20	8 4.1	20.1
258631 2002 EZ_{7}	12.9	X	193.26807	40.91483	116.99351	10.23482	0.0483529	0.08201154	5.2466982	20	9 25.2	20.1
258632 2002 ES_{8}	15.3	X	234.30760	291.41698	120.73695	12.99905	0.1083862	0.18323591	3.0699336	20	7 4.6	19.9
258633 2002 ES_{27}	15.6	X	184.47980	147.54610	10.13869	7.73681	0.1199170	0.18887311	3.0085412	20	9 22.0	20.2
258634 2002 EN_{29}	15.6	X	186.19538	339.06129	178.79202	12.81306	0.1355476	0.18965248	3.0002932	20	9 22.3	20.3
258635 2002 ET_{31}	16.7	X	297.60865	277.86204	339.29530	5.79007	0.1009734	0.27384445	2.3485515	20	2 26.9	19.6
258636 2002 EU_{31}	18.0	X	15.42630	49.77646	125.55950	3.13325	0.1394567	0.27437472	2.3455245	20	3 5.4	19.9
258637 2002 EA_{32}	17.3	X	104.52453	106.40974	153.22863	5.10233	0.1152352	0.29796468	2.2200335	20	11 24.7	20.5
258638 2002 EM_{33}	15.8	X	91.02008	70.22700	98.82030	6.18006	0.0613922	0.17709169	3.1405370	20	6 22.2	20.1
258639 2002 ES_{34}	17.3	X	258.88396	34.91266	93.16142	2.96742	0.0826079	0.30385023	2.1912722	20	12 11.0	19.3
258640 2002 ER_{36}	15.8	X	25.98999	341.43514	55.36970	2.88624	0.0666362	0.20110630	2.8852643	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
258641 2002 ER_{37}	16.1	X	357.52899	253.58488	104.44113	4.03101	0.1278515	0.18993837	2.9972818	20	10 25.7	19.7
258642 2002 EZ_{37}	15.9	X	310.97162	149.79002	177.95509	10.26680	0.0948706	0.17736907	3.1372620	20	6 26.3	20.2
258643 2002 EL_{40}	17.0	X	299.32842	249.52214	239.25891	0.73688	0.0393584	0.31019161	2.1613048	20	—	—
258644 2002 EB_{42}	16.5	X	32.32277	251.22999	212.41002	2.48557	0.1989719	0.21549385	2.7553671	20	1 5.8	19.0
258645 2002 EP_{46}	17.3	X	124.42744	221.48949	296.48704	1.90179	0.0865466	0.28684938	2.2770196	20	7 27.4	20.4
258646 2002 EK_{51}	13.4	X	192.80742	358.09659	162.54568	14.20391	0.0777257	0.08222427	5.2376447	20	9 24.1	20.6
258647 2002 EU_{51}	17.5	X	84.70209	9.21592	153.56666	2.31479	0.1391372	0.28280296	2.2986883	20	6 20.1	20.2
258648 2002 EW_{51}	16.5	X	346.26382	317.81553	160.86834	9.40472	0.2458311	0.21029957	2.8005530	20	—	—
258649 2002 EC_{58}	17.8	X	167.69301	309.79586	198.19861	4.19696	0.1032281	0.29425214	2.2386677	20	9 1.8	20.9
258650 2002 EB_{59}	15.6	X	45.89590	271.24908	337.79351	4.74085	0.1093595	0.18053871	3.1004340	20	8 12.9	19.6
258651 2002 EM_{60}	16.0	X	71.44114	357.21405	177.84548	10.69978	0.1447612	0.17412580	3.1760985	20	6 17.4	20.6
258652 2002 EA_{66}	17.3	X	292.24979	21.11646	206.60301	3.57114	0.1662730	0.26616661	2.3935013	20	1 4.6	20.6
258653 2002 EH_{67}	17.1	X	335.62879	296.73051	276.84610	2.17857	0.1866700	0.27080224	2.3661079	20	2 7.9	19.6
258654 2002 EU_{67}	17.4	X	333.77416	288.43443	272.39711	1.31508	0.1312940	0.26932289	2.3747644	20	1 27.7	20.0
258655 2002 EQ_{73}	16.5	X	298.47351	228.21992	4.27065	6.05768	0.1878484	0.26649258	2.3915491	20	1 16.8	19.9
258656 2002 ES_{76}	14.0	X	306.69978	84.19740	323.09328	2.73318	0.0497918	0.08296163	5.2065637	20	9 21.3	20.7
258657 2002 EJ_{82}	15.4	X	70.23300	280.04912	350.90640	12.00597	0.0639359	0.18632145	3.0359468	20	10 2.4	19.7
258658 2002 ED_{84}	16.1	X	126.33236	164.35853	42.06874	1.08003	0.1362742	0.18668153	3.0320415	20	9 24.9	20.9
258659 2002 EM_{93}	17.3	X	97.68501	228.35678	17.18642	3.68721	0.1146786	0.29585076	2.2305960	20	10 27.6	20.5
258660 2002 EP_{95}	16.0	X	101.28776	4.91090	150.73027	2.72932	0.1090193	0.17617042	3.1514764	20	6 23.9	20.6
258661 2002 EV_{95}	17.3	X	55.92552	161.26064	19.95668	3.76633	0.0717139	0.28059417	2.3107358	20	5 21.8	19.7
258662 2002 EY_{99}	15.8	X	331.59208	253.59749	257.69413	7.57316	0.1369773	0.21217091	2.7840615	20	—	—
258663 2002 ET_{100}	15.6	X	259.68030	210.29718	20.36824	9.46175	0.0975153	0.20996163	2.8035572	20	—	—
258664 2002 EK_{101}	17.5	X	104.40543	314.75364	217.32021	4.03350	0.1304711	0.28695550	2.2764582	20	7 26.3	20.6
258665 2002 EN_{101}	17.1	X	199.81610	231.35654	226.64141	4.38704	0.0791324	0.29148096	2.2528343	20	8 1.8	20.1
258666 2002 EM_{102}	15.2	X	34.78836	286.74044	330.96486	25.49258	0.1926148	0.17833256	3.1259519	20	8 20.5	18.9
258667 2002 EH_{105}	17.4	X	323.25318	177.26658	54.32079	6.67233	0.1825524	0.27233142	2.3572422	20	2 18.4	20.2
258668 2002 EQ_{105}	15.2	X	159.77097	121.16678	70.82676	9.90705	0.0949540	0.18847923	3.0127312	20	10 13.2	20.0
258669 2002 ET_{118}	13.4	X	243.02091	307.20369	177.44136	13.99075	0.0999176	0.08399736	5.1636758	20	10 1.2	20.4
258670 2002 ED_{120}	13.2	X	141.65624	106.82667	113.57211	7.29652	0.1952242	0.08289395	5.2093973	20	10 17.9	20.9
258671 2002 EU_{126}	17.2	X	201.01937	312.29889	245.14116	4.75778	0.0886019	0.30410089	2.1900679	20	12 22.7	19.8
258672 2002 EV_{126}	16.0	X	197.17562	208.53278	313.47370	10.00348	0.1859990	0.19269281	2.9686503	20	9 29.9	21.0
258673 2002 EZ_{126}	15.5	X	190.49697	270.44805	171.62238	16.61264	0.1805770	0.17926520	3.1151005	20	6 23.9	21.0
258674 2002 EC_{128}	15.5	X	313.66242	122.93940	136.62694	5.50709	0.1237242	0.16926542	3.2366114	20	4 1.7	19.7
258675 2002 EF_{129}	17.3	X	339.50784	277.28564	338.55694	1.10709	0.1668180	0.27651172	2.3334241	20	4 22.3	19.1
258676 2002 EG_{130}	15.4	X	98.16127	325.24432	195.86384	16.94272	0.1505057	0.17648573	3.1477216	20	6 30.7	20.4
258677 2002 EU_{130}	15.9	X	150.37720	228.79756	73.61439	3.11681	0.0440538	0.20304084	2.8669082	20	—	—
258678 2002 EA_{132}	15.9	X	178.65967	185.66737	3.12820	9.09275	0.0669983	0.19113192	2.9847909	20	10 23.3	20.4
258679 2002 EP_{147}	16.4	X	337.91158	294.49073	142.79518	2.89175	0.0894606	0.20129426	2.8834679	20	—	—
258680 2002 EN_{149}	17.1	X	214.04606	267.50763	172.29260	5.18037	0.0974130	0.28947697	2.2632196	20	7 23.4	20.1
258681 2002 EY_{150}	15.7	X	329.46397	19.26276	5.22630	10.75243	0.0193740	0.18883303	3.0089669	20	10 10.7	19.7
258682 2002 EK_{154}	16.8	X	255.21792	265.49967	264.71121	1.79842	0.1843951	0.20213095	2.8755053	20	12 16.9	20.6
258683 2002 EX_{154}	12.7	X	179.44818	94.61703	95.24512	16.09117	0.0642640	0.08231546	5.2337756	20	10 19.6	20.1
258684 2002 EX_{157}	13.6	X	1.48134	177.11090	183.53279	8.11805	0.0712665	0.08386272	5.1692011	20	10 8.7	20.0
258685 2002 EK_{160}	14.0	X	196.10664	323.57631	200.72177	2.77789	0.0754760	0.08185892	5.2532175	20	9 29.6	21.2
258686 2002 EB_{163}	13.4	X	231.55824	30.85100	96.71531	7.02179	0.0493741	0.08383936	5.1701612	20	9 30.6	20.4
258687 2002 FZ_{4}	16.9	X	344.69073	245.22092	20.88121	24.31849	0.2821250	0.27640270	2.3340377	20	4 27.6	18.5
258688 2002 FR_{16}	16.0	X	41.99567	31.66679	135.07363	10.54859	0.1502719	0.21991462	2.7183163	20	4 25.9	19.2
258689 2002 FO_{25}	15.1	X	54.62444	135.77097	76.66770	16.65985	0.2338718	0.17536714	3.1610927	20	7 28.9	19.5
258690 2002 FA_{33}	15.6	X	67.78504	40.04175	205.06737	8.57984	0.2111626	0.17948275	3.1125827	20	9 17.5	20.3
258691 2002 FC_{36}	15.3	X	275.78228	94.77133	63.74731	15.73953	0.1096758	0.20115763	2.8847735	20	—	—
258692 2002 FB_{38}	16.6	X	348.98024	174.72618	39.04571	6.88354	0.1749214	0.27357991	2.3500652	20	3 9.8	18.8
258693 2002 FW_{40}	14.9	X	59.44216	187.02666	85.23265	15.58411	0.1881578	0.17973831	3.1096317	20	10 18.1	19.6
258694 2002 GM_{3}	16.6	X	117.88029	235.59938	27.71414	10.85543	0.1097824	0.29677980	2.2259385	20	12 10.1	19.9
258695 2002 GT_{3}	18.7	X	40.15464	74.15909	9.18085	1.52492	0.1709796	0.42640295	1.7481925	20	—	—
258696 2002 GD_{16}	17.1	X	96.75343	91.61250	173.60748	4.13322	0.1762574	0.29468480	2.2364759	20	11 26.1	20.6
258697 2002 GN_{17}	16.5	X	93.83756	225.02123	42.78684	11.26262	0.1069135	0.29302282	2.2449246	20	11 19.9	19.6
258698 2002 GO_{29}	14.0	X	269.74794	80.50323	1.51078	5.30142	0.0760953	0.08451166	5.1427054	20	9 15.2	20.8
258699 2002 GS_{34}	15.3	X	45.46497	258.83467	11.73259	15.38901	0.0903646	0.18232308	3.0801719	20	9 10.9	19.5
258700 2002 GE_{37}	16.6	X	280.82019	212.28562	42.65918	6.57991	0.1998370	0.26689790	2.3891272	20	1 25.5	20.2
258701 2002 GV_{38}	17.2	X	171.45709	6.79140	182.72377	4.89996	0.1043758	0.29632375	2.2282217	20	11 3.9	20.3
258702 2002 GV_{40}	16.9	X	328.59186	263.28452	327.17493	1.90934	0.1448898	0.27139673	2.3626514	20	2 27.8	19.5
258703 2002 GZ_{48}	17.7	X	215.83497	333.84868	201.69193	3.92008	0.0930640	0.30105078	2.2048356	20	12 11.3	20.2
258704 2002 GP_{55}	17.5	X	350.46923	244.44032	347.70904	4.80362	0.2029239	0.27370031	2.3493760	20	4 2.3	19.1
258705 2002 GL_{59}	15.8	X	11.72934	175.82027	313.61531	9.50316	0.1816588	0.21255163	2.7807360	20	1 2.4	18.6
258706 2002 GU_{61}	17.6	X	45.13199	13.20241	198.94787	7.29901	0.1499628	0.27927492	2.3180071	20	7 3.1	20.1
258707 2002 GX_{66}	16.7	X	86.96651	232.11919	43.83401	6.36242	0.1647689	0.29321393	2.2439490	20	11 27.9	19.9
258708 2002 GV_{67}	17.3	X	132.12712	319.76573	190.23866	6.42039	0.0514110	0.28389490	2.2927902	20	7 21.2	20.3
258709 2002 GF_{69}	17.1	X	226.49358	182.83993	111.78042	3.55196	0.2291590	0.26206182	2.4184301	20	1 23.9	21.1
258710 2002 GZ_{69}	17.2	X	178.84765	24.87254	154.05943	4.76136	0.0907073	0.29547893	2.2324670	20	10 30.9	20.1
258711 2002 GA_{73}	15.2	X	282.87726	49.96251	41.51970	11.43167	0.0911098	0.19141354	2.9818625	20	10 28.7	18.9
258712 2002 GL_{73}	17.3	X	108.51467	178.07739	75.39693	5.04945	0.1403839	0.29432577	2.2382943	20	11 20.4	20.5
258713 2002 GT_{76}	17.4	X	317.36723	139.44150	116.44253	3.44490	0.2107278	0.27027665	2.3691744	20	3 8.1	20.0
258714 2002 GX_{77}	17.0	X	49.68792	243.71577	2.80193	6.09675	0.1410289	0.28467712	2.2885883	20	9 2.8	19.5
258715 2002 GX_{78}	14.8	X	340.33902	121.75301	86.66289	16.06217	0.0969744	0.16056240	3.3525362	20	3 17.6	19.4
258716 2002 GM_{79}	15.0	X	23.89056	264.77134	12.29555	9.26175	0.0581266	0.17840875	3.1250618	20	8 14.2	19.2
258717 2002 GJ_{81}	15.4	X	98.22027	144.53483	70.70526	7.33553	0.0869876	0.18005718	3.1059593	20	9 4.9	20.0
258718 2002 GB_{82}	17.0	X	14.58105	162.11730	69.66603	4.56626	0.1044000	0.27754169	2.3276476	20	5 31.1	18.8
258719 2002 GH_{82}	16.9	X	132.62998	169.04261	57.76375	6.61344	0.1695475	0.29437089	2.2380656	20	11 9.9	20.2
258720 2002 GH_{84}	17.4	X	184.37392	146.94285	81.65552	5.92380	0.1632341	0.30206115	2.1999162	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
258721 2002 GS_{84}	16.8	X	40.56305	179.76928	67.39177	7.92011	0.0729774	0.28309486	2.2971079	20	8 10.1	19.5
258722 2002 GW_{88}	17.0	X	168.30371	210.63849	72.46713	6.52473	0.0937843	0.30683175	2.1770539	20	—	—
258723 2002 GR_{90}	16.5	X	256.04407	315.18629	172.14309	0.84590	0.1947718	0.19470354	2.9481765	20	10 22.5	20.5
258724 2002 GU_{92}	16.6	X	346.30370	14.21327	218.95173	6.13379	0.0619106	0.27444264	2.3451376	20	4 11.5	19.0
258725 2002 GB_{97}	17.7	X	9.89195	243.98921	11.98641	2.32191	0.1901933	0.27880634	2.3206036	20	7 8.8	19.4
258726 2002 GT_{98}	16.8	X	257.53780	42.50274	211.42743	7.08162	0.1725925	0.26325289	2.4111300	20	1 2.2	20.6
258727 2002 GP_{101}	15.5	X	86.88509	50.17330	198.70596	11.03895	0.0950156	0.18264157	3.0765900	20	9 30.2	19.9
258728 2002 GH_{104}	15.0	X	119.58320	140.42594	77.36298	13.07698	0.0836531	0.18213484	3.0822938	20	10 4.7	19.9
258729 2002 GT_{117}	15.5	X	332.54773	241.66287	154.38637	9.86910	0.0435390	0.18911144	3.0060129	20	11 3.2	19.6
258730 2002 GA_{118}	17.1	X	51.37913	111.79927	154.80510	6.30920	0.1326833	0.28665397	2.2780543	20	10 3.5	19.8
258731 2002 GB_{120}	15.4	X	59.36393	203.98248	75.12420	13.27070	0.0954600	0.18252047	3.0779507	20	10 12.6	19.9
258732 2002 GY_{121}	15.3	X	142.58700	173.42009	38.43024	8.84483	0.0371102	0.18727265	3.0256578	20	10 15.4	19.7
258733 2002 GB_{123}	16.9	X	331.05079	74.02087	111.38524	3.29343	0.1367330	0.26507655	2.4000586	20	1 2.7	19.5
258734 2002 GS_{123}	15.5	X	51.92968	212.66650	38.96953	9.87259	0.0343525	0.17834149	3.1258476	20	8 17.6	20.0
258735 2002 GG_{130}	15.6	X	78.62834	342.42748	220.91697	4.73474	0.0998090	0.17538415	3.1608883	20	7 24.6	20.1
258736 2002 GV_{132}	17.1	X	102.83873	281.01265	230.11250	2.33906	0.0810088	0.28039625	2.3118230	20	6 18.9	20.1
258737 2002 GW_{132}	17.4	X	341.05246	26.83007	215.07013	4.66961	0.0552768	0.27422856	2.3463579	20	4 17.1	20.0
258738 2002 GQ_{148}	17.4	X	181.62026	293.72009	277.01033	1.71482	0.0917342	0.30086987	2.2057194	20	12 15.0	20.3
258739 2002 GE_{151}	15.2	X	183.99278	155.45611	4.31796	11.32033	0.0676489	0.18560875	3.0437134	20	9 25.6	19.8
258740 2002 GN_{152}	17.0	X	106.45321	160.25886	111.13772	7.18594	0.1786155	0.29571450	2.2312812	20	12 12.6	20.5
258741 2002 GX_{158}	17.1	X	351.02626	48.52960	178.37363	5.72472	0.2038104	0.27205269	2.3588520	20	3 28.1	18.8
258742 2002 GM_{159}	16.9	X	332.25257	347.55171	227.06478	5.90538	0.0496162	0.26869574	2.3784583	20	2 23.2	19.8
258743 2002 GF_{161}	17.4	X	64.44760	100.64867	123.74969	6.54352	0.1142871	0.28346573	2.2951038	20	8 17.6	20.1
258744 2002 GY_{161}	16.7	X	339.48761	221.78605	37.35912	7.85671	0.0963685	0.27695372	2.3309408	20	5 5.9	18.9
258745 2002 GJ_{163}	17.1	X	22.69997	182.38361	59.13224	4.26899	0.0887658	0.28028458	2.3124370	20	6 30.2	19.3
258746 2002 GH_{165}	15.0	X	351.61123	298.35331	29.04436	12.51600	0.0405939	0.17999582	3.1066651	20	9 4.2	19.3
258747 2002 GN_{177}	17.4	X	286.63538	120.42277	138.18643	1.71327	0.1623658	0.26725004	2.3870281	20	2 7.5	20.7
258748 2002 GR_{177}	17.3	X	50.22572	123.99866	190.99949	8.32992	0.0462553	0.29581337	2.2307840	20	11 26.4	20.1
258749 2002 GZ_{177}	17.6	X	199.09426	268.49372	256.75813	4.80635	0.0694555	0.29890166	2.2153916	20	11 6.5	20.5
258750 2002 GV_{178}	17.5	X	359.19480	347.38635	314.26103	2.45016	0.1872764	0.28380690	2.2932641	20	8 31.5	19.0
258751 2002 GK_{182}	17.9	X	13.33240	236.81224	71.21273	3.09007	0.1791713	0.28596957	2.2816875	20	10 12.4	19.9
258752 2002 GW_{184}	16.2	X	127.90137	70.97819	153.08340	4.80191	0.1241925	0.18667150	3.0321501	20	10 18.1	20.9
258753 2002 HL	15.2	X	93.76495	170.04830	34.98179	17.68487	0.0854564	0.17831762	3.1261265	20	8 22.9	20.1
258754 2002 HB_{2}	17.1	X	179.83272	148.66863	97.16209	6.76731	0.1380357	0.30416326	2.1897686	20	—	—
258755 2002 HF_{3}	15.6	X	113.08364	292.45018	201.76199	12.97886	0.2278452	0.17239411	3.1973322	20	6 21.9	20.9
258756 2002 HR_{3}	15.0	X	72.92232	116.94841	120.96388	10.82355	0.1721965	0.17741806	3.1366844	20	9 14.6	19.6
258757 2002 HM_{12}	15.1	X	328.48174	134.10382	105.03308	17.51369	0.2279297	0.21728742	2.7401836	20	3 13.1	18.6
258758 2002 HE_{15}	16.2	X	155.77118	145.12645	64.65123	3.24323	0.1704516	0.18848834	3.0126341	20	10 26.4	21.2
258759 2002 HQ_{15}	15.9	X	109.27049	81.70957	160.77419	1.52790	0.1352137	0.18505197	3.0498156	20	10 21.5	20.6
258760 2002 HW_{15}	15.9	X	89.31659	122.56189	118.50398	2.21945	0.1415276	0.18030593	3.1031019	20	9 30.4	20.5
258761 2002 HT_{16}	17.5	X	88.57692	5.86976	224.00016	2.15474	0.1149486	0.28773281	2.2723565	20	9 24.6	20.6
258762 2002 HX_{17}	13.3	X	251.69789	103.82703	10.11232	7.18178	0.0626254	0.08334608	5.1905405	20	10 2.1	20.2
258763 2002 JC_{11}	16.7	X	314.98743	138.71683	68.38988	6.49990	0.1523685	0.26350311	2.4096033	20	1 8.2	19.8
258764 2002 JG_{17}	17.7	X	122.68335	320.22669	250.43271	3.54883	0.1099539	0.29040948	2.2583722	20	10 6.3	21.0
258765 2002 JT_{17}	15.9	X	167.80804	146.64411	36.59845	9.98073	0.1524135	0.18537669	3.0462529	20	10 7.2	20.9
258766 2002 JJ_{18}	15.2	X	352.82438	249.09120	36.88669	12.21194	0.1119355	0.17021981	3.2245020	20	7 7.9	19.4
258767 2002 JL_{28}	17.3	X	273.44851	206.51532	55.06058	7.53747	0.1911743	0.26345872	2.4098740	20	1 27.9	21.0
258768 2002 JR_{28}	17.4	X	77.41657	48.93496	211.63490	2.53583	0.1946856	0.28805397	2.2706671	20	11 1.4	20.6
258769 2002 JJ_{29}	17.2	X	71.59127	50.50304	215.85663	2.44038	0.1694533	0.28779439	2.2720323	20	10 31.1	20.2
258770 2002 JK_{31}	16.9	X	78.95506	171.83829	74.58175	7.45156	0.0776830	0.28686404	2.2769420	20	10 5.9	19.9
258771 2002 JQ_{32}	17.3	X	323.09857	25.73778	212.14099	2.05215	0.1924694	0.26875310	2.3781198	20	2 21.4	19.8
258772 2002 JT_{42}	15.2	X	65.36646	177.38366	83.47255	11.77205	0.0965902	0.17846677	3.1243845	20	9 26.6	19.8
258773 2002 JG_{59}	17.1	X	87.32532	7.74524	255.11781	2.98757	0.2100692	0.28862922	2.2676491	20	11 14.5	20.7
258774 2002 JQ_{61}	16.5	X	31.59249	204.66133	99.13521	6.53649	0.1468810	0.28644858	2.2791432	20	10 31.6	19.1
258775 2002 JG_{64}	16.7	X	170.53451	0.78175	228.38858	9.92628	0.1848150	0.29762026	2.2217459	20	12 16.8	20.2
258776 2002 JL_{72}	16.9	X	4.42147	98.14496	125.44318	6.54319	0.1131050	0.27340931	2.3510427	20	5 1.3	19.2
258777 2002 JF_{77}	16.9	X	113.02819	168.48763	16.52116	7.28044	0.1049829	0.28662233	2.2782220	20	8 25.5	20.0
258778 2002 JZ_{78}	15.6	X	249.71701	105.52072	15.50190	10.09101	0.0532245	0.18901334	3.0070529	20	10 24.2	19.8
258779 2002 JR_{79}	15.7	X	269.76337	294.84409	227.82420	4.72096	0.0828919	0.19803292	2.9150396	20	—	—
258780 2002 JF_{87}	17.1	X	19.41486	252.61989	33.54564	5.91190	0.1491733	0.28242960	2.3007137	20	9 14.9	19.3
258781 2002 JU_{87}	15.2	X	133.51092	158.51427	50.48976	13.73426	0.1464876	0.18202251	3.0835617	20	10 9.4	20.3
258782 2002 JH_{88}	15.3	X	31.35531	16.63740	218.31042	17.92037	0.0846667	0.17112805	3.2130828	20	6 26.6	19.8
258783 2002 JU_{91}	15.1	X	43.38306	82.71813	225.92695	4.52226	0.1585601	0.17934576	3.1141675	20	10 30.5	19.2
258784 2002 JT_{100}	16.5	X	229.42093	129.97420	35.89547	1.19972	0.1561699	0.19267348	2.9688488	20	11 12.4	20.9
258785 2002 JS_{132}	15.8	X	89.15944	332.42798	237.65704	4.85438	0.1214718	0.17660394	3.1463168	20	8 17.0	20.5
258786 2002 JV_{134}	17.5	X	155.09904	176.71169	30.97311	4.61211	0.0901170	0.29441649	2.2378345	20	11 8.6	20.4
258787 2002 JD_{135}	15.4	X	156.13799	162.95602	33.52986	10.01895	0.0453672	0.18386855	3.0628877	20	10 11.7	19.8
258788 2002 JO_{138}	17.5	X	247.19896	221.19708	63.39124	2.11439	0.1788615	0.26187586	2.4195749	20	1 31.4	21.4
258789 2002 JC_{140}	16.9	X	80.37605	207.41628	28.38501	7.05513	0.0770207	0.28617673	2.2805863	20	9 20.9	19.7
258790 2002 JD_{143}	15.2	X	50.82293	181.29563	71.68283	12.78246	0.1501051	0.17601571	3.1533228	20	9 5.6	19.7
258791 2002 JF_{144}	15.0	X	17.05648	102.09813	129.05439	16.20179	0.0256921	0.16922972	3.2370665	20	6 2.9	19.7
258792 2002 JS_{146}	16.6	X	37.38257	28.79327	125.57139	24.54677	0.2296709	0.27074939	2.3664158	20	4 8.7	19.1
258793 2002 KN_{13}	16.1	X	337.84733	65.15807	127.61634	9.46249	0.2102813	0.21049219	2.7988442	20	1 22.6	19.1
258794 2002 LA	15.6	X	359.79929	85.99434	124.42043	30.91679	0.2731762	0.21648757	2.7469288	20	4 7.9	18.7
258795 2002 LY_{2}	17.1	X	142.26280	263.98224	258.25002	4.72930	0.1271156	0.28483015	2.2877685	20	8 22.5	20.5
258796 2002 LD_{4}	15.2	X	127.39025	134.85606	80.87805	18.34200	0.1808033	0.18035690	3.1025172	20	10 17.3	20.6
258797 2002 LQ_{5}	15.3	X	46.63899	219.43375	94.11625	12.59215	0.0959693	0.18076489	3.0978473	20	11 5.9	19.7
258798 2002 LX_{8}	16.6	X	120.79732	96.21176	125.64533	5.20897	0.1454809	0.28920923	2.2646162	20	10 24.2	20.0
258799 2002 LA_{9}	17.2	X	98.94834	16.67601	205.47110	5.33243	0.1490055	0.28585708	2.2822861	20	9 28.8	20.4
258800 2002 LR_{20}	17.0	X	29.30156	9.18542	260.43299	7.48010	0.2487460	0.27833551	2.3232198	20	9 16.7	19.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
258801 2002 LA_{25}	17.5	X	8.73354	142.59398	139.63377	3.23882	0.1738184	0.27879101	2.3206886	20	8 18.4	19.4
258802 2002 LK_{51}	15.1	X	235.55173	354.64326	99.37677	11.94211	0.0374427	0.17797147	3.1301786	20	9 10.4	19.7
258803 2002 LV_{52}	16.8	X	354.35865	30.27221	230.10544	22.87226	0.2798828	0.27577829	2.3375595	20	5 30.8	17.8
258804 2002 LT_{55}	17.3	X	311.35136	71.09804	227.68069	19.96397	0.0679248	0.38150090	1.8828064	20	5 20.8	18.7
258805 2002 LX_{56}	17.6	X	247.45837	157.72825	114.00261	10.81716	0.2250536	0.25881271	2.4386285	20	1 13.5	21.5
258806 2002 LA_{61}	15.4	X	203.85924	318.62377	125.94383	12.20246	0.0582790	0.16958178	3.2325847	20	7 14.9	20.2
258807 2002 LS_{61}	15.2	X	355.39993	172.08259	145.03877	11.28602	0.0143142	0.17413873	3.1759413	20	8 19.8	19.4
258808 2002 ME	17.2	X	51.96419	255.50711	115.92834	26.25891	0.0751703	0.40819756	1.7997925	20	—	—
258809 2002 NV_{6}	17.4	X	230.61798	93.06247	255.53274	1.49700	0.1988356	0.26078219	2.4263350	20	4 1.9	21.2
258810 2002 NH_{9}	14.8	X	44.74068	156.13593	93.13789	19.06803	0.1265088	0.17090891	3.2158288	20	8 16.7	19.3
258811 2002 NN_{9}	16.6	X	56.89406	23.94899	247.34219	4.94823	0.1505185	0.28218993	2.3020162	20	10 15.5	19.6
258812 2002 NJ_{14}	15.5	X	97.15067	334.55390	296.84165	9.33390	0.1952078	0.17643544	3.1483198	20	11 13.7	20.7
258813 2002 NO_{21}	16.7	X	20.32339	22.92479	266.59488	5.36032	0.1484676	0.27738406	2.3285294	20	9 14.2	19.2
258814 2002 NH_{28}	17.3	X	292.93381	35.91973	287.82207	1.15645	0.2138266	0.26597544	2.3946480	20	5 5.2	20.1
258815 2002 NP_{34}	16.6	X	292.42407	122.10224	215.24462	6.04425	0.1631095	0.26949778	2.3737370	20	6 2.9	19.2
258816 2002 NR_{35}	16.9	X	356.97019	34.47846	256.17238	5.37259	0.1934192	0.27359087	2.3500025	20	8 3.1	18.6
258817 2002 NY_{57}	14.9	X	183.50475	88.06817	126.14936	17.37395	0.1981904	0.18270885	3.0758347	20	11 25.5	20.3
258818 2002 NG_{59}	17.7	X	339.26266	137.00502	148.39790	1.71588	0.1824025	0.27097712	2.3650898	20	6 10.0	19.3
258819 2002 NH_{60}	18.0	X	281.10021	136.88886	183.65979	0.54760	0.1922263	0.26546296	2.3977290	20	4 18.9	21.2
258820 2002 NW_{62}	15.7	X	292.57690	139.77610	332.23683	4.79201	0.0490046	0.18250288	3.0781485	20	12 7.7	19.8
258821 2002 NA_{68}	17.4	X	38.42250	168.11256	82.66146	5.65589	0.1998282	0.27596267	2.3365182	20	9 2.2	19.9
258822 2002 NY_{74}	17.4	X	270.25683	231.71366	79.98840	3.11247	0.2106338	0.26314471	2.4117907	20	3 25.3	20.9
258823 2002 OF_{2}	16.6	X	265.62767	93.30524	243.81467	7.78543	0.2340140	0.26325034	2.4111455	20	4 16.0	20.3
258824 2002 OM_{2}	16.1	X	240.61327	107.11833	292.05716	10.75598	0.2485822	0.26479861	2.4017377	20	6 11.9	19.9
258825 2002 OF_{19}	16.5	X	222.67607	219.71419	128.81874	16.58597	0.1279063	0.26059094	2.4275220	20	4 5.5	20.5
258826 2002 OZ_{20}	17.1	X	298.27640	259.47438	111.11566	2.26639	0.1987178	0.27286684	2.3541576	20	7 28.6	19.3
258827 2002 OL_{23}	17.4	X	236.50792	132.28569	304.00436	18.31052	0.0728755	0.38486706	1.8718120	20	8 25.6	19.4
258828 2002 OH_{27}	16.7	X	329.30498	319.82100	293.40881	5.53989	0.1099187	0.26514816	2.3996264	20	4 5.1	19.4
258829 2002 OY_{27}	15.3	X	75.58482	158.03329	137.30863	10.05688	0.0665974	0.17536242	3.1611495	20	11 12.2	20.0
258830 2002 OB_{28}	17.7	X	217.27910	132.43893	172.29349	0.94115	0.1911152	0.25385487	2.4702773	20	1 29.6	21.8
258831 2002 OB_{31}	17.2	X	297.92995	235.70717	74.07159	5.83737	0.2350294	0.26640239	2.3920888	20	4 21.7	20.0
258832 2002 PA_{10}	17.0	X	246.59048	174.86780	201.28159	5.35249	0.1532417	0.26593703	2.3948786	20	5 29.2	20.5
258833 2002 PB_{10}	15.6	X	73.74371	18.93019	237.71204	4.58279	0.0779079	0.16881539	3.2423609	20	9 19.1	20.2
258834 2002 PF_{13}	17.0	X	303.48232	27.30003	296.03202	4.63790	0.1727948	0.26989805	2.3713895	20	5 28.2	19.6
258835 2002 PH_{14}	16.7	X	339.28184	343.18375	287.14212	8.32556	0.0830841	0.26868270	2.3785352	20	5 23.7	19.3
258836 2002 PN_{14}	15.3	X	156.13946	286.27615	272.00299	8.31018	0.0643019	0.17487221	3.1670544	20	10 6.9	20.3
258837 2002 PZ_{25}	16.8	X	312.04679	44.77247	309.13242	7.01416	0.1552951	0.27340991	2.3510392	20	8 5.7	18.8
258838 2002 PS_{26}	17.6	X	233.40165	32.64532	291.17587	2.53249	0.1779699	0.25800034	2.4437449	20	3 5.6	21.5
258839 2002 PA_{28}	16.7	X	270.63966	111.16020	274.55972	4.33598	0.2418681	0.26945945	2.3739621	20	6 27.8	19.8
258840 2002 PP_{29}	17.0	X	236.64633	135.93483	242.55200	3.24251	0.1841219	0.26427387	2.4049160	20	5 17.6	20.7
258841 2002 PP_{32}	17.6	X	201.82136	179.69739	167.08472	3.57949	0.2019231	0.25506163	2.4624795	20	3 7.3	21.7
258842 2002 PJ_{35}	17.3	X	293.59505	12.01521	304.31444	1.31148	0.2093356	0.26634141	2.3924539	20	4 26.1	20.2
258843 2002 PB_{63}	17.6	X	243.40106	259.09199	60.06430	0.18169	0.2381457	0.25896549	2.4376693	20	3 6.3	21.6
258844 2002 PY_{65}	17.4	X	113.98134	315.24449	145.59773	23.57799	0.0613004	0.37091610	1.9184578	20	4 23.4	20.0
258845 2002 PH_{84}	17.0	X	131.06569	210.09140	132.71126	5.84308	0.2959860	0.24258348	2.5462160	20	1 11.3	21.0
258846 2002 PE_{86}	16.9	X	347.47873	291.74043	68.78046	3.63464	0.2261517	0.27878903	2.3206996	20	11 16.5	18.7
258847 2002 PC_{93}	17.5	X	297.47571	110.04570	299.01305	18.13512	0.0839582	0.38807451	1.8614840	20	11 5.3	19.4
258848 2002 PD_{95}	16.8	X	297.90979	313.79195	36.93643	5.02440	0.2461490	0.26966914	2.3727312	20	6 16.4	19.3
258849 2002 PE_{95}	16.7	X	222.40510	0.35755	5.63277	8.20599	0.2317306	0.25982163	2.4323114	20	4 14.1	20.8
258850 2002 PK_{96}	16.0	X	150.69975	269.19787	23.75004	4.47470	0.2192215	0.24136100	2.5548063	20	—	—
258851 2002 PC_{99}	16.5	X	191.48840	7.55230	344.67613	9.83672	0.2296445	0.25353387	2.4723620	20	3 5.9	20.7
258852 2002 PF_{103}	16.7	X	258.66365	155.69542	241.90005	4.55740	0.1563002	0.27005771	2.3704547	20	7 11.4	19.7
258853 2002 PL_{105}	17.0	X	279.07900	105.09005	240.98321	6.40548	0.0926949	0.26655087	2.3912004	20	6 7.1	19.9
258854 2002 PD_{111}	16.8	X	348.62597	54.61546	223.24361	8.00642	0.1391102	0.26887391	2.3774074	20	6 21.2	18.9
258855 2002 PP_{117}	16.5	X	229.13113	129.95359	233.07764	10.25997	0.2057926	0.25919138	2.4362528	20	4 17.5	20.5
258856 2002 PM_{136}	17.3	X	294.01588	241.24501	105.00936	3.54504	0.2643049	0.26898702	2.3767409	20	5 31.7	19.8
258857 2002 PH_{139}	17.7	X	140.72816	209.98265	151.23711	5.39526	0.3170915	0.24556661	2.5255531	20	2 12.0	21.8
258858 2002 PY_{139}	16.6	X	291.14444	144.99830	121.10474	12.67355	0.2337294	0.26032752	2.4291593	20	2 15.7	20.1
258859 2002 PJ_{142}	17.6	X	297.54830	99.28550	161.86981	23.12529	0.0527358	0.36777586	1.9293628	20	2 27.5	19.4
258860 2002 PO_{154}	16.8	X	230.08095	44.28172	315.37293	1.78968	0.2138594	0.26015959	2.4302045	20	4 14.4	20.7
258861 2002 PA_{156}	17.0	X	3.61753	165.30783	129.39296	4.54688	0.1295114	0.27457363	2.3443917	20	8 22.3	19.0
258862 2002 PW_{160}	17.5	X	262.16775	259.13952	95.71677	3.61972	0.1736436	0.26616295	2.3935233	20	5 16.0	20.8
258863 2002 PB_{163}	17.5	X	298.09887	255.21240	117.14453	6.23613	0.1455697	0.27322031	2.3521268	20	8 9.9	19.6
258864 2002 PF_{163}	17.9	X	236.77526	206.55375	128.79981	2.13430	0.2005407	0.25994195	2.4315608	20	3 23.5	21.7
258865 2002 PN_{164}	17.1	X	115.27048	34.62638	339.49769	2.89700	0.2988968	0.24443074	2.5333712	20	2 3.9	20.6
258866 2002 PL_{166}	16.9	X	315.71347	295.02077	114.71630	7.36526	0.1024671	0.28192784	2.3034427	20	11 18.7	19.1
258867 2002 PV_{167}	17.0	X	285.03909	263.36377	141.44293	2.84800	0.1850363	0.27427577	2.3460887	20	8 29.3	19.0
258868 2002 PQ_{172}	15.6	X	121.53885	345.91332	254.83126	4.08822	0.1558951	0.17521569	3.1629141	20	10 29.3	20.6
258869 2002 PG_{175}	16.9	X	282.67834	137.81771	94.37658	6.87130	0.1806692	0.25469296	2.4648553	20	—	—
258870 2002 PD_{179}	17.8	X	259.34215	79.52807	235.42210	8.77870	0.2500419	0.26076850	2.4264199	20	3 9.8	22.0
258871 2002 PG_{179}	16.6	X	315.06148	344.63240	294.53197	6.78637	0.1352608	0.26318545	2.4115418	20	4 15.1	19.4
258872 2002 PH_{182}	15.6	X	179.94438	65.61143	131.32487	5.73390	0.1301033	0.17681919	3.1437629	20	11 2.5	20.6
258873 2002 PO_{190}	16.8	X	167.22492	270.67422	101.11902	8.60497	0.1369375	0.25395764	2.4696109	20	3 9.0	20.6
258874 2002 PS_{190}	15.2	X	218.91143	40.69004	72.87171	7.40647	0.0357300	0.16860857	3.2450118	20	9 12.6	19.9
258875 2002 QP_{2}	17.3	X	319.69718	199.47757	153.64562	3.88796	0.1952413	0.27351418	2.3504417	20	8 17.6	19.0
258876 2002 QG_{12}	17.4	X	233.28733	160.61010	212.47297	3.16281	0.2072998	0.26251715	2.4156328	20	5 5.8	21.2
258877 2002 QH_{14}	17.2	X	35.84339	36.83349	238.57729	6.22802	0.1048805	0.27536677	2.3398878	20	9 11.4	19.9
258878 2002 QD_{29}	16.9	X	258.52536	262.60287	125.26164	7.99596	0.2823427	0.26745461	2.3858107	20	6 11.8	20.4
258879 2002 QV_{29}	17.7	X	274.74397	252.82901	55.44255	3.14075	0.1977051	0.26234595	2.4166837	20	3 26.9	21.1
258880 2002 QM_{34}	16.9	X	261.16883	76.69623	3.87857	4.92458	0.1191891	0.27580112	2.3374304	20	9 23.3	19.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
258881 2002 QS_{44}	16.7	X	282.36495	21.21309	343.70121	9.67144	0.1865039	0.26744910	2.3858435	20	6 24.2	19.7
258882 2002 QL_{46}	17.2	X	298.26834	274.49416	90.02073	5.86331	0.2286950	0.27235161	2.3571258	20	7 13.2	19.3
258883 2002 QA_{49}	17.3	X	156.32062	268.58824	53.10708	0.97986	0.1397628	0.24419187	2.5350231	20	—	—
258884 2002 QJ_{49}	17.7	X	284.04368	87.14765	292.44126	0.67776	0.1905728	0.27138935	2.3626942	20	7 17.7	20.3
258885 2002 QP_{55}	17.9	X	243.34751	268.00455	48.32758	2.85487	0.2187892	0.25775921	2.4452687	20	3 5.3	21.8
258886 2002 QO_{61}	17.3	X	321.39418	112.16089	166.77245	2.57610	0.1539581	0.26524120	2.3990653	20	4 27.4	19.7
258887 2002 QV_{61}	16.9	X	124.76952	103.26250	257.69656	3.78031	0.1308878	0.24438212	2.5337073	20	1 5.8	20.2
258888 2002 QA_{63}	16.9	X	19.56161	182.65006	71.59940	3.68268	0.1667980	0.27105377	2.3646439	20	7 24.9	18.9
258889 2002 QL_{63}	17.3	X	208.16745	17.61050	17.62931	2.29201	0.1986043	0.26111432	2.4242771	20	5 11.2	21.1
258890 2002 QH_{64}	17.1	X	312.88436	280.78883	343.50456	10.58170	0.2912480	0.26418803	2.4054369	20	2 28.9	20.2
258891 2002 QR_{66}	17.4	X	195.33534	57.53072	341.32364	5.84397	0.0901408	0.26137949	2.4226372	20	5 4.4	21.0
258892 2002 QZ_{68}	17.9	X	231.50386	320.74027	34.48957	2.59999	0.2134410	0.26030413	2.4293048	20	4 11.2	21.6
258893 2002 QL_{69}	16.5	X	72.04173	14.91797	11.38028	4.17713	0.1962031	0.23914483	2.5705657	20	—	—
258894 2002 QB_{74}	16.6	X	225.78347	237.26764	355.23130	13.59019	0.1984919	0.24480892	2.5307615	20	—	—
258895 2002 QQ_{75}	16.6	X	150.08501	32.32614	140.17214	6.61331	0.0504686	0.27624634	2.3349183	20	9 16.7	19.7
258896 2002 QW_{75}	17.2	X	294.54412	282.07919	100.09357	7.47054	0.1243125	0.27305232	2.3530914	20	8 24.1	19.6
258897 2002 QU_{76}	17.4	X	243.64750	175.51920	207.20449	6.17040	0.1261882	0.26693343	2.3889152	20	6 6.8	20.8
258898 2002 QE_{80}	16.6	X	235.20633	184.47914	104.44371	7.06864	0.0972876	0.25297683	2.4759900	20	1 30.7	20.3
258899 2002 QZ_{85}	17.1	X	291.95082	221.51453	100.00562	6.92206	0.1217206	0.26512157	2.3997869	20	5 18.5	20.0
258900 2002 QH_{86}	17.6	X	187.46729	240.50692	175.84145	3.74156	0.0823695	0.26274320	2.4142471	20	5 22.3	21.0
258901 2002 QT_{87}	17.4	X	199.70417	273.50131	152.72483	2.89227	0.2177740	0.26287854	2.4134185	20	6 12.4	21.3
258902 2002 QX_{89}	17.3	X	116.24238	254.23526	120.78325	5.29899	0.2298895	0.24364235	2.5388333	20	1 27.8	20.7
258903 2002 QA_{94}	16.9	X	209.19012	235.76707	20.49137	2.96429	0.1088032	0.24516151	2.5283345	20	—	—
258904 2002 QA_{100}	17.0	X	196.09015	246.79311	140.49499	10.03519	0.2282198	0.25767735	2.4457865	20	4 24.8	21.3
258905 2002 QT_{108}	17.8	X	194.91672	49.20843	359.87412	0.82082	0.1814636	0.26195887	2.4190637	20	5 17.7	21.7
258906 2002 QQ_{112}	17.0	X	77.11390	258.43058	297.13635	5.59716	0.0817550	0.26922084	2.3753645	20	7 17.2	19.9
258907 2002 QP_{113}	15.1	X	242.13813	84.51735	241.96544	8.67991	0.0803044	0.14709567	3.5541531	20	3 30.7	20.6
258908 2002 QQ_{114}	17.3	X	267.28165	116.33940	291.61012	5.46367	0.0831676	0.27302485	2.3532493	20	8 19.4	20.0
258909 2002 QY_{115}	17.2	X	275.05487	161.67446	284.15155	4.88186	0.1142546	0.28040879	2.3117541	20	10 22.9	19.6
258910 2002 QL_{118}	17.4	X	242.44799	338.29691	97.93577	4.66829	0.1189139	0.27335814	2.3513361	20	8 22.3	20.3
258911 2002 QD_{129}	17.7	X	234.16441	298.37256	66.96163	2.08490	0.1714685	0.26341623	2.4101331	20	4 29.5	21.4
258912 2002 QG_{130}	17.1	X	42.84417	151.18576	111.77400	7.60256	0.0894793	0.27503859	2.3417488	20	9 8.0	19.9
258913 2002 QM_{132}	15.0	X	54.21488	323.46156	57.62989	3.79174	0.0888553	0.12697919	3.9202553	20	—	—
258914 2002 RP_{5}	16.5	X	318.13114	59.26762	275.25043	6.87463	0.1379877	0.26887816	2.3773823	20	7 18.7	18.8
258915 2002 RA_{10}	17.2	X	294.16870	149.57806	170.22756	3.70151	0.1830266	0.26574985	2.3960030	20	5 8.2	20.1
258916 2002 RC_{17}	17.2	X	226.06143	37.45965	358.84831	1.02795	0.1889826	0.26249078	2.4157946	20	5 29.9	21.0
258917 2002 RH_{20}	17.2	X	235.96546	261.42648	91.17335	3.57321	0.2128404	0.25899986	2.4374536	20	4 13.4	21.1
258918 2002 RS_{29}	16.5	X	239.28958	157.38863	230.67596	4.12047	0.1936179	0.26380262	2.4077791	20	6 1.4	20.0
258919 2002 RD_{37}	17.1	X	149.85220	124.47580	217.58027	2.03285	0.2183552	0.24528678	2.5274736	20	1 19.2	21.1
258920 2002 RB_{38}	16.6	X	254.42408	29.78093	357.84198	4.02494	0.2015779	0.26713228	2.3877296	20	6 16.0	20.0
258921 2002 RM_{38}	17.2	X	103.28144	82.31869	293.75482	4.06085	0.1962493	0.24203035	2.5500938	20	1 8.1	20.3
258922 2002 RJ_{41}	17.1	X	159.44534	293.69167	2.77246	5.84574	0.2705893	0.24283054	2.5444886	20	—	—
258923 2002 RA_{42}	17.1	X	270.54698	310.10062	86.94961	2.40964	0.1928104	0.26969168	2.3725991	20	7 22.5	19.8
258924 2002 RF_{49}	17.2	X	300.90147	229.55583	121.57655	3.20791	0.2137439	0.26876871	2.3780277	20	6 29.0	19.6
258925 2002 RX_{53}	17.2	X	288.87974	216.75262	132.83054	2.89448	0.2118863	0.26708442	2.3880148	20	6 6.8	20.0
258926 2002 RV_{60}	16.1	X	286.24379	328.03898	28.54972	7.12071	0.2114163	0.26638700	2.3921810	20	6 11.9	18.9
258927 2002 RC_{67}	16.7	X	197.32491	144.77535	247.26689	6.37310	0.2252151	0.25647987	2.4533934	20	4 26.7	20.9
258928 2002 RL_{67}	16.1	X	248.91764	84.78140	298.49276	6.23939	0.2677122	0.26314554	2.4117857	20	5 27.1	20.0
258929 2002 RJ_{74}	17.3	X	238.47433	328.54793	29.96190	1.59069	0.2015494	0.26098846	2.4250564	20	4 22.2	20.9
258930 2002 RJ_{77}	17.0	X	244.86776	205.89930	175.27275	4.29666	0.0961300	0.26439625	2.4041738	20	6 10.0	20.2
258931 2002 RB_{80}	17.1	X	277.72585	139.98673	167.79915	6.31645	0.1560434	0.26044029	2.4284581	20	4 4.3	20.3
258932 2002 RS_{88}	16.4	X	222.26155	129.81852	336.95701	6.83371	0.0706819	0.27458687	2.3443163	20	9 12.0	19.3
258933 2002 RC_{90}	17.0	X	288.47825	92.59640	293.15514	1.50043	0.2321513	0.26999213	2.3708385	20	7 26.9	19.4
258934 2002 RV_{91}	17.1	X	146.53474	321.30573	10.06556	7.24570	0.2538044	0.24229547	2.5482333	20	1 8.8	21.2
258935 2002 RL_{95}	17.0	X	230.79978	175.84049	178.19407	3.31336	0.2355905	0.25755990	2.4465300	20	4 8.2	21.1
258936 2002 RX_{126}	14.7	X	115.26076	327.61605	277.17317	14.78466	0.1467726	0.17352854	3.1833821	20	10 23.7	20.0
258937 2002 RO_{128}	16.5	X	251.94652	145.12352	249.37266	10.27828	0.1610527	0.26709210	2.3879690	20	6 27.5	19.8
258938 2002 RO_{136}	16.5	X	214.94525	343.23996	36.98372	7.30617	0.1531860	0.25918576	2.4362880	20	4 30.5	20.4
258939 2002 RG_{142}	16.8	X	35.79006	183.56589	219.76208	4.86844	0.1315150	0.23440132	2.6051297	20	—	—
258940 2002 RA_{144}	16.9	X	231.34760	118.48397	301.60800	4.09997	0.1366066	0.26603377	2.3942980	20	7 12.2	20.1
258941 2002 RD_{160}	16.9	X	53.88191	257.21993	338.33009	6.15397	0.0818180	0.27038124	2.3685634	20	8 11.6	19.6
258942 2002 RG_{160}	16.9	X	144.02954	216.53172	338.49154	6.99647	0.0470175	0.27724680	2.3292978	20	10 5.6	20.1
258943 2002 RV_{160}	17.7	X	192.86438	78.68646	316.06818	1.13650	0.1910119	0.25745200	2.4472135	20	4 27.4	21.7
258944 2002 RV_{169}	16.8	X	231.77694	80.19212	309.91094	6.30417	0.1340391	0.26442620	2.4039922	20	5 31.9	20.3
258945 2002 RF_{206}	16.7	X	263.33231	73.06046	336.77301	4.99598	0.1199627	0.26970050	2.3725473	20	8 12.3	19.4
258946 2002 RJ_{206}	16.4	X	236.77216	68.77971	346.48367	6.93340	0.1604916	0.26574559	2.3960286	20	7 10.2	19.8
258947 2002 RT_{210}	16.9	X	268.21814	118.75048	177.39078	6.25602	0.0943665	0.25526733	2.4611565	20	3 15.5	20.2
258948 2002 RN_{211}	16.9	X	231.04616	249.41966	108.06124	4.65533	0.2023797	0.25766685	2.4458530	20	4 16.4	20.8
258949 2002 RK_{215}	17.0	X	230.93906	281.96299	107.30928	5.89041	0.1165280	0.26314025	2.4118180	20	6 2.2	20.4
258950 2002 RU_{219}	18.0	X	234.28745	269.26830	66.29830	2.95150	0.2000049	0.25815457	2.4427714	20	3 22.3	21.8
258951 2002 RF_{220}	16.4	X	55.45600	51.32042	17.03376	6.28842	0.1976166	0.24065556	2.5597965	20	—	—
258952 2002 RS_{221}	16.8	X	303.04344	283.37714	63.39871	3.38611	0.2193447	0.26994149	2.3711350	20	6 25.3	19.0
258953 2002 RV_{235}	15.6	X	232.72636	155.05128	339.49062	9.82275	0.0426791	0.16862992	3.2447380	20	10 15.7	20.4
258954 2002 RH_{238}	17.4	X	248.23737	321.09592	28.02466	2.29518	0.1856853	0.26130305	2.4231096	20	4 20.9	21.2
258955 2002 RE_{239}	16.2	X	349.04907	310.30826	172.70658	15.03500	0.0364239	0.24188551	2.5511117	20	—	—
258956 2002 RK_{245}	17.1	X	324.53007	198.32279	105.25341	3.54557	0.2304444	0.26931075	2.3748358	20	5 29.7	19.1
258957 2002 RY_{252}	17.0	X	93.63126	222.17415	140.81443	1.89226	0.0177384	0.23951624	2.5679077	20	—	—
258958 2002 RS_{259}	17.5	X	218.13466	236.58962	130.75044	3.51189	0.1210264	0.25876484	2.4389293	20	4 20.5	21.2
258959 2002 RJ_{277}	17.2	X	53.15494	289.27853	107.77231	2.35668	0.1520253	0.23703504	2.5857966	20	—	—
258960 2002 RY_{279}	17.1	X	162.70751	311.53890	197.66465	5.26916	0.0759650	0.27205830	2.3588196	20	8 26.7	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
258961 2002 SN_{1}	16.6	X	220.63167	136.69088	350.82115	4.11525	0.1701038	0.27382595	2.3486573	20	9 25.6	19.9
258962 2002 SJ_{8}	17.5	X	145.42671	182.22445	192.79514	2.76266	0.2297391	0.24627174	2.5207300	20	2 24.6	21.5
258963 2002 SA_{13}	17.7	X	241.45392	94.06351	315.16437	19.03775	0.1078309	0.37754553	1.8959338	20	7 23.8	19.5
258964 2002 SF_{13}	17.2	X	108.35045	172.80217	302.67541	17.75274	0.0821128	0.36719387	1.9314009	20	4 22.6	19.7
258965 2002 SM_{21}	17.3	X	154.72157	341.51707	26.51358	6.01614	0.1441401	0.24734981	2.5134003	20	2 20.8	21.2
258966 2002 SB_{23}	17.1	X	110.50691	241.68859	165.00433	4.14945	0.2555997	0.24394552	2.5367295	20	3 4.5	20.6
258967 2002 SZ_{28}	17.2	X	231.32718	277.17076	133.75569	2.12826	0.1681831	0.26317347	2.4116150	20	6 25.9	20.7
258968 2002 SQ_{32}	16.4	X	63.32119	76.23067	9.28589	23.57863	0.2475560	0.24031017	2.5622487	20	2 27.8	19.3
258969 2002 SF_{33}	17.1	X	206.22296	72.97278	328.78564	3.80598	0.2487390	0.25779625	2.4450345	20	5 15.3	21.3
258970 2002 SZ_{33}	17.2	X	271.15412	255.24732	108.79986	3.09572	0.1928101	0.26534371	2.3984473	20	6 5.7	20.3
258971 2002 SL_{37}	17.0	X	79.87919	352.25721	45.18883	3.59216	0.2511776	0.23754921	2.5820639	20	1 10.9	19.7
258972 2002 SS_{38}	16.9	X	258.36229	305.67445	55.22810	3.30184	0.2031363	0.26265652	2.4147783	20	5 15.3	20.3
258973 2002 ST_{41}	17.4	X	48.10568	189.70151	13.73438	22.00318	0.0371840	0.37204792	1.9145651	20	5 31.5	19.7
258974 2002 SD_{44}	17.0	X	205.52859	143.38984	255.68530	1.10477	0.1735027	0.25874089	2.4390798	20	5 14.9	20.8
258975 2002 SV_{54}	16.7	X	270.71152	314.88718	55.03757	5.11851	0.2102435	0.26715696	2.3875825	20	6 10.0	19.7
258976 2002 SX_{57}	16.8	X	312.80104	261.41127	110.56065	4.17770	0.1943844	0.27210107	2.3585724	20	9 4.4	18.5
258977 2002 SB_{64}	16.5	X	121.96276	22.41598	317.33132	28.47629	0.0898706	0.23868437	2.5738707	20	—	—
258978 2002 SL_{67}	18.0	X	191.59157	58.36770	292.02893	17.14709	0.0982273	0.36315380	1.9456990	20	2 12.1	20.6
258979 2002 SQ_{70}	16.2	X	256.84582	185.01618	26.88286	18.41373	0.1723820	0.24161689	2.5530022	20	—	—
258980 2002 SN_{71}	17.6	X	348.46987	323.00609	182.81615	0.58062	0.0244536	0.24236643	2.5477359	20	—	—
258981 2002 TP_{5}	17.1	X	243.98557	179.75331	163.54660	2.78289	0.2088749	0.25807453	2.4432765	20	4 8.4	21.0
258982 2002 TP_{7}	16.7	X	195.72278	308.08369	98.06966	2.30120	0.1765321	0.25637580	2.4540573	20	5 15.6	20.6
258983 2002 TQ_{10}	17.2	X	250.47793	333.44229	16.32989	3.74912	0.1639208	0.26072790	2.4266718	20	4 25.8	20.7
258984 2002 TE_{18}	16.4	X	283.10216	265.37644	11.49972	14.48621	0.1295520	0.25523405	2.4613704	20	3 8.3	19.8
258985 2002 TO_{24}	16.5	X	83.19704	176.88847	184.65861	14.66471	0.1866228	0.23408796	2.6074540	20	—	—
258986 2002 TP_{28}	16.5	X	286.83736	269.34951	28.03819	12.98793	0.2094777	0.25841105	2.4411549	20	3 27.5	19.9
258987 2002 TH_{29}	16.9	X	318.35999	304.52233	60.51808	2.24669	0.1945556	0.27090626	2.3655022	20	9 5.6	18.6
258988 2002 TB_{32}	17.1	X	252.95671	157.16710	220.15045	0.40440	0.2341294	0.26204040	2.4185619	20	5 27.8	20.7
258989 2002 TR_{33}	17.0	X	291.64385	101.24585	223.77252	1.28322	0.1803169	0.26380755	2.4077491	20	5 11.3	19.6
258990 2002 TA_{37}	17.0	X	87.42022	212.68338	200.13992	4.99761	0.2632596	0.23963931	2.5670284	20	2 12.4	20.0
258991 2002 TP_{48}	17.0	X	237.82093	342.82219	30.40601	4.44005	0.2099293	0.25850728	2.4405490	20	5 9.3	20.9
258992 2002 TU_{48}	16.9	X	266.80777	349.80999	16.84327	4.75239	0.2013131	0.26216562	2.4177917	20	6 1.3	20.1
258993 2002 TN_{53}	16.4	X	220.41917	327.96308	69.80926	2.24705	0.1863215	0.25672983	2.4518007	20	5 26.9	20.3
258994 2002 TH_{60}	17.7	X	223.17018	80.21365	345.54810	20.40932	0.0933495	0.37678086	1.8984981	20	7 31.4	20.0
258995 2002 TC_{63}	16.2	X	297.79788	265.95400	343.05697	5.53909	0.1267389	0.25170842	2.4843010	20	2 16.2	19.4
258996 2002 TS_{65}	16.7	X	214.76653	37.58434	18.86606	6.45094	0.1405637	0.26039979	2.4287098	20	6 17.6	20.5
258997 2002 TQ_{68}	16.3	X	53.99980	290.51216	120.41186	13.76141	0.2387818	0.23349156	2.6118923	20	—	—
258998 2002 TD_{69}	17.1	X	289.76980	155.38740	244.81046	16.11903	0.1147691	0.38466858	1.8724558	20	9 28.5	18.6
258999 2002 TZ_{74}	16.7	X	321.26598	269.81882	77.26706	7.01953	0.1431805	0.27057601	2.3674266	20	8 19.3	18.9
259000 2002 TE_{92}	17.5	X	289.91306	335.60077	332.45706	1.06987	0.1686183	0.26119015	2.4238079	20	4 16.5	20.6
259001 2002 TP_{92}	16.6	X	163.19948	255.08953	18.09173	3.08464	0.1875378	0.23774509	2.5806455	20	—	—
259002 2002 TM_{98}	17.4	X	146.02911	33.16444	21.47032	6.00355	0.1156947	0.25174867	2.4840362	20	4 5.5	20.9
259003 2002 TX_{98}	17.7	X	264.50104	146.08345	182.01575	0.89243	0.1888841	0.26006700	2.4307813	20	4 10.6	21.3
259004 2002 TU_{102}	17.3	X	160.70299	94.98653	234.07618	2.67650	0.2124906	0.24358848	2.5392076	20	1 13.1	21.3
259005 2002 TD_{104}	16.9	X	91.65036	89.76847	332.90603	8.41409	0.1666684	0.24419701	2.5349875	20	2 17.7	19.9
259006 2002 TU_{104}	17.0	X	260.51012	202.62690	223.86313	5.95950	0.0728143	0.27092054	2.3654191	20	9 5.7	20.0
259007 2002 TV_{110}	16.9	X	8.99737	16.50703	294.46197	6.10129	0.1261912	0.27249273	2.3563119	20	9 21.7	19.4
259008 2002 TE_{115}	16.1	X	55.99673	177.06655	222.37798	14.63391	0.1236822	0.23525633	2.5988139	20	—	—
259009 2002 TV_{117}	16.1	X	311.36500	197.26310	248.69392	7.00049	0.0323199	0.22601965	2.6691434	20	12 13.2	19.5
259010 2002 TC_{118}	16.3	X	118.06573	195.41873	226.19842	13.66470	0.1454606	0.24699341	2.5158175	20	3 12.6	20.0
259011 2002 TN_{119}	16.7	X	63.26642	85.49396	316.37879	7.03124	0.1856469	0.23558714	2.5963805	20	—	—
259012 2002 TJ_{121}	16.7	X	60.63728	105.68815	315.40572	6.18116	0.1753803	0.23690859	2.5867165	20	—	—
259013 2002 TJ_{122}	16.7	X	90.54368	189.15247	87.68644	7.28012	0.1779308	0.28031548	2.3122670	20	12 2.3	20.2
259014 2002 TU_{127}	16.7	X	278.34160	309.40139	47.26540	6.62690	0.1419558	0.26571214	2.3962297	20	6 12.4	19.6
259015 2002 TK_{145}	16.8	X	315.38926	59.17819	226.24304	1.95046	0.1800782	0.26197199	2.4189830	20	4 21.0	19.1
259016 2002 TY_{150}	17.1	X	119.71728	21.02229	269.64247	2.20533	0.1568765	0.23197851	2.6232371	20	—	—
259017 2002 TH_{158}	16.5	X	65.21484	37.28459	73.09947	14.30969	0.2645629	0.24272247	2.5452438	20	4 6.8	19.5
259018 2002 TD_{159}	16.2	X	53.42009	195.50568	110.97700	9.88142	0.1431903	0.27828276	2.3235134	20	11 29.4	19.4
259019 2002 TW_{174}	16.9	X	117.24271	206.42827	119.67437	5.93325	0.2579139	0.23697989	2.5861977	20	—	—
259020 2002 TN_{177}	17.0	X	325.23274	87.95532	242.72244	17.67327	0.0555537	0.37861431	1.8923641	20	8 6.8	19.1
259021 2002 TL_{189}	16.5	X	97.81443	175.99344	214.39286	12.50351	0.2544601	0.24094557	2.5577421	20	1 24.6	19.9
259022 2002 TF_{190}	17.1	X	290.28936	221.23312	118.66382	5.89675	0.2254132	0.26211312	2.4181146	20	5 24.7	20.0
259023 2002 TD_{194}	16.8	X	159.21864	29.04185	59.22712	2.14932	0.1513429	0.25671638	2.4518863	20	6 3.8	20.5
259024 2002 TF_{194}	17.1	X	225.78077	18.31503	24.67866	1.39958	0.1807346	0.26115922	2.4239992	20	6 8.2	20.9
259025 2002 TD_{200}	16.0	X	124.03635	329.09189	36.77899	13.97386	0.1183249	0.23676954	2.5877292	20	1 13.2	19.8
259026 2002 TJ_{208}	16.2	X	196.91363	170.84000	217.41239	14.60686	0.1847883	0.25409685	2.4687088	20	4 23.1	20.1
259027 2002 TD_{215}	17.0	X	217.47085	306.89224	133.91581	5.53252	0.2031320	0.26451119	2.4034773	20	7 17.9	20.8
259028 2002 TW_{217}	17.1	X	83.96570	59.67968	295.60547	2.18534	0.1962415	0.23424303	2.6063031	20	—	—
259029 2002 TX_{221}	16.8	X	118.02340	27.05721	347.31938	12.71380	0.2121858	0.24180095	2.5517064	20	1 30.5	20.5
259030 2002 TN_{223}	17.5	X	79.08060	34.11269	28.26361	6.22809	0.2630015	0.23900453	2.5715717	20	2 17.2	20.3
259031 2002 TU_{224}	17.0	X	257.97617	274.31781	137.51351	2.87989	0.1752855	0.26558996	2.3969646	20	7 28.1	20.1
259032 2002 TZ_{225}	16.7	X	227.55135	289.08239	109.92240	4.54165	0.2550648	0.25855413	2.4402542	20	5 30.9	20.9
259033 2002 TW_{227}	16.8	X	266.82747	241.58885	126.21666	3.30671	0.1997493	0.26253960	2.4154952	20	6 4.5	20.0
259034 2002 TV_{232}	16.1	X	8.11447	139.33341	308.53874	12.73782	0.2259934	0.23196040	2.6233736	20	—	—
259035 2002 TA_{236}	16.3	X	203.59058	128.63030	300.26030	10.40593	0.2329010	0.25921129	2.4361280	20	6 18.7	20.5
259036 2002 TZ_{238}	16.5	X	227.53372	268.70618	84.35083	8.36303	0.1197678	0.25569454	2.4584143	20	4 14.6	20.2
259037 2002 TV_{244}	16.9	X	89.80450	34.94810	7.54115	1.76819	0.2046514	0.23936819	2.5689664	20	1 25.9	19.8
259038 2002 TK_{250}	17.1	X	279.65051	130.90094	220.19883	3.32520	0.1769985	0.26334784	2.4105504	20	6 1.3	19.9
259039 2002 TM_{254}	17.2	X	259.30908	261.95801	105.29111	2.81948	0.1975971	0.26187993	2.4195498	20	5 26.1	20.6
259040 2002 TQ_{256}	17.3	X	218.47399	162.36804	205.60033	0.76713	0.1937114	0.25558686	2.4591048	20	4 16.6	21.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
259041 2002 TR_{256}	16.2	X	283.50248	332.96053	31.37814	6.36399	0.0897367	0.26407494	2.4061235	20	7 12.3	19.1
259042 2002 TE_{278}	17.3	X	94.56413	65.91704	324.97211	7.81610	0.2111484	0.23904055	2.5713133	20	1 19.4	20.4
259043 2002 TG_{288}	15.7	X	144.43820	113.74540	294.24399	4.30105	0.1427863	0.24685759	2.5167403	20	3 26.4	19.5
259044 2002 TL_{292}	16.1	X	263.73729	91.97461	248.20246	5.13735	0.1489623	0.25762773	2.4461006	20	4 29.7	19.6
259045 2002 TE_{308}	18.0	X	163.10020	277.01353	82.30664	5.32178	0.2186674	0.24698031	2.5159065	20	2 23.1	22.1
259046 2002 TN_{314}	16.4	X	248.17554	315.63196	166.42038	14.08105	0.1127787	0.21828499	2.7318287	20	10 25.4	20.2
259047 2002 TE_{316}	15.9	X	334.56215	263.22317	182.49842	21.72527	0.0693680	0.22615002	2.6681176	20	—	—
259048 2002 TD_{317}	16.3	X	6.84754	221.15534	275.83578	7.57939	0.1703274	0.24556748	2.5255472	20	—	—
259049 2002 TX_{317}	17.1	X	89.37037	290.92886	218.11794	6.17728	0.1515824	0.25953871	2.4340787	20	6 8.5	20.3
259050 2002 TC_{340}	16.7	X	13.20394	182.41512	67.88859	5.77195	0.0641071	0.26258830	2.4151965	20	6 23.6	19.3
259051 2002 TS_{340}	17.3	X	187.09745	62.54131	173.54806	12.41731	0.2291035	0.23337796	2.6127398	20	12 24.9	21.8
259052 2002 TY_{363}	17.6	X	197.15328	2.13272	75.60946	3.82974	0.1519463	0.26113852	2.4241273	20	6 27.5	21.4
259053 2002 TE_{366}	17.5	X	99.17335	69.96025	74.43394	7.06867	0.0728400	0.25702217	2.4499412	20	6 2.8	20.5
259054 2002 TN_{373}	16.8	X	302.09357	200.96249	112.71513	9.77553	0.2311634	0.26618038	2.3934188	20	5 6.3	19.7
259055 2002 TP_{374}	16.7	X	147.47069	265.32749	52.62880	10.47998	0.1987152	0.23957118	2.5675150	20	—	—
259056 2002 TM_{376}	17.3	X	157.91410	97.87582	16.95282	21.24202	0.0847578	0.37033619	1.9204600	20	7 18.2	20.2
259057 2002 TP_{381}	17.1	X	140.15746	74.13203	200.44291	4.34275	0.2393114	0.23468683	2.6030164	20	—	—
259058 2002 TG_{382}	16.2	X	88.59071	304.22457	101.17149	13.77289	0.1608666	0.23802197	2.5786438	20	1 21.4	19.3
259059 2002 UV_{2}	16.6	X	301.74581	108.57627	295.59283	15.63006	0.1176922	0.38316171	1.8773618	20	11 5.9	18.2
259060 2002 UM_{3}	17.3	X	293.24470	316.52690	68.88811	25.83741	0.1691223	0.38065813	1.8855844	20	10 5.9	19.2
259061 2002 US_{6}	17.4	X	88.34605	256.71563	138.90725	6.01945	0.3446670	0.23853247	2.5749633	20	2 6.1	20.4
259062 2002 UH_{9}	16.0	X	18.93131	301.78528	131.78126	12.87367	0.1944518	0.22987141	2.6392432	20	—	—
259063 2002 UF_{12}	16.8	X	347.22882	9.10312	269.49115	19.02756	0.0501403	0.37298579	1.9113543	20	6 26.4	18.0
259064 2002 UJ_{15}	16.7	X	139.26686	269.81716	67.84565	13.23641	0.1643420	0.23861297	2.5743841	20	—	—
259065 2002 UX_{21}	16.9	X	194.59896	220.34377	210.77119	1.61861	0.1820436	0.25680122	2.4513463	20	6 15.1	20.8
259066 2002 UX_{23}	17.0	X	89.11618	331.98522	22.49057	2.99398	0.1466406	0.23324338	2.6137447	20	—	—
259067 2002 UC_{27}	16.3	X	60.08242	27.17882	36.63886	14.39722	0.1309267	0.23666248	2.5885095	20	—	—
259068 2002 UD_{35}	16.4	X	22.70319	287.72151	204.12936	27.95920	0.3766249	0.23509622	2.5999936	20	—	—
259069 2002 UJ_{41}	16.5	X	235.83107	196.86434	220.25291	5.47796	0.1041150	0.26202161	2.4186776	20	7 15.8	19.9
259070 2002 UE_{52}	16.9	X	299.90485	182.53187	100.19811	5.68449	0.1431740	0.25737735	2.4476867	20	4 3.4	19.9
259071 2002 UC_{64}	17.2	X	35.66177	266.87470	288.43889	0.39984	0.1218420	0.25843135	2.4410270	20	5 16.2	19.6
259072 2002 UO_{68}	17.4	X	280.54421	182.06739	120.87420	5.07312	0.1436899	0.25758827	2.4463504	20	4 4.5	20.7
259073 2002 UQ_{73}	17.5	X	51.69329	48.60657	35.88615	4.52036	0.2307508	0.23698720	2.5861445	20	1 18.7	19.6
259074 2002 VL_{9}	16.7	X	225.38701	31.62140	352.00566	5.99895	0.1351205	0.25729056	2.4482372	20	5 15.0	20.4
259075 2002 VF_{10}	16.6	X	4.97380	186.18038	256.43546	8.09009	0.1068727	0.22994104	2.6387104	20	—	—
259076 2002 VA_{21}	15.7	X	321.96256	176.00207	252.32605	11.85054	0.0719220	0.22326176	2.6910792	20	12 4.8	19.0
259077 2002 VC_{23}	17.1	X	101.95834	38.23667	28.20722	3.16963	0.1735988	0.24217074	2.5491082	20	3 9.7	20.4
259078 2002 VN_{23}	16.1	X	124.18343	172.57440	233.53387	14.43155	0.1069949	0.24311808	2.5424820	20	2 22.4	19.9
259079 2002 VQ_{25}	17.4	X	220.88892	23.74255	10.57294	2.39297	0.1958095	0.25741536	2.4474457	20	5 21.6	21.2
259080 2002 VM_{26}	16.9	X	222.70161	108.40289	257.70596	1.19850	0.2266874	0.25479428	2.4642018	20	4 16.0	21.0
259081 2002 VE_{29}	16.7	X	283.73169	308.94162	43.08204	2.69884	0.1958236	0.26290755	2.4132409	20	6 4.7	19.6
259082 2002 VU_{30}	16.5	X	25.37594	193.39358	239.22740	13.74731	0.2522686	0.22995765	2.6385833	20	—	—
259083 2002 VS_{31}	17.1	X	219.95621	253.08026	158.53358	1.76695	0.1818290	0.25800090	2.4437413	20	6 13.9	20.8
259084 2002 VC_{35}	15.6	X	141.72927	158.64538	261.18758	9.62577	0.2149435	0.24460429	2.5321728	20	4 12.5	19.8
259085 2002 VJ_{46}	17.1	X	154.25139	264.55055	107.03431	3.49351	0.2001043	0.24500026	2.5294437	20	2 28.1	21.1
259086 2002 VA_{55}	16.6	X	226.88755	127.59557	263.43593	4.99080	0.1402704	0.25737902	2.4476761	20	5 27.8	20.3
259087 2002 VL_{64}	16.8	X	37.78708	80.69106	332.15763	1.61835	0.2098439	0.23167300	2.6255428	20	—	—
259088 2002 VG_{66}	16.7	X	88.73887	164.60541	261.38096	17.95094	0.1022328	0.35282335	1.9834953	20	1 11.8	18.5
259089 2002 VZ_{67}	16.4	X	27.49894	6.66256	132.06337	5.35370	0.2231007	0.23700704	2.5860002	20	2 10.7	18.4
259090 2002 VD_{97}	16.0	X	228.83863	215.50699	262.39111	6.63474	0.1765105	0.21373581	2.7704556	20	9 10.9	20.3
259091 2002 VA_{99}	15.3	X	50.96625	110.29580	267.71933	28.83308	0.2993730	0.23084484	2.6318185	20	—	—
259092 2002 VX_{102}	16.0	X	133.89383	116.74428	278.14373	5.57429	0.1635693	0.24407002	2.5358667	20	2 29.7	19.9
259093 2002 VC_{104}	16.9	X	209.26091	70.23858	3.74589	4.41480	0.1592261	0.25911507	2.4367311	20	7 4.8	20.6
259094 2002 VC_{111}	15.8	X	320.40040	177.80412	261.00709	10.59528	0.0861489	0.22311358	2.6922706	20	12 16.4	19.0
259095 2002 VJ_{115}	16.9	X	175.48354	240.68993	163.02670	5.30910	0.1470906	0.25143673	2.4860903	20	4 24.8	20.8
259096 2002 VS_{116}	16.4	X	59.30527	105.91635	299.53556	7.63576	0.1414641	0.23335561	2.6129066	20	—	—
259097 2002 VQ_{123}	17.2	X	182.97586	77.11171	250.57124	18.37806	0.0748842	0.35484536	1.9759531	20	1 2.9	19.6
259098 2002 VW_{125}	17.3	X	333.23461	266.18806	89.16740	26.82154	0.0832365	0.38160966	1.8824487	20	11 8.1	19.5
259099 2002 VN_{142}	17.1	X	307.29319	245.52314	84.86677	5.03257	0.1077365	0.26206624	2.4184030	20	6 26.3	19.7
259100 2002 VO_{143}	16.8	X	174.18646	179.63084	111.18218	4.64961	0.0301088	0.23347848	2.6119898	20	—	—
259101 2002 WS	16.7	X	35.68371	111.85239	6.30478	29.37936	0.3874924	0.23395345	2.6084534	20	3 4.5	18.3
259102 2002 WT_{5}	16.8	X	160.46883	0.92062	69.14837	8.80938	0.1702122	0.25119288	2.4876990	20	5 14.3	20.7
259103 2002 WM_{6}	16.5	X	182.19089	207.33427	290.09742	5.27550	0.1357290	0.26386230	2.4074161	20	8 28.9	20.3
259104 2002 WC_{7}	17.0	X	217.80889	102.11226	355.64747	2.37811	0.1617303	0.26301331	2.4125940	20	8 14.6	20.5
259105 2002 WC_{10}	15.9	X	278.80150	81.70307	69.15585	12.73019	0.1529098	0.22315163	2.6919646	20	—	—
259106 2002 WJ_{10}	16.6	X	1.02898	355.97565	91.26863	8.92137	0.1482441	0.22783323	2.6549601	20	—	—
259107 2002 WN_{14}	17.0	X	47.62389	326.44989	133.02812	7.66804	0.3219088	0.23485889	2.6017449	20	2 13.2	18.4
259108 2002 WQ_{14}	16.2	X	224.55347	268.69986	121.44129	8.53086	0.1391407	0.25585299	2.4573993	20	5 26.5	20.0
259109 2002 WP_{18}	16.2	X	140.21723	290.58616	162.40488	9.33571	0.1187283	0.25149553	2.4857028	20	5 21.7	20.0
259110 2002 WT_{18}	17.0	X	47.80214	128.16283	10.76196	4.87383	0.1637025	0.24246451	2.5470488	20	3 22.2	19.3
259111 2002 WF_{19}	17.2	X	127.28849	200.86766	183.78714	2.38485	0.1138891	0.24047214	2.5610980	20	2 5.8	20.7
259112 2002 XS_{3}	15.9	X	334.50664	256.35933	238.29906	13.37512	0.0559160	0.23180249	2.6245649	20	—	—
259113 2002 XT_{3}	16.7	X	63.38736	341.83834	61.10113	5.55280	0.1698589	0.23281223	2.6169707	20	—	—
259114 2002 XU_{6}	16.3	X	99.37990	15.97024	94.60915	6.41467	0.2364058	0.24233742	2.5479392	20	5 12.9	19.9
259115 2002 XT_{12}	16.5	X	269.60586	33.15020	311.96733	1.09578	0.2184941	0.25798561	2.4438379	20	5 4.5	19.9
259116 2002 XN_{13}	16.5	X	158.27647	16.54321	94.99934	6.56739	0.1098633	0.25518351	2.4616954	20	7 2.4	20.0
259117 2002 XT_{13}	16.2	X	277.69657	227.78427	125.71827	7.46715	0.1535957	0.25928453	2.4356693	20	6 6.7	19.4
259118 2002 XB_{22}	17.0	X	76.04369	71.90125	94.69565	23.87490	0.0750175	0.35900617	1.9606562	20	6 6.7	19.0
259119 2002 XV_{24}	16.1	X	44.10062	162.89742	260.06448	8.82022	0.1709252	0.23072039	2.6327648	20	—	—
259120 2002 XM_{26}	16.8	X	52.73822	201.16504	274.60504	16.76873	0.0923207	0.35427284	1.9780813	20	1 21.8	18.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
259121 2002 XN_{26}	17.7	X	206.39131	208.89202	262.68787	17.98923	0.1104853	0.37550214	1.9028057	20	8 25.9	20.5
259122 2002 XH_{29}	15.5	X	79.07580	2.88733	112.09880	23.01713	0.0844294	0.23868713	2.5738509	20	4 9.5	19.3
259123 2002 XH_{30}	16.9	X	177.17488	216.77706	275.89579	18.18637	0.0680620	0.37501024	1.9044693	20	8 23.6	19.5
259124 2002 XW_{31}	16.5	X	33.09162	33.67078	359.00753	4.08900	0.1524837	0.22601434	2.6691853	20	—	—
259125 2002 XC_{35}	15.8	X	14.58417	73.55408	116.25570	11.09886	0.1370512	0.23864336	2.5741655	20	4 5.5	18.6
259126 2002 XF_{37}	15.9	X	89.97348	74.02498	348.71779	12.60142	0.2496038	0.23660066	2.5889604	20	3 1.4	19.2
259127 2002 XK_{43}	16.4	X	230.66481	243.19090	122.71961	9.90796	0.2633852	0.25682202	2.4512139	20	4 25.1	20.7
259128 2002 XH_{45}	16.8	X	348.28500	13.94779	263.00677	18.55347	0.0568326	0.36833205	1.9274200	20	6 24.7	18.1
259129 2002 XL_{46}	15.8	X	227.06980	135.60577	75.60845	14.01497	0.1500819	0.22428679	2.6828738	20	—	—
259130 2002 XN_{48}	16.3	X	41.08230	296.48542	88.90272	5.28592	0.1336438	0.22661508	2.6644660	20	—	—
259131 2002 XD_{49}	16.1	X	25.37718	88.27940	333.97547	12.64905	0.2613820	0.22888526	2.6468185	20	—	—
259132 2002 XT_{50}	17.3	X	266.83127	99.27928	266.19643	19.03600	0.1509401	0.37167706	1.9158384	20	6 9.7	19.3
259133 2002 XR_{57}	16.5	X	42.83366	329.05386	106.57334	6.45090	0.2903593	0.22979281	2.6398450	20	—	—
259134 2002 XK_{58}	17.1	X	147.87494	339.40570	88.70564	24.23473	0.0889963	0.35975143	1.9579474	20	5 1.2	20.0
259135 2002 XQ_{58}	16.3	X	57.57075	206.50283	278.06558	11.43235	0.2001984	0.23889023	2.5723918	20	3 17.5	19.3
259136 2002 XC_{68}	16.9	X	35.17268	235.63142	214.47330	8.59353	0.1978191	0.23229936	2.6208211	20	—	—
259137 2002 XT_{68}	17.1	X	345.47875	82.99868	262.84169	18.38199	0.0562067	0.38006654	1.8875406	20	10 16.9	19.2
259138 2002 XF_{71}	16.2	X	142.93191	12.83848	56.29676	2.31614	0.2001648	0.24611286	2.5218147	20	4 28.0	20.2
259139 2002 XM_{71}	16.0	X	21.33164	1.39575	86.61488	13.27871	0.1497539	0.22846052	2.6500980	20	—	—
259140 2002 XP_{71}	16.6	X	39.98974	28.04423	117.51221	5.91481	0.2132091	0.24034920	2.5619713	20	3 25.0	18.8
259141 2002 XQ_{76}	15.8	X	49.86201	218.58171	311.94762	6.12375	0.1486781	0.24365774	2.5387264	20	5 6.5	18.7
259142 2002 XB_{77}	17.0	X	16.76682	128.48747	308.90610	3.34163	0.2056623	0.22821828	2.6519730	20	—	—
259143 2002 XP_{79}	16.0	X	292.59158	49.67084	86.30914	15.25824	0.1893786	0.21951940	2.7215779	20	—	—
259144 2002 XW_{81}	16.0	X	123.01859	319.13156	82.81026	12.88836	0.1846862	0.23839552	2.5759493	20	3 10.4	20.0
259145 2002 XM_{82}	17.6	X	89.39924	136.64727	292.52341	7.36285	0.1710268	0.35148509	1.9885268	20	2 2.2	18.8
259146 2002 XF_{84}	16.5	X	29.47191	102.63208	46.88236	28.37981	0.3909904	0.23234341	2.6204898	20	4 11.5	18.3
259147 2002 XO_{84}	16.6	X	230.25085	294.08463	110.46362	23.99512	0.1056973	0.36896739	1.9252068	20	6 27.6	18.9
259148 2002 XP_{89}	16.6	X	43.65615	355.43777	135.67899	13.44574	0.0965995	0.23487908	2.6015958	20	2 28.6	19.6
259149 2002 XC_{90}	16.5	X	208.04559	223.87336	172.64092	5.63819	0.1142199	0.25297667	2.4759910	20	5 18.3	20.3
259150 2002 XE_{98}	16.4	X	57.25235	138.18100	332.19394	5.90041	0.1245653	0.23908963	2.5709614	20	2 22.6	19.0
259151 2002 XZ_{102}	16.5	X	101.79275	308.11733	80.24202	11.88632	0.1099745	0.23532681	2.5982949	20	1 10.5	19.9
259152 2002 XY_{103}	16.1	X	328.70731	202.37881	266.85514	14.41937	0.1291712	0.22304431	2.6928280	20	—	—
259153 2002 XJ_{108}	16.7	X	78.61261	137.59810	252.20155	16.30322	0.1869734	0.23402495	2.6079221	20	—	—
259154 2002 XJ_{109}	16.3	X	143.92062	112.59690	273.08450	9.36397	0.1289285	0.24285326	2.5443299	20	2 23.5	20.2
259155 2002 XF_{115}	16.8	X	13.37731	222.60660	175.08967	6.03974	0.0505948	0.22474186	2.6792510	20	—	—
259156 2002 XO_{115}	16.5	X	30.05236	291.85637	166.75284	2.49945	0.0766731	0.22633812	2.6666391	20	—	—
259157 2002 XT_{115}	16.1	X	254.53432	254.08269	312.17688	2.42610	0.0159360	0.21998755	2.7177155	20	—	—
259158 2002 XY_{115}	16.7	X	24.14767	0.94120	204.36187	2.57537	0.0957804	0.24058881	2.5602700	20	5 8.8	19.5
259159 2002 XA_{116}	16.8	X	357.27224	225.88738	197.73488	5.11146	0.1673482	0.22372584	2.6873565	20	—	—
259160 2002 XJ_{118}	16.3	X	359.33405	241.08515	108.96744	6.81505	0.0254756	0.21485451	2.7608305	20	10 16.6	20.0
259161 2002 YV_{4}	16.9	X	124.91141	278.65682	311.26299	19.84806	0.0338433	0.38032927	1.8866712	20	11 17.4	19.4
259162 2002 YG_{6}	16.3	X	141.52926	327.30741	93.54802	12.32857	0.1811722	0.24477398	2.5310023	20	4 20.5	20.5
259163 2002 YP_{11}	16.7	X	179.22644	11.28915	103.69599	23.34661	0.0733604	0.36968166	1.9227262	20	8 12.7	19.2
259164 2002 YR_{15}	15.7	X	288.69563	290.89548	288.62538	13.97231	0.0155755	0.23215127	2.6219355	20	1 15.3	19.1
259165 2002 YD_{21}	16.5	X	146.07576	45.74843	93.66890	11.16096	0.1967470	0.25503612	2.4626437	20	7 30.9	20.6
259166 2002 YH_{22}	17.3	X	7.23164	72.56110	59.21560	1.90571	0.2536598	0.23123382	2.6288662	20	—	—
259167 2002 YW_{28}	16.0	X	7.54559	314.69823	106.83262	14.34889	0.2453742	0.22309138	2.6924492	20	—	—
259168 2002 YS_{34}	17.0	X	110.06334	1.19519	112.90499	14.69116	0.2988009	0.24246491	2.5470460	20	6 4.9	21.3
259169 2002 YY_{35}	16.7	X	118.91814	229.38648	202.16551	2.57958	0.1973361	0.24159656	2.5531454	20	4 6.9	20.4
259170 2002 YQ_{36}	15.8	X	139.70252	302.08606	92.51931	12.56198	0.1177454	0.23662962	2.5887492	20	3 11.2	19.8
259171 2003 AB	16.4	X	30.54392	80.73989	67.67317	8.37328	0.1094384	0.23945833	2.5683217	20	3 4.3	19.3
259172 2003 AZ	15.8	X	77.66014	264.03658	272.10531	4.78123	0.1655295	0.24500161	2.5294344	20	7 2.2	19.0
259173 2003 AO_{1}	16.2	X	103.18049	308.04722	139.19879	10.04169	0.2004811	0.24046828	2.5611254	20	4 14.3	19.9
259174 2003 AU_{2}	16.6	X	73.55514	117.60673	138.24395	23.96061	0.0336771	0.37317039	1.9107239	20	10 28.4	19.3
259175 2003 AJ_{3}	16.2	X	134.43398	327.95554	134.42470	12.21625	0.1541727	0.24417944	2.5351091	20	5 31.4	20.3
259176 2003 AS_{3}	17.0	X	197.18294	273.35640	132.11413	24.50560	0.1392088	0.36317929	1.9456080	20	5 23.9	20.3
259177 2003 AO_{6}	16.6	X	18.38354	336.83073	113.41126	9.04376	0.2450600	0.22680237	2.6629989	20	—	—
259178 2003 AB_{8}	16.1	X	353.26711	191.49837	255.46240	6.72717	0.1192863	0.22653587	2.6650870	20	—	—
259179 2003 AJ_{9}	15.1	X	71.58576	280.66280	139.81518	29.37588	0.3238162	0.23079500	2.6321974	20	2 10.9	17.7
259180 2003 AP_{10}	16.3	X	161.22512	230.50330	151.81626	8.09883	0.1972746	0.24403488	2.5361101	20	3 18.5	20.4
259181 2003 AO_{11}	16.5	X	277.18358	293.38695	191.87176	7.31306	0.2571168	0.21466914	2.7624196	20	11 15.4	19.6
259182 2003 AO_{13}	16.0	X	83.11057	305.96671	129.74581	12.70022	0.1600040	0.23533713	2.5982190	20	2 24.4	19.1
259183 2003 AK_{16}	13.9	X	317.29152	305.48721	254.51183	10.40876	0.1212185	0.12416941	3.9791743	20	1 27.2	19.4
259184 2003 AL_{17}	17.3	X	280.85915	329.79415	299.91270	18.68904	0.0301432	0.35231745	1.9853936	20	2 15.0	19.6
259185 2003 AW_{22}	16.5	X	291.20137	86.48138	299.79820	19.66326	0.0485397	0.37343878	1.9098083	20	9 4.7	18.6
259186 2003 AT_{26}	15.9	X	0.66213	76.05147	114.78161	10.56372	0.1401944	0.23719099	2.5846630	20	3 8.9	18.7
259187 2003 AZ_{27}	15.9	X	134.99434	266.82482	116.32384	13.82475	0.2545641	0.23746088	2.5827042	20	3 3.7	20.2
259188 2003 AM_{29}	15.4	X	47.84991	211.82198	296.90454	11.46094	0.1751944	0.23723311	2.5843571	20	3 30.9	18.4
259189 2003 AR_{29}	17.0	X	61.08205	191.05238	274.62076	4.26431	0.2546766	0.23516046	2.5995201	20	3 10.9	19.7
259190 2003 AY_{30}	17.1	X	35.77465	152.56906	295.06212	1.53682	0.1804176	0.22936357	2.6431375	20	—	—
259191 2003 AT_{31}	16.4	X	47.28602	347.78799	107.39915	4.43660	0.0959168	0.23212930	2.6221010	20	1 15.1	19.2
259192 2003 AN_{34}	16.2	X	26.49829	249.53961	254.58271	11.38793	0.2596117	0.23577464	2.5950037	20	2 10.4	18.4
259193 2003 AS_{35}	16.6	X	248.43526	245.38916	137.65577	3.28610	0.2107892	0.25726576	2.4483945	20	6 2.8	20.2
259194 2003 AT_{37}	16.0	X	267.29148	224.91465	264.45055	6.65706	0.1682504	0.21426921	2.7658558	20	11 16.7	19.5
259195 2003 AJ_{38}	15.7	X	285.35581	272.93786	281.49108	10.30635	0.2217287	0.22378962	2.6868459	20	—	—
259196 2003 AL_{38}	17.1	X	126.60054	322.02464	129.65653	7.76169	0.2554507	0.24456491	2.5324446	20	5 18.1	21.3
259197 2003 AA_{39}	16.7	X	57.81554	274.18933	189.58824	3.75092	0.2346958	0.23450184	2.6043852	20	2 29.1	19.2
259198 2003 AJ_{40}	16.5	X	62.14446	250.68634	230.85383	4.63066	0.1148380	0.23668061	2.5883774	20	3 14.2	19.5
259199 2003 AE_{46}	16.1	X	260.50457	176.63876	309.84707	8.16761	0.0868569	0.21396722	2.7684577	20	11 13.4	19.9
259200 2003 AN_{47}	16.3	X	54.88292	10.73027	88.35312	12.35036	0.1601076	0.23439891	2.6051475	20	2 11.1	19.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
259201 2003 AN_{48}	16.2	X	121.24344	19.34265	96.66731	14.08498	0.2225586	0.24646578	2.5194068	20	6 9.2	20.3
259202 2003 AD_{50}	16.1	X	18.45705	359.92390	96.88354	13.93131	0.1342543	0.22788266	2.6545762	20	—	—
259203 2003 AJ_{50}	16.7	X	57.19388	51.38676	74.42908	4.54203	0.1138805	0.23769552	2.5810042	20	3 16.8	19.6
259204 2003 AL_{51}	16.4	X	76.00747	112.06654	5.78038	4.89565	0.1536703	0.23952645	2.5678347	20	4 7.0	19.4
259205 2003 AT_{51}	16.4	X	46.42323	9.59240	98.81462	12.96501	0.1333250	0.23338689	2.6126731	20	2 4.9	19.2
259206 2003 AV_{55}	16.0	X	146.84776	25.92044	22.60659	3.37868	0.1840791	0.24174133	2.5521260	20	4 4.7	19.9
259207 2003 AU_{61}	16.3	X	135.73590	267.15412	142.41160	7.09909	0.2418334	0.24282311	2.5445405	20	4 2.7	20.4
259208 2003 AP_{62}	16.2	X	335.32890	73.79283	118.59705	5.16862	0.1367061	0.23407137	2.6075772	20	1 24.9	19.1
259209 2003 AA_{77}	17.1	X	316.51865	97.26509	315.48713	15.39448	0.0991449	0.38324550	1.8770882	20	—	—
259210 2003 AG_{79}	15.5	X	344.67595	105.71415	328.88991	23.18271	0.2736104	0.22066753	2.7121296	20	—	—
259211 2003 AP_{80}	17.0	X	51.11825	293.88697	314.88285	17.03786	0.0631889	0.36868282	1.9261974	20	8 29.9	18.9
259212 2003 AZ_{80}	16.3	X	227.35506	240.93403	145.39033	9.20097	0.2560787	0.25624609	2.4548854	20	5 16.7	20.6
259213 2003 BD	16.5	X	301.41311	188.90979	307.28339	7.84715	0.2787245	0.21832252	2.7315156	20	—	—
259214 2003 BQ	16.6	X	132.54172	351.83523	85.80538	12.95937	0.1522958	0.24195162	2.5506470	20	4 29.6	20.6
259215 2003 BL_{13}	16.2	X	310.34020	196.77795	242.68328	8.10293	0.2141213	0.21456781	2.7632892	20	11 22.8	18.7
259216 2003 BO_{14}	15.8	X	39.95451	70.24076	138.31912	10.94860	0.0990937	0.24505748	2.5290500	20	6 11.7	18.9
259217 2003 BK_{16}	16.1	X	96.24162	46.24733	19.05692	4.13617	0.2323473	0.23467980	2.6030684	20	3 10.5	19.5
259218 2003 BK_{17}	16.0	X	77.12086	41.65323	73.94411	4.94363	0.1353013	0.23610263	2.5925999	20	4 6.1	19.1
259219 2003 BB_{18}	16.2	X	7.04613	25.64912	136.96461	10.11628	0.1630868	0.23183535	2.6243169	20	2 4.3	18.7
259220 2003 BA_{19}	15.9	X	97.45076	201.32717	320.65079	16.39817	0.0779151	0.18951796	3.0017128	20	6 25.8	20.4
259221 2003 BA_{21}	19.1	X	92.40552	18.13368	308.87786	23.71212	0.8331889	0.85403772	1.1002330	20	—	—
259222 2003 BY_{22}	15.8	X	69.05487	218.64732	264.83148	13.73096	0.1207582	0.23784455	2.5799260	20	3 23.1	19.2
259223 2003 BQ_{23}	15.9	X	79.34441	181.93848	246.17811	12.09713	0.1491054	0.23236170	2.6203523	20	1 31.4	19.3
259224 2003 BJ_{24}	15.7	X	36.58278	295.40628	268.70811	13.33388	0.1347212	0.24154879	2.5534820	20	6 2.2	18.4
259225 2003 BK_{26}	15.8	X	15.30774	258.38513	260.45674	10.86874	0.1108929	0.23422979	2.6064014	20	2 11.7	18.9
259226 2003 BB_{27}	15.7	X	12.20158	201.56987	307.58892	12.40812	0.1174601	0.23027530	2.6361562	20	1 29.5	18.6
259227 2003 BO_{27}	16.5	X	38.30987	248.76746	253.33099	3.83548	0.1836650	0.23331430	2.6132150	20	3 8.2	19.0
259228 2003 BP_{28}	16.1	X	297.27809	131.11768	328.59477	8.18173	0.2495454	0.21305444	2.7763592	20	11 15.4	19.0
259229 2003 BR_{29}	16.2	X	131.09407	269.62782	125.07821	9.67954	0.1095206	0.23573091	2.5953246	20	2 25.6	19.8
259230 2003 BS_{36}	16.2	X	90.96080	129.81619	310.43250	8.44645	0.1783613	0.23618002	2.5920335	20	3 9.9	19.6
259231 2003 BM_{38}	16.3	X	216.03866	228.94880	289.91149	3.97378	0.0997480	0.20903882	2.8118021	20	10 28.2	20.3
259232 2003 BM_{44}	16.6	X	93.80126	120.06399	340.82035	3.12066	0.1994942	0.23903947	2.5713211	20	4 15.5	20.0
259233 2003 BA_{45}	16.4	X	346.27821	142.35283	291.61948	8.57163	0.1829276	0.21849583	2.7300710	20	—	—
259234 2003 BH_{51}	16.5	X	114.05371	85.21177	324.56113	3.11674	0.2466576	0.23653384	2.5894480	20	3 10.9	20.4
259235 2003 BR_{51}	16.5	X	291.96747	209.02662	317.78197	4.22661	0.1817959	0.22015110	2.7163693	20	—	—
259236 2003 BR_{52}	15.9	X	290.23365	86.07164	132.41623	14.50882	0.0652525	0.22930891	2.6435575	20	1 9.9	19.7
259237 2003 BU_{53}	15.8	X	318.17280	283.10029	270.00123	7.83807	0.1061384	0.22955523	2.6416661	20	1 6.6	19.2
259238 2003 BX_{53}	17.1	X	141.50735	286.12032	143.52607	4.68723	0.1982475	0.24325092	2.5415562	20	4 28.8	21.2
259239 2003 BT_{57}	15.7	X	130.94054	272.74654	123.63791	10.60083	0.2172719	0.23740283	2.5831252	20	3 11.9	19.8
259240 2003 BG_{63}	15.8	X	4.49487	358.46607	153.83757	14.76852	0.1847634	0.22787408	2.6546428	20	1 13.6	18.7
259241 2003 BG_{64}	16.5	X	3.47248	67.24465	126.40646	6.01331	0.1499631	0.23691647	2.5866592	20	3 16.1	19.0
259242 2003 BE_{67}	16.7	X	36.11776	84.98844	112.43611	2.77706	0.1282521	0.24033817	2.5620497	20	5 22.3	19.3
259243 2003 BF_{67}	16.9	X	52.91823	107.96754	356.81862	1.36617	0.2192693	0.23226273	2.6210967	20	2 19.9	19.3
259244 2003 BJ_{67}	15.9	X	350.17067	332.23194	116.75282	15.24627	0.1631573	0.21978250	2.7194055	20	—	—
259245 2003 BX_{71}	16.4	X	8.28731	331.97391	164.83821	12.18072	0.1369470	0.22941685	2.6427282	20	1 3.8	19.5
259246 2003 BS_{74}	16.6	X	345.67113	155.70303	349.77386	13.65681	0.0524363	0.22713400	2.6604062	20	—	—
259247 2003 BS_{76}	16.3	X	20.37149	40.34097	65.87178	11.28351	0.1865046	0.22746565	2.6578196	20	—	—
259248 2003 BB_{78}	16.5	X	98.65810	73.23595	28.34276	4.56175	0.1868750	0.23915406	2.5704996	20	4 21.6	19.8
259249 2003 BD_{85}	16.9	X	142.55654	278.77862	145.90906	4.48925	0.2400566	0.24255823	2.5463926	20	4 26.4	21.1
259250 2003 BQ_{87}	16.2	X	10.51575	261.21301	325.24206	5.66541	0.1276788	0.24272029	2.5452591	20	5 13.9	18.8
259251 2003 BK_{93}	16.6	X	236.19178	176.08487	65.20588	10.03218	0.1333280	0.22275206	2.6951828	20	—	—
259252 2003 BW_{93}	15.8	X	285.29273	215.18963	336.64449	8.66016	0.1816927	0.22375007	2.6871625	20	—	—
259253 2003 CY	16.9	X	251.47747	291.93168	133.05725	23.61286	0.1090838	0.37083288	1.9187449	20	9 4.8	18.7
259254 2003 CD_{2}	16.1	X	358.53858	297.24530	169.46751	13.67479	0.1294252	0.22340158	2.6899562	20	—	—
259255 2003 CF_{3}	17.3	X	109.51877	165.32172	314.24573	3.79483	0.2075814	0.24366497	2.5386762	20	5 29.8	21.2
259256 2003 CD_{4}	15.5	X	135.43276	127.85499	305.52214	13.82773	0.1736173	0.24557961	2.5254640	20	4 16.6	19.7
259257 2003 CN_{5}	16.4	X	73.44154	126.92491	45.16985	4.55574	0.1174053	0.24476138	2.5310892	20	6 12.6	19.5
259258 2003 CG_{6}	14.7	X	72.27985	11.56008	110.10426	7.43675	0.2007795	0.12355940	3.9922603	20	4 25.1	20.2
259259 2003 CU_{6}	15.9	X	347.31186	144.42577	333.85829	13.49519	0.1165541	0.22260406	2.6963773	20	—	—
259260 2003 CS_{9}	16.3	X	349.30288	70.58001	83.88766	10.82350	0.1774623	0.22734280	2.6587770	20	—	—
259261 2003 CZ_{9}	16.4	X	34.59783	246.23390	258.85761	2.84465	0.1737828	0.23340903	2.6125079	20	3 4.7	18.8
259262 2003 CZ_{10}	16.2	X	119.93180	206.99448	254.32466	8.08867	0.0984152	0.24186729	2.5512399	20	5 3.7	19.8
259263 2003 CC_{12}	16.5	X	239.47580	70.82868	151.97707	2.69666	0.1918126	0.21883885	2.7272174	20	—	—
259264 2003 CQ_{12}	16.5	X	110.72412	28.48463	22.75404	4.81507	0.2516357	0.23618854	2.5919712	20	3 12.1	20.2
259265 2003 CN_{13}	15.7	X	20.84495	31.96496	109.93953	13.74209	0.1060645	0.23099687	2.6306636	20	2 5.4	18.6
259266 2003 CS_{13}	16.5	X	347.43936	160.20828	347.41935	12.79466	0.1888097	0.22660024	2.6645823	20	—	—
259267 2003 CT_{15}	16.6	X	182.96126	125.92292	268.87379	17.50551	0.0823211	0.35550448	1.9735100	20	4 3.2	19.5
259268 2003 CL_{16}	16.5	X	29.08590	67.75106	79.94873	5.39686	0.1499786	0.23193364	2.6235754	20	3 1.2	19.2
259269 2003 CE_{19}	15.8	X	312.66079	110.90748	64.54602	15.64320	0.1822481	0.22425039	2.6831641	20	—	—
259270 2003 CF_{20}	15.6	X	23.30188	52.29635	157.58275	11.26325	0.1738490	0.18174249	3.0867283	20	5 24.4	19.2
259271 2003 CC_{25}	16.0	X	28.26731	161.11054	53.93437	14.49190	0.1820823	0.24083668	2.5585130	20	6 7.2	18.5
259272 2003 CE_{25}	15.8	X	336.32355	38.03728	68.36981	14.13941	0.0867195	0.21897370	2.7260977	20	—	—
259273 2003 DW_{2}	15.7	X	94.57978	112.95095	152.13599	8.49643	0.1788609	0.20118972	2.8844667	20	11 11.3	20.4
259274 2003 DT_{4}	16.4	X	348.27547	22.97377	151.51651	6.82767	0.1930974	0.22885024	2.6470886	20	1 13.5	19.2
259275 2003 DK_{10}	16.0	X	348.87301	87.73751	11.18639	9.31236	0.2678266	0.21993201	2.7181729	20	—	—
259276 2003 DN_{15}	15.9	X	357.44146	101.57189	122.58561	12.46098	0.1164730	0.23527569	2.5986713	20	4 24.5	19.0
259277 2003 DX_{17}	16.4	X	63.04104	94.44833	56.39480	5.12138	0.0624330	0.23966653	2.5668340	20	4 21.2	19.4
259278 2003 DV_{19}	16.8	X	147.11213	142.60838	322.25972	6.99874	0.1913511	0.24604017	2.5223114	20	6 15.4	21.0
259279 2003 DQ_{24}	16.1	X	132.70923	57.26331	174.33574	6.29861	0.2033609	0.20067331	2.8894131	20	11 4.5	21.0
259280 2003 DX_{24}	16.1	X	117.52790	65.77335	29.02093	15.41505	0.1119367	0.23916074	2.5704518	20	4 24.3	19.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
259281 2003 EL	16.4	X	123.32638	269.04854	188.91344	10.97421	0.2536366	0.24265427	2.5457207	20	5 22.2	20.6
259282 2003 EV_{2}	15.5	X	308.47175	256.71287	338.48938	12.36377	0.2207224	0.17163513	3.2067511	20	2 10.7	20.0
259283 2003 EP_{5}	15.7	X	42.22590	58.31744	158.98848	9.95557	0.2237467	0.18382423	3.0633800	20	7 11.9	19.5
259284 2003 ER_{6}	16.7	X	84.06074	275.94429	199.35838	4.02119	0.2068079	0.23714787	2.5849763	20	4 25.0	19.9
259285 2003 EV_{18}	16.4	X	75.50710	160.40359	346.54400	7.50603	0.1407718	0.23897350	2.5717943	20	5 12.5	19.7
259286 2003 EJ_{20}	15.1	X	334.15047	92.63199	171.38171	25.71305	0.2144306	0.17916695	3.1162392	20	4 29.5	19.0
259287 2003 ED_{21}	15.7	X	242.72607	191.51769	347.78310	13.00697	0.1298163	0.21124817	2.7921628	20	12 22.8	19.7
259288 2003 EW_{24}	16.3	X	344.65082	7.46671	178.52455	14.32890	0.1820936	0.22858230	2.6491567	20	1 22.9	19.5
259289 2003 ED_{31}	16.8	X	276.57958	226.49305	342.50242	3.56738	0.2461715	0.21946768	2.7220055	20	—	—
259290 2003 EP_{31}	16.3	X	304.77115	215.47247	286.72660	6.47548	0.1719612	0.21898664	2.7259903	20	—	—
259291 2003 ET_{35}	16.8	X	306.04888	82.25410	94.29471	3.29101	0.0990348	0.22167271	2.7039245	20	—	—
259292 2003 EY_{37}	15.8	X	320.84509	97.49914	78.97955	12.50099	0.1379721	0.22331455	2.6906551	20	—	—
259293 2003 EB_{38}	16.0	X	102.04592	239.94404	208.68255	11.38371	0.2261099	0.23657967	2.5891136	20	4 14.1	19.6
259294 2003 EB_{39}	16.6	X	357.99938	59.84891	27.44762	4.51078	0.0686680	0.21724294	2.7405576	20	—	—
259295 2003 EU_{39}	16.3	X	30.79066	83.30251	95.19513	12.72002	0.1415221	0.23483021	2.6019568	20	4 22.1	19.3
259296 2003 EL_{41}	16.1	X	61.59390	47.79103	84.77076	13.20681	0.1006318	0.23362411	2.6109042	20	4 6.2	19.5
259297 2003 EF_{45}	15.5	X	109.47967	216.98139	312.20702	6.70430	0.2462467	0.18736055	3.0247115	20	8 3.2	20.4
259298 2003 ED_{49}	15.7	X	58.61920	296.37242	252.13655	10.99815	0.2050954	0.24094684	2.5577331	20	6 27.9	18.8
259299 2003 EQ_{51}	16.5	X	115.35389	312.01988	155.02176	5.25612	0.1985359	0.23965590	2.5669100	20	5 20.7	20.5
259300 2003 EE_{57}	15.9	X	3.13952	47.59511	86.49514	14.18080	0.2065860	0.22385858	2.6862940	20	—	—
259301 2003 ED_{58}	15.8	X	331.87845	146.51233	83.90549	14.23498	0.1053769	0.23271708	2.6176840	20	3 24.2	19.3
259302 2003 EH_{58}	16.1	X	142.17713	356.58333	126.55973	12.86897	0.1760295	0.24493415	2.5298988	20	7 3.7	20.2
259303 2003 EM_{58}	15.8	X	304.12617	62.49740	75.41702	11.05105	0.1763293	0.21600886	2.7509857	20	—	—
259304 2003 EQ_{58}	16.0	X	288.24406	301.17718	203.17125	12.56267	0.0954306	0.21348497	2.7726253	20	—	—
259305 2003 EG_{62}	16.4	X	335.01196	55.02486	86.72996	8.45559	0.2346736	0.22082217	2.7108632	20	—	—
259306 2003 EA_{63}	16.6	X	281.82484	179.75194	10.62146	5.08042	0.0466281	0.21927180	2.7236263	20	—	—
259307 2003 EF_{63}	16.1	X	113.45272	85.49343	132.11465	5.21268	0.0266579	0.19658034	2.9293819	20	9 19.2	20.2
259308 2003 FY_{1}	17.2	X	33.12010	178.02269	116.55364	5.72923	0.0879409	0.30786623	2.1721743	20	10 15.4	19.6
259309 2003 FB_{2}	16.0	X	160.72810	303.03783	113.96649	10.88088	0.0236734	0.17759430	3.1346089	20	4 26.8	20.7
259310 2003 FG_{8}	15.7	X	252.10428	44.41716	355.55027	13.00567	0.0615149	0.19136300	2.9823875	20	7 20.3	20.1
259311 2003 FL_{20}	16.3	X	300.51964	98.87465	33.24345	12.61194	0.1642175	0.21585240	2.7523149	20	—	—
259312 2003 FH_{29}	16.5	X	202.50123	204.82505	12.86499	12.14070	0.1136689	0.20975548	2.8053938	20	12 24.1	20.9
259313 2003 FX_{30}	16.1	X	305.24935	296.28029	173.62220	18.33779	0.2442238	0.21285566	2.7780875	20	12 23.5	19.0
259314 2003 FB_{36}	15.8	X	5.12484	41.60544	186.17910	14.40693	0.1412232	0.17837108	3.1255018	20	5 12.6	19.6
259315 2003 FU_{37}	16.6	X	48.52747	305.76003	222.85765	1.18561	0.1304104	0.23506232	2.6002436	20	5 1.7	19.2
259316 2003 FJ_{38}	13.8	X	216.22122	163.13350	340.36251	6.66768	0.0371584	0.08503117	5.1217370	20	9 28.5	20.7
259317 2003 FA_{40}	16.4	X	274.64239	67.99558	4.61001	11.90390	0.0280487	0.19814112	2.9139783	20	10 1.4	20.3
259318 2003 FW_{47}	16.9	X	17.04956	199.13436	298.24496	1.01870	0.1245124	0.22563137	2.6722047	20	1 22.5	19.5
259319 2003 FL_{61}	16.4	X	45.91896	30.75140	153.86355	5.47396	0.0801313	0.23679970	2.5875095	20	5 15.5	19.5
259320 2003 FW_{62}	16.1	X	269.29696	139.73957	29.21948	10.11637	0.1683620	0.21352346	2.7722921	20	—	—
259321 2003 FM_{65}	16.2	X	199.54955	127.93561	111.35347	5.43091	0.0162660	0.21174443	2.7877986	20	—	—
259322 2003 FJ_{66}	16.4	X	289.69756	147.17537	120.01065	3.47836	0.1080593	0.22872256	2.6480736	20	3 6.4	19.9
259323 2003 FN_{68}	15.9	X	132.49554	314.01470	45.67078	11.51346	0.0775436	0.21996492	2.7179019	20	1 12.1	19.9
259324 2003 FV_{71}	16.6	X	15.43306	318.21501	176.49026	5.47078	0.2276354	0.22624312	2.6673856	20	1 7.5	19.0
259325 2003 FB_{72}	15.6	X	267.75881	104.70189	149.15877	12.98043	0.1549285	0.22243010	2.6977830	20	1 18.7	19.9
259326 2003 FY_{74}	15.7	X	280.98213	10.63211	140.14894	9.13096	0.2343112	0.21242153	2.7818713	20	12 29.0	18.6
259327 2003 FD_{91}	16.0	X	106.30207	185.53672	346.18469	9.68530	0.1794801	0.18600211	3.0394206	20	7 30.7	20.8
259328 2003 FG_{94}	15.5	X	21.36159	149.87039	60.29735	11.51184	0.0761478	0.17683319	3.1435969	20	5 12.4	19.4
259329 2003 FT_{94}	15.2	X	12.63691	93.69654	146.24277	10.53955	0.1850004	0.17861446	3.1226619	20	6 13.9	18.7
259330 2003 FE_{95}	15.3	X	356.31705	248.98007	344.60275	8.81877	0.0258606	0.17909782	3.1170410	20	5 1.6	19.6
259331 2003 FY_{97}	15.9	X	15.92208	192.77499	349.11330	13.28008	0.1609798	0.23130041	2.6283616	20	3 19.8	18.5
259332 2003 FH_{108}	16.0	X	144.99430	46.97130	26.96713	15.71806	0.2851752	0.24326550	2.5414547	20	5 7.6	20.5
259333 2003 FC_{111}	16.2	X	0.73742	339.95666	195.77722	13.32308	0.1817460	0.22988041	2.6391743	20	2 5.4	19.2
259334 2003 FD_{111}	16.3	X	359.46936	118.55523	76.06738	7.28008	0.1716490	0.23136703	2.6278570	20	3 10.7	19.0
259335 2003 FV_{116}	15.7	X	103.57014	16.93841	339.95296	13.19159	0.1020746	0.21954033	2.7214050	20	—	—
259336 2003 FU_{118}	15.8	X	78.19259	55.11349	157.64623	10.55705	0.0532081	0.19024150	2.9940970	20	7 30.6	20.0
259337 2003 FK_{120}	15.4	X	359.81885	254.10491	354.02804	14.81675	0.0201882	0.18290502	3.0736351	20	5 24.3	19.9
259338 2003 FY_{121}	16.4	X	182.57794	152.02324	112.63927	4.99627	0.0580951	0.21296675	2.7771213	20	—	—
259339 2003 FD_{130}	16.1	X	338.49656	102.58940	108.68499	7.54993	0.1310737	0.22716913	2.6601319	20	2 28.9	19.2
259340 2003 FK_{130}	15.8	X	312.34596	93.76211	54.76275	14.72117	0.1106972	0.21350010	2.7724943	20	—	—
259341 2003 FB_{132}	16.1	X	58.26971	139.94095	123.72806	6.25132	0.1428319	0.18772280	3.0208189	20	9 25.4	20.3
259342 2003 FB_{133}	13.1	X	208.09915	294.08067	198.59806	12.60841	0.0663589	0.08278733	5.2138693	20	9 4.7	20.4
259343 2003 FK_{133}	13.6	X	220.53861	75.96318	41.55899	4.40524	0.0320106	0.08146150	5.2702890	20	9 7.6	20.7
259344 Paré	16.4	X	11.39630	96.79159	112.75557	10.76335	0.1274991	0.23449355	2.6044465	20	4 28.4	19.3
259345 2003 GJ_{14}	16.5	X	47.27764	2.25676	134.48866	6.77142	0.2307300	0.23270767	2.6177545	20	3 31.2	18.9
259346 2003 GO_{22}	15.6	X	358.13011	73.10374	99.93054	13.81042	0.1204915	0.22790680	2.6543887	20	2 10.4	18.7
259347 2003 GD_{24}	16.0	X	196.73762	291.47868	185.53364	10.71391	0.0582724	0.19172950	2.9785856	20	8 15.9	20.6
259348 2003 GN_{24}	15.8	X	293.07172	298.62563	47.34416	11.28834	0.1157397	0.18396762	3.0617880	20	6 20.9	19.9
259349 2003 GB_{26}	17.0	X	278.21661	20.18600	177.80911	3.57376	0.0511424	0.21761455	2.7374368	20	—	—
259350 2003 GD_{27}	15.7	X	97.42749	317.68716	188.64290	10.13320	0.0449737	0.18053061	3.1005268	20	5 31.0	20.2
259351 2003 GZ_{31}	15.7	X	252.73266	168.56097	27.79395	14.50583	0.1336501	0.21336357	2.7736769	20	—	—
259352 2003 GG_{34}	16.0	X	288.80719	49.30376	128.23289	13.23236	0.0537133	0.21465449	2.7625452	20	—	—
259353 2003 GT_{41}	17.1	X	95.86177	194.69399	101.90811	9.90083	0.3807794	0.30881013	2.1677458	20	—	—
259354 2003 GQ_{44}	16.5	X	24.34158	80.26161	109.95042	14.95741	0.1736129	0.23406728	2.6076077	20	4 30.3	19.4
259355 2003 GQ_{45}	16.6	X	334.74408	312.92072	180.88832	13.46718	0.1584129	0.21857992	2.7293708	20	—	—
259356 2003 GT_{45}	16.4	X	321.90916	34.86347	127.91515	5.80364	0.0508843	0.21925627	2.7237549	20	—	—
259357 2003 GH_{46}	13.2	X	277.54417	338.20436	89.97406	6.23973	0.0626923	0.08264534	5.2198393	20	9 12.5	20.0
259358 2003 GP_{50}	15.4	X	338.33246	77.38185	122.00355	11.81303	0.1133136	0.17037539	3.2225387	20	2 23.3	19.5
259359 2003 GQ_{51}	16.1	X	29.50007	60.20036	125.22347	14.08011	0.2008064	0.23281457	2.6169532	20	5 5.8	18.9
259360 2003 GA_{57}	13.4	X	295.47463	22.87887	32.11091	7.04628	0.0739193	0.08210585	5.2426795	20	9 16.9	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
259361 2003 GJ_{57}	12.6	X	206.18803	64.84916	88.75503	11.49177	0.0379095	0.08049601	5.3123476	20	10 5.7	19.8
259362 2003 HH_{2}	16.4	X	90.13941	61.66714	77.59188	24.09873	0.0731335	0.35096046	1.9905080	20	5 18.2	18.6
259363 2003 HJ_{2}	15.8	X	70.67229	49.37319	103.11266	29.20723	0.1810866	0.23456879	2.6038896	20	5 31.8	19.5
259364 2003 HU_{3}	15.4	X	140.56235	266.41022	212.19825	16.29400	0.0839891	0.18163628	3.0879315	20	6 17.9	20.3
259365 2003 HE_{10}	17.4	X	32.39094	249.09039	38.68561	3.62402	0.1978971	0.30178928	2.2012372	20	10 19.1	19.6
259366 2003 HL_{11}	15.5	X	51.30724	139.61237	96.85462	7.80536	0.1781953	0.18398579	3.0615865	20	8 16.4	19.6
259367 2003 HP_{11}	16.1	X	80.18212	90.08604	83.80287	9.80342	0.2223192	0.23828707	2.5767309	20	7 10.9	19.7
259368 2003 HZ_{11}	15.8	X	341.95537	96.99712	131.70394	13.23708	0.2173079	0.22745450	2.6579064	20	3 20.3	18.6
259369 2003 HM_{13}	16.6	X	286.42949	70.96274	90.55412	4.42155	0.2132742	0.21331622	2.7740873	20	—	—
259370 2003 HQ_{14}	13.1	X	164.17806	170.87908	23.19270	19.36367	0.1202240	0.08373076	5.1746308	20	10 5.7	20.5
259371 2003 HK_{16}	17.0	X	110.82154	68.78255	72.18394	23.13690	0.0718285	0.35384795	1.9796645	20	6 13.3	19.0
259372 2003 HR_{17}	16.3	X	213.68066	195.23633	72.16582	3.90753	0.0524115	0.21509129	2.7588039	20	—	—
259373 2003 HA_{25}	15.9	X	341.51760	259.18835	37.31066	10.07946	0.0977071	0.18258593	3.0772151	20	7 3.7	19.8
259374 2003 HQ_{26}	15.6	X	8.74444	41.53914	194.79942	14.52928	0.1927393	0.17720388	3.1392114	20	5 31.8	19.2
259375 2003 HT_{26}	15.7	X	244.18703	14.62967	76.88784	11.74855	0.0391246	0.19291857	2.9663338	20	9 21.2	20.1
259376 2003 HG_{27}	16.2	X	266.44709	122.53879	131.57881	4.87289	0.1753700	0.21957201	2.7211432	20	1 16.8	20.4
259377 2003 HQ_{38}	15.5	X	71.29323	213.62463	316.38692	14.70141	0.0958814	0.23791214	2.5794373	20	6 1.7	19.1
259378 2003 HF_{49}	16.1	X	286.24648	81.96578	104.20495	4.07663	0.1710299	0.21427340	2.7658198	20	—	—
259379 2003 HS_{50}	15.9	X	352.26601	115.46923	127.52180	6.55541	0.2458048	0.23034075	2.6356568	20	4 30.5	18.1
259380 2003 HE_{51}	14.8	X	0.46313	194.23495	77.02097	18.43614	0.1991200	0.17768826	3.1335038	20	7 1.7	18.1
259381 2003 HL_{53}	15.3	X	46.50931	187.59360	103.52596	12.32941	0.2111927	0.18893671	3.0078660	20	10 28.2	19.7
259382 2003 HA_{55}	16.2	X	128.19761	173.91990	24.32870	15.77311	0.0428865	0.19254953	2.9701228	20	9 17.5	20.7
259383 2003 JH_{8}	16.3	X	59.67581	80.04264	62.61323	13.08529	0.2269047	0.23236415	2.6203339	20	5 2.3	19.2
259384 2003 JX_{10}	15.6	X	335.11140	232.64741	36.57663	16.59314	0.1061613	0.17613065	3.1519508	20	5 13.3	19.6
259385 2003 KC_{5}	16.7	X	23.44542	92.56557	44.44140	14.09642	0.2392664	0.22620818	2.6676602	20	2 7.4	19.2
259386 2003 KJ_{7}	15.3	X	82.88020	330.82634	209.71331	16.86451	0.1576248	0.17943655	3.1131170	20	7 7.4	20.1
259387 Atauta	16.1	X	267.35433	118.38240	134.76202	4.46623	0.1658855	0.21719223	2.7409842	20	1 17.6	20.4
259388 2003 LL	16.0	X	65.66184	126.67644	125.75739	12.01804	0.0985655	0.18626334	3.0365781	20	9 14.9	20.3
259389 2003 MX_{8}	17.6	X	71.10458	31.02847	247.71188	6.92139	0.2092465	0.30121582	2.2040302	20	11 21.6	20.8
259390 2003 NG_{7}	17.1	X	312.67476	228.86355	77.04145	7.17560	0.1759618	0.28566780	2.2832941	20	5 18.7	19.3
259391 2003 OY_{1}	15.6	X	29.82855	213.15710	111.57560	16.07561	0.2829608	0.18107507	3.0943085	20	11 24.9	19.9
259392 2003 OY_{6}	15.1	X	91.20276	3.22298	266.98901	11.57623	0.2275754	0.18627914	3.0364064	20	11 11.9	20.2
259393 2003 OA_{7}	17.7	X	63.46335	130.10048	190.00635	5.23353	0.2308978	0.30389028	2.1910797	20	—	—
259394 2003 OK_{11}	15.0	X	338.00840	67.38961	251.18970	17.95745	0.1642003	0.17219814	3.1997575	20	7 17.7	19.0
259395 2003 PD_{2}	15.5	X	116.96611	357.73992	296.87406	7.72273	0.0663558	0.19303229	2.9651687	20	12 26.7	20.0
259396 2003 QH	17.0	X	256.81919	15.12952	316.39994	6.19019	0.1309432	0.27746583	2.3280718	20	4 8.9	20.4
259397 2003 QF_{2}	16.4	X	322.11139	57.14715	260.88557	21.89145	0.2195092	0.28481907	2.2878278	20	6 18.9	18.1
259398 2003 QT_{2}	17.2	X	342.90297	107.06560	279.42370	4.07407	0.1578210	0.29764598	2.2216179	20	12 13.6	19.1
259399 2003 QG_{5}	16.8	X	214.99832	114.43207	252.80300	1.18004	0.2386501	0.27347298	2.3506778	20	4 9.9	20.9
259400 2003 QZ_{5}	17.7	X	16.12952	17.02338	327.41088	4.42325	0.1458395	0.29654622	2.2271072	20	12 4.1	20.2
259401 2003 QZ_{8}	15.9	X	331.51840	63.55247	304.47761	8.00599	0.0742272	0.17624536	3.1505830	20	9 16.9	20.1
259402 2003 QU_{22}	15.2	X	283.60246	125.86091	278.24173	3.64208	0.1397408	0.17132616	3.2106054	20	8 17.6	19.6
259403 2003 QL_{24}	14.8	X	304.59069	51.12494	327.44289	20.44373	0.0848102	0.17275825	3.1928378	20	8 23.1	18.9
259404 2003 QG_{26}	17.6	X	217.22183	82.14303	295.34268	4.31346	0.2392926	0.27539363	2.3397356	20	4 23.0	21.5
259405 2003 QQ_{46}	15.0	X	350.37987	251.27310	131.06745	18.69727	0.2045034	0.17856193	3.1232743	20	11 22.2	18.8
259406 2003 QE_{50}	17.1	X	358.39530	342.09223	8.36344	7.30763	0.2087481	0.29480000	2.2358932	20	11 22.9	19.2
259407 2003 QJ_{51}	17.5	X	352.54286	209.32531	131.29649	7.25638	0.1535082	0.29157032	2.2523740	20	10 23.1	19.5
259408 2003 QG_{54}	17.0	X	24.11766	250.57968	115.73535	5.82701	0.1942257	0.30118925	2.2041598	20	—	—
259409 2003 QF_{65}	15.1	X	311.18968	240.53227	128.65215	17.30023	0.2349738	0.16968096	3.2313250	20	8 2.3	18.6
259410 2003 QJ_{65}	16.9	X	33.93434	304.23626	66.93889	9.24802	0.1578375	0.30284821	2.1961030	20	—	—
259411 2003 QE_{70}	15.8	X	66.84279	204.04303	103.28630	7.15151	0.1190323	0.18345239	3.0675180	20	11 22.9	20.3
259412 2003 QB_{72}	15.6	X	308.88879	283.31674	87.84607	4.95876	0.1909509	0.17041116	3.2220878	20	8 8.6	19.5
259413 2003 QX_{72}	15.2	X	5.84479	13.36025	323.58121	23.54614	0.0856029	0.17697615	3.1419039	20	9 20.6	19.6
259414 2003 QW_{73}	17.6	X	358.59413	149.74612	163.33035	6.46406	0.1405128	0.29122705	2.2541436	20	9 15.4	19.4
259415 2003 QB_{76}	17.6	X	65.83873	100.47360	248.27012	2.01965	0.2236739	0.30539619	2.1838709	20	—	—
259416 2003 QK_{77}	15.2	X	44.55556	326.04740	350.69200	26.93104	0.1201211	0.17850525	3.1239355	20	10 22.6	19.9
259417 2003 QV_{86}	15.1	X	291.78869	81.93975	324.14868	13.89183	0.1741526	0.17423798	3.1747351	20	8 26.9	19.2
259418 2003 QX_{101}	16.9	X	51.99447	192.64357	112.52074	7.90667	0.1590597	0.29715160	2.2240813	20	12 1.4	19.9
259419 2003 QN_{102}	15.5	X	7.11974	58.22117	313.89124	3.79295	0.1847225	0.18154797	3.0889327	20	11 30.5	19.1
259420 2003 QJ_{105}	16.8	X	355.25329	231.37709	105.90972	7.10821	0.1881380	0.29113029	2.2546430	20	10 28.5	18.8
259421 2003 QU_{105}	16.8	X	330.19103	204.21516	175.79327	10.13874	0.1611402	0.29232785	2.2484811	20	11 8.2	18.6
259422 2003 RE_{3}	17.2	X	162.18120	298.23414	116.90483	2.93547	0.2088675	0.27086681	2.3657319	20	4 28.2	21.1
259423 2003 RD_{7}	15.2	X	142.87805	342.81197	318.64264	9.35004	0.0978192	0.19199010	2.9758897	20	—	—
259424 2003 RP_{17}	15.4	X	42.26121	37.26982	239.70335	12.98183	0.2350173	0.17693034	3.1424461	20	9 25.8	19.8
259425 2003 RZ_{20}	14.6	X	3.61977	355.01846	53.10572	3.61456	0.2500235	0.12393069	3.9842826	20	12 28.7	19.0
259426 2003 SK	17.4	X	354.79657	112.97074	311.34435	4.98215	0.1026480	0.30406265	2.1902515	20	—	—
259427 2003 SN	15.5	X	223.28557	132.31789	343.73109	8.85275	0.0478335	0.17463842	3.1698802	20	9 15.3	20.1
259428 2003 SP_{4}	16.9	X	142.86114	214.59430	66.17061	4.59162	0.1503883	0.30918284	2.1660034	20	—	—
259429 2003 SA_{5}	16.6	X	14.96026	128.76672	204.36813	7.13715	0.2244543	0.29384993	2.2407100	20	11 30.4	19.0
259430 2003 SN_{6}	17.5	X	261.48862	147.87730	211.89320	7.54140	0.3252724	0.27944677	2.3170567	20	5 3.6	21.0
259431 2003 SW_{10}	17.2	X	38.28770	83.91817	190.41877	7.05796	0.1386431	0.28936764	2.2637897	20	9 24.7	19.7
259432 2003 SA_{11}	17.5	X	332.70942	355.85593	17.17585	2.88817	0.1776793	0.29202091	2.2500565	20	10 30.9	18.9
259433 2003 SE_{17}	17.1	X	8.91381	315.83508	18.56519	3.37258	0.1904475	0.29337950	2.2431047	20	11 14.9	19.3
259434 2003 ST_{22}	18.0	X	92.89776	59.46079	278.42478	1.32256	0.1238716	0.30606145	2.1807052	20	—	—
259435 2003 SQ_{23}	17.7	X	19.34266	299.68299	350.92200	4.46584	0.1416899	0.28984293	2.2613142	20	9 18.7	19.6
259436 2003 SO_{28}	15.0	X	315.52141	29.55580	264.57419	3.86251	0.0718910	0.15930501	3.3701541	20	5 22.7	19.4
259437 2003 SY_{28}	17.0	X	310.59458	155.73057	286.01648	5.31427	0.0789951	0.29852253	2.2172669	20	12 29.9	18.9
259438 2003 SJ_{30}	17.6	X	223.58495	83.71180	313.14180	2.51875	0.2170398	0.27760413	2.3272985	20	5 25.9	21.3
259439 2003 SM_{30}	17.7	X	308.94804	86.09490	18.40296	2.52030	0.1846849	0.29875591	2.2161120	20	—	—
259440 2003 SM_{33}	17.2	X	162.36623	259.23182	137.07126	3.09150	0.1999951	0.26702522	2.3883677	20	4 4.4	20.9

Planet		H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
		m		°	°	°	°		°				
259441	2003 SH_{37}	17.0	X	259.12457	47.60759	242.80207	6.96373	0.1223512	0.27038999	2.3685123	20	2 18.8	20.6
259442	2003 SL_{39}	17.5	X	335.33735	68.47926	310.03161	2.06516	0.1805871	0.29281684	2.2459772	20	11 15.8	19.2
259443	2003 SZ_{41}	16.5	X	177.49897	69.69079	12.27705	24.81498	0.2372689	0.27220496	2.3579723	20	6 8.3	21.1
259444	2003 SH_{43}	17.7	X	23.23476	72.26207	229.12093	3.15347	0.2165323	0.29405336	2.2396765	20	10 25.7	20.0
259445	2003 SS_{49}	17.4	X	6.32626	126.30556	218.62005	3.96301	0.1198073	0.29361145	2.2419231	20	11 15.4	19.7
259446	2003 SD_{51}	17.1	X	56.09014	297.67287	36.09587	2.35560	0.0892886	0.30041785	2.2079313	20	—	—
259447	2003 SU_{51}	17.2	X	188.75517	337.96974	77.48881	2.89986	0.2411126	0.27238379	2.3569401	20	5 20.2	21.3
259448	2003 SQ_{54}	15.1	X	295.58173	152.55176	256.77957	5.52293	0.1262572	0.17353369	3.1833192	20	9 11.4	19.2
259449	2003 SF_{58}	15.0	X	34.48645	26.80424	279.36294	14.61150	0.1595659	0.17812063	3.1284309	20	10 8.2	19.4
259450	2003 SK_{68}	15.5	X	204.37209	208.33564	323.98477	9.12285	0.0383269	0.18138895	3.0907378	20	10 31.1	20.1
259451	2003 SP_{68}	16.8	X	332.67237	289.05847	311.29986	4.80646	0.0750669	0.27370045	2.3493752	20	3 27.5	19.5
259452	2003 SQ_{70}	17.2	X	55.54008	78.10978	235.04340	3.51401	0.1999452	0.29912303	2.2142984	20	12 19.1	20.2
259453	2003 SD_{73}	17.5	X	204.98968	57.23587	318.16061	1.27078	0.2269887	0.27166758	2.3610808	20	4 12.3	21.3
259454	2003 ST_{77}	17.2	X	349.34863	71.26043	274.16405	4.99697	0.2024710	0.29200041	2.2501617	20	10 24.9	18.9
259455	2003 SU_{82}	17.7	X	228.80986	29.38602	7.50162	2.47871	0.2189995	0.27737633	2.3285726	20	5 30.8	21.5
259456	2003 SH_{88}	15.9	X	298.73403	24.46695	8.30900	2.35660	0.2092494	0.16898398	3.2402040	20	8 16.9	19.9
259457	2003 SY_{88}	15.5	X	297.48108	352.22257	70.77730	7.17634	0.0465963	0.17761572	3.1343569	20	10 17.4	19.8
259458	2003 SJ_{90}	17.5	X	345.11306	264.36635	79.00730	4.30980	0.2036396	0.29096956	2.2554732	20	10 16.2	19.0
259459	2003 SY_{95}	17.5	X	218.76495	72.99308	316.83156	3.62636	0.2036537	0.27437015	2.3455506	20	5 12.5	21.2
259460	2003 SZ_{100}	14.9	X	354.07957	98.00871	261.74722	9.61661	0.1282826	0.17672808	3.1448433	20	10 13.2	18.9
259461	2003 SN_{101}	17.4	X	12.50967	59.61992	260.72823	6.81920	0.2806173	0.29374493	2.2412440	20	11 16.4	19.7
259462	2003 SB_{104}	17.8	X	288.25713	125.48515	202.75512	2.24372	0.2448559	0.27933637	2.3176671	20	4 30.3	20.8
259463	2003 SS_{107}	14.7	X	217.00801	85.92661	266.06882	5.94127	0.0817107	0.15020711	3.5049008	20	4 3.6	20.1
259464	2003 SN_{117}	17.3	X	268.25641	268.81460	1.82999	4.11617	0.3001885	0.26868744	2.3785072	20	1 24.1	21.3
259465	2003 SM_{123}	17.0	X	18.08287	3.17418	309.13354	5.87091	0.2123093	0.29245620	2.2478232	20	10 29.9	19.4
259466	2003 SP_{123}	16.8	X	151.39465	171.60398	231.20917	1.27346	0.1723188	0.26537618	2.3982517	20	3 29.9	20.5
259467	2003 SD_{142}	17.6	X	332.67708	356.40050	54.12188	3.09707	0.1596695	0.29512444	2.2342543	20	12 30.4	19.3
259468	2003 SW_{143}	17.6	X	52.10295	24.09251	327.27719	3.06387	0.1552534	0.30148734	2.2027067	20	—	—
259469	2003 SQ_{145}	17.3	X	326.40731	108.92236	268.99275	6.79680	0.1281017	0.29061216	2.2573221	20	10 18.3	19.2
259470	2003 SD_{151}	16.8	X	94.97929	179.14076	103.50500	8.56607	0.1891752	0.30144964	2.2028903	20	12 17.5	20.1
259471	2003 SD_{154}	16.9	X	337.05608	282.74599	88.81129	7.60351	0.0883246	0.29371362	2.2414032	20	11 3.3	19.1
259472	2003 SA_{168}	16.4	X	195.45804	294.23701	84.27829	7.12997	0.1458477	0.27226831	2.3576065	20	4 12.7	20.1
259473	2003 SS_{169}	17.1	X	332.98509	191.86228	164.54446	4.42061	0.1364909	0.28999721	2.2605121	20	10 1.9	18.7
259474	2003 SX_{169}	16.6	X	96.00842	78.81773	221.04268	6.01052	0.1222855	0.30236719	2.1984315	20	—	—
259475	2003 SR_{173}	15.5	X	59.02086	50.02642	250.74982	4.35292	0.1220011	0.17771512	3.1331880	20	11 3.1	20.0
259476	2003 SW_{179}	14.8	X	279.98582	45.18568	352.08717	21.44717	0.0537677	0.16959311	3.2324408	20	8 24.1	19.4
259477	2003 SM_{184}	18.0	X	345.09068	173.48790	184.08466	2.91833	0.1751529	0.29187990	2.2507811	20	11 3.7	19.7
259478	2003 SU_{186}	16.8	X	221.48623	349.49060	52.88817	6.06476	0.2301637	0.27675502	2.3320564	20	5 30.4	20.7
259479	2003 SZ_{198}	16.7	X	72.07383	15.37279	305.63324	4.56878	0.1968045	0.30067922	2.2066516	20	—	—
259480	2003 SN_{200}	16.7	X	341.21469	60.30670	328.62234	20.41199	0.2348436	0.29320523	2.2439934	20	12 29.8	19.0
259481	2003 SY_{200}	15.5	X	43.39457	98.05630	211.49065	5.43855	0.1067577	0.17717435	3.1395602	20	10 23.9	19.7
259482	2003 SU_{202}	17.3	X	54.73326	96.45980	189.68629	4.93879	0.1289770	0.29476239	2.2360834	20	11 4.1	20.1
259483	2003 SZ_{210}	15.3	X	79.33738	350.37846	304.25419	8.17029	0.0580743	0.18312022	3.0712265	20	11 10.0	19.8
259484	2003 SF_{212}	16.8	X	16.88761	207.12601	78.10426	7.64931	0.1065098	0.28852067	2.2682178	20	9 5.0	19.2
259485	2003 SS_{215}	17.3	X	356.31252	275.01417	110.71052	7.53179	0.2641895	0.29688419	2.2254167	20	—	—
259486	2003 SH_{220}	17.4	X	302.95181	24.66760	12.07011	2.37809	0.0991996	0.29035133	2.2586737	20	10 5.3	19.5
259487	2003 SZ_{221}	16.9	X	39.20937	159.89995	203.35651	3.78020	0.2054097	0.30126662	2.2037824	20	—	—
259488	2003 SK_{224}	17.9	X	293.06078	106.38987	251.16051	3.45153	0.2314201	0.28119360	2.3074507	20	6 22.0	20.1
259489	2003 ST_{227}	16.7	X	24.53970	340.13668	3.75249	3.87616	0.2360483	0.29589702	2.2303635	20	12 29.5	19.5
259490	2003 SW_{228}	16.9	X	357.70271	304.29249	23.89946	6.06503	0.2676812	0.28965660	2.2622839	20	10 28.1	18.3
259491	2003 SD_{229}	17.1	X	236.83110	125.37769	181.51015	3.19398	0.0670769	0.26443258	2.4039536	20	2 23.0	20.3
259492	2003 SE_{230}	17.8	X	269.64396	316.57022	70.45944	1.40860	0.2269602	0.28403105	2.2920575	20	7 1.4	20.4
259493	2003 SE_{233}	17.3	X	27.97975	251.52208	70.43518	3.89511	0.2059469	0.29511747	2.2342894	20	11 29.4	19.8
259494	2003 SQ_{237}	17.3	X	348.31046	301.67915	34.02551	3.09580	0.1863417	0.28893822	2.2660321	20	10 6.1	18.9
259495	2003 SJ_{247}	15.8	X	17.11610	126.93445	193.19330	0.32346	0.2055589	0.17392542	3.1785375	20	10 12.4	19.4
259496	2003 ST_{250}	17.0	X	311.19287	1.39069	36.48169	6.63669	0.2438525	0.28864300	2.2675769	20	10 17.2	18.0
259497	2003 SV_{252}	17.1	X	298.37149	261.80930	187.64756	4.77259	0.0314925	0.29966793	2.2116133	20	12 20.5	19.5
259498	2003 SB_{257}	17.4	X	177.36760	235.49371	185.39780	1.94112	0.1908051	0.27305520	2.3530749	20	5 17.6	21.2
259499	2003 SR_{258}	17.0	X	135.46206	4.58321	43.82066	2.92791	0.2059864	0.26254793	2.4154441	20	3 26.1	20.6
259500	2003 SS_{262}	16.7	X	123.03555	115.17372	30.07525	7.08579	0.0422124	0.27869776	2.3212063	20	7 3.2	19.7
259501	2003 SP_{277}	17.1	X	343.69723	72.69875	282.87677	5.28771	0.2108777	0.29141584	2.2531699	20	10 29.7	18.6
259502	2003 SL_{284}	17.3	X	315.01078	144.20557	272.08195	5.31969	0.1309802	0.29501443	2.2348097	20	11 29.8	19.0
259503	2003 SG_{286}	17.8	X	207.52941	135.07364	225.17417	3.84112	0.1225125	0.27092052	2.3654192	20	3 27.8	21.4
259504	2003 SD_{290}	17.2	X	49.76012	213.98718	84.51876	6.68018	0.1762815	0.29534493	2.2331422	20	11 21.4	20.1
259505	2003 SB_{300}	17.6	X	216.28442	93.30681	321.01151	5.43496	0.2154793	0.27754607	2.3276231	20	6 11.4	21.3
259506	2003 SC_{301}	17.9	X	271.70394	173.15654	229.20291	4.26444	0.1162832	0.28620633	2.2804290	20	8 13.7	20.5
259507	2003 SL_{308}	17.4	X	1.50034	205.77683	232.75464	5.61351	0.1097821	0.30636099	2.1792835	20	—	—
259508	2003 SF_{324}	15.8	X	110.05915	38.99147	233.19493	3.99944	0.1400449	0.18374610	3.0642484	20	11 25.8	20.7
259509	2003 SL_{331}	16.3	X	158.11940	334.75867	92.60818	8.38422	0.0832722	0.26891222	2.3771816	20	5 5.4	19.7
259510	2003 SB_{332}	17.0	X	196.12134	0.20983	67.14424	7.55532	0.1416144	0.27490863	2.3424867	20	6 12.9	20.4
259511	2003 SU_{333}	15.3	X	265.57448	178.29833	136.77810	6.41185	0.0495495	0.15291183	3.4634479	20	4 21.1	20.3
259512	2003 SD_{336}	17.0	X	241.54425	317.03832	104.19115	8.79021	0.0789438	0.28115216	2.3076774	20	8 6.2	19.9
259513	2003 SC_{339}	17.3	X	306.31519	183.11850	72.24306	4.83436	0.1176512	0.26959204	2.3731836	20	3 8.1	20.2
259514	2003 SK_{401}	15.0	X	127.86108	118.27691	109.98813	12.58809	0.0695801	0.17190366	3.2034108	20	10 22.5	20.0
259515	2003 SM_{404}	16.9	X	293.59540	208.09578	75.77473	7.93818	0.1075778	0.27140743	2.3625893	20	4 1.9	19.9
259516	2003 SL_{431}	16.8	X	297.87319	154.43515	79.34058	7.41625	0.1107307	0.26316381	2.4116740	20	1 28.8	20.0
259517	2003 TM_{13}	17.0	X	6.84708	276.67179	42.23517	9.25125	0.2710777	0.29023560	2.2592741	20	11 2.8	18.9
259518	2003 TV_{14}	16.8	X	307.01841	329.57189	73.74952	6.68006	0.2250806	0.28928546	2.2642184	20	10 19.2	18.0
259519	2003 TA_{17}	17.0	X	139.56831	268.24809	137.56932	1.28652	0.2017074	0.26276878	2.4140905	20	3 25.9	20.6
259520	2003 TN_{28}	15.4	X	207.12697	280.35039	263.47594	1.65814	0.0698706	0.17947646	3.1126554	20	11 17.0	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
259521 2003 TV_{43}	16.9	X	89.37333	236.22028	39.20906	5.73149	0.1695923	0.29496633	2.2350526	20	11 30.1	20.2
259522 2003 TM_{49}	17.4	X	240.83149	322.63524	349.34733	6.01050	0.2365094	0.26763392	2.3847450	20	2 24.7	21.3
259523 2003 UA_{24}	15.0	X	59.63424	128.69276	225.03686	3.19164	0.1988335	0.12396166	3.9836190	20	—	—
259524 2003 UQ_{29}	16.8	X	197.92847	349.79609	37.28495	8.47194	0.2021441	0.27084436	2.3658626	20	4 22.4	20.5
259525 2003 UH_{35}	17.2	X	45.12010	317.81203	342.84347	4.37860	0.2186126	0.29491831	2.2352952	20	11 22.0	20.2
259526 2003 UL_{40}	17.0	X	211.92922	306.56399	53.38594	4.02843	0.2133646	0.26828840	2.3808651	20	4 1.3	20.9
259527 2003 UH_{41}	16.8	X	64.39262	296.26477	65.73211	3.77410	0.2296454	0.30373900	2.1918072	20	—	—
259528 2003 UV_{42}	18.4	X	322.61366	58.41027	38.22489	3.17615	0.0945538	0.30159794	2.2021681	20	—	—
259529 2003 US_{47}	16.8	X	148.36159	216.96027	219.97262	6.81969	0.2153254	0.26686680	2.3893128	20	5 13.4	20.5
259530 2003 UF_{51}	14.8	X	89.18375	32.86470	265.92345	15.22723	0.0487470	0.18016111	3.1047646	20	11 26.7	19.5
259531 2003 UL_{53}	17.1	X	10.36642	79.93406	303.58887	6.21090	0.1728742	0.29725407	2.2235702	20	—	—
259532 2003 UK_{61}	17.5	X	64.53735	198.72711	145.66603	4.69178	0.1797629	0.30338549	2.1935095	20	—	—
259533 2003 UY_{61}	17.4	X	285.74095	268.85463	108.79229	4.79498	0.1538578	0.28378395	2.2933878	20	7 25.8	19.7
259534 2003 UL_{62}	17.2	X	7.35956	274.95553	96.26151	5.77915	0.1902722	0.29679785	2.2258482	20	—	—
259535 2003 UW_{62}	17.3	X	337.03280	314.11651	95.77512	6.21548	0.1718202	0.29616470	2.2290194	20	—	—
259536 2003 UV_{63}	16.9	X	342.60222	306.28068	94.08443	8.12761	0.1590683	0.29530911	2.2333227	20	—	—
259537 2003 UT_{74}	17.4	X	66.64606	57.34438	238.13789	6.26406	0.1630846	0.29563927	2.2316597	20	12 3.6	20.5
259538 2003 UV_{78}	17.3	X	269.20688	242.21799	279.78236	4.83423	0.0862378	0.30311931	2.1947934	20	—	—
259539 2003 UL_{79}	15.6	X	356.70566	24.43108	324.11685	13.94350	0.1524837	0.17415174	3.1757831	20	9 30.8	19.5
259540 2003 UR_{79}	16.8	X	111.94947	76.49845	0.77448	1.24493	0.1647106	0.26032703	2.4291624	20	4 1.1	19.8
259541 2003 UW_{83}	14.8	X	128.73315	346.03134	286.80552	15.97360	0.1109959	0.18391581	3.0623630	20	12 12.8	19.7
259542 2003 UW_{86}	17.0	X	196.08500	271.14966	134.09213	5.82394	0.1603072	0.27043346	2.3682585	20	5 16.3	20.7
259543 2003 US_{95}	17.4	X	339.15425	119.73903	188.67968	0.87848	0.1982104	0.28367686	2.2939650	20	7 21.2	18.5
259544 2003 UN_{98}	16.6	X	33.05754	238.30930	96.48125	7.41366	0.1550386	0.29361582	2.2419009	20	12 15.5	19.4
259545 2003 UQ_{98}	16.5	X	131.54587	315.66565	96.15528	7.32826	0.1213871	0.26056508	2.4276826	20	3 20.2	20.0
259546 2003 UX_{101}	17.2	X	274.57206	216.80318	215.65147	22.70137	0.1873659	0.28700923	2.2761741	20	9 17.9	20.1
259547 2003 UW_{109}	17.8	X	228.87449	216.65481	246.42427	1.65349	0.1441524	0.28335555	2.2956988	20	9 6.3	20.9
259548 2003 UZ_{121}	16.3	X	110.31282	324.52457	108.72386	11.82719	0.2205731	0.25913502	2.4366060	20	4 7.9	20.0
259549 2003 UL_{125}	17.2	X	0.85570	204.65399	144.99366	6.17179	0.1782996	0.29237114	2.2482592	20	11 24.1	19.4
259550 2003 UZ_{127}	17.2	X	292.77561	124.30530	288.79134	4.74757	0.1807154	0.28788363	2.2715627	20	9 27.5	19.3
259551 2003 UF_{135}	17.6	X	195.60559	231.37969	225.69338	3.86211	0.1753937	0.27825347	2.3236764	20	7 20.1	21.1
259552 2003 UR_{139}	17.1	X	332.12900	317.41459	62.49293	5.68524	0.1357991	0.29223456	2.2489596	20	11 7.9	18.7
259553 2003 UO_{144}	16.4	X	84.29063	164.46443	288.13527	3.85351	0.1482896	0.25721211	2.4487349	20	3 11.4	19.4
259554 2003 UE_{145}	17.0	X	264.29492	284.30257	49.49969	3.24940	0.2131788	0.27308117	2.3529257	20	4 14.9	20.3
259555 2003 UL_{147}	17.4	X	239.53912	285.30605	65.96135	5.00911	0.3028223	0.27228758	2.3574952	20	4 8.8	21.5
259556 2003 UN_{148}	17.0	X	354.93477	183.07961	153.68148	6.37539	0.2160190	0.28874100	2.2670638	20	10 29.8	18.8
259557 2003 UF_{153}	16.8	X	314.81002	349.11560	41.04324	12.53774	0.0814428	0.28822953	2.2697450	20	10 20.0	18.9
259558 2003 UV_{155}	17.0	X	49.12855	305.87851	181.72209	11.96246	0.1596558	0.25939124	2.4350012	20	3 2.4	19.2
259559 2003 UD_{158}	17.4	X	117.80668	147.99796	301.83502	1.62915	0.1804469	0.26223063	2.4173921	20	4 25.9	20.8
259560 2003 UH_{158}	16.6	X	105.75692	132.96401	313.00648	3.24449	0.1075038	0.26150427	2.4218665	20	3 26.0	19.7
259561 2003 UG_{162}	17.1	X	130.31045	61.43466	38.03335	7.22273	0.0835250	0.26865882	2.3786761	20	5 11.9	20.2
259562 2003 UZ_{162}	16.5	X	214.34742	283.47740	67.97479	4.58044	0.1698090	0.26774387	2.3840921	20	3 25.8	20.2
259563 2003 UD_{165}	17.1	X	10.69601	189.97809	113.60189	4.44385	0.2323387	0.28803254	2.2707797	20	10 11.9	19.0
259564 2003 UX_{165}	17.8	X	352.62673	102.98674	218.23574	3.23919	0.1657332	0.28617039	2.2806199	20	9 15.7	19.6
259565 2003 UF_{167}	17.0	X	356.50203	134.03014	267.13704	6.20533	0.0916570	0.29781857	2.2207595	20	—	—
259566 2003 UO_{170}	17.6	X	4.74946	258.66856	74.82179	2.42649	0.1793832	0.29004602	2.2602585	20	11 4.9	19.7
259567 2003 UJ_{173}	16.8	X	143.39416	221.46831	237.67595	4.89157	0.2360597	0.26757742	2.3850807	20	6 7.5	20.8
259568 2003 UH_{177}	16.9	X	30.85141	305.38488	87.44383	7.74640	0.1049166	0.30142149	2.2030274	20	—	—
259569 2003 UC_{180}	17.3	X	171.00761	358.32931	72.60790	3.32176	0.1602332	0.26982233	2.3718331	20	5 24.1	20.9
259570 2003 UC_{181}	17.4	X	262.93938	325.46782	74.33571	4.19959	0.1214906	0.28138618	2.3063977	20	7 29.1	20.2
259571 2003 UW_{184}	17.3	X	303.76446	341.80575	24.59882	6.66233	0.1126088	0.28333232	2.2958243	20	8 20.4	19.5
259572 2003 UA_{185}	17.2	X	294.44377	358.45355	50.80209	3.83459	0.1605714	0.28755080	2.2733152	20	10 2.9	19.0
259573 2003 UA_{186}	17.1	X	353.53818	164.78476	255.86529	5.24220	0.0690418	0.29999215	2.2100196	20	—	—
259574 2003 UT_{186}	17.6	X	340.91472	267.62368	91.50840	3.94227	0.1903772	0.28999996	2.2604978	20	10 30.4	19.1
259575 2003 UF_{187}	16.7	X	146.38902	88.35475	276.63214	4.07138	0.0886770	0.25734628	2.4478837	20	1 28.5	20.1
259576 2003 UQ_{188}	16.6	X	106.95817	242.75090	264.59413	8.96217	0.1548815	0.27029843	2.3690471	20	6 27.9	19.9
259577 2003 UK_{193}	15.3	X	240.52492	45.14907	29.08979	5.19248	0.0843791	0.16694818	3.2664919	20	8 12.3	20.1
259578 2003 UO_{197}	17.5	X	351.51736	358.29629	0.06063	1.08220	0.1839036	0.29181300	2.2511251	20	11 18.5	19.2
259579 2003 UH_{202}	16.6	X	325.57418	291.88270	83.00191	7.94570	0.2115763	0.28790882	2.2714302	20	10 21.9	18.0
259580 2003 UQ_{208}	17.2	X	168.40110	239.35581	152.35943	1.17913	0.1823704	0.26477457	2.4018831	20	4 2.4	20.8
259581 2003 UF_{211}	17.5	X	198.25586	99.62228	281.50175	1.01602	0.2075023	0.26824124	2.3811441	20	4 14.4	21.4
259582 2003 UH_{214}	17.0	X	315.26148	3.44970	215.84309	5.55792	0.0228387	0.26127205	2.4233013	20	2 11.2	20.0
259583 2003 UT_{217}	15.7	X	301.68548	53.61666	339.54167	4.66732	0.1312286	0.17004309	3.2267356	20	9 1.6	19.7
259584 2003 UH_{218}	16.5	X	142.09252	311.36427	109.78404	3.50130	0.1613245	0.26368681	2.4084841	20	4 14.6	20.0
259585 2003 UG_{220}	16.6	X	143.64442	297.89442	236.04219	6.23037	0.0517188	0.28314763	2.2968225	20	9 6.3	19.8
259586 2003 UM_{220}	16.8	X	163.57075	294.68195	236.97318	6.65381	0.0314612	0.28632550	2.2797962	20	9 30.2	19.7
259587 2003 UX_{229}	17.5	X	266.65242	117.63499	303.66470	2.34352	0.1448389	0.28463486	2.2888148	20	8 30.4	19.8
259588 2003 UF_{232}	17.4	X	105.11630	59.96251	49.23506	2.09241	0.1375486	0.26514151	2.3996665	20	5 2.1	20.3
259589 2003 UV_{235}	16.5	X	147.49654	214.05715	304.57739	6.94948	0.1539164	0.28241426	2.3007970	20	8 23.9	20.0
259590 2003 UA_{238}	16.9	X	268.13258	359.42930	70.93669	5.69572	0.1744178	0.28486326	2.2875912	20	9 14.9	19.4
259591 2003 UV_{244}	15.6	X	48.95056	276.29096	121.19161	3.65113	0.2915198	0.12594883	3.9416067	20	—	—
259592 2003 UX_{244}	15.4	X	271.29341	9.44612	89.30223	6.37041	0.1477916	0.17195242	3.2028051	20	10 12.5	19.7
259593 2003 UZ_{244}	17.0	X	153.91411	272.52586	131.29318	3.21783	0.1341868	0.26378690	2.4078748	20	4 1.9	20.5
259594 2003 UM_{248}	17.1	X	222.95784	186.95175	213.37865	4.04535	0.1346479	0.27531770	2.3401658	20	6 6.1	20.5
259595 2003 UX_{250}	17.2	X	315.10740	103.74041	307.25998	2.45908	0.1216589	0.29040220	2.2584099	20	11 19.2	19.0
259596 2003 UZ_{259}	17.3	X	300.73237	48.06797	290.94220	1.94094	0.2762998	0.28105195	2.3082259	20	5 28.6	19.7
259597 2003 UQ_{268}	17.6	X	172.45437	158.45526	237.96100	1.91296	0.1987800	0.26542119	2.3979805	20	4 11.5	21.3
259598 2003 UE_{270}	17.6	X	86.09517	268.22687	14.60890	5.57283	0.1704044	0.30012000	2.2093919	20	12 7.3	20.9
259599 2003 UO_{272}	16.9	X	193.97571	318.08717	96.01010	3.27140	0.1688322	0.27169300	2.3609335	20	5 24.3	20.5
259600 2003 UU_{272}	17.3	X	357.40711	315.25460	77.95732	5.66542	0.1633190	0.29599486	2.2298720	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
259601 2003 UF_{274}	17.5	X	296.83333	105.13542	269.70260	3.31661	0.2939452	0.28507968	2.2864333	20	7 14.3	19.4
259602 2003 UO_{274}	16.5	X	129.86455	66.36342	359.69345	6.31311	0.1196965	0.26368839	2.4084745	20	3 31.7	19.9
259603 2003 UZ_{276}	14.8	X	227.09206	157.78696	232.93806	18.65176	0.0276972	0.15458449	3.4384188	20	6 6.8	19.9
259604 2003 UW_{279}	17.2	X	228.09008	334.24139	359.60562	6.16727	0.1657886	0.26789190	2.3832137	20	3 14.5	20.8
259605 2003 UK_{280}	17.0	X	330.11634	287.91333	96.49064	7.05831	0.1896987	0.28924027	2.2644542	20	11 16.2	18.6
259606 2003 UW_{282}	17.1	X	14.67521	247.16208	124.34568	7.36867	0.1289483	0.29461345	2.2368370	20	—	—
259607 2003 UB_{283}	17.0	X	303.33721	273.86843	107.58949	7.31203	0.1409518	0.28454700	2.2892860	20	9 9.9	19.1
259608 2003 UW_{289}	17.3	X	183.62043	232.46648	273.77304	2.72898	0.0545249	0.28379762	2.2933142	20	9 19.7	20.2
259609 2003 UN_{291}	17.0	X	349.03327	54.43469	252.34372	6.62325	0.1429679	0.28128252	2.3069644	20	8 8.8	19.1
259610 2003 US_{296}	18.1	X	275.62632	359.30928	37.85747	2.96361	0.1323804	0.28422464	2.2910166	20	8 12.8	20.5
259611 2003 UU_{331}	17.6	X	137.07330	281.55132	196.83425	12.22669	0.1088226	0.27690270	2.3312271	20	6 18.3	21.2
259612 2003 US_{367}	17.3	X	27.65317	188.16598	56.85767	5.12943	0.0763821	0.27791669	2.3255533	20	7 13.6	19.7
259613 2003 UR_{375}	17.3	X	153.76086	119.57722	333.40719	5.32741	0.0567750	0.27585051	2.3371515	20	5 29.4	20.5
259614 2003 UO_{380}	17.3	X	171.87443	178.09562	66.93181	3.53937	0.1090184	0.30490660	2.1862081	20	—	—
259615 2003 VZ_{2}	16.8	X	221.98568	249.10542	77.87067	5.15256	0.1490310	0.26395433	2.4068565	20	3 3.5	20.5
259616 2003 VC_{6}	16.8	X	9.85736	87.19077	276.89922	8.69521	0.1740768	0.29336346	2.2431864	20	12 27.1	18.9
259617 2003 VL_{6}	17.2	X	314.91671	133.71231	246.03195	6.87152	0.1451047	0.28586731	2.2822316	20	9 24.1	19.2
259618 2003 VA_{8}	16.9	X	321.42550	300.31738	63.10148	7.83377	0.1327532	0.28351269	2.2948504	20	9 20.9	18.9
259619 2003 VM_{11}	16.9	X	287.04751	24.27483	64.45199	8.06574	0.1738430	0.28940882	2.2635749	20	11 18.0	18.3
259620 2003 WX	17.2	X	145.26627	210.97591	218.86240	2.50711	0.1567036	0.26423796	2.4051338	20	4 26.9	20.8
259621 2003 WY	17.5	X	17.29588	150.28280	218.85279	1.67186	0.1653083	0.29533230	2.2332058	20	—	—
259622 2003 WU_{2}	17.2	X	143.86448	41.60521	39.14509	2.71474	0.1916985	0.26504600	2.4002430	20	5 12.1	20.8
259623 2003 WP_{16}	17.7	X	353.38476	277.68364	57.13356	3.80098	0.1986662	0.28826510	2.2695583	20	10 18.5	19.2
259624 2003 WN_{20}	16.6	X	358.92019	153.83823	302.68446	5.40632	0.1705300	0.24267602	2.5455686	20	—	—
259625 2003 WS_{25}	15.8	X	323.41199	342.11875	133.89751	33.89601	0.1688214	0.23015875	2.6370461	20	—	—
259626 2003 WB_{29}	17.6	X	219.16099	112.25357	301.74390	2.29809	0.1586813	0.27594839	2.3365987	20	6 18.2	21.1
259627 2003 WU_{31}	17.6	X	213.80896	171.83113	306.49135	2.85710	0.1650727	0.28288021	2.2982698	20	9 6.7	21.0
259628 2003 WM_{32}	18.3	X	180.53076	107.01809	332.22327	1.70581	0.1961590	0.27064713	2.3670119	20	6 12.7	22.1
259629 2003 WK_{33}	17.1	X	96.99409	188.34753	304.23928	1.27229	0.0731968	0.26641723	2.3920000	20	5 13.5	20.0
259630 2003 WB_{34}	17.1	X	186.85331	113.71231	38.62211	7.03344	0.0395839	0.28414965	2.2914197	20	10 7.5	20.1
259631 2003 WF_{34}	16.7	X	56.92569	142.31909	346.46785	2.00035	0.1624784	0.25654514	2.4529772	20	3 21.6	19.2
259632 2003 WZ_{34}	17.3	X	228.88378	161.17924	281.93375	2.85626	0.1615789	0.27889884	2.3200904	20	8 7.1	20.6
259633 2003 WB_{35}	16.8	X	129.22402	42.84124	49.77786	7.22185	0.0927438	0.26434222	2.4045014	20	5 3.7	19.9
259634 2003 WF_{36}	17.3	X	170.06051	86.29633	18.45195	3.02742	0.1326352	0.27199116	2.3592077	20	7 7.2	20.9
259635 2003 WY_{38}	16.9	X	232.33179	201.40256	284.84668	6.43555	0.1430080	0.28697783	2.2763401	20	10 11.1	19.8
259636 2003 WV_{40}	16.9	X	90.24749	129.49715	359.28255	2.16415	0.1414453	0.26183148	2.4198483	20	5 9.6	20.0
259637 2003 WY_{41}	16.8	X	32.64591	66.35050	292.03142	4.82286	0.2224680	0.29623194	2.2286821	20	—	—
259638 2003 WA_{42}	17.1	X	310.25997	69.03339	275.50782	5.01021	0.2176526	0.28048864	2.3113153	20	7 7.7	19.0
259639 2003 WF_{45}	16.9	X	68.68403	74.71054	252.91509	3.93537	0.2187573	0.29807581	2.2194816	20	—	—
259640 2003 WQ_{48}	17.4	X	145.41047	3.02203	247.57043	6.31342	0.1140881	0.29805655	2.2195773	20	12 23.9	20.6
259641 2003 WG_{60}	17.0	X	347.74106	271.20060	60.67706	4.79192	0.1902150	0.28525917	2.2854741	20	9 29.7	18.6
259642 2003 WS_{64}	17.6	X	262.89949	185.97373	231.22162	2.63102	0.1226677	0.28129739	2.3068831	20	8 21.2	20.2
259643 2003 WB_{74}	16.9	X	86.68927	111.16464	359.51493	2.28746	0.1675158	0.25855835	2.4402276	20	4 13.7	19.7
259644 2003 WH_{79}	16.8	X	286.30814	184.33195	253.24082	6.92914	0.0436391	0.28906904	2.2653484	20	11 10.3	19.2
259645 2003 WJ_{81}	17.3	X	160.95804	5.83033	16.32433	2.09379	0.1446365	0.26006600	2.4307875	20	3 12.5	20.8
259646 2003 WB_{82}	17.2	X	328.26464	14.67895	320.87163	5.85855	0.2139560	0.28527544	2.2853872	20	8 10.1	18.1
259647 2003 WX_{82}	16.6	X	220.34273	328.94118	64.94901	27.75797	0.1645673	0.27438331	2.3454756	20	5 23.8	20.0
259648 2003 WR_{89}	18.2	X	193.34250	64.48512	351.56365	2.57099	0.1597617	0.27082277	2.3659883	20	5 25.3	21.9
259649 2003 WU_{92}	16.8	X	101.86154	151.58811	282.83664	4.22734	0.1149359	0.25771532	2.4455463	20	3 6.0	19.9
259650 2003 WH_{103}	16.6	X	344.68773	150.54145	240.46611	5.46329	0.1229804	0.29125689	2.2539896	20	12 16.2	18.8
259651 2003 WY_{103}	18.0	X	260.42760	38.24898	44.31857	2.57697	0.1648204	0.28361664	2.2942896	20	9 19.7	20.3
259652 2003 WL_{106}	16.3	X	336.11452	82.34708	299.15619	23.92426	0.2356914	0.28810143	2.2704178	20	11 27.6	18.5
259653 2003 WS_{114}	17.1	X	303.39762	23.08329	338.63249	1.88385	0.2354590	0.28228436	2.3015028	20	7 19.0	19.0
259654 2003 WC_{116}	16.9	X	356.37990	124.50721	278.81967	6.95903	0.1055698	0.29468647	2.2364675	20	—	—
259655 2003 WX_{116}	16.5	X	354.71634	62.25295	293.94615	5.64965	0.1606313	0.28842247	2.2687326	20	11 14.9	18.7
259656 2003 WH_{117}	17.1	X	270.03818	102.37113	16.45016	6.06960	0.0995437	0.29051443	2.2578283	20	12 8.7	19.3
259657 2003 WY_{117}	16.9	X	334.95623	335.25581	47.34480	8.79454	0.1470743	0.28849714	2.2683412	20	11 16.4	18.8
259658 2003 WG_{118}	15.9	X	338.51479	223.95201	268.03152	14.09973	0.0857210	0.24398091	2.5364841	20	—	—
259659 2003 WU_{124}	16.3	X	294.66522	68.66086	274.65457	18.66245	0.2435908	0.27629505	2.3346439	20	5 31.6	19.0
259660 2003 WS_{129}	17.3	X	182.26236	62.21774	6.21234	5.58917	0.1354265	0.27026222	2.3692587	20	5 30.4	21.0
259661 2003 WO_{131}	16.8	X	4.82778	303.31025	50.07617	7.24408	0.1586039	0.28992036	2.2609116	20	11 29.6	19.0
259662 2003 WG_{134}	17.0	X	277.38869	189.79155	237.09187	3.57584	0.2013014	0.28485545	2.2876330	20	9 15.1	19.3
259663 2003 WE_{136}	17.3	X	341.56945	133.73296	252.22304	2.95373	0.1530050	0.29012442	2.2598513	20	12 6.8	19.3
259664 2003 WH_{138}	16.8	X	300.48484	146.65952	258.65218	10.22217	0.1077492	0.28488583	2.2874704	20	10 6.6	19.3
259665 2003 WW_{138}	17.0	X	236.43603	153.79953	257.54602	3.84957	0.2290655	0.27549077	2.3391856	20	6 25.8	20.5
259666 2003 WU_{143}	17.0	X	119.30466	88.79800	3.68254	3.57617	0.0634575	0.26382758	2.4076273	20	4 15.9	20.1
259667 2003 WZ_{145}	16.9	X	346.35624	10.19000	95.04149	3.32294	0.0679451	0.24275174	2.5450392	20	—	—
259668 2003 WM_{147}	17.0	X	255.82129	307.66331	107.45133	6.19859	0.1339277	0.27968721	2.3157285	20	8 8.0	19.9
259669 2003 WZ_{162}	17.1	X	334.72649	142.00317	208.18703	3.45149	0.2554746	0.28676114	2.2774867	20	9 28.9	17.8
259670 2003 WM_{164}	17.4	X	140.97483	350.33547	73.99740	3.29692	0.1627828	0.26203829	2.4185749	20	4 17.3	21.0
259671 2003 WW_{164}	17.6	X	352.85071	172.43699	231.21769	1.70511	0.1468655	0.29452714	2.2372740	20	—	—
259672 2003 WL_{165}	17.8	X	237.40586	161.64309	217.45296	1.46161	0.1481645	0.27207870	2.3587017	20	5 22.8	21.0
259673 2003 WR_{170}	16.9	X	251.99681	280.91715	102.68729	13.26773	0.0939825	0.27557091	2.3387320	20	6 23.3	19.8
259674 2003 WG_{182}	17.4	X	25.93298	246.44774	333.29619	1.61558	0.1200173	0.27199722	2.3591727	20	6 4.3	19.5
259675 2003 XF_{2}	16.6	X	296.05857	24.10219	113.71602	5.07457	0.1027049	0.23830322	2.5766145	20	—	—
259676 2003 XK_{3}	16.4	X	161.18929	299.88603	110.73892	7.14873	0.0919586	0.26268858	2.4145818	20	4 17.9	19.9
259677 2003 XC_{8}	16.8	X	284.37007	58.60788	352.64299	6.36381	0.2432377	0.28387520	2.2928963	20	8 29.9	18.6
259678 2003 XF_{8}	16.5	X	292.69258	108.54382	291.84674	6.26352	0.2596067	0.28448512	2.2896179	20	8 22.2	18.3
259679 2003 XO_{10}	15.5	X	340.42624	163.89916	270.02765	21.25051	0.0409215	0.23154084	2.6265418	20	—	—
259680 2003 XC_{11}	16.7	X	312.73334	293.53607	97.08069	6.77547	0.1167211	0.28244584	2.3006255	20	10 16.0	18.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
259681 2003 XG_{13}	17.2	X	129.36104	271.41566	304.55861	2.88932	0.0896302	0.28389444	2.2927927	20	10 19.2	20.3
259682 2003 XV_{13}	17.0	X	307.87782	188.83245	180.36934	2.86257	0.1835020	0.28250601	2.3002988	20	8 19.2	18.6
259683 2003 XE_{15}	16.9	X	122.18807	193.88418	285.80416	2.95379	0.1525402	0.26200133	2.4188024	20	6 7.2	20.4
259684 2003 XU_{16}	17.5	X	158.47862	291.47123	244.41920	1.44072	0.1489821	0.28022850	2.3127455	20	9 27.2	21.1
259685 2003 XS_{18}	16.4	X	290.67601	96.45298	302.82665	6.58272	0.2531287	0.28392018	2.2926541	20	8 18.1	18.5
259686 2003 XY_{18}	17.3	X	156.13455	23.42714	80.67260	11.07198	0.1014486	0.26947814	2.3738523	20	6 19.8	20.8
259687 2003 XA_{20}	16.2	X	242.55025	210.20828	353.42175	5.05075	0.2543050	0.23300596	2.6155199	20	—	—
259688 2003 XN_{21}	17.3	X	276.55844	8.27206	46.27307	4.21553	0.1570101	0.28035283	2.3120617	20	9 6.2	19.7
259689 2003 XW_{36}	16.8	X	339.59219	317.38890	40.02232	7.94810	0.1386501	0.28348271	2.2950122	20	10 16.8	18.7
259690 2003 XS_{38}	16.9	X	293.77511	21.67195	45.09805	4.19391	0.2033524	0.28656720	2.2785141	20	10 23.5	18.4
259691 2003 YV_{2}	16.4	X	105.05158	104.75218	48.67925	21.60661	0.3263870	0.25871102	2.4392675	20	7 25.4	21.0
259692 2003 YG_{9}	16.7	X	106.75998	71.88040	93.88752	11.03510	0.1858300	0.26472438	2.4021867	20	7 27.3	20.3
259693 2003 YG_{11}	16.7	X	326.32556	75.96686	318.28852	6.58787	0.2544319	0.28828940	2.2694308	20	11 25.7	18.0
259694 2003 YD_{17}	15.6	X	219.60952	274.58692	296.66026	16.98749	0.1506170	0.23077627	2.6323398	20	—	—
259695 2003 YL_{17}	17.4	X	282.38603	44.12517	19.14281	1.93126	0.1858337	0.28189680	2.3036118	20	9 23.7	19.4
259696 2003 YB_{20}	17.0	X	132.64300	61.53876	82.86845	6.54626	0.1666264	0.26635130	2.3923947	20	7 23.5	20.7
259697 2003 YC_{21}	17.4	X	225.10135	7.20629	50.08211	1.93317	0.1777094	0.27127114	2.3633805	20	6 27.2	21.0
259698 2003 YJ_{23}	17.5	X	259.47275	338.74592	135.69274	2.56310	0.3098577	0.28603469	2.2813412	20	10 9.9	19.8
259699 2003 YY_{28}	16.7	X	241.83476	344.35074	89.98351	7.40394	0.0761653	0.27919559	2.3184461	20	8 27.8	19.7
259700 2003 YD_{31}	17.1	X	230.11163	12.54659	83.43173	1.80834	0.1603401	0.27926089	2.3180847	20	8 28.1	20.3
259701 2003 YA_{33}	17.2	X	163.22025	334.54863	132.62385	5.46913	0.1854812	0.27048822	2.3679388	20	7 3.4	21.0
259702 2003 YL_{34}	17.6	X	319.52217	59.81463	324.16946	2.05558	0.1873110	0.28588886	2.2821169	20	10 14.1	19.1
259703 2003 YP_{34}	17.0	X	190.59095	198.52773	284.60298	4.67109	0.1758836	0.27588581	2.3369521	20	8 18.0	20.8
259704 2003 YX_{35}	16.3	X	336.39882	259.75617	93.37146	5.94863	0.1792333	0.28507581	2.2864540	20	10 8.5	18.0
259705 2003 YO_{40}	16.5	X	143.09264	67.79005	107.83159	8.75882	0.1629079	0.21213503	2.7843754	20	9 9.7	21.1
259706 2003 YP_{42}	17.6	X	83.41011	340.41679	125.26035	2.18258	0.1510734	0.25374105	2.4710160	20	4 1.4	20.4
259707 2003 YN_{43}	16.8	X	95.18823	346.85029	110.27389	3.56916	0.1621764	0.25432236	2.4672492	20	4 8.8	19.9
259708 2003 YV_{44}	17.0	X	234.55842	179.63746	281.60049	6.84913	0.1838565	0.27845694	2.3225444	20	9 1.9	20.3
259709 2003 YP_{47}	16.4	X	309.20277	118.13843	266.92399	6.40324	0.1266709	0.28382715	2.2931551	20	9 20.9	18.6
259710 2003 YH_{50}	17.3	X	81.51044	135.47615	353.17719	2.11060	0.1342767	0.25923461	2.4359819	20	4 25.8	20.2
259711 2003 YL_{54}	17.0	X	286.22210	310.08097	70.03179	6.80102	0.1251969	0.28004507	2.3137553	20	8 6.4	19.5
259712 2003 YW_{55}	16.5	X	314.07040	281.21452	94.33194	6.18869	0.1796012	0.28374614	2.2935915	20	9 20.7	18.2
259713 2003 YH_{60}	16.7	X	148.82188	34.24524	82.65318	7.28564	0.0989739	0.26969542	2.3725771	20	6 29.2	20.1
259714 2003 YB_{62}	16.8	X	295.49109	314.99734	94.63748	5.43106	0.1861867	0.28311538	2.2969969	20	10 3.0	18.6
259715 2003 YF_{62}	17.0	X	286.26759	309.07987	97.89371	3.89315	0.2462154	0.28179964	2.3041412	20	8 26.4	19.1
259716 2003 YN_{64}	17.0	X	208.08660	350.73135	113.87601	4.77218	0.1379585	0.27513007	2.3412296	20	8 16.8	20.4
259717 2003 YS_{72}	17.5	X	272.35236	57.69418	15.12674	1.81158	0.1760709	0.28357418	2.2945186	20	9 21.9	19.6
259718 2003 YT_{73}	17.1	X	316.34170	73.98666	282.77157	5.38730	0.2000834	0.28296028	2.2978362	20	8 14.6	18.7
259719 2003 YL_{75}	16.5	X	244.58385	180.82934	278.61857	9.42152	0.1442908	0.28190306	2.3035777	20	9 16.7	19.7
259720 2003 YV_{79}	16.9	X	316.46402	324.81672	67.69515	4.24319	0.2171768	0.28447568	2.2896686	20	10 23.3	18.1
259721 2003 YC_{86}	17.0	X	154.42685	283.80130	136.37077	4.14624	0.1880070	0.26230801	2.4169167	20	4 27.4	20.8
259722 2003 YE_{87}	16.4	X	176.64769	28.75351	113.16660	9.86988	0.2200666	0.27452369	2.3446760	20	9 1.2	20.3
259723 2003 YG_{87}	16.9	X	201.31795	328.38507	93.56363	5.30617	0.1861923	0.26831177	2.3807268	20	6 9.6	20.8
259724 2003 YQ_{88}	16.9	X	320.50804	68.44066	76.25963	5.27510	0.1492494	0.23872787	2.5735580	20	—	—
259725 2003 YB_{90}	17.2	X	201.97141	10.46965	71.68070	3.38529	0.1747497	0.27005364	2.3704785	20	7 7.4	20.9
259726 2003 YV_{93}	16.9	X	318.10812	138.99303	272.48269	2.62748	0.1578955	0.28708416	2.2757780	20	11 26.9	18.7
259727 2003 YC_{94}	16.6	X	218.33184	201.73886	302.09944	3.89876	0.1849799	0.28046689	2.3114348	20	10 12.3	19.8
259728 2003 YM_{96}	17.6	X	161.28007	290.73721	186.67866	1.65032	0.1604756	0.26986162	2.3716029	20	7 14.5	21.3
259729 2003 YN_{96}	17.5	X	189.36401	294.17447	132.62933	3.63442	0.1978162	0.26938145	2.3744202	20	6 5.0	21.4
259730 2003 YN_{97}	17.3	X	184.46614	289.35167	131.27873	1.58367	0.1571959	0.26792501	2.3830174	20	5 23.8	20.9
259731 2003 YK_{101}	15.8	X	311.83621	254.78305	253.57537	11.78904	0.1126200	0.23997943	2.5646024	20	—	—
259732 2003 YS_{102}	16.2	X	232.49115	238.28830	269.91791	9.88498	0.1673374	0.22427480	2.6829694	20	10 26.1	20.3
259733 2003 YR_{104}	16.3	X	14.37762	193.22208	277.17463	11.42437	0.1048033	0.24243393	2.5472630	20	—	—
259734 2003 YK_{112}	16.8	X	17.32162	94.44232	338.05140	4.46701	0.1248624	0.23986333	2.5654298	20	—	—
259735 2003 YU_{112}	17.0	X	252.81530	163.52062	320.19170	6.23357	0.0666000	0.28555735	2.2838828	20	11 19.9	19.6
259736 2003 YP_{114}	17.4	X	232.24550	247.77542	230.73121	1.56793	0.1732242	0.28039060	2.3118540	20	9 27.6	20.5
259737 2003 YB_{128}	16.7	X	248.83754	137.82525	322.46646	9.95935	0.0533481	0.28038534	2.3118830	20	10 9.1	19.6
259738 2003 YC_{135}	15.8	X	125.79117	114.07129	88.56631	21.84459	0.2395882	0.27141167	2.3625646	20	10 15.0	20.3
259739 2003 YT_{150}	16.3	X	181.40354	139.28194	15.38718	8.40516	0.2404243	0.27493611	2.3423306	20	9 19.4	20.1
259740 2003 YD_{152}	17.0	X	4.85925	342.67747	34.99966	9.46528	0.1438488	0.28886267	2.2664272	20	—	—
259741 2003 YF_{155}	15.7	X	270.54053	138.64751	66.84219	16.55273	0.1294612	0.23770770	2.5809161	20	—	—
259742 2003 YU_{159}	16.4	X	77.50747	131.23957	309.22217	7.62086	0.1588108	0.25168575	2.4844502	20	2 15.9	19.1
259743 2003 YK_{162}	16.7	X	174.77894	67.38767	53.85798	9.66466	0.1029642	0.27156898	2.3616522	20	8 7.2	20.3
259744 2003 YT_{166}	16.3	X	354.89272	123.73740	115.53819	6.71268	0.1602501	0.25934342	2.4353005	20	5 5.2	18.5
259745 2003 YB_{168}	17.3	X	201.67415	308.74402	72.26214	2.79126	0.1977108	0.26653437	2.3912991	20	4 18.8	21.3
259746 2003 YP_{168}	16.9	X	280.61778	117.40498	291.80994	4.86862	0.1478368	0.28139622	2.3063429	20	9 1.9	19.3
259747 2003 YT_{168}	16.3	X	262.87582	331.75874	79.86383	13.22409	0.1021720	0.27740266	2.3284253	20	8 23.3	19.3
259748 2003 YM_{170}	16.2	X	116.18572	53.06257	335.27361	4.73198	0.1927367	0.25100145	2.4889637	20	2 8.0	19.5
259749 2003 YR_{171}	17.7	X	197.44826	70.61080	348.01031	4.57473	0.1880028	0.26775081	2.3840509	20	5 31.5	21.5
259750 2003 YG_{180}	16.5	X	66.35063	7.15830	54.15609	7.69725	0.0505905	0.24545192	2.5263398	20	—	—
259751 2003 YK_{181}	16.6	X	23.29721	184.58761	17.02683	6.65396	0.0977031	0.25316083	2.4747902	20	4 29.4	19.3
259752 2003 YQ_{181}	17.9	X	253.13174	32.75685	358.82635	0.97592	0.1906095	0.27217411	2.3581504	20	6 21.8	21.0
259753 2004 AY	16.3	X	261.45152	87.54240	39.20710	23.06666	0.2800560	0.28613524	2.2808067	20	11 3.8	18.5
259754 2004 AZ_{3}	16.6	X	214.36021	24.34438	104.15126	2.98564	0.1575267	0.27787063	2.3258103	20	9 24.0	19.8
259755 2004 AZ_{4}	16.8	X	134.21036	16.04757	123.81180	6.60902	0.0593038	0.26584869	2.3954091	20	7 10.4	19.9
259756 2004 AU_{7}	16.8	X	170.90882	293.72346	184.71531	6.31817	0.0744645	0.26840058	2.3802016	20	7 24.9	20.2
259757 2004 AO_{8}	17.7	X	152.25340	110.97601	47.77492	2.71691	0.1294952	0.27181170	2.3602461	20	8 30.9	21.1
259758 2004 AY_{8}	15.8	X	279.05245	234.86120	259.88202	12.32954	0.1650831	0.22759367	2.6568229	20	12 18.3	18.5
259759 2004 AJ_{9}	17.1	X	157.58502	2.55050	147.64223	5.04158	0.1610916	0.27239506	2.3568751	20	8 23.7	20.7
259760 2004 AF_{23}	16.9	X	53.35010	245.82067	169.27243	2.77845	0.0601197	0.24023405	2.5627899	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
259761 2004 BE_{1}	17.6	X	131.29008	319.93728	268.96972	3.15285	0.1309054	0.27834704	2.3231557	20	11 7.4	21.0
259762 2004 BX_{2}	17.1	X	56.70844	141.92300	17.06181	1.36978	0.1195594	0.25540097	2.4602979	20	4 28.7	19.8
259763 2004 BR_{4}	17.2	X	270.72685	269.99352	128.40953	6.37217	0.2823343	0.27636201	2.3342668	20	7 9.7	20.3
259764 2004 BY_{4}	15.7	X	118.33028	140.07532	110.25200	14.47374	0.1654302	0.21827866	2.7318816	20	11 18.6	20.4
259765 2004 BK_{5}	17.7	X	175.46418	153.06507	336.77750	2.11312	0.1315443	0.27139870	2.3626399	20	8 15.2	21.2
259766 2004 BA_{6}	17.2	X	128.00628	273.88369	151.24390	1.48635	0.1666107	0.25547553	2.4598191	20	4 4.7	20.7
259767 2004 BR_{7}	16.7	X	209.58956	151.90017	287.14412	5.95787	0.1141738	0.26989512	2.3714066	20	7 15.1	20.0
259768 2004 BE_{12}	16.9	X	29.37263	119.30876	73.40261	2.14450	0.1263377	0.25517753	2.4617338	20	5 1.4	19.1
259769 2004 BV_{12}	17.3	X	268.03719	167.45888	308.05883	2.39659	0.1036460	0.28489378	2.2874279	20	11 28.5	19.5
259770 2004 BL_{20}	16.3	X	207.86118	22.07503	131.51884	9.59821	0.0888693	0.21969131	2.7201580	20	10 21.2	20.4
259771 2004 BK_{21}	16.5	X	49.02894	143.25176	95.68693	7.63392	0.0631011	0.26846677	2.3798104	20	8 6.3	19.3
259772 2004 BM_{21}	16.6	X	351.22107	63.58161	78.78504	4.41878	0.0409139	0.24345002	2.5401703	20	—	—
259773 2004 BN_{21}	17.1	X	115.35166	320.75010	174.38155	2.56039	0.1381812	0.26182618	2.4198810	20	6 19.1	20.6
259774 2004 BU_{22}	17.3	X	258.28384	273.63229	183.82889	2.50886	0.1631789	0.28161046	2.3051730	20	10 7.1	19.9
259775 2004 BN_{24}	16.8	X	145.61176	355.30777	119.77459	7.53261	0.0653190	0.26492157	2.4009945	20	6 21.0	20.0
259776 2004 BA_{27}	16.3	X	310.17086	303.35392	130.19276	23.09349	0.2742260	0.28783645	2.2718110	20	12 25.5	17.8
259777 2004 BX_{27}	17.3	X	147.06355	91.56789	116.61731	5.38463	0.1835123	0.27535163	2.3399735	20	10 29.5	21.1
259778 2004 BH_{31}	17.4	X	193.89654	149.86040	11.69854	3.29030	0.1739884	0.27663419	2.3327354	20	10 12.0	20.8
259779 2004 BB_{32}	17.1	X	293.69212	285.96007	99.31405	5.80154	0.2358734	0.27815439	2.3242282	20	8 7.0	19.2
259780 2004 BA_{35}	17.1	X	71.36050	196.77711	330.72515	3.31009	0.0772675	0.25904258	2.4371857	20	5 26.9	20.1
259781 2004 BY_{36}	17.0	X	52.34893	223.80116	9.79142	1.51256	0.0882011	0.26594388	2.3948375	20	8 6.4	19.8
259782 2004 BB_{40}	17.4	X	215.59296	237.52455	265.70592	1.96822	0.1678869	0.28016509	2.3130945	20	10 11.6	20.5
259783 2004 BV_{40}	17.5	X	275.03514	325.47934	128.64120	2.60995	0.1623662	0.28299715	2.2976366	20	11 1.8	19.5
259784 2004 BX_{41}	16.9	X	229.12354	132.82460	347.45460	6.82118	0.1146933	0.27757469	2.3274631	20	10 3.1	19.9
259785 2004 BR_{43}	16.6	X	337.44509	224.51500	340.43517	6.53147	0.1023752	0.24678535	2.5172314	20	2 17.5	19.5
259786 2004 BJ_{46}	16.0	X	308.04875	244.41147	256.42528	3.81385	0.1938048	0.23395758	2.6084227	20	—	—
259787 2004 BU_{49}	17.3	X	70.42969	12.92539	154.63255	1.49380	0.1241915	0.25882624	2.4385436	20	6 3.5	20.1
259788 2004 BX_{50}	16.7	X	106.90193	102.78558	131.26648	6.51276	0.0926149	0.27498874	2.3420318	20	10 21.3	20.0
259789 2004 BB_{52}	17.2	X	227.72948	213.86766	300.45990	2.26386	0.2116010	0.28213650	2.3003606	20	11 21.5	19.9
259790 2004 BH_{58}	16.9	X	240.69505	184.10842	259.14294	6.20463	0.0617085	0.27451989	2.3446976	20	9 2.7	19.9
259791 2004 BD_{59}	16.1	X	246.68619	32.95799	148.23334	13.70915	0.1062814	0.22943981	2.6425520	20	—	—
259792 2004 BK_{59}	17.2	X	204.97529	292.65592	141.98638	5.81180	0.1797263	0.26894746	2.3769740	20	6 29.7	21.1
259793 2004 BM_{63}	17.9	X	174.82267	134.74852	347.92775	2.49202	0.1257790	0.27049208	2.3679163	20	8 5.4	21.4
259794 2004 BU_{64}	17.2	X	132.74208	92.70301	86.94805	2.28677	0.1310231	0.27100210	2.3649445	20	9 7.2	20.8
259795 2004 BK_{65}	16.6	X	62.64372	135.40063	79.64238	3.58707	0.1255768	0.26464627	2.4026593	20	8 1.4	19.4
259796 2004 BH_{68}	15.6	X	260.47707	237.18292	298.18451	13.90364	0.2107486	0.22897453	2.6461305	20	—	—
259797 2004 BX_{69}	17.0	X	208.01643	184.08545	279.07972	4.05849	0.1837409	0.27267221	2.3552777	20	8 8.5	20.7
259798 2004 BT_{77}	17.9	X	177.92098	95.63774	351.09465	0.87231	0.1518171	0.26569018	2.3963618	20	6 20.4	21.4
259799 2004 BH_{78}	17.0	X	228.23758	29.53135	8.65367	2.27171	0.1732368	0.26744550	2.3858649	20	6 4.8	20.6
259800 2004 BV_{79}	17.5	X	306.16265	92.39646	313.85472	2.73241	0.1584259	0.28235306	2.3011295	20	10 18.9	19.2
259801 2004 BR_{81}	14.2	X	340.53944	84.55024	100.20763	12.08480	0.1090231	0.12578033	3.9451261	20	2 16.5	19.4
259802 2004 BJ_{86}	18.7	X	330.33191	65.36140	124.10884	31.43087	0.3295563	0.42397330	1.7548650	20	—	—
259803 2004 BH_{87}	16.6	X	252.18981	203.13583	253.20525	6.58510	0.0691563	0.27853895	2.3220884	20	10 8.0	19.3
259804 2004 BU_{95}	16.5	X	266.14072	13.08641	99.77569	24.40308	0.2116010	0.28213650	2.3023068	20	11 15.7	19.3
259805 2004 BW_{95}	16.3	X	221.38446	106.04829	8.86255	22.83458	0.2360612	0.27585847	2.3371065	20	9 10.9	20.0
259806 2004 BL_{99}	16.8	X	79.56568	138.41873	357.25057	10.44027	0.1028082	0.25162624	2.4848419	20	4 24.8	20.0
259807 2004 BT_{99}	16.5	X	76.58385	348.89576	112.10431	5.16846	0.0759651	0.24542245	2.5265420	20	3 6.0	19.5
259808 2004 BZ_{99}	17.5	X	178.86203	356.31384	112.37811	5.71793	0.0654754	0.26348162	2.4097343	20	7 22.7	20.7
259809 2004 BZ_{100}	17.8	X	150.98456	333.66602	131.52361	1.95388	0.1409410	0.26347999	2.4097443	20	6 17.6	21.5
259810 2004 BQ_{105}	16.9	X	84.65246	193.51025	5.98196	3.46638	0.1790281	0.26493171	2.4009333	20	8 16.7	20.2
259811 2004 BO_{106}	16.7	X	233.67978	154.13548	280.37476	5.55734	0.0747601	0.27240368	2.3568253	20	8 11.1	19.7
259812 2004 BC_{108}	16.4	X	38.48791	1.32219	109.29973	9.63000	0.1961414	0.24507559	2.5289253	20	1 21.7	18.5
259813 2004 BK_{109}	15.9	X	332.25367	45.89437	105.41311	12.69469	0.1194879	0.23788367	2.5796431	20	—	—
259814 2004 BT_{109}	17.2	X	115.20439	23.79360	98.43254	2.50390	0.1385166	0.25958723	2.4337754	20	6 1.5	20.5
259815 2004 BN_{111}	15.3	X	330.91742	313.85135	140.17420	32.78070	0.2185971	0.22943604	2.6425809	20	—	—
259816 2004 BS_{114}	16.8	X	207.21171	182.59050	303.56830	9.16319	0.1507609	0.27351852	2.3504168	20	9 7.4	20.4
259817 2004 BF_{117}	15.9	X	272.01972	232.42244	354.41374	12.84964	0.1422763	0.23943319	2.5685014	20	—	—
259818 2004 BT_{117}	15.5	X	222.41888	235.32084	261.76783	9.07533	0.1769732	0.21823238	2.7322677	20	9 27.8	19.9
259819 2004 BS_{120}	16.4	X	326.35290	156.98577	8.37524	13.38483	0.1042887	0.23959601	2.5673377	20	—	—
259820 2004 BJ_{140}	16.6	X	245.84139	311.62274	298.91858	3.16214	0.1958747	0.23967590	2.5667671	20	—	—
259821 2004 BV_{143}	17.6	X	129.06441	126.13091	97.80821	2.91916	0.1543661	0.27616955	2.3353511	20	10 31.8	21.1
259822 2004 CN_{2}	16.2	X	325.52486	164.38417	319.28772	6.69954	0.1475297	0.23371420	2.6102332	20	—	—
259823 2004 CV_{3}	16.7	X	173.00448	158.73856	313.00809	6.44401	0.0653828	0.26671442	2.3902228	20	7 20.4	19.8
259824 2004 CK_{4}	16.6	X	207.72738	18.63785	101.78927	6.16660	0.0695803	0.27425624	2.3462000	20	9 16.6	19.8
259825 2004 CL_{4}	16.8	X	263.51573	90.10694	342.43434	6.41052	0.1553226	0.27767495	2.3269028	20	9 8.8	19.1
259826 2004 CJ_{8}	16.9	X	86.52005	294.20059	123.77361	6.16152	0.1436058	0.24551048	2.5259380	20	1 30.6	19.9
259827 2004 CO_{9}	16.6	X	358.17483	54.66057	339.62209	5.70178	0.0350709	0.22570899	2.6715921	20	12 10.3	20.1
259828 2004 CO_{14}	17.4	X	93.99184	97.55955	61.22521	2.20362	0.1226930	0.26033501	2.4291127	20	6 23.6	20.5
259829 2004 CV_{16}	17.8	X	237.27136	331.91153	130.23516	2.69735	0.1518802	0.27623637	2.3349745	20	9 15.6	20.8
259830 2004 CO_{18}	16.6	X	65.78512	136.93496	108.07986	6.13153	0.2097139	0.26583633	2.3954834	20	10 1.4	20.0
259831 2004 CD_{25}	18.0	X	194.17796	212.06846	296.98724	0.68452	0.1285601	0.27488179	2.3426392	20	9 29.6	21.2
259832 2004 CE_{25}	16.0	X	132.12453	275.65708	324.94766	8.17259	0.1144541	0.21708563	2.7418814	20	11 10.5	20.4
259833 2004 CZ_{26}	16.0	X	219.96053	320.11084	168.76623	4.85238	0.1113681	0.21560895	2.7543864	20	9 26.9	20.1
259834 2004 CX_{30}	17.5	X	206.24143	122.20237	294.97622	2.59539	0.1160466	0.26598801	2.3945726	20	6 11.4	20.8
259835 2004 CL_{31}	17.4	X	31.97794	68.22356	155.27413	2.57445	0.1352903	0.25999214	2.4312479	20	6 23.9	19.8
259836 2004 CA_{33}	16.8	X	305.56447	314.45654	334.24568	4.52965	0.1395152	0.25766019	2.4458951	20	4 15.2	19.7
259837 2004 CX_{39}	16.2	X	352.70944	185.16320	291.23695	5.96096	0.1564842	0.23612147	2.5924620	20	—	—
259838 2004 CC_{42}	17.3	X	235.16161	59.01887	105.91714	3.63851	0.1298480	0.28442520	2.2899394	20	12 13.3	19.9
259839 2004 CF_{42}	17.3	X	153.02376	105.33335	90.56736	4.14083	0.1316693	0.27442375	2.3452452	20	10 19.9	20.8
259840 2004 CY_{43}	17.6	X	114.80191	110.82891	46.07104	1.75461	0.1179489	0.26245576	2.4160095	20	7 16.4	21.0

Planet		H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
		m		°	°	°	°		°				
259841	2004 CS_{46}	16.2	X	141.59094	159.64695	113.99934	6.91501	0.0365251	0.22650633	2.6653187	20	—	—
259842	2004 CC_{48}	16.2	X	7.41562	314.14757	149.08869	8.11294	0.1456642	0.23664470	2.5886393	20	—	—
259843	2004 CW_{51}	17.3	X	14.80676	328.01019	323.71008	16.69123	0.0848982	0.38768851	1.8627194	20	9 13.8	18.9
259844	2004 CT_{52}	15.8	X	297.53906	130.81788	321.56827	21.17652	0.0581111	0.22219667	2.6996721	20	11 26.1	19.8
259845	2004 CN_{56}	17.4	X	172.38387	85.73789	25.47956	2.17904	0.1494106	0.26547842	2.3976359	20	7 17.9	21.1
259846	2004 CL_{59}	16.7	X	215.42361	327.63487	120.95652	11.87556	0.1785110	0.27136612	2.3628291	20	7 29.3	20.3
259847	2004 CC_{61}	16.8	X	83.62976	109.80341	22.81564	6.78756	0.1160221	0.25537626	2.4604566	20	5 1.2	19.7
259848	2004 CA_{70}	16.8	X	96.53589	158.63779	81.75535	7.17418	0.0642588	0.27124587	2.3635273	20	10 15.1	20.0
259849	2004 CZ_{70}	17.2	X	170.43014	77.31922	100.55723	3.35008	0.1374997	0.27570125	2.3379949	20	10 13.9	20.7
259850	2004 CR_{75}	16.8	X	289.45367	110.03456	298.35774	4.09254	0.1037575	0.27676448	2.3320032	20	9 22.5	19.2
259851	2004 CZ_{79}	16.1	X	220.93338	20.18198	130.76655	10.05126	0.0779057	0.21817559	2.7327418	20	11 3.1	20.1
259852	2004 CC_{83}	17.4	X	218.43862	149.60558	349.93325	3.78898	0.1206759	0.27781730	2.3261079	20	10 15.6	20.5
259853	2004 CO_{83}	17.8	X	168.81689	173.91505	312.07479	1.93437	0.1601739	0.26763627	2.3847310	20	8 2.4	21.4
259854	2004 CA_{86}	17.4	X	160.20326	321.52597	149.27365	5.57207	0.1074029	0.26346978	2.4098065	20	7 3.4	20.9
259855	2004 CF_{86}	17.2	X	188.17263	334.67860	131.22657	1.97994	0.1314738	0.26763709	2.3847262	20	7 26.9	20.8
259856	2004 CL_{86}	16.4	X	241.77894	171.58058	339.21287	3.94260	0.0314943	0.22210095	2.7004477	20	12 1.4	20.0
259857	2004 CP_{86}	16.3	X	142.35340	65.39966	158.72681	13.90973	0.1705057	0.21500905	2.7595073	20	11 7.2	21.1
259858	2004 CQ_{95}	17.1	X	158.89354	163.87889	358.19599	2.03744	0.1510070	0.26922914	2.3753157	20	9 9.4	20.6
259859	2004 CV_{96}	16.6	X	271.36078	326.82813	189.79605	10.63509	0.1352884	0.22777272	2.6554303	20	—	—
259860	2004 CZ_{96}	16.6	X	239.36365	288.92119	250.95905	7.66037	0.1637202	0.22693798	2.6619379	20	12 17.7	19.9
259861	2004 CM_{98}	15.7	X	190.45638	335.42461	324.51703	15.62575	0.1162335	0.23789584	2.5795551	20	1 3.3	19.8
259862	2004 CG_{103}	14.8	X	210.80824	18.03539	302.65656	11.56752	0.2233301	0.24320875	2.5418500	20	2 11.1	19.1
259863	2004 CQ_{103}	16.4	X	245.40481	325.47718	209.37195	4.31708	0.1234903	0.22532384	2.6746356	20	12 24.8	19.9
259864	2004 CJ_{104}	16.9	X	201.44690	232.08743	286.13431	5.98100	0.0538790	0.27725017	2.3292789	20	10 26.9	20.1
259865	2004 CR_{105}	15.9	X	59.43700	15.45346	63.41732	16.11309	0.0905230	0.24138789	2.5546166	20	1 10.8	19.1
259866	2004 CD_{108}	16.9	X	321.77758	266.82060	280.11221	2.76681	0.1685845	0.23944104	2.5684453	20	—	—
259867	2004 CU_{113}	17.0	X	147.62761	248.38239	210.61368	5.79551	0.1077107	0.26067257	2.4270152	20	6 4.2	20.5
259868	2004 CM_{114}	16.7	X	74.28661	145.83573	18.82513	22.17208	0.0446312	0.37633755	1.8999887	20	5 10.8	18.8
259869	2004 CC_{117}	15.0	X	38.33515	351.28315	124.26317	4.01241	0.1456089	0.12501051	3.9613058	20	2 19.9	20.0
259870	2004 CY_{122}	17.5	X	236.17681	116.00390	323.24600	1.70086	0.1658608	0.27284330	2.3542930	20	8 10.1	20.5
259871	2004 DP_{1}	17.5	X	237.71703	42.71842	22.88454	0.69911	0.3714626	0.27341846	2.3509902	20	7 2.6	21.4
259872	2004 DD_{5}	16.0	X	309.72450	21.90994	145.34052	14.34128	0.0997842	0.23518086	2.5993698	20	—	—
259873	2004 DD_{9}	17.0	X	256.64434	83.66206	59.51422	3.33687	0.0896873	0.28386075	2.2929741	20	12 21.7	19.3
259874	2004 DT_{13}	17.0	X	284.14540	181.04690	56.09257	2.19181	0.0774916	0.24293651	2.5437486	20	1 23.0	20.3
259875	2004 DT_{14}	15.9	X	261.67560	335.42128	255.57392	14.00657	0.1983737	0.23646445	2.5899545	20	—	—
259876	2004 DO_{15}	16.9	X	317.29550	287.88218	129.71373	3.38900	0.1342897	0.28232828	2.3012641	20	12 3.0	18.8
259877	2004 DR_{15}	16.8	X	245.08931	125.58538	322.06067	21.84899	0.2629008	0.27587829	2.3369946	20	8 18.1	20.2
259878	2004 DV_{15}	15.7	X	148.50195	72.39024	124.27716	8.88945	0.1106927	0.21107195	2.7937168	20	10 10.1	20.2
259879	2004 DW_{20}	17.0	X	185.31266	29.36094	115.12966	6.52129	0.1783240	0.27185632	2.3599878	20	9 13.6	20.7
259880	2004 DM_{21}	15.9	X	249.34553	232.51290	312.72193	10.75885	0.1394693	0.22647795	2.6655414	20	—	—
259881	2004 DJ_{23}	15.7	X	177.33428	75.84645	165.93540	11.64285	0.2247775	0.21933768	2.7230810	20	12 21.8	20.5
259882	2004 DN_{24}	16.7	X	251.69440	168.50233	326.70183	5.39800	0.1457594	0.28140421	2.3062992	20	11 21.3	19.3
259883	2004 DK_{26}	17.5	X	52.97733	169.49008	15.81283	2.81196	0.1359327	0.25589899	2.4571047	20	6 2.9	20.1
259884	2004 DA_{28}	16.6	X	344.89862	277.76789	140.24861	5.87833	0.1155008	0.22526264	2.6751200	20	12 30.6	19.7
259885	2004 DV_{29}	17.6	X	196.13395	329.39252	133.23676	4.23626	0.1633210	0.26926244	2.3751199	20	7 29.1	21.3
259886	2004 DX_{32}	16.9	X	205.21530	6.89646	111.48977	3.38927	0.1535456	0.27153478	2.3618505	20	8 30.7	20.2
259887	2004 DH_{34}	16.2	X	238.49994	21.61200	153.04796	14.33953	0.1879383	0.22383217	2.6865054	20	12 8.1	20.1
259888	2004 DG_{36}	16.1	X	206.87390	229.43113	297.53144	3.96291	0.0920264	0.21743190	2.7389696	20	10 30.3	20.1
259889	2004 DD_{40}	17.6	X	86.31747	220.38765	292.50157	1.23177	0.1684377	0.25657193	2.4528065	20	6 12.0	20.6
259890	2004 DZ_{41}	16.2	X	349.90555	192.21157	285.67576	3.20246	0.1358104	0.23449598	2.6044285	20	—	—
259891	2004 DJ_{47}	17.2	X	119.62316	37.41046	167.72492	1.64810	0.1291306	0.26937912	2.3744340	20	9 25.8	20.7
259892	2004 DX_{47}	16.1	X	282.39481	141.21111	336.44222	9.12824	0.1062277	0.22314285	2.6920351	20	12 5.0	19.5
259893	2004 DJ_{52}	17.3	X	191.70637	77.15557	57.46667	3.23695	0.1886359	0.27126286	2.3634286	20	9 5.3	21.0
259894	2004 DV_{52}	16.5	X	293.54979	128.52060	4.84396	2.99211	0.0542398	0.22805603	2.6532307	20	—	—
259895	2004 DT_{56}	16.8	X	251.31154	127.50701	298.65539	3.05409	0.1897710	0.27354269	2.3502784	20	8 6.8	19.9
259896	2004 DN_{58}	16.1	X	90.11340	326.18209	334.13540	12.35236	0.0802307	0.22171976	2.7035420	20	12 10.9	20.3
259897	2004 DR_{58}	14.6	X	335.58767	223.61224	338.82688	7.57247	0.1006796	0.12452416	3.9716134	20	2 28.4	19.8
259898	2004 DE_{66}	17.2	X	159.10894	122.05063	62.37108	2.09366	0.1277325	0.27108456	2.3644648	20	10 9.8	20.6
259899	2004 DC_{74}	17.2	X	53.16161	120.67713	327.02937	2.90942	0.0356617	0.24061598	2.5600772	20	1 9.3	20.4
259900	2004 DJ_{76}	17.8	X	113.01951	127.86684	18.35194	1.50820	0.1266519	0.25807013	2.4433043	20	6 30.2	21.1
259901	2004 EL	16.6	X	299.65806	334.46299	254.35370	3.94680	0.1807230	0.24078437	2.5588835	20	1 16.2	20.2
259902	2004 EH_{2}	16.1	X	227.49392	48.85877	145.53128	9.20245	0.1680334	0.22227877	2.6990073	20	12 20.1	20.0
259903	2004 ES_{3}	16.1	X	29.31745	344.25903	132.69556	12.70669	0.1362096	0.24079713	2.5587932	20	1 11.9	18.8
259904	2004 EL_{7}	17.7	X	184.65389	24.25925	151.43018	2.62923	0.1833476	0.27415650	2.3467691	20	10 21.2	21.2
259905	Vougeot	17.1	X	188.05938	346.05469	178.64602	2.13780	0.1521233	0.27314482	2.3525601	20	10 12.1	20.5
259906	2004 EG_{10}	17.2	X	93.49176	258.88147	273.85688	2.34806	0.1226714	0.25911547	2.4367286	20	7 12.2	20.3
259907	2004 EH_{12}	16.6	X	337.70932	300.01758	155.76090	5.98919	0.1104547	0.22919007	2.6444713	20	—	—
259908	2004 EW_{13}	17.2	X	127.40844	81.45573	95.87636	3.80114	0.1141145	0.26498447	2.4006146	20	8 28.4	20.8
259909	2004 ES_{16}	16.2	X	140.77637	200.42311	27.89401	11.39763	0.2024050	0.21221745	2.7836544	20	11 5.4	21.0
259910	2004 ET_{16}	17.1	X	181.74925	47.21218	90.18574	4.52608	0.2124288	0.26929845	2.3749081	20	8 29.7	21.0
259911	2004 EF_{17}	15.8	X	296.80808	322.90927	162.24941	22.17617	0.0347606	0.22311877	2.6922289	20	—	—
259912	2004 EV_{17}	17.7	X	19.32474	218.29118	19.53711	24.88271	0.0819319	0.37586102	1.9015942	20	6 14.9	19.9
259913	2004 EG_{19}	17.7	X	174.40892	346.17107	152.69726	3.29489	0.1250214	0.26851080	2.3795502	20	8 25.9	21.2
259914	2004 EW_{22}	16.6	X	285.82813	314.50055	188.71584	13.62480	0.1517380	0.22784880	2.6548392	20	—	—
259915	2004 EP_{23}	18.0	X	332.22100	252.82530	358.60217	22.00987	0.1354054	0.37076206	1.9189892	20	3 23.7	19.1
259916	2004 ES_{23}	18.1	X	176.63563	260.91413	169.55899	20.14276	0.1002849	0.37851738	1.8926872	20	5 31.4	21.0
259917	2004 EJ_{24}	16.7	X	100.99435	126.57950	81.57195	5.75235	0.1589055	0.26416106	2.4056006	20	9 14.9	20.3
259918	2004 EO_{24}	16.2	X	307.04860	130.36963	5.67024	28.74554	0.1185140	0.23091992	2.6312480	20	—	—
259919	2004 EG_{25}	16.5	X	50.96703	335.86998	100.56632	5.38696	0.1918599	0.24204829	2.5499678	20	—	—
259920	2004 EZ_{25}	17.3	X	149.88720	52.64776	101.70545	2.09274	0.1253192	0.26385092	2.4074853	20	8 21.2	20.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
259921 2004 EW_{29}	16.8	X	31.83435	271.45441	139.10315	1.80627	0.0659024	0.22871561	2.6481272	20	—	—
259922 2004 EV_{32}	16.8	X	189.21051	226.90757	260.54271	10.55635	0.1249857	0.26756774	2.3851382	20	8 20.9	20.5
259923 2004 EB_{33}	16.1	X	230.55191	299.10408	260.24534	11.64023	0.1286021	0.22298023	2.6933439	20	—	—
259924 2004 EE_{33}	16.2	X	143.67392	220.81704	299.12414	11.26886	0.1402238	0.26399361	2.4066177	20	8 18.6	20.1
259925 2004 EV_{34}	17.0	X	133.88467	105.26292	87.45596	3.09674	0.1075004	0.26712355	2.3877816	20	9 24.9	20.5
259926 2004 EK_{35}	16.9	X	71.74876	49.30091	129.64403	3.73830	0.1211554	0.25442584	2.4665802	20	6 21.2	19.8
259927 2004 EL_{36}	17.1	X	137.64751	294.89997	263.34023	1.42142	0.1462239	0.26922413	2.3753452	20	10 4.5	20.8
259928 2004 EM_{38}	16.5	X	287.79815	144.02694	25.68880	13.20381	0.1225998	0.22908867	2.6452515	20	—	—
259929 2004 EY_{38}	16.2	X	133.94937	97.05643	124.54183	6.16102	0.1592027	0.26926970	2.3750772	20	11 2.9	20.0
259930 2004 EE_{39}	16.4	X	342.25118	301.38343	165.74075	17.33476	0.1151413	0.23099905	2.6306471	20	—	—
259931 2004 EH_{41}	16.7	X	152.56437	9.69539	101.43233	12.85849	0.1573214	0.26140313	2.4224911	20	6 27.8	20.5
259932 2004 EN_{41}	16.6	X	122.24052	205.92227	351.14415	3.82999	0.1326445	0.26630297	2.3926842	20	9 17.4	20.2
259933 2004 ES_{41}	17.4	X	237.47140	143.19295	348.48403	2.29838	0.1495345	0.27770624	2.3267280	20	10 25.6	20.3
259934 2004 EQ_{44}	17.0	X	278.81384	194.46899	65.03007	2.53418	0.1443617	0.24157592	2.5532908	20	2 6.3	20.6
259935 2004 EB_{45}	15.2	X	65.27175	332.39020	156.48384	0.88261	0.0612190	0.12623035	3.9357442	20	4 2.8	20.5
259936 2004 ES_{48}	16.6	X	73.67447	119.81620	342.93212	6.97317	0.0798472	0.24436554	2.5338218	20	3 2.7	19.4
259937 2004 EW_{49}	16.5	X	172.12489	145.96248	152.70279	12.62481	0.1395761	0.23015137	2.6371025	20	—	—
259938 2004 EG_{50}	16.0	X	235.54117	29.42820	81.98504	5.52160	0.0226209	0.21191056	2.7863414	20	10 7.1	19.9
259939 2004 EP_{50}	17.3	X	51.30529	170.47579	43.16115	1.75514	0.1308840	0.25763145	2.4460770	20	7 12.5	19.9
259940 2004 EJ_{53}	16.0	X	64.20149	188.04643	29.20162	7.12276	0.1636553	0.19806574	2.9147176	20	8 8.8	20.1
259941 2004 EQ_{55}	15.7	X	354.42796	245.92977	197.03300	21.66131	0.0415129	0.22686214	2.6625311	20	—	—
259942 2004 ER_{55}	15.2	X	213.63284	285.55209	41.30267	9.33659	0.1772702	0.24403737	2.5360929	20	2 27.8	19.5
259943 2004 ET_{55}	15.8	X	220.74823	357.47504	221.71674	12.25871	0.0987347	0.22512488	2.6762112	20	—	—
259944 2004 EC_{60}	16.2	X	210.05747	259.88731	317.61564	6.61845	0.2026692	0.22066603	2.7121419	20	12 24.6	20.4
259945 2004 EC_{61}	16.8	X	33.26393	129.18977	323.63625	2.94939	0.0706412	0.23791113	2.5794446	20	—	—
259946 2004 ER_{62}	16.9	X	150.27259	264.46727	204.67003	5.56419	0.1017904	0.26008219	2.4306866	20	6 20.0	20.4
259947 2004 EG_{64}	16.6	X	57.64694	126.38663	314.19526	4.16898	0.2510647	0.24260986	2.5460314	20	1 26.6	18.5
259948 2004 EC_{67}	17.2	X	208.35136	100.66692	6.95311	2.55461	0.1487614	0.26990702	2.3713369	20	8 19.6	20.5
259949 2004 EO_{68}	16.9	X	68.12887	67.21855	131.71060	1.08606	0.1510953	0.25860200	2.4399530	20	7 19.7	20.0
259950 2004 EC_{70}	17.6	X	197.70803	342.71338	158.95097	2.15223	0.1527949	0.27256474	2.3558968	20	9 21.9	21.0
259951 2004 EK_{71}	17.0	X	6.12021	296.79778	177.04087	9.30023	0.1305543	0.23590573	2.5940423	20	—	—
259952 2004 EU_{73}	17.3	X	206.00917	28.78985	82.26691	6.43237	0.1545952	0.26996922	2.3709727	20	8 23.1	20.8
259953 2004 EB_{74}	16.6	X	107.08885	109.57437	152.99122	5.95916	0.0850656	0.27292370	2.3538306	20	11 25.2	20.0
259954 2004 EE_{74}	16.6	X	355.17302	36.91394	107.14397	12.84751	0.1256096	0.23706413	2.5855850	20	—	—
259955 2004 EH_{75}	16.8	X	304.70860	162.22892	36.35578	6.03426	0.1081869	0.23585639	2.5944041	20	—	—
259956 2004 EN_{75}	15.9	X	322.48589	84.22112	13.91697	21.83113	0.0448698	0.22281946	2.6946393	20	—	—
259957 2004 ES_{82}	16.7	X	224.08594	6.57152	192.56759	12.19555	0.1128770	0.22301567	2.6930585	20	12 28.3	20.6
259958 2004 ER_{84}	16.3	X	47.13692	176.29693	23.72666	7.37341	0.1665492	0.25498632	2.4629644	20	6 20.3	19.0
259959 2004 EQ_{91}	17.0	X	326.52359	69.61509	43.38689	0.82367	0.0789574	0.22883838	2.6471800	20	—	—
259960 2004 EW_{94}	16.2	X	199.23282	156.11258	80.16012	10.58394	0.1566210	0.22218567	2.6997612	20	—	—
259961 2004 EF_{95}	16.8	X	291.92257	238.95643	18.96793	3.75751	0.1035737	0.24410481	2.5356258	20	2 25.3	20.1
259962 2004 EB_{103}	17.0	X	221.82265	140.04671	163.36973	8.64554	0.1431436	0.23919058	2.5702380	20	2 2.3	21.1
259963 2004 FX	17.0	X	208.52943	203.81737	305.74722	4.04947	0.2121778	0.27666622	2.3325553	20	10 5.7	20.6
259964 2004 FG_{14}	16.0	X	184.66845	249.83684	284.78611	7.02557	0.0881040	0.21319515	2.7751375	20	10 13.5	20.3
259965 2004 FS_{15}	17.3	X	165.98996	217.58779	223.35971	20.32355	0.0888624	0.37747944	1.8961550	20	5 30.0	19.6
259966 2004 FV_{20}	16.6	X	268.60053	337.19207	179.39477	4.07257	0.1561954	0.22458935	2.6804638	20	12 30.2	19.6
259967 2004 FE_{24}	17.0	X	169.68103	268.65948	185.10401	11.48040	0.2106734	0.26125132	2.4234295	20	6 21.8	21.3
259968 2004 FO_{28}	16.4	X	67.40688	121.91923	8.47444	8.66114	0.0184272	0.24588629	2.5233637	20	3 23.5	19.4
259969 2004 FQ_{28}	16.1	X	241.97618	28.28377	161.53102	4.84454	0.1476734	0.22319155	2.6916436	20	—	—
259970 2004 FT_{28}	17.1	X	326.69034	3.11693	214.49450	20.20886	0.0483249	0.36430756	1.9415888	20	1 30.1	19.7
259971 2004 FB_{30}	17.3	X	348.71560	215.01529	45.47049	21.97502	0.0797634	0.37574328	1.9019915	20	5 21.2	18.5
259972 2004 FC_{30}	16.9	X	340.00145	91.00446	152.91145	24.87503	0.0579865	0.37042056	1.9201684	20	4 18.9	19.1
259973 2004 FO_{30}	15.9	X	293.51639	162.95473	60.57159	32.96666	0.2666936	0.23420953	2.6065517	20	—	—
259974 2004 FU_{31}	16.2	X	184.60843	88.26894	93.62095	22.41982	0.2643715	0.27299691	2.3534098	20	11 2.1	20.6
259975 2004 FK_{33}	16.1	X	354.69480	337.00064	184.08400	12.65807	0.0298406	0.24188540	2.5511125	20	1 20.9	19.7
259976 2004 FN_{33}	16.3	X	151.49398	274.94178	311.37465	5.97176	0.1315959	0.27542201	2.3395749	20	11 22.8	19.9
259977 2004 FH_{34}	15.6	X	168.10298	84.94809	198.75899	12.32706	0.2577434	0.22271477	2.6954836	20	—	—
259978 2004 FF_{35}	16.2	X	236.76823	273.11766	330.85849	9.58401	0.1191249	0.23150780	2.6267917	20	—	—
259979 2004 FA_{38}	16.8	X	13.89674	237.80128	26.60950	5.03649	0.0405851	0.26014003	2.4303263	20	7 15.4	19.7
259980 2004 FB_{41}	16.5	X	169.82042	191.80455	8.39432	7.24782	0.1284083	0.21566542	2.7539056	20	10 29.6	20.8
259981 2004 FM_{42}	17.6	X	63.16146	10.73967	146.77259	1.65141	0.1318670	0.25402180	2.4691950	20	5 10.2	20.4
259982 2004 FP_{47}	16.0	X	261.03052	254.47861	300.00033	6.80713	0.1454882	0.23204193	2.6227591	20	—	—
259983 2004 FO_{49}	17.0	X	357.50855	202.17768	331.36923	3.26476	0.1494076	0.24197966	2.5504500	20	2 1.7	19.4
259984 2004 FZ_{61}	17.5	X	181.53897	332.79352	152.86433	2.60745	0.1831956	0.26707753	2.3880559	20	8 13.1	21.2
259985 2004 FA_{64}	15.9	X	345.72980	73.95017	23.92970	22.22580	0.0669707	0.22603073	2.6690562	20	—	—
259986 2004 FO_{64}	17.0	X	109.73276	96.11332	89.77734	3.41029	0.1163346	0.26059170	2.4275173	20	8 19.6	20.4
259987 2004 FY_{65}	17.0	X	151.37823	100.80122	49.65422	1.99516	0.1234485	0.26358337	2.4091142	20	8 17.7	20.7
259988 2004 FY_{67}	15.9	X	258.03081	319.60094	172.24610	9.45212	0.1833250	0.21800153	2.7341963	20	11 8.4	19.5
259989 2004 FG_{68}	16.5	X	73.01319	156.41406	70.94441	4.81661	0.1565817	0.25924882	2.4358929	20	9 7.7	19.9
259990 2004 FX_{69}	16.6	X	156.22134	210.38169	184.96583	5.32494	0.1399047	0.24398687	2.5364429	20	3 24.7	20.3
259991 2004 FO_{71}	16.8	X	266.89912	195.28114	151.39257	3.60582	0.1921748	0.25534846	2.4606352	20	5 8.8	20.3
259992 2004 FL_{82}	16.8	X	277.73963	159.87967	106.08244	6.37655	0.2400455	0.24065512	2.5597997	20	2 3.0	20.7
259993 2004 FP_{82}	16.2	X	71.64997	197.83026	110.79956	7.44205	0.0536694	0.21712170	2.7415777	20	11 28.5	20.0
259994 2004 FA_{83}	15.9	X	0.94046	293.34390	68.92845	7.44290	0.0186213	0.21471728	2.7620066	20	11 1.4	19.5
259995 2004 FM_{95}	16.7	X	46.78507	355.33357	118.99923	3.54504	0.0719412	0.24234893	2.5478585	20	2 6.1	19.6
259996 2004 FT_{96}	15.9	X	263.91261	222.02197	34.06807	14.88730	0.1526942	0.23747451	2.5826053	20	1 20.2	20.2
259997 2004 FX_{108}	16.9	X	263.15709	212.86182	15.71395	1.83441	0.1231223	0.23157636	2.6262732	20	—	—
259998 2004 FM_{109}	16.7	X	159.85053	115.96915	14.66468	7.13054	0.1556275	0.26284154	2.4136449	20	8 2.1	20.5
259999 2004 FO_{109}	16.3	X	355.47933	85.26201	9.98034	22.12838	0.0277485	0.22731144	2.6590215	20	—	—
260000 2004 FB_{112}	16.7	X	157.79653	115.02488	10.60243	6.40227	0.0629583	0.26113535	2.4241469	20	7 22.0	20.1