Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
172001 2001 UN_{23}	15.3	X	209.90636	46.81025	310.72076	9.11288	0.2277264	0.17721693	3.1390573	21	3 21.9	20.9
172002 2001 UO_{28}	14.9	X	359.22068	189.68734	38.68498	10.95493	0.0319219	0.17852468	3.1237088	21	4 24.6	19.2
172003 2001 UB_{33}	14.9	X	248.51638	300.32342	61.82364	12.99540	0.1148036	0.18135604	3.0911117	21	5 12.3	19.6
172004 2001 UD_{38}	14.9	X	288.16766	269.28681	17.40074	10.75605	0.0519082	0.17742958	3.1365487	21	4 2.7	19.3
172005 2001 UH_{43}	15.7	X	133.81371	34.75856	53.50778	6.06912	0.1799423	0.17445490	3.1721029	21	5 7.9	20.6
172006 2001 UT_{51}	15.1	X	220.56316	320.46301	39.49811	10.59534	0.1114412	0.17691944	3.1425752	21	4 12.5	20.0
172007 2001 UG_{53}	14.4	X	242.75935	247.58376	71.98612	22.94545	0.2734547	0.17591225	3.1545591	21	3 17.6	20.3
172008 2001 UO_{53}	14.9	X	356.55260	203.73347	54.19190	11.57978	0.0432532	0.18117675	3.0931507	21	5 27.2	18.9
172009 2001 UM_{59}	15.0	X	273.78523	57.88695	258.35949	2.70640	0.1145185	0.18024154	3.1038409	21	4 11.5	19.6
172010 2001 US_{62}	15.7	X	212.72069	165.15935	216.57292	9.20787	0.0991421	0.18084290	3.0969563	21	4 29.3	20.4
172011 2001 UT_{100}	15.1	X	295.85758	69.11066	45.58335	2.86878	0.0106401	0.20676679	2.8323626	21	12 15.7	18.9
172012 2001 UK_{101}	15.4	X	258.03671	289.08869	36.60485	10.05490	0.0682946	0.17975098	3.1094856	21	4 13.4	20.0
172013 2001 UB_{102}	15.2	X	313.49593	234.83182	31.90966	10.84916	0.0438234	0.17780023	3.1321881	21	4 11.7	19.5
172014 2001 UX_{103}	16.2	X	193.67687	350.62400	95.12272	2.46856	0.2185992	0.18197919	3.0840511	21	6 25.2	21.3
172015 2001 UJ_{105}	15.0	X	326.87280	225.84167	49.81363	11.32193	0.0784216	0.18041902	3.1018051	21	5 5.9	19.2
172016 2001 UY_{112}	15.3	X	203.70671	96.65156	16.22082	5.41469	0.2106049	0.18299264	3.0726538	21	8 7.1	20.5
172017 2001 UA_{125}	14.8	X	140.22721	7.42261	88.67090	16.70462	0.2486977	0.17528746	3.1620506	21	5 29.9	20.2
172018 2001 UL_{137}	15.6	X	254.70451	120.80076	199.16326	2.37600	0.0721581	0.17792100	3.1307706	21	3 31.7	20.2
172019 2001 UP_{163}	15.5	X	119.34249	63.42591	33.73068	9.75812	0.0694389	0.17519361	3.1631798	21	4 21.2	20.0
172020 2001 UN_{187}	15.2	X	128.80077	101.13930	28.27458	10.09515	0.0699395	0.18288064	3.0739082	21	6 9.7	19.8
172021 2001 UQ_{204}	14.8	X	284.35560	268.62783	28.88173	16.19244	0.0062122	0.17572127	3.1568442	21	4 17.7	19.1
172022 2001 UZ_{209}	15.0	X	198.69086	290.39856	140.83582	17.91142	0.2519962	0.18062791	3.0994131	21	6 13.7	20.7
172023 2001 UV_{211}	15.4	X	294.04323	108.73143	219.62110	7.40658	0.0324104	0.18246507	3.0785737	21	6 4.2	19.7
172024 2001 UF_{214}	15.5	X	274.39994	229.27304	82.87870	2.48922	0.1203043	0.17927704	3.1149633	21	4 8.8	20.0
172025 2001 UL_{214}	15.0	X	5.15913	32.39123	185.08452	3.88477	0.0892375	0.17624535	3.1505831	21	4 17.7	18.8
172026 2001 VF_{1}	15.3	X	255.09838	284.17179	92.30963	18.77966	0.2996405	0.18607772	3.0385972	21	5 21.7	20.5
172027 2001 VA_{10}	15.1	X	303.48824	54.86799	285.18746	9.25388	0.2910692	0.18912105	3.0059111	21	5 21.7	19.2
172028 2001 VL_{23}	15.6	X	287.08863	61.58723	338.40754	1.04400	0.1811282	0.18837087	3.0138865	21	8 5.1	19.4
172029 2001 VP_{39}	14.9	X	218.22354	313.16378	61.35510	19.67860	0.1063305	0.17533541	3.1614741	21	4 30.9	19.9
172030 2001 VR_{91}	14.9	X	183.61398	344.00089	91.03090	18.36906	0.0867352	0.17854218	3.1235047	21	6 5.9	19.7
172031 2001 VL_{112}	15.3	X	258.01970	347.48830	10.39376	4.70977	0.2361770	0.18122960	3.0925492	21	5 2.3	20.3
172032 2001 VW_{132}	15.1	X	260.97961	76.22551	281.85571	8.03989	0.0734385	0.17908175	3.1172275	21	5 24.3	19.7
172033 2001 WQ	15.4	X	224.95777	267.68955	44.28254	1.30918	0.1139648	0.16891186	3.2411263	21	2 18.8	20.4
172034 2001 WR_{1}	17.8	X	203.41283	48.55090	6.51412	25.02987	0.2025281	0.68283642	1.2771981	21	4 17.9	18.5
172035 2001 WG_{16}	15.5	X	301.06414	97.95350	260.35895	3.37945	0.1097720	0.18657241	3.0332237	21	7 11.2	19.5
172036 2001 WO_{28}	14.7	X	210.14106	292.75945	77.63498	10.96431	0.2432105	0.17601292	3.1533561	21	4 14.5	20.3
172037 2001 WZ_{32}	15.4	X	226.91408	310.11526	83.90237	10.23936	0.1615067	0.18035157	3.1025784	21	5 25.8	20.5
172038 2001 WE_{51}	16.0	X	259.41682	54.68810	352.67941	1.98438	0.0872759	0.18725576	3.0258398	21	7 23.9	20.4
172039 2001 WZ_{58}	15.1	X	88.17696	117.40558	32.59770	8.34756	0.2029346	0.17454170	3.1710512	21	6 6.1	19.7
172040 2001 WQ_{71}	15.6	X	87.26920	68.35949	65.57631	5.87540	0.1545819	0.17183443	3.2042711	21	5 10.8	20.0
172041 2001 WJ_{96}	16.1	X	12.07558	229.52390	59.50485	2.65374	0.0647341	0.18518866	3.0483146	21	8 1.6	20.0
172042 2001 WT_{101}	15.6	X	96.87681	282.64354	211.94483	6.35248	0.0838637	0.17524324	3.1625825	21	5 13.1	20.1
172043 2001 XJ_{9}	14.7	X	213.11782	307.66901	46.47609	14.78552	0.3008235	0.17492571	3.1664086	21	3 29.3	20.6
172044 2001 XZ_{10}	14.9	X	200.58198	288.01194	78.52974	10.46827	0.0901885	0.17432578	3.1736690	21	4 4.8	19.9
172045 2001 XR_{22}	14.9	X	148.11541	176.26520	301.62310	12.30926	0.1368693	0.17529693	3.1619368	21	6 23.9	20.0
172046 2001 XA_{51}	14.3	X	241.22130	61.77367	272.89780	15.43168	0.2343170	0.17811271	3.1285236	21	3 15.4	20.0
172047 2001 XY_{71}	14.6	X	110.26046	102.22067	68.79111	26.35350	0.2494022	0.17694183	3.1423101	21	8 5.8	20.1
172048 2001 XL_{75}	14.9	X	209.67722	320.59117	81.99263	16.53653	0.0675989	0.17704146	3.1411311	21	5 25.4	19.7
172049 2001 XB_{92}	15.6	X	339.79162	15.02713	325.19110	1.93791	0.1364489	0.18865491	3.0108605	21	8 17.3	18.9
172050 2001 XE_{110}	15.5	X	217.90626	259.80990	73.74739	16.75056	0.2087113	0.17328999	3.1863030	21	3 14.1	21.2
172051 2001 XA_{125}	16.1	X	244.97182	341.74104	130.67599	2.71882	0.1528870	0.19034768	2.9929835	21	9 19.3	20.5
172052 2001 XX_{125}	15.1	X	148.05238	47.21200	84.61128	11.03142	0.1295705	0.17869296	3.1217474	21	7 9.9	20.0
172053 2001 XH_{131}	15.3	X	133.10792	72.81512	83.81220	9.06694	0.0873995	0.17971104	3.1099462	21	7 23.1	20.0
172054 2001 XJ_{132}	15.1	X	246.78567	277.15293	77.94362	9.56022	0.1326654	0.17716285	3.1396960	21	5 1.9	20.0
172055 2001 XG_{137}	15.0	X	72.21257	87.80323	83.47645	16.08685	0.0635308	0.17323332	3.1869978	21	5 26.5	19.4
172056 2001 XZ_{153}	14.9	X	240.03922	250.58156	92.15125	13.90461	0.1207224	0.17260219	3.1947620	21	4 15.7	20.1
172057 2001 XY_{196}	14.7	X	180.62877	334.51129	119.17327	13.72728	0.1806949	0.17422503	3.1748924	21	6 25.0	20.0
172058 2001 XN_{201}	15.4	X	154.84001	320.33919	126.11593	1.94310	0.0807000	0.16880610	3.2424799	21	5 19.6	20.2
172059 2001 XL_{203}	14.9	X	282.57510	231.17876	111.64703	8.03490	0.1907867	0.18266759	3.0762979	21	5 17.8	19.4
172060 2001 XR_{208}	14.5	X	273.21698	317.02821	247.70649	16.64437	0.0824392	0.15478881	3.4353924	21	—	—
172061 2001 XH_{223}	15.3	X	142.64824	217.87160	268.14281	8.59284	0.0478941	0.17843699	3.1247321	21	6 20.9	19.8
172062 2001 XV_{227}	15.5	X	213.83504	119.66958	280.14180	9.09219	0.0816276	0.17725552	3.1386017	21	5 22.5	20.4
172063 2001 XP_{237}	15.8	X	168.35703	32.93464	69.14168	4.06807	0.0679892	0.17850993	3.1238809	21	6 21.1	20.5
172064 2001 XA_{245}	15.0	X	116.99688	20.30134	81.55058	16.56453	0.1033480	0.17306847	3.1890213	21	5 4.3	19.9
172065 2001 XL_{245}	14.6	X	150.42104	10.00443	110.20364	11.80188	0.1750572	0.17810565	3.1286063	21	6 30.2	19.7
172066 2001 YB_{39}	15.6	X	141.68089	158.22447	275.47143	4.59105	0.0984018	0.17024727	3.2241553	21	4 19.0	20.5
172067 2001 YH_{94}	15.2	X	307.81854	73.95197	273.51165	10.32404	0.0848090	0.18605240	3.0388728	21	7 9.8	19.2
172068 2002 AE_{13}	16.7	X	165.70879	315.78335	303.68395	4.99414	0.1273255	0.29268724	2.2466402	21	—	—
172069 2002 AA_{38}	14.8	X	81.45581	78.18940	97.98024	23.44634	0.0992674	0.17354514	3.1831791	21	6 18.5	19.2
172070 2002 AR_{70}	15.1	X	79.45671	89.43392	77.69546	5.86531	0.0985388	0.17166878	3.2063321	21	6 2.9	19.5
172071 2002 AP_{74}	14.8	X	78.30584	300.40878	301.75590	10.55024	0.0891046	0.18088003	3.0965325	21	8 31.3	19.3
172072 2002 AF_{81}	15.2	X	219.19259	314.97676	138.42560	8.63947	0.1059364	0.18187650	3.0852118	21	8 2.1	20.0
172073 2002 AF_{85}	14.8	X	346.59011	203.97549	128.19983	19.38158	0.0896369	0.18134526	3.0912342	21	8 20.5	18.7
172074 2002 AQ_{93}	15.7	X	196.69264	76.30694	340.93786	0.52464	0.1665898	0.17389809	3.1788705	21	5 25.4	21.0
172075 2002 AC_{95}	14.7	X	41.77060	328.46616	101.61464	11.02761	0.0382790	0.15185797	3.4794531	21	—	—
172076 2002 AS_{199}	16.4	X	215.31651	250.27208	76.65280	2.01008	0.1846779	0.31480664	2.1401299	21	2 8.8	19.6
172077 2002 AF_{202}	16.8	X	201.46947	348.78068	239.93917	3.87416	0.1128496	0.29394218	2.2402412	21	—	—
172078 2002 BL_{16}	16.8	X	307.27549	252.24152	291.94589	5.20169	0.0964230	0.30179098	2.2012289	21	—	—
172079 2002 BX_{30}	14.8	X	73.73075	21.81914	32.31795	15.61773	0.1836977	0.15676115	3.4065159	21	1 24.8	19.4
172080 2002 CA_{18}	16.7	X	22.41963	54.28002	334.22359	6.75077	0.1081383	0.29543318	2.2326974	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
172081 2002 CA_{35}	16.4	X	52.19561	310.59579	60.49161	7.91913	0.2010247	0.29660034	2.2268362	21	—	—
172082 2002 CX_{71}	17.1	X	131.47122	309.96630	77.17794	2.44778	0.1418109	0.30984626	2.1629105	21	1 25.7	19.6
172083 2002 CZ_{72}	17.2	X	126.34186	296.01283	97.93299	2.60036	0.0583121	0.30869042	2.1683062	21	1 14.1	19.6
172084 2002 CR_{88}	15.4	X	42.38337	245.48916	342.39570	0.57562	0.0889841	0.16910926	3.2386036	21	6 28.2	19.5
172085 2002 CV_{97}	16.1	X	131.59994	309.26339	353.55034	6.93395	0.2157531	0.29120129	2.2542765	21	—	—
172086 2002 CL_{99}	16.1	X	128.00114	221.36871	43.97316	2.71774	0.2247362	0.28415012	2.2914171	21	12 13.3	19.8
172087 2002 CS_{170}	16.4	X	99.29569	188.29838	53.01631	3.47236	0.1268505	0.27796547	2.3252812	21	10 13.2	19.5
172088 2002 CB_{211}	17.3	X	50.67235	92.30988	6.48343	2.80014	0.0857819	0.30573278	2.1822678	21	—	—
172089 2002 CK_{223}	17.2	X	25.35374	194.49469	282.55707	3.19087	0.0477659	0.30429084	2.1891564	21	—	—
172090 Davidmccomas	15.6	X	56.31398	68.30942	148.32072	1.79653	0.1083109	0.17073449	3.2180185	21	7 6.3	19.7
172091 2002 CL_{311}	16.9	X	208.91216	3.67248	251.54453	3.73715	0.1129441	0.29688762	2.2253995	21	—	—
172092 2002 EH_{20}	16.3	X	91.15551	151.01632	21.22367	2.86417	0.1248166	0.26695400	2.3887925	21	6 27.4	19.2
172093 2002 EM_{28}	16.9	X	208.89715	258.77098	359.63559	2.23290	0.1174444	0.29581400	2.2307808	21	—	—
172094 2002 EK_{69}	16.8	X	208.16128	229.53621	348.35242	4.67409	0.0805318	0.28958528	2.2626553	21	—	—
172095 2002 EP_{79}	16.8	X	276.33004	263.37731	294.89783	4.54000	0.0771035	0.29609192	2.2293847	21	—	—
172096 2002 EP_{90}	16.0	X	27.46698	297.09987	12.45154	5.66859	0.2373789	0.27521231	2.3407632	21	10 27.7	18.4
172097 2002 EX_{107}	17.3	X	103.07084	23.46367	19.09691	1.98614	0.1726202	0.30610149	2.1805151	21	1 9.3	19.0
172098 2002 EE_{115}	16.8	X	278.59748	131.84364	115.50305	5.82152	0.1981764	0.30103330	2.2049210	21	—	—
172099 2002 ET_{127}	17.7	X	221.49518	71.59012	146.56069	1.63358	0.0648340	0.29380611	2.2409328	21	—	—
172100 2002 FO_{8}	16.7	X	304.05428	296.62489	264.47406	3.08591	0.1341070	0.30112544	2.2044711	21	—	—
172101 2002 FR_{14}	16.6	X	55.07681	170.94397	104.28043	1.60772	0.1990966	0.27232248	2.3572938	21	10 14.9	19.4
172102 2002 FK_{15}	16.6	X	184.39987	158.52181	93.25345	7.85010	0.0931001	0.29083713	2.2561578	21	—	—
172103 2002 FT_{34}	16.3	X	56.47882	335.90631	195.32895	7.09024	0.1108173	0.26058650	2.4275496	21	5 1.0	18.8
172104 2002 GA_{12}	17.0	X	283.88847	78.64973	106.98017	2.39703	0.0998018	0.29465781	2.2366125	21	—	—
172105 2002 GB_{18}	16.7	X	139.67902	164.04325	65.60804	2.56097	0.2363771	0.27762399	2.3271876	21	11 9.2	20.7
172106 2002 GH_{24}	16.6	X	95.32123	94.17259	193.48604	1.75028	0.1369476	0.28204504	2.3028045	21	12 8.4	19.9
172107 2002 GW_{41}	16.5	X	33.75585	79.57248	206.84075	6.23600	0.1196042	0.27214449	2.3583216	21	9 12.4	19.2
172108 2002 GH_{60}	15.9	X	174.23093	56.09522	211.26101	13.30243	0.0797294	0.23625566	2.5914803	21	—	—
172109 2002 GP_{72}	16.3	X	23.57709	168.60041	116.91819	3.21205	0.1637566	0.26958714	2.3732123	21	9 2.6	18.5
172110 2002 GV_{79}	17.0	X	356.81445	129.36755	37.43545	2.29588	0.1202941	0.30217872	2.1993455	21	—	—
172111 2002 GV_{87}	16.3	X	40.53142	135.23732	138.84667	5.16017	0.1428158	0.26916645	2.3756845	21	9 12.4	18.9
172112 2002 GB_{88}	16.5	X	132.38421	169.67554	77.83353	7.03508	0.0662446	0.27988597	2.3146321	21	11 23.4	19.5
172113 2002 GA_{93}	16.1	X	37.17728	156.10122	221.51621	5.59146	0.1867098	0.28697141	2.2763740	21	—	—
172114 2002 GA_{108}	16.5	X	28.26657	213.26906	56.93658	6.88886	0.1216212	0.26838516	2.3802928	21	8 14.3	19.0
172115 2002 GH_{112}	17.0	X	182.30923	117.90188	93.48502	5.65679	0.1072120	0.28271244	2.2991789	21	11 30.7	20.3
172116 2002 GO_{113}	16.4	X	225.39312	20.17060	153.04935	6.12715	0.0497413	0.28584592	2.2823455	21	12 11.1	19.3
172117 2002 GH_{114}	16.3	X	188.48224	141.86501	67.35565	5.05427	0.0839844	0.28496792	2.2870311	21	12 6.7	19.3
172118 2002 GN_{114}	16.0	X	44.84856	215.65846	63.31652	6.89307	0.1796202	0.27176145	2.3605370	21	10 5.3	18.7
172119 2002 GR_{117}	16.2	X	88.90059	253.77718	59.87425	7.93460	0.1372709	0.28364050	2.2941610	21	—	—
172120 2002 GZ_{131}	16.9	X	93.36418	267.26569	20.66849	1.68993	0.0700953	0.28077216	2.3097591	21	11 30.4	20.0
172121 2002 GO_{135}	16.0	X	109.33178	287.56525	339.78857	6.41742	0.1034765	0.27967784	2.3157802	21	11 22.5	19.3
172122 2002 GD_{151}	17.1	X	71.01335	199.45014	301.98303	2.77263	0.0747169	0.31023496	2.1611035	21	3 26.9	19.3
172123 2002 GQ_{168}	16.9	X	194.12281	47.39183	258.53611	2.80720	0.0817727	0.29686856	2.2254948	21	—	—
172124 2002 GA_{171}	16.6	X	80.81915	358.14421	222.51760	4.78359	0.0551083	0.27177722	2.3604457	21	8 8.2	19.6
172125 2002 HE_{4}	16.5	X	233.76909	72.89433	114.71001	5.84275	0.1405290	0.28759578	2.2730782	21	12 27.7	19.1
172126 2002 HV_{4}	16.5	X	176.68282	203.22775	2.14339	4.45773	0.1229084	0.28088429	2.3091444	21	11 13.6	19.8
172127 2002 HD_{10}	16.2	X	57.17427	250.53554	38.50212	6.00270	0.1274931	0.27460877	2.3441916	21	10 25.4	18.9
172128 2002 HO_{14}	16.4	X	96.19690	201.91965	108.38457	7.49031	0.1297338	0.28182809	2.3039861	21	—	—
172129 2002 HR_{16}	17.0	X	264.76538	255.15731	261.42612	5.00111	0.1131046	0.28805162	2.2706795	21	—	—
172130 2002 JC_{21}	16.1	X	336.49485	41.24566	252.27931	5.91332	0.0768035	0.26259847	2.4151341	21	6 9.4	18.6
172131 2002 JT_{24}	16.1	X	357.26231	212.96694	70.68245	6.69522	0.1397613	0.26338000	2.4103541	21	6 30.2	18.2
172132 2002 JE_{34}	16.7	X	5.42939	219.34852	94.37800	1.70021	0.2075325	0.26617270	2.3934648	21	9 14.5	18.3
172133 2002 JH_{39}	17.1	X	32.72912	274.31120	249.83159	2.40811	0.0431025	0.30469989	2.1871967	21	2 24.1	19.5
172134 2002 JN_{40}	15.8	X	41.80229	90.05248	245.50138	5.09100	0.1866780	0.27888047	2.3201923	21	12 16.3	18.7
172135 2002 JK_{48}	16.8	X	316.48760	288.56776	248.12665	3.66147	0.1062135	0.29660104	2.2268328	21	—	—
172136 2002 JP_{56}	17.1	X	95.68956	174.29851	52.21350	3.20732	0.1463227	0.27128804	2.3632824	21	9 21.4	20.4
172137 2002 JY_{61}	16.1	X	349.83767	218.09607	81.93737	7.95138	0.1296730	0.26371422	2.4083172	21	7 11.8	18.3
172138 2002 JK_{64}	16.7	X	132.69940	140.37112	90.07484	2.99090	0.1759233	0.27622263	2.3350519	21	11 4.0	20.3
172139 2002 JS_{77}	16.6	X	322.48853	122.40985	32.26719	6.33470	0.0913162	0.29639772	2.2278510	21	—	—
172140 2002 JP_{78}	16.7	X	61.96684	72.15342	208.69081	6.15640	0.1024043	0.27441973	2.3452681	21	10 15.9	19.5
172141 2002 JT_{79}	16.0	X	9.28561	317.16797	37.22939	6.85832	0.1575577	0.27692614	2.3310956	21	11 18.2	18.3
172142 2002 JN_{80}	17.0	X	188.15533	177.16838	40.35654	6.06915	0.0546057	0.28439578	2.2900974	21	12 20.3	20.0
172143 2002 JW_{80}	16.3	X	71.98309	9.98654	332.81388	2.03544	0.1485790	0.28347647	2.2950459	21	—	—
172144 2002 JO_{101}	16.9	X	203.70491	26.19012	182.80216	1.76020	0.1530061	0.28488189	2.2874915	21	12 16.3	20.0
172145 2002 JY_{138}	16.1	X	289.05534	125.70584	236.59004	9.44414	0.1747641	0.26324932	2.4111517	21	6 17.8	19.0
172146 2002 JJ_{149}	15.7	X	233.41926	321.13130	263.73010	25.07806	0.2100137	0.28687330	2.2768930	21	—	—
172147 2002 KU_{5}	15.1	X	207.02881	70.08885	251.24045	12.34865	0.1905462	0.24069251	2.5595346	21	1 30.4	19.6
172148 2002 LU_{5}	17.0	X	359.79236	326.61285	327.09525	0.72744	0.1801285	0.26327940	2.4109681	21	7 23.6	18.8
172149 2002 LA_{13}	15.4	X	238.88462	200.20489	110.31770	9.76916	0.2443249	0.24353445	2.5395832	21	2 16.9	19.8
172150 2002 LR_{36}	14.9	X	177.35964	182.86222	144.92718	12.43742	0.1821992	0.23503446	2.6004491	21	1 17.0	19.1
172151 2002 LL_{43}	15.4	X	113.36735	105.05644	248.93791	13.85618	0.1543652	0.22944817	2.6424877	21	—	—
172152 2002 LH_{62}	16.3	X	140.64387	280.81465	93.86959	6.26880	0.3213817	0.23494039	2.6011432	21	2 24.5	20.7
172153 2002 NK_{6}	16.3	X	259.04990	28.16450	286.26977	5.04267	0.0683665	0.24666836	2.5180272	21	3 19.6	19.8
172154 2002 NR_{13}	16.2	X	344.17187	71.24103	279.78863	5.89070	0.1269645	0.26307106	2.4122408	21	9 15.7	18.5
172155 2002 NM_{18}	15.9	X	103.67817	196.13918	140.81805	9.16104	0.2233870	0.22627845	2.6671079	21	—	—
172156 2002 ND_{22}	15.3	X	60.90042	94.66755	285.90888	9.45872	0.2167297	0.22380176	2.6867487	21	—	—
172157 2002 NN_{26}	15.4	X	99.90615	36.87183	318.98261	10.88050	0.2132227	0.22541705	2.6738983	21	—	—
172158 2002 NS_{28}	16.7	X	306.94196	86.00493	258.56948	0.79836	0.1280524	0.25777516	2.4451678	21	6 28.5	19.3
172159 2002 NJ_{30}	16.2	X	86.60755	127.90544	103.94918	6.59703	0.1727706	0.26521693	2.3992116	21	9 22.8	19.7
172160 2002 NF_{32}	15.5	X	158.32661	62.16745	229.48583	12.98386	0.1947178	0.22847129	2.6500148	21	—	—

ELEMENTS AND OPPOSITION DATES IN 2021

ECLIPTIC AND EQUINOX 2000.0, EPOCH 2021 JULY 5.0 TT

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
172161 2002 NR_{34}	15.5	X	101.18601	192.30186	145.80523	12.86472	0.1925965	0.22614434	2.6681622	21	—	—
172162 2002 NX_{37}	16.0	X	66.22602	88.56865	249.27129	6.64284	0.2226080	0.22002037	2.7174452	21	—	—
172163 2002 NV_{48}	16.9	X	95.28852	88.14404	246.79188	2.51018	0.2783345	0.22411400	2.6842527	21	—	—
172164 2002 NR_{52}	15.9	X	154.48023	262.47632	119.24658	4.79303	0.0719602	0.24003458	2.5642095	21	2 20.0	19.4
172165 2002 NL_{53}	15.8	X	195.01831	198.13730	120.95413	4.31454	0.1785277	0.23721444	2.5844926	21	1 22.2	20.0
172166 2002 NU_{56}	15.5	X	195.15898	334.38611	4.41544	2.32483	0.2602900	0.24101727	2.5572348	21	2 17.0	19.9
172167 2002 NK_{61}	15.9	X	213.61522	170.29093	144.58916	4.42491	0.2013544	0.24075373	2.5591007	21	2 1.3	20.2
172168 2002 OA_{1}	15.7	X	102.92388	148.33131	256.46199	12.56421	0.1773331	0.23441913	2.6049977	21	1 27.1	19.1
172169 2002 OY_{2}	15.5	X	39.84997	179.63742	180.18211	13.74339	0.2078824	0.21652142	2.7466426	21	—	—
172170 2002 OE_{4}	15.7	X	122.85451	55.57105	294.60389	10.36771	0.2020554	0.22751098	2.6574665	21	—	—
172171 2002 PT	15.8	X	72.06188	141.83869	289.31883	5.19890	0.2083588	0.23128633	2.6284682	21	1 21.8	18.3
172172 2002 PU_{23}	16.3	X	93.43431	238.73190	294.22054	5.42000	0.0738828	0.25419648	2.4680637	21	6 23.6	19.5
172173 2002 PW_{24}	16.8	X	95.24935	353.35586	248.14623	3.51561	0.0836955	0.26474789	2.4020445	21	9 29.7	20.1
172174 2002 PW_{26}	16.3	X	119.40815	173.60908	243.21972	3.79424	0.1974426	0.23699177	2.5861112	21	3 9.4	19.9
172175 2002 PP_{36}	16.0	X	164.13248	87.49259	278.34459	4.01212	0.0997287	0.23733090	2.5836471	21	2 11.8	19.8
172176 2002 PH_{41}	15.9	X	154.54940	52.87018	302.74580	11.38902	0.1821734	0.23172452	2.6251536	21	1 29.7	19.9
172177 2002 PS_{42}	15.7	X	117.62497	274.12421	116.26883	5.36604	0.1970634	0.22888203	2.6468435	21	2 5.7	19.2
172178 2002 PU_{43}	15.3	X	70.42807	339.40107	341.68634	11.40719	0.1829139	0.21640559	2.7476225	21	12 17.9	19.6
172179 2002 PK_{47}	17.4	X	78.59967	84.27244	315.19862	18.25591	0.1493682	0.38405729	1.8744421	21	—	—
172180 2002 PR_{48}	15.5	X	18.60959	103.11309	295.41753	10.56872	0.1420588	0.21765658	2.7370844	21	—	—
172181 2002 PW_{48}	15.4	X	116.09353	355.09441	294.98799	10.46484	0.1197753	0.21934997	2.7229793	21	12 21.0	19.7
172182 2002 PK_{74}	15.7	X	133.20644	109.32902	194.96270	11.65893	0.1000851	0.22532373	2.6746365	21	—	—
172183 2002 PZ_{74}	16.2	X	55.79422	129.80164	278.87626	11.89837	0.2329599	0.22538686	2.6741370	21	—	—
172184 2002 PT_{83}	15.7	X	93.04762	208.42890	137.51250	13.02659	0.1894605	0.22367439	2.6877686	21	—	—
172185 2002 PS_{104}	15.3	X	40.86739	81.25802	275.20954	8.56871	0.1045956	0.21809566	2.7334095	21	12 17.5	18.9
172186 2002 PK_{108}	16.2	X	87.38392	350.67834	352.56300	5.48251	0.2507422	0.22345018	2.6895663	21	—	—
172187 2002 PX_{112}	15.6	X	111.94943	86.80581	315.06276	12.81338	0.2138290	0.23235581	2.6203966	21	2 13.2	19.2
172188 2002 PD_{117}	15.4	X	45.09723	8.13561	309.59437	6.43402	0.2260740	0.21319739	2.7751180	21	11 19.2	19.2
172189 2002 PA_{122}	16.2	X	272.12545	10.72159	273.91382	5.75588	0.1451034	0.24310109	2.5426004	21	2 17.2	20.0
172190 2002 PQ_{126}	16.0	X	126.52239	274.75289	109.44665	8.23478	0.1304230	0.23377937	2.6097481	21	1 29.5	19.5
172191 Ralphmcnutt	15.9	X	84.02346	72.26920	323.01989	11.13090	0.0560540	0.23015207	2.6370971	21	—	—
172192 2002 PB_{156}	16.1	X	140.53460	110.85310	321.04049	11.42413	0.2555035	0.24164811	2.5527823	21	4 20.6	20.5
172193 2002 PA_{160}	16.6	X	255.44342	294.88531	31.97737	2.37686	0.1358930	0.24671623	2.5177015	21	3 28.3	20.2
172194 2002 PD_{162}	16.7	X	103.41248	49.24699	325.40236	2.25881	0.1525935	0.22940793	2.6427968	21	—	—
172195 2002 QK_{9}	15.9	X	129.26715	292.21470	29.31118	8.61419	0.0781176	0.22605470	2.6688676	21	—	—
172196 2002 QT_{12}	16.2	X	279.32898	54.65382	186.30318	5.98790	0.0498170	0.23752167	2.5822635	21	1 14.1	19.9
172197 2002 QF_{19}	16.5	X	129.96506	273.76328	119.29005	5.13469	0.1709927	0.23399687	2.6081307	21	2 19.4	20.1
172198 2002 QF_{20}	16.0	X	118.71341	82.94263	245.10415	6.00106	0.1266322	0.22410448	2.6843287	21	—	—
172199 2002 QK_{24}	15.9	X	129.63959	348.82982	330.09206	11.46086	0.1892794	0.22864924	2.6486396	21	—	—
172200 2002 QO_{28}	16.2	X	128.85769	325.39795	359.36442	5.89930	0.1773399	0.22853598	2.6495147	21	—	—
172201 2002 QU_{30}	16.7	X	33.96442	226.92925	112.11264	2.87799	0.2484444	0.21507606	2.7589342	21	12 7.4	20.2
172202 2002 QL_{34}	16.0	X	242.42740	207.55980	81.20139	3.33008	0.1605441	0.23895174	2.5719504	21	1 27.5	20.0
172203 2002 QZ_{36}	16.3	X	124.72477	313.61432	132.37284	2.44652	0.1720129	0.23865964	2.5740485	21	4 21.5	20.0
172204 2002 QR_{52}	16.0	X	287.17360	78.60769	137.20885	9.24612	0.0090551	0.23361831	2.6109474	21	—	—
172205 2002 QT_{52}	16.4	X	121.89974	26.18162	13.09410	3.70982	0.2134449	0.23335085	2.6129421	21	2 23.9	20.1
172206 2002 QQ_{54}	16.5	X	316.75890	139.56549	114.50848	3.06458	0.0756866	0.24452042	2.5327518	21	3 17.5	19.6
172207 2002 QN_{68}	16.1	X	85.19074	43.81723	351.64316	4.17665	0.0391288	0.22978069	2.6399378	21	—	—
172208 2002 QH_{74}	16.8	X	130.85150	61.53341	354.95415	1.13401	0.1276106	0.23831436	2.5765342	21	3 14.8	20.4
172209 2002 QG_{75}	17.0	X	233.15327	249.19772	57.83518	0.93870	0.0207987	0.23946168	2.5682977	21	2 14.9	20.6
172210 2002 QF_{77}	16.5	X	22.75565	247.65935	121.92087	1.10220	0.0768524	0.21622317	2.7491677	21	12 5.6	19.9
172211 2002 QE_{84}	16.5	X	103.20651	188.76905	336.79862	4.10385	0.1666174	0.25238823	2.4798380	21	7 10.2	20.0
172212 2002 QW_{89}	16.4	X	163.54373	204.10994	313.30450	3.09206	0.1308866	0.25899276	2.4374982	21	8 28.5	20.1
172213 2002 QA_{110}	16.6	X	68.31527	135.90287	281.86995	2.01822	0.0690547	0.23120900	2.6290543	21	—	—
172214 2002 QV_{115}	16.4	X	234.55474	192.36930	64.86780	1.21804	0.0893871	0.23294381	2.6159851	21	—	—
172215 2002 RL_{26}	16.0	X	97.94164	112.75526	309.58978	13.39804	0.1478122	0.23216323	2.6218454	21	2 10.5	19.3
172216 2002 RF_{44}	15.9	X	1.70731	9.76893	356.91594	13.98157	0.2044503	0.21178087	2.7874788	21	11 7.3	19.0
172217 2002 RK_{44}	16.3	X	77.18691	301.08227	91.87815	3.25172	0.2593489	0.22469483	2.6796249	21	—	—
172218 2002 RG_{47}	15.6	X	101.82220	23.83009	4.27353	11.82881	0.2009909	0.22813809	2.6525944	21	1 16.6	19.1
172219 2002 RR_{47}	16.0	X	100.32004	339.84884	55.82424	3.24873	0.1623585	0.22899911	2.6459412	21	1 15.4	19.3
172220 2002 RZ_{57}	16.2	X	217.51248	54.63564	288.61424	4.52223	0.0929349	0.23991207	2.5650824	21	3 9.9	20.0
172221 2002 RP_{59}	15.6	X	8.67918	5.70320	12.19702	10.83463	0.2816695	0.21211389	2.7845604	21	12 23.9	18.8
172222 2002 RH_{60}	15.5	X	93.70423	249.56775	72.80600	3.17815	0.2338727	0.21965107	2.7204902	21	—	—
172223 2002 RP_{66}	15.1	X	2.78604	203.97233	273.07953	11.61732	0.1129561	0.22623186	2.6674740	21	—	—
172224 2002 RU_{88}	16.0	X	297.80083	246.16862	322.10672	4.13805	0.0500168	0.23346298	2.6121054	21	—	—
172225 2002 RS_{90}	15.6	X	357.29979	32.64499	352.40480	13.91964	0.0434571	0.21277621	2.7787790	21	11 9.9	19.5
172226 2002 RB_{97}	15.6	X	105.70704	318.84682	23.00574	4.35208	0.1091376	0.22190930	2.7020023	21	—	—
172227 2002 RG_{109}	15.4	X	77.51446	50.39991	311.17489	8.31437	0.1410645	0.22251423	2.6971030	21	—	—
172228 2002 RJ_{113}	16.0	X	110.70599	252.17468	124.02111	4.49007	0.0974702	0.22964506	2.6409771	21	—	—
172229 2002 RT_{113}	15.8	X	294.59903	351.90699	13.25105	1.69994	0.0944943	0.20291326	2.8681098	21	7 14.2	19.6
172230 2002 RZ_{113}	15.9	X	339.92607	141.68550	171.20195	1.77238	0.0674866	0.20252998	2.8717271	21	7 14.4	19.6
172231 2002 RZ_{127}	16.0	X	29.08473	185.55764	255.60750	11.99620	0.1237502	0.22634849	2.6665577	21	—	—
172232 2002 RL_{131}	15.6	X	24.55848	171.99632	275.69062	10.99542	0.1509439	0.22551338	2.6731367	21	—	—
172233 2002 RB_{141}	15.7	X	141.01850	32.85469	33.22041	15.73474	0.0974498	0.23902500	2.5714248	21	4 7.6	19.3
172234 2002 RS_{142}	16.4	X	57.74296	150.27598	224.56486	5.32936	0.0302897	0.22111736	2.7084500	21	—	—
172235 2002 RF_{149}	15.9	X	20.68218	263.51894	184.99615	14.13784	0.0658962	0.22731136	2.6590221	21	—	—
172236 2002 RH_{173}	15.4	X	357.51773	315.38468	76.75777	9.02172	0.2322100	0.21209872	2.7846932	21	12 14.3	18.0
172237 2002 RG_{178}	16.3	X	317.05221	227.65404	189.85767	1.71384	0.0826758	0.21005595	2.8027179	21	10 29.5	19.7
172238 2002 RY_{179}	15.6	X	321.22373	292.14700	182.78534	12.96079	0.0333565	0.21958210	2.7210599	21	—	—
172239 2002 RO_{182}	15.6	X	102.68365	61.98828	295.62504	14.11479	0.0927497	0.22462858	2.6801517	21	—	—
172240 2002 RO_{191}	16.2	X	85.20091	226.63610	145.69718	3.41573	0.1253864	0.22490464	2.6779580	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
172241 2002 RT_{196}	16.5	X	201.94835	308.78564	354.56318	3.42486	0.1410210	0.23468750	2.6030114	21	1 9.3	20.6
172242 2002 RA_{200}	16.2	X	52.54754	274.64071	70.99078	2.14878	0.1037421	0.21631119	2.7484218	21	12 17.9	19.9
172243 2002 RT_{202}	15.6	X	58.32433	351.10920	328.05205	8.84191	0.1710929	0.21446807	2.7641458	21	11 29.3	19.7
172244 2002 RG_{206}	16.0	X	25.28805	69.60343	322.73775	4.02229	0.1198519	0.21744548	2.7388555	21	—	—
172245 2002 RV_{206}	16.4	X	196.55233	49.36332	315.54017	4.17455	0.1828892	0.23915471	2.5704950	21	3 17.5	20.6
172246 2002 RS_{223}	15.7	X	22.95522	77.75581	39.69358	8.56564	0.0820391	0.22886877	2.6469457	21	—	—
172247 2002 RF_{224}	15.4	X	330.91105	309.48546	94.29828	10.09907	0.2023026	0.21134374	2.7913210	21	11 4.5	18.1
172248 2002 RV_{225}	15.4	X	358.71060	119.31197	320.35602	8.53855	0.1254212	0.21972668	2.7198661	21	—	—
172249 2002 RG_{226}	16.1	X	171.34678	157.02192	123.98228	3.27845	0.1776752	0.22613268	2.6682539	21	—	—
172250 2002 RR_{232}	16.3	X	344.48601	249.63771	294.33385	2.98643	0.1655569	0.23532776	2.5982879	21	1 9.7	19.3
172251 2002 RR_{237}	16.6	X	166.37665	172.75833	112.32482	0.99083	0.0862282	0.22667138	2.6640248	21	—	—
172252 2002 RR_{263}	17.0	X	148.86478	64.42216	245.39319	3.79691	0.1037147	0.22578874	2.6709629	21	—	—
172253 2002 RC_{271}	16.3	X	115.18354	168.65660	173.53586	5.37654	0.0605728	0.22650065	2.6653633	21	—	—
172254 2002 SY_{8}	16.2	X	179.06903	142.65352	144.91047	4.22942	0.0492333	0.22471198	2.6794885	21	—	—
172255 2002 SQ_{9}	16.1	X	87.47628	328.10477	24.60930	5.18724	0.0631742	0.22038145	2.7144761	21	—	—
172256 2002 SN_{11}	16.1	X	184.18764	235.63543	25.91040	4.91742	0.0404176	0.22122521	2.7075697	21	—	—
172257 2002 SD_{16}	15.9	X	59.09497	104.18607	298.61389	11.93693	0.2362482	0.22136923	2.7063952	21	—	—
172258 2002 SG_{23}	16.1	X	42.83459	249.37158	95.79747	1.75380	0.0812094	0.21345611	2.7728752	21	12 1.5	19.9
172259 2002 SF_{26}	16.3	X	130.96812	176.44890	133.64104	4.74470	0.2385945	0.22335062	2.6903654	21	—	—
172260 2002 SN_{40}	15.7	X	78.67819	10.95206	28.10943	8.02342	0.1228099	0.22535028	2.6744264	21	—	—
172261 2002 SN_{51}	16.1	X	184.62012	252.55496	91.73029	4.79640	0.2030596	0.23552248	2.5968556	21	2 14.9	20.5
172262 2002 SK_{54}	15.6	X	46.36425	357.62120	324.14534	8.75983	0.1564010	0.21379337	2.7699583	21	11 14.5	19.4
172263 2002 SF_{61}	15.8	X	52.26535	358.98296	35.74017	7.42647	0.0755675	0.22163481	2.7042327	21	—	—
172264 2002 TW_{15}	15.5	X	27.57504	117.66060	229.02797	2.94036	0.1071688	0.21238427	2.7821966	21	11 16.2	18.9
172265 2002 TW_{21}	15.5	X	72.39821	352.05544	33.50477	6.52264	0.0228796	0.22227915	2.6990042	21	—	—
172266 2002 TM_{23}	16.0	X	22.45128	28.14162	32.81115	6.67611	0.0609368	0.21941994	2.7224003	21	—	—
172267 2002 TP_{29}	15.7	X	359.20952	67.74789	18.03407	3.34545	0.1701075	0.21693731	2.7431310	21	—	—
172268 2002 TE_{64}	16.0	X	30.17494	238.37560	276.93604	3.74963	0.0754547	0.23443822	2.6048563	21	2 21.4	19.1
172269 Tator	15.6	X	9.88585	64.42872	343.28640	8.56122	0.2187285	0.21555442	2.7548509	21	—	—
172270 2002 TN_{70}	15.4	X	189.75529	53.88627	240.23832	12.06099	0.1677652	0.23093252	2.6311523	21	—	—
172271 2002 TW_{79}	15.4	X	330.63547	17.44671	58.73506	14.74437	0.2054263	0.21050131	2.7987634	21	12 14.8	18.0
172272 2002 TP_{83}	15.7	X	46.05040	250.94145	92.79865	6.39460	0.1868536	0.21544742	2.7557629	21	12 19.3	19.5
172273 2002 TP_{89}	16.2	X	147.89463	353.82734	341.50001	5.69283	0.0897905	0.22602459	2.6691046	21	—	—
172274 2002 TD_{98}	16.1	X	299.65784	86.42693	201.74688	1.20145	0.1502295	0.19213786	2.9743638	21	4 2.3	20.2
172275 2002 TO_{108}	15.6	X	34.80037	318.66388	74.33710	10.11601	0.1580148	0.21815500	2.7329138	21	—	—
172276 2002 TP_{111}	15.5	X	0.78476	314.87727	351.73154	14.86562	0.1483901	0.20629262	2.8367011	21	8 16.0	18.7
172277 2002 TU_{111}	16.1	X	87.58672	301.96506	108.15769	4.54724	0.1846501	0.22887585	2.6468911	21	1 18.1	18.9
172278 2002 TU_{112}	15.8	X	6.03533	184.41604	17.60920	3.69408	0.0833334	0.23926020	2.5697394	21	3 20.2	18.6
172279 2002 TO_{121}	15.7	X	1.46959	89.75299	318.30488	6.27306	0.0521932	0.21365278	2.7711733	21	12 21.8	19.4
172280 2002 TM_{124}	14.8	X	107.65617	183.83122	278.07001	9.07595	0.0526829	0.18656629	3.0332900	21	4 4.8	19.3
172281 2002 TD_{133}	15.8	X	138.60572	300.22698	329.43335	6.26618	0.0956349	0.26968864	2.3726169	21	12 26.6	19.3
172282 2002 TJ_{134}	15.0	X	243.71212	31.22687	240.53831	9.57086	0.1007031	0.18009016	3.1055800	21	1 17.6	19.9
172283 2002 TU_{137}	15.2	X	2.38308	106.66492	271.52828	7.86905	0.1374631	0.20861720	2.8155893	21	11 20.8	18.6
172284 2002 TO_{138}	15.4	X	52.83475	59.54823	288.98870	7.46672	0.3492637	0.21540991	2.7560828	21	—	—
172285 2002 TX_{138}	14.7	X	196.84946	72.00609	273.85378	8.14723	0.1152844	0.18159189	3.0884346	21	2 26.1	19.7
172286 2002 TL_{139}	15.3	X	52.23327	70.15069	276.71681	6.93587	0.1787407	0.21372146	2.7705795	21	12 28.8	19.2
172287 2002 TE_{144}	16.9	X	204.05078	257.18187	101.65475	4.93671	0.1588401	0.23967231	2.5667928	21	3 20.5	21.0
172288 2002 TO_{156}	16.1	X	51.11161	133.65408	229.36361	5.43278	0.0383883	0.21855279	2.7295967	21	12 28.6	19.9
172289 2002 TS_{164}	15.3	X	74.44312	302.45613	130.83489	15.30354	0.1079105	0.22545043	2.6736343	21	1 18.0	18.4
172290 2002 TW_{166}	15.2	X	48.46725	136.86756	257.70191	13.64582	0.0228691	0.22155613	2.7048730	21	—	—
172291 2002 TH_{174}	15.7	X	19.48982	355.03957	73.20787	8.62258	0.0753495	0.22043064	2.7140723	21	—	—
172292 2002 TR_{177}	15.1	X	75.22740	32.99833	264.41686	17.02363	0.1672089	0.21181764	2.7871561	21	11 21.2	19.4
172293 2002 TD_{178}	15.1	X	343.82960	32.44959	315.95233	14.38694	0.1536689	0.20340200	2.8635135	21	9 1.8	18.4
172294 2002 TQ_{179}	15.7	X	264.61776	21.50243	296.68858	12.28764	0.1939937	0.23994107	2.5648757	21	3 14.8	20.0
172295 2002 TC_{195}	15.6	X	37.64893	331.40915	59.22084	5.74467	0.1126898	0.21537275	2.7563998	21	—	—
172296 2002 TV_{195}	15.6	X	330.04493	171.46729	218.19796	14.70073	0.1362375	0.20406510	2.8573069	21	10 7.0	18.9
172297 2002 TU_{199}	15.6	X	90.82291	69.42033	311.93931	13.60140	0.2698738	0.22386085	2.6862759	21	1 1.4	18.6
172298 2002 TD_{213}	16.1	X	30.83189	325.44293	70.70540	5.63502	0.0782219	0.21737312	2.7394633	21	—	—
172299 2002 TD_{217}	15.8	X	351.32212	318.14977	77.57366	5.45552	0.0738702	0.21145140	2.7903735	21	11 23.0	19.1
172300 2002 TE_{228}	15.3	X	146.87730	288.12116	57.84529	17.51016	0.2803456	0.22834858	2.6509641	21	1 25.1	19.9
172301 2002 TM_{234}	15.2	X	92.66084	34.43643	284.63605	12.10504	0.1660583	0.21727463	2.7402911	21	—	—
172302 2002 TY_{235}	15.4	X	131.28871	148.30649	258.91697	13.55710	0.0946403	0.23257855	2.6187233	21	2 20.9	19.4
172303 2002 TZ_{235}	15.3	X	20.59282	120.55730	296.00701	12.84270	0.0704162	0.21757951	2.7377306	21	—	—
172304 2002 TC_{238}	15.7	X	150.69069	65.22792	289.66088	11.96169	0.1932106	0.22988240	2.6391591	21	1 25.7	19.9
172305 2002 TY_{239}	15.6	X	54.43532	193.00598	221.98406	12.08711	0.1351889	0.22137067	2.7063834	21	—	—
172306 2002 TV_{250}	16.0	X	97.38344	86.06293	264.19012	1.53237	0.1943865	0.22008477	2.7169151	21	—	—
172307 2002 TT_{262}	15.7	X	90.90399	283.39233	25.50308	7.15762	0.0613060	0.21383219	2.7696230	21	12 10.7	19.8
172308 2002 TQ_{267}	16.0	X	99.66707	127.66690	302.07458	2.30729	0.1008435	0.22923812	2.6441017	21	2 17.4	19.2
172309 2002 TU_{268}	15.6	X	349.41879	83.27423	341.94051	8.19831	0.2205797	0.21402312	2.7679756	21	—	—
172310 2002 TL_{273}	16.3	X	19.39501	152.23674	240.77762	3.43829	0.1191693	0.21477459	2.7615153	21	—	—
172311 2002 TO_{275}	15.4	X	97.43699	90.53958	226.88702	7.88889	0.1761109	0.21654873	2.7464116	21	—	—
172312 2002 TO_{284}	14.9	X	232.11322	124.99774	277.81178	9.03613	0.1154305	0.19262159	2.9693821	21	6 12.9	19.5
172313 2002 TM_{286}	15.5	X	33.92375	311.14341	27.26248	9.43127	0.1665376	0.20904365	2.8117588	21	11 20.7	19.2
172314 2002 TR_{290}	15.6	X	89.26659	70.03134	322.22459	4.48921	0.1016461	0.22318043	2.6917330	21	—	—
172315 Changqiaoxiaoxue	15.5	X	308.83094	80.16059	53.87720	15.26362	0.0688973	0.21901178	2.7257817	21	—	—
172316 2002 TD_{303}	16.5	X	155.13955	290.73899	80.16368	2.70980	0.1065068	0.23207451	2.6225136	21	2 12.1	20.3
172317 Walterbos	15.8	X	205.46737	133.20348	92.61902	14.15471	0.0864161	0.21596625	2.7513475	21	—	—
172318 Wangshui	15.8	X	251.78611	352.17589	155.11161	9.01743	0.1209905	0.21177037	2.7875709	21	11 18.6	19.7
172319 2002 TR_{375}	15.8	X	27.16885	348.17657	66.63328	6.31081	0.0745923	0.21867078	2.7286147	21	—	—
172320 2002 TZ_{377}	15.7	X	180.12150	13.39687	10.07305	2.19202	0.1102622	0.18349820	3.0670076	21	3 29.9	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
172321 2002 UY_5	15.6	X	94.35895	262.22349	92.62063	7.30396	0.0417554	0.22046285	2.7138079	21	—	—
172322 2002 UQ_{22}	15.5	X	351.17687	26.15366	22.00919	3.21779	0.1699478	0.20932434	2.8092447	21	12 15.8	18.4
172323 2002 UP_{23}	16.0	X	281.23848	292.19886	346.85611	4.88030	0.1093982	0.23689559	2.5868112	21	2 27.9	19.5
172324 2002 UM_{26}	15.7	X	344.43643	52.03215	64.84172	10.68599	0.1342448	0.21850351	2.7300071	21	—	—
172325 2002 UW_{32}	15.8	X	246.88393	327.46628	45.87636	4.41670	0.1382138	0.24340984	2.5404498	21	5 17.4	19.4
172326 2002 UL_{47}	16.2	X	8.95842	347.81800	42.91198	7.47593	0.1211390	0.21303984	2.7764861	21	12 17.3	19.6
172327 2002 VF	15.5	X	17.62687	332.48810	87.45054	4.85662	0.1436480	0.21592527	2.7516957	21	—	—
172328 2002 VV_3	15.5	X	3.31895	66.15780	329.72986	4.72469	0.0367979	0.21023852	2.8010951	21	12 5.8	19.2
172329 2002 VE_{16}	16.1	X	344.61077	177.75688	225.19003	3.19946	0.0996366	0.20936079	2.8089186	21	11 22.7	19.2
172330 2002 VH_{18}	15.7	X	344.99447	350.80777	49.35183	6.95388	0.0734592	0.20861906	2.8155726	21	11 17.8	19.1
172331 2002 VS_{19}	15.4	X	39.75932	327.84130	70.59520	5.91384	0.1251437	0.21531338	2.7569065	21	—	—
172332 2002 VW_{19}	16.1	X	236.71964	356.86078	53.76813	3.22600	0.1866494	0.19306328	2.9648514	21	6 20.9	20.8
172333 2002 VH_{23}	15.8	X	62.60309	141.44158	261.97339	3.89417	0.1127523	0.21942678	2.7223438	21	—	—
172334 2002 VB_{25}	15.7	X	24.03177	125.83670	275.18474	5.22403	0.0165201	0.21505833	2.7590858	21	—	—
172335 2002 VO_{32}	15.5	X	10.89755	354.34434	66.23513	10.00129	0.1402716	0.21301438	2.7767073	21	—	—
172336 2002 VE_{37}	15.5	X	328.44554	353.48745	73.85705	8.59317	0.0684824	0.20986365	2.8044298	21	11 29.2	19.0
172337 2002 VR_{38}	16.4	X	138.77776	13.04213	328.76489	3.03271	0.2294151	0.22530161	2.6748116	21	1 4.8	20.4
172338 2002 VX_{43}	15.1	X	280.25873	282.43984	51.64596	11.99119	0.1398995	0.19062952	2.9900328	21	5 8.6	19.2
172339 2002 VL_{57}	15.5	X	11.08582	65.68671	62.31248	13.46230	0.1303597	0.22364405	2.6880117	21	—	—
172340 2002 VN_{74}	16.3	X	45.31383	350.32504	69.34455	7.03042	0.1156251	0.21967715	2.7202749	21	—	—
172341 2002 VZ_{85}	15.2	X	343.96904	158.13754	318.34495	25.76539	0.2106476	0.21248658	2.7813034	21	—	—
172342 2002 VQ_{92}	15.3	X	203.54835	68.84604	113.34936	4.90445	0.0876480	0.20641820	2.8355505	21	11 8.7	19.5
172343 2002 VC_{97}	15.5	X	32.15713	178.99184	329.54867	7.94949	0.2303954	0.22645545	2.6657180	21	2 19.6	17.5
172344 2002 VL_{104}	15.4	X	232.43366	163.83162	247.53990	9.43189	0.1044516	0.19226787	2.9730228	21	6 24.5	20.0
172345 2002 VR_{105}	15.2	X	67.11411	96.99428	262.86861	11.94340	0.2183218	0.21548358	2.7554546	21	—	—
172346 2002 VK_{106}	15.4	X	30.78481	178.07615	261.76100	4.92978	0.1160498	0.21820970	2.7324571	21	—	—
172347 2002 VL_{108}	15.5	X	16.16719	60.15887	7.91040	4.29256	0.0657436	0.21456687	2.7632972	21	—	—
172348 2002 VU_{113}	15.9	X	253.09900	217.78585	163.79650	1.57418	0.1656742	0.19229686	2.9727240	21	6 3.5	20.5
172349 2002 VO_{122}	15.3	X	42.22464	111.31109	288.87970	7.97620	0.1580557	0.21624932	2.7489460	21	—	—
172350 2002 VN_{123}	15.4	X	59.23938	36.68207	356.44195	13.57041	0.2041829	0.21918597	2.7243373	21	—	—
172351 2002 VG_{126}	15.5	X	78.60636	87.40606	279.57964	7.23067	0.1808497	0.21773945	2.7363898	21	—	—
172352 2002 VG_{127}	15.6	X	344.64520	125.49513	232.28868	7.09897	0.1841265	0.20277003	2.8694602	21	9 18.4	18.6
172353 2002 VR_{133}	16.0	X	97.62778	274.71341	100.87257	6.46267	0.0917844	0.22128526	2.7070798	21	—	—
172354 2002 WY_7	15.9	X	187.69982	292.82587	151.04440	1.48522	0.1457007	0.18862865	3.0111400	21	6 18.7	20.7
172355 2002 XM	14.9	X	277.76379	2.30695	94.65960	13.98973	0.1918409	0.20339740	2.8635567	21	10 13.2	18.9
172356 2002 XG_7	15.6	X	263.43029	186.53099	306.37149	8.36601	0.0924191	0.20903564	2.8118306	21	11 14.2	19.4
172357 2002 XC_{12}	15.6	X	73.30790	44.25519	305.03332	6.84559	0.2880316	0.21619366	2.7494179	21	—	—
172358 2002 XS_{12}	15.3	X	210.29564	200.53955	256.80961	9.95753	0.0792140	0.19273726	2.9681938	21	7 28.1	19.9
172359 2002 XE_{16}	15.2	X	43.44298	48.53270	331.87468	8.67848	0.1196164	0.21396369	2.7684881	21	—	—
172360 2002 XM_{39}	15.0	X	49.06377	148.56778	55.98453	12.02897	0.0790629	0.18525727	3.0475620	21	6 4.5	19.1
172361 2002 XK_{51}	15.3	X	314.60394	279.13882	83.18537	14.72878	0.1914812	0.19737868	2.9214775	21	7 29.3	18.8
172362 2002 XM_{55}	14.9	X	113.52853	278.30307	229.62691	8.04449	0.0988882	0.18467232	3.0539939	21	6 19.9	19.4
172363 2002 XK_{60}	15.6	X	21.18501	168.43323	242.87166	3.69376	0.0637903	0.21308339	2.7761077	21	—	—
172364 2002 XV_{63}	15.2	X	358.26057	157.37186	291.79275	13.10030	0.1600018	0.21239704	2.7820851	21	—	—
172365 2002 XR_{64}	14.9	X	262.99555	267.96587	59.61394	13.14756	0.1166856	0.18297031	3.0729038	21	4 18.3	19.5
172366 2002 XB_{71}	15.4	X	4.35831	347.80014	65.94822	5.07018	0.1391376	0.20920424	2.8103197	21	—	—
172367 2002 XL_{72}	15.2	X	215.60676	13.11574	55.00849	4.50469	0.0928681	0.18917814	3.0053064	21	6 28.9	19.7
172368 2002 XC_{74}	15.2	X	144.20810	69.06615	58.43187	10.54797	0.1280511	0.18599636	3.0394833	21	6 30.4	20.0
172369 2002 XF_{85}	15.2	X	302.98690	151.80909	282.85714	14.07010	0.1119782	0.20359452	2.8617080	21	10 19.8	19.1
172370 2002 XL_{85}	14.7	X	211.04949	67.00849	64.45434	17.26264	0.0601225	0.19653310	2.9298513	21	9 25.1	19.3
172371 2002 XB_{93}	16.0	X	282.35006	58.44771	350.16741	1.38495	0.1312873	0.19682327	2.9269710	21	8 18.1	19.8
172372 2002 XO_{95}	15.4	X	260.15083	132.63944	228.00263	8.51159	0.1154951	0.19036907	2.9927593	21	5 21.9	19.8
172373 2002 XX_{101}	15.9	X	292.78486	53.69944	328.62872	1.45141	0.1181959	0.19584904	2.9366695	21	7 30.8	19.7
172374 2002 XB_{107}	15.5	X	262.54313	254.13697	126.54741	2.30536	0.2488556	0.19245491	2.9710962	21	6 2.9	20.2
172375 2002 YH_{13}	15.7	X	109.28177	327.55373	158.65617	0.18586	0.1236628	0.17875951	3.1209726	21	5 22.2	20.2
172376 2002 YE_{25}	14.7	X	160.20646	127.98824	279.83465	12.11750	0.0595064	0.17617207	3.1514567	21	3 30.5	19.6
172377 2002 YT_{34}	15.1	X	343.74509	100.47950	249.96862	7.15926	0.2371862	0.19973754	2.8984307	21	9 2.9	17.9
172378 2002 YK_{35}	15.0	X	157.15771	204.74468	249.86042	13.03685	0.1240882	0.18299558	3.0726209	21	6 2.4	19.8
172379 2003 AO_7	15.0	X	177.55803	190.92806	224.99267	16.25536	0.2328963	0.18201307	3.0836683	21	5 8.4	20.2
172380 2003 AH_{10}	15.6	X	328.95710	351.55293	129.83437	10.66277	0.1836868	0.21184047	2.7869559	21	—	—
172381 2003 AY_{10}	15.3	X	53.13436	331.55763	122.23922	13.69110	0.1675697	0.22174812	2.7033114	21	1 15.6	18.1
172382 2003 AD_{11}	15.2	X	148.00526	258.82455	216.75255	7.81411	0.2517650	0.18335177	3.0686403	21	6 25.6	20.5
172383 2003 AW_{15}	15.4	X	328.87640	185.68812	332.75041	8.62302	0.1089736	0.21571975	2.7534432	21	—	—
172384 2003 AF_{21}	15.2	X	157.89500	46.90524	72.61394	10.55514	0.0509812	0.18479310	3.0526631	21	6 30.5	19.7
172385 2003 AN_{21}	15.4	X	31.14375	127.41159	46.13378	2.72648	0.0576158	0.17315882	3.1879119	21	3 31.4	19.5
172386 2003 AO_{35}	14.6	X	73.07753	247.84121	261.33959	13.92036	0.1020071	0.17691914	3.1425787	21	4 29.6	19.0
172387 2003 AZ_{37}	14.7	X	69.45505	56.15408	122.67651	24.11470	0.1363673	0.17792075	3.1307734	21	6 14.3	19.2
172388 2003 AG_{45}	14.6	X	29.20893	121.02460	78.58762	10.27331	0.1160138	0.17616597	3.1515294	21	5 6.0	18.5
172389 2003 AX_{50}	14.6	X	255.56166	245.88629	91.14183	9.04333	0.0435470	0.17837424	3.1254649	21	4 29.6	19.2
172390 2003 AO_{52}	15.6	X	147.22847	75.59157	64.28635	6.65929	0.1348397	0.18411204	3.0601867	21	7 20.3	20.5
172391 2003 AG_{54}	15.1	X	158.84546	75.91087	103.65609	16.00289	0.0687625	0.19134799	2.9825435	21	9 23.7	19.9
172392 2003 AA_{55}	14.8	X	67.95951	61.24019	102.74965	17.12542	0.0509490	0.17587175	3.1550433	21	5 13.7	19.4
172393 2003 AK_{68}	15.1	X	84.71450	46.33146	72.84027	12.13512	0.0731010	0.17189750	3.2034873	21	4 12.2	19.7
172394 2003 AL_{78}	14.4	X	7.55122	104.20133	86.13585	17.62061	0.0305370	0.16999562	3.2273363	21	3 29.5	19.2
172395 2003 AN_{84}	15.6	X	108.38364	300.05507	197.93710	9.66100	0.1862856	0.17743164	3.1365244	21	6 12.9	20.5
172396 2003 BV_6	15.5	X	359.44250	9.95277	103.80599	13.58011	0.1476313	0.21700294	2.7425779	21	—	—
172397 2003 BR_{14}	15.0	X	90.36155	279.88943	298.97268	7.42706	0.1135398	0.18539270	3.0460776	21	8 22.1	19.5
172398 2003 BT_{20}	15.3	X	167.44202	15.30662	112.19231	7.64352	0.2040087	0.18238215	3.0795067	21	7 24.6	20.6
172399 2003 BC_{22}	15.5	X	83.72524	309.89514	114.92503	14.11583	0.2530285	0.22606677	2.6687726	21	2 14.5	18.5
172400 2003 BH_{22}	15.6	X	251.50415	129.46425	295.09957	8.81177	0.0940869	0.18957286	3.0011333	21	8 2.9	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
172401 2003 BG_{24}	15.1	X	121.15997	295.94455	174.39345	16.50742	0.2172217	0.17614708	3.1517548	21	5 28.1	20.4
172402 2003 BJ_{51}	15.1	X	106.93575	225.75700	301.94183	4.48824	0.1703214	0.17917469	3.1161495	21	7 16.4	19.7
172403 2003 BO_{52}	15.2	X	107.99350	236.76294	296.06912	7.53056	0.0724555	0.18056371	3.1001479	21	7 12.3	19.7
172404 2003 BC_{53}	15.1	X	220.00615	354.35957	108.10688	11.73403	0.0690735	0.18838380	3.0137486	21	8 20.8	19.6
172405 2003 BH_{65}	15.4	X	266.06655	77.99250	296.29680	6.74049	0.1515599	0.18556425	3.0442000	21	6 10.1	19.9
172406 2003 BY_{67}	15.7	X	227.94188	330.65256	102.82746	4.34214	0.1027791	0.18632086	3.0359531	21	7 18.4	20.2
172407 2003 BN_{69}	15.1	X	248.26228	317.08513	326.80364	13.27784	0.1505097	0.21899604	2.7259123	21	1 31.4	19.4
172408 2003 BL_{75}	15.2	X	84.85141	87.65393	58.95392	10.59714	0.0564356	0.17447918	3.1718087	21	5 9.4	19.5
172409 2003 BJ_{77}	15.8	X	112.33126	23.28642	89.46980	2.68649	0.1755081	0.17543581	3.1602678	21	5 15.9	20.6
172410 2003 CB_{2}	14.1	X	11.47714	319.52189	291.24999	25.78436	0.1225052	0.17624311	3.1506098	21	6 13.6	18.2
172411 2003 CM_{14}	15.1	X	314.84413	214.94678	125.91972	12.39325	0.0601236	0.18409910	3.0603300	21	7 14.9	19.3
172412 2003 DC_{13}	14.8	X	168.73757	85.91077	289.48275	12.64330	0.1658413	0.17094763	3.2153432	21	3 7.4	20.2
172413 2003 EH_{2}	15.3	X	107.31920	220.19526	326.72960	4.22386	0.1124240	0.18047331	3.1011830	21	8 3.6	20.0
172414 2003 EW_{14}	15.3	X	60.91386	95.88069	99.40786	5.12942	0.1015783	0.17497011	3.1658729	21	6 14.3	19.5
172415 2003 EZ_{39}	15.5	X	87.99833	96.43213	100.17643	16.84830	0.1859917	0.17643099	3.1483726	21	8 4.3	20.2
172416 2003 FV_{5}	14.5	X	172.88076	94.49758	227.81363	5.64495	0.0471754	0.15235837	3.4718305	21	1 10.8	19.7
172417 2003 FW_{37}	16.4	X	182.29223	299.38289	217.96856	1.41281	0.2187939	0.18615195	3.0377893	21	9 9.3	21.6
172418 2003 FV_{106}	14.2	X	121.58652	114.31559	32.44116	26.66453	0.1702788	0.17319891	3.1874199	21	7 6.2	19.7
172419 2003 GD_{21}	16.8	X	22.60133	101.50079	42.63781	23.01580	0.1275529	0.37633295	1.9000042	21	—	—
172420 2003 GM_{48}	15.1	X	230.36028	206.09145	100.80320	7.37733	0.0540598	0.15826952	3.3848377	21	2 24.5	20.2
172421 2003 HF	16.4	X	121.88329	206.36950	70.56974	44.37464	0.1075865	0.35137235	1.9889521	21	12 23.7	19.5
172422 2003 OW_{13}	17.1	X	142.65133	210.37494	95.19845	8.06848	0.1767723	0.29676327	2.2260211	21	—	—
172423 2003 OK_{16}	16.4	X	335.97977	166.03782	166.45577	4.54138	0.2535243	0.27098375	2.3650512	21	7 21.6	17.8
172424 2003 OU_{17}	17.6	X	162.77195	229.56376	52.07231	4.35637	0.1922228	0.29725655	2.2235578	21	—	—
172425 Taliajacobi	15.4	X	301.16912	79.11612	356.45513	21.35488	0.3566343	0.27107972	2.3644930	21	9 25.5	16.8
172426 2003 OJ_{31}	16.7	X	301.28564	162.99351	175.49077	7.46247	0.2446026	0.26651897	2.3913913	21	5 22.3	19.7
172427 2003 PF_{4}	16.5	X	337.27277	29.01155	317.70201	6.90458	0.2356765	0.27350242	2.3505091	21	8 24.4	17.6
172428 2003 PX_{9}	16.6	X	8.99924	99.95453	219.99744	7.25583	0.1894465	0.27695219	2.3309494	21	9 29.0	18.6
172429 2003 QN_{1}	16.9	X	357.95153	128.72587	193.24032	2.94857	0.2420295	0.27389758	2.3482478	21	9 12.7	18.3
172430 2003 QL_{8}	16.4	X	359.26634	72.23005	296.76608	6.32718	0.1314379	0.27990918	2.3145041	21	11 18.0	18.7
172431 2003 QO_{16}	16.9	X	188.47640	75.77140	336.67294	3.64224	0.1384941	0.25904557	2.4371669	21	5 6.7	20.6
172432 2003 QD_{18}	16.9	X	15.22683	280.31288	56.79727	2.82721	0.2239822	0.27852117	2.3221873	21	11 15.9	19.0
172433 2003 QN_{22}	16.9	X	3.24772	117.95239	224.89561	3.73365	0.1516913	0.27674794	2.3320962	21	10 19.8	19.0
172434 2003 QG_{24}	16.9	X	340.58664	185.05344	183.86746	4.82812	0.1324191	0.27740787	2.3283961	21	10 14.3	18.7
172435 2003 QX_{24}	17.3	X	43.67367	141.77980	211.58013	2.31406	0.1208770	0.28521472	2.2857115	21	—	—
172436 2003 QE_{25}	16.1	X	71.55408	304.76508	309.78169	9.55366	0.0992507	0.27570293	2.3379854	21	9 17.3	19.2
172437 2003 QO_{37}	17.2	X	120.53656	51.55692	226.81055	0.75856	0.1758184	0.28798092	2.2710511	21	12 23.0	20.6
172438 2003 QW_{37}	16.7	X	56.87250	10.59991	314.99184	4.61572	0.1734678	0.28410438	2.2916631	21	12 20.2	19.9
172439 2003 QP_{40}	16.6	X	52.70923	353.96976	318.52533	6.65460	0.1389552	0.28271165	2.2991832	21	11 21.2	19.7
172440 2003 QE_{42}	16.3	X	304.08087	337.66050	29.40195	3.10985	0.2101983	0.26815079	2.3816796	21	7 14.3	18.8
172441 2003 QR_{45}	16.5	X	328.45763	259.80762	155.28134	5.91425	0.1185745	0.28123783	2.3072088	21	12 1.8	18.7
172442 2003 QC_{48}	17.1	X	53.53316	72.01604	240.39965	5.99561	0.1387261	0.28101722	2.3084161	21	11 23.7	19.8
172443 2003 QX_{52}	17.2	X	111.59189	259.14131	60.26919	2.22691	0.1425795	0.29164977	2.2519649	21	—	—
172444 2003 QN_{55}	16.7	X	332.97153	273.31360	72.49559	3.22722	0.2242676	0.27241991	2.3567317	21	8 13.7	18.2
172445 2003 QM_{57}	16.7	X	25.17624	326.02393	48.63465	1.57311	0.2217444	0.28441885	2.2899736	21	—	—
172446 2003 QN_{58}	16.9	X	267.01143	346.35009	65.02123	2.49238	0.1760034	0.27009966	2.3702093	21	7 28.4	19.8
172447 2003 QX_{59}	16.3	X	7.39348	291.28340	29.07053	6.72436	0.1467224	0.27397447	2.3478084	21	9 24.7	18.3
172448 2003 QX_{61}	16.5	X	333.91738	271.34750	109.33871	3.31670	0.2355714	0.27394031	2.3480036	21	10 21.5	17.8
172449 2003 QN_{65}	17.3	X	317.99719	304.92269	57.71705	3.16292	0.2023609	0.27230353	2.3574032	21	8 7.6	19.1
172450 2003 QR_{78}	16.0	X	355.78673	108.45176	253.73237	3.99826	0.2519264	0.27500085	2.3419630	21	11 18.7	17.6
172451 2003 QV_{79}	16.7	X	225.87412	212.69456	36.99818	9.12843	0.2739004	0.30270372	2.1968018	21	—	—
172452 2003 QB_{93}	16.7	X	70.84624	264.40679	48.96172	6.10907	0.1696666	0.28402002	2.2921168	21	12 18.7	20.0
172453 2003 QD_{93}	16.6	X	43.75106	267.35199	44.61922	6.69133	0.1280365	0.27926823	2.3180441	21	11 8.1	19.3
172454 2003 QR_{101}	16.2	X	40.44299	306.15334	87.57238	7.24466	0.0756992	0.28813633	2.2702344	21	—	—
172455 2003 QT_{107}	16.8	X	79.01907	39.93549	269.46951	4.08713	0.1986718	0.28440389	2.2900538	21	12 24.8	20.1
172456 2003 RW	16.4	X	100.27039	60.92089	240.84373	5.80155	0.1246252	0.28565278	2.2833741	21	12 30.5	19.8
172457 2003 RU_{1}	16.9	X	50.93419	260.16608	70.86289	2.20305	0.2354097	0.28196908	2.3032181	21	12 27.8	20.1
172458 2003 RF_{4}	16.5	X	8.80082	252.76734	96.88852	5.51538	0.1345364	0.27803843	2.3248744	21	11 10.1	18.8
172459 2003 RO_{5}	16.5	X	307.24434	335.19285	24.00462	2.99561	0.1906597	0.26871640	2.3783363	21	7 11.4	18.9
172460 2003 RT_{11}	17.1	X	308.87779	84.77036	357.56370	4.08734	0.1566769	0.28003394	2.3138166	21	11 30.9	19.1
172461 2003 SE_{4}	17.1	X	240.74844	96.00528	6.09583	1.51376	0.1424707	0.27076061	2.3663504	21	9 8.2	20.2
172462 2003 SF_{4}	17.1	X	289.31903	353.95679	4.62435	1.17572	0.2001254	0.26577965	2.3958239	21	6 8.6	19.9
172463 2003 SO_{6}	16.5	X	349.08180	42.20708	301.54029	1.60963	0.2209133	0.27385755	2.3484766	21	9 24.5	17.7
172464 2003 SQ_{10}	17.4	X	256.27262	230.24195	235.10165	1.88110	0.1847236	0.27301394	2.3533119	21	9 25.5	20.2
172465 2003 SV_{10}	17.1	X	247.48697	97.83937	324.75209	1.69660	0.1886696	0.26604612	2.3942239	21	7 17.7	20.4
172466 2003 SN_{17}	16.2	X	0.76370	123.14346	205.83082	4.28856	0.2502755	0.27401012	2.3476048	21	10 4.9	17.5
172467 2003 SZ_{22}	16.3	X	335.63332	114.35877	272.52927	3.06762	0.1859467	0.27561532	2.3384808	21	11 1.1	18.1
172468 2003 SE_{37}	16.4	X	318.94326	55.53786	324.73234	6.54357	0.1141757	0.27376256	2.3490198	21	9 14.8	18.6
172469 2003 SF_{45}	16.5	X	353.50810	336.14654	29.41730	2.95693	0.2570024	0.27656543	2.3331220	21	11 19.9	18.0
172470 2003 SY_{45}	16.4	X	277.75975	314.03925	91.36074	3.73855	0.1255048	0.26979672	2.3719832	21	8 13.2	19.2
172471 2003 SW_{46}	16.4	X	300.32426	165.75714	234.07273	1.43892	0.2186224	0.27164300	2.3612232	21	8 25.2	18.4
172472 2003 SM_{52}	16.5	X	327.67261	253.78804	92.38497	3.24394	0.1797908	0.26992213	2.3712484	21	8 4.7	18.2
172473 2003 SB_{55}	16.6	X	37.89792	60.79648	314.67608	5.48310	0.1422128	0.28480338	2.2879119	21	—	—
172474 2003 ST_{70}	16.4	X	36.86411	113.02735	296.60940	7.25070	0.1129949	0.29022950	2.2593058	21	—	—
172475 2003 SA_{76}	17.1	X	303.70791	207.42016	134.68882	1.80934	0.1905319	0.26645733	2.3917600	21	6 8.4	19.6
172476 2003 SR_{79}	16.2	X	309.51561	44.31957	317.63396	5.45202	0.1276148	0.26904857	2.3763783	21	7 30.6	18.6
172477 2003 SM_{86}	16.1	X	352.26253	102.93277	244.52399	5.96772	0.1331396	0.27333491	2.3514693	21	9 29.6	18.3
172478 2003 SM_{87}	16.9	X	272.90763	283.26324	68.19983	4.21627	0.1441270	0.26323565	2.4112352	21	5 17.1	19.9
172479 2003 SL_{95}	17.0	X	36.81813	53.10651	324.16563	5.00502	0.1768684	0.28387117	2.2929180	21	—	—
172480 2003 SE_{97}	16.7	X	257.90620	328.50097	48.22068	2.70448	0.2154565	0.26227860	2.4170974	21	5 24.8	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
172481 2003 SN_{103}	16.6	X	321.78758	249.29664	107.67566	0.93230	0.1702825	0.26982434	2.3718213	21	8 9.9	18.6
172482 2003 SS_{104}	16.3	X	277.80854	348.49206	354.02232	6.54087	0.1378596	0.26160418	2.4212498	21	5 9.3	19.6
172483 2003 SA_{108}	16.4	X	324.70421	105.64938	233.59121	7.10471	0.1775775	0.26811462	2.3818938	21	7 14.4	18.7
172484 2003 SC_{108}	16.6	X	9.66484	177.08847	293.89519	4.72019	0.0854212	0.29189233	2.2507172	21	—	—
172485 2003 ST_{117}	16.2	X	352.85688	46.75652	270.23853	6.07226	0.1260180	0.26972524	2.3724023	21	8 12.2	18.5
172486 2003 SO_{120}	16.8	X	300.92523	118.41541	23.39554	4.17976	0.1222916	0.28897157	2.2658577	21	—	—
172487 2003 SP_{130}	16.3	X	344.04971	186.40491	310.04204	9.61524	0.0878986	0.29476987	2.2360456	21	—	—
172488 2003 ST_{131}	17.2	X	228.95909	248.15251	196.18557	1.75508	0.1867570	0.26430539	2.4047247	21	7 26.5	20.7
172489 2003 SV_{138}	16.4	X	328.47348	178.82437	249.77048	4.78813	0.1346865	0.27859856	2.3217572	21	12 21.0	18.5
172490 2003 SV_{139}	17.1	X	333.13008	167.12061	286.96868	1.21421	0.1181566	0.28500192	2.2868492	21	—	—
172491 2003 SF_{142}	16.5	X	92.51320	37.99996	258.25784	6.99546	0.1824352	0.28478823	2.2879930	21	12 19.8	20.0
172492 2003 SL_{146}	16.0	X	263.96086	139.61716	291.94849	4.55955	0.1739806	0.26830558	2.3807635	21	8 20.0	19.0
172493 2003 SB_{151}	16.1	X	19.81092	276.36229	71.54509	7.72129	0.1854597	0.27893321	2.3198998	21	12 2.6	18.3
172494 2003 SH_{151}	16.5	X	6.88426	244.34533	79.44984	7.34311	0.1388677	0.27358618	2.3500293	21	9 30.6	18.8
172495 2003 SR_{155}	16.4	X	307.40965	63.79916	0.86179	7.34986	0.0823327	0.27582140	2.3373159	21	11 2.5	18.8
172496 2003 SC_{165}	16.7	X	38.90567	317.25302	92.54089	4.32985	0.0458513	0.28788274	2.2715674	21	—	—
172497 2003 SB_{168}	16.5	X	29.82020	309.03451	66.18860	4.73537	0.1911982	0.28443871	2.2898669	21	—	—
172498 2003 SB_{169}	16.2	X	352.24313	316.95701	59.57174	4.80559	0.2553803	0.27735408	2.3286971	21	12 5.3	17.7
172499 2003 SJ_{169}	16.8	X	249.67983	335.85801	64.82469	3.24845	0.1539455	0.26453241	2.4033487	21	6 24.2	20.3
172500 2003 SH_{171}	16.3	X	310.15901	333.85209	32.76630	7.35339	0.1528175	0.26966752	2.3727408	21	8 7.4	18.7
172501 2003 SV_{178}	16.7	X	209.09194	213.91162	221.38171	2.05409	0.2134004	0.26228817	2.4170386	21	6 24.4	20.8
172502 2003 SZ_{180}	16.5	X	278.41868	40.64301	299.46242	5.19528	0.1450525	0.26193268	2.4192250	21	5 6.1	19.7
172503 2003 SK_{184}	16.5	X	324.85311	140.20133	10.00584	4.66557	0.0611584	0.29293320	2.2453824	21	—	—
172504 2003 SW_{190}	16.9	X	267.30510	328.58362	127.96643	1.07625	0.0812471	0.27539861	2.3397074	21	10 17.9	19.5
172505 Kimberlyespy	16.4	X	79.54744	243.92045	102.86393	6.16559	0.1713360	0.28619785	2.2804741	21	—	—
172506 2003 SB_{204}	17.0	X	153.51253	161.99577	212.52551	0.76591	0.1009000	0.30085726	2.2057810	21	2 1.0	19.7
172507 2003 SH_{208}	16.5	X	279.90100	89.79065	217.99559	5.68790	0.1315328	0.26031524	2.4292357	21	3 27.8	19.8
172508 2003 SU_{212}	16.3	X	193.71543	333.85699	80.25581	8.98324	0.2363758	0.25815184	2.4427887	21	5 16.9	20.5
172509 2003 SS_{218}	15.9	X	141.62073	33.00333	223.94825	13.40765	0.0746113	0.22207914	2.7006245	21	12 5.6	20.0
172510 2003 ST_{224}	16.5	X	332.62577	263.35016	68.08152	5.50284	0.1653702	0.26820351	2.3813674	21	7 24.2	18.6
172511 2003 SZ_{224}	16.4	X	227.14031	250.47726	170.99626	4.39875	0.1104322	0.26179379	2.4200806	21	6 30.9	19.9
172512 2003 SN_{231}	16.5	X	30.28061	251.27078	51.58784	5.12471	0.1119532	0.27465779	2.3439127	21	10 4.6	19.0
172513 2003 SU_{241}	17.5	X	242.75750	31.86789	73.83650	1.06316	0.1892176	0.27080385	2.3660985	21	9 9.5	20.7
172514 2003 SV_{242}	17.2	X	162.89489	54.91317	52.06235	2.74934	0.1364919	0.25787718	2.4445229	21	6 22.9	21.0
172515 2003 SC_{247}	16.6	X	261.24522	2.13587	16.16957	1.25333	0.1832779	0.26309742	2.4120797	21	6 3.2	20.1
172516 2003 SN_{247}	16.9	X	338.03810	292.57270	39.35377	1.87517	0.1973200	0.26986054	2.3716092	21	8 3.9	18.6
172517 2003 SQ_{247}	17.2	X	211.54847	277.86915	26.05708	4.11883	0.1529347	0.30177745	2.2012947	21	1 8.3	20.4
172518 2003 SD_{251}	16.5	X	64.79028	236.93171	51.22133	2.98567	0.1904416	0.27653310	2.3333039	21	11 11.4	19.7
172519 2003 SQ_{255}	16.8	X	265.22350	72.28493	4.07910	2.34177	0.1603170	0.26876275	2.3780629	21	9 1.9	19.8
172520 2003 SL_{261}	17.4	X	352.36152	75.30847	231.77289	2.69080	0.1601252	0.26843794	2.3799808	21	7 27.2	19.2
172521 2003 SG_{266}	17.4	X	338.08532	105.36587	312.13981	0.60585	0.1443129	0.27936720	2.3174966	21	12 24.3	19.2
172522 2003 SP_{269}	16.9	X	329.74517	274.57810	65.78866	3.04895	0.2149993	0.26966951	2.3727291	21	7 26.0	18.5
172523 2003 SO_{291}	17.0	X	287.24305	275.37599	67.89449	2.06626	0.2156110	0.26212636	2.4180332	21	5 13.4	20.2
172524 2003 SK_{310}	17.2	X	332.62766	249.39864	84.40169	2.44992	0.1954604	0.26938668	2.3743895	21	7 23.9	19.0
172525 Adamblock	16.2	X	329.91971	9.17188	25.86214	3.79490	0.0182780	0.27405945	2.3473231	21	10 30.5	19.0
172526 Carolinegarcia	16.9	X	286.88407	26.06567	58.73966	6.25939	0.2042836	0.27337001	2.3512680	21	10 14.9	19.0
172527 2003 TT_{4}	16.5	X	204.84847	262.71312	245.20445	8.29148	0.0920451	0.27186103	2.3599606	21	9 29.5	20.0
172528 2003 TL_{13}	16.0	X	183.65516	261.38877	164.52338	18.02692	0.2108052	0.25326370	2.4741200	21	5 25.6	20.5
172529 2003 TK_{26}	16.4	X	276.63598	357.42873	69.85362	8.15424	0.0783435	0.27259415	2.3557274	21	9 24.6	19.2
172530 2003 TF_{50}	16.2	X	101.54639	230.06171	57.00943	5.56819	0.1636494	0.28265987	2.2994640	21	12 15.1	19.6
172531 2003 TW_{57}	16.6	X	319.71158	182.29059	136.49984	5.74708	0.1730526	0.26428647	2.4048395	21	6 5.0	19.0
172532 2003 UN_{8}	16.6	X	219.30724	33.76516	38.63957	10.48711	0.2173939	0.25990409	2.4317969	21	6 29.8	20.7
172533 2003 UO_{9}	17.0	X	230.59100	203.98924	258.13117	0.50025	0.1401174	0.26760044	2.3849439	21	8 26.5	20.2
172534 2003 UT_{11}	16.8	X	60.13070	239.03638	80.33175	10.81779	0.2681075	0.28028265	2.3124476	21	12 25.2	20.2
172535 2003 UV_{21}	16.0	X	8.38258	68.12090	275.58250	9.24672	0.2399299	0.27474086	2.3434402	21	11 12.7	18.1
172536 2003 UM_{26}	17.2	X	235.96042	245.82977	127.42841	3.83092	0.2245480	0.25820352	2.4424627	21	4 30.9	21.2
172537 2003 UH_{27}	16.7	X	151.18593	216.63512	115.71161	6.18641	0.1709079	0.29492851	2.2352437	21	—	—
172538 2003 UZ_{36}	16.2	X	235.93393	120.52979	313.08660	6.09920	0.0805688	0.26391126	2.4071183	21	8 1.4	19.4
172539 2003 UP_{37}	16.1	X	243.57187	92.91931	325.74992	6.03464	0.0999182	0.26272768	2.4143422	21	7 19.5	19.3
172540 2003 UV_{40}	16.3	X	246.13189	42.67031	33.05403	5.64939	0.0652051	0.26537236	2.3982747	21	8 22.8	19.4
172541 2003 UM_{48}	16.6	X	318.33486	328.79425	92.52304	6.72168	0.1033997	0.27490975	2.3424803	21	11 20.3	18.9
172542 2003 UU_{48}	16.7	X	92.28054	220.23016	156.39905	6.46001	0.3044589	0.23537810	2.5979175	21	—	—
172543 2003 UX_{49}	16.4	X	186.70385	253.89800	87.60603	11.49901	0.1978236	0.24570473	2.5246066	21	2 13.8	20.7
172544 2003 UX_{52}	15.8	X	356.49786	6.66520	347.54735	8.81812	0.1912014	0.27375694	2.3490520	21	10 24.5	17.8
172545 2003 UX_{53}	16.5	X	279.44478	56.55182	331.93256	5.62510	0.1139084	0.26479118	2.4017826	21	7 23.6	19.5
172546 2003 UH_{56}	16.5	X	63.62697	256.84782	102.27249	6.98860	0.1569198	0.28449645	2.2895571	21	—	—
172547 2003 UU_{60}	16.4	X	148.66153	218.90255	101.95781	5.96801	0.2460169	0.29547669	2.2324782	21	—	—
172548 2003 UA_{80}	16.4	X	243.40790	242.63428	121.24631	6.10712	0.1310421	0.25739134	2.4475980	21	5 3.9	20.1
172549 2003 UR_{88}	15.7	X	177.60857	242.92728	89.29415	15.46720	0.1243719	0.24086172	2.5583357	21	1 19.1	19.6
172550 2003 UC_{92}	16.7	X	280.53167	46.98530	62.66483	9.06235	0.1507774	0.27633620	2.3344121	21	11 17.0	18.9
172551 2003 UC_{94}	15.6	X	66.55998	82.43503	213.93282	13.76324	0.1212256	0.22126471	2.7072474	21	11 7.2	19.3
172552 2003 UL_{95}	16.8	X	199.71217	44.07459	26.97457	2.94620	0.1090838	0.25922066	2.4360693	21	6 13.4	20.5
172553 2003 UX_{100}	16.5	X	176.46997	291.19063	229.40945	5.92483	0.0539613	0.27043632	2.3682418	21	9 16.3	19.7
172554 2003 UR_{104}	16.7	X	216.24828	120.46457	357.38842	5.79883	0.0712723	0.26887347	2.3774100	21	9 8.9	19.8
172555 2003 US_{109}	16.2	X	172.75794	94.98598	250.41923	13.87200	0.1595928	0.24312691	2.5424204	21	1 27.1	20.4
172556 2003 UZ_{112}	16.6	X	345.21143	235.59127	72.39487	8.28219	0.2388557	0.26730356	2.3867095	21	7 6.5	18.0
172557 2003 UC_{116}	16.5	X	227.16255	112.81125	349.79308	6.54022	0.0895808	0.26874929	2.3781423	21	8 30.5	19.7
172558 2003 UM_{133}	16.5	X	313.81852	16.39302	106.36492	7.27406	0.0509772	0.28438821	2.2901380	21	—	—
172559 2003 UZ_{133}	15.9	X	206.92439	160.62944	274.13723	7.94841	0.2083405	0.25949899	2.4343271	21	6 22.2	19.9
172560 2003 UU_{134}	16.5	X	316.21910	49.88871	286.35733	4.41355	0.1445720	0.26388738	2.4072635	21	6 29.6	18.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
172561 2003 UW_{134}	16.2	X	200.74167	159.06094	256.85159	5.58136	0.1229707	0.25582193	2.4575981	21	5 25.1	20.0
172562 2003 UM_{147}	15.9	X	114.22345	298.81924	66.48632	10.39631	0.1202128	0.23501043	2.6006264	21	—	—
172563 2003 UO_{149}	16.6	X	149.64583	275.35030	45.93540	6.18264	0.2565788	0.23986306	2.5654318	21	—	—
172564 2003 UU_{161}	16.4	X	123.11505	176.99859	175.58751	5.35881	0.2041448	0.23799319	2.5788517	21	—	—
172565 2003 UZ_{164}	18.0	X	204.29816	12.92865	6.24780	2.11755	0.2002615	0.25343542	2.4730022	21	4 10.7	22.1
172566 2003 UH_{165}	16.5	X	21.92689	89.44930	211.34060	4.32936	0.2695910	0.27158964	2.3615325	21	10 10.7	18.6
172567 2003 UX_{166}	16.2	X	201.88930	15.82789	190.91750	2.09547	0.1752546	0.28186699	2.3037742	21	12 8.5	19.5
172568 2003 UB_{171}	17.3	X	222.35203	22.74646	25.21049	2.63304	0.1195595	0.25913897	2.4365812	21	6 6.5	20.8
172569 2003 UB_{175}	17.4	X	290.69966	356.15506	87.98382	2.29910	0.1547028	0.27359563	2.3499752	21	10 27.7	19.5
172570 2003 UX_{178}	17.3	X	220.07021	41.19207	46.15259	2.82858	0.1656325	0.26319890	2.4114597	21	7 24.4	21.0
172571 2003 UD_{179}	16.7	X	337.73495	63.54211	40.58999	4.81848	0.0875239	0.28480450	2.2879059	21	—	—
172572 2003 UJ_{190}	16.5	X	357.61214	237.13555	62.20511	4.96983	0.1402521	0.26525192	2.3990006	21	7 28.8	18.6
172573 2003 UL_{201}	17.0	X	198.49011	4.23807	65.19614	2.27032	0.1731038	0.25732089	2.4480447	21	6 8.7	20.8
172574 2003 UA_{207}	16.5	X	273.13915	34.69625	21.05179	4.55856	0.1388262	0.26546701	2.3977046	21	8 19.7	19.4
172575 2003 UO_{222}	16.6	X	18.70254	24.53308	343.98954	3.15028	0.1533310	0.27720823	2.3295139	21	12 24.1	19.1
172576 2003 UK_{229}	16.3	X	171.30437	180.21361	257.23017	5.25202	0.0591346	0.25478966	2.4642316	21	5 20.0	19.7
172577 2003 UF_{240}	16.9	X	217.71327	189.65570	268.11300	0.63458	0.1555295	0.26366643	2.4086081	21	8 4.8	20.3
172578 2003 UR_{246}	16.6	X	343.31297	16.09726	68.21145	3.97887	0.1423287	0.28010862	2.3134053	21	—	—
172579 2003 UC_{249}	15.7	X	71.15888	63.65122	218.34921	16.29192	0.0466376	0.21819496	2.7325801	21	10 12.1	19.6
172580 2003 UQ_{249}	16.5	X	215.31233	224.99055	192.40871	5.16561	0.0491604	0.25801904	2.4436268	21	6 16.6	19.8
172581 2003 UC_{250}	16.3	X	100.67578	268.56995	248.31703	5.37229	0.0635854	0.25592025	2.4569686	21	6 9.1	19.3
172582 2003 UE_{252}	17.1	X	251.89251	238.98368	206.26829	1.83803	0.1599658	0.26717762	2.3874594	21	8 26.1	20.1
172583 2003 UZ_{264}	16.6	X	180.72036	231.71989	131.81712	4.26827	0.2247876	0.24620633	2.5211764	21	3 6.0	20.9
172584 2003 UO_{267}	16.3	X	271.51867	14.19318	53.42801	4.11031	0.1143133	0.26744466	2.3858699	21	9 8.0	19.1
172585 2003 UR_{271}	17.1	X	207.80336	33.91765	51.36843	3.15644	0.1686364	0.26033685	2.4291013	21	7 8.8	20.8
172586 2003 UR_{274}	16.2	X	198.04553	193.05083	240.29425	5.15766	0.1021531	0.25862830	2.4397876	21	6 15.1	19.6
172587 2003 UW_{275}	15.8	X	118.37615	355.48608	52.64069	19.24621	0.1731380	0.24142548	2.5543514	21	3 6.5	19.7
172588 2003 UJ_{282}	16.7	X	13.12035	339.85429	113.03365	5.80898	0.1161858	0.28641116	2.2793416	21	—	—
172589 2003 UM_{282}	16.2	X	305.62606	255.13764	125.82578	5.48065	0.0811755	0.26602454	2.3943534	21	8 29.2	18.7
172590 2003 UK_{283}	16.6	X	304.06560	95.71884	271.83091	7.08935	0.2912744	0.26688926	2.3891788	21	6 28.7	18.9
172591 2003 UP_{290}	17.1	X	204.64132	138.99589	12.85766	2.45588	0.1394945	0.26845042	2.3799070	21	10 3.4	20.3
172592 2003 UD_{298}	17.1	X	117.09058	245.67464	280.19915	0.79889	0.0940237	0.26055754	2.4277294	21	7 17.6	20.3
172593 Vörösmarty	15.9	X	98.77426	342.93860	52.64165	14.63300	0.1297811	0.23126279	2.6286467	21	1 7.8	19.3
172594 2003 WL_{8}	16.5	X	227.25275	143.36495	321.80997	5.87759	0.0814671	0.26547273	2.3976702	21	9 1.8	19.8
172595 2003 WS_{16}	17.2	X	253.25894	293.06008	47.17674	3.29700	0.2024738	0.25556544	2.4592422	21	4 5.9	21.2
172596 2003 WA_{21}	16.2	X	334.33976	56.02945	304.25616	5.15977	0.1377491	0.26811839	2.3818715	21	9 11.8	18.5
172597 2003 WC_{28}	16.0	X	193.83232	211.75800	303.66891	3.07148	0.0708242	0.21264427	2.7799283	21	9 24.7	20.0
172598 2003 WK_{31}	16.3	X	158.81685	221.69960	273.89998	5.28696	0.0596635	0.26132745	2.4229588	21	7 23.3	19.7
172599 2003 WO_{31}	16.1	X	15.49148	327.37351	260.06863	5.28337	0.1015130	0.25474071	2.4645472	21	5 8.4	18.6
172600 2003 WY_{35}	16.2	X	192.12610	32.47035	293.03625	4.38431	0.1058272	0.24157257	2.5533145	21	1 23.1	20.1
172601 2003 WG_{43}	16.8	X	35.82074	71.14679	284.06894	5.11747	0.1281079	0.27900469	2.3195036	21	12 26.3	19.5
172602 2003 WA_{49}	16.4	X	90.01912	173.60861	48.92057	5.52651	0.1181998	0.26506274	2.4001420	21	9 6.7	19.6
172603 2003 WX_{54}	16.6	X	347.30011	94.86228	272.94678	6.62436	0.1420909	0.27165063	2.3611789	21	10 21.7	18.9
172604 2003 WB_{66}	16.4	X	158.34537	123.56579	350.04434	6.40542	0.0715273	0.25527082	2.4611340	21	6 24.1	20.0
172605 2003 WM_{73}	16.1	X	82.59826	125.69452	17.49079	2.65117	0.1384967	0.24574155	2.5243544	21	5 7.1	19.0
172606 2003 WB_{81}	16.7	X	211.05073	86.70251	14.68986	2.68115	0.1561099	0.26030673	2.4292886	21	8 3.6	20.5
172607 2003 WS_{83}	15.8	X	276.74702	214.75875	241.96544	7.87695	0.0508324	0.21958411	2.7210432	21	10 25.3	19.3
172608 2003 WA_{86}	15.0	X	154.93874	43.90782	322.30958	12.34861	0.1902421	0.24070814	2.5594237	21	2 11.9	19.0
172609 2003 WA_{87}	15.7	X	294.25294	139.48085	279.85562	23.30676	0.1634799	0.26811820	2.3818725	21	9 5.9	19.0
172610 2003 WN_{95}	16.4	X	43.97888	136.84377	197.71354	2.56131	0.1898154	0.22093831	2.7099131	21	12 7.1	20.0
172611 2003 WD_{99}	15.0	X	172.99781	30.63957	246.76575	32.30059	0.1742316	0.23116548	2.6293843	21	—	—
172612 2003 WN_{99}	15.8	X	88.66218	0.21268	99.86182	13.84373	0.0331802	0.24530793	2.5273283	21	3 8.2	19.3
172613 2003 WE_{101}	16.7	X	196.57283	316.71512	308.90421	6.69826	0.1354681	0.28987348	2.2611553	21	—	—
172614 2003 WY_{119}	16.6	X	16.42090	103.01697	292.41535	2.18154	0.1660335	0.27840168	2.3228517	21	—	—
172615 2003 WB_{132}	16.5	X	205.12335	77.38599	71.08040	5.59323	0.0195958	0.26869120	2.3784850	21	10 14.4	19.5
172616 2003 WX_{137}	16.1	X	151.57717	331.35694	69.06393	2.64784	0.2103135	0.24444737	2.5332564	21	3 25.4	20.1
172617 2003 WG_{139}	16.2	X	122.11839	191.79366	264.98984	10.01577	0.0531800	0.24586387	2.5235170	21	4 10.5	19.8
172618 2003 WH_{139}	15.3	X	85.89439	272.68335	70.95688	16.04404	0.0978057	0.22441817	2.6818266	21	—	—
172619 2003 WO_{139}	16.0	X	128.87261	342.13339	49.62376	3.79244	0.1573450	0.23887204	2.5725224	21	2 14.6	19.6
172620 2003 WD_{140}	16.2	X	132.89763	298.26250	34.67690	2.00067	0.1612673	0.23291292	2.6162164	21	—	—
172621 2003 WO_{141}	15.8	X	87.99383	216.43264	259.11572	14.13622	0.0693233	0.24163463	2.5528773	21	3 20.2	19.4
172622 2003 WY_{144}	16.5	X	13.90151	263.21928	235.38219	3.77988	0.0782471	0.23693752	2.5865060	21	1 4.9	19.6
172623 2003 WW_{158}	16.8	X	158.85278	14.88885	242.33332	2.12435	0.0684925	0.28052936	2.3110917	21	—	—
172624 2003 WR_{159}	15.0	X	331.11317	232.51305	296.39477	11.76196	0.2001234	0.22477068	2.6790220	21	—	—
172625 2003 WF_{174}	15.9	X	288.30353	310.04701	219.78588	16.68174	0.1521274	0.23008614	2.6376009	21	—	—
172626 2003 XY_{4}	15.4	X	196.42006	63.61491	310.33397	12.63008	0.2160064	0.24538714	2.5267844	21	3 23.4	20.0
172627 2003 XP_{10}	15.1	X	54.98798	320.54632	103.87860	26.94242	0.0748500	0.22768263	2.6561308	21	—	—
172628 2003 XD_{16}	16.1	X	339.06622	251.18146	63.53220	7.39991	0.1273350	0.26030080	2.4293255	21	7 13.6	18.5
172629 2003 XD_{17}	15.7	X	38.49904	179.20073	227.00826	3.48725	0.2165670	0.22738634	2.6584376	21	—	—
172630 2003 XJ_{17}	16.0	X	240.60033	194.91149	91.08124	11.12121	0.1458255	0.24034153	2.5620258	21	1 23.2	20.1
172631 2003 XX_{20}	16.0	X	297.67238	324.47901	266.99627	12.33162	0.0327417	0.23895852	2.5719018	21	1 24.3	19.7
172632 2003 XV_{29}	16.5	X	234.28998	226.23667	59.48659	7.25534	0.1828758	0.24066494	2.5597300	21	1 16.3	20.8
172633 2003 YU_{7}	16.7	X	96.45672	320.46435	268.44911	4.20692	0.0753844	0.25902914	2.4372699	21	9 11.8	20.1
172634 2003 YY_{13}	15.4	X	116.06698	312.56899	91.50175	22.93095	0.1208828	0.23434892	2.6055180	21	2 13.6	19.2
172635 2003 YV_{14}	15.2	X	180.66808	260.49466	64.16176	12.57626	0.3000507	0.23711704	2.5852003	21	1 25.3	20.0
172636 2003 YZ_{14}	15.5	X	119.90266	28.24863	314.76252	10.91705	0.1899485	0.22941438	2.6427472	21	—	—
172637 2003 YK_{21}	16.1	X	63.91973	47.78222	314.50087	3.59927	0.1967306	0.22151253	2.7052279	21	—	—
172638 2003 YM_{21}	15.0	X	245.05152	152.37598	97.33482	8.72392	0.1188022	0.17022845	3.2243928	21	—	—
172639 2003 YP_{37}	17.0	X	306.86904	115.37059	73.77238	4.38802	0.0873991	0.29065236	2.2571139	21	—	—
172640 2003 YY_{44}	16.4	X	91.30759	233.08538	111.70497	8.38073	0.1405030	0.28467279	2.2886115	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
172641 2003 YJ_{46}	16.0	X	26.18632	98.17158	72.69672	12.66597	0.0667126	0.23951422	2.5679221	21	3 17.1	19.3
172642 2003 YA_{47}	16.2	X	108.60274	142.00929	225.47787	2.12577	0.0607074	0.23164086	2.6257856	21	—	—
172643 2003 YY_{47}	16.1	X	219.13814	59.43665	282.31300	1.08776	0.1283304	0.24555120	2.5256588	21	3 10.1	19.9
172644 2003 YA_{48}	16.1	X	53.93866	94.55653	62.01676	1.23211	0.0193167	0.24437604	2.5337493	21	3 28.9	19.1
172645 2003 YU_{52}	16.3	X	186.07309	122.57504	323.87469	7.05825	0.0286705	0.25488321	2.4636286	21	6 20.2	19.6
172646 2003 YK_{54}	15.8	X	216.46002	48.50821	257.05750	4.71702	0.1833561	0.24174605	2.5520928	21	1 22.6	20.1
172647 2003 YC_{56}	16.2	X	147.79986	48.34256	90.92879	7.72619	0.0482403	0.25578277	2.4578490	21	7 15.1	19.4
172648 2003 YM_{56}	16.4	X	192.14437	32.56749	99.83106	3.07240	0.1560931	0.25981840	2.4323316	21	8 25.6	20.1
172649 2003 YO_{58}	15.6	X	331.46319	294.28403	264.13000	13.91138	0.0444677	0.23606952	2.5928423	21	1 23.7	19.2
172650 2003 YV_{66}	15.4	X	40.31040	166.37954	295.74555	14.07506	0.1559044	0.22925252	2.6439910	21	—	—
172651 2003 YM_{71}	15.9	X	292.70195	101.41639	49.76755	3.07582	0.0522708	0.22434573	2.6824039	21	—	—
172652 2003 YE_{77}	16.3	X	186.75018	180.03533	313.01814	4.74059	0.1567028	0.25816201	2.4427245	21	8 19.3	20.1
172653 2003 YO_{77}	16.4	X	128.24895	80.78642	329.93066	3.07547	0.1433097	0.23971244	2.5665063	21	3 5.8	20.0
172654 2003 YL_{80}	15.7	X	239.88731	128.90381	92.08959	14.23147	0.0715641	0.22254063	2.6968896	21	—	—
172655 2003 YX_{80}	16.4	X	97.42389	46.79408	59.25530	4.40134	0.1183857	0.23947216	2.5682228	21	4 6.9	19.6
172656 2003 YD_{82}	15.3	X	298.72343	118.21972	91.42854	13.13722	0.2282401	0.22739819	2.6583452	21	—	—
172657 2003 YH_{82}	16.1	X	49.86868	105.69138	47.98899	3.46543	0.0732763	0.23920835	2.5701107	21	3 24.9	19.1
172658 2003 YV_{83}	15.9	X	350.03527	354.73038	36.66486	2.47847	0.0865279	0.21806080	2.7337008	21	11 16.7	19.1
172659 2003 YW_{92}	16.9	X	300.38151	130.89648	327.59628	2.02660	0.1290578	0.27332485	2.3515270	21	12 8.7	19.1
172660 2003 YE_{94}	16.2	X	343.85933	53.87616	81.69328	3.94551	0.1273847	0.22499891	2.6772100	21	—	—
172661 2003 YE_{96}	16.5	X	268.04444	262.41189	125.93567	3.13956	0.0905984	0.25884536	2.4384235	21	7 9.4	19.5
172662 2003 YX_{97}	16.4	X	94.11327	323.30853	122.98167	2.72122	0.0413016	0.23927122	2.5696605	21	2 22.1	19.7
172663 2003 YP_{101}	15.5	X	356.61945	90.31036	98.52030	14.32157	0.1027249	0.23297233	2.6157716	21	2 17.6	18.7
172664 2003 YA_{103}	15.8	X	354.66979	355.20447	180.04812	3.85571	0.1697134	0.23262632	2.6183647	21	1 13.4	18.8
172665 2003 YE_{103}	15.6	X	17.37397	259.49482	282.95048	21.34319	0.0150533	0.23890666	2.5722739	21	2 27.9	19.5
172666 2003 YB_{113}	15.7	X	343.55524	59.59378	69.32432	9.44246	0.0471775	0.22584040	2.6705556	21	—	—
172667 2003 YY_{113}	15.7	X	34.42934	54.69366	89.40318	14.67486	0.0861092	0.23686006	2.5870699	21	2 19.5	18.9
172668 2003 YT_{115}	15.4	X	179.78983	285.67223	46.07436	7.83446	0.2079332	0.23564196	2.5959777	21	1 28.3	19.8
172669 2003 YR_{118}	16.1	X	133.22202	10.78974	46.23334	6.05792	0.1264888	0.24017791	2.5631892	21	3 20.6	19.7
172670 2003 YD_{119}	15.3	X	351.66958	34.45631	84.44047	14.80040	0.1116128	0.22619707	2.6677476	21	—	—
172671 2003 YS_{119}	16.9	X	24.94262	142.60515	337.44127	3.98523	0.2294079	0.22994684	2.6386660	21	—	—
172672 2003 YV_{125}	15.4	X	339.91020	6.73774	48.41140	14.38964	0.1404555	0.21921694	2.7240807	21	12 3.4	18.3
172673 2003 YH_{126}	15.0	X	149.57979	266.23964	50.64108	13.44252	0.2087869	0.23057633	2.6338613	21	—	—
172674 2003 YW_{130}	15.5	X	278.92241	145.25444	76.83961	14.54947	0.0884561	0.23015715	2.6370583	21	—	—
172675 2003 YM_{134}	15.7	X	55.35999	335.21087	72.63200	13.46865	0.1691657	0.22622952	2.6674924	21	—	—
172676 2003 YD_{136}	16.1	X	345.14314	209.08575	91.99823	13.74347	0.0622023	0.25653502	2.4530418	21	7 6.9	18.7
172677 2003 YA_{137}	15.0	X	153.91497	146.87005	294.34532	9.32868	0.0807001	0.19108499	2.9852795	21	5 7.5	19.6
172678 2003 YM_{137}	18.7	X	43.73744	127.24601	77.04617	2.70153	0.6894197	0.23578819	2.5949043	21	9 7.2	22.5
172679 2003 YW_{137}	16.2	X	47.76268	163.07222	285.86947	4.09355	0.0400200	0.22943596	2.6425815	21	—	—
172680 2003 YK_{138}	15.8	X	351.46248	128.70110	314.42265	4.00637	0.0851444	0.21915134	2.7246243	21	—	—
172681 2003 YR_{146}	16.0	X	95.89546	52.26427	119.13915	25.55595	0.1827986	0.24338111	2.5406498	21	7 11.4	19.6
172682 2003 YD_{147}	15.7	X	294.94174	229.50448	322.00369	12.25823	0.1865569	0.22919556	2.6444290	21	—	—
172683 2003 YX_{148}	15.9	X	358.97242	60.78828	64.52051	15.64029	0.1071059	0.22735485	2.6586830	21	—	—
172684 2003 YQ_{149}	15.7	X	27.87095	337.81681	47.96072	12.42371	0.1198064	0.21854518	2.7296600	21	—	—
172685 2003 YG_{155}	15.4	X	332.35052	78.62116	54.52004	13.33062	0.1067249	0.22275690	2.6951438	21	—	—
172686 2003 YR_{155}	15.6	X	115.77765	221.08509	192.97067	10.30270	0.2361669	0.23730763	2.5838160	21	3 6.9	19.4
172687 2003 YQ_{162}	15.9	X	31.12454	60.34925	49.84271	12.01646	0.1447553	0.23089045	2.6314719	21	—	—
172688 2003 YY_{163}	17.0	X	37.63406	31.23432	63.16869	3.55826	0.0726740	0.23276392	2.6173328	21	—	—
172689 2003 YQ_{169}	16.2	X	218.45994	77.03316	326.59909	5.61888	0.1100601	0.25221666	2.4809625	21	5 27.4	19.9
172690 2003 YC_{175}	16.0	X	133.01079	236.95720	92.31668	6.61235	0.1139535	0.22442802	2.6817482	21	—	—
172691 2003 YG_{175}	16.6	X	128.29017	275.04051	65.18373	3.53737	0.0200521	0.22448926	2.6812605	21	—	—
172692 2004 AR_{5}	15.8	X	50.61938	125.19127	267.28873	11.71385	0.2623294	0.22403401	2.6848916	21	—	—
172693 2004 AV_{5}	15.3	X	178.04954	288.66130	265.50697	11.95715	0.1216642	0.20633192	2.8363410	21	10 20.4	20.0
172694 2004 AZ_{7}	16.1	X	67.94574	11.96308	85.54893	5.36808	0.1682422	0.23316478	2.6143321	21	2 17.1	18.8
172695 2004 BO_{5}	16.0	X	121.70067	2.64118	319.98550	4.40666	0.0563624	0.22038412	2.7144542	21	—	—
172696 2004 BE_{7}	16.3	X	82.53225	239.03716	66.47332	4.19907	0.0603060	0.21270038	2.7794394	21	11 27.5	20.2
172697 2004 BT_{11}	16.7	X	129.73508	23.28887	22.99907	1.23612	0.1825536	0.23723389	2.5843514	21	3 7.9	20.2
172698 2004 BO_{15}	16.7	X	127.53693	207.08857	219.62337	1.11931	0.2136318	0.24026158	2.5625941	21	4 3.1	20.5
172699 2004 BR_{23}	15.7	X	219.82868	76.01574	125.09979	3.63266	0.0885989	0.21249773	2.7812062	21	12 19.1	19.7
172700 2004 BJ_{24}	15.8	X	223.55146	69.31297	285.96126	5.04664	0.2328408	0.24598704	2.5226746	21	3 25.8	20.3
172701 2004 BM_{25}	16.1	X	327.75677	202.84425	298.04513	2.16284	0.1462868	0.22307541	2.6925777	21	—	—
172702 2004 BF_{28}	16.2	X	140.96770	312.24198	108.60266	5.90435	0.1691068	0.23974176	2.5662970	21	4 8.1	20.1
172703 2004 BE_{29}	16.0	X	352.22055	302.66661	123.71231	5.87043	0.1079681	0.21586761	2.7521857	21	—	—
172704 2004 BS_{31}	16.1	X	321.72674	104.70481	72.65952	3.24167	0.1001443	0.22737222	2.6585476	21	—	—
172705 2004 BK_{32}	16.4	X	86.18325	217.68526	48.54599	2.67515	0.0369927	0.20479905	2.8504762	21	10 10.4	20.4
172706 2004 BQ_{35}	15.7	X	252.79177	24.85495	39.08352	2.47447	0.0156750	0.19891982	2.9063685	21	8 17.4	19.6
172707 2004 BW_{43}	15.5	X	270.25049	112.18012	12.79717	3.56884	0.0482859	0.20962853	2.8065263	21	11 21.2	19.3
172708 2004 BT_{46}	15.5	X	15.42572	225.21940	296.53217	10.56122	0.1274291	0.23192242	2.6236601	21	2 3.9	18.5
172709 2004 BZ_{48}	15.7	X	228.93312	27.99098	140.35504	4.98448	0.0865910	0.21182471	2.7870941	21	11 20.8	19.7
172710 2004 BD_{49}	16.6	X	14.54019	301.98499	114.52949	5.91360	0.1517405	0.22061591	2.7125526	21	—	—
172711 2004 BG_{55}	15.8	X	47.15746	135.88280	302.71989	13.28703	0.0947456	0.22660089	2.6645772	21	—	—
172712 2004 BT_{56}	15.9	X	183.23797	283.68877	239.79096	1.39414	0.1576299	0.20049560	2.8911202	21	9 19.8	20.6
172713 2004 BA_{60}	16.3	X	15.78591	297.67046	273.14834	5.06200	0.2387207	0.23893866	2.5720442	21	4 11.6	18.2
172714 2004 BS_{62}	15.7	X	74.22738	198.17475	97.95886	5.42286	0.0858305	0.20899912	2.8121581	21	11 10.5	19.7
172715 2004 BP_{67}	16.0	X	30.16826	45.52260	298.74563	1.92820	0.0167248	0.20966344	2.8062148	21	11 3.4	19.7
172716 2004 BS_{77}	16.3	X	346.83684	20.46558	83.42869	3.06401	0.0304239	0.22080358	2.7110153	21	—	—
172717 2004 BS_{81}	15.6	X	55.11276	282.85346	81.52956	7.20418	0.0619186	0.21705201	2.7421645	21	—	—
172718 2004 BD_{85}	18.6	X	141.24642	284.41820	267.38587	19.57054	0.2045476	0.48248724	1.6099492	21	9 29.6	21.2
172719 2004 BQ_{89}	15.6	X	330.77313	214.75430	265.25138	6.62899	0.0835654	0.21858584	2.7293216	21	—	—
172720 2004 BO_{93}	15.1	X	54.74619	185.67032	267.78377	21.05773	0.0396962	0.22824616	2.6517570	21	1 6.6	18.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
172721 2004 BH_{101}	16.2	X	350.61564	293.81828	128.71151	3.42303	0.0820671	0.21565579	2.7539876	21	12 27.8	19.5
172722 2004 BV_{102}	17.5	X	57.55927	17.18093	341.30920	7.21961	0.6995020	0.51385850	1.5437383	21	—	—
172723 2004 BL_{108}	15.9	X	152.40874	338.58305	70.54772	4.74850	0.2284133	0.24040241	2.5615932	21	4 8.4	20.0
172724 2004 BR_{111}	15.6	X	60.25826	334.57577	108.99852	15.00586	0.2174229	0.22814609	2.6525324	21	1 18.2	17.8
172725 2004 BG_{112}	16.6	X	102.51357	226.71737	308.30316	9.76483	0.2372316	0.24492846	2.5299380	21	7 29.9	20.4
172726 2004 BK_{114}	16.4	X	129.23797	152.37000	299.68645	5.84547	0.2398954	0.24048988	2.5609721	21	5 7.9	20.5
172727 2004 BF_{118}	16.1	X	109.50690	138.25286	302.67296	14.33275	0.1734764	0.23674937	2.5878762	21	3 19.1	19.9
172728 2004 BN_{119}	15.8	X	71.11275	51.07889	51.82217	14.42477	0.0487876	0.23228208	2.6209511	21	2 21.2	19.4
172729 2004 BF_{120}	15.9	X	216.48063	12.69580	179.93406	3.50851	0.0932382	0.21083683	2.7957933	21	12 4.4	19.9
172730 2004 BL_{120}	15.8	X	341.28830	115.78523	77.63122	12.25387	0.1134223	0.23094188	2.6310812	21	1 28.8	19.2
172731 2004 BY_{120}	15.6	X	314.51529	64.23370	69.72726	14.23348	0.1178316	0.21784589	2.7354985	21	—	—
172732 2004 BZ_{120}	15.3	X	117.14318	68.65189	76.40930	15.81277	0.0604193	0.24446043	2.5331661	21	6 14.1	18.8
172733 2004 BR_{122}	16.1	X	101.30360	176.62385	349.25393	2.91783	0.0522903	0.18579645	3.0416631	21	6 22.2	20.4
172734 Giansimon	15.8	X	349.75045	339.97681	298.20833	7.00285	0.1251475	0.24453040	2.5326828	21	6 6.5	18.4
172735 2004 CF_{3}	15.6	X	64.70722	102.76100	18.51312	10.64045	0.1507762	0.23691551	2.5866662	21	3 14.9	18.4
172736 2004 CA_{8}	16.3	X	22.46117	91.18705	64.15111	8.62820	0.1498903	0.23165781	2.6256576	21	2 12.6	19.1
172737 2004 CD_{9}	16.3	X	110.21599	177.97224	72.88430	3.10220	0.0504766	0.20519121	2.8468432	21	10 21.9	20.4
172738 2004 CF_{12}	15.0	X	82.80450	72.54891	130.85557	10.42941	0.0669287	0.18942701	3.0026735	21	7 18.9	19.1
172739 2004 CT_{23}	15.8	X	70.46345	229.63611	96.34700	6.13113	0.0650033	0.21202539	2.7853352	21	12 9.4	19.7
172740 2004 CZ_{27}	16.0	X	113.36613	310.38667	351.96721	4.00600	0.0595796	0.21485305	2.7608429	21	12 28.9	20.1
172741 2004 CG_{61}	16.2	X	295.59408	0.05170	104.04420	10.95655	0.1688256	0.21301167	2.7767308	21	11 20.8	19.5
172742 2004 CC_{67}	15.8	X	83.21168	331.46739	55.85823	6.67845	0.0387535	0.22166400	2.7039953	21	—	—
172743 2004 CO_{74}	15.9	X	352.36641	141.08847	330.92903	4.32756	0.1138724	0.22065007	2.7122726	21	—	—
172744 2004 CX_{78}	15.9	X	236.02522	53.24431	85.07278	2.05321	0.0425796	0.20538868	2.8450182	21	10 27.2	19.8
172745 2004 CQ_{81}	16.4	X	238.69083	248.89343	12.79622	1.40099	0.0209849	0.22549173	2.6733078	21	—	—
172746 2004 CB_{86}	15.8	X	274.27937	268.60104	151.18041	2.49537	0.0828293	0.20002235	2.8956787	21	8 29.2	19.7
172747 2004 CZ_{88}	16.1	X	12.58083	337.56383	48.72809	4.72284	0.1097438	0.21334692	2.7738212	21	12 15.8	19.5
172748 2004 CX_{96}	15.8	X	300.54241	262.56171	293.78078	7.15550	0.0516381	0.22339412	2.6900161	21	—	—
172749 2004 CB_{98}	15.7	X	350.53782	0.20501	78.08414	13.29235	0.1218127	0.21710363	2.7417298	21	—	—
172750 2004 CE_{98}	15.6	X	281.64399	180.27333	81.46883	13.55863	0.1224524	0.23090607	2.6313532	21	2 9.5	19.6
172751 2004 CJ_{100}	15.7	X	144.50585	140.04077	78.21655	4.65685	0.2539536	0.19879368	2.9075978	21	10 24.9	20.8
172752 2004 CF_{108}	16.1	X	9.02876	118.42853	3.13401	10.08891	0.0582353	0.22479346	2.6788410	21	—	—
172753 2004 CO_{117}	15.9	X	309.78934	147.98685	284.65994	2.45644	0.0699406	0.20980284	2.8049717	21	11 6.9	19.4
172754 2004 DM	15.2	X	194.57600	143.52834	353.53647	10.86060	0.0362100	0.19669949	2.9281988	21	9 5.9	19.3
172755 2004 DV_{6}	15.4	X	89.73155	152.05576	42.16978	0.84033	0.1745431	0.18778613	3.0201398	21	7 31.7	19.8
172756 2004 DJ_{12}	15.8	X	320.26140	119.80579	25.03222	4.47390	0.2025914	0.21833579	2.7314049	21	—	—
172757 2004 DT_{12}	16.2	X	61.03612	127.44314	11.67329	4.57765	0.2130586	0.23387150	2.6090627	21	4 8.9	18.7
172758 2004 DC_{18}	16.3	X	35.85336	74.96911	30.95705	2.82848	0.1156198	0.22561192	2.6723583	21	—	—
172759 2004 DK_{23}	15.7	X	39.76678	314.04025	166.32240	14.02516	0.1121354	0.22614757	2.6681369	21	1 22.7	18.9
172760 2004 DQ_{23}	15.1	X	154.31351	343.56733	148.03300	10.98873	0.0680672	0.18780602	3.0199266	21	7 12.2	19.7
172761 2004 DP_{24}	14.5	X	16.93453	255.40736	333.23115	10.35467	0.0710672	0.18140917	3.0905081	21	5 15.9	18.7
172762 2004 DN_{25}	15.8	X	136.44934	142.10268	135.60275	7.83021	0.1003188	0.21311241	2.7758557	21	12 24.2	20.1
172763 2004 DJ_{32}	16.2	X	184.89609	296.36426	260.73969	4.75656	0.2277170	0.20432610	2.8548732	21	10 28.0	21.1
172764 2004 DY_{42}	15.7	X	102.36003	134.66716	104.61572	2.20493	0.1192611	0.19891099	2.9064545	21	10 5.1	19.9
172765 2004 DW_{51}	15.7	X	113.10156	117.06650	84.99203	3.26100	0.0898253	0.19182949	2.9775504	21	8 28.1	20.0
172766 2004 DR_{56}	16.2	X	9.65968	139.17577	195.39318	2.39732	0.0872501	0.20080282	2.8881707	21	9 29.8	19.8
172767 2004 DH_{60}	15.6	X	342.63851	287.60963	317.30026	3.87803	0.0755242	0.18035063	3.1025892	21	4 16.9	19.6
172768 2004 DJ_{60}	16.3	X	100.03857	100.25889	310.24716	3.04280	0.1555421	0.22920036	2.6443921	21	2 1.6	19.6
172769 2004 DV_{75}	15.9	X	94.86389	44.47146	136.88082	1.03822	0.1141149	0.18920913	3.0049782	21	7 12.8	20.2
172770 2004 EV_{2}	15.6	X	45.73269	16.90377	100.79946	12.91615	0.1451388	0.22916256	2.6446829	21	2 2.6	18.4
172771 2004 ER_{3}	16.0	X	120.94984	23.08552	96.35049	8.09489	0.1359361	0.24060300	2.5601694	21	5 26.8	19.6
172772 2004 EZ_{12}	15.3	X	14.46017	131.35443	112.27486	3.12665	0.0991069	0.18266860	3.0762866	21	6 5.8	18.9
172773 2004 EQ_{15}	15.9	X	355.13141	188.17702	301.47132	2.56565	0.0844005	0.22239323	2.6980812	21	—	—
172774 2004 EO_{23}	14.9	X	76.66472	132.29699	313.03861	31.63256	0.2286002	0.23008741	2.6375911	21	2 14.6	18.0
172775 2004 EW_{30}	16.1	X	348.70348	357.02774	138.67950	4.82323	0.0870976	0.21731881	2.7399197	21	—	—
172776 2004 ER_{31}	15.7	X	278.85501	236.69208	311.28891	6.73081	0.1529163	0.21559103	2.7545390	21	—	—
172777 2004 EL_{57}	14.7	X	14.84355	321.57374	232.60676	17.71462	0.1384089	0.17506022	3.1647864	21	3 27.8	18.7
172778 2004 EE_{64}	15.0	X	118.03976	67.48303	42.33001	9.35575	0.0483627	0.18201043	3.0836981	21	5 1.9	19.4
172779 2004 ET_{65}	15.2	X	265.01488	333.13527	90.20925	13.08528	0.0177826	0.19655203	2.9296632	21	9 5.9	19.5
172780 2004 ED_{66}	16.0	X	30.54514	259.99537	273.67073	1.17190	0.0313721	0.23297912	2.6157208	21	3 19.8	19.2
172781 2004 EV_{75}	15.6	X	210.69972	116.88126	150.86211	5.42559	0.1301902	0.21293262	2.7774180	21	—	—
172782 2004 EZ_{75}	15.5	X	334.18948	142.18381	131.43919	2.41343	0.1604360	0.18002138	3.1063710	21	5 5.2	19.3
172783 2004 EL_{80}	15.1	X	321.34230	254.94288	82.21515	10.85370	0.0728389	0.19040186	2.9924157	21	7 19.4	19.0
172784 2004 EH_{83}	14.9	X	25.74817	237.62180	353.06838	11.45768	0.0483998	0.18170862	3.0871119	21	5 31.9	19.2
172785 2004 ES_{114}	15.3	X	126.65507	167.38713	102.95215	15.04558	0.1218218	0.20345254	2.8630392	21	12 6.9	19.9
172786 2004 FX_{14}	16.0	X	25.31690	168.78175	342.69294	2.97573	0.1949801	0.22783967	2.6549101	21	2 8.6	18.2
172787 2004 FK_{15}	15.5	X	292.23488	271.37239	287.43591	12.09583	0.1551923	0.21935211	2.7229616	21	—	—
172788 2004 FH_{17}	15.1	X	112.69845	333.89035	164.33905	11.46962	0.0512039	0.18161072	3.0882212	21	6 2.7	19.7
172789 2004 FQ_{31}	14.6	X	10.80316	111.51428	95.33063	25.19940	0.0623674	0.17261157	3.1946463	21	4 26.5	19.3
172790 2004 FQ_{32}	15.5	X	120.71134	228.88461	234.37319	18.14984	0.1989694	0.24235429	2.5478210	21	5 11.1	19.2
172791 2004 FY_{35}	15.7	X	219.14845	135.96160	104.84764	5.51270	0.0773514	0.21259729	2.7803378	21	—	—
172792 2004 FW_{40}	15.7	X	159.58480	114.56587	71.38752	2.65991	0.0931955	0.19632338	2.9319374	21	9 26.9	20.1
172793 2004 FP_{42}	15.7	X	321.41525	338.38441	253.87634	2.43895	0.0871168	0.17530464	3.1618441	21	3 2.3	20.0
172794 2004 FU_{60}	15.5	X	297.77477	69.77480	90.66683	10.29778	0.1658735	0.21219344	2.7838644	21	—	—
172795 2004 FT_{62}	15.8	X	44.75478	118.25107	86.02442	2.26281	0.1555078	0.17990480	3.1077129	21	6 8.5	19.4
172796 2004 FP_{91}	16.1	X	303.48204	78.33303	34.92020	4.73077	0.0774625	0.20951230	2.8075643	21	12 20.3	19.6
172797 2004 FN_{103}	15.9	X	123.39491	4.95567	176.98850	2.63047	0.0435252	0.18953417	3.0015417	21	8 7.5	20.2
172798 2004 FU_{108}	15.9	X	156.37427	49.69017	62.36325	2.00635	0.1407183	0.18496915	3.0507258	21	6 23.9	20.8
172799 2004 FE_{112}	16.0	X	315.15891	34.06856	24.02151	1.94366	0.0572043	0.20189413	2.8777535	21	10 27.1	19.6
172800 2004 FW_{122}	15.7	X	335.63988	256.80701	306.05331	7.68018	0.1322233	0.22552374	2.6730549	21	1 28.8	18.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
172801 2004 FS_{129}	15.0	X	27.09160	349.19992	271.90161	4.93054	0.0381829	0.18654183	3.0335551	21	7 14.3	19.1
172802 2004 FJ_{132}	15.7	X	271.73482	99.24513	212.41746	1.61239	0.0655123	0.17801298	3.1296920	21	4 10.9	20.2
172803 2004 FH_{139}	15.6	X	283.39868	105.83568	46.20099	8.12918	0.1630099	0.21074755	2.7965828	21	12 31.5	19.0
172804 2004 FL_{143}	15.5	X	332.81802	225.27852	291.64090	8.08784	0.1544776	0.22042409	2.7141261	21	—	—
172805 2004 FQ_{156}	15.7	X	188.72917	308.67877	142.16579	2.90845	0.1177950	0.18844357	3.0131113	21	6 28.5	20.4
172806 2004 GT_{10}	15.3	X	356.23779	216.02544	129.59040	16.16982	0.1527166	0.20340445	2.8634905	21	10 3.8	18.7
172807 2004 GC_{16}	15.4	X	301.87437	39.49562	62.12020	7.23017	0.0254495	0.20631630	2.8364841	21	12 5.9	19.1
172808 2004 GS_{26}	15.2	X	88.68807	327.42435	189.56721	14.59638	0.1320413	0.17859648	3.1228715	21	6 7.4	19.8
172809 2004 GV_{27}	15.1	X	105.46100	110.74480	82.10071	22.83426	0.1360863	0.18468125	3.0538955	21	8 17.5	20.1
172810 2004 GR_{32}	14.9	X	95.12204	180.10207	335.49584	10.19666	0.0724021	0.18152211	3.0892261	21	6 2.4	19.5
172811 2004 GO_{35}	15.6	X	301.04550	245.99207	275.65998	7.78118	0.2636355	0.21542504	2.7559538	21	—	—
172812 2004 GG_{38}	15.1	X	19.24711	352.96829	241.50166	8.99967	0.0518348	0.18088081	3.0965235	21	5 30.2	19.1
172813 2004 GD_{55}	15.9	X	174.42044	233.20260	208.11121	6.91342	0.0466076	0.18093025	3.0959594	21	6 1.8	20.5
172814 2004 GV_{55}	16.0	X	165.17171	53.57406	348.00112	3.39887	0.0869588	0.17298440	3.1900545	21	4 4.8	20.9
172815 2004 GD_{88}	15.0	X	91.27749	293.93922	299.14338	12.88309	0.1315409	0.18878117	3.0095179	21	9 8.4	19.6
172816 2004 HX_{1}	15.9	X	106.76141	118.44689	67.94266	2.10749	0.1808602	0.18475532	3.0530793	21	8 10.4	20.6
172817 2004 HS_{54}	16.1	X	309.11288	325.37297	220.76644	2.53655	0.1298640	0.21736263	2.7395515	21	—	—
172818 2004 HS_{58}	14.3	X	340.75504	287.41216	53.25994	5.62063	0.2045574	0.12532833	3.9546059	21	8 13.4	18.9
172819 2004 JN_{42}	12.1	X	42.12604	134.07790	212.21684	15.19462	0.0741576	0.08134983	5.2751111	21	11 8.9	18.9
172820 2004 RN_{2}	16.9	X	323.24929	254.90503	242.06582	18.92221	0.0665327	0.36706439	1.9318551	21	—	—
172821 2004 RB_{138}	17.0	X	137.11275	192.34308	170.10531	23.40422	0.0398061	0.37869671	1.8920896	21	—	—
172822 2004 TD_{13}	17.3	X	309.39187	252.23257	207.33001	20.65415	0.0701141	0.35788705	1.9647414	21	—	—
172823 2004 TL_{183}	17.1	X	239.39020	242.09694	336.32076	3.27776	0.0719849	0.30787400	2.1721378	21	—	—
172824 2004 XA	16.0	X	332.14553	238.00997	270.48726	23.45788	0.0412885	0.36346764	1.9445788	21	—	—
172825 2004 YH_{14}	17.4	X	87.73593	76.52872	296.43488	1.66087	0.1507064	0.29968538	2.2115275	21	—	—
172826 2004 YL_{31}	16.4	X	142.30930	283.17246	21.96173	4.52193	0.2349479	0.30264120	2.1971044	21	—	—
172827 2005 AA_{2}	16.8	X	43.16408	122.22531	296.81779	6.11229	0.1346686	0.29844200	2.2176657	21	—	—
172828 2005 AQ_{9}	16.7	X	152.94778	245.44391	227.09850	4.42692	0.1588117	0.26344764	2.4099416	21	6 21.1	20.4
172829 2005 AV_{13}	16.6	X	85.34098	289.10790	88.59526	7.18991	0.0718465	0.29916384	2.2140970	21	—	—
172830 2005 AB_{82}	16.3	X	137.17333	344.27218	226.71548	4.61768	0.1781119	0.27322552	2.3520969	21	10 12.5	20.2
172831 2005 CC_{4}	16.3	X	143.73990	109.86122	112.95198	5.98812	0.1575387	0.27424828	2.3462454	21	11 5.5	20.0
172832 2005 CN_{4}	16.8	X	155.99531	89.35334	121.14258	3.76469	0.1155360	0.27554693	2.3388677	21	11 1.4	20.3
172833 2005 CZ_{11}	17.1	X	327.89702	68.38576	35.57218	3.67719	0.1147844	0.28982682	2.2613980	21	—	—
172834 2005 CO_{18}	16.6	X	331.55679	158.46915	137.65572	5.58278	0.1059393	0.26152958	2.4217102	21	6 2.4	19.2
172835 2005 CW_{36}	17.0	X	125.75499	140.63381	81.05542	2.34689	0.1399069	0.27188134	2.3598430	21	10 15.8	20.4
172836 2005 CX_{37}	17.4	X	219.37699	192.70556	331.16552	2.32929	0.1811087	0.27869624	2.3212147	21	10 30.6	20.7
172837 2005 CR_{43}	16.3	X	62.87236	288.77006	325.32965	4.98567	0.0693531	0.26856724	2.3792168	21	9 2.9	19.3
172838 2005 CP_{48}	17.2	X	51.35500	123.47265	355.82465	2.72175	0.1507420	0.30491845	2.1861515	21	1 21.6	18.6
172839 2005 CE_{73}	16.6	X	341.65716	271.92854	103.64991	3.72308	0.1775249	0.27825863	2.3236477	21	10 31.4	18.3
172840 2005 EK_{3}	17.0	X	133.89820	79.90729	113.90088	4.20841	0.0734739	0.26983272	2.3717722	21	9 14.9	20.2
172841 2005 EA_{5}	16.9	X	217.35745	89.67123	6.18300	7.27153	0.0755467	0.26651854	2.3913938	21	8 12.2	20.2
172842 2005 EN_{9}	16.5	X	176.09971	302.54198	202.63812	3.82098	0.0635218	0.26771310	2.3842748	21	8 26.4	19.7
172843 2005 ER_{9}	17.0	X	193.82979	350.08848	190.80957	3.56210	0.1854330	0.27581596	2.3373466	21	10 27.3	20.5
172844 2005 EP_{10}	16.4	X	309.38365	318.21892	283.78185	1.47071	0.1105726	0.24321637	2.5417969	21	2 12.5	19.8
172845 2005 EK_{11}	16.7	X	270.63753	358.78245	109.30956	5.72855	0.0896659	0.27976669	2.3152899	21	11 9.8	19.3
172846 2005 EH_{14}	16.1	X	264.39749	139.37976	64.67795	2.58713	0.0683916	0.23061008	2.6336043	21	—	—
172847 2005 EC_{15}	16.8	X	261.74741	14.70403	149.70372	3.60840	0.0792090	0.28531849	2.2851573	21	—	—
172848 2005 EA_{17}	17.1	X	204.28874	136.00677	359.54941	2.80090	0.1176772	0.27079746	2.3661358	21	9 13.7	20.2
172849 2005 EN_{21}	16.7	X	233.96067	124.27934	96.60452	3.27384	0.1200873	0.28815398	2.2701417	21	—	—
172850 Coppens	16.6	X	247.36088	64.20500	23.21237	1.78457	0.0521788	0.20829004	2.8185368	21	9 5.0	20.3
172851 2005 EF_{28}	16.9	X	194.94955	189.14444	31.70301	3.43910	0.1031693	0.28101842	2.3084095	21	12 26.9	20.0
172852 2005 EW_{33}	17.3	X	292.57602	249.46790	265.77593	2.65119	0.1811438	0.28911008	2.2651340	21	—	—
172853 2005 EC_{39}	17.4	X	157.32072	89.13978	341.99305	1.29216	0.1314509	0.25544559	2.4600113	21	4 30.1	21.0
172854 2005 ED_{44}	16.6	X	174.95253	352.75445	348.23213	5.01644	0.1548843	0.23801060	2.5787259	21	1 30.2	20.6
172855 2005 EL_{46}	17.2	X	209.15936	321.77273	215.67882	1.94002	0.1273031	0.27913135	2.3188018	21	11 13.5	20.1
172856 2005 ES_{46}	16.7	X	249.51660	315.74274	181.16257	5.81214	0.0760749	0.28038157	2.3119037	21	11 20.0	19.5
172857 2005 EL_{49}	16.9	X	54.57049	335.43905	233.76381	1.67788	0.1404247	0.25632434	2.4543857	21	6 27.8	19.4
172858 2005 EC_{69}	16.6	X	229.20762	313.38413	179.65796	3.16018	0.1769753	0.27401892	2.3475545	21	10 2.1	20.0
172859 2005 ET_{73}	16.3	X	245.13180	235.39265	17.44539	4.66251	0.1164666	0.23417268	2.6068251	21	—	—
172860 2005 EC_{79}	16.5	X	121.26989	128.06366	64.46439	5.31101	0.1232960	0.26428091	2.4048732	21	9 3.0	20.0
172861 2005 EY_{82}	17.3	X	326.75453	191.92968	236.26212	1.16843	0.1876414	0.28234085	2.3011958	21	12 21.9	19.0
172862 2005 EO_{83}	16.3	X	347.97552	251.86406	339.65565	4.69223	0.0608830	0.24782315	2.5101989	21	3 31.0	19.2
172863 2005 EW_{83}	17.3	X	243.74016	257.74393	231.78001	5.19710	0.1108399	0.27756758	2.3275028	21	10 24.4	20.0
172864 2005 EQ_{84}	16.9	X	110.42204	118.32813	46.10236	3.85211	0.0834965	0.26098576	2.4250732	21	7 6.2	20.0
172865 2005 EC_{97}	15.7	X	150.43056	254.56697	302.24535	6.71802	0.0826409	0.21228724	2.7830443	21	9 27.3	20.0
172866 2005 EC_{102}	16.0	X	236.97865	10.35855	108.09202	7.31901	0.0514279	0.27139692	2.3626503	21	10 13.2	19.1
172867 2005 EX_{118}	17.0	X	299.57639	229.97126	296.64832	6.08270	0.1269110	0.29084686	2.2561076	21	—	—
172868 2005 ET_{124}	17.0	X	186.70775	346.40233	195.91100	1.52563	0.1053231	0.27421533	2.3464334	21	10 27.3	20.2
172869 2005 EH_{126}	15.7	X	222.22056	177.75928	103.72849	15.66875	0.0775894	0.23515227	2.5995805	21	—	—
172870 2005 EH_{132}	15.7	X	184.64670	34.37110	303.76085	2.81847	0.1591142	0.23958516	2.5674152	21	2 3.3	19.8
172871 2005 EH_{137}	16.4	X	341.26799	179.19067	52.05323	2.89558	0.1574520	0.24375927	2.5380214	21	3 10.9	19.1
172872 2005 EH_{139}	16.2	X	269.12991	85.38271	162.51798	3.27238	0.0852426	0.23419814	2.6066362	21	1 8.9	19.9
172873 2005 EC_{143}	16.9	X	333.63414	27.52344	53.48435	3.63921	0.1148190	0.28260142	2.2997810	21	—	—
172874 2005 EO_{161}	16.1	X	309.12296	225.91644	54.86909	2.92505	0.2515162	0.18258953	3.0771746	21	3 23.8	20.3
172875 2005 EW_{165}	16.4	X	75.02630	234.57008	67.70875	1.36430	0.0544496	0.21369039	2.7708481	21	11 14.1	20.1
172876 2005 EY_{168}	16.5	X	180.30319	342.77433	321.49412	1.58895	0.0763201	0.22938640	2.6429621	21	—	—
172877 2005 EL_{175}	16.2	X	329.64650	34.88019	316.24550	3.81432	0.1461438	0.26470639	2.4022955	21	8 19.1	18.3
172878 2005 EP_{175}	16.0	X	299.79445	91.64282	250.34441	1.89096	0.2078463	0.25736066	2.4477925	21	5 30.2	18.8
172879 2005 EX_{193}	16.8	X	353.81256	349.01502	231.71822	1.64313	0.0713443	0.24792057	2.5095413	21	3 24.8	19.8
172880 2005 EJ_{198}	17.4	X	259.65976	160.77794	289.82426	1.56896	0.1913171	0.27207207	2.3587400	21	9 8.3	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
172881 2005 EQ_{199}	16.6	X	314.57095	317.75912	9.74913	3.52697	0.0922381	0.25790277	2.4443612	21	6 21.4	19.4
172882 2005 EQ_{220}	17.3	X	282.32899	146.03544	334.19385	2.00034	0.1852298	0.28216093	2.3021739	21	12 1.9	19.4
172883 2005 EP_{256}	16.2	X	166.75475	327.83838	225.15007	10.21395	0.1705406	0.27212282	2.3584467	21	10 15.9	19.9
172884 2005 ES_{256}	16.6	X	258.32065	312.21279	264.17479	6.52659	0.0990418	0.29000029	2.2604961	21	—	—
172885 2005 EL_{269}	17.6	X	245.06416	203.24015	279.48850	1.61522	0.1865224	0.27352679	2.3503695	21	10 4.6	20.5
172886 2005 EU_{281}	16.3	X	125.67663	110.21187	79.35652	8.56957	0.1529478	0.26301196	2.4126022	21	9 7.6	20.1
172887 2005 ET_{287}	17.2	X	295.28940	237.11993	218.92333	2.08978	0.0924750	0.28169065	2.3047355	21	12 1.3	19.5
172888 2005 EE_{290}	15.3	X	170.92366	130.06255	204.46827	10.03047	0.0489720	0.17232820	3.1981474	21	1 18.0	20.2
172889 2005 EG_{291}	15.8	X	171.81541	172.31205	102.37929	6.46572	0.1403725	0.22221584	2.6995168	21	—	—
172890 2005 FN_6	16.5	X	140.65294	103.68748	95.34493	5.19287	0.1993681	0.26746622	2.3857417	21	10 4.4	20.4
172891 2005 GX_2	16.7	X	194.77290	151.18497	53.42011	4.49349	0.1279143	0.27599252	2.3363497	21	12 1.6	20.1
172892 2005 GL_6	15.7	X	123.56243	234.90587	65.76082	6.00212	0.1056895	0.21683955	2.7439554	21	—	—
172893 2005 GE_9	15.5	X	207.61915	171.79418	90.35878	15.64225	0.0688818	0.22385024	2.6863608	21	—	—
172894 2005 GX_{17}	15.9	X	301.22078	48.54733	154.47958	11.72645	0.1052956	0.23249706	2.6193351	21	—	—
172895 2005 GQ_{27}	16.6	X	63.98173	318.66102	245.22629	4.44668	0.1114280	0.25448169	2.4662193	21	6 30.4	19.4
172896 2005 GN_{30}	16.3	X	72.51236	312.63730	169.82837	6.77013	0.0268414	0.24376878	2.5379555	21	3 8.9	19.3
172897 2005 GO_{30}	15.8	X	91.52858	179.81710	106.00710	3.98946	0.1449675	0.21098879	2.7944507	21	11 23.0	20.0
172898 2005 GV_{35}	15.6	X	122.52735	238.64395	74.57970	10.23991	0.0895267	0.22378559	2.6868782	21	—	—
172899 2005 GU_{47}	15.4	X	77.32327	237.23359	67.89284	14.29467	0.2177661	0.21053204	2.7984910	21	12 7.9	19.8
172900 2005 GQ_{51}	16.0	X	186.27194	125.66466	113.09022	5.06723	0.0761054	0.21828891	2.7317960	21	12 29.9	20.1
172901 2005 GY_{68}	15.9	X	225.53593	345.84504	201.81431	4.59140	0.0577601	0.21767544	2.7369262	21	12 14.3	19.6
172902 2005 GO_{75}	17.3	X	98.47660	239.06558	296.92839	0.68383	0.1281483	0.25597497	2.4566185	21	7 12.8	20.6
172903 2005 GC_{78}	15.8	X	82.35736	252.84579	61.07333	14.62855	0.1397376	0.21386328	2.7693546	21	12 15.4	20.0
172904 2005 GR_{79}	17.1	X	160.29659	90.66690	55.89391	2.91480	0.1273883	0.26186079	2.4196677	21	8 12.9	20.8
172905 2005 GX_{79}	16.5	X	315.07907	64.87755	137.73370	7.78314	0.0614918	0.29467701	2.2365153	21	—	—
172906 2005 GY_{79}	16.4	X	86.52576	88.20294	74.11114	10.67420	0.1618539	0.25136330	2.4865745	21	6 12.6	19.6
172907 2005 GC_{90}	16.3	X	125.49708	176.13952	113.23843	7.49748	0.1171076	0.27950738	2.3167217	21	—	—
172908 2005 GV_{92}	16.2	X	151.56592	187.21455	77.03635	3.12496	0.0279005	0.21592847	2.7516685	21	12 24.5	20.0
172909 2005 GH_{95}	16.2	X	0.28840	328.32298	173.16879	3.83114	0.1201794	0.23382286	2.6094245	21	—	—
172910 2005 GF_{96}	16.9	X	125.83511	351.13178	163.94274	1.20933	0.1323823	0.25742695	2.4473723	21	7 17.1	20.3
172911 2005 GA_{99}	16.3	X	7.56792	351.56375	219.21397	2.02391	0.1237978	0.24382122	2.5375915	21	3 30.7	18.8
172912 2005 GB_{99}	15.7	X	253.71533	4.72420	219.26863	3.80073	0.1166186	0.22619336	2.6677768	21	—	—
172913 2005 GM_{99}	16.6	X	192.49988	27.41353	238.99405	0.57403	0.0422954	0.22267973	2.6957664	21	—	—
172914 2005 GJ_{103}	16.5	X	96.53370	260.12891	158.21133	1.67758	0.0063532	0.23530487	2.5984564	21	1 15.4	20.0
172915 2005 GE_{106}	16.0	X	261.86341	107.81591	55.35915	6.26728	0.0276863	0.21935757	2.7229164	21	—	—
172916 2005 GU_{112}	16.2	X	115.66077	82.25661	251.54640	5.30223	0.0326807	0.22287029	2.6942296	21	—	—
172917 2005 GX_{130}	16.5	X	305.41955	196.59735	238.49380	2.48836	0.0695847	0.21102117	2.7941649	21	11 4.5	19.9
172918 2005 GL_{135}	16.4	X	71.04557	336.02399	106.12804	4.70481	0.0581358	0.23405485	2.6077000	21	1 17.9	19.4
172919 2005 GP_{135}	16.0	X	115.36087	285.07255	84.78206	10.27705	0.1136918	0.22650413	2.6653360	21	—	—
172920 2005 GL_{138}	16.2	X	84.42292	219.06781	129.45919	2.85729	0.0519694	0.22043824	2.7140099	21	—	—
172921 2005 GX_{138}	15.4	X	301.66173	259.39279	23.36938	12.01221	0.1171207	0.18260642	3.0769848	21	4 5.3	19.7
172922 2005 GL_{139}	15.8	X	302.08748	46.88928	67.44280	7.16585	0.0086016	0.21679850	2.7443018	21	12 25.5	19.4
172923 2005 GK_{140}	15.7	X	283.11327	139.02480	54.54995	16.00553	0.1565730	0.22744298	2.6579962	21	—	—
172924 2005 GE_{144}	15.0	X	273.10466	201.44750	95.27354	6.91751	0.1467252	0.17871466	3.1214947	21	3 18.9	19.7
172925 2005 GY_{155}	16.1	X	303.67884	307.96451	73.92270	3.17711	0.0786174	0.20077284	2.8884581	21	8 22.6	19.8
172926 2005 GE_{156}	16.6	X	86.79993	20.61591	63.40018	2.98165	0.1314736	0.23810878	2.5780170	21	2 22.7	19.6
172927 2005 GK_{157}	16.0	X	70.13728	334.86105	358.30684	4.39949	0.0785268	0.21387901	2.7692188	21	12 19.4	20.0
172928 2005 GQ_{168}	16.3	X	273.99764	47.60103	197.98091	1.87601	0.1555388	0.23323418	2.6138134	21	1 5.2	20.4
172929 2005 GM_{170}	16.5	X	328.82678	318.60682	225.03537	5.69004	0.1908864	0.23460512	2.6036207	21	—	—
172930 2005 HZ_3	15.8	X	293.16456	152.99756	75.41111	29.95094	0.1777769	0.23221755	2.6214366	21	—	—
172931 2005 HA_4	15.7	X	297.56003	284.37091	296.36112	2.86796	0.1399469	0.23245170	2.6196759	21	1 1.3	19.4
172932 Bachleitner	16.2	X	69.44244	42.89323	106.33571	9.26092	0.1218926	0.24376301	2.5379955	21	4 27.8	19.3
172933 2005 JH	15.5	X	299.50039	320.69327	243.30820	18.51795	0.1298467	0.22910249	2.6451451	21	—	—
172934 2005 JX	15.6	X	163.64816	89.76724	148.35647	6.38940	0.0460522	0.21251820	2.7810276	21	12 6.2	19.7
172935 2005 JF_4	16.0	X	275.70889	347.04048	228.54917	11.16867	0.1341647	0.22693927	2.6619278	21	—	—
172936 2005 JW_{29}	15.9	X	22.58499	87.89261	81.67066	6.40717	0.1577091	0.23947880	2.5681753	21	3 2.8	18.4
172937 2005 JS_{32}	15.6	X	227.04382	301.75998	52.90260	7.83563	0.1255810	0.18024455	3.1038064	21	4 11.8	20.5
172938 2005 JV_{48}	15.5	X	210.32155	270.27556	84.18349	11.22970	0.0966735	0.17663356	3.1459651	21	3 31.3	20.5
172939 2005 JY_{49}	15.0	X	180.16297	265.23316	78.86530	6.25473	0.1599055	0.16995756	3.2278182	21	2 17.8	20.3
172940 2005 JA_{51}	16.1	X	356.48910	213.05917	111.20262	3.28163	0.1117716	0.19712782	2.9239556	21	8 27.2	19.4
172941 2005 JU_{66}	17.3	X	255.32562	142.71888	20.08272	2.82086	0.1551119	0.27901793	2.3194302	21	12 20.6	19.9
172942 2005 JX_{71}	15.2	X	196.46122	327.06632	271.12215	11.77828	0.1299993	0.22012105	2.7166165	21	—	—
172943 2005 JT_{88}	15.4	X	158.28899	167.12809	214.60871	10.54377	0.0367159	0.17382842	3.1797199	21	2 26.2	20.1
172944 2005 JS_{104}	15.5	X	130.06364	203.05022	84.28055	7.46757	0.0936906	0.21598895	2.7511548	21	12 29.5	19.7
172945 2005 JO_{125}	15.9	X	24.86205	124.41633	69.79822	15.63519	0.0486637	0.24363167	2.5389075	21	4 15.9	19.2
172946 2005 JJ_{134}	16.1	X	31.67672	339.61262	70.20233	5.73395	0.0637896	0.21990817	2.7183694	21	—	—
172947 Baeyens	15.5	X	24.86077	193.22341	54.29750	11.44129	0.0747853	0.18936240	3.0033564	21	6 25.6	19.4
172948 2005 JR_{164}	16.0	X	218.85582	310.53303	231.84241	13.03306	0.1424916	0.21461252	2.7629054	21	11 19.1	20.1
172949 2005 JQ_{166}	15.2	X	218.52771	342.33165	330.83161	4.58516	0.1107261	0.17036860	3.2226244	21	2 13.8	20.3
172950 2005 JU_{166}	15.4	X	335.36513	53.69205	234.73363	9.18328	0.0498837	0.18771722	3.0208789	21	6 6.3	19.3
172951 Mehoke	16.7	X	204.45466	329.31534	197.87894	5.82251	0.0576282	0.27137030	2.3628048	21	11 2.0	19.6
172952 2005 KC_3	15.5	X	129.30615	229.85092	50.52240	12.09673	0.0466234	0.21428050	2.7657587	21	12 17.7	19.6
172953 2005 KG_5	16.1	X	264.27741	253.96864	193.38357	1.67234	0.0278101	0.20280103	2.8691678	21	9 29.1	20.0
172954 2005 KC_6	17.1	X	34.77721	70.96349	106.72437	0.81297	0.1873725	0.24341506	2.5404135	21	4 7.5	19.0
172955 2005 KR_{11}	15.2	X	309.95148	36.66448	251.76262	16.18074	0.1652435	0.18025840	3.1036474	21	4 10.8	19.6
172956 2005 LZ_1	15.7	X	103.40736	208.44675	97.27031	12.53041	0.1245507	0.20914235	2.8108741	21	12 25.6	20.0
172957 2005 LY_8	15.5	X	213.21446	288.27745	158.39600	10.06189	0.0870798	0.19316493	2.9638111	21	7 19.1	20.1
172958 2005 LH_{11}	14.6	X	267.11208	69.88540	278.31325	14.30886	0.0354029	0.17869183	3.1217605	21	5 24.4	19.2
172959 2005 LG_{19}	15.4	X	182.10375	245.17299	162.27234	8.62848	0.1054976	0.17924924	3.1152853	21	5 2.4	20.3
172960 2005 LG_{37}	16.1	X	32.95871	243.20086	236.45574	6.28243	0.0841250	0.23210266	2.6223015	21	1 9.6	19.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
172961 2005 MH_2	15.0	X	340.45921	176.47917	80.97052	14.40926	0.1337658	0.18133046	3.0914024	21	5 1.7	18.9
172962 2005 MZ_{13}	15.4	X	20.94790	144.12048	116.53738	10.90457	0.0415040	0.18939475	3.0030145	21	7 5.6	19.3
172963 2005 MY_{14}	14.8	X	177.58170	124.62229	294.73449	13.88695	0.0194532	0.17231683	3.1982881	21	5 3.7	19.7
172964 2005 MR_{34}	15.8	X	207.18025	112.81360	139.46452	4.25525	0.0456331	0.21107783	2.7936649	21	—	—
172965 2005 MX_{38}	13.8	X	343.78010	50.43925	304.56404	3.99674	0.2015813	0.12424798	3.9774967	21	9 3.1	18.2
172966 2005 MC_{54}	14.3	X	340.26266	79.02312	274.31854	10.17647	0.2282600	0.12276793	4.0094003	21	8 20.1	18.9
172967 2005 NK_{55}	14.8	X	338.68848	316.21408	329.00954	9.05100	0.0525599	0.18100935	3.0950574	21	6 5.7	19.0
172968 2005 NQ_{80}	15.3	X	315.17957	223.23131	85.22149	6.49604	0.1579986	0.17919126	3.1159573	21	5 21.4	19.2
172969 2005 QA_{20}	16.2	X	127.81205	220.12530	135.93339	7.78210	0.1362499	0.27429612	2.3459726	21	—	—
172970 2005 QD_{32}	14.8	X	289.06173	6.33713	307.90531	6.22823	0.1298961	0.17129227	3.2110288	21	4 24.1	19.5
172971 2005 QN_{176}	14.4	X	49.45923	307.08532	309.86895	16.80179	0.1014542	0.17873201	3.1212927	21	8 15.0	18.5
172972 2005 SG_{13}	16.5	X	95.21790	53.49401	333.64024	1.84799	0.1281293	0.20629472	2.8366819	21	—	—
172973 2005 SR_{167}	14.4	X	176.46766	222.51634	134.54045	10.91351	0.0986118	0.15217043	3.4746885	21	2 28.2	19.7
172974 2005 YW_{55}	19.3	X	130.00635	256.63661	239.40999	8.47206	0.2466641	0.47058621	1.6369795	21	7 5.0	21.1
172975 2006 DY_6	16.6	X	140.07892	272.98976	327.52107	4.40885	0.1424192	0.29208157	2.2497449	21	11 22.9	20.0
172976 2006 DC_{113}	16.0	X	320.94832	346.97430	359.10100	23.99093	0.1648948	0.28035557	2.3120467	21	8 5.2	18.7
172977 2006 DK_{116}	17.1	X	326.37365	247.35402	29.36076	4.69296	0.1693010	0.26475303	2.4020134	21	4 13.7	19.7
172978 2006 HB_8	16.2	X	33.21574	267.82356	59.15147	9.40525	0.1878178	0.28074840	2.3098894	21	11 23.9	18.7
172979 2006 HT_{25}	17.0	X	355.31554	232.13386	74.17564	4.66923	0.1840604	0.26942071	2.3741896	21	8 5.5	18.7
172980 2006 HG_{26}	15.6	X	137.84381	269.45184	53.59236	14.84798	0.2738452	0.23121174	2.6290335	21	—	—
172981 2006 HN_{30}	16.8	X	219.46519	229.31387	72.85835	4.11767	0.1628875	0.31034589	2.1605885	21	1 12.2	20.0
172982 2006 HZ_{60}	16.5	X	248.73706	13.52370	220.58617	4.09634	0.1131305	0.30521528	2.1847338	21	—	—
172983 2006 HD_{71}	16.8	X	157.56159	158.95973	162.20709	5.26730	0.1301420	0.30262574	2.1971792	21	—	—
172984 2006 HK_{89}	15.1	X	152.17774	213.47042	77.87869	33.83082	0.1838133	0.23096665	2.6308930	21	—	—
172985 Ericmelin	18.1	X	271.53963	53.43502	287.48897	0.59181	0.1985850	0.25962216	2.4335571	21	4 23.9	21.7
172986 2006 JE_{36}	17.7	X	13.08170	257.30915	126.37278	3.17884	0.1810507	0.28754977	2.2733207	21	—	—
172987 2006 KP_{28}	17.1	X	23.34610	279.16744	64.99190	4.53485	0.1348245	0.28197765	2.3031714	21	11 25.1	19.4
172988 2006 KQ_{48}	16.6	X	258.65706	200.31315	119.36881	3.80694	0.1843035	0.25350233	2.4725670	21	3 18.7	20.3
172989 Xuliyang	17.2	X	51.97201	34.77983	249.55142	4.60266	0.1863876	0.27463851	2.3440224	21	10 19.2	20.1
172990 2006 KV_{81}	16.5	X	316.16750	208.59785	85.19373	15.15636	0.1923875	0.25929035	2.4356328	21	4 26.1	19.6
172991 2006 KR_{114}	15.8	X	86.98141	47.16676	246.56939	7.95080	0.2694532	0.21384284	2.7695311	21	12 8.6	20.4
172992 2006 KW_{116}	16.7	X	293.72168	266.85535	117.22654	4.69077	0.1663862	0.27233854	2.3572011	21	7 29.9	19.1
172993 2006 KV_{118}	15.7	X	186.11778	24.88455	249.70222	12.02911	0.0659514	0.22767753	2.6561704	21	—	—
172994 2006 KE_{122}	14.8	X	253.79354	209.07762	101.15827	18.89676	0.1864465	0.18065877	3.0990603	21	3 16.4	20.1
172995 2006 KN_{122}	16.3	X	300.48706	181.46398	135.73985	5.65525	0.2047917	0.25836851	2.4414228	21	4 29.1	19.4
172996 Stooke	16.0	X	100.33886	275.53546	49.25111	3.86236	0.0927632	0.22672406	2.6636120	21	—	—
172997 2006 LO_1	16.7	X	87.34368	163.57524	109.35376	6.41045	0.1572790	0.28004919	2.3137326	21	11 14.8	20.0
172998 2006 LT_6	16.3	X	210.36211	151.81920	152.08308	4.20729	0.2532314	0.23940202	2.5687244	21	1 17.5	20.8
172999 2006 MF_2	17.0	X	342.23939	180.74287	147.67569	6.85816	0.1307641	0.27048537	2.3679555	21	8 10.5	19.1
173000 2006 MT_3	16.3	X	68.84560	279.45574	84.11459	8.32061	0.1473080	0.29111960	2.2546982	21	—	—
173001 2006 MH_{15}	16.2	X	262.32119	316.37873	143.23289	5.84475	0.2031518	0.26688547	2.3892014	21	9 24.9	19.0
173002 Dorfi	16.1	X	223.16331	281.84771	35.74829	2.76143	0.1361514	0.24147902	2.5539739	21	2 14.4	20.2
173003 2006 OD_6	15.1	X	125.65881	342.69454	316.99678	11.68576	0.1304494	0.21813931	2.7330449	21	—	—
173004 2006 OH_{14}	15.8	X	321.47375	215.87781	143.10866	2.52311	0.0709574	0.19820183	2.9133832	21	8 17.8	19.4
173005 2006 OQ_{20}	15.1	X	298.63279	298.84350	79.47419	12.04598	0.1616753	0.19312851	2.9641837	21	7 29.2	19.0
173006 2006 PC_6	15.9	X	66.05563	268.14487	130.65368	6.61101	0.0275781	0.22501897	2.6770509	21	—	—
173007 2006 PU_6	16.3	X	320.44565	257.86834	72.00105	3.29023	0.2267869	0.19312288	2.9642414	21	6 15.9	19.4
173008 2006 PL_9	16.2	X	247.98490	153.70379	182.19599	2.09461	0.1578761	0.18003686	3.1061929	21	4 5.0	21.2
173009 2006 PB_{10}	15.9	X	307.39016	137.77824	252.18896	0.83252	0.1624157	0.19720605	2.9231822	21	8 26.0	19.2
173010 2006 PW_{11}	16.7	X	97.50443	190.82372	119.35953	4.09379	0.1794014	0.28055286	2.3109626	21	—	—
173011 2006 PL_{13}	16.8	X	232.52173	300.52614	255.04447	6.13860	0.1084604	0.28678572	2.2773566	21	—	—
173012 2006 PG_{17}	14.2	X	304.81263	213.25635	151.93270	5.08732	0.2505828	0.12432325	3.9758911	21	7 4.1	19.4
173013 2006 PQ_{19}	17.3	X	357.12531	330.02658	289.57440	0.92195	0.1590526	0.25500378	2.4628520	21	5 20.4	19.4
173014 2006 PF_{22}	16.6	X	251.48774	86.80806	189.55952	3.22044	0.2405190	0.23822416	2.5771845	21	1 15.8	21.2
173015 2006 PX_{25}	15.3	X	199.01713	230.96030	133.34543	5.62431	0.1467577	0.17419119	3.1753037	21	3 28.2	20.4
173016 2006 PZ_{26}	15.6	X	35.82380	102.18401	284.43388	4.64522	0.0517533	0.21284982	2.7781382	21	—	—
173017 2006 PO_{27}	15.6	X	183.80159	259.53365	75.53402	15.76876	0.1794061	0.23434490	2.6055478	21	2 4.6	20.1
173018 2006 PS_{27}	14.7	X	212.76547	284.98929	88.22843	26.96686	0.2125004	0.17799191	3.1299390	21	4 28.8	20.4
173019 2006 PT_{29}	15.3	X	235.74583	73.60088	315.36817	14.54678	0.2372245	0.18507970	3.0495109	21	5 17.5	20.7
173020 2006 PF_{37}	15.7	X	113.60608	288.09304	95.35031	13.59751	0.1690975	0.22811480	2.6527750	21	1 19.1	19.2
173021 2006 QW_1	16.4	X	331.22065	257.65833	80.69161	3.05368	0.2345789	0.26088944	2.4256700	21	7 22.7	18.1
173022 2006 QU_2	16.7	X	336.75696	346.79901	335.92822	3.33751	0.0154808	0.25844118	2.4409651	21	7 28.7	19.6
173023 2006 QX_3	15.4	X	216.95830	357.24615	344.47301	4.30108	0.1668959	0.17320422	3.1873548	21	3 14.8	20.7
173024 2006 QG_7	15.5	X	28.52657	88.73644	348.35259	8.72574	0.1481963	0.21639308	2.7477284	21	—	—
173025 2006 QA_{17}	16.4	X	146.75582	254.19680	88.69268	3.22828	0.1676220	0.22774648	2.6556343	21	1 6.5	20.1
173026 2006 QL_{18}	15.3	X	265.10695	312.86239	30.00512	9.78725	0.0681710	0.18356487	3.0662649	21	5 9.8	19.7
173027 2006 QO_{18}	16.0	X	305.01538	219.96083	58.34781	7.44597	0.1087343	0.24664309	2.5181992	21	3 30.6	19.2
173028 2006 QP_{18}	15.1	X	20.83801	201.16191	29.05687	11.01153	0.0849742	0.18540836	3.0459061	21	5 25.6	19.1
173029 2006 QQ_{19}	15.8	X	147.59392	224.98936	63.70609	10.16798	0.1125825	0.21884659	2.7271531	21	—	—
173030 2006 QE_{29}	17.0	X	198.43165	175.76392	113.78937	5.49179	0.1732273	0.29573017	2.2312024	21	—	—
173031 2006 QM_{29}	15.9	X	145.78781	204.01411	83.48363	4.54534	0.1579276	0.22026787	2.7154091	21	—	—
173032 Mingus	15.7	X	296.44274	141.07003	161.30559	12.59674	0.1658139	0.18253974	3.0777341	21	4 18.4	20.1
173033 2006 QX_{44}	15.2	X	218.33522	7.90897	333.11092	8.95701	0.0774106	0.17393058	3.1784746	21	3 16.3	20.2
173034 2006 QG_{45}	16.5	X	84.14338	167.74458	201.52126	2.04534	0.0950651	0.21914420	2.7246835	21	—	—
173035 2006 QL_{50}	15.9	X	136.65647	73.54974	12.58314	6.94219	0.0903881	0.24196443	2.5505570	21	4 22.8	19.5
173036 2006 QR_{51}	16.4	X	20.54525	183.74541	81.43306	7.56622	0.1088234	0.25940937	2.4348878	21	7 18.1	18.8
173037 2006 QK_{57}	15.5	X	144.72702	7.79515	276.05267	13.36143	0.1617182	0.21903686	2.7255736	21	—	—
173038 2006 QZ_{76}	15.8	X	359.54453	194.24118	156.78910	2.34705	0.0745491	0.20205320	2.8762429	21	10 6.3	19.2
173039 2006 QW_{80}	16.3	X	84.66177	27.77875	343.06901	0.98683	0.0897007	0.21946816	2.7220015	21	—	—
173040 2006 QV_{92}	16.0	X	132.01007	0.44458	307.68119	11.30774	0.0038105	0.22017583	2.7161659	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
173041 2006 QD_{96}	16.1	X	111.00515	264.05179	76.47681	10.14070	0.1351351	0.21951136	2.7216444	21	—	—
173042 2006 QU_{96}	15.9	X	89.20443	186.04099	111.84932	8.75374	0.1513998	0.27512613	2.3412520	21	12 15.6	19.4
173043 2006 QP_{104}	15.3	X	168.79099	228.47052	136.53303	2.95961	0.1032842	0.16919010	3.2375719	21	2 27.0	20.2
173044 2006 QL_{107}	15.9	X	241.40028	117.15993	190.94412	4.76973	0.1460244	0.17325142	3.1867758	21	2 25.7	20.9
173045 2006 QP_{114}	14.8	X	198.85583	189.76224	173.77985	15.03185	0.1453526	0.17407960	3.1766605	21	3 26.1	20.0
173046 2006 QD_{116}	14.9	X	158.08837	92.63400	338.17984	11.70411	0.1053357	0.17458643	3.1705095	21	4 29.6	20.0
173047 2006 QJ_{121}	16.1	X	123.00932	48.49759	230.50171	3.85139	0.0901251	0.21206407	2.7849965	21	12 11.8	20.4
173048 2006 QQ_{128}	16.8	X	86.61971	253.03063	53.12128	6.69073	0.1182000	0.27722927	2.3293960	21	12 20.0	20.2
173049 2006 QH_{141}	15.4	X	292.42070	141.79654	255.73027	9.03210	0.0648700	0.19580063	2.9371536	21	8 22.6	19.6
173050 2006 QU_{142}	15.6	X	322.68652	20.98227	275.94402	8.62371	0.0493983	0.18450129	3.0558810	21	5 29.9	19.7
173051 2006 QM_{168}	16.3	X	161.17150	265.74855	93.39659	4.69564	0.1020129	0.23090076	2.6313936	21	2 3.9	20.2
173052 2006 QP_{170}	15.8	X	345.45620	74.66987	299.64386	1.04498	0.0810015	0.20293735	2.8678828	21	10 14.5	19.1
173053 2006 RU_{9}	16.3	X	160.39489	22.03970	330.00630	0.62674	0.0228045	0.22874794	2.6478777	21	1 16.0	19.6
173054 2006 RR_{71}	15.6	X	100.25189	351.09611	177.81627	5.08519	0.0787527	0.18180948	3.0859700	21	6 28.2	20.0
173055 2006 RT_{79}	15.5	X	305.59318	218.42838	23.04385	4.72680	0.0779869	0.16846646	3.2468365	21	2 26.8	20.0
173056 2006 SP_{8}	14.9	X	225.82960	286.24188	85.07459	12.59967	0.1393980	0.17384192	3.1795552	21	5 2.3	20.1
173057 2006 SD_{51}	15.5	X	315.04914	159.19935	319.71415	8.30232	0.1141436	0.21108695	2.7935844	21	—	—
173058 2006 SY_{53}	14.3	X	139.36778	75.33996	257.04728	15.48253	0.1672726	0.15589051	3.4191876	21	—	—
173059 2006 SE_{56}	15.2	X	308.95231	265.19893	88.56197	9.46144	0.1119763	0.18731020	3.0252534	21	7 17.6	19.0
173060 2006 SA_{59}	15.5	X	278.82602	305.97348	276.93609	11.44843	0.1148437	0.22825197	2.6517120	21	—	—
173061 2006 SQ_{59}	14.9	X	240.82892	105.54144	304.28212	14.39658	0.2030490	0.18349107	3.0670870	21	6 23.8	20.0
173062 2006 SD_{86}	15.8	X	20.13949	21.90370	194.38173	0.35880	0.1147473	0.17489544	3.1667739	21	5 10.2	19.5
173063 2006 SG_{93}	16.4	X	51.44927	218.07275	208.83149	1.48724	0.0859364	0.21654430	2.7464491	21	—	—
173064 2006 SD_{122}	15.0	X	290.61064	79.75042	285.31143	15.80922	0.1279308	0.18540578	3.0459343	21	7 3.2	19.1
173065 2006 SZ_{123}	15.7	X	352.73511	44.41099	94.16500	9.95999	0.0424819	0.22249625	2.6972482	21	—	—
173066 2006 SY_{127}	14.7	X	234.35092	86.34546	289.13046	15.40458	0.1254465	0.17865371	3.1222045	21	5 8.3	19.8
173067 2006 SX_{148}	16.0	X	301.59037	320.06854	267.85833	2.34657	0.1281085	0.22972825	2.6403395	21	1 16.4	19.5
173068 2006 SU_{171}	15.7	X	19.60451	145.87481	218.76194	1.26884	0.0793101	0.20373565	2.8603864	21	11 22.6	19.1
173069 2006 SQ_{199}	17.3	X	210.15414	262.44368	2.23013	0.77950	0.1381353	0.28932872	2.2639927	21	—	—
173070 2006 SW_{256}	15.6	X	154.82739	334.65220	210.83121	9.47451	0.1827824	0.25887848	2.4382155	21	9 24.0	19.6
173071 2006 SM_{280}	14.4	X	352.77279	273.90098	75.58558	6.49993	0.2211198	0.12627040	3.9349119	21	9 19.2	18.7
173072 2006 SG_{387}	16.0	X	182.25504	13.25530	101.75650	3.69286	0.1122386	0.18345020	3.0675425	21	7 22.5	20.8
173073 2006 TS_{49}	16.4	X	318.17576	215.83682	67.02818	2.70430	0.1180011	0.24303739	2.5430447	21	4 21.1	19.4
173074 2006 TU_{60}	16.2	X	347.59391	247.49042	189.91712	5.88147	0.0405874	0.20551614	2.8438418	21	—	—
173075 2006 UC	15.1	X	141.70372	195.74253	263.03702	16.86832	0.1104403	0.17783825	3.1317416	21	5 21.5	20.0
173076 2006 UV_{50}	16.0	X	322.43520	201.18177	263.60088	2.37049	0.0553755	0.20909067	2.8113373	21	—	—
173077 2006 UH_{134}	15.7	X	111.82916	43.71536	120.92120	3.01768	0.1857464	0.17331330	3.1860173	21	7 19.0	20.6
173078 2006 UM_{187}	15.2	X	215.73390	137.67301	314.76012	13.00479	0.1714843	0.18323141	3.0699839	21	7 25.3	20.1
173079 2006 UY_{187}	15.0	X	181.55469	219.28623	269.73004	10.75459	0.1653110	0.18317143	3.0706540	21	8 3.9	20.3
173080 2006 UN_{188}	14.9	X	9.02603	353.30659	297.05352	13.18910	0.1036908	0.18729265	3.0254424	21	7 29.5	18.5
173081 2006 UD_{219}	15.8	X	249.63683	179.09358	68.23627	5.97075	0.0792049	0.22394571	2.6855973	21	—	—
173082 2006 UT_{265}	15.1	X	5.23383	343.03603	329.25124	5.19883	0.2230112	0.19064582	2.9898623	21	8 31.1	18.0
173083 2006 WG_{80}	14.6	X	173.25823	264.62786	308.51305	1.93065	0.1384112	0.12587874	3.9430696	21	11 1.3	20.9
173084 2007 PO_{1}	12.2	X	38.97777	115.39974	241.69292	15.88240	0.0497121	0.08399353	5.1638327	21	11 13.8	18.9
173085 2007 PY_{31}	16.0	X	302.14908	324.52981	7.00727	1.83033	0.0677292	0.20349319	2.8626580	21	6 13.0	19.8
173086 Nireus	12.6	X	342.47968	184.57496	237.41224	17.49756	0.0967792	0.08460558	5.1388987	21	11 16.9	18.9
173087 2007 RJ_{20}	15.0	X	203.42249	124.80087	193.72838	8.84587	0.0715249	0.17610000	3.1523165	21	2 2.5	20.0
173088 2007 RS_{36}	17.2	X	210.22484	209.06459	178.10786	0.94039	0.1947595	0.25925588	2.4358487	21	4 25.9	21.3
173089 2007 RJ_{37}	17.4	X	97.02966	307.21986	7.39203	1.69774	0.1952653	0.29871604	2.2163092	21	—	—
173090 2007 RJ_{207}	16.7	X	269.83298	242.02940	162.88719	6.14434	0.1338439	0.27395924	2.3478954	21	7 28.1	19.6
173091 2007 RU_{217}	16.3	X	264.96121	209.23167	193.93469	1.43042	0.0872613	0.20106040	2.8857034	21	7 24.9	20.4
173092 2007 RP_{240}	17.2	X	234.76838	199.71481	305.93232	0.51021	0.0615632	0.27919810	2.3184323	21	11 12.0	19.7
173093 2007 TH_{35}	15.8	X	353.79436	248.35891	211.86253	10.63564	0.1509855	0.22327821	2.6909471	21	—	—
173094 Wielicki	16.2	X	278.30443	181.82783	238.05059	1.11161	0.0434674	0.20244858	2.8724969	21	9 9.2	20.1
173095 2007 TV_{73}	16.8	X	59.10510	156.78478	222.25239	5.72168	0.1831075	0.29893432	2.2152302	21	—	—
173096 2007 TA_{79}	15.7	X	125.04615	184.47532	312.68883	1.19936	0.0451935	0.18834328	3.0141807	21	6 13.5	20.1
173097 2007 TJ_{115}	15.0	X	251.91309	245.06958	96.75645	9.54188	0.0658957	0.18477854	3.0528235	21	4 28.6	19.6
173098 2007 TO_{129}	15.9	X	357.47628	117.62532	215.40012	5.13793	0.0694831	0.20228015	2.8740912	21	9 5.9	19.5
173099 2007 TR_{149}	15.6	X	115.30293	112.27359	230.18526	15.69712	0.1912870	0.22822673	2.6519075	21	—	—
173100 2007 TF_{263}	16.8	X	16.53279	133.07003	212.43741	5.25866	0.1148785	0.28240179	2.3008647	21	11 13.5	19.0
173101 2007 TV_{320}	15.8	X	305.58814	290.98795	104.69301	7.36016	0.0749798	0.20318612	2.8655414	21	9 15.8	19.5
173102 2007 TJ_{379}	15.3	X	102.60240	154.55435	23.13828	13.83851	0.0660207	0.19436616	2.9515872	21	7 13.7	19.8
173103 2007 UF_{38}	16.1	X	100.26353	143.12734	236.56532	3.86021	0.1131845	0.23186379	2.6241023	21	—	—
173104 2007 UY_{114}	16.9	X	77.43430	172.81263	243.82010	5.14630	0.1031922	0.30526289	2.1845066	21	—	—
173105 2007 VU_{5}	17.2	X	288.49673	104.27596	274.22423	1.54321	0.2354573	0.27090599	2.3655038	21	6 30.5	20.0
173106 2007 VN_{79}	17.1	X	196.84830	49.54899	67.40314	3.00193	0.1633483	0.26564894	2.3966098	21	8 9.9	20.8
173107 2007 VX_{111}	16.1	X	303.00698	199.31690	206.70758	1.27951	0.0714974	0.20283637	2.8688345	21	9 22.2	19.8
173108 Ingola	15.2	X	250.68332	136.77490	268.99434	0.75915	0.3278462	0.12558342	3.9492490	21	6 16.3	21.5
173109 7635 P–L	16.8	X	51.82440	21.88609	35.90072	5.11745	0.1861523	0.29591294	2.2302835	21	—	—
173110 2323 T–1	16.1	X	10.31986	81.53888	87.09816	3.20032	0.1118413	0.23520003	2.5992286	21	2 7.9	18.9
173111 2059 T–2	16.3	X	172.28703	150.65145	180.04954	3.15424	0.1909732	0.23533570	2.5982295	21	1 16.6	20.4
173112 4327 T–2	15.5	X	130.05004	335.89287	19.70345	10.73427	0.1414791	0.23380977	2.6095219	21	—	—
173113 5038 T–2	16.2	X	274.33576	80.56896	291.17066	5.56433	0.1580948	0.26371496	2.4083127	21	6 13.8	19.5
173114 1195 T–3	15.7	X	106.69230	177.50003	227.70471	14.66935	0.0498192	0.23345452	2.6121685	21	1 14.3	19.4
173115 3145 T–3	15.3	X	281.70206	300.44052	23.13312	18.54526	0.2469678	0.19598142	2.9353470	21	4 12.5	19.8
173116 4162 T–3	16.7	X	116.09556	304.90052	112.85954	4.22751	0.2164704	0.23434499	2.6055471	21	3 13.5	20.3
173117 Promachus	12.7	X	9.10293	205.77431	182.06537	7.77691	0.1221900	0.08390896	5.1673016	21	11 17.7	19.0
173118 1981 EB_{4}	15.3	X	75.27396	266.92925	305.50947	8.48051	0.0886021	0.17761651	3.1343476	21	7 24.5	19.7
173119 1981 EU_{46}	15.7	X	141.65302	40.91679	162.74912	2.49311	0.0700063	0.18250717	3.0781003	21	9 27.1	20.3
173120 1990 TL_{9}	16.1	X	160.42461	105.22459	254.05370	2.76319	0.2905427	0.23761702	2.5815727	21	2 15.6	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
173121 1991 VO_{10}	16.3	X	290.26047	286.93422	100.14410	2.26470	0.1615818	0.19187617	2.9770675	21	7 26.7	20.0
173122 1992 BV_4	16.0	X	191.92791	349.57772	114.29466	10.76336	0.2261144	0.18355433	3.0663822	21	7 15.4	21.1
173123 1993 FB_{35}	16.4	X	250.41703	10.14994	135.19427	1.90948	0.3347649	0.19615494	2.9336157	21	10 13.7	20.8
173124 1993 FX_{47}	15.9	X	174.97666	331.30407	173.41748	3.80238	0.1567424	0.25766651	2.4458551	21	8 23.0	19.8
173125 1993 PB_2	16.9	X	277.17315	254.62361	306.70547	7.00954	0.1009754	0.29919794	2.2139288	21	—	—
173126 1994 AY_8	16.2	X	23.06153	325.75265	125.86074	3.45523	0.0425198	0.21520548	2.7578280	21	—	—
173127 1994 CQ_{10}	16.2	X	321.06570	25.79336	135.18949	11.41316	0.2352562	0.21246305	2.7815088	21	—	—
173128 1994 HL_1	17.3	X	150.59356	61.86856	188.33039	1.75842	0.1981491	0.27188360	2.3598300	21	12 12.1	21.0
173129 1994 JH_2	15.5	X	311.57677	266.44506	51.00507	16.14639	0.2264652	0.25567183	2.4585599	21	5 10.1	18.2
173130 1994 JA_6	17.4	X	176.10248	297.36587	213.02398	4.46789	0.1611157	0.26551880	2.3973928	21	8 30.7	21.3
173131 1994 PY_{36}	15.5	X	243.53943	14.05410	321.62221	3.90252	0.1673661	0.17300932	3.1897481	21	3 29.7	20.6
173132 1994 RY_2	15.0	X	306.79940	299.91358	317.51684	4.55314	0.1417549	0.17176076	3.2051873	21	3 7.1	19.3
173133 1994 TS_6	16.8	X	96.05981	39.99387	94.39880	1.26502	0.1210670	0.24232056	2.5480574	21	5 12.4	20.1
173134 1994 YP_2	16.9	X	53.24878	179.33138	284.60928	21.58236	0.0895349	0.37764674	1.8955950	21	—	—
173135 1995 FO_7	16.1	X	21.75587	48.18549	55.94817	5.79333	0.0749175	0.21979003	2.7193434	21	—	—
173136 1995 HP_1	15.5	X	247.19751	198.17116	150.96227	11.05562	0.0525766	0.18906545	3.0065004	21	5 3.1	20.0
173137 1995 HH_3	15.7	X	246.99493	175.36907	91.65909	3.96966	0.1540114	0.17975791	3.1094056	21	1 14.7	20.8
173138 1995 QZ_4	16.8	X	209.52989	329.84063	288.04732	5.71406	0.1921560	0.28374624	2.2935910	21	—	—
173139 1995 SO_{16}	16.9	X	278.80731	76.99308	298.34001	0.27164	0.2056683	0.26045048	2.4283947	21	6 17.6	19.9
173140 1995 SH_{19}	15.7	X	299.99609	119.09467	185.45128	0.57765	0.1145876	0.17894634	3.1187998	21	4 30.4	19.9
173141 1995 SQ_{44}	16.5	X	282.38162	61.58131	300.61153	0.39792	0.1904927	0.25879244	2.4387559	21	6 6.2	19.4
173142 1995 SJ_{57}	17.4	X	246.13850	256.82840	229.11697	1.36714	0.1643342	0.26796792	2.3827630	21	10 13.5	20.2
173143 1995 SY_{66}	16.6	X	207.34374	55.47246	23.61488	0.53236	0.1783457	0.18166108	3.0876504	21	6 29.8	21.6
173144 1995 TY_2	16.6	X	130.85747	343.67866	8.18636	10.65506	0.1981722	0.24222965	2.5486949	21	1 2.1	20.3
173145 1995 TT_3	16.1	X	114.51189	244.61487	210.78927	4.22005	0.1556762	0.17174502	3.2053831	21	4 24.5	20.9
173146 1995 UM	16.1	X	201.58255	192.49783	231.69989	5.41592	0.1180367	0.25505975	2.4624916	21	6 6.5	19.7
173147 1995 UC_{38}	16.6	X	180.27207	169.51110	20.25143	3.16474	0.1146317	0.26667585	2.3904533	21	10 27.9	20.1
173148 1995 VX_3	15.0	X	195.75880	342.49098	62.48235	11.39425	0.0702542	0.17553394	3.1590899	21	5 12.1	19.8
173149 1995 VH_{18}	17.1	X	306.02747	83.76211	245.41856	1.39632	0.2100387	0.25666311	2.4522256	21	5 20.8	19.9
173150 1995 WM_{12}	16.0	X	307.94663	184.25363	147.59127	4.38327	0.1857319	0.18071267	3.0984440	21	6 5.7	19.9
173151 1995 WV_{24}	16.7	X	17.87407	39.17966	271.33316	5.42261	0.1348461	0.26191045	2.4193619	21	9 20.2	19.3
173152 1995 XC_4	15.0	X	212.60646	285.32222	83.97808	11.56935	0.1468833	0.17292016	3.1908444	21	4 18.3	20.3
173153 1996 EB_{12}	15.9	X	41.65340	89.22192	318.25435	11.64053	0.2589425	0.22867089	2.6484724	21	—	—
173154 1996 ME	16.6	X	173.05782	208.74689	121.69695	7.68212	0.3051860	0.29955668	2.2121609	21	1 16.8	20.0
173155 1996 RP	15.0	X	8.92877	90.09708	132.46795	28.38482	0.3492873	0.23293477	2.6160528	21	4 24.0	17.4
173156 1996 RV_9	16.9	X	28.19042	72.41364	352.50672	6.07485	0.1378672	0.28827048	2.2695301	21	—	—
173157 1996 RX_{12}	17.1	X	326.11361	350.83130	164.72908	0.81516	0.1829593	0.29220059	2.2491340	21	—	—
173158 1996 TJ_1	16.5	X	30.23085	187.69782	169.51701	7.05140	0.1365967	0.20213495	2.8754674	21	12 6.5	20.3
173159 1996 TS_{39}	16.9	X	99.82272	220.67351	131.07601	2.81281	0.1737888	0.28877330	2.2668948	21	—	—
173160 1996 UD_2	17.0	X	204.34314	311.70741	306.88622	6.11803	0.0642959	0.29062950	2.2572323	21	—	—
173161 1996 VN_{22}	16.3	X	159.08375	104.93898	296.25094	5.01925	0.0751302	0.25823449	2.4422675	21	3 16.6	19.8
173162 1996 XP_9	17.6	X	289.86304	106.39029	346.65975	4.84326	0.2006553	0.27528095	2.3403740	21	10 29.9	19.7
173163 1996 XP_{12}	16.9	X	276.15643	121.73503	310.38608	4.71954	0.1872706	0.27195813	2.3593988	21	9 5.5	19.5
173164 1996 XZ_{18}	16.5	X	324.70559	347.18487	50.19036	3.39827	0.2302616	0.27288286	2.3540655	21	10 22.5	17.9
173165 1997 AM_{18}	15.0	X	241.38603	264.53804	130.97549	17.76442	0.2059999	0.18098207	3.0953685	21	6 8.7	20.2
173166 1997 BP_2	14.3	X	104.41864	34.70538	131.62128	28.57828	0.1409823	0.17486883	3.1670951	21	7 9.8	19.2
173167 1997 CS_{17}	16.3	X	344.03576	219.11404	142.16965	7.61253	0.1516303	0.26542172	2.3979773	21	10 10.5	18.4
173168 1997 EB_2	17.0	X	218.93339	270.10472	176.36237	3.83730	0.2337623	0.26208310	2.4182992	21	7 15.8	20.9
173169 1997 ED_{27}	14.6	X	122.25843	345.24003	145.49489	22.11793	0.0876470	0.17282654	3.1919966	21	6 11.4	19.7
173170 1997 EU_{31}	17.8	X	223.02563	66.28392	17.75596	1.70511	0.2042409	0.25986369	2.4320490	21	7 19.6	21.6
173171 1997 EE_{44}	15.1	X	278.69389	78.84155	319.71195	9.69404	0.0576246	0.18044365	3.1015228	21	8 10.2	19.4
173172 1997 EN_{58}	16.9	X	177.61134	155.47712	15.34478	2.26615	0.1538503	0.26220537	2.4175474	21	9 29.3	20.7
173173 1997 GX_2	15.4	X	188.72662	187.84185	172.47675	2.78925	0.2079711	0.24360041	2.5391247	21	3 7.1	19.4
173174 1997 GO_{12}	16.6	X	159.65276	175.65434	57.52762	2.04620	0.1231666	0.26553290	2.3973079	21	11 30.5	20.3
173175 1997 HL_2	16.8	X	109.80218	82.57970	136.54683	3.22938	0.1398956	0.25617613	2.4553323	21	9 24.8	20.3
173176 1997 KO	16.7	X	137.90958	342.16535	205.85174	4.93458	0.1036931	0.25674185	2.4517242	21	9 8.9	20.3
173177 1997 SW_4	17.1	X	204.40406	280.60394	72.53686	2.76251	0.1543266	0.31140023	2.1557088	21	3 4.8	20.3
173178 1997 TY_{10}	16.4	X	244.49176	121.49215	185.12089	2.89221	0.0637656	0.23073258	2.6326721	21	2 25.5	20.0
173179 1997 TL_{24}	17.0	X	321.48220	6.17830	32.13275	5.96656	0.2593452	0.28619311	2.2804992	21	10 16.7	17.7
173180 1997 UP_{17}	16.0	X	101.29133	308.57002	62.76937	6.57936	0.0512018	0.21627103	2.7487620	21	—	—
173181 1998 FM	15.7	X	108.33410	203.79191	48.66198	2.76095	0.1903163	0.18875061	3.0098428	21	10 30.9	20.6
173182 1998 FY	17.0	X	153.06404	220.57571	70.20545	3.27118	0.1562550	0.28211058	2.3024478	21	—	—
173183 1998 FN_{51}	16.7	X	254.33274	142.91211	43.37097	3.52049	0.1451430	0.28444114	2.2898539	21	—	—
173184 1998 FQ_{61}	16.7	X	227.88802	215.62662	353.43619	5.48363	0.1861370	0.28270217	2.2992346	21	—	—
173185 1998 FB_{72}	16.9	X	101.41776	192.71557	38.66992	3.13793	0.1595447	0.27017580	2.3697639	21	10 4.6	20.2
173186 1998 FT_{92}	16.8	X	270.64291	153.39829	25.76676	6.21760	0.1054196	0.28620743	2.2804232	21	—	—
173187 1998 HU_{53}	16.0	X	130.89544	95.71565	130.28967	3.12349	0.3107836	0.18866839	3.0107171	21	10 24.9	21.4
173188 1998 HV_{71}	16.6	X	68.78021	184.41538	71.41264	5.96027	0.1925712	0.26677807	2.3898426	21	10 6.4	19.8
173189 1998 HE_{108}	15.2	X	102.31072	85.65439	120.68975	7.31021	0.1221227	0.18126051	3.0921977	21	8 24.5	19.8
173190 1998 KC_{46}	16.6	X	193.10328	151.27953	93.08997	5.67788	0.2076335	0.27858020	2.3218592	21	—	—
173191 1998 KJ_{61}	16.8	X	156.13363	123.53739	133.25500	6.11690	0.2080086	0.27518191	2.3409356	21	12 24.7	20.6
173192 1998 NK_1	16.5	X	95.34718	244.73263	300.31838	4.00688	0.0468412	0.25508316	2.4623409	21	7 9.2	19.5
173193 1998 QK_3	16.0	X	133.65259	37.44960	330.02383	18.28538	0.2918337	0.23300949	2.6154935	21	2 7.4	20.0
173194 1998 QN_{15}	15.8	X	67.56456	175.06358	207.32276	7.14124	0.2611748	0.22637894	2.6663186	21	—	—
173195 1998 QD_{33}	16.9	X	183.36401	87.45576	262.86522	3.13027	0.2397366	0.23849756	2.5752145	21	2 19.4	21.3
173196 1998 QF_{33}	16.5	X	186.91851	84.08929	276.63092	2.98437	0.2792417	0.23958591	2.5674099	21	3 7.3	21.0
173197 1998 QZ_{38}	15.8	X	147.79632	37.08358	316.91888	7.64552	0.1654281	0.23439609	2.6051685	21	1 20.3	19.6
173198 1998 QW_{44}	15.9	X	166.19509	69.85521	298.95265	3.26399	0.2785484	0.23729446	2.5839116	21	3 2.3	20.4
173199 1998 QQ_{86}	15.8	X	147.23727	75.07934	310.84726	9.77410	0.2861862	0.23618357	2.5920075	21	3 6.2	20.3
173200 1998 QJ_{91}	15.9	X	156.32207	140.60836	232.38887	5.49033	0.3394795	0.23498796	2.6007921	21	3 2.7	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
173201 1998 RR_{6}	15.9	X	175.20392	19.76050	346.79345	13.27237	0.1616267	0.23749983	2.5824218	21	3 2.5	19.9
173202 1998 RN_{51}	16.0	X	178.43485	193.81908	124.85171	5.42281	0.2064604	0.23491777	2.6013102	21	1 9.3	20.2
173203 1998 RD_{64}	16.5	X	168.61306	12.69001	24.32970	4.41322	0.2434270	0.23952033	2.5678785	21	4 6.3	20.7
173204 1998 RN_{66}	15.4	X	119.53708	5.18555	352.89716	13.32101	0.1866185	0.22986998	2.6392541	21	—	—
173205 1998 RT_{67}	15.4	X	4.04403	10.35804	341.01385	5.11888	0.1544488	0.21550896	2.7552383	21	10 20.1	18.5
173206 1998 SS_{14}	15.9	X	92.50285	287.71935	82.12102	4.16532	0.2789911	0.22729922	2.6591168	21	—	—
173207 1998 ST_{20}	16.5	X	91.13792	283.76874	166.30273	2.76502	0.1477275	0.23641862	2.5902892	21	3 10.7	19.5
173208 1998 SO_{26}	16.3	X	140.87187	70.94788	313.55892	14.22231	0.1286067	0.23487355	2.6016366	21	2 12.7	20.1
173209 1998 SP_{29}	16.5	X	198.72503	287.83277	89.73938	2.34916	0.1871492	0.24100507	2.5573211	21	4 6.4	20.6
173210 1998 SM_{42}	16.3	X	113.54819	344.43253	203.28086	1.53132	0.1203612	0.25244355	2.4794757	21	8 14.4	19.7
173211 1998 SE_{83}	16.8	X	195.24861	99.06977	265.21802	0.98521	0.2385638	0.23997018	2.5646682	21	3 17.5	21.1
173212 1998 SX_{99}	16.5	X	167.87080	143.12685	270.43049	3.27158	0.2312339	0.24018413	2.5631450	21	4 23.7	20.9
173213 1998 SB_{104}	16.7	X	146.92960	296.50819	154.01181	5.30393	0.2821982	0.24058646	2.5602867	21	5 27.5	21.1
173214 1998 SR_{121}	15.9	X	255.27438	348.57238	2.99680	11.36906	0.1674989	0.24513031	2.5285490	21	4 21.9	19.9
173215 1998 SG_{176}	17.5	X	43.61361	201.28348	187.99026	2.74967	0.2962197	0.22309330	2.6924337	21	—	—
173216 1998 TY_{5}	16.5	X	153.87734	308.57717	69.11925	4.46061	0.2709233	0.23454269	2.6040828	21	3 6.5	20.9
173217 1998 TS_{9}	16.4	X	83.25266	152.44928	34.21678	5.76810	0.1207584	0.24486365	2.5303844	21	7 6.9	19.7
173218 1998 TP_{15}	15.6	X	47.86426	320.92671	222.41010	12.79378	0.1001417	0.24061435	2.5600888	21	5 3.7	18.5
173219 1998 TZ_{25}	16.7	X	199.46458	116.93013	232.92083	1.08770	0.1489467	0.23674891	2.5878795	21	3 2.6	20.8
173220 1998 TN_{26}	16.5	X	135.59504	346.11761	18.77030	1.74559	0.2538525	0.23104018	2.6303349	21	1 31.4	20.5
173221 1998 TL_{31}	16.5	X	120.39846	62.64800	346.88013	2.21235	0.2981488	0.23348948	2.6119077	21	3 15.9	20.5
173222 1998 UQ_{8}	16.4	X	62.57202	332.75531	70.22701	4.08519	0.3090788	0.22605910	2.6688329	21	—	—
173223 1998 UY_{14}	16.0	X	93.15759	222.93203	193.47578	3.86438	0.2374852	0.22998986	2.6383369	21	2 10.9	19.1
173224 1998 UF_{17}	16.3	X	152.56286	6.05477	15.76805	8.36364	0.1630684	0.23478825	2.6022667	21	3 1.9	20.3
173225 1998 VE_{1}	15.4	X	121.72926	327.04564	62.09435	14.16529	0.2992903	0.23150098	2.6268432	21	2 28.1	19.7
173226 1998 VW_{14}	15.9	X	357.81742	141.25544	230.14227	7.81456	0.3066587	0.21541564	2.7560339	21	11 27.9	18.1
173227 1998 VJ_{38}	15.9	X	121.42242	30.19069	0.81475	4.10782	0.2738609	0.23125872	2.6286775	21	2 20.9	19.7
173228 1998 VM_{42}	16.9	X	167.59092	338.69528	39.44357	2.22110	0.0771426	0.23547415	2.5972110	21	3 3.6	20.6
173229 1998 WH_{15}	16.0	X	107.58747	194.20622	221.90304	12.80288	0.1499892	0.23079954	2.6321629	21	2 12.9	19.8
173230 1998 XM	16.5	X	148.57582	130.29643	253.67234	3.61725	0.0968506	0.23112554	2.6296872	21	2 17.5	20.2
173231 1998 XX	16.1	X	108.71342	330.87050	63.71538	14.27278	0.1632299	0.22935203	2.6432261	21	1 28.6	19.8
173232 1998 XC_{9}	18.1	X	340.07671	124.69406	317.31080	9.60315	0.5325436	0.21688234	2.7435945	21	—	—
173233 1998 YD_{17}	15.9	X	239.55370	257.79065	288.70297	5.97257	0.1389509	0.21093563	2.7949202	21	12 17.1	19.8
173234 1999 AK_{11}	16.1	X	116.44906	242.67600	122.28450	7.19789	0.0386432	0.22006145	2.7171070	21	—	—
173235 1999 BE_{15}	15.4	X	20.72259	266.87374	136.94893	10.09112	0.3541122	0.21620286	2.7493399	21	—	—
173236 1999 BA_{27}	16.1	X	155.96344	273.55330	116.04866	3.60649	0.1121857	0.22894821	2.6463334	21	3 9.6	19.9
173237 1999 BD_{32}	16.5	X	110.49121	62.69117	327.86862	3.19967	0.1260908	0.22359673	2.6883909	21	1 18.5	19.9
173238 1999 DW_{3}	17.7	X	1.69567	7.35127	288.22401	2.32195	0.1599523	0.32518387	2.0943538	21	8 3.4	18.8
173239 1999 FJ_{61}	15.8	X	249.96454	216.06091	348.45537	7.24743	0.1574048	0.20977455	2.8052238	21	—	—
173240 1999 GA_{11}	17.7	X	286.21817	163.38284	52.46261	1.46142	0.1912198	0.30267119	2.1969592	21	—	—
173241 1999 HU_{3}	15.9	X	342.89073	134.60441	97.58352	9.42897	0.2172914	0.22276661	2.6950655	21	3 13.7	18.9
173242 1999 JC_{10}	16.5	X	181.20467	62.14681	169.74868	6.75734	0.1347960	0.29000864	2.2604527	21	12 24.1	19.7
173243 1999 JC_{90}	16.8	X	224.74578	123.75296	111.03202	6.27387	0.1400338	0.29558524	2.2319316	21	—	—
173244 1999 KD	17.4	X	8.11414	270.15551	61.23312	6.01424	0.2668177	0.27665097	2.3326411	21	11 1.9	19.2
173245 1999 LY_{7}	16.7	X	147.89992	168.93581	105.24673	6.15164	0.2734401	0.28834523	2.2691378	21	—	—
173246 1999 MP	15.8	X	13.55732	261.08670	97.88885	10.54423	0.2820889	0.27593036	2.3367005	21	12 24.3	18.1
173247 1999 RQ_{46}	15.8	X	29.05786	4.50751	323.59747	8.97094	0.2411786	0.27482547	2.3429592	21	11 24.9	18.7
173248 1999 RA_{54}	16.7	X	26.96711	341.34342	348.16281	4.69861	0.2475083	0.27401402	2.3475825	21	11 25.7	19.3
173249 1999 RV_{64}	17.0	X	55.05223	222.47851	123.20222	2.94467	0.2338958	0.27832653	2.3232698	21	—	—
173250 1999 RV_{72}	16.4	X	316.36922	24.61053	357.11066	2.56756	0.1516221	0.26867627	2.3785731	21	9 10.1	18.5
173251 1999 RD_{73}	17.0	X	329.99410	105.08758	260.20957	1.17757	0.2432976	0.26864511	2.3787571	21	9 5.1	18.2
173252 1999 RT_{80}	17.3	X	313.78966	335.92916	40.78645	1.72975	0.1945524	0.26784055	2.3835184	21	8 21.9	19.3
173253 1999 RQ_{93}	16.6	X	332.04718	308.40029	52.96619	2.84981	0.2263103	0.26791480	2.3830780	21	9 8.3	18.0
173254 1999 RG_{97}	16.8	X	286.19586	214.82603	127.13943	3.32456	0.1909581	0.26102173	2.4248503	21	5 14.9	20.1
173255 1999 RP_{106}	16.3	X	116.04696	43.94684	302.92266	6.45332	0.1461072	0.28487060	2.2875520	21	—	—
173256 1999 RT_{114}	16.5	X	219.03286	103.00945	295.13831	5.99245	0.1998325	0.25811443	2.4430247	21	5 15.8	20.7
173257 1999 RH_{120}	16.4	X	29.81761	175.47974	173.07396	2.63188	0.2381987	0.27583165	2.3372580	21	12 25.4	19.2
173258 1999 RT_{136}	16.9	X	255.34990	50.28994	258.93318	0.70902	0.2494499	0.25567624	2.4585316	21	2 24.3	21.1
173259 1999 RF_{137}	17.0	X	10.02492	111.44662	232.00712	1.55394	0.2442369	0.27249074	2.3563233	21	11 17.9	19.0
173260 1999 RS_{141}	16.2	X	4.74066	351.42721	355.21656	5.76755	0.1459624	0.27250549	2.3562383	21	10 25.3	18.4
173261 1999 RQ_{156}	16.5	X	46.48358	354.52815	331.45180	5.24258	0.2466209	0.27544635	2.3394371	21	12 16.7	19.7
173262 1999 RD_{176}	17.0	X	119.13840	235.88477	72.08109	2.76373	0.1890647	0.28121885	2.3073125	21	—	—
173263 1999 RT_{178}	16.3	X	351.17189	271.10031	100.63112	3.01195	0.2266184	0.27178532	2.3603988	21	11 19.4	18.0
173264 1999 RD_{179}	16.3	X	286.80815	290.96491	68.14866	3.53113	0.2131485	0.26279830	2.4139097	21	6 4.0	19.5
173265 1999 RG_{183}	16.2	X	295.24572	231.67752	148.31192	2.83249	0.1530380	0.26539955	2.3981109	21	7 27.7	18.7
173266 1999 RY_{189}	17.4	X	321.89620	23.53770	332.61215	1.87922	0.1983854	0.26667493	2.3904588	21	8 4.6	19.0
173267 1999 RG_{190}	14.8	X	292.38280	5.82192	308.79456	13.33049	0.1144072	0.16991783	3.2283212	21	4 28.2	19.6
173268 1999 RY_{190}	16.5	X	15.64197	55.80860	289.23819	5.12888	0.2360855	0.27307006	2.3529895	21	11 28.3	18.9
173269 1999 RC_{218}	16.6	X	352.06305	149.44064	218.38619	1.87625	0.2128292	0.27287727	2.3540977	21	11 12.8	18.0
173270 1999 RO_{222}	16.1	X	162.97644	134.80515	204.73842	14.50897	0.1591162	0.24532196	2.5272319	21	1 11.9	20.2
173271 1999 RW_{253}	16.8	X	43.71992	354.00699	330.89101	2.70742	0.2409660	0.27605654	2.3359884	21	12 11.5	20.0
173272 1999 RG_{258}	17.0	X	15.52726	199.35888	168.86503	2.57937	0.1560174	0.27402092	2.3475431	21	12 18.5	19.5
173273 1999 SZ_{4}	15.8	X	16.96545	342.60855	354.64844	12.33421	0.2753552	0.27302648	2.3532399	21	11 22.7	18.4
173274 1999 SS_{7}	16.0	X	169.92675	253.45971	41.45547	7.05317	0.3149952	0.28924826	2.2644125	21	—	—
173275 1999 TQ_{16}	15.6	X	117.98113	290.54335	20.96733	15.20802	0.1287227	0.23291631	2.6161910	21	—	—
173276 1999 TC_{40}	16.8	X	4.95177	248.36566	120.29929	3.32232	0.2022880	0.27243722	2.3566319	21	12 9.1	19.0
173277 1999 TG_{47}	17.2	X	155.21881	205.45713	70.45698	1.38860	0.0431504	0.28012892	2.3132936	21	—	—
173278 1999 TB_{54}	17.1	X	34.83428	91.81743	247.75854	1.79566	0.1388430	0.27240678	2.3568075	21	12 3.9	19.7
173279 1999 TZ_{67}	17.0	X	269.66190	303.49645	73.76130	2.59706	0.1731096	0.25890472	2.4380507	21	6 13.4	20.4
173280 1999 TN_{69}	16.2	X	187.86684	96.99139	3.75970	2.37596	0.1569652	0.25780082	2.4450056	21	7 10.2	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
173281 1999 TY_{86}	14.7	X	32.93332	306.08403	331.77358	11.69895	0.1022040	0.17972300	3.1098082	21	8 21.4	18.7
173282 1999 TC_{115}	16.6	X	232.21975	62.29145	349.88609	10.52757	0.2284288	0.25923898	2.4359545	21	6 13.7	20.8
173283 1999 TE_{115}	16.3	X	81.22774	9.27857	323.00026	5.74339	0.2079208	0.27891487	2.3200015	21	—	—
173284 1999 TG_{117}	16.5	X	74.33496	61.26019	357.69162	3.56286	0.3043610	0.23939884	2.5687472	21	1 22.9	18.5
173285 1999 TL_{118}	16.9	X	52.54080	77.04683	240.81635	2.82435	0.2002188	0.27378637	2.3488837	21	12 6.9	20.0
173286 1999 TT_{118}	17.0	X	29.37145	355.93015	355.42295	4.76511	0.2500407	0.27406850	2.3472714	21	12 30.5	20.0
173287 1999 TF_{146}	16.9	X	103.36331	16.55644	1.20273	5.72709	0.2546101	0.23979722	2.5659014	21	1 8.6	19.9
173288 1999 TH_{150}	16.0	X	288.01612	287.07633	52.62819	3.30575	0.2222990	0.25989127	2.4318769	21	5 8.5	19.1
173289 1999 TC_{157}	16.3	X	102.64877	18.70056	359.48853	10.82811	0.0831871	0.24059925	2.5601959	21	—	—
173290 1999 TD_{175}	16.5	X	142.34283	163.43201	239.37911	4.74246	0.1913345	0.24600934	2.5225221	21	3 14.1	20.4
173291 1999 TT_{193}	16.4	X	268.29997	15.07788	17.51130	7.36848	0.1060904	0.26052884	2.4279077	21	7 15.3	19.6
173292 1999 TG_{202}	14.9	X	81.64403	275.23874	11.30845	10.83125	0.1196332	0.18150037	3.0894728	21	11 3.1	19.5
173293 1999 TZ_{220}	16.5	X	236.01135	349.35398	302.02346	5.91002	0.2360719	0.29521966	2.2337738	21	1 15.4	20.3
173294 1999 TB_{223}	16.5	X	312.14830	86.45931	291.72570	5.54247	0.1461081	0.26694924	2.3888209	21	8 24.5	18.7
173295 1999 TR_{229}	16.5	X	229.92937	307.48632	85.37423	2.41890	0.1866630	0.25773817	2.4454018	21	5 21.5	20.3
173296 1999 TM_{262}	16.3	X	336.71957	79.18530	279.68259	3.81228	0.2806321	0.26850789	2.3795674	21	9 10.6	17.4
173297 1999 TE_{276}	16.6	X	260.67011	235.22746	204.16052	5.72873	0.1100535	0.26564911	2.3966088	21	9 5.2	19.6
173298 1999 TV_{289}	17.1	X	230.98887	305.74819	111.66492	2.16537	0.1797823	0.25838119	2.4413429	21	6 23.9	20.9
173299 1999 TZ_{300}	16.8	X	260.23759	77.83640	321.18660	5.35197	0.2183070	0.26115044	2.4240536	21	6 26.4	20.2
173300 1999 TJ_{312}	17.0	X	257.31132	305.74313	193.57482	1.97155	0.1467955	0.27489044	2.3425900	21	11 21.4	19.7
173301 1999 TN_{318}	17.0	X	33.86343	267.07984	30.04961	2.68904	0.2068616	0.26802914	2.3824002	21	10 15.0	19.4
173302 1999 UH_{10}	17.0	X	84.37600	61.73501	8.29920	21.39933	0.1068345	0.37712161	1.8973543	21	—	—
173303 1999 UH_{16}	16.5	X	112.80174	345.76174	29.00967	5.71370	0.2360798	0.23973408	2.5663518	21	1 15.1	19.8
173304 1999 UM_{32}	17.1	X	98.06466	37.58268	50.96245	2.91462	0.1954072	0.24447385	2.5330734	21	3 26.1	20.3
173305 1999 UC_{34}	17.0	X	200.12038	98.18056	36.85671	2.98053	0.1160708	0.26331646	2.4107418	21	9 9.1	20.5
173306 1999 UY_{43}	16.8	X	251.25939	63.84683	321.62853	3.78984	0.1703168	0.25812669	2.4429473	21	6 3.0	20.5
173307 1999 UK_{62}	16.0	X	236.91756	129.81181	319.15149	6.67345	0.1032504	0.26249743	2.4157538	21	8 20.2	19.3
173308 1999 VO_{5}	15.1	X	168.46857	173.43629	219.74092	3.78571	0.0910300	0.24702978	2.5155706	21	3 21.0	18.7
173309 1999 VK_{22}	16.1	X	264.65385	133.23121	242.98503	7.67890	0.3206176	0.26008223	2.4306864	21	5 19.9	19.9
173310 1999 VU_{29}	16.7	X	310.98028	107.84352	264.57066	1.68179	0.2166791	0.26353272	2.4094228	21	8 2.9	19.0
173311 1999 VJ_{39}	16.4	X	223.47524	24.00723	65.23673	7.60084	0.2000940	0.25824609	2.4421943	21	7 28.5	20.3
173312 1999 VM_{39}	16.6	X	287.15255	279.54075	76.90190	2.32016	0.2041289	0.25881167	2.4386351	21	6 2.4	19.8
173313 1999 VY_{39}	17.1	X	285.72313	338.99282	52.14290	3.59888	0.1706865	0.26393378	2.4069814	21	7 27.3	19.8
173314 1999 VO_{44}	16.4	X	267.94062	85.93354	273.62275	5.45254	0.1840592	0.25890724	2.4380349	21	5 15.9	20.0
173315 1999 VF_{51}	16.5	X	251.89433	76.60997	339.13400	6.31254	0.1094850	0.26014858	2.4302731	21	7 25.2	19.7
173316 1999 VL_{51}	16.5	X	253.26362	169.87263	263.20810	5.59160	0.0858204	0.26224844	2.4172827	21	8 19.8	19.7
173317 1999 VL_{56}	16.3	X	307.93090	316.62309	50.28576	3.31052	0.2277580	0.26382079	2.4076686	21	7 18.1	18.5
173318 1999 VR_{56}	16.0	X	134.91552	119.36402	204.21990	3.63556	0.1024854	0.23627653	2.5913276	21	—	—
173319 1999 VX_{69}	16.6	X	72.06895	62.44367	243.90976	1.57073	0.1682232	0.27231680	2.3573266	21	12 9.3	20.0
173320 1999 VP_{94}	16.6	X	303.56642	33.58145	352.75629	0.73132	0.1652444	0.26521234	2.3992393	21	8 20.0	18.9
173321 1999 VQ_{95}	16.4	X	340.05386	320.65413	52.90429	2.51870	0.1839607	0.26870192	2.3784218	21	10 20.7	18.1
173322 1999 VC_{131}	16.5	X	98.21085	255.62611	41.05658	7.35734	0.1440558	0.27384536	2.3485463	21	12 21.3	20.2
173323 1999 VD_{134}	16.5	X	254.18224	205.96084	233.08456	5.98636	0.0805250	0.26309531	2.4120926	21	8 30.0	19.7
173324 1999 VT_{139}	16.7	X	231.83484	89.61910	6.56733	2.44156	0.1554996	0.26206158	2.4184316	21	8 18.9	20.1
173325 1999 VZ_{141}	16.7	X	30.35817	271.06616	35.09353	2.87788	0.1992159	0.26705074	2.3882156	21	10 20.9	19.2
173326 1999 VW_{146}	16.4	X	269.38952	164.37821	174.63184	1.69191	0.1946903	0.25496614	2.4630943	21	4 20.7	20.0
173327 1999 VA_{165}	16.9	X	190.57436	190.65515	253.37464	1.62008	0.1451050	0.25486408	2.4637519	21	6 20.7	20.7
173328 1999 VJ_{167}	16.4	X	3.27325	333.85609	359.31416	1.12693	0.2025857	0.26581835	2.3955914	21	10 9.6	18.3
173329 1999 VF_{186}	16.6	X	337.73420	188.54515	165.69322	2.92781	0.2063298	0.26593979	2.3948621	21	9 10.3	18.2
173330 1999 VA_{187}	16.4	X	88.95112	162.85989	215.25619	11.19063	0.1964561	0.23636892	2.5906523	21	—	—
173331 1999 VS_{187}	16.0	X	186.51640	28.52500	67.04218	11.27513	0.1309045	0.25554510	2.4593727	21	7 1.9	19.9
173332 1999 VQ_{209}	16.3	X	215.36546	114.43745	318.02145	3.45880	0.1523726	0.25844041	2.4409700	21	6 30.2	20.0
173333 1999 VK_{217}	17.3	X	123.01919	207.26145	64.07502	3.23095	0.0520958	0.27487492	2.3426782	21	12 11.5	20.5
173334 1999 WU_{11}	16.6	X	310.01389	14.68202	38.55197	6.30233	0.0970204	0.26938602	2.3743934	21	10 22.3	19.1
173335 1999 WB_{14}	16.8	X	206.92448	58.30743	70.62378	2.63749	0.1129476	0.26221816	2.4174688	21	9 8.8	20.2
173336 1999 WS_{14}	16.9	X	3.22705	89.08187	230.03447	2.64702	0.2018607	0.26445693	2.4038060	21	9 14.5	18.6
173337 1999 XZ_{11}	16.0	X	284.57153	87.79769	313.75033	5.98663	0.1339996	0.26277617	2.4140452	21	8 14.5	18.5
173338 1999 XY_{12}	15.6	X	61.41219	323.14297	118.82247	8.19016	0.1697160	0.23723807	2.5843210	21	1 9.9	18.0
173339 1999 XL_{16}	16.0	X	290.30148	281.38703	75.23133	11.44745	0.2804176	0.25961732	2.4335874	21	5 26.7	19.1
173340 1999 XY_{23}	15.2	X	144.71849	180.84772	235.15934	8.00093	0.0737142	0.24742882	2.5128652	21	3 19.3	18.8
173341 1999 XL_{48}	16.4	X	253.35021	255.46630	151.35732	1.46025	0.1843318	0.25886100	2.4383252	21	7 2.9	20.0
173342 1999 XW_{53}	16.3	X	305.22825	292.22631	80.52384	6.87476	0.1638162	0.26192067	2.4192989	21	8 3.8	18.9
173343 1999 XU_{56}	16.5	X	225.13699	208.15097	216.73920	1.73705	0.1736648	0.25647486	2.4534253	21	6 28.3	20.2
173344 1999 XB_{68}	16.5	X	199.95240	293.52833	157.26831	2.28655	0.1744884	0.25504475	2.4625882	21	7 7.6	20.3
173345 1999 XE_{71}	15.7	X	26.37852	154.93854	241.78067	8.20128	0.2065822	0.22844512	2.6502171	21	—	
173346 1999 XB_{90}	16.6	X	253.24034	291.27396	138.17585	2.99893	0.1775246	0.25802714	2.4435757	21	8 3.6	20.1
173347 1999 XC_{93}	15.6	X	139.49446	112.27494	282.72708	26.07157	0.1871195	0.24000567	2.5644154	21	2 17.8	20.0
173348 1999 XQ_{134}	15.3	X	254.42814	29.04554	84.23167	25.94036	0.2306475	0.26450555	2.4035114	21	10 13.8	19.1
173349 1999 XD_{141}	16.3	X	234.89414	195.30167	216.56341	11.59500	0.1753261	0.25954736	2.4340247	21	6 20.2	20.2
173350 1999 XX_{154}	16.1	X	257.26986	211.23712	160.74076	2.59052	0.2108573	0.25563637	2.4587873	21	5 19.6	19.8
173351 1999 XZ_{163}	13.6	X	329.69656	269.67272	93.49697	10.59604	0.1958365	0.12501776	3.9611526	21	8 23.3	18.4
173352 1999 XB_{182}	16.0	X	57.02578	130.82549	321.44392	6.92810	0.1654024	0.23785818	2.5798274	21	1 16.8	18.4
173353 1999 XQ_{251}	16.8	X	321.00707	143.24576	194.23983	1.97822	0.1751808	0.26055049	2.4277732	21	7 5.6	18.9
173354 1999 YD_{1}	16.2	X	64.08505	135.10144	308.45414	21.09814	0.1119390	0.37502959	1.9044037	21	—	—
173355 1999 YP_{2}	16.0	X	242.52859	216.88523	100.57341	9.93767	0.1252763	0.24152107	2.5536774	21	3 8.4	20.0
173356 1999 YK_{3}	15.6	X	297.66004	121.45954	29.85714	26.18771	0.2663033	0.22406588	2.6846369	21	—	—
173357 1999 YG_{8}	16.4	X	171.71017	7.16921	104.41396	7.93243	0.0888868	0.25116458	2.4878859	21	7 7.3	19.9
173358 1999 YL_{12}	15.1	X	241.44650	1.55415	264.52972	27.67680	0.0447532	0.23689414	2.5868218	21	—	—
173359 2000 AQ	16.1	X	112.53092	246.11165	133.21772	5.49836	0.1669207	0.23252462	2.6191282	21	1 10.1	19.4
173360 2000 AN_{1}	17.0	X	70.59792	34.94500	93.91467	23.97465	0.1221625	0.37751190	1.8960464	21	3 13.1	19.0

Planet		H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
		m		°	°	°	°		°				
173361	2000 AQ_{42}	16.6	X	222.96292	295.08671	295.04975	18.14780	0.0663003	0.36341203	1.9447772	21	—	—
173362	2000 AW_{42}	16.8	X	0.01388	70.07171	116.63938	24.06188	0.0739821	0.37388473	1.9082894	21	1 15.2	18.4
173363	2000 AD_{49}	16.7	X	59.52979	98.48896	275.00234	21.92979	0.0768005	0.36381895	1.9433268	21	—	—
173364	2000 AT_{49}	16.6	X	208.03870	290.50890	281.13813	17.92053	0.0429331	0.35898387	1.9607374	21	—	—
173365	2000 AD_{58}	16.7	X	196.08106	331.39448	130.50395	1.18112	0.1803654	0.25246525	2.4793337	21	7 18.3	20.6
173366	2000 AU_{69}	15.6	X	87.31243	312.02383	106.30357	9.77278	0.1538405	0.23794313	2.5792134	21	1 22.0	18.5
173367	2000 AM_{82}	17.1	X	252.35254	291.94532	149.90906	0.62453	0.1703513	0.25894189	2.4378174	21	8 20.7	20.4
173368	2000 AG_{93}	16.8	X	282.15392	249.50051	291.27932	16.31811	0.0623260	0.36543196	1.9376040	21	—	—
173369	2000 AJ_{143}	15.9	X	81.80764	225.46272	262.22101	3.48502	0.2318461	0.23909897	2.5708944	21	4 29.9	18.9
173370	2000 AX_{152}	16.7	X	180.49836	33.06214	276.83055	17.84571	0.0530994	0.36797204	1.9286770	21	—	—
173371	2000 AH_{186}	16.0	X	284.82789	229.45263	139.85504	9.30076	0.3041096	0.26164369	2.4210060	21	6 3.9	19.6
173372	2000 AM_{205}	16.2	X	99.79690	37.37780	109.00472	4.06463	0.1079930	0.24425646	2.5345762	21	6 1.1	19.5
173373	2000 AC_{216}	16.4	X	142.93237	62.62375	314.98238	17.37961	0.1109435	0.37148374	1.9165030	21	1 10.7	18.2
173374	2000 AS_{227}	16.1	X	163.40123	36.86965	318.53018	17.35772	0.0825883	0.37052163	1.9198192	21	1 3.1	18.2
173375	2000 AV_{230}	16.6	X	74.99301	58.08584	122.18354	8.43363	0.1812728	0.24419540	2.5349986	21	6 25.5	19.7
173376	2000 AO_{251}	16.0	X	36.04627	59.77142	112.13146	3.72881	0.1304853	0.24066661	2.5597182	21	3 31.2	18.5
173377	2000 BZ	16.7	X	259.02156	282.67301	333.05596	17.58557	0.0672461	0.37176468	1.9155374	21	—	—
173378	2000 BO_{2}	17.1	X	63.72173	92.09254	344.09781	20.33850	0.1159050	0.37184274	1.9152693	21	—	—
173379	2000 BH_{9}	16.6	X	253.70660	344.47595	269.56111	1.17077	0.0515224	0.23131633	2.6282410	21	1 2.9	20.3
173380	2000 BL_{9}	16.8	X	297.26316	24.83877	271.72365	1.05359	0.0800352	0.24274529	2.5450843	21	4 14.5	20.2
173381	2000 BB_{13}	16.4	X	40.18404	171.36750	326.12975	6.90979	0.1252032	0.23495731	2.6010183	21	2 15.9	18.8
173382	2000 BZ_{40}	16.3	X	175.10066	220.74190	291.39704	5.48459	0.0569947	0.25656211	2.4528691	21	9 1.9	19.9
173383	2000 CR_{11}	15.9	X	135.36576	164.15009	293.78350	1.48857	0.1095215	0.24459106	2.5322641	21	5 9.8	19.4
173384	2000 CW_{21}	15.7	X	127.97854	185.51055	298.40537	7.69867	0.0172999	0.24507216	2.5289489	21	5 23.3	19.2
173385	2000 CU_{36}	15.7	X	327.55976	182.60304	325.97681	11.57123	0.1896744	0.22541651	2.6739025	21	—	—
173386	2000 CF_{48}	15.6	X	327.42438	256.74599	288.35248	7.83499	0.1205200	0.22969308	2.6406090	21	—	—
173387	2000 CG_{50}	15.4	X	355.02341	203.12743	313.29804	11.85805	0.1192192	0.22998946	2.6383400	21	—	—
173388	2000 CT_{58}	16.9	X	104.66883	253.82751	150.47553	22.82247	0.1180937	0.36999283	1.9216480	21	—	—
173389	2000 CW_{58}	16.9	X	99.63600	293.09385	146.09406	23.61862	0.0974929	0.37559321	1.9024981	21	1 26.2	18.3
173390	2000 CA_{59}	17.1	X	77.67214	319.95431	148.84206	23.01288	0.0698896	0.37552312	1.9027348	21	1 30.2	18.6
173391	2000 CF_{67}	14.9	X	160.38245	158.47627	232.61961	7.61598	0.2964632	0.24217279	2.5490938	21	3 23.5	19.5
173392	2000 CU_{68}	16.0	X	37.67587	83.57500	139.63565	3.93271	0.1438513	0.24418685	2.5350578	21	6 19.2	18.5
173393	2000 CP_{82}	16.2	X	129.49207	320.77357	135.25627	5.53018	0.1723080	0.24225820	2.5484947	21	5 10.3	20.0
173394	2000 CP_{137}	16.5	X	259.96242	194.76508	137.66609	5.64820	0.2252558	0.24245184	2.5471375	21	4 2.9	20.6
173395	Dweinberg	16.0	X	118.83456	16.62049	354.83447	6.09317	0.0442890	0.22515979	2.6759346	21	—	—
173396	2000 DY_{9}	16.7	X	63.41513	158.72594	346.21490	0.76441	0.0230309	0.23840944	2.5758491	21	3 26.8	20.1
173397	2000 DP_{18}	16.1	X	357.11801	226.61194	349.29178	5.30726	0.1318351	0.23743382	2.5829004	21	3 19.3	18.7
173398	2000 DV_{20}	16.4	X	150.10702	275.63846	167.70463	3.51028	0.1674486	0.24404672	2.5360281	21	5 13.5	20.4
173399	2000 DD_{24}	16.2	X	113.70948	92.90366	332.89428	3.18768	0.2203903	0.23798330	2.5789231	21	3 18.4	19.6
173400	2000 DQ_{41}	15.9	X	70.72089	68.58866	341.77134	8.52704	0.0764995	0.22741566	2.6582091	21	—	—
173401	2000 DZ_{43}	16.9	X	124.78428	124.54275	343.19403	4.32240	0.2320035	0.24276594	2.5449400	21	5 23.7	20.9
173402	2000 DR_{91}	16.7	X	355.00869	345.31271	169.05051	2.96650	0.0282865	0.22913181	2.6449195	21	1 5.8	20.3
173403	2000 DM_{100}	16.3	X	57.85565	101.78108	91.71586	5.73733	0.1830715	0.24155836	2.5534146	21	6 17.6	18.9
173404	2000 DA_{110}	16.2	X	329.20089	258.17968	345.82128	11.46832	0.2427417	0.23360947	2.6110133	21	2 25.2	19.1
173405	2000 EQ_{11}	15.8	X	26.77183	35.07040	114.06075	13.48130	0.1163926	0.23339534	2.6126101	21	2 10.5	18.6
173406	2000 EG_{16}	15.9	X	37.90842	58.40489	342.95762	7.95861	0.0896851	0.22100879	2.7093369	21	—	—
173407	2000 EJ_{16}	16.4	X	77.00180	43.80180	69.25995	1.81943	0.1223328	0.23616634	2.5921336	21	3 17.7	19.3
173408	2000 EN_{18}	16.3	X	71.31989	347.21383	120.68142	4.94047	0.1656061	0.23555824	2.5965928	21	3 8.5	19.0
173409	2000 EV_{21}	16.5	X	77.30016	3.85155	343.69748	17.87112	0.0786316	0.35761134	1.9657511	21	—	—
173410	2000 ET_{29}	16.4	X	64.20278	54.16100	118.83002	5.30186	0.1584421	0.24098838	2.5574392	21	5 26.4	19.3
173411	2000 EY_{61}	16.4	X	297.64403	257.37607	356.83674	1.75384	0.1407669	0.23099825	2.6306531	21	2 12.5	20.1
173412	2000 EP_{65}	16.3	X	8.53413	183.08216	359.30478	2.77055	0.1272543	0.23260984	2.6184884	21	2 22.9	19.1
173413	2000 EM_{98}	16.3	X	87.63476	125.83399	320.68948	3.42028	0.1295147	0.23610832	2.5925582	21	2 25.3	19.2
173414	2000 ED_{99}	16.1	X	43.46811	71.38523	343.48099	12.76800	0.1877269	0.22498692	2.6773051	21	—	—
173415	2000 EA_{119}	15.4	X	241.73032	63.42785	94.68532	8.96323	0.1651385	0.21616787	2.7496365	21	11 14.4	19.3
173416	2000 EU_{131}	16.9	X	125.03058	104.13895	348.93810	1.29181	0.0870266	0.23874697	2.5734208	21	4 18.7	20.3
173417	2000 EB_{139}	15.7	X	101.81368	30.90712	72.84616	14.55490	0.2020454	0.23681109	2.5874265	21	4 26.6	19.4
173418	2000 ER_{200}	16.3	X	351.45272	82.95414	343.85454	18.23650	0.1240234	0.35685940	1.9685115	21	—	—
173419	2000 FX_{5}	16.5	X	117.71764	127.30594	12.49963	13.45728	0.2037672	0.24215692	2.5492052	21	6 25.8	20.7
173420	2000 FV_{57}	16.2	X	21.25689	344.82488	148.10013	4.61312	0.1787945	0.22943454	2.6425924	21	1 3.5	18.8
173421	2000 FL_{61}	15.7	X	239.93238	182.22110	83.19602	5.33482	0.1171088	0.22437989	2.6821317	21	—	—
173422	2000 FP_{65}	16.0	X	43.14099	217.08088	319.08616	3.11145	0.0906579	0.23579045	2.5948877	21	4 13.3	19.0
173423	2000 FE_{73}	16.1	X	57.60553	113.65933	67.47260	7.24433	0.1057127	0.23906176	2.5711612	21	5 18.3	18.9
173424	2000 GV_{23}	15.9	X	53.77011	98.19718	12.96719	11.57188	0.1439156	0.23013736	2.6372095	21	2 11.5	18.8
173425	2000 GG_{31}	16.1	X	339.70127	166.24182	36.75273	2.73454	0.0351841	0.23006959	2.6377273	21	2 17.5	19.4
173426	2000 GY_{130}	15.9	X	155.99876	109.51421	217.69603	4.79027	0.0656402	0.22046768	2.7137683	21	—	—
173427	2000 GD_{141}	16.9	X	326.88377	181.00013	322.04547	17.45424	0.0876992	0.36255742	1.9478321	21	—	—
173428	2000 GR_{150}	16.2	X	203.23474	143.53664	183.95142	2.73472	0.1050722	0.22728389	2.6592364	21	2 7.3	20.2
173429	2000 GZ_{152}	15.8	X	1.71732	238.10984	329.10132	7.09209	0.0330852	0.23349393	2.6118746	21	3 21.6	19.1
173430	2000 GM_{154}	16.6	X	349.83748	296.78055	288.09701	3.56517	0.2069294	0.23353580	2.6115624	21	3 8.4	19.2
173431	2000 GB_{163}	15.7	X	37.66619	110.04682	80.15795	13.87929	0.1199231	0.23549328	2.5970703	21	5 3.6	18.7
173432	2000 GE_{178}	16.6	X	22.80211	264.31613	303.67141	3.87430	0.2227285	0.23746342	2.5826858	21	4 27.5	18.5
173433	2000 HL_{1}	16.7	X	241.53771	248.06270	36.57560	2.74276	0.0425258	0.22521569	2.6754918	21	1 29.6	20.4
173434	2000 HD_{43}	15.8	X	247.81256	168.69322	65.06725	5.76513	0.1044519	0.21970192	2.7200704	21	—	—
173435	2000 HT_{43}	16.1	X	188.09637	81.95587	208.05733	1.33664	0.0470359	0.21789509	2.7350866	21	—	—
173436	2000 HQ_{72}	15.9	X	307.04477	37.22214	239.83801	7.37595	0.2110784	0.23160703	2.6260414	21	3 10.9	19.6
173437	2000 JD_{42}	15.8	X	287.01615	210.39549	45.74121	15.27009	0.0569167	0.22725999	2.6594228	21	2 21.6	19.8
173438	2000 JL_{68}	16.4	X	50.18617	331.68189	93.52455	3.23690	0.0541566	0.22064158	2.7123422	21	—	—
173439	2000 KQ_{3}	17.0	X	220.83115	225.98656	101.63304	6.13013	0.2143236	0.31676360	2.1313063	21	2 15.5	20.4
173440	2000 KD_{39}	15.9	X	158.73335	189.74552	91.11135	6.45372	0.0327485	0.21266288	2.7797661	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
173441 2000 KY_{40}	16.2	X	332.22628	2.83126	212.44314	6.82035	0.2006362	0.22773300	2.6557391	21	1 26.9	19.6
173442 2000 KC_{54}	15.9	X	322.00027	78.68540	146.77761	15.06020	0.1587226	0.22698905	2.6615386	21	2 3.3	19.5
173443 2000 KE_{81}	16.3	X	164.47619	146.51108	145.51876	24.14104	0.0676720	0.35540790	1.9738675	21	—	—
173444 2000 LG_{3}	15.4	X	126.81357	25.56218	297.47030	25.29687	0.2725292	0.29970221	2.2114447	21	—	—
173445 2000 NC_{18}	15.0	X	249.10393	15.49585	348.60380	7.51346	0.2243737	0.17885547	3.1198561	21	5 1.3	20.2
173446 2000 OH_{9}	14.5	X	149.38940	154.27521	313.86956	17.31729	0.1515829	0.17921594	3.1156712	21	6 13.8	19.8
173447 2000 PT_{2}	16.8	X	332.71212	164.49297	187.87844	4.74077	0.1849989	0.28265711	2.2994790	21	8 26.4	18.3
173448 2000 PY_{23}	14.9	X	249.63903	96.99146	265.39195	7.51452	0.1950213	0.17913862	3.1165677	21	5 3.3	20.0
173449 2000 QO_{6}	15.5	X	303.93125	46.18651	286.83484	8.90516	0.0716103	0.18082872	3.0971182	21	6 17.9	19.6
173450 2000 QG_{7}	15.1	X	4.33356	49.66003	160.98466	30.11897	0.0675152	0.22180162	2.7028759	21	4 5.4	18.7
173451 2000 QN_{8}	15.0	X	293.16537	223.48827	167.13407	13.85471	0.3064475	0.18333616	3.0688144	21	7 10.9	19.4
173452 2000 QE_{14}	17.4	X	72.70021	72.19972	305.39096	0.82899	0.2253807	0.29737130	2.2229858	21	—	—
173453 2000 QF_{16}	15.1	X	210.90850	56.20061	329.82717	15.13987	0.1853600	0.17509511	3.1643660	21	4 23.0	20.7
173454 2000 QD_{20}	16.7	X	146.69903	262.05437	132.73590	2.09582	0.1700747	0.30803810	2.1713663	21	2 28.8	19.4
173455 2000 QE_{41}	15.3	X	221.53292	303.06300	318.24078	10.53106	0.2405305	0.21213794	2.7843500	21	—	—
173456 2000 QV_{41}	15.8	X	333.02566	134.34483	195.82898	1.20451	0.2444995	0.18616772	3.0376178	21	7 9.5	18.8
173457 2000 QG_{45}	17.3	X	218.04758	186.35175	151.33356	1.84601	0.2347329	0.31252143	2.1505499	21	2 24.7	20.9
173458 2000 QV_{82}	16.5	X	102.42096	205.44084	174.74317	6.99085	0.2485203	0.29960523	2.2119219	21	—	—
173459 2000 QX_{88}	16.9	X	56.75053	209.58451	182.88906	5.19691	0.2250954	0.29565781	2.2315664	21	—	—
173460 2000 QU_{92}	17.1	X	146.90282	84.73576	282.96365	2.33397	0.1933990	0.30476280	2.1868957	21	1 26.5	19.7
173461 2000 QC_{96}	16.7	X	230.57272	273.22021	16.47004	2.67081	0.1701148	0.30854265	2.1689985	21	1 7.1	19.9
173462 2000 QM_{107}	15.2	X	288.04445	225.11121	116.20750	2.65303	0.1790499	0.18071720	3.0983922	21	5 22.6	19.6
173463 2000 QH_{131}	15.1	X	264.20646	71.78799	322.28296	10.49890	0.1204686	0.18336083	3.0685392	21	7 9.1	19.6
173464 2000 QX_{154}	14.5	X	213.50986	65.97295	295.47958	25.94273	0.1734998	0.17481049	3.1677997	21	3 19.5	20.3
173465 2000 QX_{168}	15.1	X	329.25773	30.23367	328.65836	9.80271	0.0786609	0.18631650	3.0360005	21	8 27.5	18.9
173466 2000 QJ_{169}	16.8	X	101.87477	183.88880	225.35862	2.97897	0.1543331	0.30359906	2.1924806	21	1 13.8	18.8
173467 2000 QG_{194}	15.1	X	259.02675	147.43718	221.02199	10.97529	0.2242351	0.17951216	3.1122428	21	5 18.8	19.9
173468 2000 QF_{210}	15.3	X	223.77472	24.16607	339.55515	4.17978	0.1678978	0.17396215	3.1780901	21	4 14.0	20.6
173469 2000 RX_{27}	17.3	X	57.72753	82.37804	310.48771	3.57406	0.1529047	0.29525027	2.2336194	21	—	—
173470 2000 RZ_{46}	16.7	X	166.86680	59.36757	296.45196	6.41072	0.1972043	0.30490848	2.1861991	21	2 1.3	19.8
173471 2000 RX_{57}	17.0	X	207.60396	231.75311	345.24220	6.83967	0.0335409	0.29195981	2.2503704	21	—	—
173472 2000 RS_{87}	14.9	X	253.69448	263.84491	342.69331	8.74593	0.1899559	0.21115018	2.7930267	21	—	—
173473 2000 RD_{90}	17.0	X	59.88021	94.15976	312.13404	4.71008	0.1442569	0.29747462	2.2224710	21	—	—
173474 2000 RH_{104}	15.9	X	145.47280	110.62717	255.34796	7.11952	0.2498808	0.30342792	2.1933050	21	1 28.1	18.9
173475 2000 SA_{1}	15.6	X	5.10028	67.75877	329.32586	23.22723	0.2964822	0.28556165	2.2838599	21	—	—
173476 2000 SZ_{27}	17.2	X	173.69844	17.09289	315.38042	4.02822	0.2027687	0.30488260	2.1863228	21	1 10.9	20.3
173477 2000 SG_{35}	15.5	X	217.19454	225.20037	125.06334	2.16814	0.1497315	0.17072741	3.2181075	21	3 26.9	20.8
173478 2000 SE_{38}	14.9	X	227.22728	40.56028	16.51942	9.43123	0.0719280	0.17839789	3.1251887	21	6 30.2	19.7
173479 2000 SB_{52}	15.0	X	80.73339	6.08991	197.72791	9.35314	0.0092388	0.17976224	3.1093556	21	7 7.1	19.5
173480 2000 SQ_{67}	15.1	X	325.70348	293.37561	22.02721	5.17349	0.1426993	0.18037726	3.1022838	21	6 17.5	18.9
173481 2000 SB_{73}	16.6	X	133.01768	310.98270	41.82655	4.28524	0.2174031	0.30052760	2.2073937	21	—	—
173482 2000 ST_{84}	15.4	X	241.33261	257.41394	90.86211	1.94343	0.2021334	0.17259098	3.1949004	21	4 11.5	20.6
173483 2000 SD_{86}	17.0	X	204.41866	250.00513	70.90360	5.25944	0.2180409	0.30677783	2.1773090	21	1 25.4	20.6
173484 2000 SW_{91}	15.1	X	315.69246	36.37741	297.22711	11.06895	0.1188202	0.18238003	3.0795306	21	6 30.1	19.0
173485 2000 SG_{109}	17.2	X	175.83385	330.16466	6.56321	3.09008	0.1997631	0.30479648	2.1867347	21	1 18.5	20.3
173486 2000 SK_{133}	16.5	X	30.69085	190.69322	256.41714	7.55533	0.0264730	0.29978707	2.2110274	21	—	—
173487 2000 SR_{134}	15.1	X	215.42719	83.73653	320.33787	15.60000	0.1132132	0.17551125	3.1593622	21	5 26.1	20.3
173488 2000 SO_{139}	15.1	X	216.72795	79.40590	346.86059	15.36512	0.2503295	0.17440614	3.1726942	21	6 19.1	20.8
173489 2000 SE_{173}	14.7	X	258.50418	35.00882	310.01634	21.56075	0.0859895	0.17497965	3.1657578	21	4 24.8	19.9
173490 2000 SP_{176}	16.8	X	104.30043	109.61823	253.62948	5.68621	0.1968480	0.29678251	2.2259249	21	—	—
173491 2000 SY_{185}	16.8	X	9.18483	268.36138	205.17584	3.32220	0.1803371	0.29716609	2.2240090	21	—	—
173492 2000 SZ_{187}	16.7	X	169.11836	190.58479	170.05226	6.08761	0.1765409	0.30562992	2.1827574	21	2 7.4	19.7
173493 2000 SW_{208}	15.2	X	231.22674	250.28563	118.44590	6.54193	0.1910697	0.17346821	3.1841201	21	4 29.3	20.5
173494 2000 SG_{250}	15.3	X	308.16856	187.04854	134.58397	6.40199	0.1829087	0.17956845	3.1115923	21	5 25.0	19.4
173495 2000 SW_{272}	17.2	X	110.61189	94.56713	219.25543	4.36866	0.1977934	0.29345688	2.2427103	21	—	—
173496 2000 SO_{284}	17.0	X	96.17483	70.45993	316.25546	4.80130	0.0991462	0.29944977	2.2126874	21	—	—
173497 2000 SQ_{301}	17.3	X	82.87842	81.07297	320.89527	3.29415	0.1844606	0.29817273	2.2190007	21	—	—
173498 2000 SH_{308}	14.6	X	291.52371	324.99480	345.44281	17.61584	0.1148176	0.17333989	3.1856914	21	4 19.0	19.4
173499 2000 SU_{309}	14.3	X	305.24228	70.96347	291.70230	20.08576	0.1222913	0.18076410	3.0978562	21	7 20.5	18.3
173500 2000 SL_{311}	14.5	X	273.28146	11.68834	343.56702	27.65788	0.1685830	0.17597439	3.1538163	21	5 11.8	19.8
173501 2000 SU_{311}	14.9	X	304.00582	30.32176	323.62885	24.07788	0.2119581	0.18123376	3.0925019	21	6 29.2	19.2
173502 2000 ST_{356}	16.7	X	102.25487	313.28146	42.96841	6.69507	0.2395718	0.29901629	2.2148253	21	—	—
173503 2000 TQ_{53}	15.3	X	323.43821	270.49226	31.94727	6.50694	0.1410216	0.17691333	3.1426476	21	5 26.8	19.2
173504 2000 TG_{55}	15.0	X	58.27038	161.92788	122.82470	11.40825	0.0981872	0.18639458	3.0351526	21	10 9.7	19.3
173505 2000 UH_{7}	16.6	X	65.43836	201.82917	209.25451	6.00475	0.1688895	0.29571308	2.2312883	21	—	—
173506 2000 UW_{22}	16.9	X	134.61821	231.51264	118.75701	4.03144	0.1874530	0.29914944	2.2141681	21	—	—
173507 2000 UC_{42}	16.2	X	168.43580	304.66784	48.66478	5.86554	0.1933063	0.30364596	2.1922549	21	2 2.5	19.4
173508 2000 UU_{43}	16.7	X	186.14086	351.47105	5.14616	1.84029	0.2200757	0.30651352	2.1785605	21	2 22.9	20.2
173509 2000 UK_{50}	16.2	X	84.58461	319.13567	53.10602	6.58593	0.2220686	0.29360464	2.2419578	21	—	—
173510 2000 UL_{59}	17.4	X	170.48337	12.07846	336.31677	4.13114	0.1526927	0.30397698	2.1906630	21	1 23.7	20.4
173511 2000 UE_{63}	16.3	X	161.72698	203.67942	239.07754	7.65263	0.2079988	0.26386277	2.4074132	21	5 24.2	20.3
173512 2000 UM_{63}	16.8	X	197.89024	62.63677	283.21512	1.74382	0.1770756	0.30715675	2.1755180	21	2 16.5	19.9
173513 2000 UR_{65}	15.0	X	267.13599	304.16190	6.76669	5.87774	0.0801235	0.16909447	3.2387923	21	4 3.5	19.8
173514 2000 UY_{71}	16.6	X	171.54779	352.95908	324.94322	2.57171	0.2007383	0.30016499	2.2091711	21	—	—
173515 2000 UY_{79}	16.7	X	87.23935	333.29126	37.68905	3.97038	0.1835196	0.29331716	2.2434225	21	—	—
173516 2000 UE_{84}	17.4	X	15.05962	355.09584	59.86434	1.13724	0.1703370	0.28977972	2.2616430	21	—	—
173517 2000 UH_{105}	16.5	X	59.16092	303.83546	98.91704	6.36211	0.0935874	0.29543750	2.2326756	21	—	—
173518 2000 UN_{107}	16.8	X	108.39101	232.32585	130.45577	5.13332	0.1584194	0.29657415	2.2269673	21	—	—
173519 2000 VW_{8}	16.9	X	121.65158	165.93888	146.53020	1.96929	0.1900696	0.29326093	2.2437092	21	—	—
173520 2000 VZ_{14}	16.6	X	4.22034	232.56237	193.77034	5.84044	0.2106027	0.28828312	2.2694637	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
173521 2000 VY_{27}	16.6	X	69.42796	196.00838	206.76802	8.36157	0.1988012	0.29435952	2.2381232	21	—	—
173522 2000 VK_{43}	16.8	X	66.39381	16.66556	19.61464	3.11144	0.2037668	0.29393862	2.2402593	21	—	—
173523 2000 VG_{48}	17.0	X	120.84967	47.84367	320.02009	1.16110	0.2251173	0.29829251	2.2184066	21	—	—
173524 2000 VX_{51}	14.9	X	280.35197	26.75566	3.95961	8.90073	0.0393004	0.17759608	3.1345880	21	8 7.8	19.3
173525 2000 VF_{53}	16.5	X	105.88669	59.54050	326.85863	4.43503	0.1500512	0.29803286	2.2196949	21	—	—
173526 2000 VX_{55}	16.3	X	128.45736	331.86208	32.31786	4.91962	0.1541418	0.29824976	2.2186186	21	—	—
173527 2000 VO_{60}	16.5	X	101.14062	115.22569	255.41633	3.69938	0.1812930	0.29518651	2.2339411	21	—	—
173528 2000 WV_{1}	17.2	X	67.20902	36.44662	81.96567	1.69863	0.0892420	0.30099159	2.2051246	21	2 19.0	19.1
173529 2000 WY_{3}	14.4	X	331.94562	26.97849	275.57750	15.08130	0.1525937	0.17732521	3.1377794	21	6 10.1	18.2
173530 2000 WF_{13}	16.9	X	36.75859	278.38044	61.91032	7.25140	0.2816145	0.28430731	2.2905724	21	12 30.9	20.0
173531 2000 WB_{29}	16.6	X	320.13350	332.35880	85.38086	11.53361	0.0810091	0.28108239	2.3080593	21	11 20.9	19.0
173532 2000 WW_{35}	16.5	X	5.99651	336.44762	107.26371	7.52793	0.1154661	0.28889905	2.2662369	21	—	—
173533 2000 WX_{42}	16.6	X	338.92727	276.90020	174.83740	3.09640	0.0840113	0.28769489	2.2725561	21	—	—
173534 2000 WY_{71}	16.9	X	28.89060	88.45937	13.11192	6.53398	0.0928463	0.29582252	2.2307380	21	—	—
173535 2000 WF_{76}	17.1	X	3.57635	18.39051	14.80974	2.96607	0.1431827	0.28496487	2.2870474	21	—	—
173536 2000 WX_{77}	16.7	X	44.75981	53.68419	28.30539	5.51120	0.1260242	0.29502847	2.2347388	21	—	—
173537 2000 WJ_{108}	16.5	X	74.37808	350.86975	22.47025	4.93549	0.1574864	0.29184997	2.2509349	21	—	—
173538 2000 WY_{116}	16.4	X	96.59084	320.14236	40.16430	6.81971	0.2032341	0.29207978	2.2497541	21	—	—
173539 2000 WD_{130}	16.5	X	48.79321	253.66755	72.01982	8.91554	0.2642184	0.28321770	2.2964436	21	12 22.2	19.7
173540 2000 WG_{132}	15.4	X	314.97715	10.58228	112.68742	24.93658	0.2027797	0.28699599	2.2762441	21	—	—
173541 2000 WS_{133}	16.6	X	20.05584	140.88139	294.60244	6.69637	0.0952897	0.29209048	2.2496992	21	—	—
173542 2000 WT_{163}	16.7	X	259.84979	21.09874	326.73964	0.55782	0.2068832	0.26748784	2.3856131	21	4 19.4	20.2
173543 2000 WP_{173}	14.3	X	240.73400	210.90264	180.77926	10.20417	0.2675877	0.12518898	3.9575401	21	5 29.5	20.8
173544 2000 WC_{179}	16.0	X	0.42563	256.91337	107.79939	23.98176	0.2574185	0.28205913	2.3027278	21	12 11.6	18.3
173545 2000 WF_{179}	16.4	X	92.08024	243.24368	126.89896	6.69805	0.2174246	0.29446009	2.2376136	21	—	—
173546 2000 XZ_{18}	16.2	X	353.17880	160.11784	337.86084	6.55845	0.1289056	0.29422979	2.2387811	21	—	—
173547 2000 XC_{28}	16.5	X	43.12836	321.09664	50.68596	8.71870	0.1656590	0.28528948	2.2853122	21	—	—
173548 2000 XH_{31}	16.5	X	75.32826	44.70828	20.81439	7.91158	0.0896260	0.29598253	2.2299339	21	—	—
173549 2000 XF_{47}	15.2	X	329.68881	78.24133	4.83368	22.76961	0.2869583	0.28253651	2.3001333	21	—	—
173550 2000 XJ_{52}	16.5	X	305.78645	66.98630	347.07457	6.89232	0.1082988	0.27624726	2.3349132	21	10 12.7	19.0
173551 2000 YH_{17}	16.5	X	111.04317	256.13694	93.55829	7.43286	0.1607108	0.29031123	2.2588817	21	—	—
173552 2000 YF_{51}	17.0	X	310.87729	101.95110	344.38784	1.88035	0.1760208	0.28019724	2.3129175	21	12 12.2	18.5
173553 2000 YY_{89}	17.2	X	292.68937	30.53963	114.75025	4.33682	0.1557178	0.28388378	2.2928501	21	—	—
173554 2000 YG_{92}	16.7	X	27.09362	218.47147	237.98246	3.09173	0.1290349	0.29205327	2.2498903	21	—	—
173555 2000 YY_{107}	16.6	X	50.39697	9.59401	51.81371	2.18455	0.0856000	0.29047740	2.2580202	21	—	—
173556 2000 YV_{125}	16.5	X	243.56382	136.79686	350.17104	7.51880	0.1408232	0.27429694	2.3459679	21	10 13.8	19.4
173557 2000 YU_{127}	16.3	X	4.84443	13.85926	24.21631	4.38204	0.2333521	0.28202958	2.3028887	21	—	—
173558 2000 YG_{128}	16.4	X	313.70545	44.14926	333.14977	6.35597	0.1320612	0.27064700	2.3670126	21	8 30.5	18.6
173559 2000 YV_{128}	16.8	X	248.48785	42.20554	92.84918	5.77372	0.0719268	0.27541015	2.3396420	21	11 15.9	19.5
173560 2000 YA_{129}	16.3	X	102.61766	114.70844	90.44584	8.03614	0.0862819	0.26381084	2.4077291	21	8 25.5	19.6
173561 2000 YV_{137}	18.3	X	11.56400	211.34444	137.23524	28.00194	0.3110381	0.56566340	1.4479848	21	—	—
173562 2001 AE_{4}	16.6	X	9.04472	277.79040	158.56105	4.96392	0.1646505	0.28664652	2.2780938	21	—	—
173563 2001 AG_{12}	16.3	X	165.44553	200.78300	275.29660	11.72132	0.1810629	0.26239744	2.4163675	21	7 8.1	20.1
173564 2001 AD_{22}	16.7	X	276.16412	80.39031	50.25800	4.10867	0.1250865	0.28023843	2.3126909	21	12 14.0	18.8
173565 2001 AN_{27}	16.7	X	257.87233	100.88117	52.80956	7.35924	0.2430353	0.27891462	2.3200029	21	11 26.3	19.1
173566 2001 AA_{40}	16.7	X	69.12616	318.29459	82.19493	6.76468	0.0988932	0.28946930	2.2632596	21	—	—
173567 2001 BY_{9}	16.7	X	40.44169	203.92665	173.64338	2.06581	0.1359031	0.28309636	2.2970998	21	—	—
173568 2001 BH_{13}	17.3	X	252.54195	224.84755	305.19319	1.23122	0.1851913	0.27983860	2.3148932	21	12 21.7	19.9
173569 2001 BL_{20}	16.6	X	10.71052	340.45745	102.36549	8.56724	0.0814370	0.28558500	2.2837354	21	—	—
173570 2001 BP_{23}	17.1	X	283.19387	9.36670	120.73587	6.19793	0.1076493	0.28014017	2.3132316	21	12 28.0	19.4
173571 2001 BU_{29}	16.7	X	309.72860	345.01415	126.84613	5.47133	0.1002063	0.28157933	2.3053429	21	—	—
173572 2001 BC_{34}	16.2	X	200.19484	0.37063	124.34714	4.87780	0.0906778	0.26552621	2.3973482	21	8 28.1	19.5
173573 2001 BA_{35}	16.7	X	265.86136	234.34295	301.13546	3.91193	0.2267889	0.28024182	2.3126723	21	—	—
173574 2001 BP_{35}	16.9	X	238.40577	319.20992	263.35198	3.91196	0.1968982	0.28407812	2.2918043	21	—	—
173575 2001 BS_{50}	16.3	X	255.14565	320.16707	130.97096	6.13908	0.0806034	0.26839360	2.3802429	21	9 23.6	19.2
173576 2001 BR_{55}	16.5	X	263.64617	19.24962	151.91919	10.72016	0.1682475	0.28131037	2.3068121	21	—	—
173577 2001 BB_{64}	15.8	X	258.92381	225.04930	213.41911	1.75235	0.1740395	0.26910019	2.3760744	21	8 23.7	19.0
173578 2001 BJ_{68}	16.4	X	298.67748	157.00438	36.10349	1.57325	0.1470148	0.28605385	2.2812393	21	—	—
173579 2001 BT_{73}	16.8	X	331.33076	257.39773	160.93915	2.79782	0.1455031	0.27831374	2.3233410	21	12 12.1	18.6
173580 2001 CD_{1}	16.4	X	294.68836	100.69477	0.64638	2.98846	0.1112493	0.27685756	2.3314805	21	12 4.3	18.6
173581 2001 CB_{7}	16.4	X	261.25682	101.56190	356.73772	6.41490	0.0780142	0.27133803	2.3629921	21	10 9.3	19.2
173582 2001 CG_{9}	16.6	X	185.07407	140.90225	2.61482	3.60030	0.1090247	0.26569271	2.3963465	21	9 3.9	19.9
173583 2001 CG_{10}	16.1	X	291.73371	267.22210	123.60104	7.18244	0.1473032	0.26880625	2.3778063	21	8 9.4	18.6
173584 2001 CD_{11}	16.4	X	359.01306	54.67540	338.77307	5.83980	0.1900071	0.27894231	2.3198494	21	—	—
173585 2001 CC_{14}	16.6	X	328.96129	73.01877	2.16820	5.26168	0.1075223	0.27909362	2.3190109	21	12 30.8	18.9
173586 2001 CS_{22}	17.0	X	325.65865	142.81265	328.16420	4.90072	0.1075271	0.28290607	2.2981297	21	—	—
173587 2001 CA_{24}	17.2	X	317.96466	259.68847	167.24585	2.63091	0.2130362	0.27808930	2.3245909	21	11 27.1	18.5
173588 2001 DK_{9}	16.8	X	283.97724	45.67729	28.15842	5.31945	0.0899052	0.27314414	2.3525641	21	10 9.7	19.3
173589 2001 DE_{11}	17.3	X	290.00257	59.48636	55.14846	1.60469	0.1677311	0.27761848	2.3272183	21	12 10.4	19.3
173590 2001 DU_{11}	16.9	X	293.12601	347.52323	118.37902	2.78408	0.1244546	0.27615830	2.3354146	21	12 7.8	19.0
173591 2001 DH_{24}	16.8	X	193.26190	67.72076	66.79407	3.78576	0.0979906	0.26611680	2.3938000	21	9 2.9	20.3
173592 2001 DQ_{26}	16.7	X	223.61187	171.16093	28.78472	3.16054	0.1882212	0.27675256	2.3320702	21	12 21.2	19.9
173593 2001 DK_{30}	16.4	X	274.58572	327.25803	138.93645	6.44159	0.0792235	0.27292110	2.3538456	21	11 13.6	19.1
173594 2001 DA_{33}	16.6	X	177.85685	161.29385	11.08994	4.73493	0.0859709	0.26739790	2.3861480	21	10 4.6	19.8
173595 2001 DL_{44}	14.7	X	215.97297	327.16094	339.23103	14.54484	0.1684033	0.24147827	2.5539791	21	1 27.9	19.0
173596 2001 DC_{48}	16.8	X	254.45424	249.64478	285.78442	3.13027	0.0558372	0.27801797	2.3249885	21	—	—
173597 2001 DD_{50}	16.9	X	261.29525	101.43390	40.75871	6.61867	0.1158387	0.27703650	2.3304765	21	12 5.8	19.4
173598 2001 DW_{50}	16.8	X	246.07277	31.19421	54.85800	6.44152	0.1729690	0.26744640	2.3858595	21	8 22.3	20.2
173599 2001 DF_{53}	17.1	X	344.43735	154.47355	288.59891	0.68163	0.2248544	0.28179793	2.3041505	21	—	—
173600 2001 DJ_{57}	16.7	X	306.12617	298.13608	107.36946	1.43872	0.2195426	0.27165718	2.3611410	21	9 17.8	18.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
173601 2001 DJ_{59}	16.9	X	238.76729	146.23199	351.63339	4.38938	0.1605571	0.27219470	2.3580315	21	10 20.3	20.1
173602 2001 DC_{66}	16.4	X	227.78850	213.11539	270.65999	1.62195	0.1463558	0.26941892	2.3742001	21	9 20.2	19.8
173603 2001 DF_{76}	16.8	X	351.67465	358.19408	152.67626	2.46124	0.1288292	0.28902838	2.2655608	21	—	—
173604 2001 DS_{101}	16.4	X	221.83598	87.75690	53.28239	6.52557	0.1260186	0.27109727	2.3643909	21	10 12.3	19.7
173605 2001 EM_5	16.6	X	135.67640	73.93235	87.65754	3.01760	0.1499011	0.25971035	2.4330062	21	8 7.9	20.2
173606 2001 EU_8	16.8	X	263.38180	41.20641	98.34404	1.98306	0.1580713	0.27535061	2.3399793	21	11 29.4	19.3
173607 2001 ER_{11}	16.1	X	190.57617	88.72481	112.67660	11.72035	0.1758370	0.26897999	2.3767823	21	11 21.7	20.0
173608 2001 EP_{12}	16.5	X	258.62980	65.56444	67.39187	6.91984	0.1018215	0.27367530	2.3495191	21	11 21.5	19.3
173609 2001 EC_{21}	16.4	X	0.43713	170.66105	323.39522	6.45220	0.0483165	0.28716684	2.2753411	21	—	—
173610 2001 FL_3	16.5	X	288.09648	144.54933	25.24553	4.00138	0.1741676	0.28052337	2.3111246	21	—	—
173611 2001 FJ_9	16.7	X	254.63602	215.31999	26.50079	2.55146	0.2469343	0.28365404	2.2940879	21	—	—
173612 2001 FV_{10}	16.0	X	98.66632	261.74229	353.37216	9.01094	0.1784801	0.26359681	2.4090323	21	10 29.0	19.8
173613 2001 FR_{17}	16.5	X	151.39577	264.34156	346.36822	2.32998	0.1903153	0.26937162	2.3744780	21	12 12.9	20.2
173614 2001 FN_{24}	15.2	X	143.00876	293.15309	340.50975	23.70763	0.1914301	0.27192412	2.3595955	21	—	—
173615 2001 FK_{27}	16.5	X	241.92061	189.12160	314.00536	5.24910	0.1721799	0.27181168	2.3602462	21	10 28.5	19.6
173616 2001 FO_{27}	16.4	X	242.76234	236.79538	334.97237	4.57516	0.1357646	0.27823615	2.3237729	21	—	—
173617 2001 FX_{35}	16.4	X	188.99430	286.88955	179.02913	4.77141	0.0688995	0.25980428	2.4324197	21	7 18.9	19.8
173618 2001 FL_{38}	16.7	X	202.72788	216.61547	333.06267	5.61602	0.2049506	0.27163766	2.3612541	21	11 11.1	20.5
173619 2001 FR_{41}	17.0	X	192.55989	213.69757	15.46970	2.89747	0.2075669	0.27327365	2.3518207	21	12 22.5	20.5
173620 2001 FE_{42}	16.7	X	147.45013	252.87869	317.84161	1.59690	0.1474630	0.26572402	2.3961583	21	10 20.7	20.5
173621 2001 FU_{48}	16.7	X	279.33030	28.92867	188.74672	1.71728	0.1828489	0.28258824	2.2998526	21	—	—
173622 2001 FT_{49}	17.0	X	228.60637	325.96318	192.27617	2.02759	0.1690101	0.27181931	2.3602020	21	11 4.7	20.0
173623 2001 FY_{51}	16.4	X	197.83982	219.73978	314.70953	4.89395	0.0564008	0.26836019	2.3804405	21	10 31.1	19.7
173624 2001 FA_{53}	17.1	X	338.15674	150.74601	324.97626	5.79780	0.2151838	0.28221581	2.3018755	21	—	—
173625 2001 FJ_{57}	16.3	X	193.05899	185.89112	28.00654	2.81137	0.1599751	0.27205296	2.3588505	21	12 7.9	19.8
173626 2001 FQ_{62}	16.5	X	174.72775	165.83556	53.11730	3.15244	0.1667227	0.27054238	2.3676228	21	11 25.9	20.1
173627 2001 FC_{66}	16.8	X	196.06845	80.32301	104.29409	2.39246	0.1258478	0.26966297	2.3727674	21	11 7.8	20.2
173628 2001 FF_{66}	16.8	X	182.73608	60.02487	106.21613	3.39697	0.1210778	0.26577830	2.3958320	21	10 1.9	20.4
173629 2001 FC_{69}	16.4	X	94.78206	173.80818	55.18973	3.29128	0.0908215	0.26020897	2.4298970	21	9 16.1	19.6
173630 2001 FK_{72}	16.6	X	247.96515	90.38548	48.90295	6.74381	0.1940047	0.27175171	2.3605934	21	10 31.2	19.6
173631 2001 FH_{87}	16.5	X	174.56278	82.00631	38.89653	13.90066	0.1638614	0.25915860	2.4364582	21	7 27.5	20.7
173632 2001 FT_{87}	16.8	X	78.30724	151.17195	103.49634	3.96819	0.1585566	0.26017031	2.4301378	21	10 9.9	20.2
173633 2001 FM_{92}	16.5	X	227.32270	57.33919	121.42130	6.01472	0.1622894	0.27406493	2.3472918	21	12 2.2	19.5
173634 2001 FB_{106}	16.5	X	280.77317	51.34919	41.00099	4.56172	0.1444515	0.27245955	2.3565031	21	10 22.9	19.0
173635 2001 FQ_{106}	16.9	X	227.02704	271.22661	276.54972	4.01505	0.1266262	0.27464078	2.3440095	21	12 17.9	19.8
173636 2001 FV_{107}	16.6	X	246.13183	163.37861	330.94037	7.59968	0.0804410	0.27186429	2.3599417	21	11 4.6	19.6
173637 2001 FS_{122}	16.6	X	105.05219	160.11456	78.34226	3.49391	0.1380522	0.26240543	2.4163185	21	10 15.6	20.1
173638 2001 FQ_{125}	16.8	X	188.89305	193.86154	6.35811	1.72468	0.1658951	0.27072854	2.3665373	21	11 15.8	20.3
173639 2001 FH_{133}	16.4	X	139.20438	159.11887	67.54892	3.86641	0.1169843	0.26527792	2.3988439	21	11 2.9	19.8
173640 2001 FK_{140}	16.8	X	238.55321	18.27446	132.76925	4.10789	0.0861526	0.27153451	2.3618521	21	11 20.8	19.8
173641 2001 FE_{142}	17.4	X	255.65680	273.27779	224.29589	1.49984	0.1542127	0.27276920	2.3547194	21	11 14.5	19.9
173642 2001 FK_{150}	16.4	X	193.38771	215.15724	327.65702	7.34492	0.1650725	0.26848755	2.3796876	21	10 26.1	20.1
173643 2001 FG_{154}	14.2	X	218.13613	108.84357	69.18813	3.86915	0.1409327	0.12583838	3.9439128	21	11 2.9	20.1
173644 2001 FC_{161}	16.2	X	171.50146	113.63057	76.02013	7.52848	0.1271322	0.26613671	2.3936806	21	10 21.6	19.9
173645 2001 FX_{163}	16.1	X	176.81449	110.42301	343.30989	12.59465	0.1827915	0.25850807	2.4405440	21	6 20.6	20.3
173646 2001 FM_{170}	16.5	X	172.27667	34.93435	187.72835	2.88600	0.1521858	0.26913899	2.3758461	21	11 29.4	20.2
173647 2001 FD_{171}	15.8	X	213.76982	147.41855	78.95952	8.67974	0.2050508	0.27591188	2.3368049	21	—	—
173648 2001 FS_{171}	16.5	X	110.85417	29.69871	132.65221	13.18477	0.1913439	0.25513468	2.4620094	21	7 16.5	20.1
173649 Jeffreymoore	16.4	X	226.08318	331.64401	336.60396	3.65330	0.1656810	0.23947120	2.5682297	21	2 4.9	20.7
173650 2001 FO_{186}	16.7	X	173.61913	61.77334	132.25407	5.20590	0.0988011	0.26830729	2.3807533	21	10 30.0	20.2
173651 2001 FZ_{186}	16.2	X	318.99456	129.31855	316.71331	6.33145	0.0700186	0.27456872	2.3444196	21	12 26.0	18.7
173652 2001 FN_{193}	16.3	X	96.72860	112.74316	122.56946	7.16837	0.0757693	0.26331114	2.4107743	21	9 27.1	19.6
173653 2001 GY_2	16.1	X	260.22846	350.83632	153.82662	24.73328	0.2125599	0.27391983	2.3481206	21	11 28.1	19.4
173654 2001 HC_2	16.0	X	74.06132	202.25606	37.50494	5.12491	0.1926097	0.25611019	2.4557537	21	9 19.2	19.3
173655 2001 HX_{12}	16.0	X	116.38174	67.31859	190.64742	2.26684	0.1759978	0.26350876	2.4095689	21	11 21.4	19.9
173656 2001 HD_{13}	16.5	X	126.38516	196.19639	5.28177	0.96785	0.1302685	0.25971293	2.4329900	21	9 17.7	20.1
173657 2001 HN_{14}	17.0	X	127.31612	204.55276	26.51323	3.70993	0.0852420	0.26531308	2.3986319	21	10 24.9	20.2
173658 2001 HX_{26}	16.3	X	107.52991	145.93314	70.39200	3.93909	0.1443120	0.25796674	2.4439571	21	9 20.3	19.9
173659 2001 HC_{38}	16.1	X	157.25153	80.44258	94.09823	10.43130	0.1425317	0.25953548	2.4340989	21	9 19.7	20.1
173660 2001 HD_{53}	16.4	X	229.50115	35.19775	160.98143	3.14225	0.1343773	0.27251606	2.3561774	21	12 30.6	19.4
173661 2001 HR_{61}	16.7	X	86.09576	158.28452	65.29930	4.41830	0.1137298	0.25615028	2.4554975	21	9 1.3	20.0
173662 2001 HT_{63}	16.4	X	114.98227	205.69224	5.02997	1.93956	0.1570834	0.25868622	2.4394234	21	9 19.9	20.1
173663 2001 HW_{63}	16.8	X	154.65362	6.65047	193.48874	0.99540	0.1273581	0.26320196	2.4114410	21	10 14.7	20.3
173664 2001 JU_2	19.6	X	213.03795	227.30674	100.75820	4.01494	0.2688345	0.52721896	1.5175466	21	1 11.4	20.7
173665 2001 KM_3	16.7	X	123.93196	336.06748	260.08525	1.32150	0.1694923	0.26181882	2.4199263	21	10 31.1	20.6
173666 2001 KN_3	16.5	X	109.76781	174.31517	80.61740	3.19607	0.1820653	0.26176570	2.4202537	21	11 12.1	20.2
173667 2001 KZ_{14}	16.2	X	77.91145	136.99774	124.60939	3.34334	0.1641545	0.25797728	2.4438905	21	10 18.4	19.6
173668 2001 KU_{38}	15.9	X	301.08340	201.48983	88.68841	12.78829	0.2077166	0.24101830	2.5572275	21	3 30.8	19.6
173669 2001 KU_{52}	16.2	X	173.96923	288.91250	280.62493	4.30294	0.2250044	0.26774123	2.3841078	21	11 9.5	20.3
173670 2001 LR_{17}	15.8	X	198.76593	16.76061	282.67493	12.01057	0.1713424	0.22404182	2.6848292	21	1 3.9	20.2
173671 2001 MV_{15}	15.6	X	215.96880	1.56597	273.46266	17.62751	0.2554489	0.22845034	2.6501768	21	—	—
173672 2001 NY_8	15.9	X	236.67051	216.49836	92.39124	5.56976	0.1476391	0.23093438	2.6311382	21	2 18.2	20.1
173673 2001 NQ_{17}	15.4	X	25.65282	302.28789	103.42522	10.00020	0.1993396	0.21194220	2.7860640	21	—	—
173674 2001 OC_2	15.9	X	208.49332	223.65556	53.22375	5.75947	0.1245525	0.22281339	2.6946882	21	—	—
173675 2001 OZ_7	15.4	X	249.86087	3.08577	299.25684	12.03922	0.2416170	0.23029478	2.6360076	21	2 12.5	20.0
173676 2001 OQ_{11}	15.4	X	349.42451	21.51309	4.43381	9.60945	0.1458969	0.20461450	2.8521899	21	11 6.0	18.6
173677 2001 OV_{18}	16.9	X	210.75327	350.19252	301.67602	18.65911	0.0652338	0.37361252	1.9092162	21	—	—
173678 2001 OM_{29}	15.1	X	78.68387	215.64220	111.40007	13.88694	0.2280330	0.21009925	2.8023328	21	—	—
173679 2001 OH_{39}	15.3	X	276.71828	261.45057	116.54588	9.88373	0.3250325	0.19025028	2.9940049	21	6 5.9	20.0
173680 2001 OZ_{45}	15.8	X	58.68832	22.91577	340.18023	3.55074	0.2072180	0.21086820	2.7955160	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
173681 2001 OU_{50}	16.1	X	126.89060	237.35102	71.37402	8.84921	0.2192875	0.21347100	2.7727463	21	—	—
173682 2001 OX_{61}	15.6	X	148.50909	346.05427	345.84941	4.66548	0.1554975	0.21976025	2.7195891	21	—	—
173683 2001 OB_{63}	15.9	X	309.25775	335.92791	281.65162	3.01265	0.0747244	0.23326508	2.6135826	21	3 10.6	19.3
173684 2001 OP_{100}	15.6	X	271.82177	310.70608	336.96010	13.42733	0.0849655	0.23160218	2.6260780	21	3 2.4	19.3
173685 2001 OP_{106}	15.4	X	300.49603	48.36647	308.97217	10.59130	0.2769737	0.19163845	2.9795290	21	6 12.8	19.5
173686 2001 OP_{110}	15.8	X	312.19650	294.79318	324.19860	12.02187	0.1311711	0.23513006	2.5997441	21	3 5.9	19.4
173687 2001 OY_{112}	15.6	X	111.97145	45.94627	278.31256	5.42970	0.0428432	0.21464123	2.7626590	21	—	—
173688 2001 PM_{5}	15.8	X	141.92377	227.64379	103.76093	9.80894	0.1580303	0.21820008	2.7325374	21	—	—
173689 2001 PK_{9}	18.3	X	199.17777	313.83533	272.99046	10.41882	0.3947436	0.41519423	1.7795158	21	12 29.1	20.4
173690 2001 PL_{16}	15.9	X	107.56273	327.79750	42.10115	6.04966	0.1502513	0.21849344	2.7300909	21	—	—
173691 2001 PM_{19}	15.7	X	222.94693	172.34426	112.16796	14.89962	0.1680213	0.22552554	2.6730407	21	1 6.7	20.0
173692 2001 PS_{20}	15.3	X	83.48213	256.63812	63.82636	9.98138	0.1692715	0.20950259	2.8076510	21	12 27.3	19.7
173693 2001 PY_{37}	15.3	X	234.18650	292.56715	87.63280	11.36667	0.2011630	0.18625817	3.0366343	21	5 14.3	20.4
173694 2001 PS_{38}	15.6	X	246.47761	317.24748	53.45744	12.20219	0.1693324	0.18726215	3.0257709	21	5 13.9	20.4
173695 2001 PB_{65}	15.4	X	108.22344	286.55265	143.10799	22.40258	0.0573363	0.22759187	2.6568368	21	2 24.2	19.0
173696 2001 QN	16.8	X	309.83726	220.03954	324.71435	19.50393	0.0321026	0.37016741	1.9210438	21	—	—
173697 2001 QL_{5}	15.6	X	357.62883	227.01741	137.38032	9.07824	0.2272032	0.20152529	2.8812638	21	11 5.5	18.5
173698 2001 QR_{16}	16.0	X	165.55723	192.81971	131.60958	10.68244	0.2464328	0.22031174	2.7150487	21	1 10.1	20.5
173699 2001 QR_{34}	15.7	X	54.44860	77.85316	298.48996	8.77191	0.1495233	0.21301717	2.7766831	21	—	—
173700 2001 QC_{36}	16.0	X	129.61402	212.93430	133.21065	4.22331	0.1747235	0.21909470	2.7250938	21	—	—
173701 2001 QC_{43}	15.8	X	74.41581	62.70278	321.13559	12.06876	0.2157815	0.21434996	2.7651612	21	—	—
173702 2001 QN_{46}	15.5	X	61.08203	48.43155	314.75953	8.80850	0.1026806	0.21095506	2.7947487	21	—	—
173703 2001 QY_{50}	15.1	X	173.95013	76.22556	338.39690	23.67579	0.3613033	0.17894830	3.1187771	21	4 25.5	21.4
173704 2001 QG_{51}	15.9	X	294.88529	288.08218	357.69655	4.26478	0.2724407	0.23605775	2.5929285	21	3 3.6	19.8
173705 2001 QB_{61}	16.4	X	41.05395	114.04341	352.23917	20.45352	0.0853619	0.37063417	1.9194306	21	—	—
173706 2001 QQ_{66}	15.6	X	268.01014	321.93827	318.76955	11.10052	0.1785122	0.22931494	2.6435112	21	2 9.4	19.7
173707 2001 QL_{94}	15.8	X	66.64092	35.81561	336.47255	3.35940	0.1121648	0.20991188	2.8040002	21	—	—
173708 2001 QS_{94}	15.3	X	243.23690	240.16297	353.05871	17.05780	0.1059458	0.21675161	2.7446976	21	—	—
173709 2001 QU_{106}	14.7	X	160.58893	113.81401	239.91144	24.66280	0.2993514	0.17319209	3.1875036	21	2 7.6	20.7
173710 2001 QU_{121}	15.9	X	75.73053	17.73767	350.79233	6.36491	0.1080609	0.21355365	2.7720308	21	—	—
173711 2001 QR_{124}	15.7	X	64.82121	275.66354	96.38338	3.95280	0.0965644	0.21224201	2.7834397	21	—	—
173712 2001 QD_{130}	14.7	X	215.74886	77.73815	311.30615	21.05357	0.1928058	0.18428285	3.0582954	21	4 28.3	20.2
173713 2001 QC_{135}	15.5	X	246.09626	29.59364	324.52855	12.58811	0.3319365	0.18332197	3.0689728	21	4 6.3	21.1
173714 2001 QR_{139}	14.4	X	188.73992	62.36135	0.18771	21.04214	0.3443630	0.17744583	3.1363572	21	5 17.3	20.6
173715 2001 QD_{144}	16.7	X	357.49097	20.02971	337.04645	1.21976	0.0964154	0.19949872	2.9007434	21	10 10.8	20.2
173716 2001 QY_{148}	16.0	X	319.83211	160.49241	90.41809	3.92424	0.0961035	0.23445318	2.6047455	21	3 16.7	19.4
173717 2001 QC_{152}	15.0	X	218.29461	76.45447	286.03685	24.84463	0.2636824	0.17838787	3.1253057	21	3 23.5	21.0
173718 2001 QA_{153}	16.3	X	2.82541	11.24832	355.48222	6.23488	0.1190236	0.20123892	2.8839965	21	11 1.6	19.9
173719 2001 QX_{177}	15.5	X	38.98083	238.53961	138.30244	8.69642	0.2073788	0.20904254	2.8117687	21	—	—
173720 2001 QZ_{182}	15.1	X	20.25929	337.89962	94.10802	10.97652	0.1914295	0.21160218	2.7890478	21	—	—
173721 2001 QM_{188}	16.0	X	123.92534	187.96178	149.39080	4.45871	0.0971316	0.21685558	2.7438202	21	—	—
173722 2001 QK_{193}	15.2	X	232.87550	62.39684	303.96326	15.14816	0.2413759	0.18250991	3.0780694	21	4 14.5	20.8
173723 2001 QE_{195}	15.2	X	187.36729	72.18046	324.73582	10.20935	0.1842292	0.17780048	3.1321852	21	4 18.6	20.6
173724 2001 QQ_{200}	15.5	X	293.67015	57.47926	320.22080	13.96161	0.2437824	0.18996873	2.9969624	21	7 8.0	19.5
173725 2001 QE_{204}	15.8	X	138.24032	357.11631	260.59439	6.22633	0.0975027	0.20881034	2.8138528	21	12 1.1	20.2
173726 2001 QJ_{209}	15.6	X	4.02963	0.73347	317.51759	11.04824	0.0447880	0.19718809	2.9233597	21	8 25.6	19.3
173727 2001 QS_{210}	15.5	X	159.55031	225.95378	307.76349	8.92872	0.0577658	0.19684793	2.9267266	21	9 6.7	19.9
173728 2001 QP_{213}	15.8	X	189.43022	339.94302	326.77312	5.17436	0.0856347	0.22016039	2.7162929	21	1 1.0	19.9
173729 2001 QU_{216}	15.7	X	99.36921	304.04799	14.71278	3.96901	0.0989298	0.20948815	2.8077800	21	—	—
173730 2001 QW_{218}	15.9	X	244.77807	316.42376	347.39265	3.30882	0.1590039	0.22862304	2.6488420	21	2 17.8	20.0
173731 2001 QK_{223}	16.0	X	191.40967	203.98073	128.22445	6.79906	0.0563730	0.22557121	2.6726798	21	1 31.1	19.8
173732 2001 QV_{224}	15.7	X	324.41803	292.20919	298.71975	12.23444	0.1261043	0.23289747	2.6163321	21	2 14.6	19.2
173733 2001 QH_{238}	15.3	X	252.70020	355.47874	1.81154	6.28724	0.1188071	0.18455623	3.0552745	21	5 7.1	19.9
173734 2001 QT_{241}	15.3	X	7.17158	240.59725	146.32844	3.20561	0.0420235	0.20375926	2.8601654	21	11 30.2	19.1
173735 2001 QT_{270}	15.6	X	68.97955	136.29103	319.10595	21.54405	0.0361250	0.22711252	2.6605739	21	2 2.3	19.0
173736 2001 QJ_{273}	15.8	X	131.39574	285.52266	41.54363	5.65405	0.1223378	0.21599771	2.7510804	21	—	—
173737 2001 QM_{274}	15.9	X	131.03687	199.70050	104.47643	7.30825	0.0828711	0.21410379	2.7672803	21	—	—
173738 2001 QJ_{278}	15.1	X	245.35531	158.13128	116.99061	16.18155	0.2895941	0.22623918	2.6674165	21	1 10.3	19.9
173739 2001 QZ_{286}	16.4	X	136.86819	88.95182	230.96313	2.46649	0.1937024	0.21547394	2.7555368	21	—	—
173740 2001 QX_{287}	14.9	X	330.20039	345.53280	329.98805	10.89195	0.1200404	0.19116970	2.9843976	21	6 29.4	18.6
173741 2001 QL_{295}	15.1	X	245.99580	14.74308	16.70556	13.35998	0.1519060	0.18505841	3.0497448	21	6 7.6	20.0
173742 2001 QJ_{328}	14.9	X	269.55829	234.87207	120.46776	13.63821	0.2923051	0.18500721	3.0503075	21	5 10.0	20.0
173743 2001 QS_{328}	15.0	X	195.15054	306.90415	115.63679	14.15892	0.1044789	0.18238747	3.0794469	21	6 2.9	20.0
173744 2001 RP_{21}	16.3	X	204.82845	137.98214	156.87212	7.98520	0.1989942	0.22277056	2.6950336	21	1 4.2	21.0
173745 2001 RD_{24}	15.7	X	144.35557	297.11726	0.44207	3.86421	0.0528504	0.21312128	2.7757787	21	—	—
173746 2001 RH_{24}	15.8	X	24.35986	4.22032	354.17372	4.69229	0.1300669	0.20391291	2.8587284	21	11 26.9	19.4
173747 2001 RL_{30}	15.4	X	299.47646	258.44709	134.90945	4.31994	0.0954867	0.19551785	2.9399849	21	8 28.3	19.1
173748 2001 RW_{30}	15.9	X	65.07224	205.07383	152.58868	1.69007	0.0919407	0.20991258	2.8039939	21	—	—
173749 2001 RC_{36}	15.4	X	66.71824	31.13980	235.03563	4.05645	0.0491820	0.19822811	2.9131257	21	9 13.9	19.4
173750 2001 RB_{43}	15.5	X	218.81326	346.47785	280.10676	10.01063	0.1184493	0.21978909	2.7193512	21	—	—
173751 2001 RE_{46}	15.7	X	105.04557	31.90196	321.47208	3.38958	0.0801902	0.21316184	2.7754266	21	—	—
173752 2001 RB_{51}	15.9	X	26.45047	235.07979	331.19136	6.81246	0.1470301	0.23327054	2.6135418	21	4 29.0	18.6
173753 2001 RJ_{82}	15.6	X	350.57128	256.37964	322.62778	13.82649	0.0536507	0.22957848	2.6414877	21	3 16.7	19.2
173754 2001 RQ_{96}	15.2	X	141.22041	132.89606	335.15843	9.03371	0.1525835	0.18417281	3.0595135	21	6 3.9	20.2
173755 2001 RW_{97}	15.4	X	211.21901	48.72264	1.04012	7.05067	0.1163916	0.18314456	3.0709544	21	5 29.7	20.3
173756 2001 RM_{100}	15.3	X	276.87593	11.61824	353.16414	10.11784	0.1277705	0.19028058	2.9936871	21	6 13.5	19.7
173757 2001 RE_{104}	15.5	X	332.45573	317.64914	162.46839	9.69863	0.1065644	0.21298680	2.7769470	21	—	—
173758 2001 RF_{105}	15.9	X	97.85534	124.79261	149.20939	9.74131	0.1044239	0.20512007	2.8475014	21	11 12.8	20.3
173759 2001 RG_{106}	15.7	X	152.62333	217.43127	359.96039	2.26198	0.0477068	0.20374965	2.8602554	21	10 26.6	19.8
173760 2001 RG_{113}	16.2	X	110.21640	238.89120	107.64905	1.67040	0.0799531	0.21387911	2.7692179	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
173761 2001 RD_{117}	16.1	X	201.51945	91.95445	174.55115	2.04174	0.0158350	0.21541358	2.7560515	21	—	—
173762 2001 RC_{121}	15.6	X	55.66324	277.64877	77.62095	3.35544	0.0957767	0.20711236	2.8292112	21	12 30.6	19.6
173763 2001 RY_{122}	15.8	X	333.42560	254.03635	153.85913	2.63383	0.0567702	0.20226072	2.8742752	21	11 10.4	19.5
173764 2001 RF_{123}	15.8	X	112.56094	318.90521	3.44945	5.66224	0.0554849	0.21078792	2.7962258	21	—	—
173765 2001 RA_{135}	15.0	X	255.70163	334.54669	24.99742	12.26973	0.1730751	0.18538688	3.0461413	21	5 6.8	19.7
173766 2001 RV_{137}	15.6	X	339.71280	193.78160	351.02709	12.80618	0.0985719	0.22368483	2.6876849	21	1 20.5	19.2
173767 2001 RC_{138}	15.4	X	217.13357	275.32106	157.44265	10.53053	0.0898653	0.18922986	3.0047587	21	7 6.1	20.0
173768 2001 RB_{143}	15.1	X	255.76990	190.19506	222.07482	10.11321	0.0880259	0.19093962	2.9867945	21	7 22.3	19.6
173769 2001 RC_{143}	15.8	X	10.96060	76.39189	302.06226	7.07780	0.1817871	0.20253796	2.8716517	21	12 10.1	19.2
173770 2001 RQ_{149}	15.8	X	316.78292	135.01876	336.31821	3.97907	0.0701688	0.20916251	2.8106934	21	—	—
173771 2001 RF_{152}	15.4	X	290.34111	228.39057	68.67165	8.04174	0.2346547	0.18419886	3.0592251	21	3 26.9	20.1
173772 2001 RW_{152}	15.1	X	281.38069	272.52915	103.56169	12.71834	0.3202695	0.19029867	2.9934974	21	6 8.7	19.6
173773 2001 RF_{154}	15.3	X	241.56032	123.33958	296.30283	9.20022	0.1055383	0.19110522	2.9850688	21	7 15.8	19.5
173774 2001 SY_{11}	15.7	X	226.75794	203.63928	29.80610	4.71593	0.0210010	0.21430869	2.7655161	21	—	—
173775 2001 SZ_{15}	15.8	X	25.45074	209.85840	161.62082	2.34188	0.0894600	0.20413555	2.8566495	21	12 10.9	19.6
173776 2001 SE_{19}	15.4	X	292.73999	268.25265	126.83806	2.89573	0.1852904	0.19254035	2.9702172	21	8 6.2	19.0
173777 2001 SF_{19}	15.7	X	283.79749	220.30060	212.03286	1.16209	0.0553938	0.19808249	2.9145533	21	10 1.0	19.6
173778 2001 SK_{22}	15.7	X	216.47853	208.88767	2.14243	7.77173	0.1575853	0.20963350	2.8064820	21	12 18.2	20.0
173779 2001 SC_{32}	15.7	X	225.95005	53.72958	24.12537	8.61467	0.2426106	0.18631067	3.0360638	21	7 12.0	20.9
173780 2001 SV_{32}	15.6	X	132.98173	225.38945	13.39265	5.93459	0.0189054	0.19968122	2.8989756	21	10 28.2	19.7
173781 2001 SB_{61}	15.5	X	280.34734	303.62015	26.71544	4.21096	0.2082417	0.18482662	3.0522940	21	4 24.6	20.1
173782 2001 SZ_{76}	15.8	X	2.50518	75.53588	316.57379	5.09360	0.0683643	0.20328094	2.8646502	21	12 1.1	19.6
173783 2001 SL_{77}	15.5	X	202.99229	157.79897	251.79045	4.02517	0.1539014	0.18139584	3.0906595	21	5 21.7	20.5
173784 2001 SO_{77}	15.1	X	221.19727	23.35664	348.60714	9.33299	0.1069909	0.18035042	3.1025916	21	4 22.0	20.1
173785 2001 SQ_{82}	15.5	X	236.32857	303.30535	305.92369	4.54833	0.0126742	0.21888995	2.7267930	21	—	—
173786 2001 SC_{84}	15.8	X	167.89453	345.25508	284.77607	3.30971	0.0276432	0.21222479	2.7835902	21	—	—
173787 2001 SF_{85}	15.8	X	177.80009	294.49934	326.77895	5.61534	0.0242151	0.21203750	2.7852291	21	—	—
173788 2001 SR_{90}	15.8	X	70.61966	153.61566	349.75051	12.12234	0.0956149	0.22897105	2.6461573	21	4 10.1	19.2
173789 2001 SM_{98}	15.6	X	148.91304	323.98296	325.48989	7.16768	0.2041331	0.21257825	2.7805038	21	—	—
173790 2001 SO_{113}	15.7	X	242.39634	282.97755	328.88644	3.97256	0.1092075	0.21818604	2.7326546	21	—	—
173791 2001 SS_{122}	14.9	X	182.76590	82.67853	317.79980	12.54435	0.2874715	0.17966936	3.1104272	21	4 19.2	20.7
173792 2001 SY_{133}	15.3	X	162.49476	265.24792	194.16776	15.20067	0.2087040	0.18160709	3.0882624	21	6 16.5	20.8
173793 2001 SB_{135}	15.4	X	147.19489	309.63107	336.31712	2.38227	0.0559025	0.20983911	2.8046484	21	—	—
173794 2001 SB_{138}	16.3	X	265.02723	32.95914	351.44874	0.95030	0.2202928	0.18799881	3.0178615	21	6 13.1	21.0
173795 2001 SH_{141}	15.6	X	220.68710	204.17555	210.08747	0.58087	0.1880456	0.18424018	3.0587676	21	6 10.9	20.6
173796 2001 SD_{160}	15.1	X	312.78071	354.98396	2.37471	10.04974	0.1057354	0.19111666	2.9849497	21	8 1.5	19.0
173797 2001 SO_{166}	15.4	X	159.32225	67.84690	0.07330	11.87436	0.1573199	0.17882414	3.1202205	21	4 30.9	20.6
173798 2001 SA_{191}	16.3	X	25.54982	273.41792	152.29731	2.53299	0.0574259	0.21204930	2.7851258	21	—	—
173799 2001 SF_{202}	15.9	X	44.54177	9.12037	0.31006	1.56840	0.0816811	0.20666528	2.8332900	21	—	—
173800 2001 SS_{218}	15.8	X	54.60297	290.41234	30.48508	2.52454	0.1250724	0.20237293	2.8732127	21	11 19.9	19.8
173801 2001 SE_{225}	16.1	X	118.01300	159.56030	139.00439	2.72695	0.0416080	0.20645711	2.8351942	21	12 26.4	20.2
173802 2001 SN_{228}	15.4	X	293.46158	26.89475	23.85074	12.23824	0.0501822	0.19447977	2.9504376	21	9 20.9	19.4
173803 2001 SO_{229}	15.4	X	263.98842	288.60772	118.30850	2.83541	0.1097942	0.18931272	3.0038819	21	7 25.4	19.4
173804 2001 SM_{233}	15.9	X	34.67931	269.88003	80.97205	3.26705	0.0879706	0.20111313	2.8851990	21	11 26.6	19.6
173805 2001 SO_{233}	16.0	X	231.02241	350.35533	72.29858	3.59831	0.2588581	0.18508225	3.0494829	21	6 25.3	21.0
173806 2001 SO_{237}	16.3	X	357.43402	220.70107	127.74442	2.83779	0.1019748	0.19672509	2.9279447	21	9 30.8	19.8
173807 2001 SG_{238}	16.2	X	324.91125	214.89598	169.50353	2.33396	0.0827907	0.19602725	2.9348895	21	9 25.4	19.7
173808 2001 SH_{239}	16.2	X	166.57653	268.65402	20.56605	4.91248	0.0986457	0.21274912	2.7790149	21	—	—
173809 2001 SJ_{241}	16.0	X	227.56521	240.12765	18.69978	9.73693	0.0959035	0.21587529	2.7521204	21	—	—
173810 2001 SW_{256}	15.8	X	17.08554	292.53158	97.83779	3.04012	0.0886349	0.20231294	2.8737806	21	12 22.4	19.3
173811 2001 SQ_{270}	15.5	X	235.97415	239.94794	149.20217	1.91114	0.3208621	0.18264657	3.0765339	21	5 16.9	20.8
173812 2001 SO_{277}	14.6	X	171.02665	196.31749	234.62286	20.50723	0.0773355	0.17800986	3.1297285	21	5 16.6	19.2
173813 2001 SP_{283}	16.4	X	167.86692	268.96136	2.64270	4.15997	0.0315586	0.20939741	2.8085911	21	—	—
173814 2001 SR_{292}	15.8	X	231.34552	315.71023	318.00694	9.01010	0.1386058	0.22202573	2.7010576	21	1 3.3	20.2
173815 2001 SG_{298}	15.9	X	333.12361	193.44828	221.03395	1.22373	0.0579686	0.20308416	2.8665004	21	11 17.8	19.5
173816 2001 SV_{301}	15.0	X	237.52524	284.93998	341.93492	10.72936	0.1479581	0.17001200	3.2271290	21	1 9.8	20.3
173817 2001 SU_{305}	15.8	X	260.43819	268.56230	341.99499	4.28125	0.1160180	0.21969416	2.7201345	21	1 4.2	20.0
173818 2001 SR_{315}	14.5	X	162.68665	91.65131	347.04062	15.21651	0.2331395	0.17541656	3.1604990	21	5 19.4	20.2
173819 2001 SD_{324}	15.8	X	248.21625	93.85143	278.34702	4.48587	0.1242396	0.18464043	3.0543456	21	5 21.5	20.4
173820 2001 SJ_{328}	16.2	X	121.77699	6.63704	315.57868	3.24307	0.1181942	0.21515704	2.7582418	21	—	—
173821 2001 SY_{334}	15.7	X	39.20723	228.76768	169.76963	5.88534	0.0745891	0.21204879	2.7851303	21	—	—
173822 2001 SJ_{335}	15.6	X	353.13604	116.39181	316.98279	11.29049	0.0788278	0.21028337	2.8006968	21	—	—
173823 2001 SO_{342}	16.0	X	313.29281	170.64829	157.81682	2.02790	0.1132229	0.18817224	3.0160071	21	6 19.4	19.8
173824 2001 SU_{344}	14.8	X	229.43220	234.97107	132.89213	18.05801	0.2363575	0.18187380	3.0852424	21	4 27.9	20.4
173825 2001 SL_{345}	15.1	X	187.61227	110.95022	308.29273	13.27047	0.2462296	0.18097551	3.0954432	21	5 16.8	20.7
173826 2001 SX_{348}	15.1	X	228.32178	278.03193	105.55582	17.77983	0.2864096	0.18181161	3.0859459	21	5 12.7	20.8
173827 2001 TT_{17}	15.1	X	292.63873	25.53488	348.82893	9.51135	0.1668267	0.18931027	3.0039079	21	7 14.2	19.2
173828 2001 TX_{21}	15.6	X	291.27563	281.65161	129.66319	9.55755	0.2039729	0.19218292	2.9738988	21	8 23.9	19.4
173829 2001 TJ_{34}	15.0	X	209.09493	18.57984	20.39933	11.49463	0.1105466	0.17770128	3.1333508	21	5 13.6	20.0
173830 2001 TO_{60}	15.2	X	142.87719	261.32579	200.99052	12.55148	0.2843878	0.17605120	3.1528990	21	6 8.7	20.8
173831 2001 TV_{64}	15.8	X	244.68073	283.70784	119.53227	1.91994	0.2114468	0.18498062	3.0505997	21	6 17.4	20.6
173832 2001 TO_{81}	15.1	X	206.17356	187.66324	234.80587	8.77904	0.1803242	0.18355055	3.0664244	21	6 8.5	20.1
173833 2001 TW_{82}	16.0	X	225.38167	140.06074	287.79056	2.83613	0.1956917	0.18605586	3.0388352	21	7 1.2	21.0
173834 2001 TE_{87}	15.2	X	288.95308	110.20533	247.28787	4.74978	0.0518734	0.18749095	3.0233088	21	7 1.7	19.4
173835 2001 TC_{91}	14.9	X	30.62464	202.92583	1.85664	8.80789	0.0216046	0.17978084	3.1091412	21	5 3.2	19.3
173836 2001 TV_{91}	15.6	X	197.53061	261.57602	9.37889	9.00365	0.1518470	0.21428163	2.7657489	21	—	—
173837 2001 TP_{96}	15.3	X	211.02023	41.32652	351.06713	4.85541	0.1517066	0.17978946	3.1090418	21	5 6.9	20.3
173838 2001 TD_{100}	14.7	X	33.50439	11.71548	15.81072	15.92658	0.2002591	0.15487971	3.4340480	21	—	—
173839 2001 TH_{100}	15.3	X	210.16900	189.29885	9.76416	10.64359	0.0553447	0.20201965	2.8765613	21	12 5.5	19.6
173840 2001 TS_{100}	15.9	X	276.32587	263.53782	334.54251	4.08338	0.0606900	0.21894177	2.7263627	21	1 11.3	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
173841 2001 TU_{108}	15.3	X	345.81388	56.09817	314.64660	5.27489	0.1501577	0.19625123	2.9326560	21	10 8.2	18.6
173842 2001 TM_{118}	15.3	X	191.79254	97.53010	322.83288	15.02345	0.2389442	0.17994182	3.1072866	21	5 20.8	21.0
173843 2001 TN_{118}	16.0	X	210.63087	133.95057	296.29320	12.78381	0.2857723	0.18280543	3.0747512	21	6 18.1	21.5
173844 2001 TK_{119}	14.9	X	190.50750	57.71749	313.91098	14.83353	0.1311087	0.17542603	3.1603853	21	3 19.9	20.2
173845 2001 TP_{123}	14.9	X	205.41249	74.27355	298.74434	9.83873	0.0899073	0.17846743	3.1243768	21	4 6.6	19.9
173846 2001 TX_{125}	15.4	X	70.37287	41.92522	299.43407	8.17885	0.1396192	0.20497588	2.8488366	21	—	—
173847 2001 TA_{134}	14.7	X	192.89927	323.46056	103.69461	12.21866	0.1531332	0.18041810	3.1018156	21	6 4.7	19.9
173848 2001 TC_{134}	15.3	X	233.03897	338.95205	57.84477	18.40452	0.2095012	0.18305658	3.0719383	21	5 28.8	20.3
173849 2001 TY_{139}	15.3	X	344.95818	336.13911	23.77615	11.53341	0.1082216	0.19755054	2.9197829	21	9 27.4	18.7
173850 2001 TK_{140}	15.7	X	119.56905	263.24827	93.55144	6.46166	0.0605844	0.21569237	2.7536762	21	—	—
173851 2001 TK_{143}	15.2	X	105.40011	54.32894	54.49803	8.89659	0.0391399	0.17688797	3.1429479	21	4 16.8	19.6
173852 2001 TC_{150}	15.6	X	269.42690	346.03757	52.94132	11.20663	0.1033098	0.18835247	3.0140827	21	7 25.5	20.0
173853 2001 TY_{154}	15.1	X	205.45484	323.01949	74.28542	10.71635	0.1354167	0.17975694	3.1094168	21	5 11.8	20.1
173854 2001 TM_{157}	16.2	X	38.53010	191.75787	158.93885	2.52856	0.0659797	0.19903963	2.9052020	21	11 28.3	20.1
173855 2001 TO_{169}	15.4	X	268.17444	128.09179	273.46448	8.92415	0.1066860	0.18716649	3.0268018	21	7 22.6	19.8
173856 2001 TZ_{170}	15.6	X	348.73935	92.57311	308.09884	7.61075	0.0185325	0.20162593	2.8803048	21	11 18.4	19.6
173857 2001 TH_{172}	16.2	X	350.72895	299.29286	83.53448	2.92642	0.1338983	0.19834895	2.9119424	21	11 6.2	19.4
173858 2001 TA_{175}	16.0	X	217.47703	232.08560	33.80215	6.67994	0.0720492	0.21533966	2.7566822	21	—	—
173859 2001 TL_{182}	15.4	X	250.92315	23.06361	7.74766	9.14652	0.1330535	0.18454644	3.0553826	21	6 15.7	20.1
173860 2001 TP_{182}	15.4	X	226.78026	35.38921	341.47669	6.54075	0.2694867	0.18076224	3.0978775	21	4 25.8	21.0
173861 2001 TF_{194}	15.1	X	189.58171	109.07991	281.55244	7.67348	0.0970472	0.17506009	3.1647880	21	4 13.9	20.2
173862 2001 TB_{196}	15.3	X	213.41568	275.14885	140.90400	15.69929	0.2519498	0.18070317	3.0985525	21	6 6.9	20.9
173863 2001 TR_{204}	15.8	X	32.74852	251.63635	66.10694	10.79399	0.1856169	0.19930935	2.9025805	21	10 29.6	19.4
173864 2001 TA_{206}	14.7	X	186.68453	311.83254	91.58939	18.09760	0.1855901	0.17776630	3.1325867	21	5 7.1	20.2
173865 2001 TS_{206}	15.1	X	219.62620	230.95782	100.67645	14.21444	0.3446908	0.17776074	3.1326520	21	3 6.3	21.1
173866 2001 TY_{206}	15.3	X	209.75939	300.40922	106.59225	11.93779	0.0557643	0.18154093	3.0890126	21	5 31.3	20.0
173867 2001 TE_{211}	15.3	X	146.80987	108.07557	289.08837	9.01203	0.0665631	0.17423350	3.1747895	21	3 5.8	20.2
173868 2001 TM_{212}	15.6	X	211.62135	89.14051	351.73767	14.15048	0.1890708	0.18383607	3.0632485	21	7 7.9	20.9
173869 2001 TV_{216}	15.3	X	261.67154	147.36007	243.57128	9.87100	0.0933346	0.19033489	2.9931176	21	7 2.9	19.7
173870 2001 TZ_{220}	14.8	X	25.56385	218.53058	8.10671	17.69385	0.2619201	0.23321103	2.6139864	21	6 8.7	17.3
173871 2001 TW_{235}	15.1	X	253.33374	229.36822	153.96356	10.84173	0.0951858	0.18391494	3.0623727	21	6 15.2	19.7
173872 Andrewwest	15.8	X	165.64667	127.43257	342.00292	2.45230	0.1034127	0.18563180	3.0434614	21	6 28.6	20.5
173873 2001 TQ_{256}	16.5	X	145.08426	268.73059	58.71627	6.27822	0.2114544	0.21655392	2.7463677	21	—	—
173874 2001 UO_{10}	14.7	X	260.67350	277.46065	75.36075	22.50943	0.1178033	0.17845181	3.1245591	21	5 17.2	19.4
173875 2001 UQ_{14}	16.0	X	280.72969	238.45014	131.61248	3.34860	0.2453707	0.18622922	3.0369490	21	6 9.5	20.4
173876 2001 UW_{14}	15.8	X	200.69896	329.77381	111.72895	1.21977	0.2408824	0.18019617	3.1043619	21	6 25.1	21.0
173877 2001 UY_{24}	14.7	X	142.45088	259.37456	235.15092	23.05758	0.3304006	0.17783565	3.1317722	21	7 12.1	20.7
173878 2001 UN_{38}	16.3	X	293.80467	275.69983	131.56672	0.23914	0.0889911	0.19288362	2.9666922	21	9 7.5	20.1
173879 2001 UR_{42}	15.4	X	262.94148	248.62630	31.38777	16.25412	0.1999971	0.17463445	3.1699283	21	2 17.0	20.7
173880 2001 UQ_{44}	15.2	X	325.77364	320.65712	43.61065	11.42550	0.0886850	0.19153448	2.9806072	21	9 5.1	19.1
173881 2001 UY_{45}	15.5	X	161.75804	9.18969	89.03595	4.65078	0.2001904	0.17834790	3.1257726	21	6 14.4	20.8
173882 2001 UU_{48}	15.0	X	215.09342	37.45959	60.01024	14.30581	0.1509033	0.18456536	3.0551737	21	8 4.0	20.1
173883 2001 UB_{55}	15.4	X	3.68728	288.52023	91.98048	3.51786	0.1094012	0.19983990	2.8974408	21	11 22.6	18.8
173884 2001 UA_{56}	16.1	X	45.71543	352.70749	3.78750	1.71311	0.0848281	0.20373449	2.8603972	21	12 17.6	20.0
173885 2001 UA_{61}	15.7	X	290.71498	194.92515	222.94379	1.20961	0.0510270	0.19453365	2.9498927	21	9 21.7	19.7
173886 2001 UZ_{64}	14.6	X	233.87856	145.88563	265.29402	4.90781	0.2220557	0.18322110	3.0700991	21	6 16.4	19.5
173887 2001 UB_{73}	15.0	X	181.51830	0.46902	52.35270	16.25522	0.1839149	0.17729033	3.1381908	21	5 8.0	20.1
173888 2001 UC_{82}	16.0	X	284.66906	314.21980	86.44497	2.58700	0.2100673	0.18910388	3.0060931	21	7 29.4	20.0
173889 2001 UW_{82}	15.5	X	21.97957	314.71053	56.98501	2.97693	0.0710216	0.20000231	2.8958721	21	12 2.8	19.1
173890 2001 UM_{90}	16.5	X	324.53061	261.83585	154.16929	2.20413	0.0735171	0.19724659	2.9227817	21	11 6.5	20.1
173891 2001 UU_{91}	15.1	X	238.36709	254.32399	94.30670	8.75288	0.1969833	0.17921808	3.1156465	21	4 12.6	20.3
173892 2001 UE_{98}	15.2	X	262.85739	284.05828	52.51330	10.21002	0.0828320	0.17983134	3.1085591	21	4 30.4	19.7
173893 2001 UB_{103}	15.5	X	240.02509	18.10895	42.85200	12.83591	0.0687125	0.18715654	3.0269091	21	7 22.8	20.1
173894 2001 UD_{107}	15.7	X	69.35038	200.39572	84.69909	3.34254	0.0640888	0.19482020	2.9469995	21	10 16.6	19.7
173895 2001 UC_{115}	15.6	X	338.51091	291.60801	69.32812	3.48923	0.0990448	0.19233932	2.9722865	21	9 16.3	19.1
173896 2001 UM_{116}	16.0	X	337.19681	278.52594	94.28680	3.24606	0.1509592	0.19347629	2.9606305	21	9 28.9	19.2
173897 2001 UD_{119}	15.3	X	193.95133	250.38892	210.53129	7.19429	0.2557201	0.18084891	3.0968877	21	7 11.5	20.9
173898 2001 UN_{141}	15.7	X	201.57972	243.62909	212.86291	4.18188	0.1450027	0.18414179	3.0598570	21	7 16.3	20.6
173899 2001 UG_{144}	16.0	X	288.88774	266.47224	137.53568	2.63793	0.1556463	0.18989386	2.9977501	21	8 16.9	19.8
173900 2001 UG_{149}	15.5	X	168.78624	290.32658	89.58284	2.27140	0.1903068	0.17146545	3.2088664	21	3 21.0	20.8
173901 2001 UR_{160}	15.2	X	136.95214	92.72492	57.87927	16.65808	0.1800883	0.17843531	3.1247518	21	7 28.9	20.5
173902 2001 UN_{163}	15.2	X	321.96151	262.60023	61.84575	8.57842	0.0910674	0.18394945	3.0619897	21	6 30.2	19.1
173903 2001 UH_{179}	14.9	X	223.93423	35.35829	324.19900	10.54770	0.0792318	0.17862434	3.1225468	21	4 9.9	19.8
173904 2001 UX_{183}	15.3	X	242.76945	353.96385	74.81770	13.20955	0.1551952	0.18616038	3.0376976	21	7 24.6	20.1
173905 2001 UZ_{205}	15.4	X	185.44781	73.77219	34.34172	10.19602	0.0967321	0.18278637	3.0749650	21	7 19.4	20.3
173906 2001 UD_{225}	15.2	X	188.16410	35.10887	27.03768	14.71693	0.2872826	0.17509926	3.1643159	21	5 20.6	21.0
173907 2001 VK_{2}	14.9	X	190.28565	359.75865	52.12501	18.92187	0.1730152	0.17657011	3.1467187	21	5 13.4	20.1
173908 2001 VW_{10}	15.5	X	230.86422	48.64786	30.86083	12.33235	0.0994956	0.18628055	3.0363911	21	8 3.0	20.3
173909 2001 VC_{17}	14.8	X	142.74139	137.23812	4.93294	17.21042	0.1197592	0.17983542	3.1085121	21	7 22.1	19.9
173910 2001 VF_{31}	15.0	X	181.03849	22.29431	68.83712	9.71941	0.0696384	0.17850571	3.1239301	21	6 21.0	19.7
173911 2001 VS_{31}	15.2	X	149.74784	56.19752	67.94385	17.15345	0.2113494	0.17624526	3.1505842	21	7 5.8	20.6
173912 2001 VT_{36}	15.9	X	204.64584	3.84884	64.11293	2.14933	0.1923690	0.17873743	3.1212295	21	6 13.4	21.2
173913 2001 VA_{42}	15.2	X	208.16950	328.96096	59.30190	10.11938	0.0875814	0.17494364	3.1661922	21	5 4.7	20.1
173914 2001 VA_{48}	14.9	X	286.24030	295.04413	86.43723	11.18431	0.1471750	0.18464302	3.0543171	21	7 16.0	19.0
173915 2001 VN_{49}	14.9	X	313.69959	78.06298	300.33717	8.24916	0.0878522	0.19180218	2.9778331	21	8 26.9	18.7
173916 2001 VY_{55}	15.6	X	210.42120	175.97889	267.33780	8.64515	0.1822103	0.18302616	3.0722787	21	7 6.9	20.6
173917 2001 VE_{56}	15.7	X	156.16166	68.07189	28.34939	13.54988	0.2821472	0.17600440	3.1534579	21	6 8.7	21.4
173918 2001 VT_{56}	15.8	X	359.86056	242.91009	79.14499	3.79979	0.0876049	0.19048628	2.9915316	21	8 29.3	19.4
173919 2001 VR_{58}	15.1	X	206.44824	18.72251	19.56343	12.90060	0.1434943	0.17849080	3.1241041	21	5 8.7	20.2
173920 2001 VS_{58}	15.6	X	165.30222	88.57200	359.29744	7.77899	0.1786649	0.17741955	3.1366669	21	6 2.8	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
173921 2001 VZ_{58}	15.0	X	247.32042	94.50799	248.30053	10.15250	0.0970595	0.17762011	3.1343053	21	4 15.5	19.9
173922 2001 VC_{59}	15.5	X	202.46079	6.99745	354.60248	4.47097	0.1896840	0.17487885	3.1669742	21	3 25.2	20.9
173923 2001 VN_{70}	15.2	X	238.77274	57.43180	33.90538	9.49476	0.0246525	0.18728275	3.0255490	21	9 5.4	19.5
173924 2001 VP_{70}	15.8	X	218.43480	11.56957	43.41996	0.11381	0.1892762	0.18004176	3.1061366	21	6 9.8	20.9
173925 2001 VQ_{84}	14.9	X	210.81446	53.68839	335.92622	9.01105	0.0892342	0.17881039	3.1203805	21	5 3.8	19.9
173926 2001 VR_{89}	14.9	X	2.81199	86.72085	239.34001	11.79070	0.0841062	0.19060575	2.9902813	21	8 31.5	18.9
173927 2001 VD_{90}	15.1	X	289.19803	305.24588	105.76093	11.17472	0.0906348	0.19015196	2.9950369	21	9 9.9	19.2
173928 2001 VV_{92}	15.4	X	189.74488	276.02917	168.83070	11.41140	0.1284978	0.17934280	3.1142019	21	6 22.3	20.6
173929 2001 VH_{93}	15.3	X	261.73767	241.41181	117.79516	15.29384	0.2426255	0.18199540	3.0838679	21	5 13.2	20.5
173930 2001 VV_{95}	14.5	X	97.83345	306.98776	211.60108	25.57119	0.2700881	0.17310733	3.1885440	21	7 2.4	19.9
173931 2001 VJ_{104}	15.0	X	321.75139	85.76835	259.64765	9.28182	0.0443757	0.18588399	3.0407080	21	7 29.9	19.2
173932 2001 VD_{105}	15.4	X	175.45363	37.92537	38.60468	5.61171	0.1692332	0.17679377	3.1440643	21	5 29.5	20.6
173933 2001 VS_{114}	15.2	X	248.94262	76.33595	272.74243	5.10536	0.1668234	0.17760139	3.1345255	21	4 18.9	20.2
173934 2001 VC_{120}	14.8	X	144.56225	82.85479	70.90272	16.47857	0.1711846	0.17775610	3.1327065	21	8 8.8	20.1
173935 2001 VA_{125}	15.2	X	258.48255	83.40422	296.56614	7.76087	0.1696128	0.18168922	3.0873316	21	6 6.5	19.9
173936 Yuribo	14.7	X	158.21127	342.53909	103.31757	16.13495	0.0823737	0.17860915	3.1227239	21	5 25.5	19.6
173937 2001 WK_{9}	15.5	X	186.38416	226.41344	218.27608	8.73216	0.2418498	0.17839826	3.1251843	21	6 17.9	21.0
173938 2001 WJ_{10}	15.1	X	292.04728	325.75475	67.19875	11.73308	0.1237490	0.18739453	3.0243458	21	8 16.3	19.3
173939 2001 WH_{12}	15.4	X	191.24386	28.79822	76.82035	11.18364	0.0813266	0.18227642	3.0806974	21	7 21.7	20.2
173940 2001 WD_{39}	15.0	X	195.57473	240.82886	208.62600	8.53179	0.2316781	0.17904618	3.1176404	21	6 30.0	20.5
173941 2001 WN_{51}	15.5	X	40.70642	313.64938	327.07155	1.18090	0.0562799	0.19023977	2.9941152	21	8 30.9	19.5
173942 2001 WW_{56}	16.1	X	279.73302	109.23706	254.72383	0.56177	0.1897523	0.18549968	3.0449063	21	6 7.9	20.3
173943 2001 WC_{62}	15.2	X	37.60717	295.33806	239.68326	8.89677	0.0614557	0.17149905	3.2084472	21	4 8.5	19.5
173944 2001 WO_{63}	16.1	X	251.45964	351.83330	15.67459	1.26791	0.1971620	0.18102514	3.0948774	21	5 12.3	21.0
173945 2001 WY_{65}	16.1	X	168.07720	211.88291	293.03282	1.14729	0.0389009	0.18486957	3.0518213	21	8 13.2	20.6
173946 2001 WT_{74}	15.6	X	179.49934	124.58255	57.32126	11.53042	0.0838794	0.19305787	2.9649068	21	10 15.2	20.2
173947 2001 WZ_{76}	15.6	X	358.87544	56.57411	247.67062	1.09294	0.1328808	0.18733008	3.0250394	21	8 1.7	19.1
173948 2001 WW_{77}	16.0	X	289.11080	141.18330	213.78654	1.21330	0.1204978	0.18417491	3.0594903	21	6 18.7	20.1
173949 2001 WH_{95}	14.9	X	250.62834	263.06408	111.30423	11.19183	0.1131122	0.18097424	3.0954578	21	5 30.9	19.6
173950 2001 WC_{96}	15.8	X	274.86905	254.96969	108.24049	5.52351	0.2410462	0.18499339	3.0504593	21	5 26.7	20.3
173951 2001 WO_{96}	15.9	X	223.54595	134.71148	199.37442	0.65494	0.1396858	0.17240531	3.1971938	21	3 12.9	21.0
173952 2001 XJ_{7}	15.1	X	206.38598	186.45151	250.12827	9.33720	0.0809831	0.17943523	3.1131323	21	6 29.6	19.8
173953 2001 XL_{11}	15.2	X	251.26939	68.62150	297.58908	14.43508	0.2553333	0.18174408	3.0867103	21	4 30.7	20.6
173954 2001 XP_{11}	15.0	X	160.56073	145.55550	307.59920	15.08205	0.1071838	0.17647849	3.1478077	21	6 2.5	20.1
173955 2001 XU_{11}	15.3	X	167.81737	162.31202	284.97203	16.39689	0.1923647	0.17632631	3.1496187	21	6 6.2	20.7
173956 2001 XA_{14}	15.1	X	262.68244	18.34650	340.34710	8.29722	0.0914231	0.17707656	3.1407160	21	5 23.5	19.8
173957 2001 XQ_{14}	15.2	X	268.82521	62.74011	337.53461	7.84896	0.1248166	0.18380046	3.0636441	21	7 22.3	19.6
173958 2001 XR_{20}	14.7	X	203.20177	105.54408	291.46921	22.33354	0.2690149	0.17515844	3.1636031	21	4 28.4	20.7
173959 2001 XE_{23}	15.2	X	134.08766	104.99073	0.39717	4.87273	0.1389197	0.17098958	3.2148173	21	5 24.0	20.3
173960 2001 XG_{32}	16.3	X	188.74415	130.98130	327.67566	0.16375	0.1286372	0.18098511	3.0953337	21	7 8.2	21.1
173961 2001 XJ_{34}	14.8	X	241.16462	72.37241	320.65468	10.15409	0.1558147	0.18112273	3.0937657	21	6 5.8	19.7
173962 2001 XR_{43}	15.1	X	123.37196	68.28924	62.70714	16.36286	0.1305697	0.17229512	3.1985568	21	6 12.4	20.0
173963 2001 XR_{60}	15.5	X	225.27869	323.42431	76.81198	10.58471	0.1374564	0.17944563	3.1130120	21	6 1.6	20.4
173964 2001 XF_{69}	15.3	X	207.86214	180.78544	289.14666	14.97327	0.1737460	0.18308732	3.0715944	21	8 3.9	20.5
173965 2001 XC_{71}	15.1	X	174.50690	13.74565	108.46116	10.30801	0.1176857	0.18144297	3.0901243	21	7 23.8	20.0
173966 2001 XJ_{76}	15.6	X	212.25383	328.81247	92.21308	7.62814	0.1557960	0.18056102	3.1001787	21	6 13.4	20.7
173967 2001 XE_{78}	15.8	X	166.58127	349.15553	109.41179	3.32542	0.1389244	0.17727383	3.1383856	21	6 17.2	20.7
173968 2001 XD_{82}	15.0	X	139.98100	50.24509	67.02862	15.90548	0.0922886	0.17507201	3.1646442	21	6 9.8	19.8
173969 2001 XF_{82}	14.7	X	273.91491	288.53346	84.33016	17.50645	0.1172952	0.18251593	3.0780018	21	6 22.3	19.1
173970 2001 XL_{83}	14.9	X	210.56364	323.27693	86.72149	18.76765	0.1498563	0.17790007	3.1310161	21	5 31.7	20.0
173971 2001 XP_{91}	15.2	X	348.70150	256.50589	59.31259	9.75422	0.0397826	0.18528350	3.0472743	21	8 4.6	19.4
173972 2001 XR_{111}	15.3	X	199.90529	303.17464	121.57526	10.46546	0.1386721	0.17740575	3.1368295	21	6 8.4	20.4
173973 2001 XL_{122}	15.6	X	217.82133	75.15986	68.61582	11.99232	0.0589261	0.19201471	2.9756354	21	10 13.4	20.1
173974 2001 XV_{127}	15.5	X	259.34022	174.70011	195.02420	1.86970	0.1681478	0.18156058	3.0887897	21	5 26.5	20.0
173975 2001 XL_{131}	15.7	X	122.48727	99.77390	77.43385	17.11125	0.1992889	0.17876038	3.1209624	21	8 20.7	21.0
173976 2001 XG_{132}	15.2	X	310.01515	263.02995	80.24721	2.32647	0.1854981	0.18524159	3.0477340	21	6 23.6	19.0
173977 2001 XU_{133}	15.2	X	15.65592	208.88963	74.45223	14.30253	0.2303682	0.23505846	2.6002721	21	8 25.4	17.9
173978 2001 XE_{135}	15.3	X	99.33699	90.18954	80.48909	16.63040	0.0778490	0.17669560	3.1452287	21	6 29.0	19.8
173979 2001 XK_{135}	15.2	X	168.96560	33.22502	86.56505	11.37519	0.1014195	0.17949147	3.1124819	21	7 15.2	20.0
173980 2001 XY_{135}	15.7	X	191.42318	226.41133	165.61868	2.15090	0.1109635	0.17311821	3.1884104	21	4 21.6	20.7
173981 2001 XK_{139}	15.1	X	165.64928	43.95864	79.96019	10.23238	0.0429705	0.17974909	3.1095073	21	7 15.6	19.7
173982 2001 XM_{140}	16.0	X	210.93274	317.01306	130.74861	2.18208	0.1729000	0.18087016	3.0966450	21	7 13.7	21.1
173983 2001 XB_{142}	16.2	X	229.16174	304.77003	140.17604	2.01950	0.1322561	0.18364588	3.0653631	21	7 30.9	20.9
173984 2001 XS_{148}	15.7	X	179.54553	340.23984	113.64900	5.90454	0.1991850	0.17709112	3.1405438	21	6 23.9	21.1
173985 2001 XB_{157}	14.6	X	169.31197	107.31176	299.06340	15.29506	0.0907740	0.17053780	3.2204923	21	4 8.1	19.8
173986 2001 XL_{158}	15.7	X	218.26695	262.66920	118.22808	2.43107	0.1825208	0.17497734	3.1657857	21	5 1.2	20.9
173987 2001 XK_{162}	16.1	X	176.78932	272.33767	173.50163	0.85534	0.1590824	0.17606956	3.1526798	21	6 11.5	21.3
173988 2001 XT_{163}	15.5	X	129.17943	287.02975	170.32314	3.02699	0.0858978	0.17063982	3.2192087	21	5 5.7	20.3
173989 2001 XB_{164}	15.2	X	201.53985	146.80234	251.75071	9.17627	0.2358012	0.17554648	3.1589394	21	5 5.1	20.8
173990 2001 XG_{170}	15.8	X	269.08446	292.28027	99.17634	2.43261	0.0640694	0.18228201	3.0806345	21	7 18.5	20.0
173991 2001 XR_{170}	15.6	X	216.59208	262.10169	131.36652	0.26779	0.1852518	0.17670778	3.1450842	21	5 13.7	20.8
173992 2001 XM_{178}	15.2	X	194.54374	285.41705	110.43283	16.13873	0.1826825	0.17199918	3.2022246	21	5 4.8	20.8
173993 2001 XG_{198}	14.8	X	24.93051	91.24359	122.79738	6.30058	0.0561198	0.16822570	3.2499336	21	5 14.8	19.2
173994 2001 XS_{200}	15.2	X	248.32776	165.74236	269.82029	13.02082	0.1046650	0.18534048	3.0466498	21	8 7.9	19.8
173995 2001 XV_{204}	15.5	X	294.40344	268.10081	106.64294	10.45759	0.1257676	0.18558509	3.0439720	21	7 21.7	19.5
173996 2001 XT_{205}	15.1	X	197.02970	234.53216	200.80919	4.95939	0.1207179	0.17867528	3.1219533	21	6 17.7	20.0
173997 2001 XJ_{207}	15.1	X	212.21164	221.85059	170.35755	5.97946	0.1854378	0.17660950	3.1462508	21	5 9.9	20.3
173998 2001 XX_{208}	15.6	X	274.74743	269.85302	152.99820	5.52921	0.0880306	0.18820105	3.0156992	21	9 1.3	19.8
173999 2001 XQ_{222}	15.7	X	230.05150	149.76604	253.17603	2.96971	0.1193756	0.18154365	3.0889817	21	6 10.8	20.4
174000 2001 XE_{233}	15.4	X	234.33047	317.81143	60.11404	4.74368	0.1257988	0.17762972	3.1341923	21	5 15.1	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
174001 2001 XJ_{235}	15.3	X	162.55670	42.52183	73.42845	10.57092	0.0593569	0.17825802	3.1268233	21	7 1.8	20.0
174002 2001 XV_{246}	15.6	X	157.37533	70.30689	62.54441	10.45712	0.1990732	0.17771506	3.1331887	21	7 24.2	21.0
174003 2001 XF_{249}	16.0	X	267.38270	330.88151	46.47182	0.13277	0.1622057	0.17868714	3.1218152	21	6 14.4	20.7
174004 2001 XC_{261}	15.3	X	262.89644	211.89141	197.91151	8.86486	0.0712468	0.18556978	3.0441394	21	7 30.7	19.8
174005 2001 XU_{262}	16.5	X	298.30381	207.53558	142.35580	0.98189	0.3081260	0.18742559	3.0240117	21	5 26.6	20.4
174006 2001 YT_{7}	14.8	X	102.88551	183.44996	277.49396	10.30407	0.0727323	0.16900421	3.2399454	21	4 1.8	19.6
174007 2001 YW_{7}	14.8	X	274.47051	90.61643	278.68265	9.95951	0.1767027	0.18333176	3.0688636	21	6 10.4	19.3
174008 2001 YW_{8}	15.7	X	114.58547	59.79908	79.26103	5.69973	0.1042394	0.17325058	3.1867862	21	6 11.1	20.4
174009 2001 YV_{9}	14.6	X	111.66040	261.65521	276.00736	14.99343	0.1416470	0.17766004	3.1338357	21	7 27.1	19.5
174010 2001 YC_{10}	15.3	X	121.59349	1.63831	353.17192	3.89136	0.1136087	0.20898147	2.8123165	21	—	—
174011 2001 YT_{15}	15.0	X	263.72964	273.25476	83.80371	12.95565	0.2395231	0.18009191	3.1055600	21	5 10.8	20.0
174012 2001 YL_{22}	15.7	X	181.04380	351.30690	77.67176	2.52560	0.1972869	0.17543367	3.1602935	21	5 26.4	20.9
174013 2001 YQ_{36}	15.7	X	172.46749	166.49631	306.22225	4.04058	0.1319068	0.17837504	3.1254556	21	7 10.1	20.7
174014 2001 YS_{43}	15.8	X	196.35384	32.45477	63.44589	4.55754	0.1157394	0.17962445	3.1109456	21	7 13.0	20.7
174015 2001 YN_{57}	15.9	X	259.40011	343.74722	47.09923	5.63074	0.1697173	0.18212496	3.0824052	21	6 21.3	20.6
174016 2001 YW_{84}	14.7	X	189.98625	117.64206	291.61076	7.63253	0.0398568	0.16992047	3.2282879	21	5 8.3	19.5
174017 2001 YJ_{93}	15.9	X	261.01191	195.41576	265.52437	1.34665	0.0578252	0.19583970	2.9367630	21	10 6.5	19.9
174018 2001 YD_{105}	14.6	X	241.38120	249.40169	117.97309	17.52585	0.2499988	0.17567203	3.1574342	21	5 6.6	20.2
174019 2001 YU_{109}	14.6	X	112.88480	260.48789	294.09405	10.07949	0.1979388	0.17500574	3.1654431	21	8 23.4	19.8
174020 2001 YE_{122}	14.8	X	101.55996	103.94882	58.30407	26.22959	0.2737191	0.17276370	3.1927707	21	7 16.5	20.3
174021 2001 YE_{123}	15.0	X	117.81496	111.55595	41.63299	10.53483	0.1719149	0.17489103	3.1668271	21	7 10.8	20.1
174022 2001 YP_{124}	15.9	X	228.29816	96.33438	302.60685	6.04866	0.2695433	0.17987744	3.1080280	21	5 24.2	21.4
174023 2001 YT_{132}	15.0	X	193.61211	143.50638	282.23320	15.78331	0.1476414	0.17737041	3.1372462	21	6 2.0	20.2
174024 2001 YB_{134}	15.1	X	111.20850	85.31825	61.38831	15.15892	0.2127529	0.17308113	3.1888658	21	6 28.6	20.2
174025 2001 YV_{137}	15.4	X	244.39351	357.77117	40.71598	13.59819	0.1599151	0.17896583	3.1185734	21	6 14.7	20.4
174026 2001 YD_{141}	16.0	X	282.45730	279.75334	85.33697	2.91762	0.2297628	0.18550916	3.0448026	21	6 7.1	20.2
174027 2001 YZ_{145}	15.3	X	117.10450	77.52369	32.79680	15.40742	0.1821536	0.17212181	3.2007036	21	5 15.5	20.4
174028 2001 YM_{150}	15.5	X	161.76159	293.21567	173.86652	10.07695	0.2033032	0.17636116	3.1492037	21	6 24.9	21.0
174029 2001 YF_{154}	15.0	X	81.13658	111.69511	85.41071	21.12721	0.2667274	0.17056239	3.2201828	21	8 9.8	20.1
174030 2001 YX_{154}	15.4	X	221.10198	99.70880	354.26383	10.14865	0.1064513	0.17979550	3.1089722	21	8 8.2	20.2
174031 2002 AR_{27}	14.5	X	154.36719	260.59091	321.82247	21.41433	0.1757709	0.18623100	3.0369297	21	10 23.1	20.0
174032 2002 AH_{36}	15.6	X	210.20078	0.43603	93.68293	4.28770	0.1496267	0.18188187	3.0851511	21	7 22.6	20.6
174033 2002 AW_{42}	15.6	X	350.49957	149.81085	132.76336	3.66544	0.0177665	0.17485138	3.1673059	21	6 21.9	20.0
174034 2002 AQ_{47}	15.1	X	220.87960	289.67658	120.12783	26.50924	0.0767043	0.17473639	3.1686953	21	6 17.4	20.1
174035 2002 AP_{86}	15.1	X	62.19838	118.24944	140.11323	10.40812	0.0449177	0.17965138	3.1106347	21	8 29.9	19.4
174036 2002 AP_{110}	14.9	X	128.98845	103.03798	115.44131	17.60550	0.2537068	0.18030072	3.1031617	21	10 18.8	20.6
174037 2002 AY_{111}	14.9	X	84.65538	213.17427	323.66494	5.12258	0.0888140	0.16944914	3.2342714	21	6 20.8	19.5
174038 2002 AD_{116}	14.6	X	294.68187	191.44490	117.06084	19.90017	0.0979780	0.16923270	3.2370285	21	5 9.9	19.5
174039 2002 AO_{123}	14.7	X	158.79302	348.33244	127.80616	20.59113	0.1440620	0.17234205	3.1979761	21	7 2.4	20.0
174040 2002 AY_{132}	15.1	X	142.65667	42.17903	86.09530	10.35307	0.0500509	0.17410712	3.1763257	21	6 23.9	19.8
174041 2002 AX_{135}	14.3	X	34.61194	106.11733	113.82694	22.30246	0.2365263	0.16880676	3.2424715	21	6 24.9	18.1
174042 2002 AD_{138}	15.0	X	37.39067	14.99778	281.85336	11.66664	0.0549355	0.18381025	3.0635354	21	9 9.1	19.4
174043 2002 AZ_{169}	15.0	X	277.85002	251.19119	104.60822	14.92722	0.0424828	0.17504444	3.1649766	21	6 17.8	19.4
174044 2002 AY_{171}	15.1	X	131.65842	57.71066	323.16905	9.28624	0.1349250	0.15860282	3.3800940	21	2 12.4	20.2
174045 2002 AU_{182}	15.1	X	173.00697	39.46061	53.85637	6.30140	0.1518137	0.17429552	3.1740364	21	6 16.7	20.2
174046 2002 BU_{8}	15.4	X	143.00648	32.32085	124.26394	12.04066	0.1467843	0.17321529	3.1872189	21	8 5.5	20.4
174047 2002 BW_{12}	14.3	X	13.60645	119.32708	319.61250	9.28156	0.0357419	0.14881097	3.5267885	21	—	—
174048 2002 BP_{17}	15.5	X	108.86332	206.72830	295.23442	4.56722	0.0903361	0.16958451	3.2325501	21	6 6.2	20.1
174049 2002 BQ_{23}	14.9	X	126.39372	130.85874	15.47520	13.46090	0.1481105	0.17265155	3.1941531	21	7 9.7	20.1
174050 2002 CC_{19}	17.5	X	86.27832	20.11844	134.74560	50.06178	0.1134474	0.67685888	1.2847066	21	2 2.9	15.9
174051 2002 CW_{19}	15.3	X	210.80821	86.77014	344.40316	8.78131	0.0837065	0.17438751	3.1729200	21	6 29.1	20.2
174052 2002 CB_{34}	14.8	X	239.67580	258.11670	114.16090	22.23959	0.0857926	0.17134402	3.2103822	21	5 24.6	20.0
174053 2002 CF_{54}	14.4	X	342.44427	244.83322	322.04983	14.11325	0.0891507	0.15588345	3.4192909	21	2 28.9	19.0
174054 2002 CC_{57}	16.7	X	45.28756	285.86217	156.95506	5.34548	0.0785734	0.30261140	2.1972486	21	—	—
174055 2002 CE_{75}	16.9	X	233.45726	250.52712	21.36577	2.20139	0.1524682	0.30326002	2.1941145	21	—	—
174056 2002 CW_{104}	16.6	X	244.56125	221.66524	2.12775	7.11444	0.0584624	0.29667460	2.2264647	21	—	—
174057 2002 CG_{127}	15.2	X	215.72281	275.47698	153.20558	5.99777	0.1531530	0.17555299	3.1588613	21	6 25.9	20.3
174058 2002 CD_{160}	15.1	X	138.42808	28.38230	104.72981	16.54532	0.1804910	0.17237283	3.1975953	21	7 5.4	20.1
174059 2002 CJ_{163}	14.4	X	299.31676	209.27047	118.73068	16.88619	0.0777641	0.17075940	3.2177056	21	6 7.5	19.0
174060 2002 CL_{245}	14.3	X	48.61759	310.32150	323.79226	26.59264	0.2375901	0.17622684	3.1508037	21	9 14.9	18.8
174061 2002 CU_{258}	14.9	X	34.26751	124.92569	145.21466	16.45248	0.0682155	0.17610654	3.1522384	21	8 7.9	19.0
174062 2002 CL_{302}	15.8	X	181.45245	5.87135	151.64032	2.50344	0.1122912	0.18142065	3.0903778	21	9 11.9	20.7
174063 2002 CV_{306}	15.7	X	55.84159	72.93862	143.65438	9.26617	0.0949789	0.16994566	3.2279689	21	7 3.6	20.1
174064 2002 DM_{15}	14.9	X	296.59210	192.34480	156.94542	18.76678	0.1061190	0.17269892	3.1935690	21	6 24.9	19.6
174065 2002 EH_{4}	15.2	X	80.25118	198.71526	5.07131	0.25861	0.0871560	0.16888784	3.2414335	21	7 19.2	19.7
174066 2002 EH_{34}	16.5	X	136.93803	210.91100	42.77684	3.93587	0.1689060	0.28420605	2.2911165	21	12 6.1	20.1
174067 2002 ER_{53}	17.8	X	2.22387	327.03175	247.43185	0.58494	0.0711040	0.31205612	2.1526871	21	3 18.7	19.6
174068 2002 EG_{71}	16.0	X	105.80377	298.22726	347.09444	6.61822	0.1159679	0.28307016	2.2972415	21	12 14.4	19.4
174069 2002 EJ_{71}	16.7	X	132.52568	48.68217	209.20792	4.47537	0.1234826	0.28301900	2.2975184	21	12 7.7	20.1
174070 2002 EV_{82}	16.9	X	55.37748	322.40885	324.20686	1.81478	0.2014534	0.27541093	2.3396377	21	10 29.8	19.9
174071 2002 ER_{99}	16.5	X	320.52672	45.19027	63.54947	6.66789	0.0668118	0.29451180	2.2373517	21	—	—
174072 2002 EA_{111}	16.4	X	137.14946	126.96146	136.86352	6.26551	0.1519828	0.28482840	2.2877779	21	12 19.7	20.0
174073 2002 EA_{129}	17.2	X	306.04630	73.00065	136.23124	2.91787	0.0688215	0.30238384	2.1983508	21	—	—
174074 2002 EO_{133}	14.2	X	82.81544	294.18759	357.66122	4.23246	0.2140787	0.12548731	3.9512651	21	11 15.4	20.1
174075 2002 EF_{153}	16.9	X	242.79349	311.02624	263.02203	6.79220	0.1307037	0.29439124	2.2379624	21	—	—
174076 2002 FH_{1}	17.4	X	151.82659	247.66981	129.46652	3.01693	0.2250410	0.30958346	2.1641343	21	2 17.1	20.2
174077 2002 FP_{21}	13.6	X	84.57011	250.93644	33.76485	5.32921	0.1417651	0.12515723	3.9582094	21	11 1.9	19.4
174078 2002 GB_{15}	16.9	X	326.53287	145.51780	12.12838	5.33424	0.0836670	0.29914918	2.2141694	21	—	—
174079 2002 GG_{35}	16.9	X	21.38925	134.10237	119.61016	2.31169	0.1477911	0.26494861	2.4008312	21	7 4.3	19.1
174080 2002 GY_{36}	14.9	X	102.60301	242.66557	30.83302	10.94857	0.1065799	0.17970184	3.1100523	21	11 9.4	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
174081 2002 GU_{37}	17.3	X	0.33524	186.65170	11.20681	4.78416	0.0999155	0.30690339	2.1767151	21	2 17.8	19.2
174082 2002 GX_{44}	16.3	X	152.44532	145.45977	214.11134	6.38963	0.1436830	0.29970156	2.2114479	21	1 15.3	19.3
174083 2002 GF_{63}	16.0	X	64.10062	193.84455	171.20836	5.31721	0.1764389	0.28656692	2.2785156	21	—	—
174084 2002 GX_{71}	16.8	X	113.86230	158.22680	108.82873	1.72896	0.2090406	0.27976687	2.3152889	21	12 3.5	20.4
174085 2002 GU_{98}	16.4	X	140.65503	31.07936	304.24190	1.12921	0.1629285	0.29578059	2.2309488	21	—	—
174086 2002 GO_{107}	16.3	X	245.36153	173.60633	100.56910	6.04245	0.2280794	0.29886743	2.2155607	21	1 1.2	19.9
174087 2002 GT_{110}	16.7	X	209.75949	221.91906	60.53580	7.97456	0.1569581	0.29531925	2.2332716	21	—	—
174088 2002 GE_{130}	16.7	X	5.50720	159.44256	211.59351	6.60456	0.1406372	0.28101150	2.3084474	21	12 5.9	19.0
174089 2002 GX_{137}	14.1	X	132.08885	301.72606	302.81129	5.24840	0.1631265	0.12468863	3.9681201	21	10 31.9	20.4
174090 2002 GY_{142}	16.9	X	208.10410	290.47016	208.87531	3.49590	0.0469255	0.27648753	2.3335602	21	9 30.2	19.9
174091 2002 GU_{148}	17.6	X	332.71418	310.31229	298.84500	1.03306	0.1164594	0.30975480	2.1633362	21	3 14.9	19.8
174092 2002 GV_{150}	17.1	X	0.66330	78.02090	147.58167	3.62954	0.0337012	0.31088071	2.1581098	21	4 8.1	19.2
174093 2002 GA_{160}	16.8	X	229.99603	150.40695	75.84537	7.32195	0.0705872	0.29337037	2.2431512	21	—	—
174094 2002 GU_{181}	17.4	X	70.72111	72.93747	8.03666	5.81970	0.1064591	0.30254521	2.1975690	21	—	—
174095 2002 HB_5	16.9	X	282.33443	103.92578	131.43941	6.47713	0.1342482	0.29968910	2.2115092	21	—	—
174096 2002 JJ_{12}	16.6	X	265.62658	10.51164	176.36549	5.31123	0.1169763	0.29202598	2.2500304	21	—	—
174097 2002 JJ_{15}	17.2	X	319.72745	128.28866	111.65489	4.39549	0.1791127	0.30446023	2.1883444	21	2 2.2	19.8
174098 2002 JO_{15}	16.7	X	125.11024	211.82569	82.37863	6.63025	0.1707905	0.28244404	2.3006353	21	—	—
174099 2002 JT_{19}	16.4	X	39.55613	330.45702	98.60817	7.94139	0.0367426	0.29182861	2.2510448	21	—	—
174100 2002 JH_{24}	16.7	X	126.48787	198.52834	74.65228	6.69069	0.0309481	0.28194576	2.3033451	21	12 19.0	19.7
174101 2002 JH_{27}	16.9	X	32.37725	304.84777	195.16423	5.33248	0.0736865	0.30235054	2.1985122	21	1 17.8	19.0
174102 2002 JS_{37}	16.9	X	271.30820	319.18127	271.18845	4.51025	0.1171193	0.29639900	2.2278446	21	—	—
174103 2002 JA_{38}	16.4	X	15.52978	206.83359	93.97295	6.49866	0.1599300	0.26663545	2.3906947	21	9 12.4	18.7
174104 2002 JP_{45}	16.9	X	155.12867	60.80732	234.62553	5.91780	0.1940630	0.28716670	2.2753419	21	—	—
174105 2002 JJ_{51}	17.2	X	149.41387	210.91837	17.20948	2.52196	0.1336257	0.27831049	2.3233590	21	11 15.2	20.6
174106 2002 JS_{53}	16.9	X	147.54777	241.82196	54.49565	3.14372	0.1644920	0.28642515	2.2792674	21	—	—
174107 2002 JZ_{53}	17.1	X	90.68897	332.30099	285.89653	1.41640	0.1119350	0.27429827	2.3459604	21	10 22.0	20.4
174108 2002 JX_{60}	16.7	X	16.79168	21.42523	40.36183	7.44562	0.0829389	0.28755417	2.2732975	21	—	—
174109 2002 JG_{62}	17.2	X	244.40208	124.54672	127.82988	3.20191	0.1808222	0.29426341	2.2386105	21	—	—
174110 2002 JE_{65}	16.4	X	349.21494	169.60931	113.00134	2.43702	0.1737049	0.26038145	2.4288239	21	6 8.3	18.3
174111 2002 JE_{72}	15.9	X	101.54607	92.99404	135.40488	7.42986	0.0579146	0.27160736	2.3614297	21	9 21.6	19.0
174112 2002 JS_{82}	16.2	X	2.02219	294.81015	34.73689	4.78226	0.1513016	0.27081922	2.3660090	21	9 27.6	18.2
174113 2002 JU_{82}	17.2	X	123.98418	28.89863	216.15611	3.42718	0.1379309	0.27781762	2.3261061	21	11 12.6	20.5
174114 2002 JY_{91}	14.9	X	150.01547	0.74527	236.05651	2.60135	0.1604382	0.12490230	3.9635933	21	11 8.8	21.2
174115 2002 JJ_{93}	17.0	X	251.32887	124.27488	77.93419	0.73144	0.1377452	0.29003182	2.2603322	21	—	—
174116 2002 JT_{104}	16.9	X	190.43943	124.00697	85.59153	5.93891	0.1319625	0.28196646	2.3032323	21	12 4.6	20.0
174117 2002 JR_{105}	17.1	X	232.83543	67.70326	187.68205	1.83089	0.1032933	0.29221471	2.2490615	21	—	—
174118 2002 JA_{127}	16.9	X	124.71024	182.10996	120.35331	6.80668	0.1816280	0.28319632	2.2965592	21	—	—
174119 2002 JA_{135}	16.9	X	327.48268	283.50638	30.98509	1.97081	0.1739829	0.26281845	2.4137863	21	6 12.1	19.2
174120 2002 JC_{146}	15.8	X	325.92541	199.17500	140.29964	16.74624	0.2468746	0.26277493	2.4140528	21	7 8.1	17.9
174121 2002 KM_4	14.5	X	164.59022	160.78794	73.34053	3.04230	0.1791266	0.12555902	3.9497606	21	11 18.0	20.9
174122 2002 KH_{13}	17.4	X	328.23454	127.33542	88.56434	2.39393	0.0907634	0.30181102	2.2011315	21	1 25.8	20.0
174123 2002 LG_2	15.4	X	132.43049	273.83494	83.19400	15.06917	0.2121297	0.23394180	2.6085400	21	1 13.1	19.2
174124 2002 LF_8	16.6	X	74.23335	192.85017	115.56144	5.34035	0.2384494	0.27457476	2.3443852	21	12 21.2	20.3
174125 2002 LA_{12}	16.2	X	140.46907	123.14681	108.42640	11.07651	0.2182842	0.27577971	2.3375515	21	11 15.2	20.3
174126 2002 LS_{17}	16.8	X	125.60451	197.82570	88.21130	7.21038	0.1040606	0.28029748	2.3123660	21	—	—
174127 2002 LB_{19}	16.1	X	335.61771	207.07864	111.66451	6.14668	0.2132323	0.26066913	2.4270366	21	7 1.9	18.0
174128 2002 LQ_{19}	16.7	X	156.71442	151.25601	85.78741	3.02451	0.1872684	0.27932289	2.3177417	21	12 2.6	20.2
174129 2002 LZ_{23}	16.3	X	267.88835	333.38087	280.49590	5.88976	0.1618948	0.29499201	2.2349229	21	—	—
174130 2002 LL_{27}	16.8	X	197.95489	145.41054	98.03055	8.86880	0.1754642	0.28290371	2.2981425	21	—	—
174131 2002 LT_{43}	16.4	X	147.90095	107.72586	217.50132	9.02510	0.2752590	0.23169561	2.6253720	21	—	—
174132 2002 MB_2	16.2	X	0.61738	174.61515	140.79922	1.80438	0.1743676	0.26197187	2.4189837	21	8 31.7	18.1
174133 2002 NX_{10}	16.6	X	38.00096	146.63529	129.81039	2.99722	0.1888774	0.26349347	2.4096621	21	9 18.8	19.1
174134 2002 NE_{11}	16.2	X	173.89869	68.15081	278.36955	2.35804	0.1717310	0.23826443	2.5768941	21	2 4.2	20.4
174135 2002 NT_{12}	16.1	X	196.60562	247.45458	115.88441	13.91080	0.2265654	0.24244431	2.5471903	21	3 23.2	20.7
174136 2002 NR_{15}	16.2	X	330.44290	15.68104	335.90358	6.20964	0.1479007	0.26181775	2.4199329	21	8 22.2	18.4
174137 2002 NE_{22}	16.0	X	285.85204	231.24847	138.22728	6.01426	0.2019439	0.25565733	2.4586529	21	6 19.8	19.1
174138 2002 NQ_{25}	15.6	X	114.90959	55.65393	302.92518	13.45665	0.3136622	0.22730341	2.6590841	21	1 10.9	19.2
174139 2002 NH_{41}	15.8	X	61.49534	44.88353	321.94948	10.74024	0.2459020	0.22251539	2.6970935	21	—	—
174140 2002 NK_{50}	16.2	X	169.92033	72.42997	317.73473	2.52301	0.2268144	0.24283488	2.5444583	21	3 27.6	20.4
174141 2002 NO_{52}	16.9	X	59.49201	188.31825	102.08852	3.77502	0.2037296	0.26722175	2.3871966	21	11 9.9	20.1
174142 2002 NP_{56}	16.0	X	134.17534	187.00006	170.49206	4.73825	0.3554042	0.22987849	2.6391890	21	1 30.6	20.3
174143 2002 NX_{61}	15.7	X	61.72459	49.58333	331.84033	7.23999	0.2337697	0.22412771	2.6841432	21	—	—
174144 2002 NT_{65}	17.6	X	194.34178	305.73974	297.32326	2.01653	0.1099998	0.28072459	2.3100200	21	—	—
174145 2002 OU_1	16.1	X	110.97746	98.89709	263.38364	10.19358	0.2056756	0.22841902	2.6504190	21	—	—
174146 2002 OD_{11}	16.3	X	118.48468	113.24856	264.53599	2.19185	0.1804695	0.23174591	2.6249921	21	1 17.9	19.6
174147 2002 OP_{11}	16.9	X	72.95245	30.28248	198.91727	1.66720	0.1297188	0.26106141	2.4246046	21	8 22.3	20.0
174148 2002 OT_{11}	15.8	X	180.81194	125.65329	210.87661	13.52505	0.1145239	0.23771339	2.5808749	21	1 22.8	20.0
174149 2002 OH_{22}	16.6	X	299.05839	64.53952	284.14186	4.68487	0.0807255	0.25560280	2.4590025	21	6 29.7	19.4
174150 2002 PD	16.5	X	217.35375	217.50538	106.42227	2.70652	0.3045822	0.24027196	2.5625204	21	2 15.4	21.1
174151 2002 PQ_{24}	16.6	X	96.98061	323.89981	310.36551	6.00129	0.0994933	0.26976628	2.3721616	21	11 16.1	20.0
174152 2002 PB_{39}	17.2	X	181.14076	61.44224	181.12621	3.16051	0.1398544	0.27810554	2.3245004	21	—	—
174153 2002 PO_{46}	16.7	X	156.60090	55.98463	320.48139	3.51314	0.2929196	0.23402929	2.6078898	21	3 5.7	21.3
174154 2002 PP_{46}	16.4	X	205.03673	38.94141	312.01071	4.01719	0.3238239	0.23872166	2.5736026	21	3 8.8	21.2
174155 2002 PH_{47}	15.1	X	137.14725	25.90436	299.24035	12.34201	0.2493946	0.22774397	2.6556538	21	—	—
174156 2002 PX_{47}	15.7	X	180.55365	354.51217	291.82582	11.27933	0.1674076	0.22939279	2.6429131	21	—	—
174157 2002 PR_{61}	15.9	X	254.09820	342.09453	277.72256	11.92388	0.1278173	0.23713539	2.5850670	21	1 4.4	20.0
174158 2002 PM_{62}	17.1	X	182.86037	121.87952	135.58506	6.20024	0.1432507	0.28058290	2.3107976	21	—	—
174159 2002 PO_{64}	15.6	X	10.92176	71.01734	293.44304	8.08508	0.1780901	0.21571725	2.7534644	21	11 23.1	18.7
174160 2002 PA_{66}	16.5	X	244.52601	115.89424	284.01669	7.43153	0.1335984	0.25566810	2.4585838	21	6 19.8	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
174161 2002 PU_{66}	16.1	X	134.44617	304.45663	139.71700	13.36725	0.0271765	0.24756691	2.5119307	21	4 15.6	19.6
174162 2002 PE_{67}	16.9	X	64.54039	176.61248	146.30591	1.09366	0.2200926	0.27112057	2.3642555	21	12 27.6	20.4
174163 2002 PK_{69}	15.7	X	75.10941	143.75931	270.19474	11.07554	0.1844093	0.22802130	2.6535001	21	1 1.1	18.4
174164 2002 PD_{71}	15.8	X	9.00794	135.51857	274.70098	12.26924	0.2207470	0.21769078	2.7367977	21	—	—
174165 2002 PH_{73}	16.2	X	55.63266	25.56008	265.12845	6.03073	0.0783703	0.26452957	2.4033659	21	10 13.1	19.2
174166 2002 PO_{77}	15.4	X	131.40017	235.31657	113.52502	13.01488	0.2815545	0.22919170	2.6444587	21	1 10.9	19.3
174167 2002 PC_{81}	17.4	X	171.49891	251.51847	16.51852	2.61824	0.1514006	0.28040336	2.3117839	21	—	—
174168 2002 PD_{84}	16.3	X	194.15112	150.46620	140.70370	7.52032	0.1301483	0.28443041	2.2899115	21	—	—
174169 2002 PP_{88}	16.9	X	161.85086	300.34143	68.68463	3.84323	0.1836790	0.23558450	2.5963999	21	2 23.9	21.0
174170 2002 PE_{90}	15.2	X	170.95741	26.03275	277.92161	14.52434	0.1228577	0.23095289	2.6309976	21	—	—
174171 2002 PX_{90}	15.6	X	139.72044	105.42657	243.62360	10.24032	0.2182112	0.22937403	2.6430571	21	1 10.2	19.6
174172 2002 PA_{91}	15.6	X	64.99591	53.87165	294.21780	13.26961	0.2110718	0.21809039	2.7334536	21	—	—
174173 2002 PL_{97}	16.1	X	130.73654	257.51422	115.72246	9.12670	0.3233712	0.23072463	2.6327325	21	2 14.3	20.3
174174 2002 PO_{97}	15.8	X	320.74163	217.48380	128.04484	7.75719	0.2541272	0.25654872	2.4529544	21	7 4.4	18.1
174175 2002 PY_{97}	15.4	X	116.04142	320.10144	358.85691	13.53554	0.1806606	0.22423410	2.6832941	21	—	—
174176 2002 PU_{109}	16.6	X	96.02511	128.99574	274.68699	10.85016	0.2969582	0.22928467	2.6437438	21	2 5.5	19.9
174177 2002 PH_{116}	15.3	X	22.71260	88.13063	287.43773	22.69335	0.2607123	0.21665623	2.7455030	21	—	—
174178 2002 PK_{120}	16.1	X	69.75927	87.57970	296.41654	7.24624	0.3036527	0.22295989	2.6935077	21	—	—
174179 2002 PB_{126}	15.9	X	216.58224	174.15785	119.14661	5.48035	0.2171104	0.23731983	2.5837274	21	1 10.2	20.3
174180 2002 PL_{130}	15.9	X	198.40347	19.69283	349.03794	14.74170	0.1470825	0.24223720	2.5486419	21	3 22.1	20.0
174181 2002 PR_{133}	17.0	X	21.05552	338.86303	325.08476	3.63451	0.0878670	0.26170134	2.4206505	21	9 12.2	19.7
174182 2002 PJ_{136}	15.3	X	48.14999	113.66911	320.77278	11.72999	0.2362842	0.22868069	2.6483968	21	—	—
174183 2002 PA_{138}	16.8	X	71.15803	120.73459	234.68247	1.58200	0.1544683	0.22168807	2.7037996	21	—	—
174184 2002 PB_{142}	15.6	X	102.50394	113.14494	312.76030	25.77747	0.2144693	0.23348226	2.6119616	21	2 23.6	19.3
174185 2002 PP_{155}	16.3	X	151.52878	271.58796	125.43653	3.23330	0.2146393	0.23869134	2.5738206	21	3 22.1	20.4
174186 2002 PY_{157}	16.8	X	243.15284	278.40554	329.93837	4.60345	0.0965638	0.28724873	2.2749087	21	—	—
174187 2002 PP_{164}	16.3	X	52.60844	130.69469	255.33606	3.49819	0.1913796	0.22183814	2.7025801	21	—	—
174188 2002 QM_{1}	17.0	X	153.12203	133.04499	110.59350	6.38818	0.2011012	0.27491324	2.3424605	21	12 7.2	20.8
174189 2002 QL_{3}	16.7	X	47.26147	51.01404	235.76840	2.80771	0.0989287	0.26256146	2.4153611	21	9 30.5	19.6
174190 2002 QK_{4}	15.9	X	89.92598	65.74141	319.66605	12.17747	0.1688219	0.22772256	2.6558202	21	—	—
174191 2002 QL_{9}	16.5	X	77.00647	177.17250	100.43440	8.39900	0.1113420	0.26552940	2.3973290	21	11 3.5	19.8
174192 2002 QM_{12}	16.4	X	84.35195	359.50232	204.03904	6.36650	0.0479780	0.25581317	2.4576543	21	7 18.3	19.6
174193 2002 QQ_{17}	16.7	X	110.36378	282.99886	330.87155	4.18235	0.0932487	0.26876421	2.3780542	21	11 4.1	20.0
174194 2002 QW_{19}	15.3	X	9.94962	84.79594	304.20143	8.11945	0.2225855	0.21488371	2.7605804	21	—	—
174195 2002 QW_{30}	16.8	X	83.67249	150.02098	113.34685	3.12349	0.1409754	0.26595046	2.3947980	21	10 25.3	20.1
174196 2002 QX_{30}	16.3	X	29.17019	301.67155	50.99431	2.56947	0.0775665	0.21603545	2.7507600	21	11 22.5	19.6
174197 2002 QN_{36}	15.8	X	260.64360	62.77408	303.98597	0.69912	0.1105701	0.19812705	2.9141162	21	5 30.1	20.0
174198 2002 QS_{41}	16.4	X	320.63028	218.72553	120.05218	4.98911	0.1417931	0.25727827	2.4483151	21	7 12.1	18.9
174199 2002 QS_{43}	16.1	X	338.72038	272.71118	31.30408	5.39420	0.1905230	0.25615627	2.4554592	21	6 17.2	18.2
174200 2002 QF_{46}	16.1	X	138.01472	219.59289	86.50022	7.06325	0.3180674	0.22786425	2.6547192	21	—	—
174201 2002 QO_{48}	16.7	X	115.31794	76.69850	332.99396	10.60461	0.2042488	0.23434844	2.6055216	21	2 26.2	20.1
174202 2002 QQ_{49}	16.7	X	199.14082	354.48130	343.92379	2.18324	0.0892922	0.23949423	2.5680650	21	2 15.4	20.3
174203 2002 QY_{50}	15.8	X	45.59529	164.76813	324.56948	11.11737	0.0173620	0.23725502	2.5841979	21	2 10.1	19.1
174204 2002 QM_{63}	17.1	X	82.57504	340.79006	29.56600	2.54962	0.2023160	0.22474800	2.6792022	21	—	—
174205 2002 QW_{63}	16.0	X	184.95110	39.09082	338.81424	14.45528	0.1637980	0.24100098	2.5573501	21	3 20.2	20.2
174206 2002 QB_{68}	17.1	X	308.60507	93.91945	175.25025	1.88111	0.1198125	0.24626074	2.5208051	21	3 17.9	20.1
174207 2002 QF_{69}	17.0	X	156.60055	187.44805	45.19060	2.73871	0.1846173	0.27311757	2.3527166	21	11 25.9	20.7
174208 2002 QF_{76}	16.4	X	177.26078	279.56014	105.92492	9.11504	0.1467389	0.24058962	2.5602643	21	3 30.3	20.5
174209 2002 QX_{79}	16.5	X	324.93590	12.21411	307.47605	5.68953	0.1246397	0.25689795	2.4507309	21	6 23.4	19.1
174210 2002 QH_{81}	16.5	X	214.31968	38.87214	330.05744	12.69738	0.0870520	0.24579013	2.5240217	21	4 3.9	20.5
174211 2002 QH_{92}	16.8	X	55.26770	214.05188	101.43626	4.57153	0.2025085	0.26855021	2.3793174	21	12 6.7	20.0
174212 2002 QD_{95}	16.6	X	147.23127	311.20372	49.74735	3.12619	0.1004610	0.23398597	2.6082117	21	1 20.7	20.2
174213 2002 QO_{104}	17.0	X	23.50202	71.45272	232.68094	1.24490	0.0626652	0.26212546	2.4180387	21	9 13.7	19.6
174214 2002 QC_{105}	16.9	X	203.46488	141.11254	1.35061	1.39426	0.1240195	0.26243898	2.4161125	21	9 20.6	20.4
174215 2002 QE_{117}	16.5	X	216.19039	267.23062	203.72566	4.45115	0.0967015	0.26012900	2.4303950	21	8 24.5	19.8
174216 2002 QO_{122}	16.4	X	65.51002	74.59096	353.63737	3.63963	0.0412462	0.23333008	2.6130972	21	—	—
174217 2002 RE_{2}	15.5	X	112.78233	33.58131	349.34155	14.33535	0.1093304	0.22941872	2.6427139	21	1 10.9	19.2
174218 2002 RK_{2}	16.3	X	170.66025	218.64968	172.33668	12.30887	0.1628221	0.23866908	2.5739807	21	3 28.5	20.3
174219 2002 RB_{12}	16.5	X	107.92327	130.92075	274.56697	1.25475	0.1897647	0.23040858	2.6351395	21	2 10.4	19.9
174220 2002 RW_{16}	16.5	X	130.46494	356.61908	344.53517	2.76922	0.1511741	0.22764793	2.6564007	21	—	—
174221 2002 RK_{19}	16.5	X	178.21144	312.72755	72.34842	2.25490	0.2135391	0.23843422	2.5756706	21	3 30.1	20.7
174222 2002 RE_{24}	15.9	X	80.65851	79.61892	336.74489	9.38691	0.2422549	0.22808007	2.6530442	21	1 26.1	18.6
174223 2002 RZ_{29}	16.8	X	321.99986	88.40485	214.84380	5.91957	0.1630738	0.25186596	2.4832650	21	5 18.5	19.3
174224 2002 RK_{30}	16.4	X	114.82628	104.10841	288.22710	4.49051	0.1416744	0.23117718	2.6292956	21	1 26.1	19.7
174225 2002 RO_{33}	15.6	X	351.09325	156.95131	228.44835	3.50139	0.0837403	0.21297973	2.7770084	21	11 9.4	19.0
174226 2002 RQ_{33}	15.8	X	52.70128	94.16001	325.04130	7.37164	0.1889258	0.22476764	2.6790461	21	—	—
174227 2002 RX_{42}	16.6	X	205.82103	234.10578	128.87881	5.16271	0.1532723	0.24141822	2.5544026	21	3 26.6	20.8
174228 2002 RN_{45}	16.7	X	169.37574	279.49793	82.42320	3.34967	0.1812299	0.23544024	2.5974604	21	2 21.6	20.8
174229 2002 RX_{49}	16.1	X	121.72728	282.05878	149.99415	5.65203	0.2676966	0.23440976	2.6050671	21	4 12.9	20.1
174230 2002 RY_{66}	16.0	X	135.95398	32.36530	335.22999	16.66394	0.1930193	0.23012223	2.6373251	21	1 31.5	19.9
174231 2002 RL_{72}	16.3	X	152.60296	339.99645	359.45865	2.54809	0.0995823	0.23124344	2.6287933	21	—	—
174232 2002 RH_{73}	16.6	X	251.64758	178.43715	170.27139	5.71903	0.1101537	0.24674095	2.5175333	21	4 24.9	20.3
174233 2002 RH_{82}	15.0	X	355.46913	63.60849	354.35609	14.84884	0.2753172	0.21410710	2.7672517	21	—	—
174234 2002 RD_{84}	15.8	X	73.94189	162.33633	189.15319	4.81988	0.1720328	0.21959992	2.7209126	21	—	—
174235 2002 RA_{92}	16.3	X	191.02371	205.80307	169.20633	4.18392	0.1642650	0.24075043	2.5591240	21	3 26.6	20.5
174236 2002 RO_{117}	16.0	X	145.65742	1.40390	31.13538	10.07310	0.1324939	0.23440987	2.6050663	21	3 6.7	19.9
174237 2002 RQ_{122}	15.7	X	60.73311	291.26637	76.88923	10.54387	0.1440089	0.21985845	2.7187792	21	—	—
174238 2002 RV_{122}	15.9	X	38.72829	259.75285	115.61328	9.77894	0.1666768	0.21723990	2.7405832	21	—	—
174239 2002 RQ_{124}	16.0	X	70.93306	347.36004	95.19387	9.79724	0.0540700	0.23305849	2.6151268	21	1 18.6	19.2
174240 2002 RR_{130}	16.2	X	167.85998	101.04810	328.54135	12.37529	0.1665393	0.24180970	2.5516449	21	5 7.0	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
174241 2002 RE_{145}	15.7	X	103.45457	184.73716	0.19765	8.67778	0.1205503	0.25263267	2.4782382	21	8 2.4	19.2
174242 2002 RC_{148}	16.5	X	214.81683	331.99288	63.00445	1.87202	0.1118738	0.24578921	2.5240280	21	5 13.7	20.3
174243 2002 RC_{149}	15.7	X	53.79455	153.28171	249.75907	11.05356	0.1035690	0.22383996	2.6864430	21	—	—
174244 2002 RM_{154}	17.6	X	259.00224	139.37113	201.42435	2.43418	0.1610576	0.24624726	2.5208971	21	4 15.9	21.5
174245 2002 RK_{155}	16.0	X	79.82305	82.38696	220.75582	1.78984	0.0720335	0.21536605	2.7564570	21	11 23.4	19.7
174246 2002 RN_{158}	15.9	X	210.05092	314.22450	332.88202	5.41998	0.1678623	0.28506561	2.2865085	21	—	—
174247 2002 RG_{170}	16.2	X	212.84189	82.94006	283.19694	3.96261	0.0737621	0.24386018	2.5373212	21	4 3.1	20.0
174248 2002 RL_{172}	15.8	X	127.16706	274.32791	133.78122	11.81662	0.1955462	0.23435667	2.6054605	21	3 12.0	19.6
174249 2002 RU_{174}	16.5	X	136.27049	150.99087	273.59525	4.44537	0.0931633	0.23890499	2.5722859	21	3 24.7	20.2
174250 2002 RU_{177}	16.7	X	223.96733	35.42855	316.75780	4.41777	0.0854784	0.24171766	2.5522926	21	3 28.4	20.4
174251 2002 RR_{184}	15.7	X	204.06910	79.71334	207.27843	13.70634	0.0714010	0.23051388	2.6343370	21	—	—
174252 2002 RN_{186}	15.9	X	130.75139	46.30970	237.85275	8.41770	0.0774165	0.21902994	2.7256310	21	12 26.0	20.0
174253 2002 RN_{189}	16.7	X	150.91377	97.96237	232.35129	3.16289	0.1119505	0.22937949	2.6430152	21	—	—
174254 2002 RK_{199}	16.1	X	59.44096	91.46290	357.50434	11.16098	0.1653291	0.22940311	2.6428337	21	1 22.4	18.9
174255 2002 RP_{200}	16.0	X	190.50299	355.85295	72.86348	7.18338	0.1321321	0.24670966	2.5177462	21	5 31.9	19.9
174256 2002 RS_{200}	16.1	X	273.32348	217.20096	112.03241	6.78328	0.1281207	0.24695001	2.5161123	21	4 23.9	19.7
174257 2002 RM_{211}	16.6	X	271.72890	302.55095	26.88296	3.13435	0.1502215	0.24440774	2.5335302	21	4 16.5	20.0
174258 2002 RE_{216}	16.0	X	62.75259	19.46485	20.56061	8.82050	0.2508054	0.22366566	2.6878385	21	—	—
174259 2002 RF_{219}	16.4	X	125.45389	285.53294	357.53179	6.76114	0.1007421	0.27330133	2.3516619	21	12 30.7	20.0
174260 2002 RR_{224}	15.9	X	65.71936	342.12865	61.86647	9.87011	0.2619197	0.22366073	2.6878780	21	—	—
174261 2002 RB_{227}	17.0	X	127.60164	121.99085	247.66845	2.27291	0.1918820	0.22994708	2.6386642	21	1 20.4	20.6
174262 2002 RC_{231}	15.8	X	146.94255	297.85001	39.06133	13.02452	0.0791512	0.22926642	2.6438841	21	—	—
174263 2002 RJ_{238}	17.0	X	203.54328	7.10562	221.36096	1.55467	0.1629212	0.27746778	2.3280609	21	—	—
174264 2002 RB_{239}	15.9	X	78.21253	244.78941	177.17716	9.52262	0.1143441	0.23058338	2.6338076	21	1 7.4	19.1
174265 2002 RM_{239}	16.5	X	118.02057	235.73931	329.74360	6.03078	0.0701670	0.25952255	2.4341798	21	9 7.6	19.8
174266 2002 RW_{239}	16.9	X	217.97185	103.79433	144.23875	5.71514	0.1360543	0.28263932	2.2995754	21	—	—
174267 2002 RS_{254}	16.6	X	349.84849	347.93039	205.75489	2.37403	0.0970506	0.23878089	2.5731771	21	2 7.9	19.6
174268 2002 RF_{263}	15.5	X	158.85250	239.36959	115.52069	16.43275	0.1801617	0.22972529	2.6403622	21	2 3.8	19.7
174269 2002 RL_{274}	16.9	X	97.62543	75.80604	352.00591	3.42181	0.2262914	0.23332537	2.6131323	21	3 3.5	20.1
174270 2002 SU_{8}	16.2	X	69.41137	274.28204	128.59471	2.95867	0.2492244	0.22303651	2.6928908	21	—	—
174271 2002 SV_{8}	16.1	X	22.16758	30.44475	34.42406	4.63283	0.0595986	0.22031878	2.7149908	21	—	—
174272 2002 SK_{10}	16.0	X	83.77848	85.06974	20.82761	14.85169	0.0649638	0.23486629	2.6016903	21	3 14.6	19.4
174273 2002 SL_{10}	15.8	X	208.57495	43.07578	185.88665	8.83965	0.0257006	0.21970475	2.7200471	21	—	—
174274 2002 SH_{11}	16.3	X	157.36976	5.58813	69.24383	2.53142	0.0450183	0.24153425	2.5535845	21	4 30.3	19.7
174275 2002 SX_{15}	16.5	X	219.13895	17.27448	307.26952	11.23137	0.2413008	0.23769076	2.5810387	21	2 15.2	21.0
174276 2002 SX_{16}	16.5	X	60.43194	82.06862	358.51681	3.03228	0.1897309	0.22621236	2.6676274	21	1 12.6	19.0
174277 2002 SH_{17}	17.0	X	110.42591	55.28620	209.46255	1.63404	0.2025428	0.26717607	2.3874686	21	11 25.9	20.8
174278 2002 SB_{22}	15.7	X	185.64333	286.22525	17.49517	12.04256	0.0588262	0.22866847	2.6484912	21	—	—
174279 2002 SE_{27}	16.3	X	173.40535	261.05200	107.27033	4.87218	0.1679944	0.23476016	2.6024743	21	3 4.7	20.5
174280 2002 SL_{27}	16.0	X	134.33437	306.07606	96.09534	15.26766	0.2142220	0.23278946	2.6171413	21	3 18.9	20.3
174281 Lonský	15.9	X	101.91195	350.62906	89.15163	8.06866	0.0828934	0.23286132	2.6166029	21	3 6.9	19.4
174282 2002 SA_{32}	16.0	X	83.86466	224.71734	140.77446	6.58441	0.0582712	0.22183872	2.7025754	21	—	—
174283 2002 SS_{32}	16.5	X	158.76213	127.87127	242.50807	1.77246	0.2944938	0.23321871	2.6139290	21	2 28.3	21.0
174284 2002 SK_{33}	16.5	X	145.26621	36.01686	350.67538	3.34784	0.2066915	0.23258109	2.6187042	21	3 2.6	20.5
174285 2002 SL_{35}	16.1	X	77.92343	288.39654	134.93467	2.93830	0.1975208	0.22628925	2.6670231	21	1 21.9	18.9
174286 2002 SO_{36}	16.1	X	144.56458	207.84960	147.86864	3.84705	0.1373205	0.22873290	2.6479938	21	1 15.5	20.0
174287 2002 SX_{37}	15.7	X	252.86829	221.90844	78.99289	9.78775	0.3618456	0.24001883	2.5643217	21	2 12.2	20.6
174288 2002 SL_{38}	16.2	X	172.13333	248.19553	41.40196	2.67584	0.0696051	0.22542858	2.6738071	21	—	—
174289 2002 SV_{46}	15.5	X	62.42833	173.36234	212.37013	9.23759	0.2523664	0.21873018	2.7281207	21	—	—
174290 2002 SX_{46}	15.5	X	182.32857	290.90508	42.36030	13.00304	0.1805339	0.23047845	2.6346069	21	2 2.7	20.0
174291 2002 SA_{48}	15.8	X	139.37287	147.75504	186.35511	5.76004	0.0669609	0.22621781	2.6675845	21	—	—
174292 2002 SG_{50}	15.5	X	54.70277	260.78635	64.59167	2.61720	0.2150922	0.21307529	2.7761781	21	12 9.9	19.5
174293 2002 SW_{52}	15.7	X	157.65931	305.34093	58.34198	12.34674	0.1793453	0.23296040	2.6158609	21	2 17.1	20.0
174294 2002 SP_{56}	16.4	X	214.56632	277.87865	75.53542	6.19568	0.1756164	0.24048158	2.5610310	21	3 23.8	20.6
174295 2002 SG_{57}	15.8	X	97.54870	326.40223	122.78224	7.93402	0.2980266	0.23198513	2.6231872	21	4 14.9	19.5
174296 2002 TA_{4}	16.2	X	194.00773	306.34063	42.07586	6.24514	0.0977956	0.23468516	2.6030288	21	2 26.1	20.1
174297 2002 TV_{12}	15.5	X	62.88538	91.57859	33.94428	8.39312	0.0351579	0.23679330	2.5875561	21	3 5.8	18.9
174298 2002 TK_{15}	16.6	X	175.00913	228.26553	150.24899	5.16548	0.2287971	0.23705016	2.5856866	21	3 20.4	20.9
174299 2002 TQ_{19}	16.5	X	96.50638	146.08863	43.87311	3.24394	0.0750232	0.25031494	2.4935124	21	7 22.7	19.8
174300 2002 TR_{21}	15.9	X	139.88706	348.47197	43.83943	5.31872	0.1005134	0.23237267	2.6202699	21	2 22.6	19.6
174301 2002 TJ_{24}	16.2	X	177.56818	311.87268	20.16720	5.65928	0.1289770	0.23091769	2.6312650	21	1 21.6	20.3
174302 2002 TZ_{27}	16.3	X	16.72056	167.33650	209.17134	4.43689	0.1665608	0.21209859	2.7846944	21	12 17.3	19.6
174303 2002 TZ_{42}	15.5	X	319.68121	253.48723	213.38016	12.20764	0.1134579	0.21398280	2.7683233	21	—	—
174304 2002 TE_{45}	15.9	X	136.93812	347.50728	44.84182	3.82883	0.1123013	0.23055618	2.6340148	21	2 20.2	19.6
174305 2002 TQ_{56}	16.6	X	242.96398	295.81038	15.90991	5.01572	0.1523498	0.23941513	2.5686306	21	2 25.9	20.6
174306 2002 TU_{61}	16.1	X	99.42826	76.86605	334.23724	11.40487	0.1406705	0.22917217	2.6446090	21	2 1.6	19.4
174307 2002 TY_{61}	16.0	X	69.46842	119.83313	306.41014	7.81179	0.0663846	0.22744308	2.6579955	21	—	—
174308 2002 TS_{63}	16.8	X	207.71973	27.60347	305.83194	0.53512	0.1452100	0.23505088	2.6003280	21	2 18.8	20.9
174309 2002 TX_{65}	16.7	X	167.60945	13.51640	359.49405	1.40411	0.0871776	0.23347414	2.6120222	21	2 25.6	20.3
174310 2002 TL_{70}	15.5	X	75.82909	193.87143	261.72217	12.74376	0.0621695	0.23505067	2.6003295	21	2 6.1	18.9
174311 2002 TS_{72}	15.8	X	97.01490	70.88486	270.17510	3.99226	0.1623131	0.22023250	2.7156999	21	—	—
174312 2002 TF_{73}	15.5	X	20.39743	135.84128	277.27331	6.09868	0.0982192	0.21700278	2.7425793	21	—	—
174313 2002 TM_{75}	15.8	X	166.94992	191.55486	96.48803	6.57112	0.2639219	0.22746728	2.6578069	21	—	—
174314 2002 TF_{77}	16.1	X	111.90428	43.10642	359.46104	5.04873	0.2043388	0.22890984	2.6466290	21	2 15.9	19.6
174315 2002 TA_{86}	15.9	X	83.61179	157.86877	238.24606	2.89015	0.2240911	0.22460084	2.6803724	21	—	—
174316 2002 TS_{87}	16.6	X	111.29251	64.66472	357.74681	3.51868	0.1350640	0.23213241	2.6220776	21	3 1.1	20.0
174317 2002 TM_{91}	15.1	X	0.00650	23.55502	2.93866	7.97457	0.2327626	0.21051708	2.7986236	21	12 9.9	18.1
174318 2002 TK_{94}	16.0	X	241.98294	75.08066	8.87563	18.16887	0.1575925	0.20148896	2.8816101	21	8 18.6	20.6
174319 2002 TJ_{97}	17.0	X	231.94917	303.76142	58.22548	1.29622	0.0577656	0.24325296	2.5415420	21	4 23.1	20.6
174320 2002 TT_{109}	15.8	X	11.72383	268.58140	131.29465	9.69144	0.3125673	0.21370109	2.7707556	21	—	—

Planet		H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
		m		°	°	°	°		°				
174321	2002 TP_{110}	15.6	X	57.55371	272.96224	138.63670	13.03490	0.2026156	0.22217907	2.6998147	21	—	—
174322	2002 TG_{115}	16.5	X	63.59951	123.69932	280.19550	6.83616	0.2377523	0.22225213	2.6992229	21	—	—
174323	2002 TV_{118}	15.5	X	32.09348	187.19412	237.20468	9.35172	0.2249405	0.21942691	2.7223427	21	—	—
174324	2002 TN_{120}	16.0	X	66.20746	126.96145	264.15669	7.92103	0.1263696	0.22100890	2.7093361	21	—	—
174325	2002 TS_{121}	16.0	X	113.06065	64.92049	323.19090	5.71308	0.1549003	0.22719725	2.6599124	21	1 22.5	19.5
174326	2002 TD_{122}	16.2	X	354.38716	198.43144	227.23900	12.23584	0.2012852	0.21669446	2.7451802	21	—	—
174327	2002 TO_{122}	15.0	X	268.67716	94.23111	244.50869	10.90346	0.0669951	0.19437208	2.9515272	21	5 9.1	19.2
174328	2002 TC_{132}	16.2	X	3.29627	354.69092	322.46719	5.75925	0.1001823	0.25628985	2.4546059	21	9 1.2	18.8
174329	2002 TV_{136}	15.8	X	176.36542	82.69636	318.01706	8.17730	0.1620839	0.23815918	2.5776533	21	4 9.6	20.1
174330	2002 TW_{136}	16.1	X	221.07270	27.94787	291.64682	7.38692	0.1883945	0.23588396	2.5942019	21	2 11.9	20.5
174331	2002 TR_{138}	15.4	X	109.13111	162.95134	252.59818	13.21019	0.0978465	0.22956106	2.6416213	21	2 5.9	19.1
174332	2002 TD_{140}	16.6	X	172.26270	123.15817	262.41011	0.71392	0.1004808	0.23719833	2.5846096	21	3 18.1	20.3
174333	2002 TN_{143}	16.3	X	133.76718	324.36496	78.02750	8.60737	0.1876359	0.23240026	2.6200624	21	3 12.9	20.3
174334	2002 TH_{160}	15.4	X	314.02029	26.40323	82.81376	13.91107	0.1123850	0.21420958	2.7663691	21	12 31.3	18.6
174335	2002 TK_{171}	15.7	X	92.29774	81.80182	327.29692	11.36221	0.1795483	0.22703080	2.6612124	21	1 25.7	18.9
174336	2002 TS_{171}	15.4	X	181.39501	46.79198	255.34054	11.78136	0.1473383	0.22997910	2.6384193	21	—	—
174337	2002 TC_{177}	14.8	X	22.80722	240.10362	147.73717	13.58153	0.2595918	0.21338559	2.7734861	21	—	—
174338	2002 TO_{180}	15.8	X	87.63690	59.02943	305.30597	11.23940	0.2106043	0.22003176	2.7173514	21	—	—
174339	2002 TE_{191}	15.6	X	108.09816	59.09905	306.31329	10.34245	0.2059231	0.22309646	2.6924084	21	—	—
174340	2002 TP_{193}	16.1	X	85.50212	303.11353	45.02788	4.86454	0.1248895	0.21970051	2.7200821	21	—	—
174341	2002 TA_{204}	16.2	X	239.71678	247.59411	71.80200	7.91884	0.1421703	0.23858132	2.5746118	21	3 7.3	20.3
174342	2002 TY_{209}	16.0	X	187.90126	247.96942	124.71826	8.31389	0.1382293	0.23718756	2.5846879	21	3 23.3	20.1
174343	2002 TX_{211}	15.7	X	77.59919	330.35389	64.80836	14.33721	0.0943445	0.22571465	2.6715474	21	—	—
174344	2002 TS_{216}	16.1	X	211.26563	232.96676	99.87180	12.72756	0.1780593	0.23802873	2.5785949	21	2 25.2	20.5
174345	2002 TA_{225}	16.0	X	19.88131	24.36554	40.79598	9.12392	0.2053385	0.21698012	2.7427702	21	—	—
174346	2002 TY_{231}	15.6	X	104.63955	156.32221	297.00661	13.06049	0.1169624	0.23568703	2.5956468	21	3 21.3	19.3
174347	2002 TJ_{232}	16.4	X	104.01796	107.16768	300.15358	11.13547	0.1409201	0.22920394	2.6443646	21	1 30.7	19.7
174348	2002 TQ_{241}	15.7	X	67.63143	343.11185	121.38183	14.03463	0.1327427	0.22823002	2.6518821	21	2 23.5	18.8
174349	2002 TB_{242}	15.8	X	177.38514	273.64086	85.95435	8.96874	0.2202144	0.23373791	2.6100567	21	3 2.6	20.3
174350	2002 TC_{243}	15.6	X	123.04563	266.78922	104.85574	13.30345	0.1225358	0.22466309	2.6798772	21	1 9.4	19.1
174351	2002 TP_{249}	16.0	X	18.57596	38.56956	51.29017	5.34971	0.2073792	0.21950413	2.7217041	21	—	—
174352	2002 TU_{255}	16.0	X	142.54019	144.67478	232.08239	1.23573	0.0967507	0.22847198	2.6500094	21	2 3.3	19.8
174353	2002 TT_{257}	15.6	X	36.40491	353.78182	60.30839	6.54458	0.1285530	0.21803715	2.7338985	21	—	—
174354	2002 TL_{261}	15.0	X	34.96134	193.65314	228.39298	8.96520	0.1981188	0.21507872	2.7589114	21	—	—
174355	2002 TS_{276}	16.5	X	222.09342	6.03630	346.46509	2.34698	0.1901850	0.23964852	2.5669626	21	3 25.2	20.8
174356	2002 TS_{279}	15.4	X	161.99965	352.89433	358.16436	14.62042	0.1154781	0.22951848	2.6419481	21	1 31.5	19.5
174357	2002 TA_{282}	15.2	X	73.78392	121.42816	235.24929	7.97599	0.1713058	0.21763533	2.7372625	21	—	—
174358	2002 TU_{287}	15.7	X	16.70177	204.53272	249.24307	11.57013	0.2053010	0.21842117	2.7306931	21	—	—
174359	2002 TO_{292}	15.6	X	346.76237	338.21362	30.88790	15.70921	0.1441450	0.20472916	2.8511249	21	10 14.4	18.6
174360	2002 TX_{295}	15.7	X	89.37303	78.62013	310.86076	8.89631	0.2270016	0.22242489	2.6978251	21	1 2.5	18.7
174361	Rickwhite	16.0	X	107.10340	44.19338	113.41796	11.90457	0.2049445	0.24081648	2.5586561	21	7 7.9	19.7
174362	Bethwillman	15.8	X	321.50517	331.61869	185.98792	11.51851	0.1170612	0.22584391	2.6705280	21	—	—
174363	Donyork	16.1	X	148.71346	203.43930	60.43361	10.45346	0.0946923	0.21681405	2.7441706	21	12 19.6	20.4
174364	Zakamska	15.9	X	70.41664	235.06996	82.83838	12.55138	0.0958871	0.21206612	2.7849786	21	12 3.8	19.8
174365	Zibetti	16.4	X	24.49057	335.14317	109.99263	11.59301	0.0494892	0.22065002	2.7122730	21	—	—
174366	2002 TD_{376}	15.6	X	205.80135	303.48786	9.50549	13.26925	0.1107790	0.23104180	2.6303226	21	1 28.3	19.9
174367	2002 UK_{3}	15.8	X	235.76047	201.04495	124.48913	15.38476	0.3031534	0.23844772	2.5755734	21	3 3.9	20.6
174368	2002 UR_{9}	14.2	X	127.42399	348.53107	65.47437	28.23859	0.1504492	0.17503730	3.1650627	21	4 4.5	19.5
174369	2002 UD_{11}	16.0	X	229.35668	47.47796	300.84397	3.50965	0.0420565	0.23724902	2.5842415	21	4 1.5	19.6
174370	2002 UA_{17}	16.1	X	126.89501	207.27434	153.44406	9.50089	0.2201340	0.22451443	2.6810601	21	1 13.1	20.0
174371	2002 UZ_{31}	16.3	X	59.55276	87.25351	357.00733	12.44582	0.1445173	0.22532832	2.6746002	21	1 15.4	19.4
174372	2002 UV_{34}	16.3	X	167.95957	244.21942	147.53225	3.13568	0.0857548	0.23474117	2.6026147	21	3 21.8	20.0
174373	2002 UW_{36}	15.6	X	293.50032	220.29209	115.85737	2.56345	0.1061200	0.24471726	2.5313934	21	5 30.8	18.7
174374	2002 UU_{37}	16.2	X	187.52992	138.22675	245.71897	2.12052	0.0735795	0.23661268	2.5888728	21	3 30.8	19.9
174375	2002 UC_{42}	16.4	X	123.47079	242.52510	211.24248	6.23029	0.0758492	0.23769928	2.5809770	21	4 16.4	19.7
174376	2002 UU_{44}	16.2	X	208.94389	232.11471	131.48665	8.22994	0.2112357	0.23903547	2.5713497	21	3 31.0	20.6
174377	2002 UO_{45}	16.1	X	341.55086	128.26152	282.50302	3.04257	0.0980475	0.20983814	2.8046571	21	11 27.6	19.4
174378	2002 UJ_{49}	16.2	X	75.86642	305.74527	95.38659	12.78806	0.2011183	0.22155828	2.7048554	21	—	—
174379	2002 UT_{49}	15.6	X	74.78445	62.81491	350.93426	8.04408	0.2436326	0.22124916	2.7073742	21	1 13.5	18.4
174380	2002 VX_{6}	15.7	X	52.86618	28.81437	312.23224	3.48361	0.0806909	0.21032503	2.8003269	21	12 7.9	19.5
174381	2002 VE_{7}	16.5	X	68.42229	158.05303	260.11840	0.99411	0.2008023	0.22254682	2.6968397	21	—	—
174382	2002 VE_{8}	16.2	X	44.33180	69.74376	327.52985	6.04972	0.1728901	0.21750244	2.7383773	21	—	—
174383	2002 VG_{8}	16.4	X	148.80106	115.11857	281.64288	4.42512	0.1415155	0.23294049	2.6160100	21	3 9.6	20.3
174384	2002 VP_{8}	15.9	X	103.63811	72.66450	26.03614	15.35376	0.0835338	0.23390357	2.6088242	21	4 2.1	19.3
174385	2002 VR_{10}	16.1	X	198.40313	22.41359	324.95279	3.75796	0.0302965	0.23201552	2.6229581	21	2 24.6	19.8
174386	2002 VP_{11}	16.5	X	125.60211	34.74848	350.84313	2.02260	0.1880334	0.22698564	2.6615653	21	2 7.9	20.1
174387	2002 VP_{12}	16.1	X	75.74534	98.56412	306.81390	3.02571	0.0817943	0.22260436	2.6963749	21	—	—
174388	2002 VV_{12}	16.3	X	120.05164	2.93113	14.19085	2.98839	0.1122242	0.22541615	2.6739054	21	1 11.5	19.8
174389	2002 VF_{18}	16.7	X	158.48861	211.83421	178.46622	2.42977	0.1103717	0.23303492	2.6153032	21	3 10.9	20.5
174390	2002 VX_{19}	16.5	X	14.08072	230.85891	190.46536	0.62214	0.1915916	0.21419884	2.7664616	21	—	—
174391	2002 VG_{22}	16.2	X	101.72069	356.56942	24.38840	2.54839	0.1152857	0.22323241	2.6913151	21	—	—
174392	2002 VE_{26}	16.3	X	115.80116	107.66097	240.30377	2.68787	0.2325641	0.22191132	2.7019859	21	—	—
174393	2002 VO_{31}	15.3	X	218.98867	225.68564	66.49851	16.05398	0.2470062	0.22845520	2.6501392	21	1 12.9	20.2
174394	2002 VU_{33}	15.5	X	82.78686	327.77097	70.97334	15.39668	0.1040353	0.22038671	2.7144330	21	—	—
174395	2002 VU_{39}	15.7	X	122.47011	300.28601	171.74483	8.15265	0.1310018	0.23610104	2.5926115	21	5 18.9	19.5
174396	2002 VU_{40}	16.0	X	338.75439	252.87027	277.07970	4.23870	0.0461159	0.22506571	2.6766802	21	1 3.2	19.5
174397	2002 VX_{44}	15.8	X	111.34740	292.65807	54.00059	12.06691	0.2094740	0.22305039	2.6927791	21	—	—
174398	2002 VO_{52}	16.3	X	251.17384	235.34573	77.33627	6.43537	0.1709588	0.23887600	2.5724940	21	3 7.2	20.4
174399	2002 VU_{54}	15.9	X	336.46687	295.77356	132.98159	4.54664	0.0966404	0.21171208	2.7880825	21	12 14.3	19.1
174400	2002 VX_{58}	15.8	X	154.13140	222.03927	127.97488	6.17721	0.3061344	0.22745847	2.6578756	21	2 3.6	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
174401 2002 VJ_{62}	15.2	X	349.41075	231.81042	47.58026	14.78714	0.1370498	0.24469405	2.5315535	21	6 4.7	17.9
174402 2002 VU_{71}	15.7	X	332.12103	195.00155	79.09571	7.02663	0.1164771	0.24227485	2.5483779	21	5 2.9	18.6
174403 2002 VF_{72}	16.5	X	119.69771	240.93721	133.79080	3.52847	0.1171778	0.22498706	2.6773040	21	1 8.0	19.9
174404 2002 VM_{72}	15.9	X	354.14329	319.20218	92.95894	4.25396	0.0596517	0.21099474	2.7943982	21	12 16.7	19.4
174405 2002 VV_{73}	16.1	X	102.87312	330.71693	70.77702	3.97366	0.0894810	0.22676802	2.6632678	21	1 16.2	19.4
174406 2002 VL_{75}	16.3	X	181.08502	265.41610	98.51419	4.10359	0.1888200	0.23315524	2.6144034	21	3 7.3	20.6
174407 2002 VW_{75}	16.0	X	131.71519	312.35970	87.91108	5.29935	0.1060372	0.23125297	2.6287211	21	2 23.6	19.7
174408 2002 VG_{76}	15.9	X	353.50797	354.36158	124.04833	5.81991	0.0614246	0.21961885	2.7207563	21	—	—
174409 2002 VM_{79}	15.7	X	132.40803	136.89279	223.75563	12.04828	0.0801557	0.22348276	2.6893048	21	—	—
174410 2002 VT_{80}	16.5	X	111.69276	167.57861	186.33021	5.13674	0.2978358	0.22205720	2.7008024	21	—	—
174411 2002 VP_{86}	15.9	X	280.71815	28.17085	287.28312	4.21547	0.1766862	0.24212070	2.5494594	21	4 3.1	19.7
174412 2002 VU_{101}	15.7	X	352.78398	207.62469	235.00982	7.19005	0.3208043	0.21156737	2.7893537	21	—	—
174413 2002 VC_{107}	15.1	X	331.59400	151.07369	38.94442	17.14740	0.2280194	0.22482795	2.6785670	21	—	—
174414 2002 VL_{111}	15.6	X	112.12588	304.08110	79.86885	16.74120	0.0521958	0.22416212	2.6838685	21	—	—
174415 2002 VS_{111}	15.7	X	45.01545	233.16520	267.52249	9.26494	0.2439515	0.22744601	2.6579726	21	3 6.8	18.2
174416 2002 VQ_{112}	15.9	X	139.35559	77.82919	260.58753	4.53795	0.2165970	0.22400217	2.6851460	21	—	—
174417 2002 VF_{114}	15.5	X	346.32617	195.77141	254.57219	5.71698	0.1775311	0.21287155	2.7779492	21	—	—
174418 2002 VZ_{121}	15.6	X	65.37005	39.13155	320.92561	8.19000	0.1789945	0.21578558	2.7528831	21	—	—
174419 2002 VS_{129}	16.5	X	68.40034	85.50006	2.86716	2.84094	0.0646950	0.22757369	2.6569783	21	1 25.0	19.8
174420 2002 VU_{139}	15.4	X	286.56885	298.10890	242.63111	11.77896	0.1367837	0.21508900	2.7588235	21	—	—
174421 2002 WS_{1}	16.1	X	114.94661	315.15702	97.60751	3.14040	0.0648303	0.22772255	2.6558203	21	2 12.1	19.6
174422 2002 WW_{1}	15.9	X	1.12941	1.61407	75.67446	4.01347	0.0501490	0.21425140	2.7660091	21	—	—
174423 2002 WS_{7}	16.0	X	93.39548	294.10379	68.76998	5.87146	0.1290455	0.21838119	2.7310264	21	—	—
174424 2002 WY_{13}	15.3	X	249.13544	210.22344	98.49823	10.21249	0.1233528	0.23313633	2.6145448	21	3 5.4	19.4
174425 2002 WF_{15}	15.6	X	193.98796	242.26684	137.51784	5.67013	0.0928973	0.23494696	2.6010947	21	4 5.4	19.6
174426 2002 WO_{18}	15.7	X	120.62017	282.30968	93.33925	15.02192	0.1376674	0.22519743	2.6756364	21	1 13.8	19.3
174427 2002 WL_{19}	16.2	X	61.65020	193.39591	112.38794	3.13267	0.0520332	0.20482627	2.8502237	21	11 1.4	20.2
174428 2002 XS	15.7	X	326.34555	275.61200	88.50875	7.02674	0.0922631	0.19931293	2.9025457	21	9 3.3	19.3
174429 2002 XZ_{7}	15.5	X	277.57083	301.00751	67.99378	12.08959	0.1132755	0.19373137	2.9580312	21	6 22.2	19.7
174430 2002 XO_{11}	15.6	X	105.32963	102.43346	294.43532	9.13296	0.0945269	0.22456936	2.6806229	21	1 14.3	19.1
174431 2002 XA_{12}	15.3	X	158.22932	49.17113	273.46168	16.23702	0.1905132	0.22367795	2.6877401	21	—	—
174432 2002 XG_{13}	15.5	X	322.29762	293.40778	59.37917	5.90942	0.1041731	0.19722293	2.9230154	21	8 9.7	19.1
174433 2002 XN_{16}	15.1	X	51.86823	12.59365	346.05516	9.61056	0.2131255	0.21347554	2.7727070	21	—	—
174434 2002 XK_{22}	15.6	X	306.34440	146.72451	30.02375	6.90045	0.0815948	0.21820009	2.7325373	21	—	—
174435 2002 XU_{27}	15.9	X	133.68002	310.78491	67.47220	3.86250	0.1035871	0.22544650	2.6736654	21	1 28.8	19.5
174436 2002 XJ_{30}	15.2	X	183.95444	320.14176	18.73105	12.68226	0.1781817	0.22895583	2.6462746	21	2 11.5	19.7
174437 2002 XK_{30}	15.3	X	61.90500	64.27664	338.98995	8.68731	0.2031030	0.21877325	2.7277626	21	—	—
174438 2002 XW_{30}	14.9	X	94.47357	142.73986	261.44821	12.48378	0.1111544	0.17076355	3.2176535	21	1 20.3	19.4
174439 2002 XF_{39}	15.8	X	306.20568	27.21107	260.45955	3.58866	0.1350355	0.23858207	2.5746064	21	4 5.4	19.3
174440 2002 XQ_{39}	14.5	X	305.60797	18.89350	284.66936	21.07531	0.0431260	0.18190513	3.0848882	21	5 13.6	19.1
174441 2002 XV_{40}	14.9	X	69.25447	330.34421	52.83995	36.36516	0.1995476	0.22035198	2.7147181	21	—	—
174442 2002 XE_{43}	15.5	X	242.66564	135.58394	67.07306	8.80021	0.1524746	0.21138856	2.7909265	21	—	—
174443 2002 XP_{43}	16.3	X	144.08729	55.55386	88.54254	6.68701	0.1112162	0.24302240	2.5431492	21	7 21.6	20.1
174444 2002 XH_{59}	15.2	X	137.66801	63.64141	68.69881	18.14584	0.1183713	0.23728833	2.5839561	21	6 27.7	19.2
174445 2002 XA_{60}	17.0	X	67.70167	94.00585	256.12872	17.00749	0.0921670	0.37058556	1.9195984	21	—	—
174446 2002 XS_{64}	15.9	X	356.55929	157.61344	327.17600	4.37954	0.1252762	0.21561671	2.7543203	21	—	—
174447 2002 XO_{67}	15.6	X	291.93355	260.48407	157.53202	8.65474	0.1663963	0.20113069	2.8850311	21	9 8.9	19.1
174448 2002 XN_{68}	15.3	X	6.42452	339.75012	166.14228	13.57969	0.2157241	0.22253268	2.6969539	21	—	—
174449 2002 XC_{75}	15.4	X	175.10003	278.49739	67.46510	11.57392	0.1718337	0.22667954	2.6639608	21	2 10.8	19.8
174450 2002 XO_{75}	15.7	X	61.09833	135.60881	295.76059	8.22216	0.1254570	0.21968218	2.7202334	21	—	—
174451 2002 XH_{77}	15.3	X	303.77884	98.20628	60.47960	8.97200	0.1339921	0.21355691	2.7720026	21	—	—
174452 2002 XJ_{77}	15.2	X	197.61959	181.03268	279.65759	11.11517	0.0368033	0.19101653	2.9859928	21	7 21.8	19.6
174453 2002 XQ_{79}	15.0	X	208.67700	14.17292	86.06345	16.48398	0.2091890	0.18967334	3.0000733	21	7 26.8	20.2
174454 2002 XJ_{82}	15.1	X	97.05182	202.96150	325.24817	9.37233	0.1066184	0.18139055	3.0907196	21	6 28.5	19.6
174455 2002 XC_{84}	15.8	X	260.11066	307.72694	186.25685	11.70813	0.3305780	0.19956642	2.9000873	21	10 10.3	20.1
174456 2002 XT_{87}	15.4	X	307.13532	65.40285	326.82802	11.45595	0.1950661	0.20082182	2.8879885	21	8 24.1	18.5
174457 2002 XG_{108}	15.9	X	33.19289	149.39203	329.90168	4.37121	0.1137566	0.22348524	2.6892849	21	1 13.2	18.9
174458 2002 XU_{109}	15.7	X	79.18858	331.76380	17.88227	5.26791	0.1687996	0.21490900	2.7603638	21	—	—
174459 2002 YL_{4}	15.4	X	341.26971	145.19487	332.29243	10.82283	0.1726178	0.21169224	2.7882568	21	—	—
174460 2002 YQ_{9}	15.6	X	237.60530	290.79093	142.71459	2.92153	0.1540243	0.19138103	2.9822001	21	7 23.3	20.2
174461 2002 YO_{11}	16.5	X	191.77683	247.93745	265.53027	18.02517	0.0792870	0.35566920	1.9729006	21	9 24.7	19.4
174462 2002 YB_{16}	15.7	X	309.55325	230.00971	265.38968	8.25731	0.1023997	0.21279032	2.7786561	21	—	—
174463 2002 YV_{18}	15.4	X	61.48960	206.61440	164.35313	2.12235	0.2339822	0.21416146	2.7667834	21	—	—
174464 2002 YM_{22}	15.2	X	120.81788	48.31047	271.11927	11.16092	0.0821130	0.21128834	2.7918089	21	—	—
174465 2002 YK_{32}	14.8	X	87.31255	41.29051	294.99834	15.62809	0.2639796	0.22029068	2.7152217	21	—	—
174466 Zucker	15.5	X	129.04125	142.15563	33.90361	15.39426	0.2444774	0.18271194	3.0758000	21	8 29.9	20.9
174467 2002 YP_{36}	15.0	X	23.78934	314.41974	0.84901	9.79944	0.0136853	0.19097523	2.9864232	21	9 17.9	19.0
174468 2003 AP_{1}	14.7	X	101.54062	31.47463	128.19562	17.09680	0.0717286	0.18124080	3.0924219	21	6 19.1	19.3
174469 2003 AP_{6}	15.2	X	124.86100	85.93665	112.87258	3.33211	0.1951893	0.18628778	3.0363125	21	9 13.4	20.1
174470 2003 AY_{7}	16.4	X	170.28885	39.85232	304.73509	20.45798	0.0593770	0.37737145	1.8965168	21	—	—
174471 2003 AM_{12}	15.7	X	54.54227	272.41481	143.99962	9.95630	0.1730483	0.21631985	2.7483485	21	—	—
174472 2003 AX_{12}	14.2	X	73.37141	30.17184	119.15115	28.45866	0.1288846	0.17587394	3.1550171	21	5 18.7	19.0
174473 2003 AX_{16}	15.9	X	171.73518	152.66862	270.39842	4.02513	0.1450915	0.18084414	3.0969422	21	5 8.9	20.9
174474 2003 AR_{17}	15.0	X	312.70386	229.06799	343.33034	15.13601	0.1707491	0.21662287	2.7457849	21	1 10.9	19.1
174475 2003 AY_{19}	15.4	X	135.99328	279.70366	87.32875	13.67328	0.1724553	0.22243259	2.6977628	21	1 27.6	19.4
174476 2003 AJ_{21}	15.7	X	28.42131	307.66852	91.53158	8.15502	0.1313802	0.20925623	2.8098542	21	—	—
174477 2003 AP_{24}	16.1	X	9.39664	190.28028	249.21428	2.09907	0.2441576	0.21366422	2.7710743	21	—	—
174478 2003 AN_{27}	16.3	X	163.16685	38.69764	89.52253	3.53912	0.1841714	0.18507014	3.0496160	21	7 21.7	21.4
174479 2003 AZ_{34}	14.8	X	276.29119	304.12673	104.22610	13.07747	0.0456049	0.19418588	2.9534137	21	8 25.7	19.0
174480 2003 AH_{40}	15.2	X	93.97152	333.27034	159.83308	8.23593	0.0833031	0.17509427	3.1643760	21	5 9.4	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
174481 2003 AO_{56}	15.1	X	184.26207	69.19328	317.05439	14.10072	0.0739489	0.17535312	3.1612612	21	3 30.0	20.1
174482 2003 AJ_{59}	15.0	X	88.17416	43.35975	111.33232	9.40179	0.2233362	0.17470726	3.1690475	21	6 16.6	19.6
174483 2003 AP_{59}	14.4	X	21.01278	250.08506	334.63477	15.33898	0.1718378	0.17231849	3.1982675	21	5 21.5	18.4
174484 2003 AG_{68}	15.5	X	302.40290	325.31236	68.22760	13.78619	0.1163234	0.19405206	2.9547714	21	9 6.2	19.5
174485 2003 AU_{68}	15.5	X	45.43808	286.06904	99.55455	13.73870	0.1348210	0.20932010	2.8092826	21	—	—
174486 2003 AU_{78}	15.3	X	127.99323	57.28892	75.48522	11.29529	0.1322511	0.17993538	3.1073607	21	6 20.5	20.1
174487 2003 AH_{94}	15.3	X	229.17877	24.11811	73.82695	11.27425	0.0667305	0.18808108	3.0169815	21	8 28.6	19.9
174488 2003 BX_{1}	15.6	X	210.56110	91.33000	302.59817	14.74372	0.2482675	0.18274630	3.0754144	21	5 1.8	21.3
174489 2003 BV_{10}	14.9	X	188.86326	76.57977	125.22702	17.76218	0.1078156	0.19677023	2.9274970	21	11 18.5	19.7
174490 2003 BV_{11}	14.3	X	63.01440	297.81463	317.19822	20.96188	0.1372141	0.18502498	3.0501121	21	9 1.6	18.7
174491 2003 BB_{12}	14.9	X	180.10038	161.05461	320.69029	10.76437	0.0806196	0.18432284	3.0578531	21	7 29.9	19.5
174492 2003 BF_{13}	15.2	X	139.13565	228.92296	260.96952	9.11015	0.0686697	0.18175397	3.0865983	21	6 23.3	19.8
174493 2003 BT_{15}	15.0	X	132.25774	83.40187	116.79415	12.75029	0.1256713	0.18660646	3.0328547	21	9 21.1	19.9
174494 2003 BY_{16}	14.9	X	209.82482	119.11089	346.48417	13.98556	0.0368400	0.18547480	3.0451786	21	8 16.5	19.3
174495 2003 BZ_{16}	15.1	X	96.20127	115.82088	355.56248	12.27494	0.1273514	0.17083871	3.2167096	21	4 15.2	19.8
174496 2003 BW_{19}	14.8	X	124.33840	327.08316	122.42591	19.54299	0.0910374	0.17244669	3.1966823	21	4 28.7	19.9
174497 2003 BG_{22}	15.4	X	125.21500	286.45038	119.52522	15.01385	0.2543457	0.23037995	2.6353578	21	3 17.1	19.7
174498 2003 BK_{38}	15.8	X	221.04737	125.07069	316.13493	10.07434	0.2113430	0.18820989	3.0156048	21	7 13.8	20.9
174499 2003 BY_{38}	14.8	X	230.93533	61.60050	298.32779	12.35839	0.1904074	0.17891254	3.1191927	21	4 9.6	20.2
174500 2003 BN_{42}	15.1	X	96.21973	187.92834	294.28810	9.10507	0.1579068	0.17279426	3.1923941	21	5 3.8	19.8
174501 2003 BZ_{43}	15.2	X	203.59220	318.43277	108.17257	10.90765	0.1037059	0.18137858	3.0908556	21	6 14.7	20.1
174502 2003 BQ_{51}	15.0	X	132.91803	100.77035	137.09007	5.26648	0.2100735	0.19239005	2.9717640	21	11 6.4	20.1
174503 2003 BH_{53}	15.5	X	194.07363	269.89252	134.03842	14.92900	0.2958168	0.18096729	3.0955370	21	5 11.4	21.3
174504 2003 BD_{55}	15.5	X	240.96041	333.70024	101.39092	6.42173	0.0217611	0.18800944	3.0177478	21	8 15.8	19.7
174505 2003 BU_{55}	14.2	X	339.25833	314.20811	319.44285	14.80250	0.2517186	0.17327618	3.1864722	21	4 24.2	18.1
174506 2003 BK_{58}	15.5	X	175.97841	215.71541	311.60504	9.19415	0.0227008	0.19087997	2.9874168	21	9 16.7	19.9
174507 2003 BN_{63}	16.0	X	181.71339	12.44972	166.17013	1.40090	0.1951805	0.19212295	2.9745177	21	10 5.7	20.9
174508 2003 BS_{63}	16.0	X	229.63614	57.11787	5.95937	9.26467	0.2776219	0.18772441	3.0208017	21	6 23.5	21.4
174509 2003 BU_{64}	15.6	X	187.81564	337.89766	94.57423	2.88993	0.1664371	0.18208677	3.0828362	21	6 5.1	20.5
174510 2003 BR_{68}	16.1	X	83.14859	93.75746	137.95441	2.15354	0.0684933	0.18517021	3.0485171	21	8 25.7	20.2
174511 2003 BH_{77}	15.4	X	182.42642	290.16659	117.77040	17.14170	0.2403384	0.17939010	3.1136544	21	5 9.3	21.1
174512 2003 BC_{78}	15.0	X	203.92772	67.58766	353.30535	10.50002	0.0849055	0.18028345	3.1033599	21	6 6.3	19.9
174513 2003 BO_{81}	15.2	X	166.69358	178.40954	312.94320	10.13233	0.1120334	0.18324626	3.0698181	21	7 27.6	19.9
174514 2003 BZ_{91}	15.1	X	33.56469	155.77666	78.32230	11.84126	0.1430689	0.17562297	3.1580222	21	6 28.4	18.9
174515 Pamelaivezic	15.7	X	201.93822	100.76776	6.22531	6.73901	0.1465622	0.18492992	3.0511572	21	8 1.6	20.7
174516 2003 CV_{7}	15.4	X	162.36608	134.96077	353.27557	8.55961	0.1243526	0.18142805	3.0902938	21	7 21.3	20.4
174517 2003 CK_{8}	15.6	X	167.98550	106.09689	37.60541	5.41889	0.1500486	0.18365948	3.0652118	21	8 15.1	20.6
174518 2003 CB_{18}	15.7	X	240.47719	118.27111	318.51594	8.14589	0.1191017	0.18855650	3.0119081	21	8 4.1	20.0
174519 2003 CV_{25}	15.6	X	275.15289	70.60845	326.65434	10.18634	0.0550761	0.18669378	3.0319089	21	8 5.5	19.7
174520 2003 DY_{3}	15.2	X	201.09658	67.28799	342.61125	16.63347	0.1455839	0.17739343	3.1369748	21	5 15.1	20.6
174521 2003 DQ_{14}	15.1	X	148.79323	28.16695	117.77693	11.80542	0.2388036	0.18027794	3.1034231	21	8 2.0	20.5
174522 2003 DD_{17}	15.8	X	226.03910	140.61806	342.78572	2.83191	0.1370329	0.19156066	2.9803356	21	9 13.2	20.1
174523 2003 DE_{17}	15.2	X	35.53059	262.41961	335.42423	7.51021	0.0568644	0.17797767	3.1301059	21	6 28.4	19.4
174524 2003 DO_{19}	15.1	X	221.75779	119.36857	328.14222	9.17962	0.0561464	0.18453380	3.0555221	21	8 3.7	19.6
174525 2003 DZ_{19}	15.2	X	94.61627	23.08956	170.28169	5.28161	0.0449948	0.18008412	3.1056494	21	7 17.3	19.6
174526 2003 DK_{20}	15.4	X	89.72224	74.93972	166.87545	2.04024	0.1833228	0.18499496	3.0504421	21	9 29.8	20.0
174527 2003 EZ_{6}	15.2	X	21.00656	272.13336	326.50022	12.66095	0.1099637	0.17412614	3.1760944	21	6 9.9	19.3
174528 2003 EL_{15}	15.1	X	81.60752	294.98984	315.13470	10.08754	0.0152608	0.18571096	3.0425965	21	9 5.2	19.4
174529 2003 EF_{21}	15.1	X	86.53049	65.62079	171.51717	9.16358	0.1708064	0.18205991	3.0831394	21	9 18.9	19.7
174530 2003 EA_{25}	15.6	X	88.30609	106.15054	90.86918	4.98892	0.2086433	0.17649445	3.1476180	21	8 7.6	20.2
174531 2003 EW_{27}	14.6	X	59.30552	61.78459	166.11015	13.62126	0.1685177	0.17556468	3.1587212	21	8 1.8	19.0
174532 2003 EA_{29}	14.9	X	123.62343	16.49515	152.29113	5.52730	0.0708473	0.17851738	3.1237939	21	7 24.5	19.6
174533 2003 EU_{29}	14.9	X	104.76630	51.84606	177.17719	11.01929	0.1490717	0.18202321	3.0835538	21	9 25.8	19.5
174534 2003 EY_{32}	15.0	X	31.92418	62.42841	164.60021	9.84003	0.0307141	0.17399520	3.1776877	21	6 7.7	19.5
174535 2003 EF_{37}	14.9	X	117.05341	69.54213	116.82974	20.85248	0.1598897	0.17986668	3.1081519	21	8 20.0	19.9
174536 2003 EB_{41}	14.7	X	322.01046	179.88422	136.54592	22.60473	0.0647539	0.17691612	3.1426145	21	6 25.1	19.2
174537 2003 EW_{43}	15.3	X	196.43404	15.40367	153.64637	6.24883	0.1585321	0.19019309	2.9946051	21	10 9.9	20.1
174538 2003 ED_{47}	14.9	X	196.38108	357.02351	132.17090	19.75024	0.2257615	0.18406060	3.0607568	21	8 19.2	20.1
174539 2003 EH_{57}	15.4	X	110.06199	99.19029	93.90561	12.74016	0.2127123	0.17793496	3.1306068	21	8 28.2	20.6
174540 2003 EM_{60}	15.4	X	140.34135	61.55553	122.52635	12.22211	0.2254076	0.18257472	3.0773410	21	9 12.2	20.8
174541 2003 EZ_{61}	15.3	X	166.72988	286.92911	195.54385	9.42322	0.0625745	0.18050639	3.1008041	21	7 13.1	20.1
174542 2003 FE	13.9	X	41.90153	99.64982	132.46932	26.62504	0.1448256	0.17391885	3.1786176	21	7 11.2	18.1
174543 2003 FF_{10}	16.0	X	82.33919	48.76272	153.78799	2.67493	0.0304483	0.17771672	3.1331693	21	7 11.7	20.4
174544 2003 FL_{26}	15.6	X	131.45685	354.33273	151.99469	3.78775	0.1727678	0.17704096	3.1411370	21	7 14.1	20.7
174545 2003 FD_{51}	15.6	X	135.75367	81.49495	89.97645	2.52509	0.0758319	0.18195589	3.0843144	21	8 12.5	20.3
174546 2003 FL_{55}	15.3	X	71.09187	251.79235	338.53356	10.16981	0.0850341	0.18008494	3.1056400	21	8 12.3	19.6
174547 2003 FF_{62}	15.4	X	129.54798	68.76642	59.10597	6.45715	0.1236734	0.17433341	3.1735765	21	6 15.3	20.2
174548 2003 FT_{66}	15.2	X	342.46965	233.16794	69.71399	8.18429	0.0239437	0.17608103	3.1525428	21	7 7.4	19.5
174549 2003 FN_{67}	15.3	X	274.24352	281.05944	153.49685	9.89949	0.0564651	0.18623727	3.0368615	21	9 21.7	19.5
174550 2003 FT_{71}	15.6	X	43.94073	130.85698	98.65643	3.40403	0.1555671	0.17317583	3.1877030	21	7 11.5	19.5
174551 2003 FH_{75}	15.0	X	141.77091	113.27844	7.96543	19.33622	0.1879311	0.17463463	3.1699260	21	6 24.6	20.5
174552 2003 FP_{83}	14.3	X	139.82365	91.33504	55.79910	25.58595	0.2126845	0.17465473	3.1696829	21	7 30.7	20.0
174553 2003 FR_{85}	14.9	X	74.34107	199.24872	2.87377	8.92551	0.2129379	0.17233173	3.1981038	21	7 31.0	19.5
174554 2003 FB_{86}	15.3	X	126.97761	339.70821	215.29802	8.98224	0.2087611	0.18163846	3.0879067	21	9 6.9	20.5
174555 2003 FO_{89}	15.5	X	211.46423	132.63377	345.22835	10.20833	0.1115425	0.18356274	3.0662886	21	8 25.7	20.1
174556 2003 FT_{95}	15.2	X	219.84719	138.98623	339.18653	11.79170	0.1004939	0.18572773	3.0424134	21	9 3.4	19.6
174557 2003 FR_{98}	15.4	X	97.52703	150.78524	51.66726	5.18245	0.1643409	0.17779292	3.1322740	21	8 20.1	20.1
174558 2003 FB_{99}	14.7	X	51.86491	133.52037	54.09631	5.94184	0.0821966	0.17018021	3.2250022	21	5 19.5	18.9
174559 2003 FZ_{100}	15.3	X	154.32913	111.95112	3.27367	6.99456	0.1199562	0.17627836	3.1501898	21	6 25.2	20.3
174560 2003 FM_{101}	15.0	X	127.50187	252.66547	322.52535	10.54688	0.0613729	0.18658031	3.0331380	21	9 21.0	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
174561 2003 FG_{130}	14.8	X	106.95340	317.44956	193.17394	11.10552	0.0715142	0.17220536	3.1996681	21	6 12.9	19.6
174562 2003 GQ_{5}	15.4	X	164.19198	286.01600	209.68491	6.63595	0.1027303	0.17851305	3.1238444	21	7 27.6	20.3
174563 2003 GL_{12}	14.6	X	214.89619	62.14897	4.97015	17.30499	0.1857188	0.17994911	3.1072027	21	6 21.2	20.0
174564 2003 GE_{16}	15.0	X	107.46479	152.37223	42.81698	11.73207	0.0552988	0.17947216	3.1127052	21	8 11.7	19.7
174565 2003 HC	15.1	X	73.34169	30.71609	188.57681	10.51925	0.1504022	0.17568086	3.1573284	21	8 6.0	19.6
174566 2003 KT_{16}	16.4	X	93.30802	228.70834	68.72856	7.70665	0.1220345	0.29352964	2.2423397	21	12 19.2	19.6
174567 Varda	3.4	X	275.76225	180.84937	184.24211	21.51764	0.1446801	0.00315745	46.0162888	21	6 15.6	20.1
174568 2003 NO_{12}	17.1	X	297.57220	74.57346	260.23414	1.57442	0.1834571	0.26768554	2.3844384	21	5 19.9	19.9
174569 2003 NQ_{12}	17.4	X	134.01330	354.50844	309.34774	2.19179	0.2020053	0.29460340	2.2368878	21	—	—
174570 2003 OH_{1}	16.2	X	52.39924	19.05321	294.08732	12.66020	0.1985023	0.28394181	2.2925377	21	12 1.2	19.5
174571 2003 OV_{12}	16.2	X	38.80900	23.62337	287.90708	7.00641	0.2614741	0.27831530	2.3233323	21	11 20.3	19.2
174572 2003 OH_{22}	16.3	X	337.52575	22.54898	353.71682	5.55094	0.2685176	0.27311593	2.3527261	21	10 20.9	17.4
174573 2003 OM_{22}	16.2	X	358.26803	201.17614	171.15302	4.38050	0.2779468	0.27733451	2.3288067	21	12 16.6	18.1
174574 2003 OW_{22}	15.8	X	341.11829	340.19113	357.93943	8.28351	0.1492204	0.27009156	2.3702566	21	8 26.8	17.7
174575 2003 OA_{27}	16.6	X	359.24592	175.29599	186.25081	4.95249	0.2051746	0.27970483	2.3156313	21	11 20.5	18.5
174576 2003 OA_{29}	16.7	X	41.05889	91.07890	337.36774	6.05365	0.1543459	0.29439511	2.2379428	21	—	—
174577 2003 OH_{31}	16.2	X	73.20819	156.90151	203.03706	4.97036	0.2540560	0.28820237	2.2698876	21	—	—
174578 2003 PQ_{5}	16.4	X	62.31472	141.21000	203.78793	3.93803	0.2102139	0.28702770	2.2760765	21	—	—
174579 2003 QM_{17}	17.0	X	43.12922	195.03413	135.37426	5.83402	0.1923090	0.28250741	2.3002912	21	12 13.3	19.9
174580 2003 QR_{18}	16.5	X	16.31387	301.47796	353.54898	7.27298	0.2132456	0.27400082	2.3476579	21	9 10.5	18.3
174581 2003 QX_{22}	16.6	X	314.29499	172.76375	213.07739	4.29315	0.2343131	0.27321777	2.3521414	21	8 29.6	18.4
174582 2003 QC_{25}	16.7	X	309.06438	207.60259	192.21695	5.62418	0.2402192	0.27450918	2.3447586	21	9 9.7	18.5
174583 2003 QO_{30}	17.1	X	114.93297	47.91643	345.97511	7.21137	0.0922992	0.30138920	2.2031848	21	1 5.4	19.6
174584 2003 QH_{34}	16.5	X	353.46400	76.45537	326.29709	7.12878	0.1860938	0.28338861	2.2955202	21	—	—
174585 2003 QN_{37}	16.8	X	9.87498	51.47299	297.62601	1.44315	0.2342375	0.27868928	2.3212533	21	11 25.6	18.8
174586 2003 QQ_{39}	17.3	X	327.85088	65.96900	284.26845	0.09779	0.2782011	0.27205916	2.3588146	21	7 27.6	18.4
174587 2003 QF_{42}	16.6	X	5.66962	153.47616	213.43507	1.70000	0.2336037	0.27754002	2.3276569	21	12 14.4	18.6
174588 2003 QM_{42}	16.5	X	341.79328	2.39043	4.95105	6.42326	0.2607888	0.27442474	2.3452395	21	10 18.7	17.6
174589 2003 QY_{45}	16.7	X	29.25225	358.69033	7.55384	2.60988	0.1831341	0.28312806	2.2969283	21	—	—
174590 2003 QD_{46}	16.9	X	332.61396	357.99588	344.51896	3.43796	0.1380161	0.27227010	2.3575961	21	8 14.0	18.7
174591 2003 QL_{46}	16.8	X	317.00450	207.00023	147.39517	7.33236	0.1836012	0.27103987	2.3647247	21	7 23.1	19.0
174592 2003 QR_{53}	17.0	X	60.83314	285.28157	9.72757	3.08181	0.2398784	0.28137141	2.3064785	21	11 21.9	20.4
174593 2003 QB_{56}	16.8	X	118.89627	210.93359	137.38551	5.09721	0.1954481	0.29491016	2.2353364	21	—	—
174594 2003 QH_{56}	16.4	X	322.43238	356.87640	14.69175	5.95279	0.2521406	0.27300669	2.3533536	21	8 28.6	17.8
174595 2003 QK_{59}	16.6	X	163.89575	307.01355	9.50565	6.83488	0.2102555	0.29824993	2.2186177	21	—	—
174596 2003 QC_{65}	16.8	X	37.28527	317.56016	73.28615	8.74677	0.1441306	0.28730451	2.2746142	21	—	—
174597 2003 QD_{67}	17.1	X	114.80952	175.30162	108.80433	5.48007	0.1435521	0.28636031	2.2796115	21	12 23.9	20.4
174598 2003 QR_{67}	16.6	X	86.98605	5.36783	309.22531	6.79690	0.1307709	0.28749432	2.2736130	21	—	—
174599 2003 QM_{70}	15.4	X	334.37670	63.53377	9.78818	22.67435	0.3234219	0.27512051	2.3412839	21	—	—
174600 2003 QH_{76}	17.0	X	51.54387	32.05631	293.13705	3.71651	0.1675718	0.28270894	2.2991979	21	12 12.4	19.9
174601 2003 QA_{78}	16.1	X	55.24054	129.90179	229.21444	4.20652	0.1844490	0.28402156	2.2921085	21	—	—
174602 2003 QM_{107}	16.4	X	146.17251	316.32138	34.43799	9.52713	0.2338315	0.24401810	2.5362264	21	1 22.4	20.4
174603 2003 QN_{111}	15.8	X	0.45924	286.48011	150.52344	22.75168	0.2153855	0.28594971	2.2817932	21	—	—
174604 2003 QO_{111}	16.8	X	170.85138	214.95779	68.83670	6.73541	0.2136406	0.29577135	2.2309952	21	—	—
174605 2003 RT_{5}	16.0	X	299.78219	327.28929	68.94595	6.14703	0.2626296	0.26774444	2.3840887	21	8 13.3	18.4
174606 2003 RP_{21}	16.3	X	96.86432	107.52914	208.92988	6.40459	0.1494762	0.28824912	2.2696421	21	—	—
174607 2003 RE_{27}	16.4	X	41.19763	290.11292	69.02700	6.19366	0.2102951	0.28304700	2.2973668	21	—	—
174608 2003 SY_{5}	16.5	X	334.91356	36.32680	337.45822	2.61938	0.1785550	0.27416152	2.3467404	21	10 7.7	18.1
174609 2003 SZ_{25}	16.9	X	35.75462	285.38306	111.45737	1.18927	0.0659573	0.28773473	2.2723464	21	—	—
174610 2003 SB_{36}	16.6	X	48.81000	349.38587	45.57361	7.47212	0.1231328	0.28817473	2.2700327	21	—	—
174611 2003 SV_{36}	16.7	X	60.44031	192.59704	157.81866	1.65006	0.2243115	0.28527107	2.2854106	21	—	—
174612 2003 SM_{39}	16.9	X	264.00700	8.74176	4.12811	7.19007	0.2119615	0.26328974	2.4109049	21	5 24.8	20.6
174613 2003 SH_{41}	16.4	X	314.07359	29.69680	12.64766	10.08833	0.2099941	0.27311854	2.3527111	21	10 3.2	17.7
174614 2003 SQ_{43}	17.5	X	183.73249	54.64574	327.89487	4.83557	0.1010118	0.30959250	2.1640922	21	3 17.0	20.3
174615 2003 SO_{44}	16.3	X	326.29439	62.18194	321.41076	5.74231	0.1200643	0.27437798	2.3455060	21	10 3.5	18.4
174616 2003 SQ_{51}	16.8	X	13.01617	313.20170	138.12069	6.00073	0.0768859	0.29088894	2.2558899	21	—	—
174617 2003 SX_{51}	16.6	X	301.04962	296.60401	80.41828	2.50055	0.1987585	0.26917130	2.3756559	21	7 26.3	18.8
174618 2003 SC_{52}	16.8	X	46.95418	220.91460	163.63682	4.83102	0.1262385	0.28653302	2.2786954	21	—	—
174619 2003 SH_{64}	16.7	X	355.78608	259.82268	160.20973	5.57080	0.1443290	0.28293898	2.2979515	21	—	—
174620 2003 SB_{66}	16.3	X	343.68063	267.74680	51.62728	8.13080	0.1926576	0.26987136	2.3715458	21	7 30.2	18.2
174621 2003 SX_{66}	16.2	X	65.54280	308.67629	35.55401	8.80173	0.1518659	0.28344061	2.2952394	21	—	—
174622 2003 SN_{67}	16.5	X	38.71335	322.20848	56.06973	5.31108	0.1820192	0.28356412	2.2945729	21	—	—
174623 2003 SC_{74}	17.1	X	346.41159	158.81145	334.69973	6.45055	0.0766248	0.29404188	2.2397348	21	—	—
174624 2003 SY_{74}	17.0	X	74.62749	59.63363	337.17275	3.88591	0.1002869	0.29272877	2.2464277	21	—	—
174625 2003 ST_{76}	16.7	X	66.13783	19.48241	323.13221	2.62998	0.1775389	0.28470817	2.2884219	21	—	—
174626 2003 SN_{77}	16.3	X	322.36403	92.19423	309.35167	6.79598	0.0981223	0.27643396	2.3338617	21	10 23.9	18.7
174627 2003 SQ_{79}	17.2	X	217.93714	12.74214	332.84756	7.65351	0.1294401	0.30855284	2.1689507	21	3 5.8	20.4
174628 2003 ST_{91}	16.6	X	155.59036	87.16532	322.93002	5.86656	0.1272704	0.25329948	2.4738870	21	3 29.7	20.3
174629 2003 SD_{92}	16.9	X	26.16041	301.42929	173.30776	3.57645	0.0949469	0.29735973	2.2230434	21	—	—
174630 2003 SJ_{93}	16.4	X	39.42956	52.83848	354.40727	5.01076	0.1372806	0.28673032	2.2776499	21	—	—
174631 2003 SD_{108}	16.9	X	121.90312	349.76187	326.07124	5.62497	0.0859589	0.28813655	2.2702333	21	—	—
174632 2003 SK_{110}	16.8	X	346.54816	186.01686	201.57203	5.92087	0.2437899	0.27622305	2.3350496	21	12 8.2	18.4
174633 2003 SM_{110}	16.7	X	23.72200	99.15552	228.10856	4.04124	0.2534281	0.27607833	2.3358655	21	11 20.6	19.2
174634 2003 SC_{111}	16.4	X	41.68853	236.47820	150.05999	4.80085	0.1964226	0.28337348	2.2956019	21	—	—
174635 2003 SZ_{124}	16.7	X	11.92237	345.72767	48.99940	8.05728	0.1200495	0.28113939	2.3077473	21	—	—
174636 2003 SU_{125}	17.0	X	303.73157	217.67719	138.45577	1.78207	0.2055734	0.26745072	2.3858339	21	6 26.8	19.3
174637 2003 SK_{137}	16.8	X	39.91087	138.40648	239.54831	0.98617	0.1807815	0.28345768	2.2951473	21	—	—
174638 2003 SG_{138}	16.1	X	296.23245	353.27170	35.63712	10.79257	0.2109767	0.26915213	2.3757688	21	8 7.6	18.8
174639 2003 SA_{139}	17.0	X	136.68768	44.10448	320.14642	3.60883	0.1524969	0.29707416	2.2244678	21	1 5.5	19.7
174640 2003 SN_{141}	17.5	X	311.78351	271.38676	146.77587	2.34774	0.1915355	0.27410734	2.3470496	21	10 27.4	19.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
174641 2003 SU_{141}	15.5	X	257.98894	99.75734	13.61365	9.26659	0.0742727	0.21835152	2.7312738	21	10 18.4	19.2
174642 2003 SL_{142}	16.3	X	289.73766	281.59403	92.86691	3.08092	0.1955656	0.26632587	2.3925470	21	7 3.4	19.2
174643 2003 SF_{145}	16.1	X	99.32521	28.02642	329.31796	7.90485	0.2093693	0.29080887	2.2563040	21	—	—
174644 2003 SD_{155}	16.6	X	324.06210	150.60056	243.29621	1.66669	0.2012971	0.27411603	2.3470000	21	10 14.4	17.9
174645 2003 SH_{161}	16.5	X	286.50614	313.08313	85.49539	3.21197	0.2080582	0.26959912	2.3731420	21	8 1.9	19.2
174646 2003 SO_{164}	17.2	X	315.26940	66.76880	324.55772	0.83321	0.1920988	0.27193404	2.3595381	21	9 18.5	19.0
174647 2003 SX_{167}	15.9	X	86.84693	65.50653	9.02528	7.47135	0.0829754	0.24714751	2.5147717	21	2 2.4	19.0
174648 2003 SO_{169}	15.5	X	76.52881	8.29953	11.39109	22.82225	0.0231446	0.23579295	2.5948694	21	—	—
174649 2003 SA_{173}	17.2	X	355.87174	198.73573	139.13710	2.95999	0.2220073	0.27432288	2.3458200	21	10 5.8	18.6
174650 2003 SK_{181}	17.0	X	323.84367	82.65955	224.00967	4.04995	0.2085300	0.26544806	2.3978187	21	5 17.6	19.1
174651 2003 SJ_{189}	16.6	X	342.67245	12.69960	348.67994	2.08700	0.2239591	0.27290749	2.3539239	21	10 8.4	17.9
174652 2003 SJ_{190}	16.1	X	333.45684	300.33008	71.67224	7.91671	0.1268029	0.27271417	2.3550362	21	10 7.5	18.3
174653 2003 SC_{191}	16.5	X	39.09368	209.18344	250.90044	6.11439	0.0185887	0.29802286	2.2197446	21	—	—
174654 2003 SL_{192}	16.3	X	114.29787	323.49684	15.00820	9.68126	0.1343593	0.28964189	2.2623604	21	—	—
174655 2003 SZ_{194}	16.1	X	8.61447	40.31026	15.23217	7.08045	0.0956349	0.28181919	2.3040347	21	—	—
174656 2003 SD_{195}	16.8	X	21.65164	103.49910	268.94752	3.61325	0.1538085	0.28033504	2.3121595	21	—	—
174657 2003 ST_{199}	16.2	X	315.55314	73.68775	326.57003	4.59070	0.1971669	0.27168534	2.3609778	21	10 1.6	18.1
174658 2003 SH_{204}	16.1	X	272.55033	0.64497	34.23649	7.12525	0.2544786	0.26421706	2.4052607	21	6 30.0	19.5
174659 2003 SV_{207}	16.3	X	249.35332	302.17647	195.33712	10.87344	0.1254741	0.27591635	2.3367796	21	11 12.1	19.1
174660 2003 SW_{209}	16.6	X	276.71061	188.33381	334.56305	5.00046	0.0920902	0.28734130	2.2744201	21	—	—
174661 2003 SM_{210}	17.1	X	358.07421	30.15717	25.77528	5.33775	0.1451468	0.28250839	2.3002859	21	—	—
174662 2003 SZ_{213}	17.0	X	303.42390	270.19319	68.49958	3.23308	0.2333651	0.26384853	2.4074998	21	5 26.2	19.4
174663 2003 SY_{216}	16.8	X	262.44243	250.63949	193.16417	4.59913	0.2016190	0.26887559	2.3773975	21	8 31.0	19.9
174664 2003 SR_{220}	16.8	X	287.45691	355.89106	67.44385	2.44592	0.1699326	0.26889142	2.3773042	21	9 17.3	19.1
174665 2003 SC_{225}	16.6	X	335.33824	91.04958	32.24446	7.44859	0.0195554	0.28870852	2.2672338	21	—	—
174666 2003 SR_{230}	16.8	X	340.16740	218.04793	143.68633	6.60310	0.1556028	0.27480311	2.3430863	21	10 4.0	18.7
174667 2003 SN_{232}	16.7	X	343.85070	238.83388	84.65041	2.43844	0.1981778	0.26916585	2.3756880	21	8 4.2	18.1
174668 2003 SQ_{233}	16.8	X	294.87464	221.19622	109.06551	3.69659	0.2323783	0.26362610	2.4088538	21	5 3.9	20.0
174669 2003 SY_{246}	17.2	X	268.83967	297.64332	30.76241	3.20071	0.1707896	0.31424549	2.1426769	21	4 3.3	20.1
174670 2003 SA_{249}	16.5	X	259.74247	225.85161	200.53511	7.70986	0.1002219	0.26815097	2.3816785	21	8 17.3	19.6
174671 2003 SW_{251}	16.3	X	347.35061	340.07908	56.34565	3.11440	0.2083306	0.27538977	2.3397575	21	12 17.7	18.1
174672 2003 SB_{252}	16.1	X	59.54256	146.72557	212.36266	1.61584	0.2619129	0.28292298	2.2980381	21	—	—
174673 2003 SO_{255}	17.2	X	227.49276	79.22367	323.14888	0.86847	0.1934453	0.25947303	2.4344895	21	5 30.6	21.0
174674 2003 SD_{260}	16.6	X	348.78244	305.73911	34.73708	4.67903	0.1723150	0.27071040	2.3666430	21	9 17.9	18.3
174675 2003 SB_{270}	16.3	X	27.82747	260.60074	59.62134	12.41462	0.1898881	0.27584571	2.3371786	21	11 7.8	18.8
174676 2003 SE_{284}	16.9	X	63.17536	77.42529	327.73467	6.57150	0.0568723	0.29295883	2.2452514	21	—	—
174677 2003 SA_{297}	16.2	X	148.27312	67.32861	291.06451	8.49141	0.1682098	0.24295203	2.5436403	21	1 23.5	20.0
174678 2003 SB_{303}	16.8	X	341.19664	215.79752	251.15948	4.96614	0.0437548	0.28807388	2.2705625	21	—	—
174679 2003 SD_{303}	16.5	X	4.03615	64.92457	338.35906	6.97988	0.1102688	0.28159673	2.3052480	21	—	—
174680 2003 SC_{304}	15.4	X	118.52214	324.81330	307.76061	11.20399	0.1625580	0.22639299	2.6662083	21	12 4.2	19.8
174681 2003 SO_{309}	16.7	X	307.88656	92.01800	353.06368	8.33939	0.1286998	0.27967015	2.3158227	21	12 3.3	18.9
174682 2003 SJ_{311}	17.5	X	203.51127	287.45419	46.02605	2.57194	0.1345083	0.30460840	2.1876347	21	2 6.3	20.5
174683 2003 TD_{7}	16.3	X	13.29664	281.37862	66.95532	12.22658	0.2577417	0.27778567	2.3262845	21	12 4.4	18.4
174684 2003 TL_{9}	16.6	X	151.17141	279.50967	51.45459	3.43599	0.1319171	0.29650795	2.2272988	21	—	—
174685 2003 TL_{20}	16.4	X	282.95169	193.81889	248.38040	8.87550	0.1682677	0.27342616	2.3509461	21	10 2.9	19.2
174686 2003 TM_{37}	16.6	X	263.57046	171.18810	276.88669	6.65786	0.0703638	0.27242298	2.3567140	21	9 26.9	19.6
174687 2003 UV_{9}	16.8	X	48.56523	214.56593	206.85740	1.32832	0.0649512	0.28898004	2.2658135	21	—	—
174688 2003 UR_{14}	16.6	X	29.91853	246.98811	121.54467	7.74791	0.1336561	0.27960390	2.3161885	21	—	—
174689 2003 UM_{15}	16.5	X	24.38912	115.22335	234.42036	2.84052	0.1908083	0.27698428	2.3307694	21	12 12.4	18.9
174690 2003 UG_{19}	16.5	X	243.79023	309.24863	84.42865	3.57306	0.2042869	0.25979623	2.4324700	21	6 3.4	20.3
174691 2003 US_{22}	16.9	X	125.62720	254.23876	153.03125	3.94756	0.1727303	0.29953279	2.2122785	21	2 21.2	19.5
174692 2003 UY_{25}	17.3	X	253.99029	204.91672	101.69659	3.28765	0.1752338	0.30748163	2.1739853	21	2 19.5	20.5
174693 2003 UW_{27}	16.7	X	93.75567	259.22641	109.24729	6.52114	0.1405187	0.29001515	2.2604189	21	—	—
174694 2003 UP_{40}	16.5	X	304.97822	50.09521	0.67846	1.10826	0.1789767	0.27104234	2.3647104	21	9 29.1	18.5
174695 2003 UG_{47}	16.6	X	105.35929	214.99413	139.38064	7.19128	0.1412054	0.29002930	2.2603454	21	—	—
174696 2003 UW_{53}	16.5	X	80.92329	43.68395	292.26672	5.31749	0.1374165	0.28358103	2.2944817	21	—	—
174697 2003 UC_{58}	16.8	X	10.71325	162.30286	306.97664	5.02392	0.0759444	0.29230345	2.2486063	21	—	—
174698 2003 UV_{60}	16.1	X	109.72467	166.16932	113.12403	7.31069	0.1897771	0.28306356	2.2972772	21	12 14.9	19.7
174699 2003 UY_{64}	15.4	X	32.40014	137.69003	187.68827	31.11414	0.0974420	0.21885373	2.7270938	21	10 27.8	19.1
174700 2003 UJ_{68}	16.4	X	252.00526	251.36945	217.80770	3.59847	0.1613051	0.26987220	2.3715409	21	9 28.2	19.4
174701 2003 UV_{77}	17.0	X	44.04913	17.08163	343.76450	5.79375	0.1963299	0.28213750	2.3023014	21	—	—
174702 2003 UX_{81}	16.4	X	331.22934	117.10570	35.83048	8.17769	0.0575987	0.29338683	2.2430673	21	—	—
174703 2003 UR_{91}	17.0	X	350.06442	6.92934	154.78896	3.24640	0.1365660	0.29555824	2.2320676	21	—	—
174704 2003 UW_{97}	17.0	X	285.09192	245.79227	196.60862	3.08363	0.1464316	0.27271761	2.3550164	21	10 14.9	19.1
174705 2003 UG_{100}	16.6	X	99.74699	213.23629	129.94772	5.90760	0.1520575	0.28708704	2.2757628	21	—	—
174706 2003 US_{102}	17.0	X	221.94121	249.05078	180.82921	4.92157	0.1923896	0.26151371	2.4218082	21	6 30.1	20.9
174707 2003 UP_{103}	16.7	X	279.74108	231.52631	96.44834	5.64548	0.2475051	0.25939731	2.4349632	21	4 13.2	20.4
174708 2003 UA_{104}	16.1	X	61.74501	128.08701	325.10194	11.54271	0.2267879	0.23885235	2.5726638	21	2 3.4	18.3
174709 2003 UK_{112}	16.4	X	264.72161	343.70009	94.71592	4.65932	0.1337157	0.26903667	2.3764484	21	9 10.6	19.3
174710 2003 UX_{113}	16.1	X	238.04684	272.16915	109.37420	7.99626	0.1255374	0.25795563	2.4440273	21	5 21.5	19.7
174711 2003 UK_{117}	16.8	X	49.44279	212.98581	135.19512	2.49100	0.2293359	0.28178900	2.3041992	21	—	—
174712 2003 UQ_{129}	16.7	X	216.22313	341.11229	309.85924	6.59866	0.1350159	0.29782236	2.2207407	21	—	—
174713 2003 UA_{133}	16.1	X	218.72300	174.74826	270.26486	5.07130	0.0426145	0.26159189	2.4213256	21	7 28.9	19.3
174714 2003 UU_{136}	16.6	X	285.42897	161.51377	33.49959	6.79887	0.0482216	0.29246913	2.2477570	21	—	—
174715 2003 UM_{142}	16.3	X	319.63443	81.36918	306.38176	5.17829	0.2052271	0.27100107	2.3649504	21	9 18.6	18.1
174716 2003 UV_{142}	16.5	X	358.09773	147.82909	243.56138	6.30884	0.1093642	0.27752907	2.3277182	21	12 16.8	18.8
174717 2003 UU_{144}	16.7	X	24.39163	111.91247	294.05480	5.35738	0.1120750	0.28292934	2.2980037	21	—	—
174718 2003 UD_{146}	16.5	X	4.93229	305.10965	61.96726	7.68443	0.1166677	0.27489083	2.3425878	21	11 23.7	18.7
174719 2003 UP_{149}	17.0	X	241.70371	346.80503	73.90936	4.91761	0.1773320	0.26413921	2.4057332	21	7 10.1	20.5
174720 2003 UD_{151}	17.3	X	309.38038	50.93743	24.77444	2.91447	0.1833508	0.27601473	2.3362244	21	11 18.9	19.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
174721 2003 UF_{151}	16.5	X	10.77508	219.10136	160.01842	3.25154	0.1782637	0.27808594	2.3246096	21	12 30.8	19.0
174722 2003 UB_{158}	17.1	X	236.56057	124.35915	9.43995	2.86452	0.1261362	0.27087356	2.3656926	21	10 17.8	20.1
174723 2003 UG_{159}	16.8	X	177.03503	278.56138	191.96993	2.79736	0.1527191	0.25791826	2.4442633	21	7 11.6	20.7
174724 2003 UZ_{160}	17.1	X	300.15841	91.13266	8.22377	1.72078	0.0839973	0.27803378	2.3249003	21	12 13.7	19.3
174725 2003 UL_{162}	16.6	X	343.13108	209.34403	114.16194	3.57545	0.1749781	0.26762877	2.3847756	21	8 3.0	18.5
174726 2003 UX_{162}	17.0	X	347.21931	276.12390	113.02969	2.28465	0.1377233	0.27587590	2.3370080	21	11 27.8	19.1
174727 2003 UU_{168}	16.9	X	314.28817	351.99357	30.77937	1.82557	0.1886930	0.26939602	2.3743346	21	9 3.2	18.6
174728 2003 UB_{181}	17.0	X	296.08350	331.56495	83.23287	2.23246	0.1822342	0.26999591	2.3708164	21	9 18.2	19.2
174729 2003 UB_{182}	16.7	X	338.45926	336.82613	92.31924	5.97791	0.1218068	0.27921168	2.3183571	21	—	—
174730 2003 UJ_{182}	17.5	X	260.24602	216.54715	103.22744	1.41606	0.2615692	0.25613910	2.4555689	21	3 13.1	21.6
174731 2003 UH_{183}	16.9	X	176.01950	251.06083	59.24030	3.75785	0.1906963	0.29619535	2.2288656	21	—	—
174732 2003 UN_{187}	16.2	X	79.17410	324.39487	355.53654	5.93730	0.2359000	0.28236844	2.3010459	21	—	—
174733 2003 UH_{188}	16.7	X	10.13655	4.57471	13.61327	6.59915	0.1318086	0.27724499	2.3293080	21	12 20.7	19.3
174734 2003 UO_{190}	16.1	X	101.20841	244.40546	26.45108	5.82329	0.0418025	0.27506383	2.3416055	21	11 12.9	19.0
174735 2003 UV_{195}	16.9	X	238.44647	300.52382	111.15183	2.29422	0.1876086	0.26065476	2.4271257	21	6 23.2	20.6
174736 2003 UB_{210}	16.3	X	243.10563	189.43463	30.67301	5.24438	0.0400649	0.28805753	2.2706484	21	—	—
174737 2003 UR_{213}	16.8	X	254.87360	134.98084	18.53507	4.40815	0.1465993	0.27927666	2.3179975	21	12 7.6	19.4
174738 2003 UZ_{217}	16.3	X	316.96777	233.99514	134.70357	2.94519	0.1702315	0.26902854	2.3764963	21	8 18.8	18.3
174739 2003 UX_{222}	16.7	X	333.62656	5.49959	18.80887	6.80982	0.1318973	0.27129166	2.3632613	21	10 21.2	18.8
174740 2003 UY_{228}	15.6	X	30.16418	320.32708	16.35722	5.13065	0.1682716	0.21969020	2.7201671	21	11 16.1	18.9
174741 2003 UR_{230}	17.1	X	1.76701	49.17793	353.95582	2.30239	0.1487070	0.27886502	2.3202780	21	—	—
174742 2003 UP_{231}	17.3	X	247.05608	148.81678	4.19016	2.21852	0.0570704	0.27925998	2.3180897	21	12 9.9	20.1
174743 2003 UA_{235}	16.2	X	46.22327	53.89784	59.57709	17.71207	0.1824250	0.23660882	2.5889010	21	1 31.5	19.0
174744 2003 UA_{237}	16.5	X	288.12675	104.42471	357.18761	5.83808	0.1446730	0.27499094	2.3420193	21	11 16.9	18.8
174745 2003 UH_{241}	16.6	X	106.07902	300.51691	71.32243	5.32541	0.1584445	0.29447513	2.2375374	21	—	—
174746 2003 UE_{242}	16.4	X	210.33300	165.28916	48.16641	7.61100	0.0158144	0.28241509	2.3007925	21	—	—
174747 2003 UE_{253}	16.4	X	86.61408	279.57962	62.70644	2.05283	0.2208080	0.28532170	2.2851402	21	—	—
174748 2003 UX_{264}	16.2	X	222.69979	23.65241	79.06727	9.06322	0.1598237	0.26308591	2.4121501	21	8 20.1	19.9
174749 2003 UC_{265}	16.6	X	353.28483	249.35463	151.60845	5.58068	0.0941043	0.27692217	2.3311178	21	12 20.7	19.2
174750 2003 UR_{275}	17.1	X	130.82132	319.60290	33.61555	1.92124	0.1711800	0.29325668	2.2437309	21	—	—
174751 2003 UQ_{276}	16.3	X	119.40395	65.71334	267.79067	4.86796	0.2058106	0.29019377	2.2594913	21	—	—
174752 2003 UN_{281}	16.1	X	61.30399	296.67102	125.24527	5.73953	0.2552028	0.23409371	2.6074114	21	—	—
174753 2003 UH_{282}	16.3	X	50.50147	210.53901	110.09484	6.06810	0.0825939	0.27443100	2.3452039	21	11 22.8	19.2
174754 2003 UA_{283}	16.5	X	105.89811	224.11546	108.39504	7.45706	0.2194631	0.28680142	2.2772734	21	—	—
174755 2003 UN_{297}	17.0	X	327.26270	145.33934	9.30338	6.30010	0.1260834	0.29066774	2.2570343	21	—	—
174756 2003 VN	16.3	X	109.85098	234.69467	97.91851	8.29722	0.2805947	0.28787078	2.2716303	21	—	—
174757 2003 VK_{2}	16.5	X	118.49442	59.52151	274.86067	3.92185	0.1261070	0.28849027	2.2683772	21	—	—
174758 2003 VX_{2}	17.0	X	303.28708	310.89161	148.51349	2.23277	0.0720460	0.27724305	2.3293188	21	12 19.6	19.5
174759 2003 VT_{4}	16.5	X	212.92783	203.29055	39.47244	6.98501	0.0706367	0.28631981	2.2798265	21	—	—
174760 2003 VP_{9}	16.6	X	23.01867	174.49872	206.45873	1.50333	0.2318162	0.27922544	2.3182809	21	—	—
174761 2003 VX_{11}	16.3	X	286.94496	69.37056	264.35399	14.74737	0.2559639	0.26051574	2.4279891	21	4 19.8	20.1
174762 2003 WV_{6}	16.6	X	294.29255	211.65780	285.25875	3.67695	0.0686995	0.28181857	2.3040380	21	—	—
174763 2003 WY_{9}	16.6	X	247.32506	185.69246	320.96233	6.27189	0.0504640	0.27535959	2.3399284	21	11 30.8	19.6
174764 2003 WK_{25}	16.8	X	239.32699	332.86804	272.46395	5.94884	0.0995342	0.29185090	2.2509302	21	—	—
174765 2003 WZ_{25}	15.3	X	41.04705	121.43664	301.22923	27.92318	0.2416668	0.22893366	2.6464455	21	—	—
174766 2003 WZ_{27}	16.9	X	232.48034	339.18688	318.33678	3.75857	0.1944504	0.30078006	2.2061584	21	1 19.7	20.3
174767 2003 WR_{28}	17.0	X	246.35470	233.52577	288.31267	2.14131	0.1036287	0.27712144	2.3300002	21	12 13.5	19.5
174768 2003 WK_{36}	16.9	X	203.94888	127.76699	22.00663	3.01191	0.0598916	0.26784186	2.3835106	21	10 7.7	20.0
174769 2003 WK_{43}	16.6	X	152.27381	144.70131	42.25124	4.30977	0.0645851	0.26854190	2.3793665	21	9 26.8	19.8
174770 2003 WS_{44}	16.4	X	256.49661	318.80532	128.97843	8.42717	0.2033284	0.26725074	2.3870239	21	8 31.6	19.6
174771 2003 WC_{45}	16.2	X	211.16864	179.11574	264.56229	5.71390	0.0875940	0.25928870	2.4356431	21	7 14.1	19.7
174772 2003 WP_{49}	16.8	X	99.15759	61.14555	308.00708	5.07953	0.0216928	0.28969542	2.2620818	21	—	—
174773 2003 WF_{53}	17.4	X	172.39490	96.23741	41.52294	2.02109	0.1432001	0.26153680	2.4216657	21	8 13.3	21.2
174774 2003 WN_{55}	16.8	X	165.46734	17.36016	313.12034	2.89074	0.1362674	0.29344037	2.2427944	21	—	—
174775 2003 WB_{56}	16.3	X	164.53877	104.70620	352.88748	3.48838	0.0576559	0.25405143	2.4690030	21	6 8.2	19.7
174776 2003 WS_{62}	16.3	X	248.48088	2.59753	75.65225	6.92146	0.0719307	0.26454829	2.4032526	21	8 29.3	19.4
174777 2003 WB_{64}	16.3	X	167.82579	294.13159	238.99846	10.49745	0.2057040	0.26353342	2.4094186	21	9 17.6	20.5
174778 2003 WO_{80}	16.1	X	62.39159	157.69815	265.77410	8.63947	0.0538579	0.23379045	2.6096657	21	—	—
174779 2003 WV_{82}	15.7	X	34.01552	171.17243	263.68275	11.83566	0.1304205	0.23517415	2.5994192	21	—	—
174780 2003 WC_{92}	16.3	X	48.31063	281.80659	199.63531	8.35083	0.1147189	0.23884821	2.5726936	21	2 3.7	19.3
174781 2003 WT_{92}	16.5	X	272.06132	339.48730	274.25817	5.92496	0.1355924	0.29717891	2.2239451	21	1 3.5	19.7
174782 2003 WD_{95}	17.3	X	205.05483	50.27529	54.19230	2.10039	0.1494166	0.26059809	2.4274776	21	8 1.8	21.0
174783 2003 WY_{96}	16.8	X	257.54669	288.96619	152.83411	1.72998	0.0947373	0.26698063	2.3886336	21	9 9.0	19.7
174784 2003 WN_{98}	15.7	X	220.43088	237.07550	273.78940	20.66492	0.3303908	0.26932382	2.3747590	21	9 18.9	20.3
174785 2003 WS_{106}	15.9	X	88.60102	335.04883	60.18244	14.87333	0.1270758	0.23373886	2.6100497	21	—	—
174786 2003 WB_{111}	16.3	X	131.73751	345.06342	281.69554	5.75828	0.0941738	0.27741468	2.3283580	21	12 16.7	19.6
174787 2003 WE_{120}	16.9	X	348.45244	100.20831	302.48813	4.22978	0.2112954	0.27518562	2.3409145	21	12 30.6	18.9
174788 2003 WN_{120}	16.4	X	6.57032	321.52424	40.61134	3.80498	0.2608944	0.27401327	2.3475868	21	12 12.4	18.4
174789 2003 WN_{121}	16.1	X	225.13797	127.77488	320.60373	5.53460	0.0949768	0.25985702	2.4320906	21	8 6.6	19.3
174790 2003 WZ_{123}	16.3	X	281.10152	194.84445	289.26210	5.54775	0.1148272	0.27382077	2.3486869	21	12 12.8	18.5
174791 2003 WX_{126}	16.4	X	84.61222	60.15498	304.71636	3.58542	0.2662716	0.28551469	2.2841103	21	—	—
174792 2003 WO_{133}	16.7	X	297.76293	66.59025	74.56731	7.17340	0.0440424	0.28154080	2.3055532	21	—	—
174793 2003 WU_{136}	16.1	X	12.84886	270.37096	80.39381	5.93418	0.2636319	0.27410190	2.3470807	21	12 7.8	18.3
174794 2003 WM_{139}	14.8	X	120.71992	201.79031	256.78625	7.80082	0.0862443	0.18950933	3.0018039	21	4 23.2	19.3
174795 2003 WN_{145}	16.8	X	345.64898	349.85921	80.46993	5.24839	0.1053917	0.27880553	2.3206080	21	—	—
174796 2003 WC_{146}	16.8	X	186.60362	244.59365	99.48104	3.82967	0.2254003	0.24530733	2.5273324	21	2 15.7	21.0
174797 2003 WL_{146}	16.0	X	219.83071	342.12911	107.03460	12.50566	0.1936858	0.26302352	2.4125315	21	7 24.1	19.8
174798 2003 WQ_{147}	16.7	X	234.58584	21.24939	117.11291	7.60748	0.0404265	0.27119815	2.3638046	21	11 7.2	19.7
174799 2003 WX_{156}	16.6	X	32.43515	316.53562	98.58405	5.16291	0.1187317	0.28522862	2.2856373	21	—	—
174800 2003 WV_{159}	17.4	X	197.36815	94.79391	75.87016	2.19174	0.1293166	0.26905571	2.3763363	21	10 21.8	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
174801 Etscorn	16.8	X	325.45008	167.71119	253.69294	4.19070	0.1897430	0.27366442	2.3495814	21	12 4.3	18.2
174802 2003 WV_{168}	16.3	X	28.68628	102.19502	152.54652	6.77457	0.0972885	0.26011872	2.4304591	21	7 14.2	19.0
174803 2003 WN_{171}	16.6	X	106.64408	202.83236	138.32490	6.57801	0.1642000	0.28669755	2.2778235	21	—	—
174804 2003 WJ_{192}	16.6	X	1.02434	34.62267	323.81909	5.48118	0.1258709	0.27103184	2.3647714	21	11 1.7	19.1
174805 2003 WN_{192}	16.1	X	358.98291	45.93485	339.54659	12.02735	0.1582632	0.27659151	2.3329754	21	12 16.4	18.7
174806 2003 XL	17.2	X	104.13827	207.23043	317.60101	10.96426	0.5719049	0.24604605	2.5222712	21	8 13.9	22.3
174807 2003 XR_{2}	16.8	X	14.53614	239.97863	141.57634	3.39173	0.1768867	0.27720305	2.3295429	21	—	—
174808 2003 XF_{4}	16.3	X	238.93796	335.31828	113.32837	6.01272	0.1259106	0.26336490	2.4104462	21	8 21.4	19.6
174809 2003 XN_{9}	15.5	X	140.77185	352.09362	359.78684	12.85551	0.2113644	0.23625357	2.5914955	21	1 18.2	19.5
174810 2003 XZ_{9}	15.4	X	294.39464	28.96266	8.66388	14.57363	0.2255879	0.20912022	2.8110724	21	8 12.9	19.1
174811 2003 XD_{12}	16.4	X	189.98761	343.02434	143.50051	3.93956	0.1236956	0.26010433	2.4305487	21	8 15.9	19.9
174812 2003 XR_{12}	15.6	X	229.79250	316.92805	35.40321	13.79409	0.1161865	0.24659661	2.5185156	21	4 7.2	19.4
174813 2003 XB_{19}	16.9	X	315.76086	265.50462	120.51223	2.48727	0.1174845	0.26814708	2.3817015	21	9 20.2	19.2
174814 2003 XG_{21}	16.5	X	274.93955	172.47394	333.28140	5.42818	0.1299704	0.27371905	2.3492688	21	—	—
174815 2003 YM_{3}	15.3	X	334.40787	202.60962	34.89177	15.89647	0.0586431	0.23977343	2.5660710	21	3 28.3	18.6
174816 2003 YX_{12}	16.2	X	262.89738	152.57464	337.45379	5.08921	0.1194994	0.26976984	2.3721408	21	11 18.1	19.0
174817 2003 YJ_{13}	14.7	X	42.75324	194.01445	300.03359	21.69372	0.0351547	0.17886333	3.1197648	21	2 15.7	19.1
174818 2003 YH_{14}	16.4	X	268.12273	83.95179	57.40609	8.46011	0.0847519	0.27587580	2.3370086	21	12 20.0	19.0
174819 2003 YE_{17}	16.2	X	164.94309	88.66446	42.47146	2.59591	0.1280738	0.25332405	2.4737270	21	7 27.6	19.9
174820 2003 YV_{20}	17.0	X	154.77426	177.56104	344.92720	1.07641	0.1251636	0.25571763	2.4582663	21	8 26.7	20.6
174821 2003 YW_{20}	16.5	X	192.71803	143.32375	9.97493	1.35566	0.1239857	0.26071051	2.4267797	21	9 23.2	19.8
174822 2003 YW_{28}	17.3	X	230.94813	10.86030	116.31090	2.19051	0.1329567	0.26664197	2.3906558	21	10 2.1	20.6
174823 2003 YV_{33}	15.3	X	314.90619	114.38076	213.02053	12.62139	0.2161321	0.20536210	2.8452637	21	6 4.4	18.8
174824 2003 YA_{36}	16.8	X	315.29048	63.51175	319.85396	6.59460	0.2435147	0.26520591	2.3992781	21	8 26.2	18.4
174825 2003 YT_{36}	16.0	X	184.19573	24.09779	323.33280	4.05777	0.2522891	0.23891418	2.5722199	21	2 18.2	20.4
174826 2003 YO_{43}	16.1	X	93.50028	177.44378	281.88079	3.15551	0.2410590	0.23863666	2.5742137	21	4 8.4	19.3
174827 2003 YV_{46}	16.3	X	162.95640	142.35889	77.62796	6.88026	0.0759900	0.27145248	2.3623279	21	11 20.9	19.7
174828 2003 YN_{58}	16.0	X	182.85198	28.79771	101.98737	9.51047	0.1530187	0.25757440	2.4464382	21	8 15.4	19.9
174829 2003 YT_{66}	15.7	X	14.10261	179.20958	319.86221	10.96987	0.0947377	0.22733656	2.6588256	21	1 9.3	18.8
174830 2003 YY_{79}	16.3	X	326.49386	56.07347	316.65562	5.75169	0.1618812	0.26444102	2.4039024	21	9 13.2	18.2
174831 2003 YC_{82}	16.8	X	332.60642	102.34635	327.60367	3.68923	0.0980479	0.27257476	2.3558391	21	12 26.5	19.1
174832 2003 YV_{82}	15.9	X	66.87811	328.22972	112.71623	6.91844	0.0282819	0.22954976	2.6417080	21	1 8.9	19.2
174833 2003 YW_{83}	16.9	X	214.20058	124.91083	34.59968	1.70192	0.1240453	0.26949338	2.3737628	21	10 25.7	20.0
174834 2003 YE_{88}	16.3	X	58.25137	214.00548	240.99123	7.90747	0.1379718	0.23486446	2.6017038	21	1 18.6	19.1
174835 2003 YQ_{103}	15.9	X	301.00685	184.71029	215.59267	5.32118	0.0933526	0.21121112	2.7924894	21	9 7.9	19.4
174836 2003 YP_{105}	16.0	X	111.26145	295.34278	176.39900	4.39734	0.0991881	0.24551890	2.5258803	21	4 28.9	19.3
174837 2003 YP_{112}	16.1	X	347.21903	51.49716	316.58563	6.14766	0.1333301	0.26732103	2.3866055	21	10 19.9	18.5
174838 2003 YV_{115}	16.5	X	219.40962	153.29285	302.17073	5.64262	0.0742358	0.25760210	2.4462628	21	8 10.4	19.9
174839 2003 YP_{120}	16.2	X	282.93886	336.35241	28.84142	6.62028	0.1644638	0.25614456	2.4555340	21	6 14.8	19.5
174840 2003 YO_{129}	15.4	X	104.56422	320.72000	81.03823	11.34594	0.2318041	0.23249854	2.6193240	21	2 11.3	18.9
174841 2003 YD_{133}	15.5	X	223.84948	204.42097	341.57443	7.28486	0.1569908	0.21194467	2.7860423	21	11 24.8	19.7
174842 2003 YJ_{145}	15.8	X	13.54398	155.90039	24.96152	8.13432	0.1386950	0.23529208	2.5985506	21	3 3.6	18.5
174843 2003 YD_{146}	15.7	X	253.39739	299.39502	48.86208	10.93105	0.1766056	0.24725550	2.5140394	21	4 20.4	19.5
174844 2003 YL_{147}	15.4	X	106.66809	58.71098	8.02110	10.29837	0.0853018	0.23872984	2.5735439	21	2 23.1	18.8
174845 2003 YC_{149}	15.8	X	328.40483	171.38545	83.76888	28.17942	0.0217347	0.24249532	2.5468331	21	4 27.5	19.7
174846 2003 YE_{153}	15.2	X	91.05057	7.09793	122.01821	29.93240	0.0319388	0.23662265	2.5888001	21	4 28.8	19.4
174847 2003 YM_{154}	15.2	X	17.59465	159.37247	68.27524	14.08476	0.1172837	0.24210767	2.5495509	21	5 17.1	17.7
174848 2003 YH_{155}	16.0	X	150.66324	19.15580	45.52223	13.70995	0.1677898	0.24237879	2.5476493	21	4 21.6	19.9
174849 2003 YL_{155}	16.5	X	182.91675	357.32910	112.52292	3.95473	0.1331004	0.25520105	2.4615826	21	7 17.2	20.1
174850 2003 YT_{155}	15.5	X	349.84640	285.61014	245.96301	10.55283	0.1391547	0.23017223	2.6369431	21	1 5.1	18.8
174851 2003 YX_{164}	16.9	X	219.66219	223.76972	277.20627	1.32499	0.1148872	0.26689708	2.3891321	21	10 7.5	20.1
174852 2003 YG_{167}	16.1	X	48.33784	206.14532	122.12352	4.64217	0.0989652	0.20985967	2.8044652	21	11 20.4	19.9
174853 2003 YS_{168}	15.6	X	63.01531	298.81984	60.70512	8.38152	0.1452683	0.22290139	2.6939789	21	—	—
174854 2003 YW_{173}	16.6	X	128.15949	232.41589	70.39023	7.56731	0.1397153	0.28185321	2.3038492	21	—	—
174855 2003 YS_{180}	16.0	X	113.05850	203.43777	36.63971	9.46057	0.2049290	0.25938440	2.4350440	21	10 28.4	19.9
174856 2004 AS_{2}	15.7	X	15.78104	117.16820	121.97993	13.40801	0.1407968	0.24482873	2.5306250	21	6 2.4	18.4
174857 2004 AW_{3}	16.2	X	111.39211	89.91127	123.98757	3.40583	0.1304583	0.25532960	2.4607563	21	9 18.9	19.8
174858 2004 AM_{4}	16.1	X	190.70795	65.68561	311.38219	3.33115	0.2122673	0.24326225	2.5414773	21	3 27.6	20.3
174859 2004 AS_{7}	16.6	X	69.11259	231.93280	249.42755	4.20261	0.2061247	0.23622853	2.5916786	21	3 25.7	19.4
174860 2004 AC_{8}	16.1	X	94.96486	196.84432	202.29516	6.47851	0.2647234	0.23162261	2.6259236	21	1 25.1	19.3
174861 2004 AY_{21}	16.4	X	141.64172	1.48483	309.33879	3.68632	0.0965544	0.22195962	2.7015939	21	—	—
174862 2004 BD_{2}	16.1	X	207.22883	350.76396	21.31108	4.48934	0.1425528	0.24593484	2.5230315	21	4 6.0	19.8
174863 2004 BA_{15}	17.1	X	271.35837	321.99279	115.01596	2.22211	0.1592791	0.26248684	2.4158188	21	9 11.9	20.0
174864 2004 BV_{15}	17.0	X	207.13235	125.97315	10.91742	2.01941	0.1564250	0.25971800	2.4329584	21	9 14.6	20.5
174865 2004 BS_{16}	16.4	X	188.83968	117.18404	14.09180	7.25835	0.1535467	0.25681277	2.4512728	21	8 22.6	20.3
174866 2004 BG_{18}	15.8	X	104.20642	336.60570	45.11719	14.98163	0.0092283	0.22497174	2.6774256	21	—	—
174867 2004 BZ_{20}	16.8	X	153.22833	40.34122	138.86050	3.41937	0.1144692	0.25723166	2.4486108	21	9 16.7	20.4
174868 2004 BH_{25}	15.6	X	73.01476	220.42276	124.22180	11.08576	0.1711604	0.21806825	2.7336385	21	—	—
174869 2004 BX_{38}	15.7	X	60.58821	265.55661	109.57008	15.01876	0.1740919	0.22246212	2.6975241	21	—	—
174870 2004 BG_{39}	16.8	X	158.62186	34.48395	135.63772	3.21217	0.1157653	0.25783504	2.4447892	21	9 10.4	20.5
174871 2004 BE_{42}	16.2	X	133.82970	317.82017	115.73186	8.87811	0.1745514	0.23927774	2.5696138	21	4 18.7	20.2
174872 2004 BP_{42}	15.5	X	356.37346	138.13155	63.59416	14.04103	0.0850446	0.23647592	2.5898708	21	3 12.6	18.9
174873 2004 BL_{43}	16.6	X	214.64263	154.56621	333.79140	6.00828	0.0997462	0.25839930	2.4412288	21	9 15.1	19.9
174874 2004 BQ_{47}	15.1	X	10.19750	280.38709	289.37306	7.80004	0.0867040	0.18395822	3.0618924	21	4 9.8	19.1
174875 2004 BQ_{50}	16.2	X	182.58472	46.89646	129.07938	6.42486	0.0126039	0.26208791	2.4182697	21	10 22.3	19.4
174876 2004 BW_{50}	16.7	X	199.57912	307.24449	131.03182	5.01110	0.1744908	0.25169134	2.4844134	21	6 21.4	20.7
174877 2004 BU_{52}	16.5	X	284.48446	256.13633	126.16067	3.12040	0.2196266	0.25835795	2.4414893	21	7 2.8	19.6
174878 2004 BV_{53}	16.5	X	78.90658	74.79851	321.25821	3.96832	0.1125584	0.22643762	2.6658579	21	—	—
174879 2004 BP_{54}	15.7	X	278.26797	124.80882	73.07531	2.65335	0.0372501	0.22282623	2.6945847	21	—	—
174880 2004 BM_{55}	16.7	X	171.93626	228.75055	318.37176	1.55286	0.1188314	0.26032964	2.4291461	21	10 14.6	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
174881 2004 BU_{58}	17.9	X	28.24884	171.80598	120.17718	57.23323	0.5571089	0.70196848	1.2538848	21	—	—
174882 2004 BV_{65}	16.1	X	109.68686	201.85104	105.71904	7.54065	0.0429759	0.21593596	2.7516049	21	12 29.9	20.1
174883 2004 BH_{72}	16.3	X	73.47128	198.18428	233.36304	3.48553	0.2347541	0.23180674	2.6245328	21	1 28.0	18.8
174884 2004 BC_{74}	15.5	X	269.45047	20.22115	310.65844	14.30221	0.0986629	0.24265974	2.5456824	21	4 14.5	19.5
174885 2004 BJ_{76}	16.5	X	272.77719	55.00419	139.34671	2.69250	0.2052750	0.27625019	2.3348966	21	—	—
174886 2004 BW_{83}	15.7	X	57.93887	252.57300	313.82282	14.12787	0.2350079	0.24058277	2.5603129	21	7 18.1	18.6
174887 2004 BL_{84}	15.9	X	102.26948	294.82274	202.59281	11.65573	0.2211783	0.24275065	2.5450468	21	6 8.2	19.7
174888 2004 BP_{89}	15.5	X	333.88745	209.99305	305.45483	15.06989	0.0586226	0.22371997	2.6874035	21	—	—
174889 2004 BA_{90}	15.5	X	75.85778	136.88984	301.90544	13.45653	0.0947842	0.22894064	2.6463917	21	1 25.1	18.7
174890 2004 BH_{91}	15.5	X	276.64651	302.08414	312.54762	9.32413	0.1341153	0.22910715	2.6451093	21	1 22.4	19.5
174891 2004 BJ_{92}	15.3	X	35.51450	302.84011	274.46761	9.77075	0.1551649	0.18529443	3.0471545	21	6 9.9	18.8
174892 2004 BT_{96}	16.7	X	85.21755	289.81478	226.19918	0.82863	0.0214018	0.24297626	2.5434712	21	5 10.9	19.9
174893 2004 BW_{101}	15.8	X	352.00100	316.76130	251.95384	2.93365	0.1252564	0.23389919	2.6088568	21	2 28.7	18.7
174894 2004 BM_{102}	15.4	X	286.57273	66.57583	123.91973	15.59861	0.1668596	0.21406515	2.7676133	21	—	—
174895 2004 BS_{104}	16.0	X	234.75925	66.63346	286.82429	14.21046	0.0273446	0.24191901	2.5508763	21	4 10.1	19.8
174896 2004 BT_{106}	16.4	X	121.59093	100.05241	327.11690	12.35505	0.1676992	0.23716843	2.5848269	21	3 18.4	20.1
174897 2004 BF_{109}	16.0	X	147.54588	291.93337	116.17883	18.80226	0.1971405	0.23809536	2.5781139	21	4 6.9	20.5
174898 2004 BL_{111}	15.8	X	352.96966	41.13257	112.49574	14.96714	0.0611460	0.22540079	2.6740268	21	—	—
174899 2004 BT_{113}	15.8	X	202.00704	278.28451	97.64800	15.35583	0.1352667	0.24303741	2.5430446	21	4 14.1	20.1
174900 2004 BL_{117}	15.9	X	29.03492	103.49962	92.73851	13.03281	0.1051865	0.23854640	2.5748631	21	4 26.7	19.0
174901 2004 BE_{118}	16.0	X	40.98351	286.86972	235.32228	5.36040	0.1020051	0.23601787	2.5932205	21	3 20.7	18.9
174902 2004 BO_{118}	16.5	X	27.37323	101.84718	49.68228	7.10957	0.1754113	0.23075956	2.6324669	21	2 16.2	19.1
174903 2004 BL_{119}	16.5	X	16.16812	286.47853	193.23731	1.69970	0.1558286	0.22716173	2.6601897	21	—	—
174904 2004 BP_{122}	16.6	X	150.68114	61.01539	18.70699	1.18874	0.0887636	0.23884135	2.5727428	21	5 2.0	20.3
174905 2004 BJ_{127}	16.7	X	189.19646	242.40654	106.54168	5.80051	0.0898719	0.23583443	2.5945651	21	2 19.9	20.5
174906 2004 BS_{127}	16.7	X	258.48735	315.31806	338.80536	2.16180	0.1134783	0.23648861	2.5897782	21	2 21.2	20.5
174907 2004 BS_{133}	16.3	X	246.84836	44.55404	22.41407	5.26038	0.0877293	0.25778094	2.4451313	21	8 7.1	19.5
174908 2004 BP_{134}	15.8	X	118.13115	217.53434	91.86082	6.94115	0.0559843	0.21614677	2.7498155	21	—	—
174909 2004 BE_{147}	15.7	X	101.89312	53.35104	325.31971	13.64745	0.1159441	0.22469123	2.6796535	21	—	—
174910 2004 BO_{151}	15.7	X	235.64796	41.58924	286.18370	13.79565	0.0746774	0.23885452	2.5726482	21	3 5.6	19.8
174911 2004 BG_{153}	16.1	X	257.90445	28.87642	286.16487	4.95418	0.1704466	0.24108614	2.5567478	21	3 10.5	20.1
174912 2004 BD_{155}	16.7	X	182.33924	143.11640	234.77318	1.26831	0.2055287	0.24139532	2.5545642	21	3 22.7	21.0
174913 2004 BM_{156}	16.8	X	178.40455	31.75350	312.67249	11.28086	0.2060137	0.23359305	2.6111356	21	2 8.1	21.0
174914 2004 CP_{1}	14.9	X	324.56157	55.26081	308.31415	12.75961	0.2083366	0.20264563	2.8706344	21	8 13.5	18.0
174915 2004 CQ_{1}	16.2	X	14.72023	244.50745	285.56002	3.14152	0.1481914	0.23247425	2.6195065	21	2 13.5	19.0
174916 2004 CG_{4}	16.1	X	66.72490	55.92513	41.43273	3.92558	0.1058541	0.23204078	2.6227677	21	2 7.2	19.0
174917 2004 CN_{6}	15.8	X	352.34131	93.26574	89.05785	15.21831	0.1716034	0.22992663	2.6388206	21	1 21.6	18.9
174918 2004 CJ_{13}	16.4	X	150.28350	261.73156	145.83680	11.30061	0.0588285	0.23582746	2.5946162	21	3 20.9	20.0
174919 2004 CV_{20}	17.1	X	122.91400	58.40423	54.62602	2.14494	0.0239516	0.24294351	2.5436998	21	5 4.2	20.5
174920 2004 CE_{22}	16.5	X	5.25602	299.71802	219.78552	2.95370	0.1024728	0.22893047	2.6464700	21	1 18.9	19.5
174921 2004 CJ_{22}	16.4	X	93.31030	81.60797	67.95748	4.84806	0.1387499	0.24145173	2.5541663	21	6 1.1	19.7
174922 2004 CB_{28}	16.7	X	164.37407	38.47661	58.02856	2.01440	0.0640340	0.24762185	2.5115591	21	6 7.4	20.1
174923 2004 CF_{33}	16.9	X	171.77067	280.21847	115.81664	4.82787	0.2075749	0.24214686	2.5492758	21	4 7.8	21.1
174924 2004 CO_{33}	16.5	X	110.31757	282.86086	102.48674	4.90943	0.0989420	0.22859051	2.6490933	21	1 5.9	20.0
174925 2004 CE_{36}	15.7	X	28.51804	20.01038	65.21879	11.22497	0.0996656	0.22300664	2.6931313	21	—	—
174926 2004 CJ_{37}	16.1	X	356.26390	288.67388	295.63368	5.05935	0.1035624	0.23655491	2.5892942	21	3 30.3	19.1
174927 2004 CX_{37}	16.4	X	17.10310	162.79289	27.01191	8.10290	0.1489820	0.23429601	2.6059102	21	3 22.2	18.9
174928 2004 CM_{45}	16.1	X	156.43621	268.34176	118.37323	12.47234	0.2118570	0.23692658	2.5865856	21	3 17.1	20.5
174929 2004 CZ_{50}	14.9	X	265.65457	11.94804	322.63781	13.51902	0.2201874	0.24071518	2.5593739	21	4 2.4	19.2
174930 2004 CP_{52}	15.8	X	129.11379	90.67194	119.97160	2.87638	0.1079886	0.19779789	2.9173483	21	9 26.9	20.2
174931 2004 CV_{54}	16.6	X	6.19592	169.79597	39.06231	3.73041	0.1213779	0.23508475	2.6000782	21	3 28.9	19.2
174932 2004 CC_{59}	16.7	X	79.33162	85.14623	102.15892	9.41589	0.1783613	0.24464474	2.5318936	21	7 10.9	19.9
174933 2004 CE_{61}	16.4	X	83.25026	4.95573	92.50463	7.76673	0.0921832	0.23453267	2.6041569	21	3 4.7	19.7
174934 2004 CP_{62}	15.8	X	275.76000	219.92111	103.59921	15.93712	0.1162655	0.24051764	2.5607750	21	4 26.3	19.7
174935 2004 CT_{62}	15.5	X	109.11925	183.81196	63.67994	9.76114	0.1701078	0.19974086	2.8983986	21	10 27.8	20.1
174936 2004 CU_{62}	15.6	X	225.87236	153.02371	111.24667	15.13188	0.0701456	0.22215838	2.6999823	21	—	—
174937 2004 CP_{64}	16.4	X	207.60983	282.01486	124.57366	15.19190	0.1044796	0.24622242	2.5210666	21	5 25.8	20.5
174938 2004 CM_{65}	16.6	X	51.26555	86.80140	118.30000	11.75214	0.1288589	0.24304806	2.5429703	21	6 15.7	19.5
174939 2004 CW_{68}	16.1	X	224.24981	174.03855	25.07250	3.62643	0.0609433	0.21370814	2.7706947	21	12 25.6	19.9
174940 2004 CE_{70}	14.9	X	122.54712	4.54765	112.06236	11.97584	0.0623791	0.18394233	3.0620687	21	5 21.0	19.5
174941 2004 CL_{70}	16.4	X	45.95071	148.55770	339.51369	7.17634	0.0936863	0.23234001	2.6205154	21	2 13.5	19.4
174942 2004 CS_{75}	16.6	X	178.51043	257.60438	188.43907	2.22728	0.0738237	0.24700770	2.5157205	21	6 10.7	20.2
174943 2004 CN_{79}	16.2	X	30.67708	0.44365	101.06644	4.72627	0.0677809	0.22440394	2.6819400	21	—	—
174944 2004 CH_{80}	15.7	X	214.86923	157.04074	44.13353	4.47479	0.0366908	0.21083354	2.7958224	21	12 19.3	19.7
174945 2004 CX_{82}	16.1	X	81.08794	8.71377	349.44004	3.62424	0.0395218	0.21641823	2.7475155	21	—	—
174946 2004 CF_{85}	15.2	X	53.98912	308.35013	296.09907	9.55337	0.1490222	0.19189532	2.9768695	21	8 13.3	19.2
174947 2004 CR_{85}	16.1	X	267.75379	132.16327	124.45410	3.46658	0.0867239	0.22738253	2.6584673	21	1 19.5	19.9
174948 2004 CZ_{89}	15.1	X	214.80317	1.38997	311.94723	12.44918	0.1872749	0.22929502	2.6436643	21	2 1.9	19.5
174949 2004 CB_{99}	15.6	X	266.80387	201.96937	333.18881	11.38727	0.0870463	0.21432427	2.7653821	21	—	—
174950 2004 CS_{104}	15.7	X	62.68349	182.16235	317.11942	8.77575	0.1056974	0.23406091	2.6076550	21	3 23.6	18.9
174951 2004 CG_{107}	16.2	X	334.89091	235.15672	333.11536	6.02039	0.2321117	0.22771729	2.6558612	21	1 20.1	19.4
174952 2004 CN_{109}	15.7	X	345.59408	159.77075	65.77019	14.96322	0.1239964	0.23616606	2.5921357	21	3 24.4	19.0
174953 2004 CR_{109}	15.7	X	27.29408	60.14481	71.93364	15.06104	0.0796880	0.22922048	2.6442374	21	1 21.5	19.0
174954 2004 CB_{113}	16.5	X	153.12587	13.12561	47.60815	4.85598	0.1756122	0.24249935	2.5468048	21	4 18.2	20.3
174955 2004 CP_{116}	16.2	X	206.15219	213.02117	140.55829	10.42947	0.1091491	0.23791683	2.5794034	21	3 16.1	20.2
174956 2004 CQ_{126}	16.4	X	103.40937	187.81007	196.82389	3.75262	0.1006066	0.22471239	2.6794852	21	—	—
174957 2004 CJ_{129}	16.3	X	314.75090	72.81671	15.17622	1.80482	0.0419249	0.21045191	2.7992014	21	12 6.1	19.8
174958 2004 CS_{130}	15.8	X	7.62361	241.23125	14.79147	12.75401	0.1442966	0.24350491	2.5397886	21	6 5.4	18.5
174959 2004 DB_{2}	15.5	X	50.58281	85.09867	354.56329	11.16166	0.0733235	0.22372367	2.6873738	21	—	—
174960 2004 DK_{3}	16.2	X	60.16699	111.67353	305.34500	2.49833	0.1065258	0.22260358	2.6963812	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
174961 2004 DJ_4	14.8	X	329.45441	153.76478	85.00828	15.12900	0.1198004	0.17320741	3.1873156	21	3 27.3	19.2
174962 2004 DP_4	15.9	X	286.20458	122.92832	12.46349	3.41891	0.0373220	0.21348278	2.7726442	21	12 28.7	19.6
174963 2004 DJ_7	16.2	X	192.30629	285.49912	32.39206	3.93712	0.0833926	0.22750175	2.6575384	21	1 16.4	20.1
174964 2004 DN_{14}	16.2	X	57.32169	275.95713	198.79798	6.23474	0.2990756	0.23146661	2.6271033	21	3 8.3	18.2
174965 2004 DH_{16}	15.4	X	199.80497	342.12272	155.94340	6.30624	0.0778293	0.19626484	2.9325204	21	9 9.7	19.8
174966 2004 DN_{17}	15.8	X	301.99054	328.64876	297.95786	12.55487	0.0920787	0.23466625	2.6031686	21	3 5.3	19.6
174967 2004 DD_{19}	16.0	X	81.31077	73.60571	52.08057	8.23418	0.1691235	0.23596273	2.5936245	21	4 19.3	19.0
174968 2004 DA_{29}	15.8	X	355.38877	152.87321	136.72527	7.16393	0.0783563	0.24632669	2.5203551	21	7 6.6	18.5
174969 2004 DT_{29}	16.5	X	126.46460	1.74634	123.27016	3.60040	0.0446234	0.24391687	2.5369281	21	5 28.8	19.8
174970 2004 DK_{30}	16.3	X	141.41283	283.93334	125.87568	6.02457	0.3232767	0.23875746	2.5733454	21	4 8.0	20.7
174971 2004 DA_{34}	15.9	X	32.76289	34.17519	356.89995	7.89764	0.0478255	0.21330224	2.7742085	21	—	—
174972 2004 DE_{34}	16.2	X	52.21718	40.92939	85.51216	3.22612	0.1602872	0.22975705	2.6401189	21	2 28.2	18.8
174973 2004 DO_{38}	16.6	X	12.96904	128.29619	1.10069	2.83800	0.1771415	0.22530936	2.6747502	21	—	—
174974 2004 DB_{43}	16.3	X	189.25770	278.90815	48.11907	2.95491	0.0795124	0.22789046	2.6545156	21	1 23.9	20.3
174975 2004 DP_{44}	16.3	X	266.11575	179.97777	313.62168	2.61185	0.0427531	0.20916745	2.8106492	21	11 27.6	20.1
174976 2004 DA_{46}	16.0	X	143.95123	42.08286	228.32939	5.47247	0.2037764	0.26601860	2.3943890	21	12 29.4	20.1
174977 2004 DT_{49}	15.9	X	209.15460	120.01429	115.77704	5.86800	0.0444339	0.21430764	2.7655251	21	—	—
174978 2004 DZ_{50}	17.0	X	40.59314	100.63440	119.98307	2.51784	0.0619009	0.24302278	2.5431466	21	6 10.7	20.0
174979 2004 DP_{52}	16.0	X	98.56525	176.32665	304.13077	2.84677	0.0474274	0.23705529	2.5856493	21	4 13.8	19.4
174980 2004 DG_{58}	16.3	X	351.51335	129.45595	88.87265	2.72483	0.0430807	0.23528647	2.5985919	21	3 24.9	19.5
174981 2004 DO_{60}	16.4	X	115.74779	106.11989	152.14245	3.47576	0.1567926	0.25889598	2.4381056	21	11 20.3	20.3
174982 2004 DY_{74}	16.5	X	71.13441	228.22083	165.78168	2.62897	0.0918319	0.22051789	2.7133563	21	—	—
174983 2004 EK_2	16.1	X	326.74904	98.36876	124.96278	6.53094	0.1557583	0.22711713	2.6605380	21	2 8.7	19.3
174984 2004 EE_5	16.4	X	330.23198	352.73833	102.58115	2.99743	0.1959750	0.21436861	2.7650008	21	—	—
174985 2004 EV_5	15.7	X	236.53129	186.49501	12.22387	12.20219	0.0933162	0.21147756	2.7901434	21	—	—
174986 2004 EV_6	15.5	X	350.29973	230.27301	29.98871	2.00851	0.1626635	0.17977150	3.1092489	21	5 14.5	19.1
174987 2004 EK_8	15.6	X	280.19487	141.17761	357.39978	12.41998	0.1253481	0.20984492	2.8045967	21	12 11.7	19.4
174988 2004 EU_{13}	16.1	X	17.10570	109.95726	39.37909	6.95817	0.0788592	0.22717539	2.6600830	21	1 29.7	19.3
174989 2004 ET_{17}	16.0	X	264.55017	133.63197	115.25654	9.55030	0.2357850	0.21925151	2.7237944	21	—	—
174990 2004 EB_{20}	15.6	X	272.26701	128.89857	61.52899	7.96967	0.0797257	0.21467474	2.7623715	21	—	—
174991 2004 EW_{28}	16.9	X	79.68389	342.54914	140.14280	1.02924	0.1395161	0.23421705	2.6064959	21	4 6.5	19.8
174992 2004 EU_{33}	15.7	X	127.56800	260.24512	109.87378	7.08677	0.0413773	0.22204343	2.7009140	21	1 2.0	19.3
174993 2004 ED_{35}	16.5	X	9.61476	75.29057	138.30574	5.10007	0.2215731	0.23236066	2.6203602	21	4 7.8	18.6
174994 2004 EW_{35}	15.6	X	61.59554	250.53016	275.24953	8.21125	0.0666089	0.23788783	2.5796130	21	4 23.8	18.9
174995 2004 EM_{39}	16.3	X	41.03197	128.14768	344.21393	4.80299	0.1414254	0.22672793	2.6635818	21	1 17.0	19.0
174996 2004 EF_{58}	16.0	X	336.03295	97.40996	111.16400	3.01518	0.0224843	0.22917334	2.6446000	21	2 21.2	19.4
174997 2004 EH_{58}	16.2	X	341.63508	79.55276	138.09542	5.62761	0.0870862	0.23068450	2.6330379	21	3 4.9	19.4
174998 2004 EF_{62}	16.2	X	339.86563	81.30158	353.30491	3.90311	0.0863427	0.20975440	2.8054034	21	12 26.1	19.6
174999 2004 EZ_{62}	15.9	X	298.78805	181.46658	242.75137	1.29015	0.0684395	0.20248450	2.8721571	21	10 10.1	19.6
175000 2004 ED_{64}	15.5	X	183.49233	161.96884	98.17701	10.52677	0.1199828	0.21360301	2.7716038	21	—	—
175001 2004 EZ_{64}	15.5	X	147.55896	338.43406	64.09612	14.08085	0.1830088	0.23409561	2.6073972	21	3 29.2	19.8
175002 2004 EP_{68}	15.9	X	41.10886	141.37328	343.26140	12.42184	0.1175164	0.22895193	2.6463047	21	2 4.5	18.9
175003 2004 EN_{69}	16.3	X	230.22076	221.18340	1.80482	3.49312	0.0380602	0.21459808	2.7630294	21	—	—
175004 2004 ER_{71}	15.8	X	63.42248	40.29081	354.00950	6.06431	0.0595335	0.21592884	2.7516654	21	—	—
175005 2004 EA_{73}	15.8	X	77.26862	358.54124	28.98484	6.32649	0.0137796	0.21738500	2.7393635	21	—	—
175006 2004 EJ_{73}	16.4	X	324.93993	9.67657	183.12330	1.99829	0.0270456	0.22373544	2.6872796	21	1 16.7	19.8
175007 2004 ET_{79}	15.3	X	354.89246	310.57977	125.56429	12.57721	0.1258738	0.21250602	2.7811338	21	—	—
175008 2004 EU_{80}	16.3	X	80.11954	28.67537	89.48040	4.50438	0.0894273	0.23384430	2.6092650	21	3 26.6	19.6
175009 2004 EL_{81}	15.2	X	230.22032	103.34224	94.24046	10.52328	0.1430922	0.20929218	2.8095324	21	12 19.0	19.3
175010 2004 EK_{86}	16.1	X	22.64956	302.78561	131.35738	5.78781	0.0916391	0.21688737	2.7435521	21	—	—
175011 2004 EX_{94}	16.0	X	1.64228	105.64605	52.48092	14.19940	0.1581868	0.22474630	2.6792157	21	1 7.4	19.2
175012 2004 EO_{114}	16.2	X	93.76391	262.11172	133.30008	8.52674	0.1273784	0.22308734	2.6924818	21	1 1.1	19.5
175013 2004 EC_{116}	15.1	X	55.92976	251.50840	21.18105	10.61624	0.0823095	0.18984158	2.9983005	21	9 17.6	19.2
175014 2004 FG_9	15.6	X	257.30920	62.65921	132.12966	5.56878	0.0498408	0.21261121	2.7802164	21	—	—
175015 2004 FL_{11}	15.7	X	185.70300	356.34180	289.37393	4.55830	0.2141446	0.21335603	2.7737422	21	—	—
175016 2004 FU_{14}	15.4	X	277.34696	143.58552	7.46369	7.82613	0.1608937	0.21023903	2.8010905	21	12 20.0	18.9
175017 Záboří	15.5	X	262.25052	123.07051	104.79130	10.17929	0.1020858	0.21880131	2.7275294	21	—	—
175018 2004 FC_{20}	15.2	X	51.76284	4.15446	209.57854	4.26311	0.1391636	0.18359864	3.0658888	21	6 29.8	19.1
175019 2004 FN_{24}	15.6	X	147.30898	289.67181	322.97922	14.00676	0.1236244	0.20332290	2.8642561	21	12 1.6	20.5
175020 2004 FK_{26}	16.3	X	180.94329	233.58633	7.85991	3.49562	0.0424161	0.20880193	2.8139284	21	12 28.4	20.4
175021 2004 FO_{26}	15.7	X	42.36964	358.87417	28.71381	1.89139	0.0802618	0.21104807	2.7939274	21	—	—
175022 2004 FM_{27}	15.6	X	88.69878	270.69290	185.68801	16.13446	0.1077023	0.17345852	3.1842388	21	3 18.4	19.9
175023 2004 FU_{27}	15.5	X	324.40127	36.01277	243.78311	1.53032	0.0884628	0.17919211	3.1159474	21	5 5.9	19.7
175024 2004 FU_{29}	15.4	X	87.61175	51.19479	151.55457	9.79165	0.1715861	0.18347449	3.0672718	21	8 7.5	19.8
175025 2004 FE_{33}	15.8	X	7.95537	129.81012	334.18533	12.28488	0.1295299	0.21954700	2.7213498	21	—	—
175026 2004 FB_{34}	15.5	X	74.39820	139.38831	222.96175	4.59772	0.0630022	0.21323816	2.7747643	21	—	—
175027 2004 FW_{35}	15.9	X	209.23906	108.72939	79.13670	2.89488	0.1770666	0.20431205	2.8550040	21	11 11.8	20.5
175028 2004 FG_{39}	16.1	X	34.94764	280.35435	129.33332	3.08695	0.0286227	0.21308414	2.7761012	21	—	—
175029 2004 FJ_{39}	16.4	X	169.66318	281.32453	146.01777	4.10324	0.0813753	0.23816061	2.5776430	21	5 8.6	20.1
175030 2004 FN_{40}	16.0	X	41.86091	71.27633	344.01884	11.49681	0.0948371	0.21894718	2.7263178	21	—	—
175031 2004 FF_{44}	15.5	X	140.20613	228.68951	348.62640	4.95352	0.0851127	0.19740905	2.9211780	21	10 12.5	20.1
175032 2004 FC_{45}	16.1	X	303.52581	122.73417	140.07913	7.72615	0.2101875	0.22674947	2.6634131	21	2 21.6	19.8
175033 2004 FD_{48}	15.0	X	59.47378	34.27357	333.54667	13.24306	0.2010002	0.21407509	2.7675276	21	—	—
175034 2004 FH_{49}	15.9	X	217.99612	21.61507	235.16204	2.17051	0.0234286	0.21740440	2.7392005	21	—	—
175035 2004 FM_{55}	15.8	X	122.94611	307.19445	18.69301	3.49561	0.0282335	0.21459133	2.7630873	21	—	—
175036 2004 FO_{56}	15.9	X	142.27610	23.53695	140.55175	2.34467	0.0743724	0.18885718	3.0087104	21	8 9.8	20.4
175037 2004 FO_{58}	15.5	X	3.15711	120.52921	134.28440	1.99101	0.0599798	0.18202070	3.0835822	21	6 2.6	19.5
175038 2004 FR_{62}	15.7	X	291.76104	113.32059	45.20506	4.33678	0.0342261	0.21323572	2.7747854	21	—	—
175039 2004 FP_{67}	16.6	X	287.55603	101.49386	142.92602	3.91783	0.1025485	0.22465186	2.6799665	21	1 24.9	20.5
175040 2004 FZ_{67}	16.1	X	86.73025	22.03940	116.48833	5.45577	0.2077754	0.23541974	2.5976111	21	5 20.8	19.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
175041 2004 FF_{70}	16.3	X	323.98198	271.35600	213.00847	1.89061	0.1323338	0.21334086	2.7738737	21	—	—
175042 2004 FM_{74}	16.5	X	326.17298	287.08972	328.16282	1.90015	0.0734304	0.23348008	2.6119778	21	4 1.2	19.7
175043 2004 FZ_{80}	15.1	X	342.52794	117.56983	105.36051	6.95034	0.1056349	0.17151183	3.2082879	21	3 23.4	19.3
175044 2004 FF_{81}	16.2	X	232.25639	94.65068	127.25526	5.79387	0.1016098	0.21206903	2.7849531	21	—	—
175045 2004 FE_{82}	15.6	X	199.34484	201.88507	67.43321	7.89111	0.0994595	0.21645164	2.7472328	21	—	—
175046 Corporon	16.2	X	336.10804	91.78215	140.16730	10.87241	0.1316425	0.23101240	2.6305457	21	3 10.7	19.3
175047 2004 FK_{93}	15.6	X	333.21256	131.87037	6.48063	8.96400	0.1272235	0.21609869	2.7502234	21	—	—
175048 2004 FV_{94}	14.8	X	68.31962	166.55731	83.26185	11.89292	0.0578330	0.19249522	2.9706815	21	9 3.3	19.1
175049 2004 FK_{100}	15.9	X	315.58710	343.72450	2.50296	5.68505	0.1195592	0.18910736	3.0060562	21	7 17.7	19.6
175050 2004 FA_{102}	15.5	X	330.74765	215.28905	326.38995	9.47955	0.2191164	0.22148019	2.7054912	21	—	—
175051 2004 FT_{108}	16.1	X	219.56836	236.35770	43.95843	3.16531	0.1392577	0.21677873	2.7444686	21	—	—
175052 2004 FH_{109}	15.8	X	240.69047	128.71642	35.52853	2.46729	0.0302030	0.20574080	2.8417712	21	12 4.9	19.6
175053 2004 FO_{116}	15.7	X	275.32278	78.35350	125.67493	10.01942	0.0659651	0.21622160	2.7491810	21	—	—
175054 2004 FN_{118}	16.1	X	273.29057	57.36260	114.02012	2.99236	0.1503655	0.21117623	2.7927969	21	—	—
175055 2004 FR_{122}	15.8	X	32.47998	240.57710	243.51970	13.20842	0.1859013	0.22543461	2.6737594	21	1 12.0	18.6
175056 2004 FX_{130}	15.7	X	286.71505	43.01219	124.97737	13.61197	0.0737755	0.21330637	2.7741728	21	—	—
175057 2004 FT_{134}	16.0	X	35.45807	293.07597	225.59448	8.82808	0.2483430	0.23066594	2.6331791	21	3 11.9	18.1
175058 2004 FQ_{140}	15.5	X	297.41325	162.87969	321.06431	7.74187	0.0959997	0.20924574	2.8099481	21	12 24.2	18.9
175059 2004 FV_{149}	15.6	X	319.00068	253.19441	289.61053	11.73247	0.0505310	0.22519886	2.6756250	21	—	—
175060 2004 FC_{158}	16.1	X	311.59604	49.71093	290.95918	1.57338	0.0066063	0.18823524	3.0153340	21	7 16.5	20.1
175061 2004 FH_{160}	16.2	X	103.23829	38.03132	83.28065	12.54047	0.1385424	0.23787908	2.5796763	21	5 10.5	19.8
175062 2004 GJ	15.2	X	292.79185	109.27083	110.49707	14.98453	0.1410454	0.22034637	2.7147642	21	—	—
175063 2004 GS_{1}	15.9	X	60.51776	162.06571	23.73938	0.32435	0.1137470	0.17893928	3.1188819	21	6 2.6	20.0
175064 2004 GP_{13}	14.9	X	177.90767	268.65315	237.14772	11.41388	0.0415672	0.19121095	2.9839683	21	8 21.2	19.5
175065 2004 GA_{15}	14.9	X	269.66174	10.20223	271.47851	15.79869	0.0953739	0.16830801	3.2488739	21	2 21.4	20.1
175066 2004 GY_{21}	16.3	X	266.23246	344.83694	138.61741	2.72891	0.0040504	0.20398470	2.8580577	21	11 20.6	20.3
175067 2004 GT_{23}	15.8	X	162.87606	220.60442	21.31792	8.61139	0.0423617	0.20375740	2.8601828	21	12 6.1	20.0
175068 2004 GF_{27}	15.2	X	203.98788	65.99957	146.42092	15.79905	0.0959335	0.20534140	2.8454549	21	12 14.9	19.7
175069 2004 GU_{28}	15.6	X	245.17589	9.27502	100.61897	11.22818	0.0516790	0.19639956	2.9311792	21	10 5.5	19.9
175070 2004 GJ_{32}	15.1	X	83.53954	319.44224	276.55717	10.15052	0.1109088	0.19093151	2.9868791	21	9 1.5	19.6
175071 2004 GC_{35}	15.8	X	231.50699	317.42851	265.87719	6.59404	0.1621725	0.21112261	2.7932698	21	—	—
175072 2004 GB_{36}	15.9	X	300.42958	187.18042	345.93228	8.01325	0.2048245	0.21549465	2.7553602	21	—	—
175073 2004 GO_{37}	15.5	X	311.43617	184.02034	320.44735	8.26742	0.0683043	0.21281638	2.7784293	21	—	—
175074 2004 GD_{40}	16.0	X	268.05968	120.98893	89.00678	4.16414	0.0821443	0.21577995	2.7529310	21	—	—
175075 2004 GR_{40}	16.1	X	65.60111	17.51437	170.66389	1.23199	0.0966594	0.17985617	3.1082730	21	6 10.7	20.2
175076 2004 GZ_{40}	15.5	X	33.02441	270.50291	290.27459	12.94850	0.1342366	0.23477303	2.6023792	21	5 1.2	18.6
175077 2004 GS_{43}	16.3	X	83.16807	165.20260	341.41764	1.98135	0.0808183	0.23431428	2.6057748	21	5 4.2	19.7
175078 2004 GJ_{56}	16.3	X	245.16819	231.25722	329.04792	2.78089	0.0327759	0.21024505	2.8010371	21	—	—
175079 2004 GC_{59}	16.2	X	191.30378	88.95038	176.38235	3.44049	0.1506211	0.20954873	2.8072388	21	—	—
175080 2004 GA_{66}	16.5	X	320.05765	77.83601	36.07119	4.11579	0.0510785	0.20966964	2.8061595	21	—	—
175081 2004 GQ_{68}	15.8	X	227.96685	103.92957	129.80827	5.29104	0.0177035	0.21143251	2.7905397	21	—	—
175082 2004 GO_{76}	15.8	X	21.21421	64.88451	89.95207	14.66582	0.1662757	0.22639377	2.6662021	21	2 10.1	18.7
175083 2004 GD_{81}	16.8	X	311.35034	340.39767	246.08770	1.89660	0.0338437	0.22766331	2.6562810	21	2 8.9	20.3
175084 2004 GP_{86}	16.7	X	226.67827	78.69174	118.50281	2.91505	0.0536118	0.20653199	2.8345089	21	12 25.6	20.6
175085 2004 HZ_{15}	14.7	X	277.96472	192.00214	107.39902	15.17413	0.1351343	0.16912951	3.2383451	21	4 2.7	19.7
175086 2004 HH_{22}	15.9	X	16.70626	125.56622	185.75552	1.81788	0.0748618	0.18926213	3.0044171	21	9 7.1	19.7
175087 2004 HO_{26}	15.6	X	238.00918	107.74207	93.48102	5.55345	0.0123159	0.20992293	2.8039018	21	—	—
175088 2004 HK_{37}	15.4	X	16.28297	185.70635	115.89987	11.95155	0.1760606	0.18609928	3.0383625	21	9 7.2	18.9
175089 2004 HY_{47}	16.2	X	104.52978	179.85458	327.35428	7.12924	0.1430639	0.23749256	2.5824745	21	6 12.8	19.9
175090 2004 HN_{52}	15.5	X	123.38523	128.85992	95.65037	13.63373	0.0868976	0.19171147	2.9787724	21	10 11.7	20.2
175091 2004 HB_{53}	14.6	X	277.89102	187.27355	103.68021	20.62345	0.0527869	0.17222631	3.1994086	21	4 5.8	19.6
175092 2004 HJ_{55}	15.7	X	247.71378	105.78259	124.33965	12.61440	0.0600554	0.21613448	2.7499197	21	—	—
175093 2004 HP_{55}	15.7	X	258.59447	114.05544	117.98580	10.57282	0.0850387	0.21669057	2.7452130	21	—	—
175094 2004 HK_{66}	15.2	X	328.91024	188.33749	133.70972	12.90387	0.0444449	0.18080833	3.0973510	21	7 11.7	19.4
175095 2004 JC_{1}	15.4	X	17.95489	215.10712	73.89196	2.36632	0.2791771	0.18255407	3.0775730	21	9 3.0	18.3
175096 2004 JJ_{3}	16.0	X	22.23262	205.12915	78.21807	2.74486	0.0969758	0.18454350	3.0554150	21	8 12.2	19.8
175097 2004 JG_{17}	15.1	X	12.04181	240.64112	24.48096	12.29875	0.0678306	0.18002542	3.1063246	21	6 30.2	19.3
175098 2004 JF_{18}	15.4	X	148.80176	83.11444	20.57988	15.58453	0.0649751	0.23601585	2.5932353	21	5 25.6	19.4
175099 2004 JF_{21}	16.1	X	258.03531	26.66282	72.64143	2.11130	0.0716032	0.19462476	2.9489721	21	9 30.2	20.2
175100 2004 JZ_{35}	15.4	X	55.04804	355.49577	173.41583	6.01573	0.1144615	0.17372492	3.1809827	21	5 5.5	19.5
175101 2004 JA_{40}	14.5	X	39.95268	274.60620	146.37681	10.49397	0.0648007	0.15180788	3.4802184	21	—	—
175102 2004 JP_{42}	15.6	X	3.06051	148.50714	80.80305	6.38044	0.1309095	0.17249239	3.1961176	21	4 30.6	19.4
175103 2004 JB_{56}	15.2	X	284.52748	251.92948	79.67904	12.59331	0.0889958	0.17632415	3.1496444	21	5 20.5	19.6
175104 2004 KC_{6}	15.8	X	135.99683	167.16045	87.39741	3.04940	0.0879581	0.19718409	2.9233992	21	11 23.7	20.1
175105 2004 KC_{9}	15.2	X	358.39021	201.19803	115.62487	6.67898	0.1682757	0.18171846	3.0870003	21	8 20.9	18.5
175106 2004 KJ_{11}	15.7	X	75.64561	214.55177	53.27621	5.72185	0.0753493	0.18905732	3.0065866	21	10 4.5	19.9
175107 2004 KB_{16}	15.5	X	301.04189	54.66483	131.49563	10.66167	0.2085232	0.21426732	2.7658721	21	—	—
175108 2004 LX_{10}	15.9	X	72.44329	2.31927	250.17987	4.44767	0.1479358	0.18626134	3.0365999	21	9 16.7	20.2
175109 Sharickaer	15.1	X	88.04438	278.25602	287.66719	18.41918	0.1776940	0.17748886	3.1358502	21	8 7.9	19.9
175110 2004 NF_{9}	15.3	X	25.66475	324.67277	292.34632	3.40133	0.1951315	0.17522361	3.1628187	21	7 21.9	18.8
175111 2004 NR_{18}	16.0	X	71.52911	69.67836	179.63674	4.28237	0.2704367	0.18267326	3.0762342	21	9 30.2	20.6
175112 2004 PP_{32}	15.1	X	61.31986	294.51276	349.36904	7.14089	0.1212855	0.17898318	3.1183719	21	10 7.9	19.4
175113 2004 PF_{115}	4.3	X	171.67678	86.09330	84.51742	13.34936	0.0600673	0.00400799	39.2510836	21	9 11.7	20.5
175114 2004 QQ	16.6	X	11.60856	31.43312	288.12297	5.72547	0.6639509	0.29229743	2.2486372	21	12 30.9	19.9
175115 2004 RH_{157}	13.7	X	147.28707	315.78206	281.06314	7.92941	0.1020315	0.12477880	3.9662083	21	11 2.9	19.8
175116 2004 RL_{252}	16.7	X	111.60801	58.90354	265.79381	18.00932	0.0829915	0.36334920	1.9450014	21	—	—
175117 2004 SE_{2}	14.0	X	130.91503	24.60955	224.77928	0.89818	0.0315283	0.12252626	4.0146706	21	10 30.1	19.8
175118 2004 TU_{214}	16.4	X	350.37028	113.06189	233.82656	5.37793	0.2087697	0.28745832	2.2738028	21	10 4.6	17.7
175119 2004 UE_{9}	16.6	X	154.35238	86.36814	270.63538	18.73912	0.0674903	0.37264543	1.9125179	21	—	—
175120 2004 XJ_{2}	16.8	X	6.70159	355.16777	34.79482	8.59182	0.1860748	0.29431051	2.2383717	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
175121 2004 XX_{30}	16.6	X	13.49361	336.14973	109.77926	24.97994	0.1172803	0.36122735	1.9526106	21	—	—
175122 2004 XM_{168}	16.9	X	17.30151	342.47388	66.71123	23.44550	0.0865656	0.35969783	1.9581419	21	—	—
175123 2004 YY_{21}	16.9	X	75.01992	268.15023	113.38291	5.87706	0.1672232	0.29800967	2.2198101	21	—	—
175124 2005 AB_{10}	15.4	X	237.44595	236.63096	286.89945	23.12920	0.2389778	0.28582752	2.2824434	21	11 9.4	19.0
175125 2005 AA_{35}	17.0	X	223.86640	12.81969	225.34871	3.76774	0.0555002	0.29718833	2.2238981	21	—	—
175126 2005 AM_{44}	16.4	X	9.68463	108.79530	120.71897	6.27066	0.1491699	0.25601814	2.4563423	21	5 3.4	18.7
175127 2005 AH_{56}	17.3	X	311.38109	97.39835	100.29454	5.57486	0.0951780	0.30396943	2.1906993	21	—	—
175128 2005 AW_{71}	16.9	X	104.34365	262.36771	107.77758	3.96089	0.1581884	0.30021277	2.2089367	21	—	—
175129 2005 BJ_{19}	12.4	X	113.68003	42.45130	112.27820	20.60023	0.0220838	0.08340963	5.1879039	21	6 22.4	19.4
175130 2005 CR_{4}	17.1	X	38.32102	265.07980	129.74552	4.36391	0.1270538	0.29096127	2.2555161	21	—	—
175131 2005 CK_{11}	16.6	X	108.58328	134.35673	104.40298	2.91731	0.1261006	0.27160842	2.3614236	21	10 19.6	20.0
175132 2005 CG_{16}	15.1	X	190.78752	353.80857	308.35229	11.56189	0.2602549	0.23846215	2.5754695	21	1 3.4	19.7
175133 2005 CV_{49}	16.6	X	192.08939	271.36156	300.41690	3.92454	0.0905975	0.28187397	2.3037361	21	12 13.1	19.6
175134 2005 CM_{56}	17.3	X	207.45915	256.06304	353.09603	4.04451	0.1434505	0.28864605	2.2675610	21	—	—
175135 2005 CF_{71}	17.0	X	248.28045	184.12397	100.78960	4.09704	0.1515439	0.30308997	2.1949350	21	1 18.4	20.1
175136 2005 DY_{1}	16.1	X	64.79681	125.15247	325.28480	15.77875	0.1578068	0.24317388	2.5420930	21	1 28.7	18.6
175137 2005 EP_{6}	16.7	X	231.32761	123.77336	30.09988	0.82332	0.1280162	0.27838023	2.3229710	21	11 8.5	19.7
175138 2005 ET_{7}	16.1	X	340.25785	309.47139	2.47575	5.26294	0.1588849	0.25800370	2.4437237	21	7 9.1	18.3
175139 2005 EM_{9}	17.3	X	194.98889	318.48967	222.89353	2.42623	0.1184424	0.27640787	2.3340086	21	11 3.1	20.4
175140 2005 EM_{10}	15.7	X	119.26358	294.03092	329.56400	7.40970	0.1642874	0.21397405	2.7683987	21	11 21.7	20.4
175141 2005 ES_{13}	16.9	X	315.74222	109.46947	8.99182	7.22259	0.1016402	0.28779481	2.2720301	21	—	—
175142 2005 EG_{14}	16.9	X	205.70327	242.63939	27.62488	5.75298	0.1589883	0.28987433	2.2611509	21	—	—
175143 2005 EG_{15}	16.4	X	245.65821	195.35212	350.86145	11.47308	0.0778990	0.28571747	2.2830295	21	—	—
175144 2005 EX_{16}	17.5	X	278.37618	245.23713	2.59440	1.78718	0.1703745	0.29786458	2.2205308	21	—	—
175145 2005 EU_{20}	16.5	X	238.04334	339.09375	146.03657	5.62316	0.0706629	0.27574604	2.3377417	21	10 19.8	19.4
175146 2005 ES_{24}	16.8	X	251.63385	218.27215	22.86648	7.34371	0.1011635	0.29371390	2.2414018	21	—	—
175147 2005 EN_{25}	16.5	X	216.25653	287.07630	144.96381	6.67657	0.1052715	0.26333245	2.4106443	21	7 3.3	20.1
175148 2005 EY_{30}	17.0	X	331.30696	197.42292	210.55342	2.32450	0.1654988	0.28024026	2.3126808	21	11 27.6	18.7
175149 2005 EW_{32}	17.3	X	187.57961	344.09206	199.90298	2.57209	0.1398031	0.27562003	2.3384542	21	10 28.1	20.7
175150 2005 EZ_{32}	17.4	X	86.18312	223.16300	0.61052	1.80518	0.1560818	0.26298574	2.4127625	21	9 5.9	20.5
175151 2005 EO_{34}	16.8	X	205.56597	332.70209	301.54384	4.72723	0.0458562	0.29325176	2.2437560	21	—	—
175152 Marthafarkas	16.5	X	54.10937	27.81442	292.31041	6.31371	0.1291205	0.27541446	2.3396176	21	12 1.6	19.6
175153 2005 EL_{38}	16.6	X	264.59919	297.09365	322.08933	5.78653	0.1834477	0.29931734	2.2133400	21	—	—
175154 2005 EH_{47}	17.0	X	147.06345	259.92673	327.49390	2.11123	0.1302847	0.27360079	2.3499456	21	11 11.2	20.7
175155 2005 EX_{54}	16.8	X	353.17860	158.13861	170.85860	2.33007	0.1888558	0.26555215	2.3971921	21	9 6.5	18.4
175156 2005 EU_{60}	17.3	X	336.54977	331.47651	196.18905	3.10747	0.1350551	0.29712444	2.2242169	21	—	—
175157 2005 EC_{61}	17.1	X	96.40413	174.33511	247.92453	3.99614	0.0594233	0.30086247	2.2057555	21	1 10.7	19.4
175158 2005 EM_{66}	16.3	X	54.95372	190.09872	79.50750	11.31233	0.2281374	0.26249850	2.4157473	21	10 15.5	19.6
175159 2005 EE_{68}	17.0	X	291.70070	209.77877	304.97992	5.54679	0.0848917	0.28792618	2.2713389	21	—	—
175160 2005 ES_{68}	16.9	X	187.57326	241.66924	300.30480	4.07881	0.0999035	0.27414262	2.3468483	21	10 26.1	20.2
175161 2005 ES_{71}	16.3	X	68.74815	161.60321	95.19492	6.74830	0.0977430	0.26789751	2.3831805	21	9 24.5	19.4
175162 2005 EX_{79}	16.4	X	261.62795	115.12974	139.07635	4.19177	0.1528992	0.23514954	2.5996006	21	1 3.8	20.5
175163 2005 EM_{86}	16.8	X	194.49650	22.90731	133.47614	7.33058	0.0433583	0.27239069	2.3569003	21	10 10.0	19.9
175164 2005 EN_{86}	17.1	X	180.51999	162.29683	81.93335	2.75035	0.1740275	0.28037629	2.3119327	21	—	—
175165 2005 EO_{86}	16.6	X	222.48232	234.02834	34.43089	4.78770	0.1309844	0.29148910	2.2527924	21	—	—
175166 Adirondack	16.4	X	280.01322	348.45792	285.93279	5.72283	0.2060119	0.24248686	2.5468923	21	2 7.5	20.3
175167 2005 EB_{102}	16.6	X	275.20956	148.23403	105.20074	6.35155	0.1637690	0.29687448	2.2254652	21	1 4.5	20.0
175168 2005 EQ_{118}	16.5	X	291.57439	272.29507	277.77851	4.27174	0.2814802	0.29240155	2.2481033	21	—	—
175169 2005 ES_{119}	16.3	X	287.57135	269.21655	304.58112	7.78803	0.1252912	0.29407746	2.2395541	21	—	—
175170 2005 EG_{129}	17.5	X	3.36233	91.80050	38.88095	1.26641	0.0685596	0.29720148	2.2238325	21	—	—
175171 2005 EN_{136}	17.0	X	220.94550	239.79218	28.02571	3.27972	0.1271895	0.29168841	2.2517661	21	—	—
175172 2005 EU_{138}	17.6	X	226.00561	102.81782	144.09762	1.18350	0.1841634	0.28627114	2.2800848	21	—	—
175173 2005 EJ_{139}	15.3	X	9.02231	154.22473	27.14204	9.18159	0.0391208	0.18033783	3.1027360	21	3 12.2	19.5
175174 2005 EA_{141}	16.8	X	348.15286	168.34554	255.50866	6.16459	0.0762479	0.28612401	2.2808664	21	—	—
175175 2005 EP_{142}	16.7	X	109.44555	237.30296	67.59883	5.04336	0.0880178	0.27803769	2.3248785	21	—	—
175176 2005 EU_{144}	16.0	X	357.51113	274.71760	39.48500	2.55227	0.0566796	0.20274507	2.8696957	21	8 14.3	19.5
175177 2005 EQ_{153}	15.9	X	291.30588	160.88354	76.64292	18.59485	0.1419065	0.23868397	2.5738736	21	1 14.3	19.9
175178 2005 EQ_{154}	17.2	X	346.42142	76.33646	35.45608	2.22919	0.1513480	0.29008293	2.2600667	21	—	—
175179 2005 EC_{160}	16.6	X	0.31553	218.36663	177.23142	7.21020	0.0992241	0.27907032	2.3191399	21	12 25.3	19.2
175180 2005 EZ_{161}	17.1	X	263.37192	186.52051	24.65564	3.15470	0.1393589	0.28880718	2.2667175	21	—	—
175181 2005 ET_{162}	16.2	X	95.30915	244.94205	45.27699	1.81135	0.2126312	0.21245905	2.7815437	21	12 6.7	20.7
175182 2005 EE_{176}	17.0	X	141.23756	5.98365	197.65273	1.54149	0.1727041	0.26827628	2.3809368	21	10 7.3	20.7
175183 2005 EO_{176}	16.2	X	193.06497	278.46451	356.16487	1.44433	0.1952475	0.22503706	2.6769074	21	—	—
175184 2005 EJ_{177}	16.9	X	346.77730	323.46226	24.91128	1.88397	0.1678897	0.26350571	2.4095875	21	9 23.0	18.6
175185 2005 ED_{202}	15.7	X	40.15875	153.23480	86.64459	14.60361	0.1728620	0.25928395	2.4356729	21	7 26.1	18.3
175186 2005 EC_{211}	16.9	X	309.78060	30.51658	215.88848	3.32287	0.1728253	0.24199910	2.5503134	21	2 8.9	20.3
175187 2005 EC_{214}	17.4	X	203.68659	263.01066	275.70862	3.82610	0.1703633	0.27614524	2.3354882	21	11 2.8	20.7
175188 2005 EL_{216}	17.7	X	231.85793	114.36988	14.33478	1.33668	0.1233105	0.27270982	2.3550612	21	10 6.1	20.7
175189 2005 EC_{224}	18.3	X	130.92167	78.91582	169.36673	2.62453	0.3867776	0.33408230	2.0569974	21	12 1.4	22.3
175190 2005 EX_{233}	16.7	X	146.40881	151.42457	101.43935	7.65718	0.0976163	0.27728444	2.3290870	21	12 14.8	20.0
175191 2005 EL_{241}	16.8	X	215.00253	132.33741	112.33199	6.95406	0.0596371	0.29004730	2.2602519	21	—	—
175192 2005 EM_{242}	16.3	X	168.93591	217.54505	56.05687	8.71927	0.1940396	0.28385406	2.2930102	21	—	—
175193 2005 EK_{243}	16.4	X	207.92374	107.52942	69.15837	7.87891	0.0572885	0.27787336	2.3257950	21	11 20.1	19.4
175194 2005 EL_{268}	15.6	X	249.38766	8.86816	1.69079	15.20746	0.1826785	0.25349125	2.4726391	21	5 6.0	19.6
175195 2005 EG_{270}	16.6	X	260.86061	76.03174	85.73320	7.37207	0.0507065	0.28166282	2.3048873	21	—	—
175196 2005 EM_{276}	15.5	X	163.53842	275.95750	72.48988	15.21071	0.1058404	0.23668762	2.5883263	21	1 25.0	19.5
175197 2005 ED_{288}	16.8	X	217.99145	318.49409	309.31477	2.49756	0.1303792	0.29062617	2.2572495	21	—	—
175198 2005 EQ_{290}	17.3	X	116.15706	204.40300	269.86376	2.49147	0.0375048	0.31337091	2.1466616	21	4 20.4	19.6
175199 2005 ER_{305}	17.6	X	342.61026	311.44285	159.87853	3.71253	0.1112136	0.28896385	2.2658981	21	—	—
175200 2005 EV_{315}	16.6	X	10.40415	196.48441	125.53798	2.21069	0.1948154	0.26414021	2.4057272	21	10 7.4	18.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
175201 2005 EZ_{323}	15.8	X	232.54796	7.52795	261.61985	11.37556	0.2160720	0.23064867	2.6333106	21	—	—
175202 2005 FV_1	17.6	X	252.60114	131.20255	76.92777	2.06695	0.1803472	0.28604692	2.2812762	21	—	—
175203 2005 FS_4	16.6	X	80.82167	327.30105	306.25961	5.94967	0.1149788	0.26867010	2.3786096	21	10 28.3	20.0
175204 2005 FT_5	15.4	X	154.35691	118.12525	129.81305	10.08814	0.1047189	0.21410362	2.7672817	21	12 7.7	19.8
175205 2005 GP_2	16.8	X	207.56268	183.01373	123.93333	2.78198	0.0860953	0.29403231	2.2397834	21	1 5.7	19.9
175206 2005 GS_7	15.2	X	289.07487	35.94646	287.32669	10.78602	0.0033441	0.19457481	2.9494767	21	5 24.1	19.5
175207 2005 GR_{13}	15.4	X	340.41520	90.92358	151.05462	11.09918	0.0756849	0.18392455	3.0622660	21	4 15.1	19.5
175208 Vorbourg	16.6	X	261.31832	65.12479	161.60921	2.00493	0.1018910	0.29079947	2.2563526	21	—	—
175209 2005 GD_{28}	17.2	X	305.54196	234.96832	261.00782	2.34769	0.1439552	0.28539449	2.2847516	21	—	—
175210 2005 GE_{28}	16.9	X	335.52931	297.72170	243.22931	2.64202	0.0813654	0.29625823	2.2285503	21	—	—
175211 2005 GR_{28}	16.1	X	276.60852	22.29265	1.77196	4.31534	0.1386721	0.25939849	2.4349558	21	7 8.4	19.1
175212 2005 GD_{30}	16.7	X	292.33744	115.22250	73.11306	5.95137	0.0739430	0.29053361	2.2577289	21	—	—
175213 2005 GS_{32}	16.7	X	321.58887	143.22722	38.10664	5.53457	0.0800642	0.29369462	2.2414999	21	—	—
175214 2005 GN_{33}	16.5	X	325.70372	229.52272	306.26932	4.34270	0.0872397	0.29529792	2.2333791	21	—	—
175215 2005 GT_{38}	16.9	X	337.05088	186.53579	39.43586	2.02640	0.1422502	0.24338083	2.5406517	21	2 26.6	19.7
175216 2005 GR_{51}	16.6	X	281.71885	25.55767	164.40137	7.19442	0.0673279	0.28772884	2.2723774	21	—	—
175217 2005 GA_{59}	16.3	X	155.11768	81.95323	93.26285	11.18322	0.1788456	0.26444993	2.4038484	21	9 19.6	20.4
175218 2005 GX_{62}	16.1	X	306.59691	155.78136	96.66827	7.37222	0.1630299	0.24380612	2.5376963	21	2 17.6	19.5
175219 2005 GY_{64}	15.9	X	198.48242	267.55028	66.32728	12.65507	0.0683189	0.24011203	2.5636581	21	2 12.9	19.8
175220 2005 GM_{77}	16.6	X	310.59210	351.02885	107.49985	6.69318	0.0481645	0.28023547	2.3127072	21	12 31.2	19.2
175221 2005 GF_{80}	16.8	X	262.79827	138.38022	142.69205	4.39570	0.0902991	0.29763985	2.2216484	21	2 1.1	19.8
175222 2005 GZ_{80}	16.8	X	214.14261	19.61715	243.63886	2.61558	0.0466305	0.22576880	2.6711202	21	—	—
175223 2005 GA_{102}	16.8	X	118.86290	140.88934	95.04299	3.26361	0.1349005	0.26707355	2.3880796	21	10 26.6	20.3
175224 2005 GN_{104}	17.1	X	249.71947	172.50275	355.15785	4.12430	0.0792305	0.28012770	2.3133003	21	12 31.5	19.8
175225 2005 GE_{111}	16.4	X	37.20814	175.72392	107.65409	8.56699	0.2268971	0.25788542	2.4444708	21	10 7.3	19.3
175226 2005 GS_{111}	17.3	X	357.02760	207.42373	207.28366	5.84044	0.0793595	0.27815250	2.3242388	21	—	—
175227 2005 GL_{112}	15.8	X	159.98780	219.81791	102.88333	14.73302	0.0398081	0.22892874	2.6464833	21	—	—
175228 2005 GO_{121}	16.6	X	38.75238	184.57377	60.91687	3.16525	0.1315404	0.25360606	2.4718928	21	7 24.5	19.3
175229 2005 GJ_{126}	16.5	X	199.12839	82.64952	112.06643	5.32095	0.1166313	0.27576769	2.3376193	21	11 26.3	19.7
175230 2005 GA_{131}	15.8	X	128.35702	272.37406	27.59448	5.54477	0.0675724	0.21700557	2.7425557	21	—	—
175231 2005 GL_{150}	16.6	X	134.78348	186.95595	69.17823	7.34447	0.1667907	0.27058558	2.3673708	21	12 5.6	20.3
175232 2005 GE_{152}	16.9	X	302.31756	259.91915	225.32562	3.15650	0.0899166	0.28194715	2.3033375	21	—	—
175233 2005 GP_{162}	15.9	X	244.37562	165.43509	82.86256	9.34596	0.1741582	0.22797333	2.6538723	21	—	—
175234 2005 GG_{164}	17.0	X	28.94399	256.07938	25.05568	7.15140	0.0896924	0.25795278	2.4440453	21	8 27.2	19.7
175235 2005 GU_{165}	17.2	X	190.50754	107.62170	36.14988	1.12554	0.1179608	0.26658623	2.3909890	21	9 9.5	20.7
175236 2005 GF_{179}	16.6	X	244.69080	50.30737	143.05348	9.96096	0.1240095	0.28228203	2.3015155	21	—	—
175237 2005 GC_{182}	16.4	X	238.87094	319.92591	288.14308	2.36004	0.2154716	0.22701441	2.6613404	21	—	—
175238 Nguyenhien	16.9	X	354.40053	138.60827	145.68410	1.74669	0.1764980	0.25935720	2.4352142	21	6 23.3	18.9
175239 2005 GA_{213}	16.4	X	297.23305	179.72801	93.40785	3.62032	0.0269080	0.24541877	2.5265673	21	3 24.4	19.7
175240 2005 GC_{215}	16.0	X	293.27197	316.30760	290.65855	3.28149	0.1370770	0.23606877	2.5928478	21	1 28.2	19.6
175241 2005 HQ	16.6	X	194.39560	45.24504	326.99726	2.75155	0.2049706	0.24124309	2.5556387	21	3 25.4	21.0
175242 2005 HP_3	15.6	X	293.40942	350.72399	229.60315	13.38429	0.2128775	0.23107127	2.6300989	21	—	—
175243 2005 JQ_{14}	16.4	X	232.74954	56.02810	118.92457	12.87931	0.1169947	0.27565332	2.3382659	21	12 11.8	19.5
175244 2005 JC_{15}	16.9	X	92.34186	148.11326	125.64357	3.56391	0.1832796	0.26607186	2.3940695	21	11 20.2	20.6
175245 2005 JZ_{15}	17.1	X	272.51835	132.72374	194.80487	2.02191	0.1037263	0.24427800	2.5344272	21	4 21.2	20.5
175246 2005 JS_{17}	16.5	X	288.05997	353.19303	106.40845	7.87157	0.0628992	0.27194881	2.3594527	21	11 26.4	19.2
175247 2005 JS_{21}	17.5	X	218.71005	242.70194	336.36894	0.55866	0.1314894	0.27985929	2.3147792	21	—	—
175248 2005 JF_{26}	16.9	X	280.74217	18.18157	162.60787	5.05477	0.1778326	0.28543818	2.2845185	21	—	—
175249 2005 JE_{28}	16.8	X	103.87209	89.53923	164.72714	3.34821	0.1685962	0.26510431	2.3998910	21	11 5.7	20.4
175250 2005 JS_{29}	15.5	X	158.38341	186.43772	76.67349	10.39352	0.0965470	0.21409660	2.7673422	21	12 28.2	19.8
175251 2005 JQ_{30}	16.5	X	187.46819	317.60281	308.49524	6.07915	0.1109875	0.28257071	2.2999477	21	—	—
175252 2005 JE_{48}	16.2	X	108.42888	307.48601	90.16001	11.04113	0.0931264	0.22837782	2.6507378	21	1 19.2	19.6
175253 2005 JF_{51}	16.6	X	150.64117	266.96361	101.41609	3.81838	0.1216858	0.23116570	2.6293826	21	2 5.7	20.3
175254 2005 JO_{51}	15.7	X	271.02104	230.34516	79.10291	6.08993	0.1273796	0.18006015	3.1059250	21	4 2.7	20.4
175255 2005 JH_{64}	16.8	X	215.18869	97.38476	143.75217	7.36966	0.0841367	0.28236058	2.3010886	21	—	—
175256 2005 JH_{67}	15.2	X	284.56138	225.29877	84.89216	17.95655	0.2015879	0.18125567	3.0922527	21	4 15.4	20.1
175257 2005 JD_{82}	15.6	X	181.12243	207.31200	97.06035	15.21745	0.1487497	0.22405401	2.6847318	21	—	—
175258 2005 JL_{83}	17.4	X	208.37438	24.01409	110.07248	2.15651	0.1307714	0.26560350	2.3968831	21	9 15.5	20.7
175259 Offenberger	15.5	X	208.36465	273.90249	87.40646	10.74811	0.2433035	0.17611993	3.1520786	21	4 3.4	21.1
175260 2005 JS_{93}	16.7	X	84.84341	277.11241	301.78756	1.33495	0.1429515	0.25595963	2.4567167	21	8 25.6	19.8
175261 2005 JY_{100}	15.7	X	34.47789	342.38106	154.18762	15.58070	0.0369760	0.23568911	2.5956315	21	2 3.2	19.1
175262 2005 JE_{102}	16.1	X	168.39099	239.06396	111.36150	10.13422	0.0803877	0.22889557	2.6467390	21	1 30.0	19.9
175263 2005 JG_{112}	16.5	X	112.62373	140.22696	96.18090	11.93286	0.0616917	0.26279555	2.4139265	21	10 19.6	20.0
175264 2005 JK_{112}	16.7	X	98.42704	117.11846	112.32619	8.11116	0.2097224	0.26035227	2.4290053	21	10 6.1	20.5
175265 2005 JU_{114}	16.9	X	108.56181	301.90742	151.47545	0.87377	0.1338156	0.24285227	2.5443368	21	4 5.3	20.3
175266 2005 JY_{127}	15.8	X	292.65967	202.26236	70.41217	13.27738	0.1369471	0.23717562	2.5847747	21	3 8.5	19.7
175267 2005 JF_{136}	15.8	X	254.28579	120.92534	99.79875	8.11837	0.0288846	0.22622128	2.6675572	21	—	—
175268 2005 JP_{140}	15.9	X	211.30131	221.40435	105.20640	11.93904	0.1597774	0.23142265	2.6274360	21	2 17.2	20.3
175269 2005 JU_{144}	17.1	X	93.33053	148.89851	96.88516	2.29988	0.1499212	0.26097144	2.4251618	21	10 13.2	20.5
175270 2005 JL_{145}	16.9	X	161.40938	118.60379	89.36535	3.26233	0.1289368	0.26784890	2.3834688	21	11 1.9	20.6
175271 2005 JY_{145}	16.8	X	212.17385	230.92360	283.49062	2.96162	0.0904963	0.26903403	2.3764640	21	10 18.9	20.1
175272 2005 JP_{157}	15.8	X	290.81608	316.24220	4.18064	1.69115	0.1791217	0.18355099	3.0664195	21	4 28.3	20.0
175273 2005 JN_{158}	17.2	X	310.74600	88.02612	127.77635	6.79682	0.0886174	0.29475275	2.2361322	21	1 3.5	20.0
175274 2005 JA_{159}	17.0	X	249.28547	63.49464	90.86302	4.37830	0.0776248	0.27812836	2.3243733	21	12 11.9	19.8
175275 2005 JE_{178}	16.3	X	117.90721	232.63344	79.97000	5.87500	0.1768906	0.21331601	2.7740892	21	—	—
175276 2005 JD_{179}	15.7	X	66.53940	253.30504	85.05630	7.46788	0.0587071	0.21148058	2.7901168	21	12 18.6	19.6
175277 2005 JB_{180}	15.8	X	251.26235	217.23552	133.17096	30.73349	0.1298395	0.24298418	2.5434159	21	5 5.4	20.3
175278 2005 KM_3	16.4	X	75.80887	248.20821	130.40313	2.36413	0.0830487	0.22126176	2.7072715	21	—	—
175279 2005 KL_6	16.2	X	323.26985	345.95830	220.85898	2.98262	0.1728470	0.23470497	2.6028823	21	1 8.5	19.6
175280 2005 KZ_6	16.3	X	80.92583	219.45221	42.45793	6.59801	0.1020831	0.26133351	2.4229213	21	10 14.7	19.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
175281 Kolonics	15.7	X	295.68723	229.16576	134.21532	10.81654	0.1069883	0.19191091	2.9767082	21	7 10.7	19.7
175282 Benhida	16.0	X	212.41425	180.63940	103.88991	8.76540	0.1922527	0.22316366	2.6918678	21	—	—
175283 2005 LJ	16.3	X	163.19607	184.21255	156.58368	6.27843	0.0615008	0.22593459	2.6698133	21	1 9.6	20.1
175284 2005 LP_2	16.3	X	53.84237	104.77856	167.77145	6.91974	0.1251751	0.25733223	2.4479728	21	9 25.8	19.1
175285 2005 LX_3	16.3	X	196.44942	141.93552	177.73127	2.13621	0.1693500	0.22645983	2.6656836	21	1 24.8	20.7
175286 2005 LL_9	17.2	X	151.41129	25.68716	172.34298	2.51374	0.1345564	0.26447895	2.4036726	21	10 9.4	20.9
175287 2005 LM_{11}	15.8	X	338.05194	204.29765	277.36758	6.00061	0.0807385	0.21394503	2.7686491	21	—	—
175288 2005 LD_{12}	17.1	X	224.70307	89.16477	122.64292	3.15112	0.1104636	0.27958315	2.3163031	21	—	—
175289 2005 LX_{20}	15.9	X	43.17545	344.49941	89.02282	15.75078	0.2608744	0.22564484	2.6720984	21	—	—
175290 2005 LK_{21}	17.3	X	114.32577	0.30388	206.05942	0.76413	0.1411121	0.25980379	2.4324228	21	9 11.9	20.9
175291 2005 LF_{22}	16.8	X	274.53159	178.51031	146.88887	3.90301	0.1507019	0.24260339	2.5460766	21	4 16.1	20.3
175292 2005 LY_{22}	15.4	X	240.98601	244.91048	94.80925	2.98918	0.1874966	0.17082737	3.2168520	21	4 2.9	20.6
175293 2005 LD_{23}	15.6	X	312.81847	201.22109	292.46606	8.08850	0.0973242	0.21226896	2.7832041	21	—	—
175294 2005 LR_{26}	16.4	X	34.85714	357.66575	113.67915	5.78857	0.0790614	0.22183406	2.7026132	21	1 5.7	19.7
175295 2005 LW_{27}	15.9	X	264.89144	198.54141	135.67832	5.85319	0.1533557	0.18193264	3.0845772	21	4 22.4	20.6
175296 2005 LG_{30}	15.8	X	258.03536	64.81374	276.39123	3.16778	0.2453467	0.17331882	3.1859496	21	4 11.8	21.0
175297 2005 LL_{35}	16.8	X	318.26661	56.01884	197.89575	1.68984	0.1674764	0.23483059	2.6019539	21	3 4.6	20.2
175298 2005 LK_{37}	16.4	X	287.14968	10.63170	258.82735	3.05488	0.0705845	0.23711542	2.5852121	21	2 25.7	19.8
175299 2005 LR_{42}	17.0	X	243.82514	334.67196	196.61766	2.31448	0.1685221	0.27787075	2.3258096	21	12 12.8	19.5
175300 2005 LD_{44}	14.6	X	272.02554	69.34447	246.84446	25.57067	0.1622338	0.17859314	3.1229104	21	3 28.4	19.8
175301 2005 LC_{47}	14.9	X	279.61776	71.23868	302.96280	21.79111	0.1091729	0.18049414	3.1009444	21	7 5.8	19.3
175302 2005 LU_{48}	17.0	X	173.52292	297.15641	213.76081	3.42081	0.0670694	0.26040795	2.4286591	21	8 30.5	20.5
175303 2005 LL_{50}	16.8	X	109.40071	157.97996	92.44116	1.23170	0.0968166	0.26403450	2.4063692	21	10 31.4	20.2
175304 2005 MC_3	15.2	X	317.34526	210.10263	126.34930	17.11644	0.2290037	0.18177659	3.0863422	21	6 21.4	19.1
175305 2005 MM_3	15.9	X	238.90477	212.02702	127.83936	13.71549	0.1366323	0.23690112	2.5867709	21	4 2.7	20.1
175306 2005 MC_6	15.9	X	158.43903	176.24709	129.24613	9.89611	0.1333709	0.21823612	2.7322365	21	—	—
175307 2005 MR_6	16.2	X	235.89853	188.29331	98.43812	3.03450	0.0360966	0.22439145	2.6820396	21	1 25.7	20.1
175308 2005 ME_7	16.8	X	109.24919	148.53000	87.64586	2.38265	0.1477991	0.26189505	2.4194567	21	10 17.3	20.3
175309 2005 MK_7	16.9	X	239.60899	11.67908	125.57162	1.92453	0.1308003	0.26921781	2.3753823	21	10 26.9	19.8
175310 2005 MA_{10}	15.2	X	178.29028	277.89168	312.20691	12.99861	0.1316062	0.20402033	2.8577249	21	12 4.4	19.9
175311 2005 MO_{10}	15.8	X	285.57304	279.71206	233.06138	13.63839	0.0492333	0.21726888	2.7403395	21	—	—
175312 2005 MW_{11}	16.0	X	342.36511	171.17763	151.10786	0.34675	0.1416399	0.18453980	3.0554559	21	7 27.2	19.3
175313 2005 MF_{15}	15.2	X	276.98065	94.51535	204.65837	1.84788	0.1447867	0.16994556	3.2279700	21	3 23.4	20.0
175314 2005 MN_{15}	15.9	X	209.87013	0.68312	292.15425	5.09851	0.0502272	0.21827332	2.7319261	21	1 4.6	19.9
175315 2005 ME_{19}	16.9	X	45.54787	346.20722	153.25954	4.37078	0.0936451	0.29679025	2.2258862	21	2 11.7	18.9
175316 2005 MO_{24}	15.8	X	306.85855	58.63783	126.36232	12.74000	0.0645659	0.21791504	2.7349197	21	—	—
175317 2005 MT_{24}	16.4	X	109.88055	330.39143	247.49737	2.47429	0.3191934	0.25569989	2.4583800	21	10 4.0	20.6
175318 2005 MF_{26}	16.1	X	157.59627	229.80679	133.66727	4.96784	0.1109787	0.22798031	2.6538181	21	2 5.8	19.8
175319 2005 ML_{32}	15.3	X	339.29984	270.50048	56.19760	7.90001	0.1255566	0.18436159	3.0574246	21	7 31.3	19.0
175320 2005 MC_{35}	15.7	X	283.48253	277.85060	123.32317	10.92685	0.1087324	0.18630072	3.0361719	21	8 13.4	19.9
175321 2005 MQ_{35}	16.1	X	170.23005	321.31466	311.99259	2.63767	0.0600074	0.20965098	2.8063260	21	—	—
175322 2005 MV_{37}	16.3	X	58.43968	106.52820	217.11933	1.20650	0.0143695	0.19786796	2.9166595	21	11 12.0	20.1
175323 2005 MZ_{37}	15.4	X	13.67694	197.51202	135.10484	8.66882	0.0659971	0.19106625	2.9854747	21	10 3.8	19.3
175324 2005 MR_{39}	15.4	X	300.08796	24.98908	294.58700	7.90785	0.1032727	0.17665134	3.1457540	21	5 19.9	19.8
175325 2005 NP_3	15.3	X	219.44416	274.16594	140.37421	5.88514	0.0615070	0.17765736	3.1338671	21	6 18.7	20.0
175326 2005 NC_5	15.8	X	233.47641	4.81184	124.38501	9.42514	0.0208256	0.19527812	2.9423906	21	10 17.8	20.0
175327 2005 NK_6	16.1	X	214.48049	354.75022	263.80597	3.33313	0.0961292	0.21615532	2.7497429	21	—	—
175328 2005 NL_{16}	15.3	X	315.92318	169.45608	93.15651	6.34402	0.1764281	0.17308498	3.1888185	21	3 24.8	19.6
175329 2005 NQ_{24}	15.7	X	73.57765	2.49344	293.52579	8.61134	0.0676971	0.19654334	2.9297495	21	10 31.3	20.0
175330 2005 NX_{32}	15.8	X	153.43947	321.67060	292.99034	4.58292	0.1301144	0.20549465	2.8440400	21	12 11.5	20.4
175331 2005 NW_{33}	16.0	X	282.33964	102.25224	313.09128	1.18498	0.0333836	0.18952832	3.0016034	21	9 9.2	20.1
175332 2005 NB_{35}	16.8	X	310.07534	106.25836	106.29700	5.07049	0.0543662	0.22371207	2.6874668	21	1 19.5	20.3
175333 2005 NQ_{36}	15.9	X	295.57187	24.12170	119.25512	4.72293	0.0409465	0.20957112	2.8070389	21	—	—
175334 2005 NZ_{37}	15.5	X	220.56381	290.50873	137.85298	10.82928	0.0739223	0.17982768	3.1086013	21	7 5.9	20.2
175335 2005 NL_{39}	15.0	X	20.35084	340.61643	338.17372	9.49226	0.1009338	0.19214101	2.9743312	21	9 23.2	18.7
175336 2005 NU_{40}	16.0	X	358.32819	94.93054	271.14612	4.07638	0.0729805	0.19551596	2.9400039	21	10 20.6	19.8
175337 2005 NZ_{45}	16.1	X	0.11125	153.47421	156.54387	2.26497	0.0419920	0.18492918	3.0511654	21	8 9.8	20.1
175338 2005 NA_{59}	15.6	X	308.08615	276.68433	117.04532	6.29685	0.0997080	0.18932811	3.0037191	21	9 11.6	19.4
175339 2005 NC_{67}	16.2	X	357.97511	326.29149	285.60921	5.16227	0.1873624	0.23992038	2.5650232	21	5 7.8	18.5
175340 2005 NX_{70}	16.3	X	114.61712	85.72643	121.19033	6.22944	0.1404170	0.25860065	2.4399615	21	9 15.4	19.9
175341 2005 NK_{74}	16.2	X	169.94925	112.21205	124.05452	3.08233	0.0265696	0.20391832	2.8586778	21	12 9.7	20.3
175342 2005 NS_{80}	16.2	X	109.34571	101.93066	180.45294	10.26468	0.1549576	0.26387954	2.4073112	21	12 14.1	20.1
175343 2005 NU_{87}	16.3	X	15.28354	129.68592	246.05470	0.95640	0.0192759	0.20044183	2.8916372	21	11 23.3	20.0
175344 2005 NJ_{91}	16.5	X	8.75269	296.72797	284.35320	3.17441	0.2303405	0.23819946	2.5773627	21	4 11.0	18.5
175345 2005 NP_{108}	16.0	X	25.81762	62.26839	278.33754	0.83263	0.0607258	0.19643621	2.9308147	21	10 27.7	19.8
175346 2005 NK_{122}	15.2	X	73.87599	329.36257	300.40573	8.91937	0.0459162	0.19051986	2.9911800	21	9 23.6	19.5
175347 2005 NV_{122}	15.2	X	148.75220	149.43484	314.72795	8.47277	0.0543177	0.17505836	3.1648088	21	5 30.9	20.0
175348 2005 OO_2	14.1	X	273.55163	50.63190	264.99573	21.69910	0.1132170	0.17050693	3.2208811	21	4 4.4	19.3
175349 2005 OA_6	15.6	X	110.81317	146.51008	125.27663	4.67344	0.0775530	0.19630553	2.9321152	21	11 18.5	20.0
175350 2005 OM_7	14.2	X	339.60202	98.38115	263.27839	4.38164	0.2478512	0.12300501	4.0042470	21	8 30.6	18.6
175351 2005 OR_7	13.9	X	351.44805	26.32355	319.21126	7.91591	0.2490133	0.12573597	3.9460541	21	9 5.4	18.0
175352 2005 OO_8	15.2	X	274.01261	94.04820	296.23130	14.62020	0.0729315	0.18252003	3.0779557	21	7 21.6	19.5
175353 2005 OH_{11}	15.5	X	217.10267	100.28595	126.39352	8.76421	0.1465270	0.20935229	2.8089946	21	—	—
175354 2005 OS_{15}	14.9	X	146.59649	210.68266	282.40553	20.59628	0.0614807	0.17958253	3.1114297	21	7 5.4	19.3
175355 2005 PR_{19}	14.5	X	341.99981	224.85972	122.86272	1.83535	0.2967695	0.12254734	4.0142102	21	8 16.5	18.3
175356 2005 QK	15.1	X	185.21886	157.78385	330.75860	16.40664	0.1369113	0.18050219	3.1008522	21	8 12.4	20.1
175357 2005 QB_1	15.7	X	194.34843	171.46591	151.76455	14.76545	0.0897250	0.21934103	2.7230532	21	1 24.8	20.0
175358 2005 QT_{26}	15.3	X	10.52852	239.06360	36.75094	5.47429	0.1303731	0.17665373	3.1457256	21	7 15.4	19.0
175359 2005 QB_{53}	16.0	X	95.06044	332.79671	207.85281	1.08921	0.0081728	0.17599397	3.1535824	21	6 26.9	20.3
175360 2005 QN_{57}	15.3	X	338.28993	1.85658	282.66614	4.46583	0.1048396	0.17529789	3.1619252	21	5 31.8	19.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
175361 2005 QM_{61}	15.4	X	110.06544	261.76062	306.71561	8.71202	0.0497059	0.18306029	3.0718968	21	8 24.1	19.8
175362 2005 QD_{101}	15.7	X	43.30440	355.58116	256.75794	3.79444	0.1008702	0.18016024	3.1047746	21	8 1.4	19.8
175363 2005 QX_{114}	15.1	X	41.64072	119.92907	133.62957	1.74634	0.1330413	0.17760348	3.1345009	21	8 5.9	18.9
175364 2005 QY_{122}	16.2	X	75.30418	88.24754	185.71823	1.47335	0.0735861	0.18886623	3.0086142	21	10 9.3	20.4
175365 Carsac	15.0	X	49.52378	105.70873	352.04271	9.36970	0.0209254	0.15169576	3.4819331	21	1 26.3	19.9
175366 2005 QQ_{147}	14.9	X	308.11401	265.55296	44.12866	9.37575	0.0347992	0.17418913	3.1753287	21	5 28.2	19.2
175367 2005 QF_{165}	15.0	X	353.54713	227.64040	79.62506	6.41812	0.1196208	0.17819770	3.1275288	21	7 28.5	18.7
175368 2005 RD_{16}	16.1	X	113.03910	15.27552	188.40733	1.11315	0.1098989	0.18296313	3.0729842	21	8 29.9	20.7
175369 2005 RX_{27}	15.6	X	43.01300	337.84837	299.62851	3.34322	0.1241084	0.18486939	3.0518233	21	9 6.5	19.5
175370 2005 SH_{116}	15.3	X	54.87602	303.56643	328.82196	3.74720	0.2031987	0.18423618	3.0588119	21	9 28.5	19.4
175371 2005 SP_{165}	14.7	X	8.35294	310.17776	21.12716	3.85125	0.1290421	0.12165370	4.0338447	21	9 17.8	19.7
175372 2005 SM_{201}	15.0	X	254.51016	42.36098	90.95767	1.64873	0.1748894	0.12541563	3.9527705	21	10 15.3	20.6
175373 2005 SR_{223}	16.0	X	40.15548	213.19543	29.38693	0.72972	0.1130867	0.17387168	3.1791924	21	7 17.4	19.9
175374 2005 SX_{243}	15.8	X	117.18180	286.45049	298.03016	1.58196	0.0304500	0.18752749	3.0229161	21	9 21.3	20.2
175375 2005 TY_{18}	15.5	X	63.17728	289.77952	291.26133	1.34127	0.1569368	0.17478010	3.1681669	21	7 29.2	19.7
175376 2005 TT_{71}	15.4	X	328.31177	236.65239	75.81137	7.28856	0.2122770	0.17801570	3.1296601	21	6 9.0	18.8
175377 2005 TA_{108}	15.2	X	32.45646	304.55551	288.80540	5.12103	0.1414999	0.17186720	3.2038638	21	6 25.7	18.9
175378 2005 UN_{114}	14.9	X	191.15502	53.37434	69.17617	17.19076	0.0848981	0.17077972	3.2174504	21	8 15.8	20.1
175379 2005 UE_{495}	14.9	X	334.10140	180.77375	137.68732	11.20033	0.1983554	0.17712201	3.1401786	21	6 30.8	18.5
175380 2006 HE_{103}	16.5	X	111.12955	204.06060	92.88813	11.19183	0.2179224	0.28797615	2.2710762	21	—	—
175381 2006 HA_{122}	16.0	X	99.30204	175.82805	103.51809	8.58437	0.1613332	0.21838660	2.7309813	21	11 26.2	20.3
175382 2006 JM_{15}	17.0	X	266.20090	261.35514	62.09561	3.67013	0.1853122	0.25881330	2.4386248	21	3 30.2	20.6
175383 2006 JQ_{44}	16.3	X	171.69218	248.63133	84.45244	12.72214	0.2705497	0.23881513	2.5729311	21	1 25.9	20.8
175384 2006 KF_{79}	16.7	X	3.41807	168.91190	139.42063	2.95631	0.2032046	0.26372798	2.4082334	21	8 29.6	18.3
175385 2006 KA_{101}	16.5	X	301.70159	253.56349	123.32275	3.23730	0.1874464	0.26237553	2.4165020	21	7 28.6	18.8
175386 2006 LN_{4}	15.7	X	110.84718	35.70777	276.24135	12.42933	0.2050150	0.21891259	2.7266050	21	—	—
175387 2006 LF_{7}	16.0	X	341.67251	7.23949	315.21387	6.69779	0.2145345	0.26238599	2.4164378	21	7 25.6	17.4
175388 2006 LR_{7}	15.5	X	198.73943	357.25042	0.14770	13.74933	0.2674276	0.24093764	2.5577982	21	3 13.9	20.1
175389 2006 MQ_{3}	16.4	X	331.59882	196.13319	141.16214	2.02084	0.2051920	0.26079957	2.4262272	21	7 24.9	18.4
175390 2006 MN_{6}	16.0	X	359.61511	275.21803	114.78026	8.98015	0.1457222	0.21075239	2.7965401	21	12 5.7	19.2
175391 2006 MP_{9}	16.3	X	296.83660	95.54532	221.38248	2.34004	0.2435935	0.25370610	2.4712429	21	4 15.6	19.8
175392 2006 MH_{14}	15.5	X	24.37247	349.44855	19.93209	14.20256	0.2419279	0.20978142	2.8051626	21	12 31.2	19.3
175393 2006 MM_{14}	15.0	X	94.47929	25.95887	315.32349	14.37266	0.2357234	0.21677567	2.7444944	21	—	—
175394 2006 MD_{15}	14.6	X	167.65409	242.89590	102.50628	18.80470	0.2101231	0.16962722	3.2320075	21	2 11.9	20.1
175395 2006 NY	15.5	X	188.79406	323.14352	49.49816	18.16565	0.1954185	0.24047747	2.5610602	21	3 30.7	20.0
175396 2006 OH_{2}	15.1	X	58.00096	32.64892	322.47771	17.17299	0.2262601	0.21297506	2.7770490	21	—	—
175397 2006 OS_{6}	15.6	X	225.12680	298.74733	11.74991	11.01656	0.1489070	0.23045403	2.6347930	21	2 11.9	20.0
175398 2006 OJ_{7}	15.6	X	62.55231	81.32736	312.31901	12.10529	0.2350909	0.21847728	2.7302256	21	—	—
175399 2006 OM_{7}	16.9	X	43.71915	298.77054	314.07420	1.62684	0.1766963	0.26256703	2.4153269	21	8 20.5	19.4
175400 2006 OT_{7}	16.8	X	347.96443	67.67346	267.51563	3.58386	0.2487690	0.26508366	2.4000157	21	9 2.9	18.2
175401 2006 OA_{9}	16.8	X	323.79939	31.23318	303.29925	1.29712	0.1827361	0.26006954	2.4307655	21	7 5.8	18.7
175402 2006 OL_{10}	16.9	X	112.80471	25.50810	284.07929	6.33668	0.1473569	0.28334905	2.2957338	21	—	—
175403 2006 OA_{11}	16.7	X	339.59614	322.99445	9.96455	1.36243	0.2091767	0.26219724	2.4175973	21	8 8.1	18.2
175404 2006 OV_{11}	15.6	X	33.97952	76.63574	288.39599	5.94137	0.0940825	0.21104667	2.7939398	21	12 16.2	19.2
175405 2006 OL_{12}	17.1	X	92.07031	25.97740	295.56874	4.65320	0.1832446	0.28252273	2.3002081	21	—	—
175406 2006 OL_{14}	17.3	X	142.94534	177.66527	116.42736	3.02489	0.1690916	0.28738220	2.2742043	21	—	—
175407 2006 OH_{16}	15.8	X	330.00006	334.26855	309.18556	5.68840	0.1547294	0.18797687	3.0180964	21	5 8.2	19.5
175408 2006 OZ_{16}	16.6	X	212.51769	240.96948	137.25614	7.36620	0.1849668	0.24538892	2.5267722	21	4 20.7	20.8
175409 2006 OS_{18}	15.9	X	145.66558	287.20287	84.84425	13.86337	0.2879028	0.23223631	2.6212954	21	2 25.9	20.5
175410 Tsayweanshun	16.5	X	77.42761	19.28606	324.37078	9.00025	0.1431134	0.28222675	2.3018160	21	—	—
175411 Yilan	16.4	X	29.27833	138.08066	115.74086	1.84173	0.1690510	0.26098420	2.4250828	21	7 24.2	18.6
175412 2006 PA_{9}	16.6	X	308.86025	104.24513	223.00450	1.42462	0.2194834	0.25589757	2.4571138	21	5 21.1	19.3
175413 2006 PH_{9}	16.9	X	320.40689	56.47143	307.51568	1.56432	0.1872532	0.26268055	2.4146310	21	8 15.1	18.7
175414 2006 PF_{11}	16.7	X	91.82016	276.39520	334.50741	2.16200	0.1784002	0.27115015	2.3640835	21	10 20.1	20.2
175415 2006 PS_{12}	16.7	X	330.27856	171.88414	165.31128	2.54051	0.2040672	0.26036625	2.4289184	21	7 21.3	18.6
175416 2006 PA_{14}	16.5	X	38.05466	308.71534	31.24438	7.57798	0.1227539	0.27435468	2.3456388	21	12 5.6	19.4
175417 2006 PU_{14}	16.3	X	36.59062	293.41946	335.07416	4.64337	0.1545783	0.26398463	2.4066722	21	8 28.2	18.7
175418 2006 PP_{15}	15.5	X	231.99289	229.60515	62.60576	2.09360	0.1361617	0.17026503	3.2239310	21	2 1.7	20.7
175419 Albiesachs	15.7	X	266.03097	146.49638	163.93893	5.60057	0.1293222	0.17809810	3.1286947	21	3 27.4	20.3
175420 2006 PT_{20}	16.3	X	164.41521	42.63548	265.46729	2.22805	0.0856464	0.22765278	2.6563630	21	—	—
175421 2006 PB_{22}	16.6	X	85.76642	165.72313	80.06485	3.15868	0.1775456	0.26940297	2.3742938	21	10 9.3	20.0
175422 2006 PY_{23}	16.9	X	52.22924	288.70092	46.03232	2.62320	0.1516810	0.27651249	2.3334198	21	12 22.4	19.8
175423 2006 PO_{26}	16.9	X	44.65638	241.78504	82.63671	3.32803	0.2176991	0.27255163	2.3559724	21	12 8.4	20.0
175424 2006 PY_{29}	16.6	X	340.02302	279.05991	77.53264	7.00797	0.1264592	0.26680707	2.3896694	21	9 25.4	18.9
175425 2006 PF_{30}	15.7	X	128.07067	344.59237	354.11145	3.48704	0.2523626	0.21995217	2.7180069	21	—	—
175426 2006 PC_{32}	16.1	X	67.73765	229.60855	153.12684	6.53616	0.0386649	0.22202470	2.7010660	21	—	—
175427 2006 QN_{3}	16.0	X	50.45318	133.87743	217.21647	0.63414	0.2670425	0.21003168	2.8029338	21	—	—
175428 2006 QW_{8}	15.4	X	263.58788	10.77500	332.62600	8.24876	0.0591734	0.18184179	3.0856044	21	5 8.3	19.9
175429 2006 QC_{10}	15.1	X	243.72317	41.40694	338.75560	16.36338	0.2008827	0.18196558	3.0842049	21	5 14.7	20.4
175430 2006 QU_{16}	16.0	X	328.45220	238.93371	89.58472	2.36961	0.1986458	0.25937754	2.4350869	21	7 3.7	18.1
175431 2006 QS_{20}	17.1	X	146.41148	335.60580	325.56538	6.00512	0.1919295	0.28626005	2.2801437	21	—	—
175432 2006 QP_{25}	16.6	X	138.70762	232.02502	140.06698	1.44497	0.1502905	0.22756975	2.6570090	21	1 31.3	20.4
175433 2006 QS_{25}	15.2	X	189.99548	13.44968	24.45624	5.44980	0.1931898	0.17372618	3.1809672	21	4 26.3	20.4
175434 2006 QV_{26}	16.7	X	260.29345	193.81384	126.61677	6.19179	0.1904213	0.24260234	2.5460840	21	3 22.6	20.7
175435 2006 QV_{29}	16.3	X	358.21159	259.56235	58.80649	3.43571	0.1654959	0.26134081	2.4228762	21	9 1.2	18.3
175436 2006 QW_{29}	16.4	X	320.98901	303.37083	17.52476	3.56015	0.2350586	0.25811154	2.4430430	21	5 29.0	18.7
175437 Zsivótzky	15.9	X	24.69959	225.68855	152.38513	8.72605	0.2358488	0.21001301	2.8031000	21	—	—
175438 2006 QX_{31}	16.2	X	326.89391	66.08186	292.84838	5.35756	0.1681294	0.26228815	2.4170387	21	8 21.8	18.4
175439 2006 QJ_{32}	15.7	X	245.60567	56.16649	329.73093	16.10749	0.2598159	0.18275354	3.0753333	21	5 19.7	21.1
175440 2006 QR_{32}	14.9	X	190.37227	61.98810	344.58367	17.54460	0.2112092	0.17457690	3.1706249	21	4 29.7	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
175441 2006 QH_{41}	15.3	X	227.53198	212.84150	123.82374	9.11476	0.1676528	0.17587951	3.1549506	21	3 21.3	20.5
175442 2006 QU_{43}	16.1	X	109.76537	265.72669	92.51647	5.03749	0.1868266	0.22467881	2.6797522	21	—	—
175443 2006 QR_{45}	16.3	X	95.76096	164.78461	141.54721	3.00336	0.2298684	0.27625693	2.3348586	21	—	—
175444 2006 QY_{47}	15.8	X	10.21738	350.95209	344.16273	22.77801	0.0723656	0.26610826	2.3938512	21	9 29.9	18.8
175445 2006 QO_{48}	16.1	X	202.61625	330.38765	352.97431	9.31355	0.2358649	0.23181729	2.6244532	21	2 6.9	20.7
175446 2006 QJ_{49}	16.2	X	346.44425	253.93026	47.37602	6.89808	0.1523250	0.25695714	2.4503545	21	7 5.3	18.4
175447 2006 QP_{49}	16.2	X	14.33125	165.13258	198.57112	6.53208	0.1415613	0.27203821	2.3589358	21	12 7.9	18.8
175448 2006 QY_{50}	16.0	X	123.68470	301.13137	34.24145	3.57600	0.2138536	0.21995247	2.7180044	21	—	—
175449 2006 QG_{58}	16.0	X	193.04645	50.43059	276.90484	10.97349	0.1790569	0.23261560	2.6184452	21	1 28.4	20.3
175450 Phillipklu	16.9	X	338.96991	183.55206	101.54326	6.49484	0.0749875	0.25189107	2.4830999	21	6 2.6	19.7
175451 Linchisheng	15.4	X	257.00154	224.61573	68.73791	6.27315	0.1212422	0.17232258	3.1982169	21	3 1.5	20.3
175452 Chenggong	16.9	X	160.79923	208.53099	111.54671	7.11257	0.1770726	0.29087674	2.2559531	21	—	—
175453 2006 QU_{61}	14.6	X	175.84941	91.62320	326.58925	24.62940	0.2887567	0.17384364	3.1795343	21	4 30.2	20.8
175454 2006 QY_{62}	16.5	X	16.16450	346.58289	315.84220	5.56541	0.1301679	0.26281960	2.4137793	21	9 5.8	18.8
175455 2006 QG_{84}	16.0	X	144.30637	121.40994	134.77072	3.27059	0.0319551	0.21163662	2.7887452	21	12 5.9	19.9
175456 2006 QD_{85}	16.7	X	199.80642	152.08975	332.17917	4.61256	0.1721924	0.26098423	2.4250826	21	8 20.7	20.5
175457 2006 QO_{85}	16.7	X	131.91965	71.44680	153.58643	3.37626	0.1776053	0.27334783	2.3513952	21	10 27.6	20.4
175458 2006 QF_{90}	16.5	X	39.17724	58.33938	301.96942	6.55786	0.1342415	0.27750504	2.3278525	21	—	—
175459 2006 QH_{92}	16.6	X	14.86021	50.43717	298.05118	3.29048	0.0672964	0.27181331	2.3602368	21	11 4.1	19.2
175460 2006 QV_{93}	15.1	X	300.39956	118.08119	242.83192	5.15075	0.3156524	0.12471931	3.9674695	21	6 13.3	20.5
175461 2006 QE_{96}	15.7	X	107.26666	83.32127	27.05645	13.95502	0.0370101	0.24247377	2.5469839	21	4 12.3	19.0
175462 2006 QC_{99}	16.4	X	354.51900	331.71808	17.10747	6.66056	0.1399874	0.26554154	2.3972560	21	10 8.8	18.5
175463 2006 QA_{101}	14.8	X	233.26031	21.07151	351.54611	18.60885	0.2122207	0.17715406	3.1397999	21	4 23.7	20.3
175464 2006 QS_{111}	15.2	X	317.92636	0.46068	303.67928	7.88697	0.0849259	0.18454676	3.0553791	21	5 27.5	19.3
175465 2006 QT_{114}	15.8	X	77.56696	178.78962	206.93253	7.28932	0.3075772	0.21804065	2.7338693	21	—	—
175466 2006 QA_{116}	15.7	X	232.22488	92.36355	321.44792	15.43900	0.2070468	0.18474380	3.0532062	21	6 20.4	20.9
175467 2006 QE_{122}	17.1	X	272.98879	357.33185	290.12654	5.15408	0.1244689	0.30721895	2.1752243	21	2 15.1	19.9
175468 2006 QM_{122}	15.5	X	305.28548	293.36133	331.59300	14.46012	0.0666775	0.24048225	2.5610262	21	3 12.6	19.0
175469 2006 QD_{127}	14.6	X	192.90507	42.31452	0.62693	20.41444	0.2455250	0.17737810	3.1371555	21	4 26.9	20.3
175470 2006 QY_{133}	16.4	X	202.18729	43.58554	57.47930	3.61623	0.1078581	0.25624258	2.4549078	21	7 27.8	19.9
175471 2006 QA_{138}	13.0	X	46.93866	200.32447	171.44550	4.40555	0.0380743	0.08295200	5.2069669	21	12 8.2	19.8
175472 2006 QO_{138}	16.2	X	332.88838	251.01955	56.54114	6.82950	0.2018449	0.25696534	2.4503024	21	6 7.8	18.3
175473 2006 QU_{148}	16.8	X	234.61681	219.13950	133.11912	4.75507	0.1678925	0.24254703	2.5464710	21	4 8.2	20.8
175474 2006 QC_{149}	16.1	X	86.36767	306.73030	20.71076	5.07515	0.1602036	0.21189590	2.7864699	21	—	—
175475 2006 QA_{166}	15.3	X	262.84739	113.09525	203.55621	9.33589	0.0974701	0.17591723	3.1544995	21	4 2.6	20.0
175476 Macheret	16.1	X	219.84851	3.15922	326.97158	5.67021	0.1268178	0.23551939	2.5968783	21	2 25.7	20.0
175477 2006 RG_{6}	16.1	X	83.19599	312.54657	24.38910	3.85645	0.0952638	0.20978472	2.8051332	21	—	—
175478 2006 RN_{7}	16.6	X	248.97831	198.14956	136.32735	9.68221	0.2566522	0.24348046	2.5399586	21	3 25.6	21.0
175479 2006 RK_{16}	15.7	X	231.61010	0.38201	315.48646	12.32121	0.1943041	0.23689631	2.5868060	21	2 16.2	19.9
175480 2006 RE_{23}	15.8	X	358.83093	39.60828	355.67994	8.20892	0.1211860	0.20562170	2.8428683	21	12 4.6	19.3
175481 2006 RK_{26}	15.6	X	57.77309	262.72906	110.98721	6.19048	0.0363976	0.21326745	2.7745102	21	—	—
175482 2006 RT_{26}	16.0	X	126.94257	342.47340	25.25403	4.67149	0.1256292	0.22314527	2.6920157	21	1 10.9	19.7
175483 2006 RU_{26}	15.3	X	213.95230	276.53824	118.41472	12.43442	0.2223401	0.17758734	3.1346909	21	5 15.7	20.8
175484 2006 RV_{30}	15.2	X	264.49676	45.83387	313.68715	10.29601	0.1629291	0.18278396	3.0749920	21	5 16.8	20.0
175485 2006 RE_{31}	15.9	X	53.85982	142.66672	234.40874	2.73561	0.1823401	0.21163480	2.7887612	21	—	—
175486 2006 RE_{35}	16.1	X	113.52151	63.40748	286.36331	7.72541	0.1305892	0.21930432	2.7233571	21	—	—
175487 2006 RW_{35}	15.0	X	247.82787	337.73995	7.88064	5.26737	0.1240661	0.17592473	3.1544098	21	4 18.6	19.8
175488 2006 RG_{39}	14.9	X	164.64720	77.72121	359.01509	15.68975	0.0729432	0.17427553	3.1742790	21	5 11.2	20.0
175489 2006 RF_{40}	16.6	X	105.84150	207.41111	80.11583	3.77650	0.1562633	0.27492925	2.3423696	21	12 18.4	20.2
175490 2006 RL_{45}	16.3	X	37.15071	79.82271	169.73288	6.22635	0.0700093	0.25237335	2.4799355	21	7 17.2	19.2
175491 2006 RQ_{46}	17.2	X	158.39934	66.34781	135.71997	1.81677	0.1262564	0.26559704	2.3969219	21	10 21.9	20.9
175492 2006 RX_{47}	15.5	X	84.84135	352.01466	41.55276	10.37634	0.1909129	0.22046403	2.7137982	21	—	—
175493 2006 RD_{50}	16.1	X	332.28821	346.71078	359.89950	1.83020	0.0979215	0.19004216	2.9961904	21	8 15.9	19.6
175494 2006 RA_{52}	16.0	X	357.82665	101.92168	29.28516	3.61837	0.0455029	0.21971668	2.7199486	21	—	—
175495 2006 RC_{64}	16.2	X	35.59795	152.03111	239.95921	2.73373	0.1021216	0.21223364	2.7835129	21	—	—
175496 2006 RE_{64}	15.7	X	198.41933	205.35551	165.38432	2.13662	0.1840519	0.17283066	3.1919459	21	4 2.5	21.0
175497 2006 RH_{64}	15.9	X	315.55423	21.24887	33.73830	2.44258	0.0538381	0.20208280	2.8759620	21	10 24.1	19.4
175498 2006 RZ_{68}	16.2	X	56.68220	52.25816	342.45759	3.48164	0.0933993	0.21547037	2.7555672	21	—	—
175499 2006 RJ_{78}	16.4	X	298.95763	239.79722	32.32226	4.50944	0.1035824	0.24035616	2.5619218	21	3 14.1	19.8
175500 2006 RA_{81}	16.4	X	191.53360	331.21912	30.59187	1.53814	0.0854948	0.23537197	2.5979625	21	3 9.2	20.1
175501 2006 RF_{82}	16.1	X	1.59303	217.48057	206.48504	2.62503	0.1089886	0.20903684	2.8118199	21	—	—
175502 2006 RU_{95}	15.7	X	216.83013	194.93214	195.93717	2.25581	0.0844930	0.17549090	3.1596064	21	5 16.0	20.4
175503 2006 RU_{97}	16.3	X	61.57188	141.19377	305.26978	1.16240	0.0537085	0.22359032	2.6884423	21	1 11.9	19.6
175504 2006 RE_{101}	15.8	X	197.38852	45.86495	295.37193	7.61162	0.0839932	0.23155537	2.6264319	21	2 15.6	19.7
175505 2006 RQ_{104}	16.1	X	205.26694	125.54830	104.82810	9.20775	0.0919804	0.21100061	2.7943464	21	—	—
175506 2006 SO_{2}	16.1	X	336.45798	144.08697	261.21629	0.95208	0.0645899	0.20307382	2.8665977	21	11 10.6	19.8
175507 2006 SO_{8}	16.4	X	61.51632	207.80087	118.78123	7.58383	0.1552013	0.27136719	2.3628228	21	12 22.3	19.6
175508 2006 SO_{11}	16.9	X	31.46710	256.47180	87.14744	3.38463	0.1835106	0.26974060	2.3723122	21	12 11.4	19.8
175509 2006 SK_{14}	17.1	X	141.35419	28.16614	268.38936	3.93645	0.1356939	0.28342207	2.2953396	21	—	—
175510 2006 SX_{18}	16.4	X	137.69172	218.39351	154.82428	3.41961	0.1299455	0.22565931	2.6719842	21	1 29.0	20.1
175511 2006 SP_{20}	15.9	X	67.58742	42.80533	354.66299	6.38157	0.1268504	0.21582196	2.7525737	21	—	—
175512 2006 SH_{23}	15.6	X	137.79730	208.19511	138.54184	14.27880	0.1812599	0.22307280	2.6925987	21	1 4.0	19.7
175513 2006 SS_{26}	16.2	X	102.16605	335.30511	16.94084	5.16518	0.0819013	0.21823055	2.7322830	21	—	—
175514 2006 SW_{35}	15.6	X	92.96445	268.72446	88.48595	7.30696	0.0490457	0.21621440	2.7492420	21	—	—
175515 2006 SL_{39}	16.3	X	96.14329	38.63294	324.31277	4.52791	0.2317016	0.21644484	2.7472903	21	—	—
175516 2006 SS_{41}	16.8	X	28.55126	275.44269	16.87287	6.62249	0.1004460	0.26032757	2.4291590	21	9 12.4	19.5
175517 2006 SZ_{47}	15.9	X	39.46792	262.23677	90.72521	3.15382	0.0756346	0.20577522	2.8414542	21	12 4.7	19.6
175518 2006 SY_{50}	15.6	X	259.83495	80.60627	297.89943	7.71446	0.1589051	0.18429135	3.0582014	21	6 7.3	20.2
175519 2006 SR_{54}	17.1	X	293.66940	223.12990	56.26797	5.11021	0.2336248	0.30953175	2.1643754	21	2 18.9	20.2
175520 2006 SZ_{57}	14.7	X	207.10629	280.94832	128.97617	16.75894	0.2462729	0.17681206	3.1438475	21	5 27.7	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
175521 2006 SY_{60}	15.5	X	295.19695	336.14020	72.39820	9.76599	0.0626855	0.19277586	2.9677976	21	9 20.2	19.6
175522 2006 SQ_{62}	16.6	X	106.64219	210.20521	60.25745	7.01930	0.0746639	0.26946385	2.3739362	21	11 21.9	20.0
175523 2006 SE_{70}	17.1	X	132.93249	113.12611	141.74446	1.77984	0.1507176	0.27140044	2.3626299	21	12 2.8	20.6
175524 2006 SM_{72}	16.2	X	93.50352	281.44953	49.39829	4.32635	0.0998589	0.20951919	2.8075027	21	—	—
175525 2006 SP_{72}	15.1	X	174.61478	43.81760	48.05838	5.14686	0.0971935	0.17642762	3.1484127	21	6 15.5	19.9
175526 2006 SG_{73}	16.3	X	359.83297	273.00148	124.03674	2.12437	0.0471985	0.20238722	2.8730774	21	12 2.8	19.9
175527 2006 SN_{89}	15.0	X	52.38103	170.18399	17.36653	11.06921	0.0994555	0.17287664	3.1913799	21	5 19.4	19.2
175528 2006 SQ_{90}	16.5	X	300.11410	162.97938	278.13881	0.94701	0.0282541	0.19951831	2.9005535	21	11 6.4	20.3
175529 2006 ST_{116}	15.8	X	124.73324	105.01797	27.26542	8.47304	0.1819751	0.17240794	3.1971612	21	6 21.4	21.0
175530 2006 SH_{120}	14.8	X	213.41935	5.25566	26.30986	22.01615	0.0701697	0.17611307	3.1521605	21	5 8.1	19.7
175531 2006 SJ_{120}	16.4	X	260.60075	242.55197	73.41767	5.67861	0.1476761	0.24052343	2.5607340	21	3 21.9	20.3
175532 2006 SK_{122}	15.8	X	269.95981	11.28333	303.96324	12.98594	0.1728841	0.24083292	2.5585396	21	3 18.1	19.9
175533 2006 SE_{124}	16.0	X	116.17544	278.13570	78.16180	7.42021	0.0584136	0.22045087	2.7139062	21	—	—
175534 2006 SR_{126}	15.8	X	14.10476	200.99781	81.72004	10.72220	0.2339481	0.25755683	2.4465495	21	8 20.9	17.8
175535 2006 SR_{142}	17.5	X	65.01579	169.63810	111.89729	2.28704	0.1722965	0.26817361	2.3815444	21	10 31.4	20.7
175536 2006 ST_{167}	15.9	X	343.24364	197.03349	230.75114	2.63039	0.1496322	0.20627382	2.8368735	21	12 25.4	18.9
175537 2006 SZ_{173}	16.3	X	124.51068	131.62994	211.42987	1.01816	0.0798699	0.22251879	2.6970661	21	—	—
175538 2006 SO_{193}	15.9	X	37.64438	348.06075	78.62360	6.37253	0.0395038	0.21948334	2.7218760	21	—	—
175539 2006 SY_{201}	16.4	X	144.37673	275.47628	17.84842	4.55100	0.0491587	0.21170730	2.7881245	21	—	—
175540 2006 SU_{202}	16.8	X	153.19080	253.04392	327.79634	3.41764	0.0420114	0.27012221	2.3700774	21	11 9.3	20.0
175541 2006 SP_{212}	15.9	X	152.60847	39.66305	305.83391	4.19011	0.1786244	0.22340266	2.6899476	21	1 17.5	19.8
175542 2006 SO_{218}	15.4	X	240.73573	44.95600	349.63672	9.66256	0.1193157	0.18281436	3.0746511	21	6 10.7	20.2
175543 2006 ST_{218}	16.4	X	247.75423	311.72859	343.36116	6.41953	0.1079057	0.29809464	2.2193882	21	2 3.5	19.6
175544 2006 SS_{243}	16.1	X	301.70603	143.51698	33.90445	5.80945	0.0075081	0.22065865	2.7122023	21	—	—
175545 2006 ST_{253}	16.9	X	8.46961	190.15127	39.73469	2.38886	0.1061618	0.24430817	2.5342185	21	5 1.1	19.5
175546 2006 SQ_{271}	15.2	X	120.78970	161.98630	338.79947	7.41135	0.0366983	0.17660117	3.1463497	21	6 11.8	19.8
175547 2006 SS_{280}	15.9	X	153.40267	209.40599	112.58489	4.90144	0.2284381	0.22068577	2.7119801	21	—	—
175548 Sudzius	16.2	X	179.73847	125.06647	228.97856	1.28954	0.0691978	0.22887892	2.6468674	21	2 13.8	20.1
175549 2006 SO_{290}	16.4	X	317.97004	311.83163	298.57249	1.56810	0.1117727	0.23622601	2.5916971	21	3 7.8	19.5
175550 2006 SW_{300}	15.3	X	113.41975	238.04481	76.79541	13.61479	0.1133827	0.21192322	2.7862303	21	—	—
175551 2006 SW_{303}	16.4	X	102.20186	259.33972	160.96342	2.86257	0.0398361	0.22694818	2.6618582	21	1 31.3	19.9
175552 2006 SO_{323}	16.0	X	270.10134	126.59337	50.49876	5.30263	0.0517016	0.21305929	2.7763170	21	—	—
175553 2006 SB_{325}	15.3	X	182.44880	110.54790	29.47956	8.85316	0.0482860	0.18773282	3.0207115	21	8 28.1	19.8
175554 2006 SA_{329}	16.7	X	343.62896	106.35589	155.30035	2.91565	0.0824405	0.24341185	2.5404359	21	5 7.1	19.5
175555 2006 SZ_{331}	15.6	X	180.05967	94.08848	24.58280	11.00342	0.0363020	0.18143235	3.0902450	21	7 28.9	20.3
175556 2006 SO_{352}	15.1	X	150.29241	116.82816	350.12099	10.37598	0.0469267	0.17693968	3.1423356	21	6 4.0	19.9
175557 2006 SH_{353}	15.2	X	0.12297	195.08758	114.61550	4.80418	0.1082219	0.18897384	3.0074719	21	8 12.2	18.8
175558 2006 SN_{353}	15.8	X	135.04993	280.34220	82.64639	5.60135	0.0435190	0.22220145	2.6996334	21	1 2.8	19.5
175559 2006 SX_{356}	15.4	X	330.20419	268.42595	52.21607	10.20541	0.0821916	0.18353700	3.0665753	21	7 9.6	19.4
175560 2006 SZ_{359}	16.3	X	181.14324	175.70245	166.66024	4.83812	0.0942006	0.22810091	2.6528827	21	2 2.4	20.3
175561 2006 SX_{366}	15.4	X	53.80440	238.96682	111.21059	16.03613	0.1608666	0.20530697	2.8457730	21	12 30.8	19.5
175562 Ajsingh	15.7	X	141.18259	161.56610	64.89661	13.01025	0.0458111	0.19789340	2.9164095	21	10 28.6	20.0
175563 Amyrose	15.5	X	229.65489	186.37746	82.98153	15.57510	0.1567909	0.22291976	2.6938310	21	—	—
175564 2006 SK_{393}	15.1	X	297.85343	358.93367	357.22224	12.04278	0.1790481	0.18545207	3.0454274	21	6 23.8	19.4
175565 2006 TV	15.1	X	165.11340	79.10849	318.92316	27.81997	0.1801936	0.23475761	2.6024932	21	3 16.3	19.8
175566 Papplaci	15.8	X	295.53678	308.47486	137.51435	6.67012	0.0351256	0.20078279	2.8883627	21	11 8.9	19.7
175567 2006 TM_{10}	17.1	X	237.80283	245.00768	326.87812	4.16630	0.0668167	0.28226574	2.3016040	21	—	—
175568 2006 TT_{17}	16.1	X	77.77708	197.94726	95.13243	3.05268	0.0639618	0.19864986	2.9090010	21	11 5.8	20.1
175569 2006 TL_{19}	16.0	X	291.29365	153.01496	228.76186	3.46497	0.0973452	0.18562017	3.0435885	21	7 29.4	20.1
175570 2006 TO_{19}	16.2	X	100.07786	303.18325	346.03135	1.35427	0.0351925	0.20051914	2.8908940	21	11 22.7	20.2
175571 2006 TQ_{25}	15.3	X	331.28691	254.57913	16.06031	2.11762	0.0496645	0.17347039	3.1840935	21	5 8.6	19.5
175572 2006 TB_{42}	16.0	X	358.18341	40.19916	331.39527	0.80985	0.0754403	0.19568080	2.9383526	21	10 29.1	19.7
175573 2006 TK_{50}	15.7	X	241.57444	232.14541	119.79250	6.27016	0.1998056	0.17399341	3.1777094	21	4 18.0	20.9
175574 2006 TV_{54}	14.6	X	174.67248	61.06005	50.84976	22.86030	0.0722080	0.17917288	3.1161704	21	7 11.3	19.7
175575 2006 TW_{61}	16.0	X	47.60263	332.56430	47.66144	5.36524	0.1258386	0.21286319	2.7780220	21	—	—
175576 2006 TJ_{62}	15.4	X	282.38755	288.59458	99.99002	10.97117	0.1088953	0.18864955	3.0109175	21	7 26.3	19.4
175577 2006 TK_{75}	15.6	X	301.88400	211.65800	143.03618	6.30048	0.0711718	0.18364001	3.0654284	21	7 13.0	19.8
175578 2006 TU_{76}	14.9	X	339.03835	311.06435	347.32896	10.76713	0.0717774	0.18005435	3.1059918	21	6 23.9	19.1
175579 2006 TQ_{84}	16.1	X	259.45384	321.39826	316.43810	3.76348	0.1472639	0.22965989	2.6408635	21	1 31.6	20.2
175580 2006 TN_{90}	16.0	X	90.91612	260.93014	27.14376	5.98154	0.0951170	0.19788762	2.9164663	21	11 16.3	20.3
175581 2006 TR_{93}	16.1	X	261.62643	185.36287	253.12865	2.66732	0.0529460	0.18963778	3.0004483	21	9 7.9	20.3
175582 2006 TK_{94}	16.8	X	253.44408	187.51609	25.78406	6.48642	0.1089629	0.28511341	2.2862530	21	—	—
175583 Pingtung	15.2	X	221.78161	3.29478	56.69480	11.47619	0.0891476	0.17764184	3.1340497	21	6 25.3	20.0
175584 2006 TP_{99}	16.4	X	297.48338	182.48372	59.20338	2.46954	0.0800472	0.22978226	2.6399258	21	2 5.5	19.9
175585 2006 TW_{100}	16.1	X	315.78940	252.43290	13.99567	5.24236	0.1485474	0.23837614	2.5760890	21	3 21.6	19.2
175586 Tsou	15.5	X	234.25787	303.19343	90.87327	3.89092	0.0217219	0.17594702	3.1541435	21	6 13.9	20.1
175587 2006 TB_{109}	16.6	X	326.44976	113.40258	110.09657	3.40420	0.1627578	0.22999850	2.6382709	21	2 6.8	19.8
175588 Kathrynsmith	15.8	X	205.75152	184.45462	90.34733	10.53295	0.0680361	0.21888919	2.7267993	21	—	—
175589 2006 UD	15.9	X	284.60433	322.11547	100.42406	2.79383	0.1055740	0.19466331	2.9485827	21	9 13.6	19.7
175590 2006 UE_{5}	17.1	X	116.45635	333.70907	329.03853	2.63644	0.1630690	0.27738205	2.3285406	21	—	—
175591 2006 UU_{23}	15.9	X	189.04286	192.52037	329.57237	2.15340	0.0858376	0.19227587	2.9729403	21	9 25.9	20.3
175592 2006 UH_{30}	16.5	X	356.61034	108.83760	306.79127	1.11724	0.0598556	0.20483641	2.8501296	21	12 23.1	20.0
175593 2006 UM_{36}	16.5	X	67.38771	156.29459	1.91043	2.66507	0.0933131	0.23414428	2.6070359	21	4 28.6	19.5
175594 2006 UZ_{36}	15.3	X	231.22926	257.59879	58.82843	15.01582	0.0883365	0.22746088	2.6578568	21	3 3.1	19.6
175595 2006 UY_{44}	16.8	X	287.31085	75.31380	192.91696	2.40869	0.0956220	0.23006913	2.6377309	21	2 22.9	20.6
175596 2006 UM_{56}	15.6	X	51.46624	1.42604	283.48827	8.26533	0.1714631	0.19966500	2.8991326	21	10 3.8	19.6
175597 2006 UF_{81}	15.7	X	122.52488	318.43287	176.17301	1.69177	0.0756342	0.17221131	3.1995944	21	6 11.5	20.4
175598 2006 UP_{86}	16.1	X	146.47634	244.77122	16.38606	2.04135	0.0231529	0.20133811	2.8830493	21	12 11.9	20.3
175599 2006 UT_{106}	15.0	X	72.44987	140.76940	60.42350	11.03274	0.0598834	0.17618633	3.1512867	21	7 1.6	19.4
175600 2006 UW_{176}	15.8	X	303.12107	13.73783	82.48072	7.60077	0.0090233	0.20384724	2.8593424	21	12 2.1	19.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
175601 2006 UV_{182}	15.5	X	4.42834	69.75285	87.35257	12.41454	0.1348740	0.22037246	2.7145500	21	1 14.6	18.7
175602 2006 UR_{187}	15.4	X	310.32709	10.22837	265.44100	11.78679	0.0688309	0.24054792	2.5605601	21	3 31.8	19.0
175603 2006 UN_{191}	15.3	X	35.09075	0.63414	306.20021	9.03036	0.0708985	0.19273302	2.9682374	21	9 23.5	19.3
175604 2006 UL_{228}	15.1	X	339.91092	38.98509	348.02332	7.94871	0.0057737	0.19545622	2.9406029	21	10 18.8	19.2
175605 2006 UH_{230}	15.8	X	37.65136	301.53526	4.78684	2.01961	0.0788314	0.19484797	2.9467195	21	10 2.4	19.7
175606 2006 UJ_{230}	16.9	X	155.47247	312.49602	283.62104	1.86422	0.1351766	0.27051740	2.3677686	21	11 30.3	20.6
175607 2006 UD_{275}	15.7	X	225.17481	28.47797	271.50981	3.23896	0.1587264	0.22966310	2.6408389	21	1 25.7	20.1
175608 2006 VB_{4}	16.0	X	354.94335	84.37255	338.42946	0.95139	0.0429598	0.20276870	2.8694728	21	12 27.9	19.7
175609 2006 VM_{11}	15.9	X	222.88585	340.72360	27.19448	0.42691	0.1829855	0.17115673	3.2127238	21	4 19.1	21.1
175610 2006 VT_{19}	15.6	X	52.63105	284.39104	347.56933	1.65840	0.0619736	0.18543555	3.0456084	21	9 5.5	19.6
175611 2006 VF_{31}	15.4	X	245.36234	316.48255	38.13455	5.01265	0.1874602	0.17177172	3.2050510	21	4 23.0	20.6
175612 2006 VY_{82}	15.8	X	175.72098	271.48737	298.81429	0.93639	0.0404481	0.19672502	2.9279454	21	11 12.3	19.9
175613 Shikoku–karst	15.4	X	269.28869	135.82225	283.27810	9.08031	0.0239101	0.18677060	3.0310775	21	8 25.5	19.7
175614 2006 VC_{144}	15.4	X	358.54345	49.91467	296.88029	9.56526	0.1103517	0.19222072	2.9735089	21	9 23.2	19.1
175615 2006 VN_{154}	16.1	X	290.53789	123.73989	160.10156	4.23487	0.1805990	0.23656820	2.5891973	21	3 7.4	19.6
175616 2006 WV_{33}	16.0	X	1.86277	150.95972	128.41372	3.39231	0.1453017	0.17858355	3.1230223	21	7 3.4	19.6
175617 2006 WA_{36}	15.9	X	60.62260	16.66454	176.86372	5.72871	0.0819777	0.16926057	3.2366732	21	6 9.4	20.3
175618 2006 WQ_{47}	16.0	X	260.93634	45.14249	310.42613	2.33867	0.0175419	0.17026274	3.2239599	21	5 29.5	20.5
175619 2006 WO_{53}	15.9	X	177.49723	329.07236	155.09093	14.22960	0.1383548	0.24354424	2.5395152	21	7 28.9	20.0
175620 2006 WE_{99}	14.4	X	61.50296	223.51060	75.85914	7.47617	0.1236378	0.12529410	3.9553261	21	10 24.8	19.9
175621 2006 WX_{125}	14.7	X	274.71476	239.67681	91.97221	16.90227	0.1833188	0.17291921	3.1908561	21	5 1.6	19.7
175622 2006 XX_{4}	14.8	X	134.36517	272.80447	116.44234	29.13821	0.3694353	0.23183449	2.6243234	21	3 19.2	19.8
175623 2006 YR_{14}	15.3	X	38.93463	86.83541	291.39616	13.62147	0.1617031	0.20462580	2.8520849	21	—	—
175624 2006 YM_{47}	15.8	X	50.22381	236.20017	69.94391	2.55261	0.0735027	0.19059307	2.9904140	21	10 18.9	19.8
175625 2007 OK_{7}	15.3	X	351.92283	81.51879	311.78296	12.83241	0.2148529	0.21746619	2.7386817	21	12 2.7	18.2
175626 2007 PK_{25}	14.9	X	213.33660	203.95778	192.72139	19.08919	0.3797162	0.18423772	3.0587948	21	5 10.3	20.9
175627 2007 RE_{81}	15.9	X	189.55102	339.48797	300.82615	14.56126	0.0907596	0.23841957	2.5757762	21	—	—
175628 2007 RW_{275}	15.7	X	271.77492	223.35305	191.10565	6.01523	0.0354022	0.20854319	2.8162554	21	8 24.8	19.5
175629 Lambertini	16.0	X	34.38744	123.35593	235.72641	6.67097	0.3030998	0.22019390	2.7160173	21	—	—
175630 2007 TQ_{41}	16.2	X	167.10325	96.92946	145.23656	1.31833	0.0469002	0.21723697	2.7406078	21	12 14.9	20.0
175631 2007 TD_{47}	15.6	X	255.53777	77.67593	219.88534	9.77258	0.0395173	0.17793264	3.1306341	21	3 5.8	20.4
175632 2007 TG_{85}	16.1	X	109.15323	289.01436	70.25641	3.24945	0.1888988	0.23253112	2.6190794	21	—	—
175633 Yaoan	15.1	X	68.54068	9.04545	118.52097	6.52441	0.0362382	0.17273576	3.1931149	21	3 24.9	19.5
175634 2007 TV_{216}	15.4	X	242.09217	302.40692	38.98518	12.91637	0.1174225	0.18193748	3.0845224	21	4 11.4	20.2
175635 2007 TO_{279}	15.6	X	161.74358	65.23873	328.19482	1.75377	0.1008116	0.17649012	3.1476694	21	3 23.4	20.5
175636 Zvyagel	15.2	X	218.05932	81.30708	341.10957	11.15103	0.0689967	0.19308157	2.9646642	21	6 27.1	19.7
175637 2007 US_{25}	17.4	X	287.91399	35.53365	203.81732	1.14160	0.0582467	0.31226449	2.1517294	21	1 6.4	19.8
175638 2007 UF_{47}	15.9	X	110.52354	53.91280	223.91718	5.17543	0.0290164	0.21477532	2.7615090	21	11 23.4	19.6
175639 2007 UC_{51}	17.1	X	329.16687	256.13912	112.70875	6.86532	0.1960957	0.27585504	2.3371258	21	9 19.7	18.8
175640 2007 UZ_{104}	16.9	X	320.19440	237.51426	184.89962	2.60240	0.1475168	0.28083686	2.3094043	21	11 26.1	18.6
175641 2007 VD_{32}	16.0	X	145.00698	225.48763	357.35941	5.43815	0.0090132	0.20922420	2.8101409	21	10 23.4	19.8
175642 2007 VB_{76}	17.4	X	158.17903	299.63720	178.56267	2.04136	0.1738016	0.25860524	2.4399327	21	7 4.3	21.4
175643 2007 VF_{165}	17.4	X	293.38432	199.91165	207.97932	1.86267	0.2088159	0.27394261	2.3479905	21	8 26.5	19.6
175644 2007 VK_{166}	16.4	X	46.96944	220.86559	213.32771	2.19912	0.0818889	0.22772202	2.6558245	21	—	—
175645 2007 VG_{263}	16.4	X	101.10179	185.99844	38.77847	5.84827	0.0719103	0.26931317	2.3748216	21	9 17.7	19.5
175646 2007 VQ_{290}	16.1	X	92.68153	278.28966	71.62236	4.70775	0.1019135	0.22170296	2.7036786	21	—	—
175647 4091 $P–L$	16.6	X	138.22340	142.44886	224.19407	2.82768	0.2559891	0.23317634	2.6142457	21	2 3.4	20.7
175648 4326 $P–L$	17.1	X	156.23982	50.76772	277.46077	2.46404	0.2667124	0.23289895	2.6163210	21	1 6.8	21.2
175649 6233 $P–L$	17.1	X	76.52326	52.02289	341.85297	6.39142	0.1750640	0.29630964	2.2282925	21	—	—
175650 1408 $T–2$	17.1	X	274.44717	50.01579	339.94397	4.92936	0.2171029	0.26442236	2.4040155	21	7 1.2	20.3
175651 3094 $T–2$	15.7	X	325.44005	259.98164	36.62887	3.00563	0.2106549	0.24292165	2.5438524	21	5 6.6	18.1
175652 3257 $T–2$	17.2	X	280.92286	1.88960	40.03820	3.02457	0.1939229	0.26514176	2.3996651	21	7 31.8	20.1
175653 1014 $T–3$	16.0	X	129.13171	8.72904	346.63572	11.54159	0.1865998	0.23231215	2.6207249	21	1 5.8	19.8
175654 2130 $T–3$	16.8	X	90.41133	167.68297	232.55783	4.58393	0.1592383	0.29961910	2.2118536	21	—	—
175655 3306 $T–3$	17.8	X	88.38772	274.49037	107.22705	0.73547	0.2406682	0.29858873	2.2169392	21	—	—
175656 3397 $T–3$	16.6	X	324.70721	296.66004	46.82944	3.92887	0.1708456	0.26668938	2.3903724	21	7 25.8	18.6
175657 3426 $T–3$	17.6	X	295.87567	6.32304	22.62981	2.59666	0.2270548	0.26684546	2.3894402	21	7 30.6	20.1
175658 3578 $T–3$	16.4	X	141.31342	15.46893	24.52491	5.23989	0.1743280	0.23527524	2.5986746	21	3 12.9	20.3
175659 1981 EP_{23}	15.1	X	88.56714	230.64430	354.47115	15.53359	0.1478582	0.17925497	3.1152189	21	9 5.5	19.6
175660 1981 QC_{3}	16.2	X	248.45095	203.29197	144.66832	6.40617	0.3178498	0.24014344	2.5634346	21	4 6.1	20.7
175661 1989 SC_{14}	16.0	X	115.38170	114.53237	278.72276	10.23618	0.2028463	0.22785906	2.6547595	21	2 3.9	19.8
175662 1993 BB_{10}	17.1	X	255.03190	78.06177	44.40344	1.72530	0.1366602	0.26681699	2.3896102	21	10 25.5	19.8
175663 1993 FD_{48}	16.6	X	180.00199	159.86515	17.51793	2.36161	0.1426918	0.26104024	2.4247357	21	10 10.1	20.3
175664 1993 KK_{1}	15.3	X	59.61130	175.35526	111.84633	4.62021	0.1693465	0.18584235	3.0411623	21	10 21.7	19.6
175665 1993 MJ	17.4	X	173.60652	85.16719	247.15375	5.10906	0.1811074	0.29978426	2.2110412	21	1 8.3	20.5
175666 1993 TS_{9}	16.6	X	19.44667	128.70385	268.35911	3.57881	0.0934041	0.21589798	2.7519275	21	—	—
175667 1993 TX_{24}	16.1	X	150.52062	183.37535	181.97484	4.80610	0.2274439	0.22706823	2.6609199	21	2 10.9	20.4
175668 1994 AZ_{9}	16.0	X	141.36378	187.13962	47.43714	2.67203	0.0192149	0.20447284	2.8535071	21	11 4.0	19.9
175669 1994 LT_{3}	16.6	X	177.53544	161.93765	65.28513	3.22202	0.0825885	0.27085762	2.3657854	21	12 15.1	19.8
175670 1994 PN_{32}	15.0	X	270.04375	39.93857	324.61620	15.61359	0.1933321	0.17655700	3.1468745	21	5 25.3	20.1
175671 1994 SV_{6}	16.0	X	86.16340	244.08781	30.10464	3.88387	0.2245834	0.18660141	3.0329094	21	11 7.6	20.8
175672 1994 UN_{7}	15.7	X	270.70024	84.96833	249.53651	4.31844	0.2674002	0.17315779	3.1879245	21	4 13.1	20.9
175673 1994 UY_{10}	15.4	X	172.79874	188.43661	294.73583	3.59225	0.0286775	0.17386089	3.1793239	21	7 21.9	20.0
175674 1994 WP_{6}	16.5	X	114.07391	321.19118	108.80197	6.76260	0.2819464	0.23481200	2.6020913	21	4 5.8	20.4
175675 1995 CJ_{4}	16.3	X	21.59450	173.13267	243.99688	1.46955	0.0821391	0.21887509	2.7269164	21	—	—
175676 1995 DK_{8}	16.4	X	185.15739	145.46408	157.82540	5.55411	0.0995704	0.21956189	2.7212268	21	—	—
175677 1995 EV_{4}	15.9	X	138.24743	43.86376	356.21233	12.50173	0.1286952	0.22676846	2.6632644	21	3 5.8	19.8
175678 1995 FA_{4}	16.2	X	214.55969	249.50980	11.08467	5.25845	0.0208826	0.21893866	2.7263885	21	—	—
175679 1995 GE_{1}	16.2	X	10.86059	56.36153	71.66208	3.80383	0.0363264	0.22008641	2.7169016	21	—	—
175680 1995 GU_{1}	15.9	X	358.92320	4.88838	174.84193	12.51919	0.0870863	0.22390126	2.6859527	21	2 6.4	19.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
175681 1995 GU_2	16.0	X	108.84798	87.36120	28.49381	13.88929	0.2088129	0.23094064	2.6310906	21	5 13.6	19.9
175682 1995 MC_5	17.2	X	295.03555	32.48779	194.83988	8.69961	0.0704228	0.29376430	2.2411454	21	1 1.1	20.2
175683 1995 OK_{13}	17.2	X	294.47051	221.89302	146.96026	1.78798	0.1933657	0.26263107	2.4149343	21	7 2.7	20.0
175684 1995 QC_{16}	16.5	X	303.67735	173.04584	295.98936	10.08076	0.1217643	0.27536742	2.3398841	21	—	—
175685 1995 SB_6	16.9	X	338.26170	14.42569	349.14526	2.80260	0.1381205	0.26597105	2.3946744	21	9 27.4	18.9
175686 1995 SE_{11}	17.2	X	157.38222	213.21496	14.09324	6.61757	0.0620354	0.26938681	2.3743888	21	11 21.8	20.6
175687 1995 SV_{12}	16.1	X	75.00478	141.15201	175.05004	3.09070	0.0639431	0.19577290	2.9374309	21	11 29.9	20.3
175688 1995 SF_{13}	16.2	X	349.70318	189.26868	171.39569	1.18229	0.0924071	0.19049127	2.9914793	21	10 2.2	19.9
175689 1995 SX_{17}	15.9	X	178.41010	90.00846	18.70921	16.09942	0.2067209	0.17960367	3.1111855	21	7 13.8	21.5
175690 1995 SX_{34}	16.0	X	103.39847	286.31631	6.51461	1.59059	0.0847045	0.19472981	2.9479114	21	12 4.6	20.3
175691 1995 SM_{38}	16.9	X	61.27925	315.63067	346.98278	6.45887	0.1395091	0.26988976	2.3714380	21	11 16.2	20.1
175692 1995 SH_{40}	17.3	X	9.56431	357.31324	9.41243	1.40457	0.1909370	0.26993502	2.3711729	21	12 11.2	19.7
175693 1995 SZ_{41}	16.3	X	194.23365	311.68569	158.17775	3.74102	0.0797637	0.18289452	3.0737527	21	7 28.4	20.9
175694 1995 ST_{51}	16.2	X	354.54446	302.40093	13.73624	4.57907	0.0745380	0.18469320	3.0537638	21	8 12.1	20.1
175695 1995 TU_7	16.7	X	316.75221	145.55392	241.82092	1.64123	0.1657614	0.26312789	2.4118935	21	9 16.2	18.7
175696 1995 TS_8	17.5	X	179.72814	162.36274	16.27056	2.84857	0.1354263	0.26521004	2.3992532	21	10 12.1	21.2
175697 1995 UG_2	16.9	X	321.22143	325.31436	30.34566	2.14348	0.1894735	0.26187766	2.4195638	21	8 3.9	19.1
175698 1995 UQ_8	15.2	X	258.87218	241.08642	158.27118	15.56501	0.1757052	0.18125406	3.0922711	21	6 30.9	20.1
175699 1995 UK_{12}	16.9	X	33.15465	352.98254	344.50126	0.91331	0.2008879	0.26861407	2.3789403	21	12 7.7	19.7
175700 1995 UM_{18}	15.4	X	32.84212	337.21311	6.04002	10.51249	0.1079974	0.19265360	2.9690531	21	11 12.3	19.4
175701 1995 UO_{40}	15.7	X	253.04456	161.82116	205.35112	5.72665	0.2433964	0.18064288	3.0992420	21	5 10.1	20.7
175702 1995 UB_{58}	17.2	X	138.25611	249.90745	320.61660	0.92635	0.1200237	0.26495297	2.4008048	21	10 11.1	20.8
175703 1995 UC_{69}	17.1	X	179.72186	296.81564	260.59229	0.28593	0.1134220	0.26737581	2.3862795	21	11 6.6	20.5
175704 1995 VS_6	16.7	X	165.99446	109.44805	67.00148	2.05312	0.1280661	0.26002961	2.4310143	21	9 26.4	20.3
175705 1995 WW_{40}	15.9	X	232.80237	100.66321	4.12548	0.59347	0.0536580	0.18472613	3.0534009	21	9 6.7	20.2
175706 1996 FG_3	18.4	X	20.11534	24.06953	299.67743	1.99114	0.3497556	0.91111285	1.0537913	21	—	—
175707 1996 QA_1	15.7	X	107.40029	211.71793	148.17733	8.79921	0.2357478	0.21206011	2.7850311	21	—	—
175708 1996 RF_1	17.4	X	24.65869	231.60654	158.85860	4.85734	0.1592711	0.28364682	2.2941269	21	—	—
175709 1996 RQ_6	16.7	X	279.46564	175.95016	225.09569	0.55896	0.2288685	0.19296637	2.9658440	21	7 19.7	20.8
175710 1996 SK_7	14.7	X	299.24918	298.05326	20.94081	16.52713	0.2533231	0.22796695	2.6539218	21	4 20.5	18.3
175711 1996 TW_{42}	15.7	X	228.39250	268.24699	337.55955	14.94838	0.0975308	0.21281622	2.7784307	21	—	—
175712 1996 TP_{54}	17.5	X	46.45380	156.04638	202.03738	0.68994	0.2120012	0.28242159	2.3007572	21	—	—
175713 1996 VX_{11}	15.5	X	326.77594	8.56849	12.82953	10.82595	0.0497400	0.19339814	2.9614281	21	9 26.8	19.3
175714 1996 VJ_{35}	16.7	X	235.66817	332.23022	301.38279	5.55691	0.1465890	0.29430313	2.2384091	21	—	—
175715 1996 XR_3	17.0	X	248.12419	230.45730	341.45739	5.48152	0.1077320	0.28483170	2.2877602	21	—	—
175716 1996 XW_{24}	15.8	X	334.52944	9.78795	36.98313	13.12075	0.0951467	0.19648352	2.9303442	21	11 7.4	19.3
175717 1997 CX_5	18.1	X	68.69117	162.41841	312.78734	19.28071	0.1207547	0.45047201	1.6853529	21	—	—
175718 Wuzhengyi	16.9	X	262.40403	132.40885	359.33062	2.28742	0.1461688	0.27083666	2.3659075	21	11 16.7	19.5
175719 1997 ED_4	15.3	X	222.80471	269.13719	176.04437	13.63854	0.1818187	0.17830028	3.1263291	21	7 19.0	20.6
175720 1997 EB_{12}	15.8	X	241.05571	119.76833	281.44827	4.67763	0.2348000	0.18153943	3.0890296	21	6 9.5	20.9
175721 1997 GU	16.7	X	215.76758	227.77954	12.23768	1.60981	0.2062591	0.27145551	2.3623103	21	—	—
175722 1997 GP_1	14.9	X	100.23266	71.02564	159.45464	18.16701	0.0776314	0.17992586	3.1074703	21	9 15.6	19.4
175723 1997 GC_{10}	17.0	X	156.83769	59.28862	179.92624	4.85422	0.1836319	0.26531942	2.3985937	21	12 4.1	20.9
175724 1997 GN_{25}	16.9	X	332.19321	211.37750	183.44981	5.38774	0.0684903	0.26450885	2.4034914	21	11 3.1	19.4
175725 1997 NZ_5	16.1	X	200.39450	209.38295	165.51705	2.41752	0.1900333	0.23405172	2.6077232	21	4 4.5	20.5
175726 Borda	16.1	X	266.98650	143.86141	186.37059	3.31409	0.1963015	0.23724840	2.5842460	21	4 8.1	19.9
175727 1997 SA_{13}	16.4	X	32.70084	319.84117	172.77514	12.94288	0.1101153	0.22607407	2.6687151	21	1 26.9	19.5
175728 1998 BT_5	17.5	X	96.90707	265.12145	126.13166	6.82972	0.1264999	0.29570460	2.2313310	21	—	—
175729 1998 BB_{10}	20.3	X	175.79867	259.19977	124.29474	11.53594	0.4246103	0.68729314	1.2716708	21	2 26.1	20.3
175730 Gramastetten	17.1	X	79.36075	336.42913	183.97652	1.21417	0.0653408	0.30519976	2.1848079	21	5 10.8	19.3
175731 1998 DW_{36}	17.0	X	157.76346	97.76956	117.78964	2.23952	0.1788368	0.27562778	2.3384103	21	11 7.5	20.7
175732 1998 EW_8	17.0	X	279.43378	234.69084	7.05313	4.82733	0.1261172	0.29388261	2.2405439	21	—	—
175733 1998 FD_{88}	16.2	X	89.31969	105.57839	25.21135	6.11065	0.0624195	0.30243728	2.1980918	21	4 11.3	18.4
175734 1998 FA_{122}	16.1	X	160.28155	32.24130	171.16538	12.19973	0.2737161	0.19006762	2.9959228	21	10 19.1	21.5
175735 1998 HA_1	17.0	X	21.26308	194.02164	127.05374	4.55372	0.2209831	0.26764776	2.3846628	21	11 2.1	19.4
175736 1998 HJ_6	17.0	X	229.80044	40.56685	178.32849	5.51739	0.1224416	0.28301130	2.2975600	21	—	—
175737 1998 HO_{15}	14.7	X	351.71041	138.44785	164.83404	16.24581	0.0797487	0.17636738	3.1491297	21	7 17.7	18.9
175738 1998 HR_{66}	14.9	X	39.37692	119.81839	187.12020	11.50313	0.1447887	0.18470748	3.0536064	21	10 14.7	18.7
175739 1998 JL_4	16.7	X	231.52905	66.04686	173.40371	3.94856	0.1532486	0.28352692	2.2947736	21	—	—
175740 1998 KR_{10}	15.7	X	198.33218	311.21301	151.74547	10.53951	0.0533945	0.17881084	3.1203752	21	7 24.9	20.5
175741 1998 MQ_{24}	16.3	X	48.73346	44.30135	304.27824	5.87299	0.1421672	0.26898585	2.3767478	21	—	—
175742 1998 MF_{47}	16.5	X	163.31877	352.86947	277.78910	4.48056	0.1788063	0.27488232	2.3426361	21	—	—
175743 1998 OS_1	16.4	X	153.64339	333.77025	299.69578	4.49243	0.1440347	0.27277198	2.3547034	21	—	—
175744 1998 QK_{47}	16.2	X	179.38354	139.69885	168.90279	4.13006	0.2064893	0.23442164	2.6049791	21	—	—
175745 1998 QM_{49}	15.5	X	41.79195	340.80801	358.75493	6.39753	0.1378716	0.26377057	2.4079742	21	12 10.5	18.7
175746 1998 QJ_{61}	16.6	X	210.09928	38.20593	325.51346	17.93783	0.3089727	0.24290166	2.5439919	21	3 20.2	21.5
175747 1998 QK_{78}	15.5	X	83.74150	144.35072	214.93469	7.28132	0.1555391	0.22694090	2.6619151	21	—	—
175748 1998 QO_{88}	15.9	X	205.47376	98.69049	285.43833	10.23163	0.2165075	0.24375916	2.5380222	21	4 13.9	20.5
175749 1998 QN_{90}	15.7	X	105.01471	69.95641	250.37294	11.80468	0.2749440	0.22622147	2.6675557	21	—	—
175750 1998 RY_{21}	17.0	X	74.55615	76.99974	204.84283	0.89848	0.1812586	0.26167123	2.4208362	21	11 10.8	20.5
175751 1998 RN_{26}	16.3	X	207.41491	238.39024	155.60961	11.74396	0.2918087	0.24459294	2.5322511	21	5 4.6	21.1
175752 1998 RL_{47}	16.0	X	358.66562	59.25116	271.37393	3.67171	0.0944128	0.25647325	2.4534356	21	9 11.5	18.7
175753 1998 RT_{47}	15.7	X	66.14241	349.21404	329.47763	8.08680	0.1556218	0.26396973	2.4067628	21	12 15.5	19.2
175754 1998 RH_{48}	16.9	X	212.92004	123.40928	243.81330	2.29130	0.2465615	0.24262562	2.5459212	21	4 2.8	21.4
175755 1998 RX_{56}	16.4	X	134.48438	101.34791	192.91710	4.69106	0.2147983	0.27035039	2.3687436	21	—	—
175756 1998 RR_{58}	16.9	X	336.19725	17.37444	333.00001	2.28179	0.2290642	0.25596949	2.4566535	21	8 27.0	18.3
175757 1998 SX_{10}	16.6	X	117.46428	15.41738	27.82586	4.54978	0.2756253	0.23211543	2.6222054	21	3 4.7	20.4
175758 1998 SH_{21}	16.8	X	203.93122	191.31365	28.19865	2.63901	0.1614226	0.26710110	2.3879153	21	12 25.7	20.1
175759 1998 SL_{32}	17.1	X	87.48077	79.63718	173.59668	2.51406	0.1524001	0.26100431	2.4249582	21	10 16.1	20.4
175760 1998 SG_{39}	16.8	X	231.47719	206.62076	357.91133	2.85031	0.1650631	0.27039685	2.3684722	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
175761 1998 SH_{48}	17.3	X	141.86584	69.24733	359.49236	2.06909	0.1949771	0.23748962	2.5824958	21	4 18.0	21.2
175762 1998 SS_{101}	16.0	X	226.05863	337.24321	2.58157	5.82512	0.2197943	0.24131682	2.5551182	21	3 13.2	20.3
175763 1998 TQ_{36}	17.3	X	195.75670	307.15144	54.10092	3.15830	0.2524549	0.23800283	2.5787821	21	3 16.6	21.9
175764 1998 US_{3}	16.4	X	212.36712	199.85323	175.05972	6.46341	0.3489824	0.24374070	2.5381504	21	4 12.0	21.2
175765 1998 UR_{40}	16.4	X	108.65129	200.85334	236.95870	3.93228	0.2284756	0.23393582	2.6085845	21	3 28.9	20.0
175766 1998 VW_{18}	16.2	X	107.27205	193.34922	254.53096	3.54216	0.2739727	0.23365672	2.6106613	21	4 15.7	20.1
175767 1998 VO_{28}	16.0	X	116.32885	336.03860	61.96181	6.56725	0.3377464	0.23126777	2.6286089	21	3 6.4	20.0
175768 1998 VB_{33}	16.4	X	79.45526	18.84935	55.52106	4.95531	0.2608619	0.22881652	2.6473486	21	2 21.3	19.2
175769 1998 VF_{55}	15.7	X	203.44067	186.55568	211.38495	4.48897	0.1076369	0.24067728	2.5596425	21	5 6.2	19.4
175770 1998 WG_{38}	16.3	X	336.95295	32.24247	219.34258	1.99618	0.1290101	0.24007045	2.5639541	21	4 4.3	19.3
175771 1998 XO_{2}	16.2	X	162.58619	153.65569	249.17002	2.83380	0.1592739	0.23500846	2.6006409	21	4 2.2	20.3
175772 1998 XU_{8}	16.1	X	76.38748	30.98924	72.61298	6.24047	0.1615560	0.23028234	2.6361025	21	3 13.3	19.2
175773 1998 XY_{17}	16.1	X	104.46085	282.82156	79.27258	6.96803	0.0424893	0.22403249	2.6849037	21	—	—
175774 1999 AQ_{22}	15.4	X	17.07097	91.81275	81.80774	15.75002	0.3083552	0.22403814	2.6848585	21	2 22.6	17.6
175775 1999 BW_{10}	15.9	X	37.72710	13.66859	136.84113	8.07651	0.2498277	0.22478024	2.6789460	21	3 13.8	17.9
175776 1999 CY_{92}	15.8	X	339.52104	215.04078	340.13984	12.44243	0.1370672	0.22274872	2.6952098	21	1 27.8	19.2
175777 1999 CH_{93}	16.0	X	55.50334	155.73240	2.13255	3.19079	0.1192975	0.22843065	2.6503291	21	4 13.2	19.0
175778 1999 CF_{101}	15.2	X	24.64583	213.00283	354.61276	8.22948	0.1391815	0.22813353	2.6526297	21	4 27.8	18.0
175779 1999 CU_{140}	16.2	X	195.68839	319.16000	86.26996	4.83927	0.1100970	0.24061676	2.5600717	21	5 8.6	20.0
175780 1999 CV_{151}	16.7	X	32.23383	251.82319	305.81417	1.02363	0.0938816	0.23037319	2.6354094	21	4 27.5	19.5
175781 1999 FT_{1}	16.3	X	336.65826	286.93967	177.75815	4.86405	0.1254580	0.21179586	2.7873472	21	—	—
175782 1999 FJ_{62}	15.6	X	322.38685	9.45459	176.88645	14.06962	0.1058162	0.21742931	2.7389914	21	—	—
175783 1999 HD_{7}	17.7	X	267.67714	100.32573	210.36438	2.58211	0.1243169	0.30934973	2.1652243	21	3 12.8	20.6
175784 1999 JX_{66}	15.5	X	302.76139	68.68925	180.08545	8.07687	0.1747729	0.21821394	2.7324217	21	2 7.0	19.4
175785 1999 NR_{31}	16.8	X	275.68290	356.72772	297.38892	5.13875	0.1632032	0.30313148	2.1947347	21	2 23.5	20.0
175786 1999 PT_{3}	16.4	X	320.94960	340.25206	310.73760	9.06747	0.3647700	0.30931116	2.1654043	21	3 12.3	19.2
175787 1999 QL	16.8	X	299.20741	84.58091	300.88060	5.41973	0.1361212	0.26865026	2.3787266	21	8 14.3	19.1
175788 1999 RJ_{41}	17.0	X	231.23087	34.82019	8.88714	24.76497	0.1337745	0.39557857	1.8378676	21	5 26.1	19.9
175789 1999 RG_{58}	17.0	X	303.61705	182.36066	165.03461	2.68188	0.2060732	0.26472814	2.4021640	21	6 13.5	19.7
175790 1999 RV_{58}	16.3	X	35.24205	79.74843	318.61877	11.55265	0.1769523	0.28073959	2.3099377	21	—	—
175791 1999 RM_{68}	16.9	X	11.62883	208.90502	148.76601	7.13854	0.1109214	0.27396273	2.3478755	21	11 22.3	19.5
175792 1999 RV_{79}	17.1	X	0.11711	54.19409	343.99528	6.88764	0.2025137	0.27537071	2.3398654	21	—	—
175793 1999 RY_{80}	16.5	X	265.85428	269.79539	343.88374	4.28548	0.1624205	0.29474693	2.2361616	21	—	—
175794 1999 RU_{104}	14.8	X	331.98214	2.02250	315.12171	11.61681	0.1951311	0.17520326	3.1630636	21	6 26.3	18.4
175795 1999 RO_{123}	16.4	X	73.66623	112.75849	236.91320	7.46428	0.1388735	0.28017114	2.3130612	21	—	—
175796 1999 RO_{131}	16.4	X	113.28441	104.39568	250.17942	6.52964	0.1238340	0.28659113	2.2783873	21	—	—
175797 1999 RO_{132}	16.4	X	304.75165	80.98326	260.98053	4.15278	0.2168107	0.26433189	2.4045640	21	6 5.0	18.8
175798 1999 RK_{137}	16.6	X	341.67409	203.86371	173.23790	5.62648	0.2395030	0.27155885	2.3617109	21	11 6.4	18.0
175799 1999 RT_{147}	16.3	X	8.25764	84.61848	267.44484	3.51892	0.2512497	0.27275835	2.3547818	21	11 28.6	18.4
175800 1999 RE_{148}	16.5	X	10.18808	79.77079	317.17804	6.49588	0.1459540	0.27764489	2.3270708	21	—	—
175801 1999 RR_{148}	16.8	X	237.64634	161.89813	175.45778	4.40612	0.1684702	0.30056072	2.2072316	21	3 15.5	20.2
175802 1999 RT_{149}	14.9	X	58.87278	307.45248	337.61987	15.64617	0.2019364	0.18376641	3.0640225	21	10 13.1	19.4
175803 1999 RB_{155}	14.5	X	325.32849	353.40612	334.53406	16.80880	0.1392579	0.17489149	3.1668216	21	7 8.6	18.6
175804 1999 RG_{155}	16.4	X	169.58351	6.26685	316.73033	6.24804	0.1512417	0.29016314	2.2596502	21	—	—
175805 1999 RQ_{155}	16.4	X	3.72481	135.83033	234.52144	3.78835	0.1951014	0.27356267	2.3501640	21	12 8.2	18.5
175806 1999 RE_{165}	14.9	X	306.17804	1.89708	337.84702	14.99677	0.1392276	0.17322039	3.1871564	21	6 21.1	19.4
175807 1999 RP_{165}	15.1	X	300.65432	340.14736	341.74405	5.22032	0.1851446	0.17169261	3.2060354	21	5 11.4	19.5
175808 1999 RT_{175}	17.1	X	337.30984	181.30165	199.27040	3.31927	0.2190140	0.27059001	2.3673449	21	10 27.6	18.4
175809 1999 RU_{182}	16.8	X	93.19625	22.56605	346.47235	7.03286	0.1470951	0.28420098	2.2911438	21	—	—
175810 1999 RA_{187}	16.8	X	167.09945	328.83107	344.47631	4.06059	0.1663410	0.28865249	2.2675272	21	—	—
175811 1999 RS_{193}	15.9	X	298.43107	202.37059	213.27111	4.33114	0.2241657	0.26848333	2.3797125	21	9 13.3	17.9
175812 1999 RG_{201}	14.5	X	33.34049	297.16009	333.76614	23.63068	0.1760231	0.17610067	3.1523085	21	8 23.2	18.3
175813 1999 RU_{207}	16.4	X	142.98717	38.23240	281.89509	5.15749	0.1873717	0.28537775	2.2848410	21	—	—
175814 1999 RC_{210}	14.7	X	348.00985	116.66889	355.86314	23.55381	0.2149933	0.27950587	2.3167300	21	—	—
175815 1999 RC_{214}	17.1	X	266.71184	108.17658	153.56500	8.37230	0.2070617	0.29836901	2.2180274	21	1 3.9	20.8
175816 1999 RZ_{230}	16.9	X	34.42337	285.90529	66.94681	6.62292	0.3039911	0.27537935	2.3398165	21	—	—
175817 1999 RV_{236}	14.8	X	6.08854	148.28975	152.24267	15.44528	0.2579775	0.17735721	3.1374018	21	8 16.7	17.6
175818 1999 SZ	16.8	X	318.92947	237.43349	174.07368	6.01327	0.1109188	0.27091825	2.3654324	21	11 5.8	19.0
175819 1999 TN_{18}	16.9	X	291.80366	38.85144	0.64317	2.35630	0.1922346	0.26489395	2.4011614	21	8 14.6	19.2
175820 1999 TS_{25}	16.6	X	324.33550	4.93545	16.56957	7.12016	0.1671445	0.26719794	2.3873384	21	9 26.7	18.4
175821 1999 TB_{31}	16.6	X	311.49286	48.03609	306.25119	1.39893	0.2460645	0.26439206	2.4041992	21	6 30.8	18.8
175822 1999 TZ_{36}	16.3	X	342.68683	217.02831	160.94463	12.69510	0.2725364	0.26899223	2.3767102	21	11 16.6	18.0
175823 1999 TA_{45}	16.7	X	157.57588	299.91580	4.01765	6.25812	0.1933034	0.28455542	2.2892408	21	—	—
175824 1999 TN_{51}	16.8	X	255.59163	49.25211	268.65955	2.80315	0.1261253	0.25243904	2.4795052	21	3 15.2	20.6
175825 1999 TR_{56}	16.6	X	262.87743	112.22591	32.94397	2.55693	0.1526450	0.27300600	2.3533576	21	12 6.3	19.0
175826 1999 TF_{61}	16.3	X	259.78505	107.56306	335.89999	3.13629	0.2062695	0.26622663	2.3931415	21	8 27.6	19.3
175827 1999 TS_{72}	17.3	X	147.85682	224.78083	80.40466	3.97183	0.1925722	0.28131277	2.3067990	21	—	—
175828 1999 TA_{95}	16.0	X	142.38227	309.03674	56.28509	8.65267	0.2037361	0.24390448	2.5370140	21	2 2.4	19.9
175829 1999 TW_{98}	16.8	X	19.52886	198.09988	140.91437	5.85467	0.2692369	0.27171047	2.3608323	21	12 3.4	19.3
175830 1999 TH_{103}	16.6	X	0.29502	130.25030	262.34977	4.15210	0.1418891	0.27376174	2.3490245	21	12 25.9	18.9
175831 1999 TK_{117}	16.9	X	9.08147	56.40800	327.86593	2.18917	0.1763634	0.27410991	2.3470349	21	—	—
175832 1999 TL_{119}	16.8	X	36.67759	336.62313	10.99372	3.81214	0.1915338	0.27442530	2.3452364	21	12 25.8	19.7
175833 1999 TZ_{120}	16.7	X	109.34644	291.91897	16.53833	4.87014	0.1797236	0.27962987	2.3160451	21	—	—
175834 1999 TC_{129}	17.1	X	248.84562	14.76311	346.60878	2.96203	0.1907113	0.25778105	2.4451306	21	4 27.4	20.8
175835 1999 TB_{134}	17.1	X	305.64963	205.18340	235.20994	0.66535	0.1469117	0.27146760	2.3622401	21	11 20.0	19.2
175836 1999 TZ_{135}	16.6	X	283.22128	103.44274	356.67219	3.87728	0.1975696	0.26970675	2.3725106	21	10 27.6	18.8
175837 1999 TF_{138}	16.8	X	157.88178	282.63858	11.79711	6.47277	0.1927113	0.28361436	2.2943019	21	—	—
175838 1999 TN_{149}	16.9	X	196.10849	347.68034	334.88474	3.06562	0.2013910	0.29188672	2.2507460	21	1 21.1	20.4
175839 1999 TA_{178}	16.5	X	264.47067	199.46106	203.00387	4.50331	0.1008132	0.26127982	2.4232532	21	7 21.8	19.7
175840 1999 TJ_{185}	16.5	X	194.27266	327.27948	312.86159	6.46721	0.1229273	0.28546527	2.2843740	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
175841 1999 TR_{192}	15.9	X	62.91741	358.15903	335.69424	6.57941	0.1511120	0.27456705	2.3444291	21	—	—
175842 1999 TA_{200}	16.6	X	246.90679	295.80639	229.85902	5.45055	0.0652783	0.27492619	2.3423870	21	12 24.7	19.3
175843 1999 TH_{205}	16.6	X	353.31845	30.35960	24.69811	7.43949	0.1133128	0.27338621	2.3511751	21	—	—
175844 1999 TC_{216}	16.8	X	263.28355	319.12525	90.96861	2.87379	0.2028544	0.26202957	2.4186286	21	7 17.1	19.9
175845 1999 TF_{234}	16.3	X	50.72218	34.62302	324.87586	6.99916	0.1374532	0.27711165	2.3300551	21	—	—
175846 1999 TO_{285}	16.9	X	355.86524	223.92211	125.21050	2.99003	0.2277359	0.26842864	2.3800357	21	10 24.6	18.5
175847 1999 TF_{293}	16.3	X	331.10352	68.30676	333.36165	4.87570	0.1074023	0.26942997	2.3741352	21	11 9.5	18.7
175848 1999 TG_{295}	16.5	X	295.02652	134.42985	295.30736	4.79631	0.2161571	0.26971792	2.3724451	21	9 28.9	18.7
175849 1999 TA_{302}	16.5	X	331.29779	25.52112	35.29965	7.78900	0.0928799	0.27113281	2.3641843	21	12 8.9	19.0
175850 1999 TG_{321}	16.7	X	325.65171	227.60034	224.79963	7.37325	0.0571668	0.27588068	2.3369811	21	—	—
175851 1999 UF_{5}	16.9	X	91.37176	66.92380	336.36759	19.23517	0.1874501	0.37434932	1.9067102	21	—	—
175852 1999 UQ_{14}	16.3	X	97.81342	23.56276	61.09905	7.31228	0.2530247	0.24370826	2.5383756	21	4 1.0	19.6
175853 1999 UL_{27}	16.3	X	220.11756	277.72391	4.61430	7.90992	0.1252693	0.29110793	2.2547584	21	—	—
175854 1999 UX_{43}	16.4	X	266.27983	66.41766	359.92366	5.98847	0.0937835	0.26366668	2.4086067	21	8 31.6	19.4
175855 1999 UV_{47}	15.9	X	182.91938	333.42560	356.99548	8.19242	0.1594894	0.29018726	2.2595250	21	1 17.9	19.3
175856 1999 UQ_{56}	16.1	X	60.23222	49.71394	323.25927	6.37153	0.1322382	0.27879296	2.3206778	21	—	—
175857 1999 UZ_{59}	16.3	X	338.86650	22.46693	7.69165	6.78835	0.1141462	0.26940297	2.3742938	21	11 7.0	18.6
175858 1999 VL	16.5	X	306.19936	334.00114	66.74008	2.39030	0.1866475	0.26622381	2.3931585	21	9 15.3	18.5
175859 1999 VE_{3}	17.3	X	287.14480	281.87490	148.03720	1.55986	0.1577812	0.26544709	2.3978246	21	9 27.3	19.7
175860 1999 VH_{16}	17.0	X	251.02582	131.82496	344.49170	2.67043	0.1594083	0.26735508	2.3864028	21	10 6.9	19.9
175861 1999 VW_{37}	15.7	X	90.46760	189.46899	248.73897	6.74709	0.1521571	0.24074757	2.5591443	21	2 18.0	18.8
175862 1999 VC_{41}	16.7	X	114.19561	160.72497	220.08430	7.73661	0.1564247	0.24049674	2.5609234	21	1 9.5	20.0
175863 1999 VA_{65}	16.6	X	245.07621	248.79686	223.46102	1.21890	0.1489657	0.26472624	2.4021754	21	9 25.3	19.6
175864 1999 VC_{65}	16.6	X	49.34591	132.71740	223.21926	3.54297	0.1370415	0.27435673	2.3456271	21	—	—
175865 1999 VW_{65}	16.1	X	119.76466	286.71686	153.32521	1.07738	0.1223299	0.24599097	2.5226477	21	3 30.8	19.4
175866 1999 VV_{69}	16.8	X	314.36259	354.32826	45.08268	8.11523	0.0902200	0.26658272	2.3910100	21	10 11.4	19.3
175867 1999 VW_{86}	16.2	X	320.17263	238.86695	151.18325	11.62279	0.1430889	0.26618984	2.3933621	21	10 5.5	18.5
175868 1999 VH_{91}	16.8	X	134.55983	286.80722	33.53780	8.17285	0.1497911	0.28276693	2.2988836	21	—	—
175869 1999 VD_{123}	16.1	X	118.33756	172.74939	214.07977	4.69638	0.1231535	0.24005693	2.5640503	21	1 18.2	19.4
175870 1999 VU_{124}	17.1	X	167.91206	14.53405	178.99420	2.53406	0.0920390	0.26549531	2.3975342	21	10 21.4	20.6
175871 1999 VV_{125}	17.3	X	330.74040	345.40141	54.88123	2.31884	0.1836792	0.26875274	2.3781219	21	11 10.7	19.1
175872 1999 VN_{132}	17.1	X	268.05982	248.90600	187.42462	2.45412	0.1879552	0.26316571	2.4116624	21	8 30.7	20.1
175873 1999 VL_{136}	16.3	X	102.84565	322.86648	50.97398	13.09481	0.1857296	0.23696048	2.5863389	21	—	—
175874 1999 VQ_{139}	17.5	X	212.63388	275.59001	323.17139	1.76901	0.0767683	0.28053668	2.3110514	21	—	—
175875 1999 VG_{148}	16.2	X	293.50929	341.74748	62.06972	7.94035	0.1197086	0.26418194	2.4054738	21	9 9.8	18.9
175876 1999 VS_{153}	17.1	X	191.54123	69.79006	174.75491	2.29375	0.1295905	0.27597226	2.3364640	21	—	—
175877 1999 VC_{168}	16.6	X	202.93731	106.11922	26.79816	2.68619	0.1421931	0.26046449	2.4283076	21	9 6.9	20.1
175878 1999 VZ_{168}	17.1	X	326.62734	358.09766	42.44872	3.24550	0.2065404	0.26741066	2.3860721	21	10 31.6	18.7
175879 1999 VQ_{182}	17.0	X	145.89580	324.85947	62.40458	4.18031	0.2255348	0.24380895	2.5376767	21	3 6.3	21.0
175880 1999 VD_{185}	16.7	X	262.05827	248.44509	198.90122	3.34936	0.1518893	0.26327385	2.4110020	21	9 12.4	19.8
175881 1999 VJ_{188}	16.8	X	330.29237	276.82841	105.13067	3.30789	0.2085923	0.26677964	2.3898332	21	10 11.3	18.4
175882 1999 VG_{191}	16.3	X	291.03237	19.34387	61.39654	8.34955	0.0869697	0.26595472	2.3947724	21	10 31.7	19.0
175883 1999 VP_{200}	15.5	X	134.29991	270.87888	127.05260	15.60284	0.1141150	0.24322176	2.5417593	21	2 22.9	19.1
175884 1999 VJ_{202}	16.6	X	311.46912	61.77938	332.78992	6.54891	0.1209884	0.26697849	2.3886464	21	9 21.1	19.1
175885 1999 VE_{211}	16.9	X	359.39824	142.96329	198.92932	3.31556	0.1221717	0.26526336	2.3989316	21	10 5.6	19.0
175886 1999 VV_{212}	16.7	X	124.13121	273.73388	75.53827	1.89467	0.1469019	0.23673426	2.5879863	21	—	—
175887 1999 WL_{8}	16.7	X	293.96129	36.64856	27.44168	6.79545	0.1064409	0.26645944	2.3917474	21	10 8.9	19.2
175888 1999 WQ_{14}	16.7	X	200.77692	72.16242	65.14093	2.25294	0.1203624	0.26169650	2.4206803	21	9 12.3	20.3
175889 1999 WJ_{16}	17.4	X	300.92197	213.93506	180.27418	0.98192	0.1631429	0.26425287	2.4050434	21	8 27.1	19.6
175890 1999 XB_{5}	16.5	X	297.60061	284.85920	112.27872	3.33830	0.1793224	0.26357230	2.4091816	21	8 23.9	19.0
175891 1999 XG_{43}	16.5	X	121.69277	157.58099	261.63347	1.55344	0.2372327	0.24387961	2.5371865	21	3 20.3	20.1
175892 1999 XJ_{47}	16.6	X	244.62573	189.17889	259.50090	3.78248	0.1784473	0.26101978	2.4248624	21	8 18.0	20.0
175893 1999 XN_{51}	16.5	X	74.67733	19.29258	62.08452	5.23646	0.2202098	0.23910551	2.5708476	21	2 12.9	19.1
175894 1999 XK_{54}	17.0	X	260.91935	299.24061	132.77213	1.77081	0.1692813	0.26144898	2.4222079	21	8 18.5	20.1
175895 1999 XJ_{122}	16.3	X	272.82414	138.54657	287.63843	9.58742	0.1654311	0.26342735	2.4100653	21	8 23.2	19.5
175896 1999 XN_{134}	16.2	X	46.40327	50.98965	53.07027	13.47739	0.2060959	0.23483549	2.6019178	21	1 15.8	18.7
175897 1999 XG_{139}	15.8	X	92.04786	352.19279	82.48144	4.94733	0.2008151	0.23802544	2.5786188	21	3 2.0	18.8
175898 1999 XL_{185}	16.6	X	238.90159	132.89093	318.24443	6.13964	0.2006595	0.25979342	2.4324875	21	8 13.7	20.3
175899 1999 XW_{205}	15.8	X	93.06131	105.83558	311.61313	21.77345	0.0938068	0.23542449	2.5975761	21	1 23.2	19.0
175900 1999 XM_{217}	16.3	X	308.59727	234.01410	105.18172	15.26511	0.2792106	0.25524251	2.4613160	21	5 31.0	19.3
175901 1999 XT_{230}	17.7	X	261.89703	215.29404	204.21769	1.62022	0.2092463	0.26019719	2.4299704	21	7 26.7	20.9
175902 1999 YP_{3}	16.1	X	324.24762	29.14024	123.51768	24.04607	0.0656087	0.36774592	1.9294675	21	—	—
175903 1999 YL_{5}	16.6	X	295.49767	352.84064	57.04203	3.21237	0.1936459	0.26259671	2.4151449	21	9 6.9	18.9
175904 1999 YX_{7}	17.4	X	339.43678	143.57733	229.49539	0.60509	0.1830426	0.26521112	2.3992467	21	10 16.6	19.1
175905 1999 YD_{23}	16.6	X	122.05772	350.90346	90.19536	7.10009	0.2310575	0.24494490	2.5298248	21	4 20.9	20.4
175906 1999 YG_{27}	17.1	X	288.34893	71.81543	142.32409	3.04480	0.1548742	0.28181866	2.3040375	21	—	—
175907 2000 AR_{36}	17.0	X	187.88792	176.50079	321.20950	0.94335	0.1530626	0.25592874	2.4569143	21	8 26.9	20.7
175908 2000 AK_{43}	16.5	X	10.91424	139.93490	294.43182	19.32794	0.0608128	0.36342165	1.9447429	21	—	—
175909 2000 AE_{61}	14.9	X	351.38460	101.79973	118.90668	32.19760	0.1199037	0.23876102	2.5733198	21	3 30.7	18.6
175910 2000 AQ_{154}	16.3	X	318.87781	354.96362	40.22321	9.56332	0.2744856	0.26714325	2.3876642	21	9 28.8	17.7
175911 2000 AT_{250}	17.5	X	272.75441	60.89934	334.15527	0.08005	0.2186570	0.25955323	2.4339880	21	7 5.4	20.5
175912 2000 AU_{251}	17.0	X	275.07114	323.03682	95.96084	3.20407	0.1692188	0.26096088	2.4252273	21	8 20.9	19.9
175913 2000 BM_{32}	16.3	X	323.35028	40.52316	130.03039	2.94565	0.1349686	0.22973263	2.6403060	21	—	—
175914 2000 BC_{39}	17.0	X	138.66543	149.62723	298.19937	2.94304	0.1252967	0.24394043	2.5367647	21	5 1.3	20.7
175915 2000 CA_{41}	15.4	X	56.99379	174.95280	337.41555	26.43145	0.1895171	0.23672940	2.5880217	21	3 31.4	18.6
175916 2000 CQ_{48}	16.5	X	186.59719	301.35432	176.04166	8.93088	0.1763260	0.25106495	2.4885440	21	7 27.9	20.6
175917 2000 CX_{67}	16.7	X	199.70930	50.31711	158.80799	1.43059	0.1268999	0.26366520	2.4086157	21	12 11.3	20.2
175918 2000 CE_{102}	16.2	X	142.88041	270.56427	257.90385	5.50304	0.1127034	0.25101439	2.4888782	21	8 18.7	20.0
175919 2000 CL_{112}	15.9	X	289.61758	284.84846	248.38699	7.72636	0.1648340	0.22328927	2.6908582	21	—	—
175920 Francisnimmo	16.6	X	235.94481	208.21654	143.88511	7.32478	0.1767880	0.24255388	2.5464231	21	4 9.4	20.7

ELEMENTS AND OPPOSITION DATES IN 2021

ECLIPTIC AND EQUINOX 2000.0, EPOCH 2021 JULY 5.0 TT

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
175921 2000 DM_1	18.2	X	45.12716	306.70768	342.77639	20.70215	0.4839745	0.61533336	1.3689757	21	—	—
175922 2000 DY_{12}	16.9	X	76.53678	13.93559	164.35085	4.70223	0.0753359	0.24086369	2.5583217	21	6 7.9	20.1
175923 2000 DW_{16}	16.3	X	174.57258	69.80714	338.20286	28.71749	0.1282977	0.24089675	2.5580876	21	4 2.9	20.8
175924 2000 DK_{38}	16.6	X	349.63119	56.48790	161.56007	5.09001	0.0900716	0.23645612	2.5900154	21	3 15.7	19.7
175925 2000 DU_{40}	17.2	X	129.26723	156.59733	319.83385	2.25964	0.1869189	0.24378883	2.5378163	21	6 4.8	21.2
175926 2000 DV_{47}	16.7	X	77.04652	20.56734	157.33097	8.36861	0.1159369	0.24280523	2.5446655	21	6 14.9	20.1
175927 2000 DW_{54}	16.5	X	61.43126	237.18000	345.62154	4.25248	0.1095035	0.24535987	2.5269716	21	7 24.9	19.6
175928 2000 DE_{79}	16.8	X	177.06580	326.28486	348.71581	19.05197	0.0619103	0.36606016	1.9353866	21	—	—
175929 2000 DB_{88}	15.1	X	256.44945	10.78775	13.54479	2.64104	0.0392661	0.24725666	2.5140315	21	6 26.0	18.3
175930 2000 DM_{91}	16.7	X	236.50922	185.15278	168.03344	4.52588	0.1494012	0.23992143	2.5650157	21	4 11.5	20.7
175931 2000 DD_{105}	16.5	X	118.93042	335.60361	138.40195	4.07550	0.1468479	0.24180584	2.5516721	21	5 18.5	20.1
175932 2000 DT_{117}	16.5	X	122.66365	122.08167	345.05530	2.58901	0.0708339	0.24024438	2.5627165	21	5 1.6	20.0
175933 2000 EA_{10}	16.6	X	36.16193	249.94916	343.05323	4.56331	0.1187307	0.24270687	2.5453529	21	6 28.3	19.3
175934 2000 ES_{26}	16.6	X	83.98769	295.64004	179.64307	23.47418	0.1049220	0.37394034	1.9081002	21	2 25.7	18.0
175935 2000 EX_{52}	17.2	X	109.95728	167.34854	340.51580	1.12200	0.0794420	0.24324880	2.5415710	21	6 11.7	20.6
175936 2000 EJ_{73}	15.0	X	274.70028	144.57839	339.90327	1.95285	0.1409923	0.12569347	3.9469435	21	10 30.9	20.5
175937 2000 EN_{118}	15.7	X	107.68823	80.24521	35.23833	9.31441	0.1130568	0.24098693	2.5574494	21	4 30.2	19.0
175938 2000 EE_{119}	16.6	X	88.55158	158.64455	19.17152	12.34466	0.2098000	0.24422534	2.5347914	21	7 17.7	20.4
175939 2000 EF_{128}	16.7	X	92.33546	330.07279	162.43503	12.36392	0.1844142	0.23931324	2.5693597	21	5 17.9	20.3
175940 2000 EY_{200}	16.7	X	84.30436	78.84247	323.60778	18.07136	0.1065776	0.36616715	1.9350096	21	—	—
175941 2000 FN_{27}	15.7	X	16.29444	116.13780	9.37626	13.24161	0.2033336	0.22788593	2.6545508	21	—	—
175942 2000 FC_{38}	16.5	X	333.74476	121.51875	119.54825	4.45515	0.2243170	0.23239462	2.6201048	21	3 3.7	19.5
175943 2000 GE_1	15.9	X	138.04130	129.27222	156.77641	24.16519	0.3360010	0.34799093	2.0018157	21	—	—
175944 2000 GH_4	16.8	X	30.30635	11.16557	171.16614	21.39660	0.0605136	0.37293654	1.9115225	21	3 5.6	18.3
175945 2000 GC_{13}	15.7	X	82.89072	164.04873	13.15956	13.14816	0.1293708	0.24158293	2.5532414	21	6 23.7	19.3
175946 2000 GG_{16}	15.9	X	164.68429	265.57946	345.43095	2.90071	0.0658766	0.21382516	2.7696837	21	12 21.4	20.1
175947 2000 GL_{20}	16.6	X	353.03795	59.65870	189.56032	6.09575	0.1252401	0.23689848	2.5867901	21	5 2.2	19.3
175948 2000 GR_{25}	16.5	X	327.86596	42.18183	200.64081	3.43125	0.0855503	0.23301772	2.6154319	21	3 16.2	19.9
175949 2000 GF_{93}	15.6	X	274.55856	97.34945	98.63708	9.97923	0.1127243	0.22079469	2.7110881	21	—	—
175950 2000 GJ_{105}	16.1	X	337.47637	193.69162	73.08828	5.68501	0.2043087	0.23472695	2.6027198	21	4 19.7	18.7
175951 2000 GL_{141}	15.9	X	107.88580	59.38916	128.74830	8.23769	0.1266036	0.24433838	2.5340096	21	8 9.7	19.5
175952 2000 GS_{166}	15.7	X	229.90489	241.51841	25.47038	14.30787	0.0666234	0.22193553	2.7017894	21	—	—
175953 2000 GQ_{182}	16.3	X	93.37830	38.49168	133.71192	6.91659	0.1829581	0.23978645	2.5659782	21	7 8.6	19.8
175954 2000 GE_{186}	16.4	X	21.45688	147.70768	80.35046	5.54113	0.1716658	0.23652472	2.5895146	21	5 27.3	18.6
175955 2000 HS_{19}	16.0	X	136.72216	231.81157	142.73807	6.77299	0.0381595	0.22222697	2.6994267	21	1 17.9	19.6
175956 2000 HC_{59}	16.5	X	34.95050	229.25850	8.79788	4.23781	0.2267131	0.23888605	2.5724218	21	7 20.8	18.9
175957 2000 HQ_{59}	16.4	X	335.94164	351.95778	237.31861	4.41333	0.1803828	0.23051147	2.6343553	21	2 22.8	19.6
175958 2000 HZ_{78}	15.6	X	281.53490	173.11970	95.08578	15.22465	0.2218770	0.22770635	2.6559463	21	2 6.0	19.9
175959 2000 HS_{84}	15.9	X	64.07128	65.74937	144.05491	6.15317	0.1241518	0.23929795	2.5694691	21	7 11.1	19.1
175960 2000 HD_{85}	15.9	X	217.16116	141.99646	120.35791	10.89211	0.1909880	0.21849814	2.7300518	21	—	—
175961 2000 JK_1	15.1	X	311.90482	113.84331	176.13377	28.86494	0.3474707	0.22901389	2.6458273	21	3 17.5	18.5
175962 2000 JR_{42}	15.6	X	90.79054	13.81622	42.71242	15.14253	0.0784789	0.22284645	2.6944217	21	1 21.3	19.3
175963 2000 JF_{67}	16.7	X	357.87302	129.04903	37.45653	3.71272	0.0723260	0.22643891	2.6658477	21	1 22.8	20.0
175964 2000 JD_{79}	15.1	X	250.76053	291.69582	266.64973	11.89141	0.1403847	0.21951104	2.7216470	21	—	—
175965 2000 JR_{81}	16.4	X	27.19756	244.82952	36.99370	3.32301	0.1385786	0.24360672	2.5390809	21	8 28.8	19.0
175966 2000 KB_{49}	16.2	X	103.20844	330.32150	154.71911	4.88254	0.2234783	0.23498960	2.6007800	21	5 25.2	20.0
175967 2000 KL_{54}	15.4	X	234.62759	141.39184	126.83550	14.34690	0.1762678	0.21934465	2.7230233	21	—	—
175968 2000 LB_{13}	15.6	X	343.38309	107.35851	178.57955	4.93065	0.2159912	0.23333388	2.6130688	21	5 29.0	17.9
175969 2000 LQ_{22}	16.0	X	231.54151	49.44130	224.64045	10.62617	0.1341239	0.21932593	2.7231782	21	1 1.9	20.5
175970 2000 LM_{24}	15.6	X	193.53479	134.08842	169.89962	13.06976	0.2860640	0.21458050	2.7631802	21	1 9.1	20.8
175971 2000 LW_{34}	16.1	X	295.44569	144.81556	104.92566	14.05172	0.2041364	0.22844006	2.6502563	21	1 28.6	20.0
175972 2000 LX_{37}	16.0	X	119.84480	228.25587	103.85645	7.09677	0.0208723	0.21378406	2.7700387	21	—	—
175973 2000 NB_{13}	16.7	X	227.80762	161.50546	175.21531	3.68688	0.1660058	0.31422613	2.1427649	21	3 3.7	19.9
175974 2000 NC_{13}	14.6	X	247.87090	236.34273	142.07679	23.04212	0.2574366	0.17895759	3.1186692	21	5 23.7	20.2
175975 2000 OB_4	16.6	X	183.68843	56.52638	265.54411	4.80734	0.1729267	0.30697933	2.1763561	21	1 3.8	19.7
175976 2000 OJ_{38}	15.0	X	195.59311	136.75317	241.25405	9.37490	0.3074852	0.17217606	3.2000311	21	4 5.6	21.0
175977 2000 OO_{41}	15.4	X	344.67816	88.39365	166.57614	17.70027	0.2768005	0.22850551	2.6497502	21	4 6.6	18.0
175978 2000 PL_{10}	15.3	X	320.04622	248.97495	20.30656	10.03879	0.1815797	0.22418751	2.6836658	21	3 29.2	18.5
175979 2000 PH_{26}	14.4	X	305.75487	49.74694	305.88493	21.36816	0.2032857	0.18225280	3.0809636	21	7 4.0	18.5
175980 2000 QV_6	15.5	X	212.10408	128.50175	147.11176	21.09969	0.2271503	0.21263501	2.7800090	21	—	—
175981 2000 QO_{29}	14.7	X	173.52070	289.16811	355.51099	14.39972	0.1394242	0.20499026	2.8487034	21	—	—
175982 2000 QS_{40}	15.1	X	287.03372	18.10124	329.73796	9.53963	0.1412269	0.18176027	3.0865270	21	6 2.2	19.6
175983 2000 QN_{43}	17.1	X	95.22403	198.48841	163.91615	3.79473	0.1995649	0.29853582	2.2172011	21	—	—
175984 2000 QN_{48}	16.8	X	58.99111	237.73433	156.91869	4.31952	0.1537293	0.29714677	2.2241054	21	—	—
175985 2000 QE_{52}	15.4	X	332.25503	40.48412	332.22149	8.77116	0.2620895	0.18798227	3.0180386	21	9 7.0	18.0
175986 2000 QN_{71}	15.3	X	6.60173	41.89978	321.86975	9.03371	0.1046484	0.19290452	2.9664779	21	10 29.7	19.2
175987 2000 QF_{74}	15.4	X	7.84102	205.24578	167.94746	11.16907	0.1418043	0.19327834	2.9626517	21	11 23.6	19.1
175988 2000 QL_{79}	14.8	X	251.47168	225.94369	171.86905	23.51195	0.1992910	0.17923233	3.1154813	21	6 19.6	20.1
175989 2000 QG_{94}	14.9	X	202.84257	108.18300	322.90550	15.23439	0.2279893	0.17680405	3.1439424	21	6 15.1	20.5
175990 2000 QQ_{119}	14.8	X	239.58293	48.34828	335.11514	18.52402	0.2196595	0.17605232	3.1528856	21	5 12.8	20.4
175991 2000 QN_{131}	14.4	X	199.16441	79.94201	2.36999	25.07404	0.2105779	0.17495770	3.1660225	21	6 27.3	20.2
175992 2000 QC_{134}	15.3	X	6.99015	220.75514	139.63824	10.40025	0.2106509	0.19260478	2.9695548	21	11 14.6	18.7
175993 2000 QB_{145}	15.3	X	292.08512	221.20148	160.76459	18.15093	0.2660690	0.18213785	3.0822598	21	7 5.3	19.7
175994 2000 QM_{155}	14.9	X	245.39238	86.11591	279.53763	8.50639	0.2439521	0.17727778	3.1383389	21	4 28.6	20.2
175995 2000 QO_{155}	15.6	X	306.44312	104.11350	184.38769	12.70944	0.2543278	0.22584560	2.6705146	21	3 22.7	19.2
175996 2000 QK_{156}	15.4	X	3.74779	170.04600	196.18980	10.31315	0.1577041	0.19255632	2.9700530	21	11 8.1	18.8
175997 2000 QZ_{159}	15.1	X	11.69080	49.10350	294.53940	13.38612	0.2050013	0.19243263	2.9713255	21	10 20.2	18.7
175998 2000 QN_{168}	17.3	X	172.92351	122.85231	233.75566	3.14993	0.1872544	0.30762809	2.1732952	21	2 6.5	20.4
175999 2000 QW_{173}	15.0	X	238.29276	102.44914	279.81006	6.94791	0.2504026	0.17746345	3.1361496	21	5 13.3	20.4
176000 2000 QL_{213}	14.9	X	36.19155	287.23219	359.76736	15.60956	0.0544360	0.18637466	3.0353689	21	9 5.1	19.0