Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
180001 2002 YZ	15.7	X	22.52567	167.30428	315.52114	13.25876	0.1376649	0.21754977	2.7379802	21	1 1.3	18.8
180002 2002 YD_4	16.5	X	47.38702	61.62408	29.94563	1.18266	0.2810158	0.21864637	2.7288177	21	1 7.6	18.2
180003 2002 YU_5	15.7	X	298.33115	212.50230	309.57751	6.93460	0.1564334	0.20914000	2.8108952	21	—	—
180004 2002 YY_8	15.9	X	96.70704	309.86972	96.34723	10.09414	0.1066439	0.22086766	2.7104909	21	1 17.5	19.2
180005 2002 YQ_{12}	15.5	X	15.11272	280.56509	268.37708	11.14102	0.1499089	0.22782047	2.6550593	21	3 8.5	18.5
180006 2002 YQ_{13}	16.1	X	358.61982	344.21455	118.88185	5.55788	0.1328940	0.21308368	2.7761052	21	—	—
180007 2002 YM_{14}	16.0	X	283.76856	177.11542	187.76763	3.37836	0.2165234	0.24572174	2.5244900	21	6 8.6	19.3
180008 2002 YZ_{18}	16.0	X	220.81531	132.36934	242.42869	2.90965	0.2082974	0.23803802	2.5785278	21	4 19.6	20.3
180009 2002 YY_{20}	15.6	X	285.84164	274.61492	94.54267	2.84214	0.1063196	0.24615934	2.5214973	21	7 5.1	18.5
180010 2002 YR_{22}	15.0	X	85.05505	143.98078	99.22595	11.25364	0.0605756	0.19286478	2.9668854	21	9 16.4	19.4
180011 2002 YO_{25}	16.6	X	133.81158	357.49667	90.51061	1.83187	0.1388393	0.23132721	2.6281586	21	4 30.3	20.4
180012 2002 YM_{26}	16.0	X	35.25437	186.89022	306.67567	4.54374	0.0051972	0.22265568	2.6959605	21	2 3.9	19.7
180013 2002 YV_{26}	15.5	X	340.54420	74.53059	101.51617	16.10114	0.2528126	0.21707082	2.7420061	21	—	—
180014 2002 YP_{32}	16.5	X	144.78354	109.16466	350.40845	2.22389	0.0655827	0.23809260	2.5781338	21	5 18.8	20.0
180015 2003 AH_1	15.5	X	86.81437	329.73733	126.51984	14.75847	0.2140657	0.22575435	2.6712342	21	3 31.2	19.1
180016 2003 AW_1	15.7	X	213.12846	12.51612	359.09907	9.25240	0.2414183	0.23625495	2.5914855	21	4 7.7	20.2
180017 2003 AJ_2	15.6	X	54.96089	354.58237	94.35002	13.03960	0.1636683	0.21662936	2.7457300	21	1 14.3	18.5
180018 2003 AU_8	15.4	X	98.16261	251.72189	158.13283	27.76582	0.2020647	0.22372183	2.6873887	21	2 5.5	18.9
180019 2003 AR_{10}	16.1	X	170.26686	228.66848	194.82003	6.12787	0.1758003	0.23512321	2.5997947	21	5 8.3	20.2
180020 2003 AO_{12}	15.5	X	84.60568	301.31316	130.84096	15.38452	0.1645032	0.22250944	2.6971416	21	2 10.9	18.6
180021 2003 AP_{14}	15.6	X	176.97596	4.05709	27.87303	8.55287	0.1927797	0.23258883	2.6186461	21	4 6.1	19.8
180022 2003 AD_{16}	16.3	X	230.35474	25.88464	329.39580	1.83887	0.2524710	0.23545418	2.5973578	21	4 2.2	20.8
180023 2003 AU_{16}	16.7	X	112.54191	69.23331	316.75128	19.88342	0.0623073	0.37737690	1.8964985	21	—	—
180024 2003 AO_{17}	15.8	X	44.57743	345.17103	113.22502	11.02270	0.1596026	0.21928337	2.7235306	21	1 5.9	18.7
180025 2003 AU_{20}	15.9	X	120.38566	86.67760	65.09136	5.67448	0.1095913	0.23700223	2.5860352	21	7 4.3	19.7
180026 2003 AD_{22}	15.8	X	109.99502	84.21790	319.69526	10.45884	0.1989561	0.22257307	2.6966276	21	2 13.7	19.5
180027 2003 AY_{24}	16.2	X	49.72222	325.97011	107.47224	4.21039	0.1923037	0.21808340	2.7335119	21	—	—
180028 2003 AM_{33}	15.6	X	49.66237	112.29278	111.85774	12.51421	0.1424589	0.23372936	2.6101204	21	7 12.0	18.6
180029 2003 AS_{37}	16.1	X	202.34879	205.05440	182.90821	2.88892	0.2733644	0.23569349	2.5955993	21	4 21.5	20.7
180030 2003 AM_{39}	15.8	X	20.91413	30.71453	126.13825	10.17161	0.1345844	0.22122031	2.7076096	21	2 12.4	18.7
180031 2003 AR_{43}	15.8	X	84.80743	14.30036	20.67702	5.34641	0.1673496	0.21876272	2.7278502	21	—	—
180032 2003 AU_{44}	15.6	X	158.64218	306.78932	73.66917	12.11741	0.1336522	0.22665032	2.6641898	21	3 8.3	19.9
180033 2003 AV_{48}	15.9	X	130.70208	323.46626	65.72879	7.70046	0.2304228	0.22449101	2.6812465	21	2 26.5	20.1
180034 2003 AH_{52}	15.7	X	99.18345	78.48078	316.71846	8.17112	0.2188732	0.21958772	2.7210134	21	1 24.3	19.1
180035 2003 AG_{60}	15.7	X	35.26816	339.37596	102.76008	14.05628	0.1555642	0.21371111	2.7706691	21	—	—
180036 2003 AD_{63}	16.4	X	78.24362	55.73088	112.93542	3.03093	0.0428721	0.23305227	2.6151734	21	5 23.3	19.8
180037 2003 AD_{65}	15.8	X	157.85100	22.27380	41.46299	10.91262	0.1842627	0.23212278	2.6221501	21	4 27.3	19.8
180038 2003 AO_{66}	16.2	X	28.15376	55.23998	15.96621	9.15187	0.1871837	0.21380904	2.7698229	21	—	—
180039 2003 AR_{67}	16.0	X	19.53360	119.40154	333.42218	14.95940	0.1940050	0.21426957	2.7658527	21	—	—
180040 2003 AX_{72}	15.6	X	112.04297	336.76871	82.09502	14.03605	0.1331563	0.22380848	2.6866949	21	3 4.9	19.5
180041 2003 AY_{72}	15.2	X	108.75612	77.57376	79.18988	9.57106	0.2311106	0.17941111	3.1134113	21	7 11.5	20.2
180042 2003 AQ_{75}	15.3	X	58.40819	110.58672	347.06466	12.42164	0.2261961	0.22071520	2.7117390	21	2 10.8	17.9
180043 2003 AF_{77}	16.0	X	2.56752	60.85226	66.22272	10.19255	0.2069652	0.21483979	2.7609566	21	—	—
180044 2003 AJ_{88}	15.5	X	6.04865	286.53292	180.07956	13.85642	0.2021379	0.21326990	2.7744890	21	—	—
180045 2003 AR_{91}	15.2	X	105.75613	128.42749	12.06299	11.28414	0.0744549	0.17741856	3.1366786	21	5 26.7	19.8
180046 2003 BB_5	16.0	X	356.34138	359.32543	178.01954	7.57170	0.0808896	0.21904579	2.7254995	21	2 1.6	19.5
180047 2003 BM_9	15.7	X	2.03956	70.50852	149.50540	9.69566	0.1193756	0.22697981	2.6616109	21	4 10.3	18.7
180048 2003 BH_{10}	15.5	X	335.96771	309.57365	289.07365	8.62129	0.2580179	0.22327990	2.6909335	21	2 22.8	18.8
180049 2003 BN_{14}	15.5	X	313.96785	103.94549	144.60779	13.32644	0.1599066	0.22287713	2.6941745	21	2 24.4	19.1
180050 2003 BR_{21}	16.9	X	74.11201	92.13796	311.97855	21.03853	0.1551619	0.37435406	1.9066941	21	—	—
180051 2003 BJ_{22}	16.1	X	131.61367	263.10374	162.59977	13.90729	0.1727510	0.23105191	2.6302458	21	4 5.4	20.1
180052 2003 BU_{23}	15.8	X	303.48901	62.34757	195.70450	12.27642	0.0555932	0.22366874	2.6878138	21	3 7.2	19.4
180053 2003 BU_{25}	15.4	X	84.57476	223.63267	199.19101	11.05301	0.1631868	0.22298662	2.6932925	21	1 25.3	18.8
180054 2003 BY_{30}	15.9	X	183.64005	207.55258	126.15891	5.74581	0.0026010	0.21806904	2.7336320	21	1 21.7	19.6
180055 2003 BR_{32}	16.1	X	113.72575	20.85880	309.65302	4.46416	0.0413024	0.20819788	2.8193685	21	—	—
180056 2003 BO_{39}	15.6	X	227.31920	323.89195	298.63730	10.75482	0.1351278	0.21231821	2.7827737	21	—	—
180057 2003 BU_{45}	16.3	X	331.50812	115.43041	153.09783	2.51075	0.0997117	0.22950083	2.6420836	21	4 26.4	19.3
180058 2003 BM_{50}	15.7	X	301.27285	62.72479	142.88068	9.19665	0.1415920	0.21448435	2.7640060	21	—	—
180059 2003 BL_{65}	16.3	X	11.12479	300.36202	157.46114	2.00235	0.1926949	0.21173164	2.7879108	21	—	—
180060 2003 BV_{65}	15.5	X	22.72415	46.22153	76.66918	10.48788	0.1037724	0.21552865	2.7550704	21	1 2.7	18.7
180061 2003 BG_{66}	15.0	X	76.78415	222.84413	322.01417	9.07991	0.1649186	0.17618802	3.1512665	21	7 3.1	19.4
180062 2003 BT_{71}	15.7	X	334.79883	354.63746	185.01833	9.38029	0.1028948	0.21562383	2.7542597	21	1 3.6	19.5
180063 2003 BC_{76}	15.8	X	294.52894	130.50407	47.50399	8.79801	0.1524561	0.20917746	2.8105595	21	—	—
180064 2003 BP_{78}	15.4	X	328.76272	233.75201	351.47259	7.80121	0.1423954	0.22264426	2.6960527	21	2 18.1	18.7
180065 2003 BF_{79}	15.7	X	348.63270	140.38157	333.66608	8.99082	0.2439996	0.21106535	2.7937750	21	—	—
180066 2003 BN_{79}	15.7	X	337.42285	31.46122	64.93880	5.88566	0.0713528	0.20622227	2.8373463	21	—	—
180067 2003 BY_{80}	16.1	X	351.30904	25.07888	139.65143	3.40946	0.0756716	0.21589013	2.7519942	21	1 11.8	19.6
180068 2003 BK_{82}	15.9	X	229.61272	38.39055	352.55983	7.30340	0.1983840	0.23819698	2.5773806	21	5 16.3	20.1
180069 2003 BW_{82}	15.6	X	160.91684	50.61234	291.41704	5.29424	0.0389236	0.21472018	2.7619818	21	1 8.9	19.4
180070 2003 BU_{90}	15.5	X	95.90331	349.84121	86.96518	13.62861	0.0480255	0.22201201	2.7011689	21	2 20.7	19.3
180071 2003 BH_{92}	15.5	X	183.91052	122.10006	45.41033	13.49989	0.0800791	0.19074726	2.9888022	21	10 3.4	20.2
180072 2003 CS_2	16.2	X	318.33032	4.15208	152.67358	12.13555	0.1498530	0.21076351	2.7964416	21	—	—
180073 2003 CX_2	15.6	X	268.50782	283.14394	283.39460	7.66068	0.0962625	0.20923487	2.8100455	21	—	—
180074 2003 CB_4	15.1	X	181.61979	111.12457	292.37327	12.86620	0.2009330	0.23556918	2.5965124	21	4 17.3	19.7
180075 2003 CM_{12}	15.8	X	61.09471	140.09629	322.79679	5.29185	0.0127037	0.21812278	2.7331829	21	1 31.2	19.4
180076 2003 CO_{12}	15.7	X	320.33079	128.09829	331.80881	6.89102	0.0285376	0.20307545	2.8665824	21	12 28.1	19.6
180077 2003 CZ_{21}	16.1	X	78.81205	264.39823	176.78582	9.38058	0.2374437	0.22011420	2.7166728	21	2 23.6	19.2
180078 2003 CG_{25}	14.7	X	48.89449	118.41690	150.08275	17.33022	0.0748083	0.17890028	3.1193352	21	8 28.6	18.8
180079 2003 DU_2	15.3	X	145.69108	224.95894	332.56674	9.08123	0.1380308	0.18704106	3.0281548	21	9 23.6	20.2
180080 2003 DZ_{10}	14.8	X	30.13351	125.68695	101.01562	23.98851	0.2800985	0.17003346	3.2268575	21	6 29.9	18.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
180081 2003 DA_{11}	16.0	X	324.72656	114.07946	340.10317	6.82723	0.0470352	0.20198252	2.8769138	21	12 26.4	19.8
180082 2003 DZ_{11}	15.9	X	269.74575	61.66705	155.54529	4.38133	0.0398069	0.20963156	2.8064993	21	—	—
180083 2003 DT_{19}	15.6	X	164.78229	21.66919	164.73072	9.98652	0.1258586	0.18953021	3.0015834	21	10 2.4	20.4
180084 2003 DV_{24}	15.2	X	237.29365	51.57329	346.87300	14.95927	0.1086833	0.17995378	3.1071489	21	6 12.9	20.2
180085 2003 EW_{1}	15.1	X	153.98049	105.46224	6.59354	11.23421	0.0502283	0.17853781	3.1235557	21	6 15.8	19.9
180086 2003 EE_{4}	16.3	X	163.97028	183.32022	186.38942	23.34294	0.0709593	0.37560314	1.9024645	21	1 15.1	19.0
180087 2003 EL_{8}	15.3	X	314.06725	272.41787	295.89135	8.02226	0.0921383	0.21471645	2.7620138	21	1 15.4	19.1
180088 2003 EQ_{27}	15.1	X	218.25061	183.97326	31.15000	9.06767	0.0999530	0.19919380	2.9037028	21	12 30.4	19.5
180089 2003 ER_{27}	15.0	X	42.18735	95.57505	163.86353	16.86395	0.2055887	0.17693786	3.1423571	21	8 24.3	18.8
180090 2003 EX_{28}	15.0	X	65.68923	73.47767	181.94079	16.45247	0.1723612	0.17814599	3.1281339	21	9 16.3	19.3
180091 2003 ED_{32}	16.2	X	317.44394	109.66577	12.27911	1.07876	0.1214778	0.20484543	2.8500460	21	—	—
180092 2003 EC_{36}	15.5	X	156.80730	269.27356	17.22149	6.50910	0.0378832	0.20185761	2.8781006	21	—	—
180093 2003 EJ_{41}	15.7	X	20.06487	192.19702	146.76803	10.17794	0.0704813	0.19020811	2.9944474	21	10 21.8	19.7
180094 2003 EA_{42}	15.6	X	232.88056	80.91136	1.26004	10.99320	0.0880319	0.18560003	3.0438087	21	8 9.1	20.2
180095 2003 EA_{46}	14.3	X	35.82445	272.94904	355.08047	24.79001	0.3142499	0.17441318	3.1726087	21	9 14.6	17.9
180096 2003 EH_{49}	15.6	X	225.71774	137.33853	338.99965	8.38908	0.0639423	0.18643670	3.0346954	21	9 10.8	20.1
180097 2003 EF_{53}	15.5	X	221.57187	168.24354	84.88271	9.86820	0.2572328	0.20294645	2.8677970	21	—	—
180098 2003 EF_{60}	15.7	X	161.02828	6.24227	156.42653	11.60218	0.2282719	0.18302295	3.0723146	21	8 30.6	21.0
180099 2003 EY_{62}	15.2	X	38.25255	133.99292	110.51921	2.78083	0.1091529	0.17572806	3.1567629	21	7 16.4	19.0
180100 2003 FT_{2}	14.8	X	117.91224	346.63644	216.72741	22.31372	0.0654735	0.18160130	3.0883280	21	8 23.5	19.8
180101 2003 FB_{3}	17.3	X	316.54697	142.93135	129.14487	23.31140	0.0741203	0.38318644	1.8772811	21	3 29.5	19.6
180102 2003 FN_{3}	16.8	X	235.82724	51.96330	85.08961	23.81146	0.0758215	0.35324199	1.9819278	21	11 20.8	19.1
180103 2003 FX_{6}	15.7	X	155.66511	184.35488	60.71735	13.04297	0.1026380	0.19282309	2.9673130	21	11 30.4	20.4
180104 2003 FN_{11}	16.1	X	262.28257	57.17442	51.86089	1.85685	0.0601880	0.19095665	2.9866169	21	10 18.4	20.2
180105 2003 FB_{12}	16.3	X	143.61207	302.07069	267.46775	0.58804	0.1995807	0.18634877	3.0356500	21	10 10.2	21.5
180106 2003 FB_{19}	15.4	X	290.23466	91.15333	137.85307	12.99104	0.1396982	0.21021173	2.8013331	21	1 7.5	19.6
180107 2003 FH_{22}	15.3	X	81.09688	55.36276	184.74732	15.38827	0.1230700	0.18115912	3.0933514	21	9 8.2	19.8
180108 2003 FU_{23}	15.4	X	269.18545	87.35446	4.35485	9.56103	0.0617845	0.19019605	2.9945741	21	10 3.9	19.3
180109 2003 FT_{26}	15.8	X	136.56358	9.15823	159.27148	1.90902	0.1210898	0.17968464	3.1102509	21	8 11.7	20.7
180110 2003 FP_{27}	15.9	X	19.93154	110.09558	307.07075	1.01225	0.0630646	0.20055965	2.8905047	21	—	—
180111 2003 FB_{28}	15.8	X	122.53139	313.68069	269.33514	2.15201	0.1479144	0.18527023	3.0474198	21	10 4.5	20.6
180112 2003 FW_{28}	14.9	X	124.00976	83.27623	157.64762	12.03093	0.0531004	0.18644498	3.0346056	21	10 25.6	19.5
180113 2003 FN_{31}	15.3	X	114.51881	14.24416	180.78330	10.34449	0.0264232	0.17987033	3.1081098	21	8 9.4	19.9
180114 2003 FN_{34}	16.2	X	133.92998	49.51936	160.96307	3.07232	0.0948489	0.18534728	3.0465752	21	9 29.0	20.8
180115 2003 FC_{40}	15.4	X	352.37209	131.95446	195.52723	8.41930	0.0988454	0.18019350	3.1043925	21	8 19.3	19.3
180116 2003 FG_{44}	15.7	X	65.67335	20.26835	206.05900	2.85779	0.1772687	0.17609241	3.1524070	21	8 10.7	20.0
180117 2003 FW_{46}	16.1	X	157.13593	195.12177	31.24284	1.96750	0.0451558	0.19083889	2.9878455	21	11 10.1	20.5
180118 2003 FN_{48}	15.7	X	136.20001	28.52108	206.06999	3.62784	0.0623809	0.18811543	3.0166142	21	10 28.8	20.2
180119 2003 FA_{49}	15.1	X	41.70500	116.47987	158.85956	9.06289	0.2181424	0.17593769	3.1542549	21	9 17.4	19.0
180120 2003 FD_{50}	15.4	X	93.32753	101.60908	123.69861	13.04409	0.1725344	0.17927243	3.1150167	21	9 15.4	20.2
180121 2003 FZ_{52}	15.3	X	121.10963	45.43179	124.57174	12.69731	0.1162822	0.17781071	3.1320650	21	7 28.4	20.0
180122 2003 FL_{53}	15.3	X	190.54886	40.04313	110.07240	10.23681	0.1654886	0.18619362	3.0373361	21	9 13.6	20.4
180123 2003 FQ_{53}	15.2	X	345.46724	37.18306	142.40964	13.44706	0.1401966	0.21262575	2.7800897	21	1 14.5	18.8
180124 2003 FQ_{60}	15.2	X	293.45980	94.91845	131.43935	7.62769	0.1762590	0.21037150	2.7999145	21	1 3.6	19.5
180125 2003 FH_{63}	14.9	X	248.57553	213.50119	166.85852	10.38173	0.0550258	0.17438709	3.1729251	21	6 11.1	19.7
180126 2003 FC_{65}	15.4	X	127.48452	128.12731	43.45864	11.14201	0.0640258	0.17854603	3.1234598	21	8 5.5	20.2
180127 2003 FF_{68}	15.6	X	199.54965	77.46583	25.59046	17.46082	0.0990871	0.17998731	3.1067630	21	7 31.7	20.7
180128 2003 FM_{68}	15.2	X	196.90563	63.78697	41.72867	8.67292	0.0458782	0.17894182	3.1188524	21	7 30.6	19.9
180129 2003 FF_{71}	15.0	X	43.79479	276.82084	22.16559	9.30574	0.1245530	0.18331767	3.0690208	21	10 7.6	19.0
180130 2003 FK_{74}	15.0	X	92.40989	194.45664	10.10074	17.68462	0.2119604	0.17541661	3.1604983	21	8 27.8	20.0
180131 2003 FX_{74}	15.0	X	142.73382	166.87705	64.11438	13.11891	0.0821901	0.18767925	3.0212863	21	11 3.6	19.6
180132 2003 FL_{86}	14.9	X	357.37726	340.84857	331.82083	8.26489	0.0556543	0.17945602	3.1128918	21	8 10.6	18.9
180133 2003 FM_{86}	14.9	X	34.43897	67.30006	205.57020	14.64679	0.0578582	0.17893190	3.1189677	21	8 6.8	19.3
180134 2003 FE_{89}	15.1	X	67.28528	228.66946	358.31539	7.85477	0.0887786	0.17599253	3.1535996	21	8 3.9	19.5
180135 2003 FV_{89}	15.1	X	88.51521	357.44656	226.68314	9.81277	0.0794323	0.17957495	3.1115173	21	8 19.5	19.7
180136 2003 FX_{102}	15.1	X	340.76657	158.21807	173.96095	11.45649	0.1456048	0.17917991	3.1160889	21	8 4.5	18.8
180137 2003 FD_{103}	15.2	X	53.79457	89.15113	186.03957	8.66492	0.0282039	0.18227679	3.0806933	21	9 4.7	19.4
180138 2003 FE_{103}	15.7	X	73.21247	99.42510	165.56568	1.84605	0.0619520	0.18347471	3.0672693	21	9 23.3	19.8
180139 2003 FB_{108}	14.4	X	82.62826	39.17038	203.71897	23.38614	0.1465502	0.18142159	3.0903670	21	9 14.9	19.1
180140 2003 FE_{117}	14.8	X	86.98018	183.47618	45.37877	18.24914	0.1476430	0.17797543	3.1301322	21	9 15.9	19.7
180141 Sperauskas	15.4	X	74.26470	149.79758	150.68237	10.47074	0.0397008	0.19105662	2.9855750	21	11 8.7	19.8
180142 2003 FH_{123}	16.4	X	20.45107	57.11958	11.99390	1.78800	0.0537049	0.20471215	2.8512828	21	—	—
180143 Gaberogers	15.5	X	281.52763	286.47556	42.94307	1.59041	0.1759867	0.17371667	3.1810834	21	4 30.2	20.1
180144 2003 GV_{5}	15.4	X	89.91652	10.05088	192.89079	3.55128	0.1481880	0.17581912	3.1556729	21	8 6.7	20.0
180145 2003 GU_{7}	15.0	X	56.81066	187.33905	39.20107	22.58252	0.0585048	0.17385187	3.1794339	21	7 16.5	19.8
180146 2003 GL_{8}	15.8	X	291.80557	276.28717	201.36389	1.26396	0.0655243	0.19577713	2.9373887	21	12 7.3	19.6
180147 2003 GL_{9}	15.3	X	113.81166	175.54991	74.01275	5.74587	0.1569241	0.18442166	3.0567607	21	10 30.9	20.2
180148 2003 GB_{14}	15.3	X	75.35385	186.43005	74.03156	7.86379	0.2446673	0.17902786	3.1178530	21	10 17.1	20.1
180149 2003 GK_{15}	15.3	X	96.68272	192.02630	11.06664	10.86668	0.0728067	0.17932785	3.1143749	21	8 10.3	19.9
180150 2003 GQ_{16}	15.0	X	94.35558	72.17811	152.67658	18.07782	0.0781688	0.18063330	3.0993516	21	9 1.0	19.5
180151 2003 GS_{16}	15.4	X	135.91462	139.45813	99.15782	7.80593	0.1375977	0.19078343	2.9884244	21	11 7.9	20.2
180152 2003 GK_{22}	15.2	X	73.69186	64.79341	202.21976	9.98656	0.1689197	0.18118220	3.0930887	21	10 10.4	19.7
180153 2003 GK_{25}	15.2	X	293.72481	196.27680	18.91518	14.16404	0.1109474	0.21110358	2.7934377	21	—	—
180154 2003 GN_{31}	15.9	X	237.09533	176.10929	99.39129	3.80241	0.2690994	0.20464717	2.8518864	21	1 8.4	20.9
180155 2003 GF_{38}	15.4	X	261.37088	74.64349	50.08282	10.23141	0.0335816	0.19136956	2.9823193	21	11 9.5	19.5
180156 2003 GJ_{39}	15.4	X	217.71591	349.73502	176.53804	11.24977	0.0471893	0.18704152	3.0281499	21	11 7.3	19.9
180157 2003 GU_{50}	15.3	X	36.45057	132.81349	146.58957	10.61922	0.0698354	0.17786015	3.1314846	21	8 24.3	19.2
180158 2003 GT_{53}	15.4	X	26.18865	129.18841	157.40861	7.43137	0.1677169	0.17697454	3.1419228	21	8 29.4	19.1
180159 2003 GE_{54}	15.5	X	164.06749	215.48750	11.84349	9.53977	0.0666358	0.19186225	2.9772115	21	11 16.3	20.1
180160 2003 GR_{54}	15.5	X	126.89820	95.96679	165.13407	7.43888	0.0605831	0.19076958	2.9885691	21	11 21.3	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
180161 2003 GU_{55}	15.3	X	207.80777	261.04996	189.79237	14.94577	0.1143559	0.17609634	3.1523602	21	7 15.3	20.5
180162 2003 HM_{2}	17.2	X	15.34982	133.99414	66.14525	26.87052	0.0929905	0.37943393	1.8896380	21	3 27.9	19.6
180163 2003 HZ_{2}	15.5	X	219.25299	65.49984	20.08230	10.69036	0.1479674	0.17956018	3.1116878	21	7 23.6	20.6
180164 2003 HP_{6}	15.6	X	87.91566	229.85152	36.99054	8.55342	0.0592083	0.18328220	3.0694167	21	10 14.3	19.9
180165 2003 HX_{6}	15.7	X	196.02625	165.01894	24.66483	9.82419	0.0099784	0.19052606	2.9911151	21	11 10.4	20.0
180166 2003 HN_{10}	14.8	X	50.33753	133.31228	192.79311	22.32115	0.1882738	0.18154955	3.0889148	21	11 27.9	19.4
180167 2003 HP_{10}	15.4	X	177.39069	42.72826	131.34343	7.25442	0.2091210	0.18444393	3.0565145	21	9 28.3	20.6
180168 2003 HJ_{15}	15.4	X	104.89588	151.79728	61.43104	8.04913	0.0793920	0.17833583	3.1259136	21	9 2.5	20.1
180169 2003 HU_{15}	16.6	X	153.02616	350.43372	66.79727	23.68621	0.0775633	0.37913501	1.8906311	21	4 4.1	19.3
180170 2003 HE_{23}	15.3	X	51.46398	269.49275	355.62806	9.33744	0.1953525	0.17750472	3.1356635	21	9 14.5	19.2
180171 2003 HD_{31}	15.4	X	113.80825	146.78999	43.35065	10.84213	0.0701794	0.17596184	3.1539663	21	8 14.3	20.2
180172 2003 HX_{32}	16.7	X	36.99865	94.29647	48.64423	22.90437	0.0747143	0.37338757	1.9099829	21	1 12.6	18.8
180173 2003 HU_{40}	14.9	X	108.05695	8.97837	225.51260	9.47079	0.0326034	0.18047486	3.1011653	21	9 20.0	19.5
180174 2003 HN_{42}	15.2	X	142.12058	6.60254	193.01734	8.88044	0.1493394	0.18159755	3.0883705	21	9 24.9	20.1
180175 2003 HK_{45}	15.7	X	92.41188	131.31191	51.57701	5.55417	0.1262614	0.17163420	3.2067627	21	7 14.2	20.4
180176 2003 HP_{54}	15.4	X	24.23829	126.87457	148.95086	1.42354	0.1802196	0.17231071	3.1983638	21	8 12.4	19.1
180177 2003 JR_{1}	15.7	X	121.90907	81.74586	177.41700	6.46636	0.2079334	0.18494566	3.0509841	21	11 20.7	20.9
180178 2003 JU_{2}	14.5	X	127.74307	331.97842	222.32322	26.82521	0.1175514	0.17727953	3.1383183	21	8 25.8	19.9
180179 2003 JM_{8}	15.2	X	109.01189	158.01578	81.80629	13.43320	0.1858579	0.18098030	3.0953886	21	10 21.5	20.3
180180 2003 JC_{18}	15.2	X	154.20863	127.66334	131.51265	11.93730	0.1816562	0.18734822	3.0248442	21	12 15.7	20.4
180181 2003 KD_{12}	15.2	X	106.33644	100.08799	159.14573	12.58450	0.1213709	0.18261407	3.0768989	21	11 3.0	20.1
180182 2003 LF_{4}	14.5	X	53.69929	12.88687	222.81564	20.55740	0.1689956	0.17036219	3.2227051	21	7 29.3	19.2
180183 2003 MC	16.8	X	240.24133	133.98773	190.07606	22.60893	0.0754560	0.37330937	1.9102496	21	2 17.5	19.4
180184 2003 ML_{5}	15.2	X	128.12781	137.36117	124.67224	16.23878	0.3262585	0.18149201	3.0895676	21	12 4.1	21.1
180185 2003 OO_{11}	16.7	X	154.26436	127.79998	179.33548	22.47230	0.0810766	0.35282482	1.9834898	21	—	—
180186 2003 QZ_{30}	17.5	X	244.87553	243.07894	178.07514	8.56729	0.6315031	0.26180447	2.4200147	21	6 10.7	22.8
180187 2003 QA_{32}	17.3	X	89.66402	238.32622	162.01343	5.39402	0.2141490	0.29696585	2.2250087	21	—	—
180188 2003 QX_{67}	16.8	X	310.82558	251.62225	105.14383	3.34413	0.1951564	0.27008952	2.3702686	21	7 13.0	19.1
180189 2003 QN_{72}	17.0	X	324.00656	221.60028	93.60320	3.16339	0.2235562	0.26841267	2.3801302	21	5 28.6	19.0
180190 2003 QH_{79}	16.2	X	338.90432	78.64926	287.02450	9.16493	0.0889426	0.27516929	2.3410072	21	9 27.3	18.8
180191 2003 SZ_{50}	17.5	X	126.77844	185.20620	199.18287	2.02494	0.1615545	0.29910370	2.2143938	21	1 19.7	19.9
180192 2003 SC_{53}	16.0	X	12.76532	254.17041	213.75828	23.25826	0.2055076	0.28980918	2.2614898	21	—	—
180193 2003 SX_{56}	17.7	X	225.49239	37.41343	313.71532	2.59110	0.1466371	0.31123771	2.1564592	21	3 20.2	20.8
180194 2003 SK_{101}	16.4	X	193.07638	136.82507	244.29316	8.54836	0.1884305	0.25388326	2.4700932	21	3 31.6	20.6
180195 2003 SF_{110}	16.5	X	17.39880	329.34265	350.47449	4.92447	0.2165535	0.27385858	2.3484707	21	10 20.5	18.7
180196 2003 SL_{110}	16.9	X	132.05678	33.40781	5.46920	8.36869	0.1772900	0.29981001	2.2109146	21	2 21.5	19.6
180197 2003 SB_{192}	16.8	X	126.33396	97.26477	305.88396	5.72118	0.1349515	0.29939670	2.2129489	21	2 9.7	19.3
180198 2003 SU_{215}	17.0	X	96.19155	341.88419	72.10950	5.82864	0.1306895	0.29669836	2.2263458	21	1 10.6	19.0
180199 2003 SK_{217}	16.7	X	358.51845	27.90383	59.66751	3.30266	0.1994827	0.28400252	2.2922110	21	—	—
180200 2003 SC_{250}	16.7	X	154.51519	294.94101	38.40469	7.60740	0.1872458	0.29565376	2.2315868	21	—	—
180201 2003 ST_{251}	17.0	X	345.48758	37.08172	27.61070	3.05028	0.2114387	0.27808376	2.3246217	21	—	—
180202 2003 SO_{258}	17.5	X	48.22406	230.42231	173.57871	3.63802	0.1274464	0.28812100	2.2703150	21	—	—
180203 2003 SU_{259}	17.4	X	190.88754	291.67030	93.90419	0.98833	0.1262861	0.30748141	2.1739863	21	4 1.6	20.4
180204 2003 SB_{295}	16.5	X	329.51785	325.15346	99.56837	6.39438	0.2086328	0.27495974	2.3421964	21	12 21.8	18.1
180205 2003 SD_{295}	17.0	X	211.88344	345.44355	53.12210	7.35384	0.1924669	0.31035438	2.1605491	21	5 9.4	20.2
180206 2003 SH_{298}	17.6	X	246.21572	244.52878	103.31279	2.34033	0.1858245	0.31375108	2.1449272	21	4 5.6	20.9
180207 2003 SH_{305}	17.0	X	126.87364	12.72868	336.37066	6.85038	0.1445801	0.29329055	2.2435582	21	—	—
180208 2003 SD_{311}	17.2	X	78.36923	107.52246	9.23367	5.29468	0.0869998	0.30492858	2.1861030	21	3 7.6	19.1
180209 2003 SF_{312}	17.4	X	118.69325	35.60210	34.64806	4.52813	0.1091515	0.30326849	2.1940736	21	3 7.4	19.8
180210 2003 SP_{318}	16.7	X	131.59263	308.17486	67.54317	8.45698	0.1375939	0.29828842	2.2184269	21	1 12.2	19.3
180211 2003 TE_{5}	16.6	X	26.67699	342.78854	51.72014	6.20936	0.1662911	0.28257824	2.2999068	21	—	—
180212 2003 UE_{1}	16.8	X	73.16079	77.24006	328.07739	5.82930	0.0954701	0.29224078	2.2489277	21	—	—
180213 2003 UM_{8}	16.9	X	292.30045	10.13802	331.42015	4.32504	0.1066426	0.31572011	2.1359998	21	5 31.8	19.2
180214 2003 UB_{9}	16.0	X	78.56329	268.53737	113.36206	23.25609	0.2667103	0.28869293	2.2673155	21	—	—
180215 2003 UK_{9}	16.8	X	51.19287	346.87164	51.35051	7.85500	0.1009809	0.28435890	2.2902954	21	—	—
180216 2003 UY_{9}	17.1	X	202.89362	316.52332	23.98151	7.56603	0.1386522	0.30123259	2.2039483	21	2 17.7	20.4
180217 2003 UL_{23}	17.1	X	113.17874	320.53648	23.07673	3.05391	0.1824340	0.28995718	2.2607201	21	—	—
180218 2003 UB_{29}	17.2	X	87.33107	60.04666	40.60921	6.25833	0.0882865	0.29996157	2.2101698	21	3 1.8	19.5
180219 2003 UX_{39}	17.9	X	162.72235	39.02815	69.74236	1.96358	0.0120110	0.31408636	2.1434005	21	6 17.9	20.1
180220 2003 UG_{44}	16.9	X	192.33918	175.04975	0.67190	3.85549	0.0711979	0.27581912	2.3373287	21	10 26.8	20.0
180221 2003 UR_{55}	16.8	X	103.80121	74.04974	342.31236	4.30120	0.0896020	0.29597464	2.2299736	21	1 21.2	19.1
180222 2003 UA_{98}	16.6	X	24.66565	301.03954	96.66525	7.63339	0.1089945	0.28131457	2.3067891	21	—	—
180223 2003 UD_{107}	17.3	X	74.02011	46.28438	31.81986	4.33757	0.1034776	0.29721969	2.2237417	21	1 3.1	19.3
180224 2003 UO_{123}	17.1	X	41.84778	296.93655	220.67705	6.77834	0.0986843	0.30136587	2.2032985	21	2 28.8	19.2
180225 2003 UG_{127}	16.7	X	49.20960	69.56383	43.62717	5.59273	0.0781783	0.29690588	2.2253083	21	1 10.9	18.9
180226 2003 UM_{130}	15.8	X	28.51794	183.59686	255.06965	10.32518	0.0964982	0.23108856	2.6299677	21	—	—
180227 2003 UN_{131}	16.7	X	280.26236	219.91285	317.79090	6.67380	0.0416058	0.28675362	2.2775265	21	—	—
180228 2003 UQ_{135}	17.0	X	195.86008	340.96946	338.10084	4.96484	0.1562679	0.29882328	2.2157789	21	1 13.3	20.3
180229 2003 UZ_{143}	17.3	X	228.31686	16.91264	15.26576	4.41897	0.1358297	0.31271694	2.1496534	21	5 18.3	20.2
180230 2003 UW_{147}	15.9	X	111.05515	281.17203	113.32733	6.58929	0.1349795	0.23952038	2.5678781	21	1 21.8	19.1
180231 2003 UD_{149}	16.6	X	58.49188	185.22982	227.38227	5.87484	0.0815088	0.28927315	2.2642826	21	—	—
180232 2003 UJ_{180}	17.2	X	243.12566	250.31171	122.66485	4.32365	0.1446844	0.31351231	2.1460161	21	5 10.1	20.1
180233 2003 UU_{192}	16.9	X	260.35895	324.63924	8.75986	5.41739	0.0144740	0.30899864	2.1668641	21	4 17.4	19.2
180234 2003 UY_{195}	16.1	X	118.09014	319.69613	76.72814	5.08655	0.1025801	0.24001852	2.5643239	21	1 29.8	19.4
180235 2003 UF_{196}	17.2	X	52.68650	99.92143	289.78189	1.34070	0.1657779	0.28613972	2.2807829	21	—	—
180236 2003 UG_{199}	16.6	X	45.27990	3.54065	43.86932	6.52637	0.1350572	0.28690444	2.2767283	21	—	—
180237 2003 UT_{224}	17.5	X	22.78228	129.26890	343.76547	3.46893	0.1538567	0.29133223	2.2536010	21	—	—
180238 2003 UP_{225}	16.4	X	333.80845	77.57039	26.57382	7.23848	0.2389840	0.27891995	2.3199733	21	—	—
180239 2003 UY_{226}	17.3	X	12.35928	120.46310	326.47420	3.30691	0.1224689	0.28639572	2.2794236	21	—	—
180240 2003 UB_{244}	17.1	X	68.36979	23.35326	14.06890	2.48321	0.1262191	0.28737281	2.2742538	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
180241 2003 UC_{247}	17.4	X	243.16976	262.48443	68.42429	2.71680	0.1933137	0.30795912	2.1717375	21	3 12.0	20.7
180242 2003 UE_{247}	16.1	X	97.37309	283.72822	83.96959	4.85223	0.1090853	0.23293733	2.6160336	21	—	—
180243 2003 UQ_{252}	17.5	X	113.90482	12.75831	40.55710	2.98730	0.1543109	0.29645283	2.2275749	21	2 12.3	19.9
180244 2003 UN_{254}	17.5	X	144.31226	49.28047	36.00602	5.02928	0.1061912	0.30773056	2.1728128	21	4 28.5	20.1
180245 2003 UN_{259}	16.8	X	348.24964	224.83002	150.07505	2.76320	0.2295438	0.27346519	2.3507224	21	11 18.7	18.4
180246 2003 UO_{261}	17.4	X	47.41219	258.45226	211.58551	5.12200	0.0653913	0.29664614	2.2266071	21	1 1.8	19.7
180247 2003 UY_{263}	17.5	X	232.99463	66.86259	318.72785	4.00693	0.1379192	0.31390388	2.1442311	21	5 13.8	20.6
180248 2003 UX_{265}	17.1	X	4.78215	124.19465	285.08209	1.77881	0.1570010	0.27897192	2.3196852	21	—	—
180249 2003 UH_{274}	16.9	X	98.15900	137.95452	296.17521	5.29303	0.1009185	0.29933611	2.2132475	21	2 5.8	19.0
180250 2003 UG_{281}	16.8	X	86.94586	186.88530	226.05548	6.72146	0.0894976	0.29278973	2.2461159	21	—	—
180251 2003 UM_{283}	16.7	X	355.79220	102.83439	331.40753	5.22405	0.1844259	0.28078201	2.3097051	21	—	—
180252 2003 UU_{283}	17.2	X	156.99252	52.29826	2.65556	4.24948	0.1123235	0.30365232	2.1922243	21	4 2.1	20.1
180253 2003 UO_{314}	17.4	X	53.78929	26.06227	74.28992	4.85284	0.0819295	0.29527814	2.2334789	21	—	—
180254 2003 VY_{1}	17.1	X	167.48280	296.47269	127.67790	2.30871	0.0886091	0.30713648	2.1756137	21	4 26.6	19.8
180255 2003 VM_{9}	17.0	X	30.95181	4.16772	70.38892	5.98026	0.1121871	0.28605906	2.2812117	21	—	—
180256 2003 VE_{10}	16.6	X	143.95893	265.98909	60.95217	7.78201	0.2506152	0.29201556	2.2500840	21	—	—
180257 2003 WM_{3}	16.8	X	75.08764	215.15050	212.23437	5.86698	0.0629509	0.29268835	2.2466345	21	—	—
180258 2003 WT_{5}	17.1	X	47.63008	188.79888	178.81893	2.51321	0.1445143	0.28085508	2.3093044	21	—	—
180259 2003 WN_{8}	16.9	X	175.26540	67.89040	306.23691	5.82620	0.1084531	0.30172718	2.2015392	21	2 25.4	19.8
180260 2003 WG_{12}	17.4	X	91.81878	73.18544	4.33661	6.00208	0.1396844	0.29578970	2.2309030	21	2 10.5	19.5
180261 2003 WA_{15}	17.5	X	63.65263	69.80488	54.23477	3.28127	0.0882911	0.29936948	2.2130830	21	2 22.6	19.6
180262 2003 WH_{18}	17.0	X	40.24450	92.27889	325.16336	6.99967	0.0754793	0.28639381	2.2794337	21	—	—
180263 2003 WR_{19}	17.1	X	146.64251	29.93572	343.30355	4.72281	0.1762387	0.29737332	2.2229757	21	2 3.0	20.0
180264 2003 WK_{24}	16.8	X	299.97599	73.23369	247.81573	4.29314	0.1840119	0.31373216	2.1450135	21	4 28.4	19.1
180265 2003 WC_{27}	13.3	X	257.10801	40.26922	297.51443	6.36589	0.0480590	0.08563908	5.0974706	21	5 3.0	20.3
180266 2003 WQ_{34}	16.8	X	357.26172	7.27149	46.43742	6.06232	0.0617748	0.27837281	2.3230123	21	—	—
180267 2003 WG_{36}	17.6	X	43.29552	19.22572	351.17140	1.35258	0.0933352	0.27974533	2.3154077	21	—	—
180268 2003 WH_{38}	16.6	X	17.87278	72.65531	1.55775	7.17018	0.0686744	0.28371596	2.2937542	21	—	—
180269 2003 WB_{41}	17.0	X	30.66238	5.12220	38.94852	5.49761	0.1583447	0.28218705	2.3020318	21	—	—
180270 2003 WY_{45}	17.2	X	216.84176	71.89042	264.01363	4.74374	0.2265743	0.30402099	2.1904516	21	2 20.2	20.9
180271 2003 WZ_{49}	17.6	X	196.94194	39.07975	3.14480	5.97730	0.1318463	0.30918994	2.1659702	21	4 28.1	20.7
180272 2003 WD_{58}	17.1	X	89.75635	349.68189	48.51566	4.70788	0.1064089	0.29107609	2.2549229	21	—	—
180273 2003 WH_{60}	16.5	X	321.27473	9.56078	67.96878	7.45508	0.0737752	0.27636745	2.3342361	21	12 17.5	18.9
180274 2003 WC_{63}	12.6	X	289.29408	244.68102	55.57110	10.49925	0.0293468	0.08289056	5.2095397	21	5 2.6	19.5
180275 2003 WV_{63}	16.7	X	300.29714	352.67468	244.80598	6.08517	0.0194673	0.29746743	2.2225068	21	1 26.8	19.3
180276 2003 WU_{64}	16.8	X	180.79573	1.82927	339.36319	5.02902	0.1647900	0.29793319	2.2201899	21	1 27.5	19.9
180277 2003 WY_{65}	17.2	X	31.16361	306.34421	119.09312	1.96909	0.1882173	0.28505227	2.2865799	21	—	—
180278 2003 WS_{70}	15.5	X	128.37705	83.72025	328.08247	13.37252	0.1787089	0.24397870	2.5364995	21	3 8.3	19.1
180279 2003 WX_{72}	17.0	X	247.79485	50.07125	306.64387	2.99227	0.1575216	0.31017019	2.1614043	21	4 18.6	20.0
180280 2003 WO_{73}	16.8	X	175.56876	351.77257	352.57519	2.25923	0.2113216	0.29749231	2.2223829	21	1 29.8	20.1
180281 2003 WP_{76}	17.0	X	141.55684	30.91807	329.13753	4.81295	0.1808725	0.29444726	2.2376786	21	1 11.3	19.8
180282 2003 WC_{78}	17.1	X	146.37779	326.96212	3.63839	4.10717	0.0690422	0.29002648	2.2603600	21	—	—
180283 2003 WH_{81}	17.2	X	188.29857	49.29658	333.86255	2.48952	0.0472638	0.30370348	2.1919781	21	3 21.7	19.9
180284 2003 WQ_{86}	17.3	X	160.00169	310.69992	67.52625	5.36564	0.1982631	0.29963091	2.2117955	21	2 27.8	20.5
180285 2003 WC_{90}	17.4	X	8.26936	343.72991	83.58976	0.99496	0.0879379	0.28280585	2.2986726	21	—	—
180286 2003 WT_{90}	17.6	X	76.70118	94.44903	355.31291	3.55431	0.1119929	0.29679695	2.2258527	21	1 27.3	19.5
180287 2003 WX_{94}	16.7	X	48.01947	173.54346	243.15093	6.12950	0.0771008	0.28713993	2.2754833	21	—	—
180288 2003 WH_{102}	16.7	X	294.13827	18.54511	53.46505	3.56935	0.1542453	0.27045894	2.3681097	21	10 15.3	18.8
180289 2003 WO_{104}	17.1	X	192.23090	297.97817	89.10117	2.84378	0.1899677	0.30555152	2.1831308	21	4 7.9	20.4
180290 2003 WH_{109}	16.8	X	332.93077	100.08269	38.32180	5.98813	0.0462583	0.28780843	2.2719584	21	—	—
180291 2003 WZ_{113}	17.3	X	300.67732	183.03286	330.44818	3.70721	0.1215503	0.28315666	2.2967736	21	—	—
180292 2003 WJ_{119}	16.8	X	6.49799	52.45016	41.08176	6.24434	0.1157814	0.28365443	2.2940859	21	—	—
180293 2003 WS_{119}	16.6	X	26.37414	152.03396	275.23337	5.79369	0.1276501	0.28347681	2.2950441	21	—	—
180294 2003 WG_{120}	16.5	X	120.36559	322.72266	22.38737	5.89826	0.1455006	0.28729229	2.2746787	21	—	—
180295 2003 WQ_{120}	16.6	X	109.87001	48.50743	315.40361	3.27886	0.2144750	0.28942645	2.2634830	21	—	—
180296 2003 WM_{127}	16.4	X	173.65595	27.14349	311.23866	6.32096	0.2138729	0.29471165	2.2363401	21	1 20.9	19.7
180297 2003 WW_{127}	15.6	X	315.59983	163.91733	17.71659	14.07054	0.1720180	0.22870567	2.6482039	21	—	—
180298 2003 WG_{129}	17.0	X	283.77749	229.07161	253.82798	2.27988	0.1138213	0.27698870	2.3307446	21	12 16.9	19.2
180299 2003 WP_{130}	17.5	X	333.41439	59.04767	8.33651	1.90889	0.1844297	0.27506145	2.3416190	21	—	—
180300 2003 WY_{132}	16.4	X	2.09909	170.33820	70.45361	8.03483	0.0659149	0.30809817	2.1710840	21	5 3.1	18.5
180301 2003 WE_{139}	15.9	X	93.11586	331.21545	71.00877	5.36070	0.1789567	0.23486747	2.6016815	21	1 14.3	18.9
180302 2003 WR_{139}	16.4	X	333.97613	194.47527	248.51271	4.54672	0.1672363	0.27674776	2.3320972	21	—	—
180303 2003 WQ_{140}	16.4	X	56.55640	132.10431	269.74694	6.17453	0.0949813	0.28463156	2.2888325	21	—	—
180304 2003 WW_{140}	15.9	X	153.76610	288.64473	89.68019	4.66449	0.1766996	0.24132114	2.5550876	21	2 26.4	19.8
180305 2003 WD_{151}	15.4	X	235.56101	239.45055	170.27961	11.93581	0.2684873	0.25566500	2.4586037	21	6 12.4	19.8
180306 2003 WQ_{160}	17.5	X	252.60972	198.44791	102.94244	1.18823	0.1303706	0.30194050	2.2005022	21	2 13.9	20.7
180307 2003 WA_{162}	17.6	X	325.32031	320.18222	192.93943	1.02333	0.0785673	0.28765794	2.2727507	21	—	—
180308 2003 WF_{170}	17.0	X	12.17666	284.86067	158.59530	9.42954	0.1477837	0.28424852	2.2908882	21	—	—
180309 2003 XR	17.0	X	187.27552	45.46600	299.37267	6.52522	0.2492207	0.30014713	2.2092588	21	2 9.8	20.6
180310 2003 XF_{1}	16.6	X	357.99069	35.33774	347.62017	6.09321	0.1265072	0.27516071	2.3410558	21	12 5.1	19.0
180311 2003 XQ_{2}	16.8	X	46.79331	320.79514	94.50156	5.74979	0.1375221	0.28587600	2.2821854	21	—	—
180312 2003 XC_{3}	16.8	X	49.13179	216.95251	187.76625	5.79904	0.1022021	0.28450054	2.2895351	21	—	—
180313 2003 XY_{3}	16.8	X	285.27695	14.27755	100.38185	3.13879	0.1606407	0.27434965	2.3456675	21	12 1.3	19.0
180314 2003 XR_{4}	16.7	X	355.45534	268.30436	189.21519	2.76307	0.1904352	0.28123895	2.3072026	21	—	—
180315 2003 XD_{7}	15.1	X	50.67840	121.68595	7.74323	31.31867	0.2766389	0.23203030	2.6228467	21	3 20.3	17.2
180316 2003 XQ_{7}	16.9	X	39.91548	225.23832	124.89025	5.97370	0.2044890	0.27664093	2.3326975	21	—	—
180317 2003 XS_{7}	16.9	X	177.11129	249.26809	114.71402	7.33129	0.2169667	0.30013214	2.2093323	21	2 26.4	20.3
180318 2003 XE_{12}	17.1	X	110.92441	213.21392	159.71246	3.34231	0.2167680	0.29122880	2.2541345	21	—	—
180319 2003 XR_{21}	16.5	X	61.21313	332.12407	73.71636	8.13022	0.1021013	0.28351955	2.2948134	21	—	—
180320 2003 XA_{26}	17.2	X	150.62801	214.48914	169.50475	4.33651	0.1291519	0.29786556	2.2205260	21	2 14.1	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
180321 2003 XG_{38}	16.8	X	275.28797	136.82625	2.45423	2.98633	0.1941842	0.27431355	2.3458733	21	12 13.3	18.8
180322 2003 YK_{2}	16.7	X	199.80148	103.41591	255.33545	3.58080	0.2030735	0.30209109	2.1997708	21	3 6.7	20.4
180323 2003 YJ_{4}	16.7	X	161.29956	265.66789	113.63883	6.38398	0.1172280	0.29866194	2.2165768	21	2 21.3	19.6
180324 2003 YQ_{4}	16.6	X	223.65934	346.09212	359.10680	5.81386	0.1992576	0.30312029	2.1947887	21	3 12.3	20.0
180325 2003 YQ_{5}	16.9	X	270.10612	81.26019	23.18718	2.65520	0.1742752	0.26693060	2.3889321	21	10 16.3	19.4
180326 2003 YW_{12}	16.2	X	135.45688	44.69086	345.48220	5.00199	0.1584935	0.29352098	2.2423838	21	2 10.5	18.9
180327 2003 YD_{16}	16.8	X	77.58067	20.60460	23.77913	3.28674	0.1442699	0.28538662	2.2847936	21	—	—
180328 2003 YE_{16}	16.3	X	119.06041	73.36656	320.20176	6.96390	0.1178939	0.28979879	2.2615438	21	1 18.1	18.7
180329 2003 YH_{17}	17.0	X	238.05686	105.30315	347.36411	1.97882	0.1710336	0.26021328	2.4298702	21	8 18.8	20.4
180330 2003 YE_{21}	16.6	X	277.13749	189.01297	309.50669	3.08536	0.0849511	0.27246548	2.3564690	21	12 30.1	19.2
180331 2003 YN_{21}	16.4	X	313.44612	94.65522	293.06088	13.81658	0.0715217	0.26229322	2.4170075	21	9 11.8	19.5
180332 2003 YQ_{21}	16.7	X	317.66928	75.55708	85.30689	3.63055	0.1572186	0.28085422	2.3093091	21	—	—
180333 2003 YE_{29}	16.8	X	14.56008	296.98500	103.64476	7.95276	0.1846163	0.27637665	2.3341843	21	—	—
180334 2003 YN_{30}	17.3	X	351.37230	55.77759	27.17139	2.73438	0.1758991	0.27963821	2.3159991	21	—	—
180335 2003 YC_{33}	16.7	X	4.81200	246.87016	165.74073	6.60618	0.0911019	0.27876286	2.3208449	21	—	—
180336 2003 YO_{34}	16.8	X	72.79413	320.27353	33.48858	3.06764	0.1903872	0.28170120	2.3046780	21	—	—
180337 2003 YZ_{35}	16.9	X	339.31270	254.35970	216.55913	1.58359	0.1537246	0.27893856	2.3198701	21	—	—
180338 2003 YS_{37}	16.8	X	326.72050	15.30360	221.52891	2.01132	0.1153002	0.30218192	2.1993300	21	2 16.7	19.1
180339 2003 YJ_{42}	17.1	X	216.48712	311.89296	223.45088	0.71642	0.1208344	0.26781141	2.3836912	21	11 18.2	20.3
180340 2003 YN_{47}	16.5	X	49.99544	42.57331	63.78624	5.63248	0.1307777	0.23599712	2.5933726	21	1 22.3	19.2
180341 2003 YQ_{55}	16.6	X	327.40866	282.71457	99.01433	2.95648	0.1590450	0.26865906	2.3786747	21	10 5.5	18.4
180342 2003 YH_{58}	16.3	X	196.51393	14.67231	115.33218	3.56822	0.1303999	0.25996090	2.4314426	21	8 28.1	19.9
180343 2003 YX_{60}	16.5	X	320.20351	58.64672	95.21234	7.05932	0.0705390	0.28280591	2.2986723	21	—	—
180344 2003 YB_{61}	16.2	X	91.77766	170.60474	256.95580	2.26073	0.1447708	0.29202382	2.2500415	21	1 25.3	18.4
180345 2003 YE_{63}	16.6	X	355.18884	298.33212	107.22405	5.74841	0.1122473	0.27223734	2.3577853	21	12 31.2	19.1
180346 2003 YA_{64}	16.2	X	181.43041	302.46155	283.35104	5.59557	0.0783995	0.27182581	2.3601644	21	12 18.4	19.4
180347 2003 YK_{65}	16.8	X	319.98455	335.94707	112.51309	6.49268	0.2262625	0.27314646	2.3525507	21	—	—
180348 2003 YS_{68}	16.8	X	276.99279	163.64393	287.62087	5.53837	0.0747034	0.26565317	2.3965843	21	10 21.1	19.8
180349 2003 YW_{71}	17.0	X	214.71371	150.24603	346.09106	3.14275	0.0743219	0.26557438	2.3970583	21	9 30.0	20.2
180350 2003 YR_{73}	16.0	X	315.99212	353.58727	67.16694	2.63413	0.0593565	0.21350965	2.7724116	21	11 3.3	19.3
180351 2003 YV_{73}	17.2	X	250.78054	107.90243	27.63188	1.91739	0.1256787	0.27105108	2.3646596	21	11 8.6	20.0
180352 2003 YD_{75}	16.9	X	15.94851	88.87044	303.66676	4.63003	0.1916599	0.27752052	2.3277660	21	—	—
180353 2003 YG_{75}	16.6	X	246.23074	216.65046	303.96313	5.15072	0.1182191	0.27292223	2.3538391	21	12 7.9	19.4
180354 2003 YL_{76}	16.8	X	40.47284	30.62555	70.54176	5.34169	0.0960344	0.28858727	2.2678689	21	—	—
180355 2003 YK_{78}	16.7	X	56.05385	52.78525	309.91157	5.16477	0.0270346	0.27591052	2.3368126	21	—	—
180356 2003 YO_{82}	17.1	X	69.87082	341.09714	39.14474	2.93622	0.2131987	0.28359560	2.2944031	21	—	—
180357 2003 YM_{84}	16.3	X	310.47374	334.06072	112.43921	6.14458	0.1566314	0.27345474	2.3507823	21	12 10.6	18.3
180358 2003 YA_{85}	16.8	X	9.73143	265.42257	123.48601	5.01959	0.2286487	0.27688903	2.3313039	21	—	—
180359 2003 YQ_{85}	17.1	X	226.00428	355.78130	167.28901	3.75984	0.1796078	0.26932419	2.3747568	21	11 7.1	20.3
180360 2003 YJ_{91}	16.5	X	29.74643	221.84278	217.81413	5.18177	0.1332161	0.28462474	2.2888691	21	—	—
180361 2003 YS_{93}	16.6	X	328.49677	2.56783	94.98699	5.59043	0.0999730	0.27644905	2.3337768	21	—	—
180362 2003 YA_{94}	16.6	X	317.93581	83.97702	318.60943	6.51319	0.1974555	0.26670061	2.3903053	21	10 8.4	18.6
180363 2003 YZ_{94}	16.7	X	66.86296	252.60885	87.70758	10.15160	0.2505948	0.28119522	2.3074418	21	—	—
180364 2003 YG_{106}	17.0	X	359.18948	103.39682	330.24063	3.77307	0.1203297	0.27794969	2.3253692	21	—	—
180365 2003 YZ_{106}	17.3	X	316.87758	271.20122	171.68082	2.66816	0.2052429	0.27195124	2.3594386	21	12 18.2	18.8
180366 2003 YA_{109}	15.8	X	270.16231	198.97101	95.90397	15.97986	0.0812609	0.24454039	2.5326138	21	3 17.2	19.7
180367 Vonfeldt	16.1	X	48.81973	207.37163	260.74168	7.09272	0.1379319	0.23417180	2.6068317	21	1 20.4	18.8
180368 2003 YB_{111}	17.1	X	316.52627	265.66228	118.69098	3.30131	0.1773266	0.26394385	2.4069201	21	9 12.3	19.2
180369 2003 YQ_{111}	17.2	X	180.31006	41.08965	326.09473	5.78509	0.2069343	0.30092877	2.2054315	21	3 1.6	20.6
180370 2003 YB_{120}	16.5	X	121.49614	235.07954	326.49191	5.26869	0.0695724	0.25832030	2.4417265	21	9 6.4	19.8
180371 2003 YW_{122}	16.2	X	325.71673	176.51362	55.24842	5.52501	0.1319929	0.29773279	2.2211861	21	2 9.8	18.8
180372 2003 YH_{125}	16.8	X	90.41643	45.61415	333.56348	5.44233	0.1820265	0.28859787	2.2678133	21	—	—
180373 2003 YJ_{125}	16.6	X	11.26292	77.73177	343.72353	6.30248	0.1030908	0.28075046	2.3098781	21	—	—
180374 2003 YW_{127}	16.8	X	17.72703	81.85215	23.46370	5.80558	0.1155595	0.28395927	2.2924437	21	—	—
180375 2003 YH_{129}	16.6	X	94.35915	33.35063	2.55958	6.14823	0.2922021	0.28835833	2.2690690	21	1 11.0	18.3
180376 2003 YC_{131}	17.2	X	81.99875	66.00236	328.67932	4.79139	0.1804594	0.28654668	2.2786229	21	—	—
180377 2003 YC_{134}	16.9	X	26.12111	35.47678	343.47030	5.83156	0.2001504	0.27481959	2.3429926	21	—	—
180378 2003 YE_{134}	16.6	X	189.39780	171.98035	13.73606	5.20411	0.1484032	0.26427731	2.4048951	21	10 28.9	20.3
180379 2003 YR_{136}	16.9	X	359.59079	257.76168	126.00170	2.96283	0.2365161	0.27162113	2.3613499	21	12 26.7	19.0
180380 2003 YO_{139}	16.4	X	104.21616	46.11807	342.98649	7.86713	0.1614315	0.29182208	2.2510784	21	—	—
180381 2003 YG_{140}	17.2	X	237.74902	46.46805	71.13532	3.41223	0.1431779	0.26436133	2.4043855	21	9 26.6	20.4
180382 2003 YV_{144}	16.4	X	194.84949	339.08569	340.97417	6.65470	0.1366447	0.28936131	2.2638227	21	1 14.4	19.8
180383 2003 YJ_{146}	15.9	X	260.25131	172.92787	38.17305	8.73703	0.1785766	0.27682517	2.3316624	21	—	—
180384 2003 YF_{147}	16.0	X	178.96796	178.45554	342.44375	9.83711	0.2061312	0.26185979	2.4196739	21	9 14.9	19.9
180385 2003 YJ_{151}	15.5	X	217.71670	170.75611	11.35376	14.16027	0.1075697	0.21138467	2.7909607	21	11 16.6	19.8
180386 2003 YS_{153}	16.5	X	95.44908	20.65071	4.35713	10.66479	0.2105316	0.28689786	2.2767631	21	—	—
180387 2003 YQ_{168}	16.6	X	356.49781	39.44409	46.69477	5.23389	0.0624897	0.28001358	2.3139288	21	—	—
180388 2003 YU_{171}	16.6	X	2.79200	24.94685	335.07203	6.78330	0.1163200	0.26747571	2.3856853	21	11 4.7	19.1
180389 2004 AD_{2}	17.2	X	249.39947	55.91103	84.58308	1.67043	0.1505538	0.26770598	2.3843170	21	11 9.6	20.1
180390 2004 AM_{7}	16.4	X	270.43959	357.17330	113.79196	7.20493	0.0615940	0.26646221	2.3917308	21	11 15.3	19.3
180391 2004 AO_{7}	16.2	X	229.16367	212.16794	323.24175	6.64338	0.0575478	0.26904768	2.3763836	21	12 13.2	19.2
180392 2004 AQ_{7}	16.6	X	188.37527	277.83752	266.79607	1.40393	0.1225367	0.26328016	2.4109635	21	10 28.8	20.1
180393 2004 AC_{10}	17.4	X	247.88074	139.59850	34.83134	1.75483	0.1240104	0.27184382	2.3600601	21	12 28.7	20.1
180394 2004 AG_{10}	16.6	X	57.93660	70.80020	302.05772	5.24241	0.1654490	0.27748569	2.3279607	21	—	—
180395 2004 AH_{13}	17.0	X	247.45049	26.91089	109.21190	4.36654	0.0271633	0.26798922	2.3826367	21	11 21.1	20.0
180396 2004 BK_{2}	17.2	X	244.38803	7.06850	156.25567	1.56150	0.1212731	0.26962071	2.3730154	21	12 8.5	20.0
180397 2004 BB_{5}	17.1	X	314.64449	358.72591	94.40096	3.52601	0.1529920	0.27155823	2.3617145	21	12 28.5	19.0
180398 2004 BC_{10}	16.7	X	276.82809	125.51899	335.04106	6.32630	0.0682071	0.26557442	2.3970581	21	11 3.8	19.5
180399 2004 BN_{11}	17.1	X	254.99066	244.66841	172.52803	1.97554	0.1637873	0.25785044	2.4446919	21	7 21.5	20.5
180400 2004 BD_{12}	17.1	X	225.68446	178.38862	341.44682	2.63602	0.0408835	0.26662282	2.3907702	21	11 19.3	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
180401 2004 BT_{19}	16.5	X	243.47064	6.23585	56.35314	8.65930	0.2463573	0.25636821	2.4541057	21	7 7.5	20.4
180402 2004 BR_{20}	16.7	X	212.15608	200.51499	350.25046	5.47735	0.1296282	0.26912134	2.3759500	21	12 1.1	20.1
180403 2004 BC_{24}	16.5	X	289.02741	330.41565	129.60696	5.27350	0.1010075	0.26893312	2.3770584	21	11 23.6	19.0
180404 2004 BT_{27}	16.7	X	230.73879	114.21584	58.66348	2.10804	0.1271032	0.26772405	2.3842097	21	12 1.4	19.9
180405 2004 BG_{28}	17.0	X	247.15944	351.80682	80.75723	2.37206	0.1728431	0.25768758	2.4457218	21	8 2.0	20.5
180406 2004 BJ_{29}	16.2	X	234.70645	225.35059	10.07777	3.21377	0.1737239	0.27553984	2.3389079	21	—	—
180407 2004 BA_{32}	17.0	X	216.62177	183.65723	11.13552	2.38924	0.1606642	0.26876850	2.3780290	21	12 8.3	20.3
180408 2004 BV_{36}	16.8	X	255.33999	47.88966	99.28060	2.28730	0.1264667	0.26880949	2.3777872	21	12 1.2	19.6
180409 2004 BX_{37}	16.3	X	210.81418	232.84563	325.26554	6.54826	0.0573124	0.26802633	2.3824168	21	12 19.7	19.5
180410 2004 BT_{42}	16.1	X	147.65203	309.25549	124.33288	14.22618	0.1320395	0.24142225	2.5543742	21	4 30.9	20.2
180411 2004 BY_{43}	16.6	X	285.11635	122.56123	341.04616	8.79185	0.0799490	0.26583069	2.3955172	21	11 19.3	19.5
180412 2004 BY_{44}	16.6	X	242.76856	115.81045	123.61203	7.03188	0.0616621	0.28264930	2.2995213	21	—	—
180413 2004 BO_{46}	16.0	X	214.01897	344.09405	150.10996	8.04916	0.1154687	0.26007684	2.4307200	21	9 23.9	19.4
180414 2004 BR_{46}	16.5	X	187.49183	292.01733	255.29247	2.21309	0.1785915	0.26221383	2.4174954	21	10 27.3	20.3
180415 2004 BZ_{46}	16.2	X	239.19612	209.22128	280.93527	5.72254	0.0457402	0.26578750	2.3957768	21	10 25.8	19.3
180416 2004 BT_{50}	16.5	X	165.38390	85.25452	132.69806	13.91434	0.2357665	0.26206441	2.4184142	21	11 17.5	20.9
180417 2004 BH_{56}	16.3	X	211.42882	340.87422	165.80285	4.24176	0.1829437	0.26047914	2.4282166	21	9 29.7	20.0
180418 2004 BW_{57}	15.9	X	44.95919	346.40004	145.03777	10.54602	0.0828747	0.23120653	2.6290730	21	2 15.2	18.6
180419 2004 BO_{70}	17.2	X	249.38249	136.87165	351.31082	2.99238	0.1415560	0.26523351	2.3991116	21	10 23.3	20.0
180420 2004 BZ_{72}	15.9	X	190.13914	270.79670	290.73206	9.67729	0.2022074	0.26457831	2.4030708	21	11 13.2	19.8
180421 2004 BT_{73}	16.4	X	247.25726	275.36733	207.02041	3.17419	0.0221730	0.26448685	2.4036247	21	11 1.4	19.5
180422 2004 BO_{75}	16.0	X	46.33983	222.67936	226.04187	11.91395	0.1436762	0.22828942	2.6514221	21	—	—
180423 2004 BQ_{75}	16.3	X	197.56080	151.60713	330.11904	14.36241	0.0967657	0.25486148	2.4637686	21	8 19.6	19.8
180424 2004 BJ_{78}	17.0	X	355.03758	309.85545	70.29677	2.37372	0.2074740	0.26835867	2.3804495	21	12 6.3	18.9
180425 2004 BL_{78}	17.2	X	71.57120	57.47593	112.74550	4.45482	0.1184644	0.24254299	2.5464993	21	5 27.2	20.2
180426 2004 BK_{81}	17.1	X	286.63799	227.16425	196.31315	2.27342	0.1460132	0.26284053	2.4136511	21	9 17.3	19.6
180427 2004 BQ_{82}	15.4	X	207.20094	64.36990	83.81084	6.17907	0.1034349	0.20242322	2.8727368	21	10 1.6	19.8
180428 2004 BR_{83}	16.3	X	259.22686	324.66186	172.15451	6.66513	0.0499583	0.26775092	2.3840502	21	12 4.9	19.2
180429 2004 BY_{84}	17.0	X	268.06721	51.78129	131.86271	2.97475	0.1532142	0.27429340	2.3459882	21	—	—
180430 2004 BF_{93}	15.8	X	340.06953	186.61947	189.64125	12.26025	0.2624547	0.26531054	2.3986472	21	10 31.3	17.1
180431 2004 BR_{96}	16.8	X	230.12824	267.25036	286.61733	1.34579	0.0473600	0.27122276	2.3636616	21	—	—
180432 2004 BB_{97}	16.5	X	137.65378	259.61261	310.17005	3.58168	0.0180892	0.25953347	2.4341115	21	10 3.5	19.6
180433 2004 BD_{99}	15.6	X	32.21708	322.36039	4.19401	12.22438	0.2211632	0.25555864	2.4592858	21	11 18.2	18.8
180434 2004 BV_{101}	16.0	X	167.06563	116.36700	137.80606	5.49265	0.1962387	0.26714471	2.3876555	21	12 29.9	19.9
180435 2004 BD_{104}	16.4	X	183.25745	55.38912	106.52812	6.56217	0.1363806	0.25687939	2.4508490	21	9 26.9	20.2
180436 2004 BA_{106}	16.4	X	130.09001	152.87155	66.90511	4.24485	0.1501334	0.25854916	2.4402854	21	10 17.2	20.1
180437 2004 BJ_{106}	16.5	X	191.02180	87.71282	102.69719	5.57783	0.1722890	0.26332366	2.4106980	21	11 6.6	20.2
180438 2004 BY_{106}	16.5	X	212.33880	114.65532	95.14156	4.63761	0.0887815	0.27168964	2.3609529	21	—	—
180439 2004 BN_{107}	16.7	X	201.12283	142.31187	25.07357	5.32286	0.1409379	0.26180421	2.4200163	21	10 18.9	20.3
180440 2004 BQ_{107}	16.4	X	189.37158	143.55432	53.79008	6.81804	0.0617509	0.26471294	2.4022559	21	11 20.9	19.7
180441 2004 BA_{109}	16.2	X	154.63902	191.32072	69.59679	8.22206	0.0839073	0.26817288	2.3815488	21	—	—
180442 2004 BC_{109}	16.8	X	115.89958	201.53888	30.33667	1.58632	0.1436240	0.25796303	2.4439805	21	10 16.8	20.4
180443 2004 BL_{113}	15.7	X	87.40443	316.93927	192.63653	13.00701	0.1993211	0.24220944	2.5488366	21	6 3.7	19.2
180444 2004 BY_{113}	16.7	X	231.78219	61.35796	173.18361	3.16888	0.1290969	0.27579433	2.3374688	21	—	—
180445 2004 BG_{116}	16.4	X	207.91825	143.32543	84.80253	7.50046	0.0682952	0.27337152	2.3512594	21	—	—
180446 2004 BH_{116}	16.5	X	249.71279	342.37037	71.86642	5.03961	0.1703724	0.25679093	2.4514117	21	7 11.2	20.0
180447 2004 BJ_{118}	16.1	X	137.88387	337.35096	217.25485	5.47698	0.1832319	0.25540559	2.4602682	21	9 20.6	20.2
180448 2004 BQ_{124}	16.5	X	208.88295	182.11661	105.41680	6.28976	0.1649674	0.28341879	2.2953572	21	—	—
180449 2004 BG_{128}	17.1	X	109.41633	101.40955	133.12769	2.17560	0.1464620	0.25837513	2.4413811	21	10 14.8	20.6
180450 2004 BK_{142}	16.8	X	64.95543	46.55489	12.08951	9.46267	0.1907322	0.28607620	2.2811205	21	—	—
180451 2004 BR_{146}	17.2	X	226.65101	170.60246	354.94477	2.63347	0.1227910	0.26597586	2.3946455	21	11 16.2	20.3
180452 2004 BB_{148}	16.7	X	202.28777	230.69622	327.70508	5.90340	0.0558945	0.27009459	2.3702389	21	12 9.3	19.9
180453 2004 BR_{149}	16.7	X	88.35368	234.33788	20.29437	0.42903	0.1711114	0.25803263	2.4435410	21	10 19.9	20.3
180454 2004 BH_{150}	16.8	X	168.36317	53.65383	97.52913	5.65158	0.0949626	0.25555780	2.4592912	21	8 28.1	20.4
180455 2004 BZ_{162}	16.8	X	152.13577	352.06059	233.57686	4.08757	0.1364498	0.26391688	2.4070841	21	11 13.3	20.3
180456 2004 CN	15.9	X	208.61018	89.29174	43.81972	23.99714	0.2342486	0.25829712	2.4418727	21	9 19.5	20.4
180457 2004 CQ_{2}	16.6	X	199.48644	85.97070	119.41142	3.11621	0.1141609	0.26610138	2.3938924	21	12 8.3	19.9
180458 2004 CJ_{4}	17.1	X	286.30054	63.64250	16.07068	2.55376	0.1685702	0.26478448	2.4018232	21	10 7.9	19.5
180459 2004 CY_{5}	16.9	X	220.85215	337.16980	128.19072	3.15082	0.1509747	0.25648417	2.4533660	21	8 18.9	20.5
180460 2004 CD_{13}	16.4	X	117.02044	119.71887	323.11438	11.91437	0.1631600	0.23768488	2.5810813	21	3 31.3	20.2
180461 2004 CB_{17}	17.4	X	249.81998	314.03988	112.07189	2.10172	0.1592239	0.25571892	2.4582581	21	7 28.6	20.7
180462 2004 CV_{17}	17.0	X	325.49449	52.91561	5.13016	3.51171	0.1920685	0.26794991	2.3828697	21	11 25.8	18.7
180463 2004 CQ_{18}	17.0	X	248.10445	36.12730	83.55942	3.94843	0.1367609	0.26293822	2.4130533	21	10 13.5	20.0
180464 2004 CZ_{21}	16.7	X	67.31989	225.37964	158.61693	7.31449	0.1274992	0.27719788	2.3295719	21	—	—
180465 2004 CT_{26}	16.0	X	60.18805	224.50328	325.07139	14.74774	0.1078573	0.24133919	2.5549603	21	6 1.2	19.4
180466 2004 CW_{26}	16.7	X	281.87971	336.78052	151.49632	1.46885	0.1193498	0.26870265	2.3784174	21	12 18.4	19.1
180467 2004 CC_{27}	17.0	X	190.98179	356.57372	148.38089	2.51911	0.1312143	0.25615472	2.4554691	21	9 10.0	20.7
180468 2004 CS_{27}	17.3	X	201.41901	146.28706	48.25477	2.00002	0.1330311	0.26644388	2.3918405	21	11 24.1	20.5
180469 2004 CV_{36}	16.2	X	33.16275	9.19697	165.50728	11.48462	0.1105914	0.23463150	2.6034256	21	3 29.9	19.0
180470 2004 CH_{40}	16.3	X	228.46183	14.67146	179.29341	3.97954	0.2193634	0.26762067	2.3848237	21	12 13.4	19.4
180471 2004 CH_{43}	16.2	X	279.48138	193.39492	115.25026	7.58870	0.0707239	0.24023187	2.5628055	21	4 13.5	19.8
180472 2004 CN_{46}	16.9	X	180.12093	280.73112	0.21873	5.41642	0.1894343	0.27400928	2.3476096	21	—	—
180473 2004 CG_{51}	16.9	X	240.68998	309.51728	191.69569	4.04669	0.1057093	0.26434461	2.4044869	21	11 5.6	19.8
180474 2004 CU_{52}	17.0	X	132.77863	130.64011	323.52810	16.36244	0.1548953	0.24314123	2.5423205	21	4 29.8	21.2
180475 2004 CX_{52}	16.6	X	174.55911	171.03851	17.48622	3.74781	0.1289247	0.26128210	2.4232392	21	10 19.2	20.3
180476 2004 CG_{54}	16.7	X	121.51258	270.61344	11.50879	2.41130	0.1737424	0.26335608	2.4105000	21	12 24.8	20.5
180477 2004 CF_{56}	16.4	X	109.60702	66.56944	165.65100	7.93181	0.1671444	0.25356534	2.4721574	21	10 14.1	20.2
180478 2004 CQ_{61}	16.4	X	242.92072	28.73429	84.04716	5.24890	0.1363792	0.26171152	2.4205877	21	9 28.4	19.6
180479 2004 CB_{63}	15.8	X	276.17546	238.66445	352.41094	14.91359	0.1060163	0.22561468	2.6723366	21	—	—
180480 2004 CU_{67}	16.5	X	103.07018	75.03414	129.91978	8.32882	0.0818166	0.25099169	2.4890282	21	8 22.2	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
180481 2004 CE_{68}	16.4	X	358.75856	258.10531	141.61727	7.78063	0.1905224	0.27232958	2.3572528	21	—	—
180482 2004 CO_{69}	15.9	X	4.24181	84.44361	122.94977	14.39204	0.0869267	0.23538244	2.5978855	21	3 31.2	19.2
180483 2004 CP_{69}	16.4	X	326.55003	93.41115	13.73373	6.80507	0.0734116	0.27262454	2.3555523	21	—	—
180484 2004 CJ_{71}	16.4	X	328.32799	131.65652	133.53055	5.50694	0.1434974	0.23889683	2.5723444	21	4 10.6	19.4
180485 2004 CP_{72}	16.4	X	132.59535	123.30177	101.84376	7.02773	0.0855288	0.25872813	2.4391600	21	10 25.8	20.0
180486 2004 CO_{73}	16.8	X	182.28389	144.30732	85.72617	3.28869	0.1683814	0.26603649	2.3942817	21	12 16.0	20.4
180487 2004 CW_{75}	17.3	X	182.48833	2.76722	147.98931	4.93611	0.1384104	0.25661788	2.4525137	21	9 8.9	21.0
180488 2004 CK_{76}	16.8	X	147.84074	343.20982	225.86284	1.84983	0.1324368	0.25820154	2.4424752	21	10 18.5	20.5
180489 2004 CJ_{78}	16.7	X	223.30755	76.90207	126.69939	2.07824	0.1265710	0.26891463	2.3771674	21	—	—
180490 2004 CM_{78}	17.1	X	248.08728	104.51106	339.53243	2.12731	0.1576946	0.25777602	2.4451624	21	8 20.4	20.4
180491 2004 CM_{79}	16.9	X	267.15147	100.02651	23.85990	1.65173	0.1244577	0.26549092	2.3975607	21	11 15.8	19.5
180492 2004 CX_{79}	17.2	X	247.89513	65.30682	65.74400	2.18548	0.1344654	0.26328406	2.4109396	21	10 27.6	20.1
180493 2004 CK_{81}	16.7	X	173.12807	212.27737	25.61732	1.72954	0.1257781	0.26638573	2.3921886	21	12 19.9	20.3
180494 2004 CP_{82}	17.0	X	201.61383	36.36983	182.43315	1.06310	0.1371372	0.26775749	2.3840112	21	12 25.1	20.2
180495 2004 CL_{84}	16.5	X	290.79322	246.34340	142.57004	7.61405	0.2815259	0.25945862	2.4345796	21	7 10.6	19.5
180496 2004 CQ_{84}	16.8	X	141.48728	47.88942	156.57001	2.21772	0.1354471	0.25654626	2.4529701	21	10 7.3	20.5
180497 2004 CT_{86}	16.3	X	28.90760	50.46802	178.48119	9.24838	0.1366641	0.24086288	2.5583275	21	6 10.9	19.1
180498 2004 CC_{90}	17.4	X	105.00202	341.32772	260.50228	2.64887	0.1666909	0.25549519	2.4596930	21	10 18.9	21.2
180499 2004 CM_{90}	16.4	X	204.12405	254.85144	239.31363	5.81376	0.0559870	0.25708082	2.4495685	21	9 12.8	19.9
180500 2004 CT_{91}	16.3	X	29.81610	285.21202	311.61484	15.11933	0.2392314	0.24106043	2.5569296	21	7 10.6	18.6
180501 2004 CK_{92}	16.6	X	195.65059	28.81227	175.07022	12.11967	0.1598575	0.26437945	2.4042756	21	11 29.0	20.4
180502 2004 CT_{93}	16.7	X	141.98627	268.81477	344.89543	2.74586	0.1417892	0.26262141	2.4149935	21	12 7.8	20.5
180503 2004 CA_{99}	16.5	X	127.93015	129.44963	338.35800	13.07091	0.1957588	0.24134440	2.5549235	21	5 20.5	20.7
180504 2004 CR_{99}	16.0	X	258.93211	136.37204	107.76851	4.08445	0.0423024	0.22291581	2.6938628	21	—	—
180505 2004 CM_{100}	15.9	X	106.96820	177.23479	116.56206	5.75880	0.1047186	0.26286587	2.4134960	21	12 22.8	19.3
180506 2004 CD_{101}	15.6	X	151.68087	272.90651	169.75617	9.45173	0.0254193	0.23725285	2.5842137	21	5 4.1	19.2
180507 2004 CA_{118}	17.0	X	234.62170	182.48030	263.39820	1.67028	0.1680570	0.25706570	2.4496646	21	8 5.2	20.4
180508 2004 CT_{130}	16.7	X	80.84455	276.37736	6.62896	2.51046	0.1741042	0.25798415	2.4438471	21	11 16.8	20.3
180509 2004 DZ_{2}	16.6	X	121.19295	134.20667	125.70905	3.83866	0.1733140	0.25947305	2.4344893	21	11 27.8	20.5
180510 2004 DH_{5}	16.7	X	356.82776	74.01907	5.39962	5.30466	0.1314267	0.27530191	2.3402553	21	—	—
180511 2004 DC_{10}	16.1	X	82.37351	266.30578	9.51228	6.60027	0.1215305	0.25720167	2.4488012	21	11 2.3	19.5
180512 2004 DX_{15}	16.2	X	338.96239	111.04953	129.54672	6.02736	0.1119526	0.23464028	2.6033607	21	3 29.7	19.2
180513 2004 DV_{17}	17.2	X	221.51414	340.09976	135.00308	1.86838	0.1458931	0.25659544	2.4526567	21	9 2.0	20.9
180514 2004 DB_{21}	15.7	X	279.66630	112.63520	124.76126	12.03598	0.2617926	0.22214028	2.7001289	21	—	—
180515 2004 DB_{26}	16.8	X	297.28243	78.77274	342.41252	6.90286	0.1126644	0.26264969	2.4148201	21	10 5.4	19.3
180516 2004 DL_{30}	17.0	X	229.36036	101.83496	41.50872	3.11859	0.1495657	0.26193746	2.4191955	21	10 18.3	20.3
180517 2004 DX_{30}	16.9	X	230.14198	115.36279	336.99243	6.39282	0.0789160	0.25512695	2.4620592	21	8 20.3	20.2
180518 2004 DP_{32}	16.7	X	81.11505	171.73133	115.67580	2.16423	0.1545016	0.25798522	2.4438403	21	11 21.7	20.3
180519 2004 DZ_{32}	15.9	X	85.67765	272.96171	34.41432	2.48819	0.2010840	0.26087633	2.4257513	21	12 24.9	19.6
180520 2004 DA_{33}	16.6	X	158.55401	29.86140	74.00499	2.06346	0.1417765	0.24496073	2.5297159	21	6 14.8	20.6
180521 2004 DJ_{35}	16.2	X	44.26743	325.57503	213.13632	5.77096	0.1094386	0.23743895	2.5828632	21	4 21.9	19.0
180522 2004 DS_{36}	15.9	X	135.25018	28.62231	170.89709	10.86764	0.1273040	0.25293152	2.4762857	21	9 24.3	19.5
180523 2004 DR_{38}	16.2	X	298.88909	186.55740	75.27741	2.38036	0.0412752	0.23313586	2.6145482	21	3 10.5	19.6
180524 2004 DK_{39}	16.9	X	341.25818	73.47139	348.06269	3.48482	0.1478331	0.26933666	2.3746835	21	—	—
180525 2004 DN_{42}	16.1	X	21.48619	36.64281	147.64218	8.21684	0.1486186	0.23150750	2.6267939	21	3 23.2	18.7
180526 2004 DB_{45}	16.8	X	241.28487	69.10753	358.31329	11.47166	0.3165655	0.25495280	2.4631802	21	7 6.9	21.1
180527 2004 DL_{47}	16.7	X	80.71772	289.79670	222.92025	5.20677	0.1122290	0.23915247	2.5705110	21	5 14.8	19.9
180528 2004 DJ_{48}	15.8	X	140.36643	312.84849	172.99873	14.83144	0.0468215	0.24164211	2.5528246	21	6 17.3	19.6
180529 2004 DS_{48}	16.5	X	83.12962	117.27805	340.64124	14.89739	0.1827272	0.23265616	2.6181409	21	3 12.8	19.6
180530 2004 DV_{51}	16.8	X	212.44614	313.23325	142.95635	6.26780	0.1825466	0.25189520	2.4830728	21	7 25.8	20.6
180531 2004 DK_{55}	16.2	X	229.29798	164.71799	159.97014	7.54491	0.1340851	0.23352502	2.6116427	21	2 28.7	20.2
180532 2004 DU_{59}	16.5	X	22.57938	89.07996	150.86495	15.88003	0.1131180	0.24045678	2.5612071	21	6 14.9	19.7
180533 2004 DO_{70}	17.0	X	132.74607	340.43780	118.88456	1.24218	0.0953872	0.23929755	2.5694719	21	5 8.3	20.5
180534 2004 DE_{74}	16.3	X	244.45725	192.37022	156.35295	15.25995	0.1189673	0.23995976	2.5647425	21	4 19.5	20.3
180535 2004 DE_{77}	15.8	X	14.88853	21.24571	122.16323	12.00355	0.1254801	0.22508109	2.6765583	21	1 12.6	18.8
180536 2004 EV	16.1	X	44.30183	255.12730	337.63776	27.56391	0.2073956	0.24082837	2.5585718	21	8 6.3	19.2
180537 2004 EB_{1}	15.7	X	161.38105	224.24820	185.43039	14.88787	0.1077019	0.23356922	2.6113132	21	4 8.4	19.5
180538 2004 EA_{5}	16.6	X	47.76914	178.06334	15.19757	3.65497	0.0553927	0.23835513	2.5762404	21	5 12.2	19.7
180539 2004 EJ_{8}	16.6	X	0.86360	44.95038	186.74475	14.16821	0.1440175	0.23417807	2.6067851	21	4 20.8	19.2
180540 2004 EY_{9}	14.8	X	355.73913	322.79732	346.78823	15.92757	0.2121904	0.18996079	2.9970459	21	8 10.2	17.9
180541 2004 ES_{10}	16.5	X	95.16739	95.37852	61.41587	3.09179	0.0811270	0.23986702	2.5654035	21	6 4.5	19.9
180542 2004 ER_{11}	16.4	X	101.12767	80.10302	67.32476	6.13047	0.0723168	0.24048903	2.5609781	21	5 29.4	19.6
180543 2004 EY_{14}	16.3	X	145.05874	13.11279	93.33260	7.79003	0.1394402	0.24255449	2.5464188	21	6 4.9	20.2
180544 2004 ET_{15}	17.1	X	184.25209	272.85452	258.56058	1.59686	0.1519720	0.25784347	2.4447359	21	10 5.2	20.8
180545 2004 EJ_{16}	16.6	X	39.15651	175.12890	66.13763	4.69226	0.0873410	0.24306959	2.5428201	21	7 12.0	19.5
180546 2004 ED_{17}	16.2	X	142.59695	50.62947	46.76223	10.18834	0.1971975	0.24068109	2.5596155	21	5 24.5	20.3
180547 2004 EO_{17}	16.2	X	52.03282	48.51173	118.79404	8.39524	0.1433213	0.23412589	2.6071725	21	4 27.9	19.2
180548 2004 EQ_{17}	15.9	X	222.57651	241.57871	62.12190	10.75247	0.0427138	0.22395199	2.6855471	21	2 3.3	19.9
180549 2004 EV_{19}	16.2	X	77.37088	80.35100	80.21812	13.61321	0.0976869	0.23796665	2.5790434	21	5 20.7	19.4
180550 2004 EX_{20}	15.7	X	84.06542	55.23842	50.51306	31.59715	0.2576807	0.23138857	2.6276939	21	4 21.5	19.3
180551 2004 EE_{22}	16.6	X	149.72854	6.47811	120.75111	5.92130	0.1122469	0.24544705	2.5263732	21	7 4.6	20.4
180552 2004 EB_{24}	16.4	X	261.04641	87.24729	356.66067	6.73568	0.0918599	0.25596732	2.4566674	21	9 16.4	19.3
180553 2004 ED_{24}	16.1	X	59.56206	333.27942	176.77341	7.86206	0.0885901	0.23413485	2.6071060	21	4 6.3	19.0
180554 2004 EH_{24}	16.7	X	94.33701	64.60831	101.19483	5.72989	0.1697071	0.24160300	2.5531000	21	6 29.5	20.1
180555 2004 ER_{25}	15.8	X	74.29763	112.79755	195.69043	6.78589	0.1468572	0.26010985	2.4305143	21	12 10.5	19.4
180556 2004 EV_{25}	16.0	X	112.16049	89.09257	300.43403	5.20199	0.0169823	0.22225610	2.6991908	21	1 3.7	19.6
180557 2004 ET_{34}	16.7	X	128.58460	36.42029	132.35399	5.13828	0.1466887	0.24629074	2.5206004	21	8 8.6	20.4
180558 2004 EF_{47}	16.9	X	194.32150	237.87826	146.09506	2.87562	0.2190454	0.23700314	2.5860286	21	4 11.0	21.3
180559 2004 ES_{53}	15.9	X	172.82695	333.02861	108.35273	7.54631	0.1959949	0.24177844	2.5518648	21	6 2.5	20.2
180560 2004 EB_{54}	17.1	X	341.74022	61.30730	168.51459	4.97280	0.1427890	0.23263306	2.6183142	21	3 12.6	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
180561 2004 EU_{56}	16.1	X	356.52854	217.86315	17.31687	12.14205	0.1186649	0.23208343	2.6224464	21	4 16.4	18.8
180562 2004 EC_{66}	17.2	X	346.58978	258.43956	335.78989	4.35510	0.1454735	0.23345416	2.6121712	21	3 25.1	20.1
180563 2004 EB_{67}	15.7	X	99.86109	262.15635	170.43170	21.98911	0.0507057	0.22875839	2.6477970	21	2 12.5	19.4
180564 2004 EM_{68}	15.3	X	359.12260	291.81219	333.25899	10.65559	0.0636943	0.18566825	3.0430631	21	6 8.7	19.4
180565 2004 EU_{70}	16.8	X	303.93075	312.71490	308.38222	1.20824	0.1618853	0.22942574	2.6426600	21	2 25.3	20.2
180566 2004 EE_{73}	16.4	X	61.31524	281.44426	197.65277	7.22279	0.1111124	0.22946690	2.6423439	21	2 25.2	19.4
180567 2004 ET_{80}	16.2	X	149.99531	320.26949	118.34761	4.43334	0.1691986	0.24078345	2.5588901	21	5 8.2	20.2
180568 2004 EC_{84}	16.6	X	317.00098	269.33181	326.42224	2.96289	0.2562355	0.22528149	2.6749708	21	1 28.1	20.1
180569 2004 ED_{84}	16.4	X	36.52625	66.54865	178.59593	12.16062	0.1699823	0.23908674	2.5709821	21	7 21.9	19.4
180570 2004 EQ_{86}	16.4	X	356.06067	162.60537	111.14506	6.11286	0.1831598	0.23951366	2.5679261	21	6 10.8	18.6
180571 2004 EA_{87}	15.9	X	235.27803	92.38339	169.81717	12.39478	0.1428727	0.21579699	2.7527860	21	—	—
180572 2004 ER_{102}	17.2	X	311.98602	267.38033	124.01902	3.32031	0.2020988	0.25691746	2.4506068	21	9 8.9	19.2
180573 2004 EF_{106}	15.8	X	143.61817	14.11666	352.83450	10.85622	0.2172901	0.22472928	2.6793510	21	2 10.1	20.0
180574 2004 EP_{108}	16.7	X	61.40872	99.22912	334.76294	3.11416	0.1580783	0.22430551	2.6827246	21	1 2.7	19.5
180575 2004 FU_{7}	16.6	X	9.09501	37.80649	180.37008	5.77090	0.1101604	0.23456259	2.6039355	21	4 17.4	19.3
180576 2004 FV_{7}	15.9	X	74.34650	277.28373	267.88035	11.86986	0.2308828	0.23929341	2.5695016	21	7 8.3	19.2
180577 2004 FA_{10}	16.4	X	162.20538	275.01815	127.10740	4.04868	0.0933005	0.23344772	2.6122193	21	3 30.3	20.2
180578 2004 FL_{18}	16.9	X	81.66047	83.89773	100.34934	6.01474	0.2299133	0.23975467	2.5662049	21	7 17.9	20.3
180579 2004 FU_{19}	16.3	X	125.59972	107.16887	338.00616	11.00694	0.1590846	0.23689817	2.5867924	21	4 13.8	20.3
180580 2004 FF_{20}	16.5	X	183.12374	68.52897	172.49445	4.51562	0.1264419	0.26538827	2.3981789	21	—	—
180581 2004 FS_{20}	16.9	X	153.04035	329.76323	206.17916	3.80970	0.1401896	0.25105319	2.4886217	21	9 10.1	20.8
180582 2004 FU_{22}	17.5	X	227.79413	325.79529	174.39926	2.24384	0.1282352	0.26152251	2.4217539	21	10 15.1	20.6
180583 2004 FP_{24}	16.0	X	126.57255	208.40121	277.82695	9.01044	0.1237541	0.24154238	2.5535272	21	6 8.5	19.6
180584 2004 FD_{27}	16.9	X	116.60730	281.19278	196.49234	1.34099	0.1279943	0.23839852	2.5759278	21	5 17.3	20.3
180585 2004 FJ_{35}	16.1	X	64.87182	28.33240	198.79155	10.94609	0.0765778	0.24480881	2.5307623	21	7 26.6	19.5
180586 2004 FL_{35}	16.3	X	85.24832	302.24413	177.79292	14.60519	0.2287451	0.23420944	2.6065524	21	4 28.2	19.7
180587 2004 FQ_{35}	16.2	X	341.33736	200.75006	19.20737	8.16450	0.1524852	0.22906741	2.6454152	21	2 28.9	19.3
180588 2004 FK_{41}	16.3	X	317.54229	43.62214	170.54601	6.73339	0.0267008	0.22599957	2.6693016	21	2 2.1	20.0
180589 2004 FR_{41}	15.9	X	345.95463	87.19486	159.29562	13.11045	0.2414846	0.22900429	2.6459013	21	4 2.2	18.5
180590 2004 FN_{44}	16.0	X	258.35264	83.80413	162.91200	11.82306	0.0672366	0.22098289	2.7095486	21	—	—
180591 2004 FC_{47}	16.4	X	198.80379	217.63107	90.42790	5.65159	0.2368114	0.27660289	2.3329114	21	1 9.2	20.2
180592 2004 FK_{49}	16.4	X	52.12830	269.13449	338.65830	7.24952	0.1087845	0.24487163	2.5303294	21	8 15.6	19.3
180593 2004 FG_{51}	16.5	X	181.32036	182.70635	21.81255	6.66041	0.0778633	0.26265076	2.4148135	21	11 17.9	19.9
180594 2004 FH_{61}	16.9	X	222.84508	321.61938	138.42714	2.95739	0.1648624	0.25325474	2.4741783	21	8 12.2	20.7
180595 2004 FP_{61}	15.7	X	206.28048	326.52430	6.46711	22.05104	0.0530394	0.22722863	2.6596675	21	2 26.3	19.8
180596 2004 FJ_{63}	15.9	X	341.47328	228.78369	23.82512	7.38786	0.1138179	0.23307913	2.6149725	21	4 16.7	18.6
180597 2004 FL_{64}	16.2	X	37.73643	286.89029	186.12716	14.09821	0.1699404	0.22358239	2.6885058	21	1 9.3	19.2
180598 2004 FS_{64}	16.4	X	40.46557	110.41779	58.93874	3.10235	0.1335236	0.23091310	2.6312998	21	4 5.9	19.2
180599 2004 FQ_{79}	16.8	X	130.97929	264.90597	187.63045	13.14002	0.1512280	0.23796332	2.5790675	21	5 5.5	20.7
180600 2004 FV_{79}	16.6	X	271.55852	242.39424	73.83318	3.04846	0.0845624	0.23174346	2.6250106	21	4 9.9	20.2
180601 2004 FH_{81}	15.3	X	211.73634	229.38825	177.11277	28.67835	0.1566052	0.24001634	2.5643395	21	5 26.5	20.0
180602 2004 FM_{82}	16.0	X	149.29303	159.00836	144.85957	13.68369	0.1340579	0.21360917	2.7715504	21	—	—
180603 2004 FY_{83}	16.1	X	261.35033	91.16566	148.10175	12.61073	0.1488429	0.22001970	2.7174507	21	—	—
180604 2004 FX_{89}	16.1	X	128.02244	331.43052	156.01935	11.24235	0.0323007	0.23954546	2.5676988	21	6 3.2	19.8
180605 2004 FC_{92}	15.0	X	306.59366	164.06144	105.21614	18.78514	0.3594588	0.22360482	2.6883261	21	2 17.3	19.3
180606 2004 FE_{94}	16.4	X	29.56304	127.12563	160.43676	4.78546	0.2225013	0.24379298	2.5377875	21	9 23.3	18.8
180607 2004 FM_{94}	16.3	X	45.78124	11.76434	198.91998	6.74577	0.1845864	0.23631794	2.5910249	21	6 21.6	19.1
180608 2004 FB_{96}	16.4	X	254.23651	75.95606	34.00031	10.45630	0.0605881	0.25993045	2.4316326	21	10 19.2	19.4
180609 2004 FQ_{97}	15.5	X	0.76302	299.49269	156.22591	16.64354	0.1273839	0.21618677	2.7494763	21	—	—
180610 2004 FD_{100}	16.4	X	129.70503	65.03783	305.16542	0.86935	0.1046075	0.22136131	2.7064597	21	1 13.9	20.2
180611 2004 FD_{105}	15.4	X	7.64585	77.57033	175.50503	11.88743	0.2827544	0.23137451	2.6278004	21	6 7.1	17.3
180612 2004 FP_{106}	16.4	X	39.94732	22.37164	239.07669	2.75441	0.0946572	0.24392469	2.5368739	21	8 11.1	19.4
180613 2004 FM_{108}	16.7	X	89.75707	93.21663	352.32952	5.08118	0.1946415	0.23105651	2.6302109	21	3 11.0	19.8
180614 2004 FV_{116}	15.4	X	315.77253	80.77216	175.97942	17.70600	0.2486110	0.22607733	2.6686895	21	2 20.6	19.1
180615 2004 FZ_{117}	16.8	X	136.82333	94.42109	46.73496	3.17731	0.0950290	0.24361584	2.5390176	21	7 7.9	20.4
180616 2004 FQ_{118}	16.0	X	285.25379	330.18507	196.81497	11.09860	0.1526178	0.21154864	2.7895184	21	—	—
180617 2004 FZ_{118}	15.9	X	84.41423	311.96708	195.22729	11.36136	0.2795946	0.23546746	2.5972601	21	6 8.8	19.6
180618 2004 FD_{121}	16.1	X	288.43602	109.78466	151.96689	13.36230	0.1090573	0.22546481	2.6735206	21	2 15.5	19.7
180619 2004 FZ_{121}	16.0	X	264.10757	86.68028	174.47213	3.66490	0.2452465	0.21854821	2.7296348	21	1 10.4	20.6
180620 2004 FE_{126}	16.1	X	307.29630	7.71400	187.87118	7.29688	0.0513966	0.22063589	2.7123888	21	—	—
180621 2004 FM_{126}	15.9	X	124.92908	37.52818	14.37898	13.77605	0.0902068	0.22729364	2.6591603	21	3 3.6	19.7
180622 2004 FD_{127}	15.9	X	179.26794	338.27266	17.73715	3.30543	0.1005237	0.22671818	2.6636581	21	2 19.7	19.9
180623 2004 FJ_{127}	16.3	X	228.31975	272.65747	306.64808	2.04631	0.1085850	0.21123081	2.7923158	21	—	—
180624 2004 FW_{127}	16.8	X	329.80204	103.82725	107.48250	0.88788	0.0467066	0.22653270	2.6651119	21	2 13.1	20.3
180625 2004 FW_{134}	16.0	X	289.11269	245.70884	356.03161	11.27598	0.1376092	0.22228366	2.6989677	21	1 23.3	20.1
180626 2004 FL_{136}	15.8	X	39.67429	59.70592	129.68421	13.72557	0.1086277	0.23262720	2.6183582	21	5 6.2	19.1
180627 2004 FD_{137}	15.6	X	5.83498	99.11142	113.54345	17.09457	0.1105801	0.23004614	2.6379066	21	4 12.6	19.0
180628 2004 FE_{137}	15.7	X	260.83246	86.22080	128.33038	11.15969	0.0707369	0.21441402	2.7646103	21	—	—
180629 2004 FY_{139}	15.8	X	31.72670	328.77215	271.33253	10.75554	0.2054080	0.23728178	2.5840037	21	7 10.9	18.2
180630 2004 FQ_{141}	16.1	X	42.53397	320.35128	208.71019	12.52617	0.2014697	0.23215246	2.6219265	21	4 14.2	18.5
180631 2004 FF_{148}	15.3	X	292.04776	63.42203	191.32551	13.08664	0.1265083	0.22261139	2.6963181	21	2 6.3	19.3
180632 2004 FG_{160}	15.5	X	284.87461	169.52391	161.93782	15.14742	0.1976229	0.24123706	2.5556813	21	5 2.7	19.3
180633 2004 FL_{160}	17.0	X	66.39316	149.32834	39.13528	0.98830	0.0571951	0.24217063	2.5491089	21	6 3.7	20.2
180634 2004 FG_{161}	16.3	X	73.69302	273.13144	39.51825	2.59329	0.1725790	0.26033942	2.4290853	21	12 17.2	19.8
180635 2004 FG_{165}	16.5	X	205.13710	97.25332	192.77766	7.15065	0.1226755	0.21746989	2.7386506	21	—	—
180636 2004 GG_{4}	16.8	X	97.97685	266.51759	196.62362	3.96966	0.2215697	0.23303795	2.6152806	21	4 18.9	20.1
180637 2004 GC_{5}	16.3	X	67.45685	54.96937	96.45541	5.69865	0.1871779	0.23311814	2.6146807	21	5 6.8	19.2
180638 2004 GK_{7}	16.6	X	165.21301	248.62371	104.61292	4.12340	0.1041974	0.22523150	2.6753666	21	2 1.7	20.6
180639 2004 GQ_{9}	15.9	X	62.51090	288.67848	7.22953	8.51849	0.0851341	0.19478378	2.9473668	21	10 21.3	20.1
180640 2004 GJ_{14}	15.9	X	147.38365	13.54166	104.11990	9.00473	0.1020024	0.23873243	2.5735253	21	6 19.1	19.6

Planet		H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
		m		°	°	°	°		°				
180641	2004 GL_{14}	15.7	X	302.92867	85.28395	182.56952	12.66241	0.1265415	0.22696625	2.6617169	21	3 9.3	19.2
180642	2004 GY_{17}	16.1	X	318.98643	343.65183	185.44560	7.67571	0.0787281	0.21752988	2.7381470	21	—	—
180643	Cardoen	16.6	X	62.59083	56.82381	169.68772	9.07382	0.0903764	0.24126459	2.5554869	21	7 26.0	19.8
180644	2004 GO_{22}	15.9	X	196.04010	211.89928	200.15251	13.24092	0.0867384	0.23600095	2.5933445	21	5 18.2	19.8
180645	2004 GD_{23}	16.0	X	229.08296	110.79745	154.10278	2.63165	0.0486803	0.21676949	2.7445466	21	—	—
180646	2004 GE_{26}	16.2	X	321.12358	99.61122	191.30028	10.02063	0.1675369	0.23299351	2.6156131	21	5 1.1	19.2
180647	2004 GQ_{27}	15.3	X	313.69583	213.66927	88.59953	13.80174	0.3541059	0.22876166	2.6477719	21	4 11.3	19.0
180648	2004 GY_{29}	15.3	X	148.45903	352.97893	31.07422	14.51859	0.1637806	0.22391432	2.6858483	21	3 6.1	19.6
180649	2004 GK_{30}	15.6	X	199.54454	196.32249	208.31585	9.23915	0.0740523	0.23563597	2.5960217	21	5 12.0	19.4
180650	2004 GK_{32}	15.9	X	345.59665	4.03461	271.11010	6.94202	0.1969384	0.23665144	2.5885901	21	5 16.7	18.2
180651	2004 GT_{33}	15.9	X	243.13886	208.72718	43.69748	9.54181	0.2043426	0.21395495	2.7685635	21	—	—
180652	2004 GE_{34}	15.7	X	357.87084	289.28118	259.53537	10.47790	0.1334503	0.22663132	2.6643387	21	2 8.7	18.9
180653	2004 GR_{34}	16.4	X	18.22319	276.17791	224.18399	3.24979	0.1318949	0.22412336	2.6841779	21	1 13.4	19.4
180654	2004 GZ_{34}	15.7	X	232.42799	30.32303	255.54362	9.08742	0.2524584	0.21748111	2.7385564	21	1 14.1	20.7
180655	2004 GP_{35}	16.0	X	104.83462	230.55891	302.10614	6.90962	0.1777486	0.24188532	2.5511131	21	7 22.3	19.7
180656	2004 GH_{36}	15.9	X	51.26928	331.09122	198.90953	5.17212	0.2044604	0.23218306	2.6216962	21	5 6.1	18.4
180657	2004 GL_{36}	16.2	X	11.61798	299.31858	325.33193	3.76703	0.1933642	0.23629272	2.5912093	21	7 4.1	18.5
180658	2004 GF_{40}	15.6	X	235.09883	148.68030	117.50713	9.13410	0.1848145	0.21337589	2.7735702	21	—	—
180659	2004 GL_{41}	15.6	X	275.37229	301.41366	322.15612	14.57560	0.1550043	0.22302382	2.6929930	21	1 31.6	19.7
180660	2004 GQ_{42}	15.5	X	278.13713	300.21296	356.85612	12.52774	0.2003397	0.22782257	2.6550430	21	3 10.4	19.4
180661	2004 GB_{43}	16.0	X	329.87254	114.32449	137.74704	14.97416	0.1028392	0.22900067	2.6459292	21	4 5.3	19.5
180662	2004 GQ_{46}	16.3	X	324.87427	204.74489	48.37711	4.48482	0.1111905	0.22960013	2.6413217	21	3 25.2	19.6
180663	2004 GW_{46}	16.8	X	332.82632	265.20662	193.57446	3.54050	0.0673957	0.20920387	2.8103230	21	—	—
180664	2004 GD_{60}	15.9	X	0.67684	358.45142	98.57486	3.47220	0.0353639	0.21276684	2.7788606	21	—	—
180665	2004 GF_{60}	15.8	X	326.20158	286.94980	173.43534	7.20113	0.2457641	0.21175268	2.7877261	21	—	—
180666	2004 GC_{61}	15.5	X	2.11539	299.89205	211.69533	23.21926	0.1205966	0.22071536	2.7117377	21	—	—
180667	2004 GW_{63}	16.9	X	287.94750	112.75678	223.74756	2.33948	0.0638613	0.23816552	2.5776075	21	5 30.3	20.1
180668	2004 GG_{65}	16.5	X	266.96288	113.46502	188.06212	7.85448	0.1192575	0.22785516	2.6547898	21	3 10.8	20.4
180669	2004 GQ_{65}	16.9	X	260.40315	107.34465	187.95422	1.72750	0.0131742	0.22776977	2.6554532	21	3 7.7	20.3
180670	2004 GW_{72}	15.9	X	111.44517	267.76317	81.30883	5.41037	0.0785754	0.21089721	2.7952596	21	—	—
180671	2004 GX_{72}	15.6	X	39.85283	272.75992	198.18575	13.22764	0.1250382	0.22126168	2.7072721	21	1 10.7	18.9
180672	2004 GC_{74}	15.4	X	115.45729	346.43397	281.56119	10.70551	0.1611362	0.19684619	2.9267438	21	11 21.9	20.3
180673	2004 GL_{74}	16.0	X	15.94511	108.46160	133.07162	6.08812	0.0841737	0.23715417	2.5849305	21	6 2.9	19.0
180674	2004 GW_{76}	16.0	X	276.56575	129.32053	158.93554	11.87363	0.1780362	0.22549209	2.6733050	21	2 27.6	19.9
180675	2004 GK_{77}	15.5	X	319.12384	221.82949	77.18962	18.93064	0.2070349	0.23587255	2.5942856	21	5 7.5	18.7
180676	2004 GL_{77}	16.0	X	69.37746	143.78965	89.40583	16.43682	0.0749234	0.24536489	2.5269372	21	8 18.7	19.5
180677	2004 GL_{79}	16.4	X	175.31009	253.30874	118.58415	2.28541	0.1104935	0.22868531	2.6483611	21	3 7.1	20.3
180678	2004 GZ_{81}	15.6	X	20.18762	288.65464	148.54269	8.98806	0.0799335	0.21215235	2.7842239	21	—	—
180679	2004 GM_{82}	16.0	X	177.70274	220.47854	183.91186	13.69033	0.1260123	0.23506597	2.6002167	21	4 20.3	20.0
180680	2004 GE_{83}	16.8	X	128.57988	284.94591	93.54542	2.72458	0.0465920	0.21981022	2.7191769	21	1 15.3	20.6
180681	2004 GG_{87}	15.7	X	300.75131	252.40453	311.46222	8.31062	0.1291682	0.21817572	2.7327408	21	—	—
180682	2004 GK_{87}	16.3	X	226.60681	163.51726	88.45411	6.11610	0.0259907	0.21613572	2.7499092	21	—	—
180683	2004 HF	16.1	X	177.97254	142.20216	123.92102	8.06324	0.1634995	0.20935473	2.8089727	21	—	—
180684	2004 HW_{1}	15.7	X	318.36414	121.49073	41.19424	13.76257	0.1028205	0.21542121	2.7559865	21	—	—
180685	2004 HC_{6}	15.6	X	333.12749	153.32778	55.86484	12.87349	0.1314251	0.22289787	2.6940073	21	2 8.5	19.2
180686	2004 HN_{6}	15.9	X	277.02531	158.09533	67.45075	9.18945	0.1409149	0.21600294	2.7510360	21	—	—
180687	2004 HO_{7}	16.6	X	350.35662	72.71785	171.77787	4.47558	0.1465897	0.23331131	2.6132373	21	4 18.5	19.2
180688	2004 HN_{10}	15.8	X	221.08935	184.19787	114.94101	4.97861	0.0647154	0.21754407	2.7380280	21	1 24.6	19.9
180689	2004 HU_{10}	15.6	X	82.20115	125.66386	179.43975	9.04394	0.0547594	0.19943795	2.9013326	21	11 25.3	19.8
180690	2004 HG_{15}	16.5	X	321.65031	112.25714	328.63138	1.04699	0.0408117	0.20339855	2.8635459	21	12 5.2	20.1
180691	2004 HH_{19}	16.1	X	49.00146	289.35456	257.95937	4.38005	0.2706491	0.23413027	2.6071399	21	6 7.5	18.4
180692	2004 HH_{24}	15.8	X	165.08930	36.37129	36.28548	15.15871	0.0780167	0.23497550	2.6008840	21	5 7.2	19.5
180693	2004 HB_{26}	16.4	X	334.58548	125.04518	88.24705	3.39286	0.1479318	0.22442005	2.6818117	21	2 9.0	19.6
180694	2004 HD_{28}	16.2	X	71.43920	72.90728	97.71115	4.45430	0.1267568	0.23459543	2.6036925	21	5 29.1	19.3
180695	2004 HA_{31}	15.6	X	267.31685	236.13515	3.79796	7.93127	0.1318103	0.21667756	2.7453228	21	—	—
180696	2004 HO_{31}	16.2	X	198.62717	332.69946	47.84301	4.49163	0.0587292	0.23324457	2.6137358	21	4 10.2	19.9
180697	2004 HF_{32}	17.0	X	123.33176	338.87504	138.60225	2.24392	0.1533696	0.23899071	2.5716707	21	5 28.2	20.6
180698	2004 HH_{32}	16.6	X	198.36594	144.76496	158.44480	3.73572	0.1791816	0.21718227	2.7410679	21	1 8.9	21.1
180699	2004 HZ_{33}	15.7	X	207.57373	188.66880	100.82099	7.68154	0.2693307	0.21101681	2.7942034	21	1 3.4	20.8
180700	2004 HA_{44}	16.7	X	347.74187	313.78782	266.98890	3.98504	0.1881949	0.22813398	2.6526263	21	3 2.3	19.6
180701	2004 HQ_{44}	16.1	X	45.30431	231.27755	298.63970	2.73970	0.2044937	0.23121570	2.6290035	21	4 21.1	18.5
180702	2004 HX_{45}	15.7	X	332.28800	178.35103	54.14482	14.89300	0.1659255	0.22466671	2.6798484	21	3 8.2	19.2
180703	2004 HW_{46}	15.8	X	260.89321	262.20539	0.96436	13.05440	0.1814504	0.21945596	2.7221024	21	1 18.1	20.4
180704	2004 HM_{48}	15.8	X	17.06122	143.19686	335.80030	13.05451	0.1199497	0.21943313	2.7222912	21	—	—
180705	2004 HA_{50}	16.4	X	19.28915	201.12313	94.64265	5.15688	0.0975956	0.24547507	2.5261809	21	8 31.1	19.2
180706	2004 HJ_{50}	15.9	X	340.59946	153.21331	155.69788	12.95952	0.3057457	0.23649446	2.5897354	21	6 16.1	18.0
180707	2004 HK_{50}	15.8	X	356.88389	131.15423	107.82244	13.50577	0.1479790	0.23247990	2.6194641	21	4 29.0	18.8
180708	2004 HD_{51}	16.0	X	330.67958	352.63313	227.68413	14.39509	0.0971987	0.22452262	2.6809948	21	2 12.8	19.8
180709	2004 HA_{62}	15.6	X	30.34569	61.62621	182.03281	12.08693	0.1717427	0.23550230	2.5970040	21	7 8.2	18.5
180710	2004 HE_{67}	15.5	X	119.93531	272.27586	39.90145	13.23825	0.1262252	0.20193445	2.8773704	21	—	—
180711	2004 HF_{78}	16.4	X	89.44844	305.93971	37.63663	2.42213	0.0751653	0.20317009	2.8656922	21	—	—
180712	2004 HL_{78}	16.4	X	123.01630	163.99853	249.47741	4.40454	0.0621325	0.22102088	2.7092381	21	2 20.9	20.2
180713	2004 JM_{5}	14.8	X	325.94569	169.37421	167.27032	17.96370	0.2139234	0.17954841	3.1118239	21	7 7.5	18.6
180714	2004 JS_{9}	16.2	X	297.82422	134.52216	78.48839	10.58532	0.0854563	0.21770328	2.7366929	21	1 1.9	20.1
180715	2004 JN_{11}	15.9	X	204.77359	152.20508	141.42231	9.21717	0.1966378	0.21144219	2.7904546	21	1 4.5	20.7
180716	2004 JH_{12}	15.8	X	319.25975	319.38836	247.13248	11.09049	0.1202963	0.22173125	2.7034486	21	1 11.8	19.6
180717	2004 JP_{17}	16.2	X	21.31614	160.11563	53.94892	2.25242	0.1293885	0.23117202	2.6293347	21	5 3.8	18.9
180718	2004 JD_{20}	16.2	X	45.31659	157.75298	23.46032	5.51732	0.1710176	0.23123205	2.6288796	21	5 4.4	18.9
180719	2004 JR_{21}	16.1	X	339.50768	97.54055	45.06135	4.51098	0.0405279	0.21407498	2.7675286	21	—	—
180720	2004 JM_{22}	15.8	X	39.86617	11.86853	271.27451	2.09862	0.0573930	0.18692831	3.0293724	21	8 31.9	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
180721 2004 JV_{22}	16.4	X	290.96160	58.56820	197.27101	3.25436	0.1353574	0.22249608	2.6972496	21	2 7.5	20.2
180722 2004 JC_{24}	16.4	X	58.10630	288.50698	205.09221	1.66964	0.2199881	0.22772486	2.6558024	21	3 28.3	18.8
180723 2004 JG_{25}	15.9	X	24.11981	89.60369	39.91817	5.58377	0.0979533	0.22073104	2.7116093	21	1 13.6	19.1
180724 2004 JU_{25}	16.2	X	2.11173	263.29943	349.74452	0.60626	0.1135864	0.23259863	2.6185726	21	5 24.7	19.0
180725 2004 JA_{26}	16.1	X	266.31109	219.97812	48.82473	10.04697	0.1713606	0.21864453	2.7288331	21	1 30.0	20.5
180726 2004 JM_{26}	16.3	X	244.08866	204.87553	88.27977	2.47763	0.2348399	0.21678898	2.7443822	21	2 2.6	21.1
180727 2004 JT_{26}	16.4	X	306.00047	293.50730	264.90593	2.20347	0.1308159	0.21635685	2.7480352	21	—	—
180728 2004 JM_{27}	15.1	X	289.01189	262.32146	53.63190	7.29322	0.1744225	0.17095703	3.2152253	21	4 24.0	19.7
180729 2004 JE_{32}	16.1	X	276.76263	72.55558	169.24896	5.70860	0.0644800	0.21878707	2.7276477	21	1 14.5	20.1
180730 2004 JG_{33}	16.2	X	351.42536	352.65737	214.73904	12.67469	0.1200147	0.22544239	2.6736979	21	2 25.3	19.5
180731 2004 JW_{35}	16.1	X	30.07768	336.69354	110.48220	5.60640	0.0386363	0.21176614	2.7876080	21	—	—
180732 2004 JU_{40}	15.7	X	228.35219	186.80935	115.52442	8.92326	0.1338878	0.21781432	2.7357628	21	2 3.8	20.1
180733 2004 JH_{42}	15.5	X	79.00125	114.02245	213.85758	9.61195	0.1156816	0.19833688	2.9120605	21	12 23.9	19.9
180734 2004 JE_{44}	15.0	X	52.91844	124.33451	153.11223	6.60691	0.1700017	0.18623712	3.0368631	21	9 30.6	19.1
180735 2004 JF_{44}	16.4	X	297.03465	143.23732	121.73238	6.75378	0.2081747	0.22293672	2.6936943	21	2 18.4	20.2
180736 2004 JG_{45}	15.9	X	2.05938	115.87000	126.95002	14.65784	0.2752289	0.23017978	2.6368855	21	5 7.3	18.2
180737 2004 JH_{55}	16.6	X	64.82962	128.95967	6.79622	5.05297	0.2026532	0.23135529	2.6279459	21	4 9.5	19.3
180738 2004 KW_{3}	16.0	X	162.99763	48.44929	249.48239	0.51760	0.1020431	0.20666072	2.8333317	21	—	—
180739 Barbet	15.8	X	184.19744	112.45290	174.25508	5.84371	0.0892504	0.20869784	2.8148640	21	—	—
180740 2004 KB_{14}	16.0	X	282.07884	114.49419	164.13466	11.48952	0.1212075	0.22252261	2.6970352	21	2 28.2	19.8
180741 2004 KL_{16}	16.2	X	259.52479	314.90126	129.92198	12.23905	0.0547699	0.18916949	3.0053980	21	9 18.2	20.5
180742 2004 LL_{2}	15.5	X	246.85841	142.00271	119.20903	14.15836	0.1412946	0.21387702	2.7692360	21	1 3.0	20.0
180743 2004 LR_{3}	16.1	X	27.52531	53.64608	185.33309	11.86418	0.1421888	0.23327851	2.6134823	21	6 23.1	19.1
180744 2004 LM_{4}	15.8	X	86.11316	218.44167	24.58028	2.00511	0.2075319	0.24338966	2.5405903	21	10 5.6	19.5
180745 2004 LK_{7}	15.8	X	323.00261	165.21739	73.41078	5.60337	0.2053249	0.22320295	2.6915519	21	2 18.4	19.2
180746 2004 LA_{11}	15.5	X	355.03908	130.34338	177.99514	4.90408	0.1621493	0.18000214	3.1065923	21	7 30.1	18.9
180747 2004 LU_{14}	15.8	X	219.11421	50.67224	159.88713	10.10381	0.0096775	0.20126672	2.8837310	21	—	—
180748 2004 LB_{16}	16.0	X	22.04089	131.34271	118.49766	14.07112	0.2252323	0.23105139	2.6302498	21	7 8.1	18.2
180749 2004 LT_{16}	15.5	X	216.19312	135.57429	123.27023	7.25571	0.0910045	0.20889689	2.8130755	21	—	—
180750 2004 LG_{21}	16.2	X	309.22119	84.10906	163.05094	10.67669	0.2072171	0.22162129	2.7043427	21	2 8.0	20.0
180751 2004 LR_{26}	15.3	X	48.55054	105.07265	140.33195	8.55225	0.2120752	0.23758149	2.5818300	21	8 22.6	18.3
180752 2004 NF	15.3	X	100.13852	220.62840	63.98789	13.00874	0.1175070	0.18997077	2.9969410	21	11 24.1	19.7
180753 2004 NY_{14}	15.8	X	25.25825	162.78441	134.20263	10.00714	0.1281716	0.17787229	3.1313421	21	9 8.4	19.7
180754 2004 NK_{27}	15.6	X	12.03494	44.98734	252.14020	4.00402	0.1368557	0.17560519	3.1582354	21	8 13.7	19.5
180755 2004 NC_{29}	15.3	X	40.70309	77.35306	239.03871	5.61246	0.0932322	0.18166089	3.0876526	21	10 18.4	19.4
180756 2004 NF_{30}	17.3	X	73.39231	119.82815	324.07993	16.78606	0.0926736	0.38363590	1.8758145	21	—	—
180757 2004 NE_{33}	14.6	X	37.68009	304.08823	12.18812	24.04315	0.3564323	0.17992148	3.1075208	21	11 14.2	19.1
180758 2004 OF_{2}	16.1	X	280.07172	88.48424	155.57172	7.96986	0.1727283	0.21311786	2.7758084	21	1 10.7	20.5
180759 2004 OQ_{5}	15.3	X	347.31526	160.60988	130.92870	1.79829	0.1988356	0.17160226	3.2071606	21	6 19.8	18.7
180760 2004 OV_{5}	15.0	X	160.33590	275.34790	320.45847	12.13957	0.1282519	0.19329784	2.9624524	21	11 21.4	20.0
180761 2004 OK_{6}	15.9	X	85.43159	0.47308	289.10009	4.28104	0.1547673	0.18792551	3.0186462	21	11 17.4	20.5
180762 2004 PC_{14}	15.6	X	22.74167	245.03571	67.59086	2.18155	0.1765622	0.17691931	3.1425767	21	9 29.7	19.3
180763 2004 PA_{15}	14.9	X	11.36911	249.23922	43.28817	6.30133	0.1219496	0.17148362	3.2086397	21	8 9.6	18.8
180764 2004 PO_{16}	15.1	X	24.76219	138.61189	162.90668	23.83046	0.1837502	0.17454164	3.1710518	21	9 19.4	18.8
180765 2004 PJ_{18}	15.3	X	336.21791	68.52809	264.43960	4.08439	0.1703002	0.17169796	3.2059688	21	7 27.1	18.8
180766 2004 PN_{22}	15.6	X	119.33958	113.11525	156.57301	8.91210	0.1305273	0.18863544	3.0110678	21	11 27.6	20.5
180767 2004 PC_{36}	15.9	X	93.16920	173.10094	121.40938	2.83598	0.2196017	0.18644665	3.0345875	21	12 7.4	20.8
180768 2004 PK_{54}	15.1	X	34.31564	70.67468	194.62128	4.51028	0.1435392	0.17255252	3.1953751	21	8 9.6	19.1
180769 2004 PE_{58}	14.8	X	10.61635	7.95111	278.99492	3.56969	0.1118181	0.17184899	3.2040901	21	7 27.9	18.6
180770 2004 PQ_{63}	16.1	X	28.08520	96.35269	206.99198	1.50517	0.1615724	0.17684891	3.1434106	21	9 22.8	20.0
180771 2004 PZ_{73}	14.6	X	176.53389	211.34709	323.04163	19.92590	0.2605074	0.18407735	3.0605711	21	9 16.5	20.3
180772 2004 PZ_{81}	15.0	X	33.46511	149.46664	177.70561	17.98786	0.1669716	0.18098803	3.0953004	21	11 5.6	19.2
180773 2004 PB_{105}	14.9	X	71.06536	352.36898	269.27137	9.47577	0.1855603	0.17712533	3.1401394	21	9 28.1	19.6
180774 2004 QB_{1}	16.5	X	118.63303	70.04882	354.65036	19.17565	0.1038048	0.37695555	1.8979115	21	2 16.5	18.3
180775 2004 QP_{8}	14.8	X	55.88769	156.51745	92.10878	23.10923	0.1423304	0.17472051	3.1688873	21	8 29.2	19.4
180776 2004 QY_{10}	15.3	X	65.54115	163.63376	99.55672	11.68954	0.1883782	0.17690201	3.1427816	21	10 4.9	20.0
180777 2004 QU_{25}	14.9	X	64.75405	316.62726	17.02325	17.65911	0.2501881	0.18393534	3.0621462	21	12 29.9	19.9
180778 2004 RN_{16}	15.8	X	91.48008	262.02178	48.04155	3.63364	0.2289733	0.18677203	3.0310620	21	12 24.1	20.7
180779 2004 RZ_{30}	15.7	X	117.95105	119.41523	153.93715	8.98664	0.2211879	0.18785886	3.0193603	21	12 4.7	20.9
180780 2004 RY_{48}	15.4	X	41.02760	205.39248	99.47550	2.95947	0.1500536	0.17704136	3.1411323	21	10 14.6	19.4
180781 2004 RU_{54}	15.6	X	106.05582	66.09575	215.04208	6.82284	0.2214414	0.18616287	3.0376705	21	12 3.0	20.6
180782 2004 RH_{139}	15.9	X	81.26994	180.25142	115.79800	1.91919	0.1544640	0.18312627	3.0711589	21	11 21.5	20.6
180783 2004 RK_{146}	15.5	X	107.92511	274.21480	357.84127	3.80724	0.2201596	0.18480332	3.0525506	21	11 22.7	20.5
180784 2004 RB_{152}	15.1	X	91.28560	87.90345	204.87975	16.28150	0.0896475	0.18521432	3.0480330	21	11 21.9	19.8
180785 2004 RE_{152}	14.6	X	159.73017	340.22819	216.67439	16.19063	0.1506457	0.18199463	3.0838767	21	10 5.9	19.7
180786 2004 RO_{182}	15.3	X	37.58303	354.83599	290.57415	4.07136	0.1282291	0.17212020	3.2007235	21	9 7.6	19.4
180787 2004 RY_{189}	14.5	X	331.54035	176.44965	205.84197	18.00753	0.1645535	0.17250592	3.1959506	21	9 22.6	18.4
180788 2004 RF_{195}	14.7	X	259.10996	110.17000	212.67083	5.00715	0.1442091	0.15357485	3.4534723	21	4 3.2	20.0
180789 2004 RU_{216}	14.3	X	91.31257	347.11655	294.31239	11.74137	0.2890755	0.18186341	3.0853598	21	11 24.2	19.6
180790 2004 SX_{9}	15.1	X	346.35620	259.43607	58.81060	5.94148	0.1681064	0.17222127	3.1994711	21	7 29.3	18.7
180791 2004 SO_{18}	15.0	X	17.81202	152.08382	170.42642	13.82146	0.1691408	0.17779515	3.1322477	21	10 4.3	18.7
180792 2004 TZ_{338}	16.7	X	62.01665	316.75001	73.31423	23.62747	0.1030319	0.36224983	1.9489345	21	—	—
180793 2004 XL_{23}	16.2	X	76.74830	148.64825	277.91612	19.09483	0.1086227	0.36506130	1.9389154	21	—	—
180794 2004 XD_{101}	16.1	X	11.48757	184.98554	296.66196	2.44132	0.0612140	0.24482103	2.5306781	21	—	—
180795 2004 YT_{4}	17.0	X	345.81056	132.47700	309.42122	17.33221	0.0975592	0.35111212	1.9899347	21	—	—
180796 2005 CB_{69}	16.7	X	288.85705	170.53262	107.55987	9.36594	0.2213516	0.29396552	2.2401226	21	2 15.6	20.0
180797 2005 EM_{7}	17.6	X	299.29564	56.64225	162.90440	3.81083	0.1022922	0.29761959	2.2217492	21	—	—
180798 2005 EP_{23}	17.2	X	315.03977	46.11374	168.89787	7.38888	0.0783278	0.30133537	2.2034471	21	1 7.3	19.9
180799 2005 EZ_{34}	16.8	X	315.54644	280.06940	344.64422	5.32795	0.1646297	0.30522773	2.1846744	21	3 4.7	19.3
180800 2005 ER_{64}	17.3	X	225.48097	135.03019	62.30846	2.08844	0.1160178	0.28407519	2.2918201	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
180801 2005 ET_{99}	17.4	X	104.25932	257.15783	278.77569	3.94088	0.0395269	0.32136050	2.1109327	21	7 7.4	19.5
180802 2005 EL_{101}	16.8	X	205.23377	333.65709	2.24644	7.12400	0.2379863	0.29786877	2.2205100	21	2 16.2	20.5
180803 2005 EN_{117}	16.4	X	211.47824	265.34402	9.32529	6.64091	0.1358388	0.29007135	2.2601269	21	—	—
180804 2005 ET_{117}	17.2	X	160.69567	186.78724	191.17512	6.15586	0.0617544	0.30177926	2.2012859	21	2 7.8	19.9
180805 2005 EL_{148}	16.6	X	124.46405	214.46162	143.85412	5.44819	0.2443989	0.29039873	2.2584280	21	—	—
180806 2005 EB_{151}	17.5	X	172.37734	125.58758	153.69415	5.14790	0.1513740	0.28283291	2.2985260	21	—	—
180807 2005 EG_{164}	16.9	X	259.70532	63.75666	191.28355	5.03684	0.1567865	0.29221680	2.2490508	21	—	—
180808 2005 EU_{168}	17.3	X	258.68729	61.88017	194.60733	4.32516	0.1309580	0.29465383	2.2366326	21	—	—
180809 2005 EG_{179}	17.4	X	118.16268	347.77089	335.10584	2.29242	0.1917470	0.28439147	2.2901205	21	—	—
180810 2005 EK_{206}	16.6	X	149.18150	326.28695	339.56270	5.44326	0.2136902	0.28276445	2.2988970	21	—	—
180811 2005 ET_{206}	16.4	X	254.07800	346.32135	346.33698	4.85998	0.2012326	0.30582913	2.1818095	21	3 21.8	19.7
180812 2005 EB_{211}	16.9	X	105.45944	248.18340	200.50739	3.95612	0.1008739	0.30704327	2.1760540	21	3 8.9	19.1
180813 2005 EE_{239}	16.5	X	338.76287	11.01465	5.40737	11.92144	0.1025934	0.27202265	2.3590257	21	10 16.4	18.8
180814 2005 EU_{268}	17.3	X	283.91202	84.73559	236.22366	2.32569	0.1482093	0.30940306	2.1649755	21	4 12.8	20.0
180815 2005 EB_{277}	16.9	X	64.60109	138.69013	192.94587	3.35965	0.1882451	0.27295712	2.3536385	21	—	—
180816 2005 EO_{280}	15.5	X	329.31342	38.04606	32.86562	14.68733	0.0284305	0.21759045	2.7376389	21	12 3.2	19.2
180817 2005 EG_{324}	18.3	X	332.74705	46.06261	178.98960	1.77156	0.1396118	0.30425016	2.1893516	21	2 4.7	20.8
180818 2005 FH_{4}	16.6	X	241.81683	212.11477	56.90320	6.46675	0.1463848	0.29410799	2.2393991	21	—	—
180819 2005 FP_{6}	17.2	X	304.44060	133.05945	122.01250	6.90779	0.0816329	0.30317109	2.1945435	21	2 18.8	19.7
180820 2005 FH_{11}	17.0	X	87.47649	302.72288	29.42242	5.77951	0.1688060	0.27683234	2.3316221	21	—	—
180821 2005 GZ_{3}	16.5	X	78.12530	239.14474	52.33599	6.70962	0.1113513	0.26872877	2.3782633	21	11 19.7	19.8
180822 2005 GO_{4}	16.4	X	269.26938	303.15192	64.89685	6.32420	0.1389824	0.25408209	2.4688044	21	6 5.1	19.5
180823 2005 GB_{5}	17.4	X	291.93504	125.64667	164.11034	5.33388	0.1985246	0.30242910	2.1981315	21	3 5.3	20.4
180824 Kabos	17.2	X	235.42675	124.78717	176.62604	6.23854	0.1287966	0.29872274	2.2162761	21	1 26.4	20.4
180825 2005 GS_{9}	16.1	X	188.14062	285.37608	349.46767	22.92067	0.2163776	0.28342528	2.2953222	21	—	—
180826 2005 GP_{19}	17.5	X	307.61844	126.72696	31.73077	2.13726	0.1195339	0.28860876	2.2677563	21	—	—
180827 2005 GV_{26}	16.9	X	299.32993	58.49478	178.90821	5.08260	0.1257434	0.29718512	2.2239141	21	1 12.2	19.9
180828 2005 GG_{38}	17.2	X	254.86052	244.97194	307.15343	3.31888	0.0550342	0.28450013	2.2895373	21	—	—
180829 2005 GK_{43}	16.6	X	231.98220	335.99684	299.78452	6.52051	0.1104525	0.29292040	2.2454478	21	—	—
180830 2005 GT_{43}	17.3	X	320.47545	191.36355	6.92629	6.69055	0.0602246	0.29583581	2.2306712	21	—	—
180831 2005 GO_{46}	17.2	X	142.47538	292.14640	5.84790	6.57484	0.1312724	0.28219717	2.3019768	21	—	—
180832 2005 GP_{46}	16.7	X	11.17622	345.33174	341.44497	1.04991	0.1932898	0.26457923	2.4030652	21	10 14.6	18.6
180833 2005 GP_{53}	16.5	X	16.49019	29.15990	37.04305	8.03673	0.0812793	0.28150526	2.3057473	21	—	—
180834 2005 GC_{58}	17.4	X	287.50080	36.55337	174.40201	3.58488	0.0474804	0.29224918	2.2488847	21	—	—
180835 2005 GX_{60}	16.2	X	306.85302	174.92903	60.62374	13.55901	0.1104184	0.23809456	2.5781196	21	2 7.4	19.9
180836 2005 GG_{68}	16.6	X	115.26089	347.38716	18.34709	3.52822	0.1536010	0.28831598	2.2692912	21	—	—
180837 2005 GZ_{72}	16.8	X	311.27860	154.27924	87.59953	4.66089	0.0861568	0.30117571	2.2042258	21	2 9.6	19.4
180838 2005 GG_{76}	16.8	X	337.56411	139.96223	116.19757	5.15674	0.1389378	0.30591863	2.1813839	21	4 3.7	18.9
180839 2005 GE_{80}	16.7	X	246.54494	157.74361	120.76682	5.66198	0.1753246	0.29289928	2.2455558	21	1 9.3	20.1
180840 2005 GM_{86}	16.8	X	238.47078	80.58377	187.51257	6.04498	0.1102482	0.29220741	2.2490990	21	—	—
180841 2005 GH_{88}	16.4	X	207.83740	249.10462	45.57577	7.04558	0.1396937	0.29001252	2.2604325	21	—	—
180842 2005 GN_{93}	17.4	X	104.94691	182.82137	344.33499	4.42535	0.0518184	0.31572733	2.1359673	21	6 27.4	19.7
180843 2005 GR_{107}	18.4	X	23.73390	235.24853	44.05443	0.96455	0.0191266	0.32040176	2.1151416	21	8 8.2	20.4
180844 2005 GX_{113}	16.2	X	152.96373	226.30865	74.16419	9.91236	0.1549413	0.28063833	2.3104934	21	—	—
180845 2005 GG_{114}	17.1	X	81.07002	250.94586	132.28449	2.26718	0.1649903	0.28764272	2.2728309	21	—	—
180846 2005 GE_{133}	17.0	X	281.00685	255.07480	86.03641	3.26470	0.1577299	0.31101441	2.1574913	21	5 8.2	19.5
180847 2005 GM_{136}	16.9	X	259.04191	194.50866	96.77284	6.42191	0.1866803	0.29623631	2.2286602	21	2 5.9	20.3
180848 2005 GV_{152}	17.5	X	241.71308	154.10225	108.68980	2.52175	0.1656143	0.29030962	2.2588901	21	—	—
180849 2005 GX_{152}	16.9	X	166.04416	74.67336	186.62411	6.64299	0.0895702	0.27830105	2.3234116	21	—	—
180850 2005 GX_{160}	17.1	X	250.84930	208.14435	45.43130	5.43481	0.1772297	0.28972906	2.2619067	21	—	—
180851 2005 GZ_{161}	17.3	X	338.01319	301.90461	353.91336	5.38738	0.0305825	0.31414254	2.1431449	21	6 17.9	19.5
180852 2005 GA_{167}	16.8	X	358.80193	225.82917	51.54182	3.24855	0.1158506	0.31175137	2.1540898	21	6 22.3	18.4
180853 2005 GR_{167}	18.0	X	314.01827	159.51983	40.88328	1.86096	0.1307659	0.29355089	2.2422315	21	—	—
180854 2005 GF_{169}	17.2	X	277.11121	182.43812	33.58035	6.44376	0.0863363	0.29077042	2.2565029	21	—	—
180855 Debrarose	16.9	X	276.41650	338.97749	185.32893	4.34454	0.0950291	0.28244583	2.3006256	21	—	—
180856 2005 HX_{5}	16.7	X	222.08375	195.81424	159.31660	7.88135	0.1949468	0.23805761	2.5783864	21	3 30.5	20.9
180857 Hofigéza	16.9	X	337.28543	117.38734	34.88199	6.34521	0.1058847	0.29149088	2.2527832	21	—	—
180858 2005 HX_{7}	16.6	X	70.56315	164.64030	121.09126	6.02539	0.1919920	0.26373749	2.4081755	21	11 14.9	20.1
180859 2005 JA_{17}	16.7	X	277.88550	248.44245	311.34899	5.10717	0.1240701	0.28861434	2.2677270	21	—	—
180860 2005 JR_{19}	16.8	X	288.56055	273.07453	35.26172	1.42510	0.1328906	0.30467538	2.1873140	21	4 4.7	19.6
180861 2005 JS_{22}	16.7	X	168.59440	305.20116	340.02362	4.95683	0.1592119	0.28258773	2.2998553	21	—	—
180862 2005 JM_{26}	16.5	X	56.14143	241.13333	182.79070	6.52654	0.0822076	0.28629016	2.2799838	21	—	—
180863 2005 JE_{27}	16.8	X	337.25975	225.52229	190.38246	7.36172	0.0901967	0.27146849	2.3622350	21	12 13.6	19.3
180864 2005 JL_{27}	16.6	X	94.07056	194.34359	80.31589	7.53610	0.1195748	0.26635667	2.3923626	21	11 17.9	20.0
180865 2005 JW_{28}	17.4	X	248.60349	91.87702	167.07937	7.30963	0.1227159	0.28917481	2.2647959	21	—	—
180866 2005 JC_{35}	17.0	X	295.32875	66.88313	155.98574	5.25839	0.1164789	0.29190239	2.2506655	21	—	—
180867 2005 JO_{41}	16.3	X	172.69159	352.68260	56.40253	8.43010	0.1636083	0.24269370	2.5454450	21	4 22.4	20.4
180868 2005 JP_{42}	17.0	X	278.82529	142.14299	102.90585	2.94208	0.0314619	0.29381456	2.2408898	21	1 9.9	19.6
180869 2005 JZ_{42}	17.3	X	302.04379	354.43340	184.10729	4.25326	0.1443834	0.28878166	2.2668510	21	—	—
180870 2005 JR_{44}	17.0	X	109.24319	192.32605	111.89608	2.26534	0.1927642	0.27146262	2.3622690	21	—	—
180871 2005 JS_{54}	17.4	X	95.12740	27.33383	251.46405	0.68988	0.1613706	0.26589355	2.3951397	21	11 26.3	20.9
180872 2005 JQ_{74}	17.4	X	339.85558	281.50327	187.01715	2.60142	0.1078529	0.28289404	2.2981948	21	—	—
180873 2005 JZ_{74}	16.2	X	340.50947	306.12768	284.36441	3.37417	0.1248297	0.24217858	2.5490532	21	3 10.3	19.1
180874 2005 JW_{81}	16.9	X	89.36104	94.99194	179.77791	6.34920	0.0996272	0.26503242	2.4003250	21	11 10.8	20.3
180875 2005 JR_{84}	16.7	X	324.21335	126.52553	82.72616	6.76036	0.1032821	0.29802790	2.2197195	21	1 9.8	19.3
180876 2005 JU_{88}	15.8	X	229.76528	170.73738	163.37734	4.54532	0.2617196	0.23365792	2.6106523	21	3 8.3	20.2
180877 2005 JF_{90}	16.2	X	201.16857	259.52053	67.08425	8.98510	0.1869776	0.22979492	2.6398288	21	2 9.5	20.7
180878 2005 JQ_{91}	17.2	X	312.27990	343.78663	238.48039	7.37357	0.0823485	0.29568307	2.2314393	21	1 13.4	20.1
180879 2005 JU_{93}	16.9	X	145.56401	313.76132	252.41123	1.96900	0.1232765	0.26438444	2.4042454	21	10 12.6	20.6
180880 2005 JN_{101}	17.3	X	6.08318	273.02610	203.09158	1.46349	0.0973497	0.28815990	2.2701106	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
180881 2005 JK_{104}	17.4	X	20.13721	6.27413	234.98763	4.08747	0.1051884	0.30967940	2.1636874	21	6 5.9	18.9
180882 2005 JU_{111}	17.1	X	230.30585	234.47004	33.90187	6.41745	0.1671506	0.28848589	2.2684001	21	—	—
180883 2005 JQ_{112}	15.8	X	302.17089	162.67278	164.26533	12.12348	0.2430131	0.24350603	2.5397808	21	5 10.9	19.2
180884 2005 JG_{117}	16.8	X	76.88242	151.84118	165.14806	5.39337	0.1878424	0.26754963	2.3852459	21	12 28.3	20.5
180885 2005 JX_{122}	17.2	X	281.06133	8.25280	237.95894	3.18525	0.0695974	0.29418148	2.2390261	21	1 9.6	20.0
180886 2005 JZ_{122}	16.6	X	253.11960	349.13606	331.28760	0.38083	0.1830131	0.23772706	2.5807760	21	3 14.4	20.7
180887 2005 JY_{124}	16.1	X	221.07321	177.14975	180.73209	13.58236	0.2066728	0.23669264	2.5882897	21	3 31.9	20.4
180888 2005 JW_{125}	17.1	X	66.44625	267.69531	354.25475	1.57546	0.1623559	0.25876848	2.4389064	21	10 3.1	20.0
180889 2005 JR_{133}	16.8	X	30.56924	195.85676	126.25115	4.25015	0.2411006	0.25940738	2.4349002	21	11 19.4	19.6
180890 2005 JL_{135}	16.6	X	2.29593	347.61060	220.89218	4.28933	0.0607725	0.30113969	2.2044016	21	3 11.3	18.8
180891 2005 JL_{137}	17.2	X	98.81860	148.49648	150.47496	2.93357	0.1806492	0.26963258	2.3729457	21	12 26.4	20.9
180892 2005 JZ_{144}	15.8	X	235.67740	233.93780	86.94385	4.53553	0.2076749	0.23291537	2.6161980	21	3 1.1	20.2
180893 2005 JU_{146}	15.8	X	161.41798	213.07786	158.28418	13.78821	0.2103968	0.22944480	2.6425137	21	2 27.2	20.0
180894 2005 JV_{149}	17.2	X	262.82209	344.87706	180.11573	6.99317	0.0529343	0.27813359	2.3243441	21	—	—
180895 2005 JQ_{156}	16.9	X	142.22268	245.42630	357.79715	3.44598	0.1439885	0.27023698	2.3694063	21	11 25.7	20.5
180896 2005 JP_{160}	16.8	X	191.12511	112.95974	166.68524	5.47023	0.1110395	0.28320546	2.2965098	21	—	—
180897 2005 JC_{161}	16.6	X	288.28192	150.10136	178.40953	6.54294	0.1410545	0.24558739	2.5254106	21	5 8.5	19.9
180898 2005 JQ_{162}	17.2	X	43.53520	223.14194	172.29716	5.46983	0.0861242	0.27756055	2.3275421	21	—	—
180899 2005 JC_{163}	17.0	X	264.48370	101.90070	178.88672	2.21691	0.0420444	0.29620697	2.2288074	21	2 6.8	19.6
180900 2005 JD_{165}	17.3	X	138.32499	253.43804	345.09266	0.93625	0.1452423	0.26819635	2.3814098	21	11 16.5	20.9
180901 2005 JL_{167}	16.7	X	200.55704	165.38512	105.76797	4.51948	0.1588986	0.28190816	2.3035499	21	—	—
180902 2005 JX_{167}	16.8	X	303.51136	36.61186	262.21260	3.58458	0.1281917	0.23788464	2.5796361	21	4 18.3	20.0
180903 2005 JW_{178}	15.3	X	271.24275	280.90112	41.46990	14.99952	0.0937140	0.18517418	3.0484735	21	4 21.3	19.7
180904 2005 JG_{179}	17.3	X	238.46988	166.61252	92.81378	5.53870	0.1545139	0.28775080	2.2722618	21	—	—
180905 2005 JU_{181}	17.0	X	192.90237	1.94131	239.38542	2.35911	0.0383193	0.28053745	2.3110472	21	—	—
180906 2005 KB_{6}	17.5	X	257.05669	197.14418	87.14516	3.84074	0.1150934	0.29465960	2.2366034	21	1 29.9	20.6
180907 2005 KW_{7}	17.4	X	252.04204	82.40695	212.15761	4.77556	0.1607777	0.29357835	2.2420917	21	2 2.2	20.9
180908 2005 KT_{8}	17.1	X	42.38934	14.24399	141.95395	3.97712	0.1597526	0.30150823	2.2026049	21	3 5.5	18.6
180909 2005 KA_{10}	17.2	X	336.55537	201.13285	14.77713	6.51270	0.0924747	0.29856027	2.2170801	21	2 9.8	19.6
180910 2005 KB_{11}	16.7	X	291.48773	325.26973	327.20405	3.31803	0.2288225	0.23846478	2.5754506	21	3 12.0	20.5
180911 2005 KN_{11}	16.3	X	180.81156	342.87567	269.07944	9.35478	0.1837774	0.27316375	2.3524515	21	—	—
180912 2005 LY_{2}	16.9	X	315.58061	24.21446	192.69055	6.50776	0.0511113	0.29385886	2.2406646	21	1 15.8	19.8
180913 2005 LD_{4}	16.7	X	30.01936	129.77774	142.53493	6.54273	0.1077303	0.25468015	2.4649379	21	8 14.3	19.0
180914 2005 LM_{5}	16.9	X	171.16659	130.46180	145.91716	4.96643	0.2235522	0.27653874	2.3332721	21	—	—
180915 2005 LO_{5}	16.8	X	285.36236	59.77824	210.11231	6.24300	0.1828510	0.29541927	2.2327675	21	1 31.9	20.2
180916 2005 LU_{9}	16.9	X	298.51347	2.12317	178.92181	5.95447	0.0498779	0.28487555	2.2875255	21	—	—
180917 2005 LZ_{9}	15.9	X	236.27783	220.68337	100.88178	13.75408	0.1942092	0.23230582	2.6207725	21	3 6.2	20.4
180918 2005 LJ_{11}	16.4	X	126.50459	351.90796	267.75068	5.60931	0.1057768	0.26410209	2.4059586	21	11 30.0	20.0
180919 2005 LU_{14}	15.7	X	216.06324	144.11062	193.77556	7.82263	0.2045202	0.23308779	2.6149077	21	3 1.8	20.2
180920 2005 LN_{16}	16.6	X	206.72932	49.65100	260.82057	3.90703	0.1064184	0.22279310	2.6948518	21	1 21.9	20.8
180921 2005 LV_{16}	16.9	X	246.20438	100.47147	76.87688	7.33229	0.0634407	0.27667955	2.3324804	21	—	—
180922 2005 LY_{16}	15.6	X	248.04194	262.28084	86.45325	5.65806	0.2895232	0.23789287	2.5795766	21	4 9.1	20.1
180923 2005 LG_{17}	17.2	X	101.01771	14.24370	238.79012	1.33807	0.1661618	0.26312252	2.4119263	21	10 30.7	20.9
180924 2005 LH_{17}	17.0	X	286.47538	151.77835	76.60321	4.73595	0.0759162	0.29114689	2.2545573	21	—	—
180925 2005 LY_{23}	16.2	X	241.85204	23.67470	239.02454	23.95273	0.1425610	0.28711267	2.2756273	21	—	—
180926 2005 LD_{24}	16.2	X	50.06229	15.01716	269.54632	5.02859	0.2042828	0.25483872	2.4639153	21	10 16.1	19.3
180927 2005 LX_{24}	16.3	X	110.28121	157.32833	118.30752	4.59117	0.1820120	0.26224709	2.4172910	21	12 7.8	20.2
180928 2005 LX_{26}	17.0	X	314.01799	155.44836	108.21173	3.51291	0.0966135	0.23474445	2.6025904	21	3 25.2	20.3
180929 2005 LG_{27}	17.1	X	123.03589	281.44370	162.46134	6.77693	0.0783041	0.30175966	2.2013812	21	3 27.6	19.5
180930 2005 LS_{30}	15.1	X	120.02313	310.45205	277.24288	10.45187	0.0822131	0.18993311	2.9973372	21	9 28.8	19.8
180931 2005 LW_{30}	16.1	X	203.25066	156.68734	168.29146	16.07189	0.1806526	0.22744710	2.6579641	21	2 4.6	20.8
180932 2005 LG_{31}	16.0	X	267.27470	277.91018	73.50628	7.32031	0.2711689	0.24177289	2.5519039	21	4 28.9	20.0
180933 2005 LR_{32}	17.1	X	259.55143	49.43030	156.44295	3.54367	0.0871295	0.28365059	2.2941066	21	—	—
180934 2005 LE_{33}	17.3	X	291.08794	199.71412	86.11829	5.33945	0.1673137	0.29994035	2.2102740	21	3 6.2	20.3
180935 2005 LP_{38}	17.2	X	251.34422	22.96262	195.52419	5.20441	0.1342855	0.28395392	2.2924725	21	—	—
180936 2005 LM_{40}	17.1	X	203.61948	32.12848	202.16835	1.85298	0.1348136	0.27364703	2.3496809	21	—	—
180937 2005 LM_{41}	16.5	X	125.72339	58.19076	100.48479	3.46017	0.0492207	0.24610425	2.5218735	21	7 13.3	19.9
180938 2005 LH_{45}	17.9	X	328.28294	99.16617	164.77263	6.63718	0.1510591	0.30266113	2.1970079	21	3 27.1	19.9
180939 2005 LE_{51}	15.7	X	161.60841	183.72425	119.08821	7.17030	0.2274683	0.21188399	2.7865743	21	—	—
180940 2005 ML_{2}	16.9	X	142.62929	183.30174	112.49332	3.90224	0.1739218	0.27440774	2.3453364	21	—	—
180941 2005 MX_{2}	16.1	X	51.71819	48.37167	262.67323	3.52985	0.1969822	0.25598328	2.4565653	21	11 23.3	19.2
180942 2005 MB_{3}	16.4	X	103.70699	218.41171	85.05303	3.33358	0.2256330	0.26378720	2.4078729	21	—	—
180943 2005 ML_{4}	16.8	X	294.78336	218.07489	69.62266	0.62382	0.1304887	0.23836736	2.5761523	21	3 24.1	20.3
180944 2005 MH_{8}	16.9	X	142.34852	3.79929	295.96246	3.99772	0.1474348	0.27086552	2.3657394	21	—	—
180945 2005 MR_{10}	16.9	X	308.52745	302.35812	159.28448	3.87407	0.1121090	0.27394004	2.3480051	21	12 29.8	19.2
180946 2005 MH_{12}	16.2	X	59.80871	306.37354	342.98519	4.61496	0.1821497	0.25561159	2.4589462	21	11 1.2	19.6
180947 2005 MQ_{13}	16.9	X	119.55832	342.55843	322.78922	1.84638	0.2076267	0.26874375	2.3781750	21	—	—
180948 2005 MT_{15}	16.5	X	287.80286	120.45757	117.13183	2.53394	0.0498461	0.22493254	2.6777366	21	1 23.7	20.2
180949 2005 MA_{17}	16.2	X	342.46476	294.89810	287.79341	7.11415	0.0265909	0.23029515	2.6360048	21	3 14.8	19.8
180950 2005 MT_{17}	16.3	X	172.11428	15.39620	297.27298	4.70692	0.0468952	0.21563504	2.7541642	21	—	—
180951 2005 MZ_{21}	17.0	X	155.69294	311.92515	310.51597	1.63222	0.1750855	0.26844415	2.3799441	21	12 31.4	20.9
180952 2005 ML_{22}	17.1	X	257.16640	82.41090	122.97570	7.14374	0.1811619	0.27748963	2.3279387	21	—	—
180953 2005 MR_{22}	16.4	X	167.49571	207.08995	126.81954	3.70264	0.1112199	0.21746409	2.7386993	21	1 12.9	20.5
180954 2005 MU_{22}	16.9	X	18.26173	307.53018	305.82435	1.69896	0.1354603	0.24299506	2.5433400	21	6 26.4	19.2
180955 2005 MU_{29}	16.2	X	267.06478	140.31168	153.21114	9.76678	0.0665361	0.22854627	2.6494351	21	3 8.7	19.8
180956 2005 MV_{31}	16.8	X	140.02102	247.36389	54.12344	2.24020	0.1902295	0.27079320	2.3661605	21	—	—
180957 2005 MB_{32}	16.0	X	45.88368	284.21546	18.12793	2.46541	0.1801483	0.25470096	2.4648037	21	11 1.6	19.1
180958 2005 MO_{33}	16.9	X	219.12359	18.01576	176.38341	2.22430	0.1616416	0.27006742	2.3703979	21	12 11.3	20.2
180959 2005 MJ_{34}	15.1	X	244.44173	249.20765	131.25787	15.30838	0.2358916	0.17327636	3.1864700	21	5 23.1	20.6
180960 2005 MX_{34}	15.8	X	82.56219	211.02525	128.59327	13.83561	0.1133907	0.20281145	2.8690695	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
180961 2005 MJ_{35}	17.1	X	123.92042	182.11143	79.12951	0.03580	0.1929202	0.26361366	2.4089296	21	12 2.1	20.8
180962 2005 MW_{35}	16.3	X	64.60416	305.45546	5.94615	1.16149	0.1814575	0.25906001	2.4370763	21	12 6.9	19.7
180963 2005 MK_{36}	16.5	X	91.79625	36.55359	85.47304	2.60070	0.0371517	0.23151360	2.6267478	21	4 8.6	19.8
180964 2005 MS_{36}	15.8	X	176.79024	3.35979	306.87644	8.15322	0.1530824	0.21631644	2.7483773	21	—	—
180965 2005 MB_{37}	16.5	X	74.69924	153.87079	187.89764	1.79047	0.0759602	0.20310933	2.8662636	21	—	—
180966 2005 MH_{37}	16.3	X	132.62117	118.86243	280.22574	4.61886	0.0998296	0.22168908	2.7037914	21	2 19.8	20.1
180967 2005 MJ_{37}	16.6	X	69.89260	131.59400	236.28183	1.16791	0.0818512	0.20611024	2.8383744	21	—	—
180968 2005 MX_{37}	16.2	X	176.88220	210.33675	139.08660	6.98876	0.0302510	0.22227063	2.6990732	21	2 3.4	20.0
180969 2005 MM_{39}	16.3	X	186.60748	153.34929	165.45857	5.85588	0.0601598	0.21869093	2.7284471	21	1 10.1	20.3
180970 2005 MN_{39}	16.0	X	133.19171	340.62199	341.62930	5.07654	0.0417875	0.20994799	2.8036787	21	—	—
180971 2005 MX_{39}	16.6	X	49.31757	114.10684	121.19598	11.13682	0.1821130	0.24565146	2.5249715	21	8 4.5	19.3
180972 2005 MB_{42}	16.9	X	86.14616	72.38427	213.49105	3.86629	0.1808210	0.25936172	2.4351860	21	11 27.5	20.6
180973 2005 MS_{46}	16.8	X	4.41897	106.83187	158.06864	5.70720	0.2083063	0.24322664	2.5417254	21	6 16.1	18.8
180974 2005 MB_{47}	15.5	X	262.14340	261.46759	111.87067	8.62235	0.2359008	0.17623918	3.1506566	21	5 27.9	20.5
180975 2005 MM_{48}	15.5	X	290.08307	229.12044	165.31781	10.03836	0.1224422	0.18491621	3.0513081	21	8 9.3	19.6
180976 2005 MU_{49}	16.7	X	221.94293	53.32418	285.69058	1.88805	0.0759357	0.22882541	2.6472800	21	3 12.5	20.6
180977 2005 NB_{1}	16.2	X	141.57696	151.77219	176.45593	8.09590	0.2209914	0.21270451	2.7794034	21	—	—
180978 2005 NZ_{5}	16.2	X	195.79927	197.62079	151.53152	2.34990	0.2045244	0.22995179	2.6386281	21	3 1.1	20.6
180979 2005 NW_{7}	16.1	X	308.98216	156.52365	244.99314	3.43298	0.1581157	0.18841502	3.0134156	21	9 11.8	19.8
180980 2005 NQ_{8}	15.9	X	275.74473	191.37336	148.07517	9.40433	0.0783653	0.17516954	3.1634696	21	5 21.7	20.5
180981 2005 NN_{9}	16.7	X	230.28786	187.75545	168.14933	3.30330	0.0524122	0.23220884	2.6215021	21	4 15.2	20.5
180982 2005 NU_{11}	16.5	X	109.66648	233.55074	116.76484	2.76029	0.0857772	0.21135856	2.7911905	21	—	—
180983 2005 NU_{12}	16.2	X	189.45224	142.48210	235.19867	1.79306	0.0750472	0.23002684	2.6380541	21	3 25.9	20.2
180984 2005 NX_{12}	15.6	X	323.34759	194.27787	296.88483	12.55249	0.0915502	0.21151335	2.7898287	21	—	—
180985 2005 NC_{13}	16.5	X	71.30725	108.64117	193.92218	1.95593	0.2172210	0.25943966	2.4346982	21	12 7.1	20.1
180986 2005 NK_{14}	16.0	X	177.45704	119.42721	164.90963	5.13600	0.1440152	0.20938234	2.8087259	21	—	—
180987 2005 NU_{15}	16.0	X	169.16017	14.16284	307.05277	4.87478	0.0357397	0.21748521	2.7385220	21	—	—
180988 2005 NY_{15}	16.4	X	197.40109	328.91436	320.82151	4.24308	0.0988503	0.21741328	2.7391259	21	—	—
180989 2005 NO_{16}	17.2	X	186.05174	162.14580	65.54530	3.23628	0.0766688	0.26783250	2.3835661	21	12 25.5	20.3
180990 2005 NL_{17}	16.5	X	358.81893	49.82622	129.77766	2.72996	0.0285231	0.22543657	2.6737439	21	2 13.8	20.0
180991 2005 NP_{19}	16.4	X	40.32771	124.27817	257.21901	0.95842	0.0764717	0.20338795	2.8636454	21	—	—
180992 2005 NF_{20}	15.7	X	20.34797	222.88994	116.53659	8.54606	0.2485085	0.25570242	2.4583638	21	11 28.8	18.5
180993 2005 NQ_{20}	16.2	X	32.66459	319.35815	334.26464	4.66089	0.2204973	0.25394190	2.4697129	21	10 5.9	18.8
180994 2005 NT_{21}	16.5	X	154.50943	66.33742	237.25569	3.41015	0.0561077	0.21120379	2.7925540	21	—	—
180995 2005 NG_{22}	16.9	X	213.61766	138.35410	157.97946	5.28799	0.1442118	0.22016076	2.7162898	21	1 12.7	21.3
180996 2005 NT_{23}	16.0	X	93.09299	132.07556	200.68173	6.25491	0.0650619	0.20500719	2.8485466	21	—	—
180997 2005 NW_{29}	16.6	X	245.12859	117.82395	123.20753	4.86106	0.0866635	0.21791180	2.7349468	21	—	—
180998 2005 NF_{36}	15.5	X	266.44300	246.66742	137.25960	20.61759	0.1862029	0.17862835	3.1225001	21	6 20.9	20.5
180999 2005 NE_{39}	16.5	X	334.15267	269.27077	13.74585	3.71858	0.1524026	0.24089769	2.5580810	21	5 11.3	19.2
181000 2005 NH_{39}	16.8	X	205.83299	240.22809	27.46661	4.89850	0.1057313	0.27839649	2.3228806	21	—	—
181001 2005 ND_{40}	16.1	X	34.21489	136.66213	283.53598	3.26068	0.0586631	0.21129007	2.7917937	21	—	—
181002 2005 NG_{45}	16.8	X	262.10459	139.41636	101.12600	6.70583	0.0718596	0.28821123	2.2698411	21	—	—
181003 2005 NJ_{47}	16.9	X	123.78390	244.97470	57.12981	1.39431	0.2170154	0.26848976	2.3796745	21	—	—
181004 2005 NU_{47}	16.8	X	76.69841	224.15409	63.52640	3.00199	0.1747318	0.25869479	2.4393696	21	11 19.3	20.3
181005 2005 NX_{48}	15.6	X	55.40259	44.87354	329.61284	11.44966	0.1102244	0.20329242	2.8645425	21	—	—
181006 2005 ND_{54}	17.0	X	290.42125	100.21778	190.84338	2.57013	0.1012152	0.23297193	2.6157746	21	3 27.6	20.3
181007 2005 NG_{55}	15.3	X	263.50205	249.66113	144.16917	10.72611	0.1030547	0.18169588	3.0872561	21	7 8.4	19.8
181008 2005 NH_{57}	16.4	X	111.54851	116.69123	146.31486	6.43054	0.1826616	0.26117710	2.4238886	21	11 24.5	20.3
181009 2005 NE_{63}	16.6	X	154.28644	118.86270	190.25679	12.94067	0.2360443	0.27347025	2.3506934	21	—	—
181010 2005 NA_{64}	16.2	X	22.69081	340.25824	260.29776	6.29815	0.0826959	0.24143609	2.5542766	21	6 11.7	19.0
181011 2005 NM_{65}	16.5	X	152.24228	168.58781	158.67724	4.59599	0.1016939	0.21351408	2.7723733	21	—	—
181012 2005 NE_{67}	16.4	X	121.47058	56.97453	207.70472	1.26246	0.0107374	0.19928748	2.9027928	21	11 16.1	20.4
181013 2005 NU_{73}	16.4	X	45.04629	226.69051	132.04513	3.02069	0.0810177	0.20157898	2.8807521	21	12 18.8	20.3
181014 2005 ND_{74}	16.7	X	336.48595	326.54288	240.63416	1.14844	0.1386491	0.22943436	2.6425938	21	2 2.6	20.0
181015 2005 NU_{77}	16.3	X	134.89725	75.21962	276.76798	6.22163	0.0991460	0.21480573	2.7612484	21	—	—
181016 2005 ND_{78}	16.5	X	103.04198	80.69316	310.32678	2.93947	0.1062015	0.21457957	2.7631883	21	1 8.0	19.9
181017 2005 NK_{78}	16.9	X	241.74039	352.83458	310.29791	1.62702	0.0899713	0.22593692	2.6697950	21	2 17.6	20.8
181018 2005 NU_{80}	15.4	X	303.82543	214.73547	192.06748	12.49544	0.2081826	0.18923358	3.0047194	21	9 2.2	19.2
181019 2005 NY_{84}	15.3	X	316.87644	248.70441	97.70873	6.26689	0.1546234	0.17956713	3.1116075	21	7 13.9	19.2
181020 2005 NW_{86}	16.3	X	128.46742	33.04999	259.33834	0.89823	0.0546680	0.20529903	2.8458464	21	12 30.8	20.6
181021 2005 NQ_{97}	16.3	X	102.68990	57.84268	282.93836	4.46570	0.0607804	0.20909150	2.8113298	21	—	—
181022 2005 ND_{101}	16.6	X	164.66649	76.94085	181.68174	6.72327	0.1110625	0.26834857	2.3805092	21	—	—
181023 2005 NW_{107}	17.4	X	294.82050	109.87769	181.41602	1.07683	0.0826227	0.23512504	2.5997811	21	4 5.3	20.9
181024 2005 NM_{115}	16.5	X	128.28596	296.55139	129.71416	1.98583	0.1358536	0.22699883	2.6614622	21	3 27.6	20.2
181025 2005 OU_{3}	16.7	X	186.56196	246.24573	21.66468	7.00888	0.1950214	0.27484097	2.3428711	21	—	—
181026 2005 OX_{3}	16.4	X	193.81633	153.75991	191.58035	6.10683	0.0445637	0.22363410	2.6880914	21	2 17.1	20.2
181027 2005 OR_{6}	15.4	X	269.27971	264.98823	99.10850	6.09952	0.2289845	0.17404575	3.1770723	21	5 23.9	20.3
181028 2005 OW_{9}	16.9	X	118.92277	175.37260	88.38010	3.60112	0.2087618	0.26156944	2.4214642	21	12 1.5	21.0
181029 2005 OX_{9}	16.4	X	86.81364	299.87550	20.93042	2.90987	0.1893729	0.26274427	2.4142406	21	—	—
181030 2005 OP_{11}	16.6	X	41.96170	234.39928	106.82739	3.49492	0.2242554	0.25677391	2.4515200	21	12 24.7	19.8
181031 2005 OX_{11}	15.3	X	266.55530	69.99339	319.14419	10.97596	0.2154937	0.17718546	3.1394290	21	6 22.2	20.2
181032 2005 OO_{12}	15.2	X	293.35393	320.02852	132.56516	11.07469	0.0780684	0.19301102	2.9653865	21	11 10.0	19.2
181033 2005 OX_{12}	16.3	X	151.54257	223.56355	57.37443	3.20867	0.1656069	0.26751871	2.3854296	21	—	—
181034 2005 OM_{19}	16.4	X	138.77068	312.44765	349.96330	1.58937	0.0415276	0.20645807	2.8351855	21	—	—
181035 2005 OO_{20}	16.5	X	167.97648	354.16432	9.06215	3.04700	0.1499085	0.21965082	2.7204922	21	2 21.2	20.7
181036 2005 OV_{20}	16.1	X	351.85907	355.91343	342.37924	9.00378	0.0465994	0.18603364	3.0390772	21	9 4.6	19.9
181037 2005 OE_{22}	15.7	X	170.61141	263.23886	351.84936	9.76309	0.1089145	0.20448619	2.8533829	21	12 29.6	20.3
181038 2005 OZ_{22}	14.9	X	318.13764	188.30682	144.48956	14.35458	0.1794214	0.17939374	3.1136123	21	6 24.6	19.0
181039 2005 OH_{24}	15.8	X	276.25780	118.85038	258.91126	4.63315	0.0576830	0.17959906	3.1112388	21	7 10.3	20.1
181040 2005 OM_{25}	16.0	X	100.34630	200.33527	164.37257	5.67778	0.0575310	0.20910966	2.8111670	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
181041 2005 OB_{28}	16.6	X	234.15798	4.81892	290.50931	4.39913	0.1542829	0.22170261	2.7036814	21	1 29.3	20.9
181042 2005 OF_{29}	16.2	X	139.60585	195.69705	171.81046	14.48815	0.2209702	0.21550799	2.7552465	21	2 3.6	20.7
181043 Anan	15.0	X	316.28237	196.10460	160.34071	16.99881	0.2013928	0.17696849	3.1419945	21	7 18.4	19.0
181044 2005 PE_{1}	15.8	X	161.80615	3.58894	345.73223	8.57863	0.0768272	0.21744820	2.7388327	21	1 24.5	19.9
181045 2005 PU_{1}	15.2	X	312.75657	267.95120	127.75357	10.76713	0.1016241	0.18708493	3.0276814	21	9 22.5	19.1
181046 2005 PU_{2}	16.5	X	137.91499	208.74810	52.77745	1.81230	0.1678326	0.26476033	2.4019693	21	12 14.2	20.2
181047 2005 PJ_{3}	16.3	X	65.25087	237.11754	137.76698	5.79309	0.1947857	0.26523194	2.3991211	21	—	—
181048 2005 PS_{3}	14.8	X	260.85777	248.14581	89.52824	15.31500	0.2283494	0.17244070	3.1967563	21	4 20.4	20.1
181049 2005 PH_{4}	15.7	X	136.25606	265.50640	359.01045	13.88068	0.1856167	0.26440115	2.4041441	21	12 15.3	19.9
181050 2005 PB_{5}	16.3	X	64.40235	240.11819	54.33221	5.99364	0.1787953	0.25633329	2.4543286	21	11 14.7	19.6
181051 2005 PC_{5}	16.2	X	220.15090	160.95953	142.02658	4.86114	0.2034174	0.22162936	2.7042771	21	1 25.9	20.9
181052 2005 PO_{8}	16.6	X	155.73354	166.92184	73.58267	3.49903	0.1523761	0.26367348	2.4085652	21	12 4.7	20.2
181053 2005 PH_{9}	16.7	X	344.70993	149.47034	141.51872	3.48507	0.1646639	0.24126586	2.5554779	21	6 13.8	19.2
181054 2005 PZ_{11}	15.8	X	334.38962	265.39834	125.04921	4.32629	0.0812794	0.19085848	2.9876410	21	10 19.3	19.5
181055 2005 PA_{14}	15.4	X	48.97120	229.99411	105.46033	3.06069	0.0839337	0.19535324	2.9416363	21	11 24.7	19.3
181056 2005 PX_{17}	15.9	X	138.27025	296.60368	154.21122	22.03454	0.0298382	0.23157154	2.6263096	21	5 2.4	19.9
181057 2005 PT_{18}	14.9	X	348.38485	17.17699	308.43760	13.63084	0.2830354	0.18133419	3.0913600	21	8 7.1	17.3
181058 2005 PQ_{19}	16.4	X	99.86751	152.10652	161.00796	9.26676	0.2486498	0.26460518	2.4029080	21	—	—
181059 2005 QJ_{1}	16.6	X	213.74115	69.57067	235.42417	2.81927	0.1200554	0.22033668	2.7148438	21	1 22.7	20.9
181060 2005 QX_{1}	16.5	X	78.46429	328.20691	302.79676	6.26974	0.1450052	0.25420941	2.4679800	21	10 23.7	20.0
181061 2005 QF_{2}	15.5	X	293.68334	168.87210	182.68119	7.44971	0.1124549	0.17921116	3.1157267	21	6 21.7	19.8
181062 2005 QG_{2}	16.6	X	198.46626	70.52836	164.50839	11.13027	0.1963564	0.27142380	2.3624943	21	—	—
181063 2005 QP_{4}	15.3	X	299.04491	194.19768	159.89843	16.13743	0.0918187	0.17706856	3.1408105	21	7 5.3	19.8
181064 2005 QT_{4}	15.2	X	250.60734	173.36774	163.67096	31.99775	0.0952048	0.22849233	2.6498521	21	4 14.3	19.5
181065 2005 QY_{5}	15.4	X	299.49734	1.22360	331.90806	5.08161	0.1307343	0.17553722	3.1590505	21	6 2.4	19.7
181066 2005 QC_{6}	15.0	X	298.90336	171.49872	163.80017	12.90922	0.1534891	0.17566066	3.1575704	21	6 3.8	19.5
181067 2005 QG_{9}	15.1	X	223.11225	322.89940	39.57957	2.19064	0.1614214	0.16487331	3.2938398	21	4 14.7	20.5
181068 2005 QA_{12}	15.5	X	303.30240	204.48315	193.88915	9.76305	0.0814425	0.18635310	3.0356030	21	9 7.9	19.5
181069 2005 QF_{15}	15.0	X	310.06201	6.24267	334.56170	14.62698	0.1552923	0.17815732	3.1280014	21	6 26.8	19.2
181070 2005 QG_{15}	17.0	X	132.20902	83.68979	191.07891	1.75375	0.1956057	0.26372364	2.4082598	21	12 25.2	20.9
181071 2005 QH_{19}	15.6	X	300.95552	150.09123	167.89626	5.57999	0.1325721	0.17415778	3.1757097	21	5 17.9	19.9
181072 2005 QJ_{19}	15.6	X	10.37398	153.20235	163.41503	6.74664	0.0547243	0.18464029	3.0543472	21	9 2.9	19.7
181073 2005 QQ_{19}	16.0	X	77.44451	331.32103	315.01279	0.74570	0.1385393	0.19331650	2.9622617	21	11 4.7	20.2
181074 2005 QQ_{20}	15.6	X	71.03495	255.73457	100.02037	3.24198	0.0546054	0.20021317	2.8938385	21	—	—
181075 2005 QT_{20}	16.0	X	181.66125	191.72257	140.43948	7.12494	0.0768910	0.21544899	2.7557495	21	1 22.9	20.1
181076 2005 QG_{23}	15.8	X	284.73058	306.51833	1.79763	12.87602	0.1847846	0.23052353	2.6342635	21	3 30.5	19.6
181077 2005 QB_{26}	15.6	X	216.99520	114.46217	14.13289	10.53562	0.1279725	0.18154611	3.0889538	21	9 13.5	20.4
181078 2005 QH_{26}	16.2	X	22.97493	327.41387	83.22676	3.28381	0.0630941	0.19871287	2.9083860	21	—	—
181079 2005 QO_{27}	15.6	X	306.51218	37.39731	27.86715	9.83279	0.0358936	0.18806547	3.0171484	21	10 23.6	19.4
181080 2005 QP_{31}	15.6	X	31.47226	350.51632	327.48593	11.34804	0.2647508	0.25408586	2.4687800	21	11 12.1	18.8
181081 2005 QM_{36}	15.4	X	310.47987	157.82229	163.50284	9.10520	0.2328432	0.17514584	3.1637550	21	5 21.1	19.6
181082 2005 QC_{37}	15.2	X	345.87020	151.93413	187.07246	11.02192	0.1389238	0.18192036	3.0847159	21	8 23.5	19.0
181083 2005 QY_{37}	16.3	X	170.14761	86.29336	239.80716	2.19602	0.1910067	0.21244690	2.7816498	21	1 12.9	20.8
181084 2005 QN_{38}	15.7	X	216.05426	150.51178	151.30434	9.92343	0.1270573	0.21909661	2.7250780	21	1 21.2	20.1
181085 2005 QF_{42}	15.5	X	20.11712	127.23987	184.67167	0.55513	0.2266861	0.18621605	3.0370922	21	10 1.3	18.8
181086 2005 QL_{46}	15.1	X	146.55888	342.47000	156.40758	15.64123	0.1272135	0.17376207	3.1805292	21	7 15.9	20.3
181087 2005 QW_{47}	15.5	X	312.22842	240.18892	139.29483	8.81246	0.1566235	0.18176853	3.0864335	21	8 20.3	19.2
181088 2005 QB_{50}	15.2	X	270.63444	257.18364	112.13235	6.43719	0.2014221	0.17304030	3.1893674	21	6 3.9	20.1
181089 2005 QV_{51}	15.4	X	300.43324	217.81408	175.59814	10.20530	0.0788420	0.18378305	3.0638377	21	8 29.0	19.5
181090 2005 QB_{52}	16.5	X	168.25352	149.47307	195.58487	2.97005	0.0954112	0.21642356	2.7474704	21	1 25.2	20.7
181091 2005 QW_{53}	16.9	X	121.10361	243.74815	12.48664	1.30706	0.1638494	0.25872716	2.4391661	21	11 21.8	20.9
181092 2005 QN_{55}	16.0	X	270.67394	301.88124	346.22158	13.95046	0.1388216	0.22643131	2.6659074	21	2 26.8	19.9
181093 2005 QB_{56}	15.5	X	88.84516	303.98700	37.75346	2.89044	0.0546940	0.19991305	2.8967340	21	—	—
181094 2005 QF_{56}	15.3	X	12.97301	197.09395	148.77762	9.57639	0.1073354	0.18965337	3.0002838	21	10 23.8	19.1
181095 2005 QE_{59}	15.6	X	33.93262	283.17011	107.12657	2.81376	0.0410154	0.19861695	2.9093224	21	—	—
181096 2005 QC_{61}	15.8	X	297.87155	157.70624	286.31856	4.97526	0.0333397	0.19319057	2.9635490	21	11 4.2	19.8
181097 2005 QG_{64}	16.1	X	120.45271	209.88588	109.59204	3.18671	0.0656745	0.20360017	2.8616552	21	—	—
181098 2005 QW_{64}	15.0	X	278.66255	4.65942	357.00888	12.40002	0.1664306	0.17498233	3.1657255	21	6 5.2	19.7
181099 2005 QC_{66}	15.5	X	265.68706	47.37785	312.70258	4.93488	0.1959900	0.17312207	3.1883630	21	5 16.7	20.4
181100 2005 QV_{69}	16.1	X	122.58962	166.70600	127.07008	1.96392	0.1741380	0.26523883	2.3990796	21	—	—
181101 2005 QA_{70}	17.1	X	200.03752	259.14886	18.49144	2.57211	0.1909233	0.27626348	2.3348217	21	—	—
181102 2005 QB_{71}	14.9	X	307.55028	186.40563	176.43448	9.76533	0.1039893	0.17770429	3.1333154	21	7 26.0	19.1
181103 2005 QQ_{71}	15.8	X	19.55294	340.40490	338.97016	4.03162	0.1683538	0.18609743	3.0383827	21	10 1.2	19.4
181104 2005 QD_{72}	16.8	X	122.63067	99.26407	205.17841	2.00929	0.1905537	0.26533981	2.3984708	21	—	—
181105 2005 QO_{72}	15.7	X	120.47727	10.50518	316.78149	5.45457	0.0655698	0.20302060	2.8670987	21	—	—
181106 2005 QW_{73}	15.5	X	31.32184	26.00879	342.85794	11.46901	0.0851736	0.19319932	2.9634594	21	12 11.4	19.7
181107 2005 QN_{76}	15.9	X	305.14939	260.19529	153.45666	10.47491	0.0899951	0.18900813	3.0071082	21	10 4.7	19.8
181108 2005 QS_{76}	15.4	X	262.62207	58.48508	344.55372	9.14810	0.1046876	0.17885171	3.1198998	21	7 21.5	20.0
181109 2005 QZ_{80}	16.0	X	193.61976	291.08597	3.73492	7.05162	0.2913907	0.21673202	2.7448630	21	—	—
181110 2005 QO_{85}	16.3	X	261.76871	116.41013	168.94973	13.74570	0.1112226	0.22312411	2.6921859	21	2 14.3	20.5
181111 2005 QJ_{88}	15.7	X	13.08207	302.65538	30.34984	8.27056	0.2408403	0.25299113	2.4758967	21	11 1.9	18.1
181112 2005 QL_{91}	15.1	X	4.29109	206.46642	340.79530	25.36187	0.1030427	0.22512358	2.6762215	21	2 26.8	18.0
181113 2005 QS_{92}	16.0	X	163.83534	315.92157	24.35036	5.68742	0.0681380	0.21436875	2.7649996	21	1 14.5	20.1
181114 2005 QK_{93}	16.0	X	189.61867	181.20229	83.50032	3.28294	0.0514849	0.20632352	2.8364179	21	—	—
181115 2005 QF_{94}	16.1	X	188.21021	166.89593	153.32481	6.77627	0.1180309	0.21779524	2.7359225	21	1 16.9	20.3
181116 2005 QN_{95}	16.3	X	11.04128	356.65926	135.98333	5.75433	0.0158671	0.21528042	2.7571879	21	1 3.9	20.1
181117 2005 QH_{98}	15.1	X	309.95367	11.82634	351.15265	16.49403	0.2155133	0.18063128	3.0993747	21	7 21.1	19.1
181118 2005 QM_{98}	16.0	X	29.37701	353.00360	355.85938	10.30081	0.1171791	0.19308102	2.9646698	21	11 15.7	20.0
181119 2005 QO_{106}	14.9	X	243.47788	14.19422	4.93630	14.06783	0.1548646	0.17131302	3.2107695	21	5 19.0	20.1
181120 2005 QM_{109}	15.9	X	267.20641	190.70026	196.61875	4.30629	0.1028776	0.17583726	3.1554558	21	7 4.5	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
181121 2005 QD_{110}	15.8	X	65.61555	103.37282	182.25020	8.93375	0.1131608	0.18896892	3.0075242	21	10 18.7	20.0
181122 2005 QV_{111}	15.8	X	218.97501	146.48068	166.94048	14.10199	0.1057615	0.21931049	2.7233061	21	2 6.0	20.1
181123 2005 QX_{111}	16.3	X	139.12494	57.18975	307.69032	2.67737	0.1070317	0.21258692	2.7804282	21	1 20.5	20.2
181124 2005 QN_{112}	15.6	X	261.14291	274.45739	169.96542	8.77484	0.0381916	0.18436734	3.0573610	21	9 18.4	19.8
181125 2005 QY_{114}	15.5	X	237.82760	281.36282	200.43103	6.00946	0.0500519	0.18548873	3.0450262	21	10 4.0	19.7
181126 2005 QN_{115}	16.6	X	117.78934	132.60724	181.79160	5.33434	0.2518127	0.26498075	2.4006370	21	—	—
181127 2005 QZ_{124}	15.9	X	333.67921	169.16878	355.79942	5.07217	0.0120162	0.21301092	2.7767374	21	—	—
181128 2005 QA_{127}	16.0	X	257.46274	152.00706	251.12504	0.09101	0.1859852	0.17601561	3.1533240	21	7 2.8	20.8
181129 2005 QN_{135}	16.0	X	328.48537	49.52146	160.32745	5.32418	0.0985085	0.21942462	2.7223616	21	2 2.5	19.6
181130 2005 QM_{137}	16.3	X	332.95047	150.13117	137.13702	3.10181	0.0278568	0.17104412	3.2141338	21	6 4.3	20.8
181131 2005 QC_{139}	16.0	X	135.63360	219.28596	24.22712	3.04706	0.1212296	0.19386637	2.9566578	21	11 10.1	20.7
181132 2005 QW_{140}	15.7	X	106.05064	113.97265	161.15846	6.00753	0.1014346	0.19607841	2.9343789	21	11 19.7	20.2
181133 2005 QH_{142}	14.8	X	209.41441	216.42968	204.53230	7.60196	0.0831320	0.16924129	3.2369189	21	6 14.3	19.9
181134 2005 QO_{149}	15.6	X	217.74821	209.36471	66.04118	9.85096	0.1169240	0.21582650	2.7525352	21	—	—
181135 2005 QW_{150}	16.4	X	319.81843	113.45731	168.89586	5.17932	0.1922553	0.23250697	2.6192607	21	4 12.7	19.5
181136 Losonczrita	15.7	X	286.73965	225.99572	182.14118	10.94732	0.1347669	0.18630963	3.0360751	21	8 19.9	19.9
181137 2005 QX_{155}	15.8	X	219.07588	17.13758	295.56666	8.72863	0.2411346	0.22017926	2.7161376	21	2 4.1	20.7
181138 2005 QZ_{156}	14.8	X	43.34257	12.42685	290.19502	12.39625	0.1246056	0.18746460	3.0235921	21	10 4.3	19.0
181139 2005 QZ_{157}	16.0	X	214.97666	197.55754	88.65037	4.05696	0.0449910	0.21283059	2.7783056	21	1 3.1	20.0
181140 2005 QW_{165}	15.2	X	337.61816	257.69360	95.77883	5.30925	0.0854921	0.17987598	3.1080448	21	9 4.5	19.1
181141 2005 QN_{171}	15.1	X	333.18299	32.80027	315.91921	7.43403	0.1174206	0.18027127	3.1034997	21	8 17.1	18.7
181142 2005 QF_{174}	16.0	X	54.67981	243.18698	190.39739	8.04136	0.0400975	0.21052987	2.7985102	21	—	—
181143 2005 QM_{174}	14.6	X	77.93929	92.02846	333.17697	9.14644	0.0681765	0.15008861	3.5067454	21	1 27.4	19.4
181144 2005 QJ_{177}	15.9	X	179.95288	208.19923	63.40484	3.03076	0.0246577	0.20315547	2.8658297	21	—	—
181145 2005 QC_{178}	15.8	X	62.47128	317.04224	354.23265	10.41654	0.0661855	0.19204973	2.9752736	21	11 4.2	20.1
181146 2005 QY_{178}	16.3	X	272.00266	290.08942	323.68011	1.37284	0.0912926	0.21756559	2.7378475	21	1 22.2	20.3
181147 2005 RF_{3}	15.2	X	15.69319	116.04461	178.14208	10.20024	0.0669195	0.18140673	3.0905359	21	8 10.8	19.3
181148 2005 RL_{3}	15.5	X	20.60250	150.74575	191.11037	9.87295	0.0645540	0.19378848	2.9574501	21	10 23.5	19.3
181149 2005 RV_{6}	15.6	X	81.22888	191.97946	178.33839	20.07481	0.1866548	0.20355756	2.8620545	21	—	—
181150 2005 RD_{7}	14.7	X	213.45960	276.54219	183.68252	18.78452	0.1115430	0.17717643	3.1395356	21	8 1.1	19.9
181151 2005 RG_{8}	15.5	X	3.62665	312.85759	9.33385	0.67683	0.1623349	0.18173443	3.0868195	21	9 6.1	18.8
181152 2005 RE_{15}	16.0	X	220.81806	319.72440	152.42883	1.93605	0.0929635	0.18190084	3.0849367	21	8 28.7	20.6
181153 2005 RL_{22}	14.6	X	24.54654	70.80898	227.64948	9.41225	0.0177752	0.18004620	3.1060855	21	8 22.9	19.1
181154 2005 RX_{22}	15.8	X	57.62566	315.58362	59.76540	2.75155	0.0910922	0.20034905	2.8925299	21	—	—
181155 2005 RC_{24}	15.7	X	186.49760	157.09777	352.46952	4.94864	0.0810263	0.18434242	3.0576365	21	9 8.4	20.3
181156 2005 RS_{31}	14.8	X	42.44128	39.94314	272.69336	17.65983	0.1783742	0.18786062	3.0193413	21	10 25.3	19.1
181157 2005 RE_{33}	14.9	X	305.99499	186.29126	148.24733	22.88825	0.1189514	0.17314117	3.1881286	21	6 19.1	19.5
181158 2005 RN_{41}	15.6	X	303.98855	71.46481	14.87767	10.72103	0.0637490	0.19176515	2.9782165	21	11 11.3	19.7
181159 2005 RK_{47}	16.2	X	145.20006	71.33810	131.23581	1.25849	0.1075918	0.18567774	3.0429594	21	10 1.3	21.0
181160 2005 SZ_{2}	15.3	X	309.02448	161.70339	182.47847	9.15361	0.0957027	0.17468068	3.1693689	21	7 5.5	19.6
181161 2005 SQ_{3}	15.9	X	153.61307	266.28615	81.03522	3.13983	0.1152893	0.20885679	2.8134356	21	1 16.9	19.9
181162 2005 SK_{11}	15.5	X	1.18569	212.10882	55.17444	2.01370	0.1030145	0.17114064	3.2129252	21	6 15.8	19.3
181163 2005 SP_{13}	15.5	X	353.48247	191.78247	189.16135	10.35244	0.1060555	0.18740276	3.0242572	21	11 5.4	19.2
181164 2005 SQ_{16}	15.5	X	20.55927	21.87763	208.68003	4.43857	0.0699542	0.16782258	3.2551358	21	5 28.8	19.6
181165 2005 SD_{22}	15.1	X	259.13760	241.96595	22.87958	14.40892	0.1153934	0.21691427	2.7433253	21	1 24.5	19.6
181166 2005 SZ_{24}	16.1	X	237.04419	263.23249	51.33648	8.13145	0.2629283	0.22290433	2.6939553	21	2 23.5	21.0
181167 2005 SF_{31}	15.7	X	177.35234	115.29617	205.61086	7.77024	0.1526258	0.21346999	2.7727550	21	1 9.6	20.2
181168 2005 SL_{43}	15.7	X	350.07915	356.13983	332.97431	3.36617	0.1277974	0.17871123	3.1215346	21	8 20.2	19.3
181169 2005 SB_{53}	15.9	X	7.12489	345.42092	330.21014	4.87273	0.1433759	0.18054286	3.1003865	21	9 1.5	19.5
181170 2005 SS_{59}	16.1	X	103.07092	133.32646	186.16221	2.23004	0.0925670	0.19667377	2.9284541	21	—	—
181171 2005 SL_{60}	15.9	X	186.68447	33.26860	218.08126	1.31622	0.0506280	0.20140999	2.8823633	21	—	—
181172 2005 SQ_{66}	14.5	X	231.04066	216.35713	193.54691	21.65200	0.0680398	0.17113399	3.2130085	21	6 23.9	19.7
181173 2005 SY_{66}	16.0	X	326.02597	271.01731	22.61858	1.86342	0.1189972	0.17087281	3.2162817	21	5 23.2	20.1
181174 2005 SV_{70}	15.3	X	185.28791	69.55438	45.40331	9.96479	0.0300151	0.17411647	3.1762120	21	7 29.5	20.0
181175 2005 SY_{71}	15.2	X	134.23875	55.67316	1.44926	10.76516	0.1053769	0.15566027	3.4225584	21	3 25.9	20.4
181176 2005 SN_{73}	15.0	X	257.59380	240.96450	167.62728	5.30053	0.1200767	0.17193625	3.2030060	21	7 17.2	19.7
181177 2005 SV_{73}	14.5	X	130.48952	96.70725	319.45199	12.89539	0.0600047	0.15388031	3.4489006	21	3 11.8	19.7
181178 2005 SL_{77}	16.1	X	240.10290	24.47291	152.76105	2.51226	0.0702154	0.19579961	2.9371638	21	12 13.1	20.1
181179 2005 SV_{77}	16.5	X	204.77979	113.07094	163.50685	3.70394	0.1524428	0.20984632	2.8045842	21	—	—
181180 2005 ST_{81}	15.5	X	246.98636	83.95106	10.23399	8.67200	0.0635157	0.18127864	3.0919915	21	9 10.9	19.9
181181 2005 SZ_{85}	14.8	X	31.50845	87.30749	182.32981	9.70173	0.0512994	0.17562790	3.1579630	21	7 30.9	19.2
181182 2005 SF_{87}	16.2	X	73.05339	228.83539	159.12316	2.28306	0.0694122	0.20252317	2.8717915	21	—	—
181183 2005 SG_{92}	15.7	X	133.81065	40.59858	207.49634	5.09166	0.0963243	0.18914048	3.0057052	21	11 13.3	20.2
181184 2005 SQ_{95}	15.7	X	32.41006	255.87927	20.66726	9.52885	0.0606010	0.17750357	3.1356770	21	8 17.7	20.0
181185 2005 SD_{104}	15.0	X	334.92663	150.71247	195.88308	17.82328	0.2132331	0.17936382	3.1139584	21	8 5.6	18.6
181186 2005 SW_{104}	14.8	X	251.73314	237.87347	195.51782	18.01889	0.1011482	0.17550310	3.1594599	21	8 9.7	19.7
181187 2005 SG_{105}	15.1	X	341.81152	213.30313	185.65866	9.73587	0.0457259	0.18595606	3.0399224	21	11 8.8	19.2
181188 2005 SL_{109}	16.1	X	203.01044	216.05327	4.69572	1.63324	0.0235319	0.19573879	2.9377722	21	12 27.9	20.2
181189 2005 SP_{114}	15.4	X	178.19577	78.44887	217.65287	5.23101	0.0413220	0.20579401	2.8412813	21	—	—
181190 2005 SU_{114}	15.3	X	9.18513	104.99557	202.20715	9.44838	0.0796843	0.17840370	3.1251208	21	8 17.8	19.4
181191 2005 SR_{120}	14.9	X	353.88616	313.69988	352.57385	12.52700	0.0364582	0.17556787	3.1586828	21	7 31.1	19.3
181192 2005 SM_{123}	15.9	X	213.51076	325.09502	336.29062	4.80642	0.0536217	0.21391134	2.7689398	21	1 20.6	19.9
181193 2005 ST_{123}	16.8	X	307.20392	243.12151	70.46396	4.86012	0.1905253	0.23407210	2.6075718	21	5 6.6	19.8
181194 2005 SV_{129}	15.8	X	336.62883	349.82562	36.77958	2.59608	0.0977452	0.18373339	3.0643897	21	10 14.6	19.4
181195 2005 SN_{132}	15.9	X	132.91406	275.11471	22.98316	5.47804	0.0434074	0.19580206	2.9371393	21	—	—
181196 2005 SF_{137}	16.1	X	70.40156	132.41234	165.08085	1.38353	0.0640244	0.18810196	3.0167583	21	10 31.3	20.4
181197 2005 SJ_{140}	16.5	X	216.65494	251.00410	47.61089	3.54546	0.0658672	0.21362014	2.7714555	21	1 20.6	20.6
181198 2005 SW_{141}	15.9	X	86.79768	209.48812	128.55415	2.88391	0.0957514	0.19749027	2.9203769	21	—	—
181199 2005 SP_{147}	16.1	X	260.31352	242.84118	42.96610	3.70278	0.1434922	0.21887563	2.7269119	21	2 14.3	20.4
181200 2005 SO_{155}	14.9	X	329.62920	288.04213	118.72702	16.64240	0.0468393	0.19082132	2.9880288	21	11 7.9	19.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
181201 2005 ST_{160}	15.7	X	81.43429	19.42366	188.46015	5.35194	0.2394756	0.23773410	2.5807250	21	8 17.8	19.4
181202 2005 SQ_{162}	16.1	X	149.50663	358.44209	320.55634	1.10797	0.0593396	0.20467198	2.8516559	21	—	—
181203 2005 SW_{166}	15.8	X	290.33946	158.92835	152.35640	12.47423	0.1864368	0.23027224	2.6361796	21	4 15.1	19.6
181204 2005 SU_{169}	15.6	X	300.18198	335.80398	244.16006	3.88097	0.0922628	0.21428267	2.7657400	21	1 12.4	19.5
181205 2005 SR_{171}	15.6	X	167.60075	162.88085	308.77462	3.64315	0.0418843	0.17081373	3.2170233	21	7 1.9	20.3
181206 2005 SG_{173}	16.1	X	100.86237	343.56446	249.93944	3.46139	0.0559818	0.18219952	3.0815642	21	9 14.6	20.5
181207 2005 SX_{173}	15.7	X	57.84452	207.91776	152.49205	2.45058	0.0852498	0.19804887	2.9148831	21	—	—
181208 2005 SA_{179}	16.0	X	146.21548	354.11370	341.47604	1.83749	0.0667425	0.20800971	2.8210686	21	—	—
181209 2005 SP_{184}	15.6	X	114.68326	241.56874	344.59590	3.93891	0.1123512	0.18261303	3.0769106	21	9 27.9	20.3
181210 2005 SR_{184}	15.9	X	119.14661	320.55030	6.70729	10.03876	0.0466233	0.20035495	2.8924731	21	—	—
181211 2005 SQ_{190}	15.6	X	106.00902	201.81113	126.69652	2.32199	0.1228761	0.19905056	2.9050957	21	—	—
181212 2005 SW_{190}	14.7	X	301.97203	272.21723	46.06940	5.39565	0.1340202	0.16994837	3.2279345	21	5 17.9	18.9
181213 2005 SW_{191}	15.8	X	258.06939	241.36529	26.23987	2.68497	0.1411049	0.21425933	2.7659408	21	1 21.5	20.1
181214 2005 SW_{197}	15.6	X	114.24985	277.54046	345.66504	10.14467	0.0135145	0.19271636	2.9684085	21	10 31.6	20.0
181215 2005 SM_{198}	15.7	X	266.90550	141.57298	323.14719	2.01057	0.0515528	0.18971546	2.9996292	21	10 18.7	19.8
181216 2005 SY_{252}	15.3	X	240.74347	347.98040	47.14704	7.50847	0.0992426	0.16989050	3.2286675	21	6 14.0	20.2
181217 2005 SA_{255}	16.5	X	220.36001	129.02395	166.07502	14.11945	0.2096042	0.21824404	2.7321704	21	1 16.4	21.3
181218 2005 SE_{255}	15.5	X	24.54108	143.07792	193.42687	8.64454	0.0438400	0.18861120	3.0113257	21	10 18.6	19.5
181219 2005 SE_{259}	15.3	X	3.57262	156.21982	156.42152	17.95780	0.2049827	0.18218176	3.0817646	21	8 25.6	18.3
181220 2005 SB_{263}	15.7	X	260.38812	84.55329	114.39041	3.04596	0.0138984	0.20214364	2.8753850	21	—	—
181221 2005 SR_{270}	15.3	X	311.42524	298.51631	56.05296	6.00867	0.0976277	0.17700117	3.1416077	21	7 25.1	19.4
181222 2005 TN_{1}	15.2	X	351.57270	270.91924	44.91781	8.56969	0.0913675	0.17685565	3.1433308	21	8 8.3	19.2
181223 2005 TY_{2}	15.9	X	264.83889	227.16928	326.00753	3.76827	0.0207873	0.20281845	2.8690035	21	—	—
181224 2005 TU_{3}	14.9	X	311.56915	200.43242	173.01407	18.01086	0.2252309	0.17839738	3.1251946	21	7 28.6	18.9
181225 2005 TP_{29}	16.3	X	270.40172	20.29955	278.26045	4.18803	0.0693197	0.22943443	2.6425933	21	3 15.3	20.1
181226 2005 TD_{35}	15.8	X	199.49943	172.00674	170.68697	6.21022	0.1231979	0.15633087	3.4127638	21	3 3.2	21.2
181227 2005 TK_{36}	16.2	X	67.58452	260.04148	63.40405	0.88614	0.0710034	0.19283494	2.9671915	21	11 29.8	20.4
181228 2005 TA_{46}	15.0	X	308.11946	169.20188	177.32227	9.33165	0.0566039	0.17006055	3.2265149	21	7 12.0	19.5
181229 2005 TO_{49}	16.0	X	227.64993	39.86459	258.79329	1.66096	0.1406641	0.21466515	2.7624538	21	1 28.9	20.4
181230 2005 TU_{64}	16.7	X	183.09257	82.09448	226.71550	2.60866	0.0797418	0.21233911	2.7825911	21	—	—
181231 2005 TA_{83}	14.3	X	196.72492	85.71668	246.06257	8.79694	0.1027254	0.15124407	3.4888622	21	2 13.5	19.9
181232 2005 TO_{96}	15.6	X	138.87375	319.80815	264.40215	2.24569	0.0607153	0.18376467	3.0640419	21	10 17.4	20.2
181233 2005 TB_{101}	15.7	X	162.06246	195.78588	74.78709	3.32918	0.0454873	0.19977029	2.8981139	21	—	—
181234 2005 TM_{130}	15.0	X	350.38706	119.54337	198.82559	9.15999	0.0873387	0.17490969	3.1666019	21	8 3.3	19.2
181235 2005 TQ_{130}	15.5	X	329.98766	252.41793	46.49149	7.39584	0.1018097	0.16883289	3.2421369	21	6 6.9	19.6
181236 2005 TV_{136}	15.5	X	344.36979	189.44688	74.31184	3.64041	0.0811738	0.16772577	3.2563883	21	5 17.1	19.5
181237 2005 TF_{154}	15.5	X	18.31051	15.58483	331.92093	5.02143	0.1875298	0.18625763	3.0366401	21	11 7.1	19.1
181238 2005 TP_{176}	16.0	X	61.77078	227.86717	149.26662	2.94049	0.0499269	0.19816219	2.9137717	21	—	—
181239 2005 TC_{190}	15.5	X	7.64685	218.30981	32.47549	5.21280	0.0433508	0.16770443	3.2566646	21	6 3.5	19.9
181240 2005 UQ_{4}	15.2	X	309.12867	146.69321	195.83920	13.51582	0.3032709	0.24386982	2.5372544	21	5 30.8	18.3
181241 Dipasquale	15.1	X	144.70609	48.54172	131.32225	10.27208	0.0239036	0.17333658	3.1857320	21	8 30.2	19.7
181242 2005 UO_{24}	15.7	X	115.41558	85.94949	242.61590	3.91877	0.1020815	0.19817896	2.9136074	21	—	—
181243 2005 UC_{48}	15.5	X	303.49928	82.89742	178.28208	4.89087	0.1186955	0.21964227	2.7205629	21	3 4.3	19.2
181244 2005 UH_{48}	14.7	X	42.60016	99.01623	207.58343	15.70601	0.0990906	0.18182398	3.0858060	21	10 9.9	18.9
181245 2005 UW_{65}	14.7	X	270.98262	315.75302	47.13541	12.08717	0.1476141	0.17143091	3.2092974	21	6 1.0	19.5
181246 2005 UX_{65}	15.8	X	210.12721	94.85107	229.27106	4.28422	0.1017401	0.21540321	2.7561400	21	2 10.7	20.1
181247 2005 UP_{66}	15.3	X	348.73084	253.44304	69.97496	6.88422	0.0510460	0.17599920	3.1535199	21	8 13.5	19.6
181248 2005 UL_{145}	14.7	X	281.10437	27.96970	261.62311	5.09542	0.1004699	0.15699337	3.4031559	21	3 21.4	19.7
181249 Tkachenko	15.6	X	17.96406	164.77546	186.76224	10.27710	0.0919272	0.18560809	3.0437206	21	11 3.4	19.5
181250 2005 UU_{177}	16.1	X	73.52446	324.42201	335.03625	2.29751	0.0790186	0.18382843	3.0633334	21	11 6.6	20.5
181251 2005 UD_{252}	15.5	X	5.69640	49.94736	300.61221	4.38906	0.1769663	0.18209162	3.0827815	21	10 17.5	19.0
181252 2005 UD_{255}	15.8	X	337.81538	179.03461	103.11107	2.16858	0.1382642	0.16959231	3.2324510	21	5 25.7	19.8
181253 2005 UD_{283}	16.6	X	313.15744	113.95824	174.50587	4.04447	0.1904826	0.22810886	2.6528210	21	4 11.4	19.8
181254 2005 UJ_{288}	14.9	X	323.84551	357.99695	90.27046	4.98479	0.1621775	0.12721298	3.9154508	21	11 26.3	19.6
181255 2005 UC_{317}	15.5	X	35.59577	175.49214	199.20003	10.05524	0.0203533	0.19689295	2.9262804	21	12 17.0	19.7
181256 2005 UD_{359}	14.1	X	217.99262	89.75001	99.82432	4.10571	0.1101478	0.12488702	3.9639167	21	11 18.3	20.0
181257 2005 UW_{363}	15.8	X	84.44766	221.25925	77.63875	5.49350	0.1659146	0.18818073	3.0159163	21	11 29.8	20.5
181258 2005 VW_{8}	15.4	X	243.19623	215.87323	50.76633	5.04753	0.2157470	0.20936534	2.8088779	21	1 4.1	20.3
181259 2005 VH_{9}	15.7	X	48.48287	191.26147	142.46316	2.29244	0.1633531	0.18625289	3.0366917	21	12 1.5	19.9
181260 2005 VR_{43}	16.0	X	266.24078	108.45951	130.81161	2.65521	0.0385189	0.21215395	2.7842098	21	1 4.1	20.0
181261 2005 VY_{76}	15.4	X	352.12107	325.17902	297.67461	12.17027	0.1761076	0.23212079	2.6221650	21	5 11.9	18.3
181262 2005 VV_{79}	14.9	X	103.96988	162.75844	79.49333	10.48288	0.0557426	0.17915730	3.1163510	21	10 6.1	19.6
181263 2005 VB_{99}	15.2	X	48.19165	197.36416	78.62621	6.46658	0.1012562	0.17675600	3.1445122	21	9 12.9	19.5
181264 2005 VE_{113}	15.3	X	233.54689	317.77590	155.10255	5.72759	0.0973119	0.17610737	3.1522285	21	9 12.4	20.0
181265 2005 VC_{132}	15.8	X	38.80955	117.50271	153.83587	9.95687	0.0444355	0.17474087	3.1686411	21	8 13.0	20.2
181266 2005 WU_{5}	14.9	X	26.75589	265.18319	63.77402	11.28090	0.1255884	0.18032991	3.1028269	21	10 23.9	18.9
181267 2005 WX_{16}	16.0	X	31.50360	131.73147	200.90104	0.52667	0.1726455	0.18117629	3.0931558	21	11 7.5	19.9
181268 2005 WS_{36}	15.2	X	97.47740	222.17368	82.15242	10.64912	0.2244609	0.18773673	3.0206695	21	12 22.2	20.1
181269 2005 WV_{86}	15.1	X	110.67144	193.78527	69.60686	9.78429	0.1393268	0.18259823	3.0770768	21	11 11.7	20.0
181270 2005 WS_{126}	15.8	X	52.19305	281.78677	59.82692	2.96841	0.1034331	0.18715528	3.0269226	21	12 6.7	20.0
181271 2005 WE_{163}	15.4	X	311.17820	26.87168	12.24536	10.44517	0.0656071	0.18421095	3.0590912	21	9 25.2	19.3
181272 2005 WR_{184}	15.5	X	223.68284	68.02351	88.43001	9.81245	0.0849923	0.18284511	3.0743064	21	10 29.8	20.1
181273 2005 XY_{1}	16.1	X	323.02573	118.99987	20.31986	2.15373	0.0145624	0.20486538	2.8498610	21	—	—
181274 2005 XC_{8}	15.9	X	139.50768	201.37193	95.74854	3.57135	0.1535223	0.19335776	2.9618403	21	—	—
181275 2005 XN_{8}	15.1	X	295.54106	230.89656	244.82300	1.87163	0.1824701	0.12561770	3.9485304	21	11 11.9	20.3
181276 2005 XN_{28}	14.9	X	129.04685	144.17739	112.02753	10.60643	0.1144546	0.18352957	3.0666581	21	11 20.6	19.8
181277 2005 YA_{2}	15.8	X	23.90046	298.14599	17.09032	3.49498	0.1502153	0.17681143	3.1438549	21	9 30.9	19.6
181278 2005 YR_{53}	13.5	X	328.37311	285.05801	339.49960	0.36366	0.0803645	0.08275679	5.2151518	21	5 1.9	20.1
181279 Iapyx	12.9	X	130.63528	337.59932	149.79437	22.51687	0.0612653	0.08361925	5.1792300	21	6 15.3	20.2
181280 2006 ES_{71}	16.2	X	156.36611	246.56057	89.79029	15.39602	0.1420487	0.23899765	2.5716210	21	1 3.3	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
181281 2006 KO_{82}	17.4	X	87.31378	199.90049	143.55575	2.70346	0.2177924	0.28396342	2.2924214	21	—	—
181282 2006 KK_{97}	16.6	X	310.42505	218.72570	164.18702	6.92516	0.1829188	0.26563937	2.3966673	21	8 24.6	18.5
181283 2006 OQ_{2}	16.6	X	137.37354	216.79826	116.63220	5.18328	0.2131418	0.29002484	2.2603686	21	—	—
181284 2006 OH_{4}	17.4	X	203.58574	3.11032	352.61005	2.93325	0.0965654	0.30188115	2.2007906	21	3 5.8	20.5
181285 2006 OO_{4}	15.8	X	179.29329	82.09746	17.11356	4.89726	0.0914748	0.17860154	3.1228125	21	6 29.9	20.6
181286 2006 OS_{4}	16.0	X	90.20267	252.38910	26.69915	3.01055	0.1484464	0.19936853	2.9020060	21	11 11.2	20.5
181287 2006 OF_{7}	15.1	X	166.38684	63.79489	298.13554	10.05996	0.3170730	0.22780946	2.6551448	21	2 23.2	20.0
181288 2006 OW_{14}	17.0	X	18.68028	26.56468	332.81034	7.74920	0.2457685	0.27385871	2.3484699	21	12 26.3	19.7
181289 2006 OF_{17}	16.9	X	111.25527	195.35921	150.51263	6.49562	0.2478440	0.28571222	2.2830574	21	—	—
181290 2006 OU_{20}	16.4	X	2.25200	275.38993	165.49928	1.48041	0.1234267	0.21106079	2.7938152	21	—	—
181291 2006 PR_{1}	14.6	X	227.70063	1.32660	315.45059	16.82664	0.2328985	0.17530828	3.1618003	21	2 18.4	20.1
181292 2006 PR_{10}	16.8	X	311.68395	136.88420	237.96543	1.98068	0.2023338	0.26176248	2.4202736	21	8 10.4	19.0
181293 2006 PB_{12}	16.9	X	334.04517	182.06474	201.44214	1.87240	0.2298400	0.26655167	2.3911956	21	10 22.3	18.3
181294 2006 PP_{12}	16.7	X	344.14747	116.16696	317.73259	8.92842	0.1912927	0.27714398	2.3298739	21	—	—
181295 2006 PH_{21}	16.9	X	46.30282	257.10912	125.55954	5.01586	0.1575485	0.28174137	2.3044589	21	—	—
181296 2006 PV_{24}	16.1	X	107.88068	195.88002	184.56017	10.30278	0.2498254	0.21995109	2.7180158	21	1 18.9	19.8
181297 2006 PY_{26}	17.5	X	157.05505	152.60257	221.62066	2.83132	0.2010527	0.29846099	2.2175717	21	2 16.0	20.6
181298 Ladányi	15.3	X	237.95768	260.07607	140.13474	16.84471	0.1350121	0.18673791	3.0314312	21	6 16.2	20.2
181299 2006 QZ_{2}	16.9	X	126.08943	227.50830	143.96807	4.05714	0.1734267	0.29288648	2.2456212	21	1 4.5	19.5
181300 2006 QR_{8}	16.4	X	98.31764	233.51589	168.54777	8.36919	0.2091950	0.22509081	2.6764813	21	1 26.9	19.7
181301 2006 QD_{9}	16.3	X	109.53437	43.27863	330.02816	10.85332	0.1685248	0.22374941	2.6871678	21	1 2.7	19.9
181302 2006 QS_{19}	15.3	X	122.05717	7.05670	358.29569	14.27381	0.2607529	0.22358586	2.6884781	21	1 24.3	19.4
181303 2006 QY_{20}	17.1	X	358.75338	197.72070	155.76383	3.68894	0.1980010	0.26605417	2.3941756	21	11 2.4	19.0
181304 2006 QO_{24}	16.1	X	96.72907	40.06048	340.76515	5.85130	0.0956210	0.22111372	2.7084797	21	—	—
181305 2006 QR_{24}	16.8	X	54.98796	346.50032	4.80353	4.67791	0.1603873	0.27543115	2.3395231	21	—	—
181306 2006 QK_{25}	16.7	X	116.22118	205.14783	145.80627	8.29029	0.1840261	0.28739640	2.2741293	21	—	—
181307 2006 QX_{29}	16.9	X	282.87813	352.46680	35.37208	2.75535	0.2182424	0.25865929	2.4395927	21	7 9.3	19.9
181308 2006 QB_{30}	15.7	X	263.14312	255.73902	133.17109	7.70558	0.3197116	0.18400731	3.0613478	21	6 7.2	20.7
181309 2006 QV_{30}	15.9	X	163.09612	215.68718	156.69980	14.56955	0.2726424	0.23159181	2.6261564	21	3 6.3	20.5
181310 2006 QE_{35}	16.6	X	86.15304	120.34800	258.84017	4.26742	0.2345011	0.28634359	2.2797002	21	—	—
181311 2006 QW_{35}	15.2	X	277.04694	320.28353	4.01531	11.29187	0.1402429	0.18135804	3.0910890	21	4 19.8	19.8
181312 2006 QV_{39}	17.2	X	133.49129	315.35003	54.86982	4.98361	0.1433945	0.29365111	2.2417213	21	1 8.9	19.8
181313 2006 QX_{45}	16.9	X	352.16485	92.29244	276.13144	0.93267	0.2205765	0.26680820	2.3896627	21	11 12.8	18.4
181314 2006 QY_{46}	17.0	X	87.50966	160.70102	164.09168	26.21256	0.0556997	0.34481062	2.0141059	21	—	—
181315 2006 QW_{47}	17.2	X	359.04353	220.92077	179.51539	4.46636	0.1915390	0.27314773	2.3525434	21	—	—
181316 2006 QX_{48}	17.0	X	95.69598	152.14313	232.37138	1.33071	0.1158571	0.28784136	2.2717851	21	—	—
181317 2006 QX_{50}	17.2	X	153.71437	338.96159	25.49051	3.32177	0.2008486	0.29574426	2.2311315	21	2 2.8	20.3
181318 2006 QT_{55}	16.3	X	156.38330	171.77514	208.45757	5.61458	0.2001206	0.29600730	2.2298095	21	2 22.5	19.6
181319 2006 QU_{56}	15.7	X	145.87796	358.99014	347.01703	13.35781	0.1797499	0.22385872	2.6862930	21	1 14.6	19.9
181320 2006 QX_{56}	17.3	X	336.25737	282.02110	343.69618	20.64178	0.0941114	0.38112845	1.8840329	21	3 29.4	19.1
181321 2006 QR_{62}	16.7	X	29.46966	330.18772	96.81826	4.59436	0.1173648	0.28262553	2.2996502	21	—	—
181322 2006 QZ_{67}	17.1	X	264.29921	257.94076	143.90496	3.05866	0.1001920	0.25756519	2.4464965	21	7 21.7	20.3
181323 2006 QJ_{79}	16.9	X	96.46255	175.22320	159.52555	4.67007	0.2374816	0.28461389	2.2889272	21	—	—
181324 2006 QX_{80}	17.3	X	320.58270	24.22345	25.98274	2.98025	0.1676606	0.26841745	2.3801019	21	11 2.4	18.9
181325 2006 QW_{88}	16.5	X	180.90142	227.70009	164.27196	15.27713	0.1584641	0.23809858	2.5780906	21	4 9.9	20.7
181326 2006 QS_{90}	16.7	X	108.77573	187.36363	166.93090	23.63076	0.0764775	0.35581528	1.9723606	21	—	—
181327 2006 QZ_{94}	16.8	X	38.07721	316.90411	57.73704	5.03561	0.1550476	0.27758807	2.3273883	21	—	—
181328 2006 QD_{95}	16.8	X	282.18460	145.06407	125.56868	7.85902	0.1182872	0.30714221	2.1755866	21	2 5.9	19.5
181329 2006 QZ_{97}	15.5	X	25.18611	197.66028	207.59952	11.84116	0.2767245	0.21197666	2.7857621	21	—	—
181330 2006 QX_{109}	16.2	X	234.15908	78.88612	331.41762	9.99375	0.3608393	0.18212686	3.0823838	21	6 5.6	21.9
181331 2006 QH_{112}	17.2	X	328.39262	87.21884	166.92137	23.77997	0.0484664	0.37924563	1.8902634	21	3 16.7	18.8
181332 2006 QS_{112}	16.6	X	49.67710	332.13492	79.87266	6.95973	0.1374426	0.28460200	2.2889910	21	—	—
181333 2006 QX_{113}	17.0	X	101.65051	48.86524	345.56783	7.39122	0.1821596	0.29138865	2.2533101	21	1 1.5	19.1
181334 2006 QY_{119}	15.9	X	85.51307	5.64698	24.37347	3.67115	0.1989080	0.21654541	2.7464396	21	—	—
181335 2006 QQ_{122}	16.4	X	125.76205	60.10105	330.90841	10.67470	0.2028146	0.22673305	2.6635417	21	2 16.6	20.1
181336 2006 QD_{125}	16.4	X	151.34905	61.59362	307.21119	11.86129	0.1233842	0.23198094	2.6232188	21	2 5.2	20.1
181337 2006 QW_{126}	17.0	X	336.24506	248.32758	104.27525	3.40549	0.1642547	0.26187593	2.4195745	21	9 6.3	18.9
181338 2006 QK_{147}	17.3	X	359.34204	30.81542	353.83877	2.58199	0.1798568	0.26992635	2.3712237	21	12 17.4	19.5
181339 2006 QK_{159}	17.1	X	341.64061	272.16924	193.70270	2.93807	0.1981062	0.28042316	2.3116751	21	—	—
181340 2006 QX_{182}	17.4	X	286.28139	105.33650	327.51164	1.99278	0.1720519	0.26496296	2.4007445	21	9 26.3	19.8
181341 2006 RJ_{4}	17.0	X	22.94743	14.94167	357.13669	2.57134	0.1981725	0.27214840	2.3582989	21	—	—
181342 2006 RE_{5}	16.5	X	320.08677	209.77954	209.67494	8.13854	0.2425210	0.26682502	2.3895623	21	11 15.1	17.7
181343 2006 RS_{6}	16.0	X	226.86037	68.56056	8.14695	11.45078	0.2157641	0.18298458	3.0727440	21	7 14.3	21.3
181344 2006 RB_{7}	17.5	X	73.80233	271.74623	234.30195	1.06239	0.0595483	0.30429260	2.1891480	21	4 7.9	19.5
181345 2006 RC_{7}	17.2	X	289.98108	251.30178	189.94438	1.09795	0.1110799	0.26420494	2.4053342	21	10 25.4	19.5
181346 2006 RV_{18}	15.6	X	101.89996	85.81879	332.44987	14.46625	0.1078906	0.22637689	2.6663347	21	2 9.6	19.0
181347 2006 RU_{22}	15.8	X	28.98232	87.89659	343.19317	12.41084	0.1377149	0.21468631	2.7622723	21	—	—
181348 2006 RM_{30}	17.3	X	283.46015	110.70905	306.93459	2.03909	0.2104096	0.26008700	2.4306566	21	8 22.9	20.2
181349 2006 RO_{31}	16.8	X	126.42644	64.65566	4.61159	15.77104	0.2803233	0.23099667	2.6306652	21	4 10.1	21.0
181350 2006 RZ_{32}	16.2	X	151.94039	346.09392	339.18489	3.53305	0.0984488	0.22053402	2.7132241	21	—	—
181351 2006 RF_{35}	15.1	X	50.42879	301.96433	295.80099	10.11207	0.0671023	0.18733020	3.0250381	21	7 20.2	19.1
181352 2006 RY_{37}	17.0	X	155.18837	266.92768	72.25610	2.49844	0.1307516	0.29157691	2.2523401	21	—	—
181353 2006 RJ_{38}	17.1	X	147.23834	224.80679	189.46848	11.79891	0.2615014	0.23488867	2.6015250	21	4 11.9	21.4
181354 2006 RP_{39}	17.0	X	338.36919	5.22772	49.39389	3.20833	0.2297931	0.26931480	2.3748120	21	12 27.1	18.6
181355 2006 RY_{42}	17.3	X	98.21046	238.70171	18.27726	3.20980	0.0535838	0.26497293	2.4006843	21	10 22.0	20.5
181356 2006 RP_{46}	15.6	X	139.09331	44.33370	11.34919	22.22119	0.0490930	0.23359614	2.6111126	21	3 19.2	19.2
181357 2006 RB_{50}	16.9	X	168.58560	240.33634	198.08716	3.85906	0.0603786	0.24196936	2.5505223	21	5 19.9	20.4
181358 2006 RK_{52}	16.5	X	6.07065	265.93913	180.43915	2.15320	0.1069217	0.21188748	2.7865436	21	—	—
181359 2006 RH_{55}	15.9	X	43.04187	25.29258	29.81605	5.25021	0.0612860	0.21446549	2.7641680	21	—	—
181360 2006 RF_{76}	15.9	X	18.16690	96.50090	8.40105	8.94443	0.1805580	0.21778485	2.7360095	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
181361 2006 RE_{87}	17.6	X	227.39008	81.29183	28.69131	0.67778	0.1657546	0.25711265	2.4493664	21	8 30.5	21.2
181362 2006 RA_{89}	17.3	X	3.64695	195.34187	295.04188	1.56135	0.0187227	0.28922943	2.2645108	21	—	—
181363 2006 RS_{93}	16.3	X	178.15992	112.28657	351.48242	4.40868	0.1616216	0.17852282	3.1237305	21	7 4.9	21.5
181364 2006 RJ_{95}	16.4	X	3.64622	87.17443	6.00234	8.22143	0.1812163	0.21107688	2.7936732	21	—	—
181365 2006 RF_{99}	17.0	X	98.85266	334.29952	23.98220	2.89324	0.0721590	0.28458590	2.2890773	21	—	—
181366 2006 RW_{99}	17.0	X	336.01390	61.54305	336.06876	9.75927	0.2242023	0.26912011	2.3759572	21	11 17.6	18.9
181367 2006 RF_{101}	15.2	X	230.19242	187.13203	222.86495	11.15865	0.2165655	0.18029037	3.1032805	21	6 12.2	20.4
181368 2006 SS_{3}	15.9	X	88.00215	201.19188	177.56078	10.78784	0.1700152	0.21698250	2.7427501	21	—	—
181369 2006 SX_{3}	16.8	X	285.67515	90.22347	336.91033	6.09300	0.1366559	0.26119477	2.4237793	21	9 21.3	19.6
181370 2006 SZ_{3}	17.1	X	249.62693	303.30418	341.54758	6.52203	0.1248079	0.29927512	2.2135482	21	1 22.4	20.3
181371 2006 SD_{4}	17.1	X	6.73009	73.21894	292.39788	4.65435	0.1538368	0.26835086	2.3804957	21	11 27.7	19.5
181372 2006 SQ_{4}	15.8	X	170.78820	183.49793	225.63043	4.79165	0.1802277	0.23363811	2.6107999	21	4 19.6	20.0
181373 2006 SO_{5}	15.7	X	123.14638	52.61113	12.63357	31.33894	0.2533696	0.22920047	2.6443913	21	4 2.6	19.7
181374 2006 SL_{8}	16.6	X	77.73126	275.96796	134.71072	8.06826	0.0221187	0.28741541	2.2740291	21	—	—
181375 2006 SM_{8}	16.4	X	144.56328	261.86673	92.55925	6.07295	0.1946174	0.29117077	2.2544341	21	1 9.6	19.2
181376 2006 SJ_{12}	16.0	X	185.25646	189.32728	149.41636	5.83056	0.2217075	0.22975455	2.6401381	21	2 8.6	20.4
181377 2006 SU_{13}	17.1	X	117.08727	340.28556	18.46903	5.17691	0.1857485	0.28652040	2.2787622	21	—	—
181378 2006 SA_{15}	17.3	X	82.26470	90.76416	274.69910	2.54199	0.0953142	0.28214210	2.3022764	21	—	—
181379 2006 SV_{18}	16.5	X	92.51653	314.69468	124.60196	3.11449	0.1844265	0.22609958	2.6685144	21	3 6.9	19.9
181380 2006 SF_{36}	16.4	X	102.61005	302.83251	60.72874	7.52979	0.2126238	0.21934822	2.7229938	21	—	—
181381 2006 SD_{37}	17.4	X	358.13342	232.70468	343.22675	4.03946	0.1030315	0.30453196	2.1880007	21	3 11.3	19.3
181382 2006 SF_{37}	17.0	X	173.25449	297.58818	231.71827	3.35775	0.0912333	0.25959338	2.4337370	21	9 23.1	20.4
181383 2006 SN_{43}	16.4	X	46.11981	111.91377	334.26696	10.50794	0.1341761	0.22255587	2.6967665	21	—	—
181384 2006 SZ_{46}	16.6	X	90.78138	279.54863	193.50677	11.30718	0.2098858	0.23393713	2.6085747	21	4 21.7	19.9
181385 2006 SU_{47}	16.9	X	26.74024	128.51380	335.87894	7.21969	0.0418192	0.29029566	2.2589625	21	—	—
181386 2006 SD_{49}	16.8	X	48.81757	322.54047	15.82663	2.54352	0.2250891	0.27139299	2.3626731	21	12 31.9	20.2
181387 2006 SS_{51}	15.9	X	145.61351	358.04548	65.37504	13.20412	0.1537093	0.23622123	2.5917321	21	4 17.2	20.0
181388 2006 ST_{60}	16.1	X	40.11187	294.69706	122.62123	9.90914	0.1650726	0.21341312	2.7732476	21	—	—
181389 2006 SW_{60}	15.6	X	22.15159	353.95064	100.67523	6.53297	0.1083787	0.21679377	2.7443417	21	—	—
181390 2006 SX_{71}	16.8	X	345.80126	33.14552	146.52523	2.50494	0.0628160	0.22609137	2.6685790	21	1 22.5	20.2
181391 2006 SM_{75}	16.0	X	188.62631	95.18851	34.23882	13.99679	0.2022924	0.18280884	3.0747130	21	8 19.4	21.4
181392 2006 SY_{77}	15.8	X	0.31820	270.58168	169.50477	13.64255	0.0839787	0.21072188	2.7968100	21	—	—
181393 2006 SK_{90}	17.4	X	149.19258	182.36554	351.49180	1.03995	0.1182942	0.25455731	2.4657308	21	9 4.5	20.9
181394 2006 SX_{90}	16.8	X	110.35803	69.34229	329.91458	1.01715	0.0842772	0.22340815	2.6899036	21	1 22.9	20.3
181395 2006 SY_{92}	17.3	X	42.90985	53.74714	197.24162	2.35646	0.1052967	0.25197062	2.4825773	21	8 3.1	20.2
181396 2006 SW_{95}	16.6	X	331.14575	54.04292	78.57250	1.08119	0.0152032	0.21467260	2.7623898	21	—	—
181397 2006 SF_{99}	16.0	X	12.53900	89.58648	20.17688	3.49276	0.0487160	0.21784963	2.7354671	21	—	—
181398 2006 SC_{108}	16.9	X	293.31468	86.65805	339.21143	6.97471	0.1046311	0.26425393	2.4050369	21	10 6.4	19.5
181399 2006 SD_{111}	16.1	X	222.64163	191.83356	139.51390	12.00871	0.1673489	0.23562838	2.5960775	21	3 3.2	20.3
181400 2006 SV_{115}	15.0	X	175.27740	292.12505	137.73868	14.58863	0.1439920	0.17403883	3.1771565	21	5 25.4	20.4
181401 2006 SF_{117}	17.1	X	203.74550	296.56910	82.22989	0.59559	0.1119539	0.30494499	2.1860246	21	4 5.9	20.2
181402 2006 SR_{118}	15.9	X	73.32522	96.05937	31.22694	8.32043	0.0953115	0.22908338	2.6452923	21	3 29.9	19.0
181403 2006 SW_{121}	16.9	X	146.63780	266.73395	146.30918	2.78223	0.1964071	0.23491622	2.6013216	21	4 4.9	21.0
181404 2006 SD_{124}	17.0	X	153.21579	241.37720	87.50255	6.70792	0.0674459	0.28966221	2.2622546	21	—	—
181405 2006 SK_{126}	16.0	X	79.91973	76.38372	17.79757	21.70569	0.1641952	0.22684911	2.6626331	21	3 12.8	19.4
181406 2006 SO_{132}	16.6	X	32.85154	27.81136	345.48907	4.81088	0.2291527	0.27168768	2.3609643	21	—	—
181407 2006 SQ_{133}	16.1	X	290.66889	262.65397	191.93850	11.16523	0.2370309	0.19966191	2.8991626	21	10 15.0	19.3
181408 2006 SK_{138}	16.7	X	48.32301	196.65952	159.97965	5.26644	0.1459869	0.27265149	2.3553971	21	—	—
181409 2006 SD_{141}	16.7	X	247.12312	193.38462	140.60728	5.43189	0.1774786	0.24055824	2.5604869	21	3 27.6	20.7
181410 2006 SE_{162}	15.8	X	33.30714	296.30867	151.12378	14.03702	0.1508183	0.21760384	2.7375266	21	—	—
181411 2006 SY_{170}	17.4	X	289.39574	131.37846	353.17699	3.07193	0.0847249	0.27423762	2.3463062	21	12 31.2	19.9
181412 2006 SO_{173}	16.7	X	167.77984	135.38987	328.98502	5.90728	0.0275687	0.31563720	2.1363739	21	6 19.6	19.2
181413 2006 SY_{179}	16.7	X	346.18756	165.28848	20.92273	3.62509	0.1816302	0.29661439	2.2267660	21	—	—
181414 2006 SX_{186}	15.4	X	271.71854	325.97199	34.93615	10.04990	0.1217467	0.17849731	3.1240281	21	6 2.5	20.0
181415 2006 SA_{193}	16.9	X	237.99166	333.26512	46.42862	2.18114	0.1067499	0.24534136	2.5270987	21	5 18.9	20.4
181416 2006 SL_{210}	17.4	X	347.27073	170.76162	163.99252	1.12822	0.0454546	0.25845838	2.4408568	21	8 30.1	20.2
181417 2006 SO_{214}	17.2	X	352.85505	90.07616	347.32432	8.09519	0.0819670	0.27468256	2.3437718	21	—	—
181418 2006 SJ_{216}	17.1	X	309.23033	254.13189	163.86023	5.00325	0.0847548	0.26457758	2.4030752	21	10 28.9	19.6
181419 Dragonera	15.9	X	132.46643	339.58597	44.09708	9.79050	0.2267746	0.22185627	2.7024329	21	2 22.5	20.1
181420 2006 SK_{258}	16.1	X	6.26851	238.72709	200.53401	3.13246	0.0485438	0.21167444	2.7884130	21	—	—
181421 2006 SM_{262}	16.6	X	273.22997	249.98270	78.51621	1.83472	0.0912115	0.24160096	2.5531144	21	4 25.6	20.2
181422 2006 SQ_{272}	16.5	X	117.16144	216.85524	162.90521	6.91044	0.1289663	0.22319503	2.6916156	21	1 12.6	20.2
181423 2006 SF_{274}	17.0	X	330.26739	304.69432	149.32076	4.92781	0.0928180	0.27399601	2.3476853	21	—	—
181424 2006 SM_{276}	16.7	X	157.16249	238.97146	142.91873	5.15293	0.1720438	0.23173895	2.6250446	21	3 5.7	20.8
181425 2006 SF_{279}	16.4	X	163.35163	342.57685	35.92122	5.46390	0.2572416	0.23021391	2.6366249	21	3 14.2	20.9
181426 2006 SP_{281}	16.6	X	137.10030	151.07152	293.56780	6.78406	0.1296579	0.23852808	2.5749949	21	4 24.4	20.5
181427 2006 SW_{281}	16.2	X	139.56909	213.86422	151.24327	14.40515	0.2661745	0.22311753	2.6922388	21	2 5.4	20.4
181428 2006 SG_{289}	15.8	X	10.68242	4.27971	103.01068	8.70053	0.0781068	0.21825913	2.7320445	21	—	—
181429 2006 SO_{315}	15.9	X	36.08417	94.50877	30.30627	11.46735	0.1034919	0.22477226	2.6790095	21	1 29.1	19.2
181430 2006 SV_{320}	17.4	X	228.39988	118.20851	133.65760	3.44312	0.1480867	0.28905118	2.2654417	21	—	—
181431 2006 SA_{321}	16.6	X	189.84022	155.53547	39.12039	7.32109	0.0583797	0.26863069	2.3788422	21	11 18.3	19.8
181432 2006 SX_{327}	17.2	X	86.72202	81.26593	70.36706	3.62019	0.1194198	0.23788331	2.5796458	21	5 23.1	20.5
181433 2006 SZ_{335}	16.6	X	117.13009	23.71511	77.41932	5.37218	0.1395442	0.23519421	2.5992714	21	4 29.2	20.2
181434 2006 SC_{344}	16.0	X	95.07719	80.56669	283.15694	2.52712	0.1089975	0.21517288	2.7581065	21	—	—
181435 2006 SD_{347}	15.9	X	315.28501	35.95112	356.99378	3.51282	0.1682483	0.19302744	2.9652184	21	9 12.6	19.3
181436 2006 SM_{348}	15.8	X	21.63370	58.48766	34.29536	6.71643	0.0719204	0.21558440	2.7545955	21	—	—
181437 2006 SB_{349}	16.6	X	290.09839	345.70663	76.15836	0.15390	0.1159884	0.19275039	2.9680591	21	9 17.5	20.4
181438 2006 SY_{350}	16.6	X	238.00341	44.23578	151.79729	7.25510	0.0399697	0.28087007	2.3092223	21	—	—
181439 2006 SW_{359}	16.0	X	39.39246	265.62956	183.07830	7.79229	0.1486068	0.21523647	2.7575632	21	—	—
181440 2006 SN_{380}	15.5	X	195.95122	293.08719	167.23720	16.73875	0.2062391	0.17782283	3.1319228	21	7 13.6	21.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
181441 2006 SV_{381}	15.8	X	195.56679	308.84281	132.59708	5.86422	0.1251458	0.17968071	3.1102962	21	6 23.7	20.8
181442 2006 SX_{391}	15.8	X	271.85811	272.72822	161.90796	12.16759	0.2064386	0.18820471	3.0156601	21	8 25.1	19.9
181443 2006 SJ_{393}	16.7	X	173.58226	192.08240	69.13033	3.34645	0.1564863	0.27357183	2.3501115	21	—	—
181444 2006 TB_{14}	15.5	X	348.45159	66.04790	30.32571	14.00947	0.1357430	0.20993282	2.8038138	21	—	—
181445 2006 TT_{15}	17.2	X	25.81416	113.17646	209.48396	4.49715	0.1214416	0.26370467	2.4083753	21	10 23.5	19.6
181446 2006 TY_{18}	15.3	X	212.82120	78.60872	23.39291	13.48087	0.2146519	0.18092776	3.0959878	21	8 4.6	20.7
181447 2006 TD_{19}	15.5	X	138.03301	93.92276	24.32574	9.06631	0.1202894	0.17201665	3.2020078	21	6 11.2	20.5
181448 2006 TQ_{19}	16.1	X	64.24518	157.21602	229.20870	4.77449	0.0256072	0.21115974	2.7929423	21	—	—
181449 2006 TC_{20}	16.6	X	76.58826	192.06211	285.73749	1.23440	0.1546217	0.22774905	2.6556143	21	3 28.0	19.6
181450 2006 TF_{21}	16.3	X	20.00736	76.99133	211.60235	6.45997	0.0478755	0.25225785	2.4806925	21	8 11.9	19.4
181451 2006 TD_{23}	16.2	X	357.36300	300.17707	90.18559	3.11421	0.0675670	0.19931382	2.9025371	21	11 21.9	20.0
181452 2006 TJ_{23}	17.4	X	328.20952	133.85629	41.06046	4.80788	0.0873550	0.28995363	2.2607386	21	—	—
181453 2006 TY_{25}	17.3	X	93.67125	240.63343	24.02512	3.41743	0.0547654	0.26234807	2.4166707	21	10 26.4	20.4
181454 2006 TK_{35}	16.4	X	340.37487	109.53503	19.24427	4.86811	0.1116528	0.21177957	2.7874901	21	—	—
181455 2006 TL_{35}	15.3	X	203.44888	240.07787	226.54661	9.21368	0.1488319	0.18073626	3.0981744	21	7 28.2	20.4
181456 2006 TG_{36}	16.3	X	219.45789	335.12363	225.62724	6.47367	0.0629295	0.27170871	2.3608424	21	—	—
181457 2006 TD_{42}	16.8	X	172.10805	17.45130	26.57146	1.33549	0.0519426	0.23358064	2.6112282	21	4 8.3	20.3
181458 2006 TH_{44}	16.7	X	304.80150	9.91424	217.72410	2.50349	0.1278425	0.29207637	2.2497716	21	1 7.0	19.5
181459 2006 TM_{44}	16.4	X	157.96275	63.03898	48.70993	4.56542	0.0560845	0.24200120	2.5502986	21	6 19.9	19.9
181460 2006 TF_{49}	17.4	X	279.39704	129.89057	208.14233	3.95717	0.1421764	0.31283230	2.1491249	21	5 3.2	20.0
181461 2006 TZ_{49}	15.4	X	256.70672	40.16587	64.88829	12.36222	0.0885677	0.19371266	2.9582217	21	10 8.3	19.7
181462 2006 TW_{50}	16.0	X	293.70024	146.01079	52.54134	3.05408	0.0377141	0.21653092	2.7465622	21	—	—
181463 2006 TY_{51}	16.8	X	42.53326	300.50559	165.02266	2.07717	0.0285948	0.21913290	2.7247772	21	1 9.8	20.3
181464 2006 TL_{54}	16.6	X	100.59604	332.89936	5.79813	5.13374	0.1889170	0.27914382	2.3187328	21	—	—
181465 2006 TX_{54}	16.4	X	262.57405	175.09612	150.14357	5.89312	0.2182038	0.24077848	2.5589253	21	3 27.6	20.4
181466 2006 TU_{55}	15.4	X	227.26318	305.35443	150.73810	9.14985	0.2513664	0.18147101	3.0898060	21	8 1.2	20.7
181467 2006 TY_{55}	15.2	X	236.02364	265.47438	110.36645	6.73238	0.0804647	0.17422805	3.1748557	21	5 19.9	20.0
181468 2006 TN_{56}	17.1	X	230.30912	201.37283	18.62383	7.34092	0.0732955	0.28297013	2.2977829	21	—	—
181469 2006 TK_{63}	16.6	X	154.69195	64.79888	282.24740	3.81460	0.0844316	0.29080954	2.2563005	21	—	—
181470 2006 TY_{63}	16.6	X	248.88810	232.71186	150.81520	7.13308	0.1290956	0.24671327	2.5177216	21	6 4.6	20.4
181471 2006 TT_{67}	15.5	X	211.09861	99.53801	328.88153	14.81882	0.2306461	0.17813465	3.1282667	21	6 18.5	21.1
181472 2006 TQ_{71}	16.0	X	51.30452	159.14897	264.61222	2.08024	0.0852592	0.21663600	2.7456740	21	—	—
181473 2006 TW_{71}	17.2	X	53.85375	246.19553	85.17152	6.62832	0.0795088	0.26936125	2.3745390	21	12 8.7	20.2
181474 2006 TR_{75}	15.7	X	60.15196	342.21174	59.13908	12.87361	0.0896347	0.21352411	2.7722865	21	—	—
181475 2006 TL_{80}	15.4	X	331.25862	351.21069	8.57045	10.14179	0.0461447	0.18880052	3.0093123	21	9 6.3	19.3
181476 2006 TK_{84}	16.5	X	12.71006	106.25377	338.15820	4.39106	0.0438800	0.21205593	2.7850677	21	—	—
181477 2006 TN_{87}	16.6	X	54.33596	184.66109	241.08547	4.29507	0.0798501	0.21523219	2.7575997	21	—	—
181478 2006 TR_{88}	16.8	X	199.49168	44.57233	349.34232	2.73731	0.0554886	0.23747014	2.5826371	21	4 26.1	20.3
181479 2006 TL_{90}	15.6	X	317.22673	332.56346	234.36529	10.06407	0.0381418	0.22280803	2.6947314	21	1 20.7	19.4
181480 2006 TF_{92}	16.6	X	319.87467	178.07943	345.40652	1.59924	0.0849699	0.21415537	2.7668359	21	—	—
181481 2006 TR_{92}	16.1	X	40.20571	285.91292	90.71597	3.15792	0.0483520	0.20607751	2.8386749	21	12 31.0	20.0
181482 2006 TO_{93}	16.3	X	156.82674	61.76287	237.37290	3.97925	0.0543433	0.21376435	2.7702090	21	—	—
181483 Ampleforth	16.3	X	119.69062	11.15492	47.52764	10.01422	0.0671785	0.22435304	2.6823457	21	3 3.1	20.1
181484 2006 TH_{96}	15.1	X	211.69580	97.93568	348.33261	14.58558	0.1765272	0.18007618	3.1057408	21	7 16.2	20.4
181485 2006 TT_{99}	16.6	X	44.42064	324.23945	241.37911	5.98377	0.0751685	0.24133889	2.5549624	21	5 27.6	19.4
181486 2006 TT_{101}	17.0	X	240.89503	146.88783	26.36844	7.49311	0.0458081	0.27105496	2.3646370	21	12 29.2	20.0
181487 2006 TA_{104}	16.2	X	139.29245	67.14930	197.77551	1.53085	0.0245301	0.20252693	2.8717559	21	12 8.7	20.3
181488 2006 TM_{104}	16.4	X	239.19891	262.98284	151.48794	1.58088	0.1896922	0.18021938	3.1040953	21	6 27.9	21.2
181489 2006 TV_{109}	16.0	X	133.84927	313.10517	129.05559	14.57722	0.1339459	0.23230533	2.6207761	21	4 27.9	20.2
181490 2006 TK_{110}	16.6	X	196.75164	340.64298	236.24697	6.04296	0.0749461	0.27102759	2.3647962	21	12 24.8	19.7
181491 2006 TR_{111}	16.6	X	84.17075	104.49923	142.30390	9.94693	0.0060142	0.25712473	2.4492897	21	9 14.6	19.7
181492 2006 UU_{1}	16.0	X	196.76407	233.32946	63.08776	7.93847	0.1389312	0.22158174	2.7046645	21	—	—
181493 2006 UJ_{3}	16.4	X	294.03374	277.25645	216.55036	1.20574	0.0229393	0.20598302	2.8395429	21	—	—
181494 2006 UJ_{4}	16.9	X	130.92817	190.10182	240.49749	1.34326	0.0516727	0.29877298	2.2160276	21	3 13.6	19.5
181495 2006 UZ_{5}	16.5	X	27.18446	21.75249	67.90751	2.37417	0.0220300	0.21590852	2.7518380	21	—	—
181496 2006 UM_{7}	15.9	X	254.78020	247.70493	185.39202	9.11129	0.1299793	0.18534757	3.0465720	21	8 11.6	20.5
181497 2006 UX_{8}	16.4	X	238.00438	174.02330	152.44289	3.35955	0.2157651	0.23527596	2.5986693	21	3 7.4	20.6
181498 2006 UK_{11}	15.9	X	199.85944	297.91606	145.71929	1.55090	0.1302922	0.17821087	3.1273747	21	6 30.2	20.9
181499 2006 UY_{11}	16.8	X	9.88716	244.08141	164.64872	2.76093	0.0471614	0.20509085	2.8477719	21	12 31.1	20.6
181500 2006 UJ_{14}	16.4	X	350.91782	293.39018	174.99196	2.49403	0.0218271	0.21095570	2.7947429	21	—	—
181501 2006 UY_{24}	16.6	X	35.01053	165.15025	341.17994	2.46159	0.1284420	0.22638740	2.6662522	21	2 21.4	19.4
181502 2006 UY_{27}	16.4	X	14.06074	60.96525	27.29321	6.40893	0.0251414	0.21371548	2.7706313	21	—	—
181503 2006 UC_{37}	16.2	X	283.33359	107.12789	353.49406	1.56138	0.0735387	0.19681146	2.9270881	21	11 2.7	19.9
181504 2006 UL_{39}	16.8	X	233.97352	9.29522	290.71758	0.92729	0.0575969	0.22768815	2.6560878	21	2 6.8	20.5
181505 2006 UR_{40}	16.6	X	26.59804	155.49164	35.97279	5.05742	0.0510680	0.23327522	2.6135069	21	4 9.1	19.6
181506 2006 UO_{41}	16.0	X	301.63315	14.52421	38.58158	1.08643	0.0318310	0.19155478	2.9803966	21	10 3.0	19.8
181507 2006 UT_{41}	16.6	X	33.16655	264.79908	42.83889	4.73315	0.0829451	0.25821883	2.4423662	21	10 8.3	19.4
181508 2006 UC_{45}	17.5	X	203.55361	256.83412	49.69016	6.79675	0.1213100	0.29011225	2.2599145	21	1 4.1	20.8
181509 2006 UJ_{52}	16.6	X	241.13224	128.72177	110.09252	2.56971	0.0358038	0.21781051	2.7357946	21	—	—
181510 2006 UA_{63}	14.3	X	94.43357	326.73606	279.07666	28.47204	0.2414309	0.17532795	3.1615637	21	9 29.7	20.0
181511 2006 UY_{67}	17.0	X	164.78442	146.57141	174.90395	7.72526	0.1717017	0.28903186	2.2655426	21	—	—
181512 2006 UT_{70}	15.8	X	167.05660	175.39142	171.57099	12.16479	0.1832646	0.22482860	2.6785618	21	1 30.9	20.2
181513 2006 UC_{71}	15.2	X	180.44300	285.87524	185.82388	10.20087	0.1133772	0.17680683	3.1439094	21	7 14.6	20.4
181514 2006 UY_{76}	16.0	X	40.26412	120.88441	274.62738	4.18061	0.0336597	0.20923327	2.8100597	21	—	—
181515 2006 UE_{77}	16.6	X	218.53318	149.52753	330.43730	3.92087	0.1042445	0.25561886	2.4588996	21	9 8.4	20.0
181516 2006 UW_{78}	16.8	X	57.83574	43.01763	337.41069	2.89878	0.1046743	0.21007609	2.8025388	21	—	—
181517 2006 UP_{79}	16.5	X	341.54432	127.76936	336.07438	3.50470	0.0687529	0.20988696	2.8042222	21	—	—
181518 Ursulakleguin	15.6	X	168.79196	125.39917	41.02912	5.95286	0.2339427	0.18231732	3.0802367	21	9 12.4	21.0
181519 2006 UR_{87}	16.5	X	151.01858	247.91263	21.18030	2.88259	0.1515006	0.27188234	2.3598372	21	—	—
181520 2006 UY_{99}	16.9	X	2.51878	144.71465	77.04720	6.32073	0.1043726	0.30241652	2.1981924	21	4 2.6	18.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
181521 2006 US_{101}	16.5	X	231.91554	66.43746	154.92180	4.27808	0.0453829	0.21119325	2.7926469	21	—	—
181522 2006 UW_{102}	16.9	X	225.54801	100.03192	182.35422	5.51276	0.1138953	0.29098605	2.2553880	21	—	—
181523 2006 UW_{103}	16.1	X	209.15453	71.47289	75.13539	4.80435	0.0850867	0.19027390	2.9937572	21	10 1.3	20.6
181524 2006 UQ_{106}	16.6	X	138.02391	169.12739	84.68105	5.36096	0.0935785	0.26717581	2.3874702	21	12 5.4	20.0
181525 2006 UP_{117}	16.2	X	185.28364	348.08811	204.39615	8.66719	0.2698698	0.26409439	2.4060054	21	10 28.1	20.3
181526 2006 UQ_{118}	15.9	X	246.01378	75.44609	51.16983	1.91900	0.0502874	0.19674202	2.9277768	21	10 22.2	20.0
181527 2006 UG_{131}	16.8	X	347.83161	223.61622	333.89275	2.04540	0.0317164	0.22896046	2.6462390	21	2 20.8	20.2
181528 2006 UD_{133}	16.1	X	204.20545	348.58530	68.35946	2.18279	0.1833687	0.17450643	3.1714784	21	5 31.2	21.3
181529 2006 UM_{134}	16.3	X	279.67702	4.82160	135.00841	3.14932	0.0490657	0.20367321	2.8609709	21	12 21.9	20.2
181530 2006 UD_{137}	16.3	X	44.20040	224.47408	16.10463	8.50563	0.1045377	0.24626820	2.5207542	21	7 24.4	19.4
181531 2006 UE_{137}	16.8	X	291.85519	22.45850	291.65494	2.99622	0.1545681	0.30907662	2.1664996	21	4 11.4	19.5
181532 2006 UK_{141}	16.5	X	211.54445	139.02500	207.66069	4.32853	0.0860167	0.23005031	2.6378748	21	3 10.3	20.4
181533 2006 UJ_{144}	16.6	X	179.83558	58.44034	287.49211	2.37196	0.1952250	0.22642790	2.6659342	21	2 11.5	21.0
181534 2006 UC_{152}	16.0	X	151.89096	39.88331	160.96806	1.81145	0.0514488	0.19102167	2.9859392	21	10 5.0	20.3
181535 2006 UA_{170}	15.4	X	201.23353	284.78148	195.94543	13.54277	0.1372070	0.18386666	3.0629087	21	8 12.5	20.5
181536 2006 UE_{174}	15.5	X	146.15566	105.39977	14.08822	9.52212	0.1086197	0.17278655	3.1924892	21	6 21.1	20.6
181537 2006 UE_{175}	16.3	X	73.91991	237.22420	139.73004	5.27806	0.1199772	0.21478046	2.7614650	21	—	—
181538 2006 UL_{176}	16.3	X	228.60362	324.38950	119.99487	6.05349	0.2180205	0.18343197	3.0677457	21	7 22.5	21.4
181539 2006 UX_{177}	16.1	X	13.95763	260.98589	116.01065	3.70847	0.0526529	0.20164662	2.8801078	21	11 27.6	19.9
181540 2006 UA_{181}	16.3	X	149.67513	291.77647	131.75820	7.22089	0.1022428	0.23317078	2.6142872	21	4 15.1	20.2
181541 2006 UK_{188}	15.8	X	85.94655	169.68027	304.34578	12.65896	0.1191706	0.23120539	2.6290817	21	3 24.2	19.4
181542 2006 UM_{189}	15.9	X	82.44314	179.71681	294.74347	10.01237	0.1170460	0.22985350	2.6393803	21	3 21.1	19.4
181543 2006 UZ_{189}	15.9	X	42.98137	110.76759	334.28703	8.68474	0.0974436	0.21783551	2.7355853	21	—	—
181544 2006 UH_{191}	16.0	X	229.21174	71.76418	303.77792	8.65663	0.2365041	0.17513361	3.1639022	21	4 26.9	21.5
181545 2006 UX_{198}	16.1	X	230.96739	66.15523	53.20273	1.87903	0.0858531	0.18865057	3.0109068	21	9 20.1	20.5
181546 2006 US_{204}	16.2	X	113.02834	115.84934	325.01184	2.64617	0.0559593	0.22792433	2.6542527	21	3 14.8	19.8
181547 2006 UT_{217}	15.5	X	228.94446	8.97835	43.77667	7.07760	0.2209300	0.17736911	3.1372615	21	6 13.7	20.8
181548 2006 UG_{220}	16.3	X	143.48028	22.79859	12.18505	3.35872	0.1230579	0.22738258	2.6584669	21	3 3.7	20.2
181549 2006 US_{238}	16.9	X	181.64345	293.77553	306.93618	2.89315	0.0787216	0.27424298	2.3462757	21	—	—
181550 2006 UF_{251}	16.2	X	259.34729	149.58034	228.47610	2.32913	0.0932889	0.17969621	3.1101174	21	6 14.9	20.8
181551 2006 UC_{254}	16.2	X	41.93381	227.72575	221.05555	7.97341	0.0497819	0.21698961	2.7426902	21	—	—
181552 2006 UK_{266}	15.8	X	4.14384	190.16915	128.03108	1.58204	0.1518720	0.18969454	2.9998497	21	9 2.0	19.2
181553 2006 UB_{270}	15.6	X	321.10724	133.12129	51.11026	9.82025	0.1620926	0.21681651	2.7441498	21	—	—
181554 2006 UH_{273}	15.8	X	304.87530	159.18926	293.22415	4.12220	0.0563461	0.19790623	2.9162835	21	11 24.1	19.5
181555 2006 US_{273}	16.4	X	323.95567	219.86026	334.41706	1.84731	0.0318287	0.22017652	2.7161602	21	1 18.2	19.9
181556 2006 UR_{275}	17.1	X	190.38541	181.06380	30.33748	3.05881	0.1434577	0.27067864	2.3668281	21	12 3.2	20.4
181557 2006 UJ_{282}	16.1	X	250.11442	309.09556	161.86754	1.29893	0.1189714	0.19000532	2.9965776	21	9 27.1	20.3
181558 2006 UT_{282}	16.5	X	12.53706	236.04666	238.02060	4.02922	0.1195951	0.21524717	2.7574718	21	—	—
181559 2006 US_{284}	15.9	X	301.91927	46.14826	226.51916	5.81903	0.1304965	0.23624151	2.5915837	21	3 11.0	19.4
181560 2006 UY_{284}	16.7	X	355.90738	15.67427	64.65562	2.97939	0.0482826	0.20440101	2.8541756	21	—	—
181561 2006 UX_{286}	16.3	X	297.85238	207.20607	127.43033	1.43672	0.1671574	0.24653644	2.5189254	21	5 24.7	19.5
181562 Paulrosendall	16.5	X	70.66335	235.99720	65.79302	7.35305	0.1111767	0.26249724	2.4157550	21	11 23.8	19.6
181563 2006 UQ_{329}	15.9	X	315.54846	87.57396	354.82092	8.81940	0.0827747	0.19845680	2.9108873	21	11 23.5	19.6
181564 2006 UJ_{331}	15.5	X	191.94987	296.09821	181.11398	16.44278	0.1624239	0.17865058	3.1222411	21	7 30.3	20.9
181565 2006 VQ_{5}	16.3	X	262.44988	103.91630	200.77358	0.91562	0.1206666	0.23301965	2.6154174	21	3 9.9	20.1
181566 2006 VT_{8}	15.4	X	187.44584	41.99977	72.10994	10.76170	0.0290722	0.17851413	3.1238319	21	7 30.5	20.0
181567 2006 VA_{9}	15.7	X	228.93354	251.34796	235.08715	10.34697	0.1038679	0.19021691	2.9943551	21	9 19.7	20.4
181568 2006 VP_{20}	16.0	X	185.90366	49.09997	43.30236	3.05636	0.0850796	0.17493917	3.1662461	21	6 28.2	20.8
181569 Leetyphoon	16.1	X	135.12096	238.89424	5.96901	1.80660	0.0946574	0.19539073	2.9412600	21	11 10.5	20.7
181570 2006 VZ_{21}	17.4	X	4.63724	310.76151	289.15623	2.60785	0.1170964	0.30814904	2.1708451	21	4 29.3	19.0
181571 2006 VT_{23}	16.5	X	136.59319	231.22203	85.63525	2.81274	0.0846953	0.21104717	2.7939354	21	—	—
181572 2006 VF_{27}	15.9	X	230.61489	330.79669	61.18560	1.94032	0.1683522	0.17421064	3.1750672	21	5 25.3	21.1
181573 2006 VN_{45}	15.9	X	319.86113	281.85724	77.49000	9.62074	0.1404407	0.18719691	3.0264739	21	8 10.9	19.6
181574 2006 VL_{50}	16.5	X	141.42675	78.04004	261.65353	3.48506	0.0764020	0.21384008	2.7695549	21	—	—
181575 2006 VX_{56}	16.5	X	149.03116	157.28520	216.84362	5.16053	0.0506540	0.22207746	2.7006381	21	2 1.7	20.4
181576 2006 VC_{57}	16.7	X	304.77284	14.60524	185.42299	2.54236	0.1277474	0.21590201	2.7518933	21	—	—
181577 2006 VV_{64}	16.5	X	154.94064	153.73810	200.19421	1.62295	0.0235583	0.21850568	2.7299890	21	1 13.5	20.3
181578 2006 VS_{72}	15.0	X	94.59870	352.84244	246.08244	8.46366	0.0219650	0.18478244	3.0527805	21	9 7.1	19.5
181579 2006 VL_{73}	16.2	X	118.03454	28.24790	244.57241	6.09328	0.0971798	0.26455944	2.4031850	21	12 7.9	19.7
181580 2006 VP_{77}	16.2	X	321.05551	72.48397	87.74713	5.44915	0.0152023	0.21390444	2.7689993	21	—	—
181581 2006 VR_{87}	16.8	X	129.15836	333.64467	4.21996	5.78149	0.1761777	0.28248959	2.3003879	21	—	—
181582 2006 VS_{101}	16.3	X	18.67395	42.23089	83.75765	4.29932	0.0450159	0.21691777	2.7432957	21	1 3.7	19.8
181583 2006 VH_{108}	15.6	X	38.52891	184.26454	52.88222	16.44076	0.1320150	0.24558658	2.5254162	21	7 11.6	18.6
181584 2006 VT_{113}	15.5	X	329.13704	276.45591	27.66959	4.84145	0.2206100	0.24468826	2.5315934	21	5 22.6	18.0
181585 2006 VZ_{124}	16.4	X	329.73946	57.53942	18.65849	1.78811	0.0583264	0.19887222	2.9068322	21	12 9.4	20.1
181586 2006 VU_{128}	16.1	X	203.84113	3.43739	345.93153	4.03716	0.1320805	0.23004458	2.6379185	21	3 7.1	20.0
181587 2006 VR_{134}	16.4	X	157.44026	209.42182	69.16851	7.49152	0.0828012	0.27321795	2.3521403	21	—	—
181588 2006 VW_{136}	16.8	X	161.70945	232.96477	59.80834	1.96569	0.0838569	0.20920809	2.8102852	21	—	—
181589 2006 VL_{138}	15.5	X	178.18626	339.87988	44.02915	7.96088	0.2351283	0.22955383	2.6416768	21	3 31.7	20.0
181590 2006 VU_{138}	15.5	X	21.96930	186.88793	89.31961	2.07234	0.1466152	0.18045898	3.1013472	21	8 6.2	19.0
181591 2006 VS_{145}	15.3	X	233.00238	92.23543	342.80416	10.84271	0.0478690	0.18177845	3.0863211	21	8 3.5	19.9
181592 2006 VW_{146}	15.9	X	58.99797	200.98864	84.45454	10.69798	0.1295748	0.25797394	2.4439116	21	10 25.5	19.2
181593 2006 VZ_{149}	15.8	X	261.66919	110.12419	75.70522	5.43879	0.0121958	0.20991890	2.8039377	21	—	—
181594 2006 VE_{154}	15.3	X	34.66357	217.20109	27.06348	9.64152	0.0410916	0.17803075	3.1294837	21	7 4.3	19.7
181595 2006 VE_{168}	17.6	X	241.89924	44.70242	150.54066	1.52173	0.1194687	0.27387757	2.3483622	21	—	—
181596 2006 WJ_{2}	15.8	X	284.17486	49.40602	59.23797	18.11768	0.2350433	0.19680805	2.9271219	21	10 28.1	19.5
181597 2006 WU_{5}	16.4	X	48.61253	312.94482	109.70901	4.79209	0.0625821	0.21171979	2.7880148	21	—	—
181598 2006 WQ_{21}	15.2	X	20.63641	170.63290	91.55490	9.96591	0.0300938	0.17488421	3.1669095	21	7 6.6	19.4
181599 2006 WC_{25}	16.0	X	352.51848	57.56387	113.98949	6.26783	0.0528327	0.21879178	2.7276086	21	1 24.8	19.6
181600 2006 WN_{34}	15.8	X	251.17768	105.99177	83.10953	10.21311	0.0717327	0.20467270	2.8516493	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
181601 2006 WA_{39}	16.7	X	197.64678	164.26258	128.49735	2.19033	0.0575647	0.21525760	2.7573827	21	—	—
181602 2006 WO_{39}	17.4	X	270.96932	126.44281	122.18046	2.65502	0.1145713	0.28716493	2.2753512	21	—	—
181603 2006 WL_{42}	16.2	X	16.71780	6.53039	161.13180	5.00488	0.1195542	0.22226814	2.6990934	21	2 18.8	19.1
181604 2006 WE_{44}	17.4	X	267.61347	104.69951	132.09171	3.48334	0.0904007	0.28553532	2.2840003	21	—	—
181605 2006 WY_{48}	15.5	X	237.24487	105.38224	95.12505	6.89807	0.1244392	0.20254020	2.8716305	21	12 31.7	19.6
181606 2006 WY_{51}	16.5	X	7.25734	152.14915	50.90334	4.81750	0.1493336	0.22689803	2.6622504	21	3 23.4	19.2
181607 2006 WG_{60}	15.7	X	311.64080	21.41789	124.55132	6.24539	0.0961589	0.20681143	2.8319550	21	—	—
181608 2006 WT_{93}	16.0	X	179.84232	215.02164	84.67836	6.77237	0.0458812	0.21412355	2.7671100	21	—	—
181609 2006 WB_{98}	16.1	X	128.94723	142.44846	69.76053	2.59468	0.0949899	0.18515631	3.0486697	21	9 26.6	20.7
181610 2006 WW_{100}	15.7	X	333.82054	154.63115	273.84065	8.26916	0.0245827	0.19923914	2.9032623	21	12 5.1	19.5
181611 2006 WJ_{103}	17.2	X	322.15342	90.41675	249.07770	1.37880	0.0641096	0.24728880	2.5138137	21	7 25.1	19.9
181612 2006 WM_{105}	16.0	X	337.73435	275.02670	227.72735	3.25513	0.0466981	0.21108692	2.7935847	21	—	—
181613 2006 WC_{106}	16.6	X	105.81899	172.35683	77.49159	3.15624	0.1798644	0.25664099	2.4523664	21	11 1.7	20.5
181614 2006 WL_{109}	16.4	X	260.89485	150.98347	84.94194	1.83089	0.0175531	0.21384135	2.7695439	21	—	—
181615 2006 WN_{113}	16.0	X	273.39830	229.87630	89.82841	6.15176	0.0313460	0.23527212	2.5986976	21	4 25.3	19.6
181616 2006 WX_{129}	16.4	X	176.33891	204.10459	150.14675	5.61985	0.3042279	0.22734738	2.6587413	21	2 24.1	21.3
181617 2006 WL_{141}	15.8	X	190.63443	359.09487	212.79734	7.41791	0.0336424	0.19883000	2.9072437	21	12 2.8	19.9
181618 2006 WX_{149}	15.4	X	291.72092	30.82739	74.01348	5.03550	0.1815529	0.12670872	3.9258320	21	10 26.8	20.5
181619 2006 WZ_{160}	16.5	X	261.12283	241.05569	80.57479	5.54852	0.0849812	0.23515649	2.5995494	21	4 5.6	20.3
181620 2006 WA_{167}	16.7	X	143.17842	100.57895	226.02985	3.05341	0.0996441	0.21252978	2.7809266	21	—	—
181621 2006 WC_{173}	16.2	X	186.52126	305.82460	85.01969	3.40936	0.0989974	0.23070120	2.6329108	21	4 11.4	20.1
181622 2006 WX_{185}	15.6	X	266.74064	101.04669	346.44365	9.81190	0.0804246	0.19026950	2.9938033	21	9 21.9	19.8
181623 2006 WO_{190}	15.3	X	284.35286	176.79526	182.77772	9.43922	0.0637095	0.17757575	3.1348272	21	6 26.6	19.8
181624 2006 WO_{191}	16.7	X	186.71600	230.38036	83.51940	6.13326	0.1503486	0.28755423	2.2732972	21	—	—
181625 2006 WD_{193}	15.8	X	269.89418	209.31010	156.74419	1.76211	0.1158340	0.17489689	3.1667565	21	6 9.6	20.3
181626 2006 XY_{5}	15.3	X	300.03946	30.37229	4.68070	8.56392	0.1912853	0.18666236	3.0322492	21	8 19.2	19.1
181627 Philgeluck	16.9	X	132.90600	226.71696	58.65300	2.04563	0.0789649	0.27115161	2.3640751	21	—	—
181628 2006 XJ_{7}	16.0	X	45.56797	297.30097	70.04869	7.14928	0.1321906	0.19971159	2.8986817	21	—	—
181629 2006 XK_{8}	15.0	X	221.22019	25.98104	81.22766	9.80584	0.0391534	0.18003463	3.1062186	21	9 1.8	19.6
181630 2006 XA_{10}	16.2	X	68.31105	24.72545	277.24506	6.32304	0.1169186	0.25680439	2.4513261	21	11 19.8	19.6
181631 2006 XJ_{11}	16.3	X	131.02905	142.43009	54.39717	1.59112	0.0925250	0.18396688	3.0617963	21	9 9.2	20.9
181632 2006 XP_{13}	16.0	X	93.24250	20.49883	287.47743	0.92133	0.0550540	0.19701693	2.9250526	21	12 9.4	20.3
181633 2006 XZ_{17}	15.2	X	299.55403	106.92100	3.27049	2.51060	0.1727620	0.12463784	3.9691980	21	11 11.7	20.4
181634 2006 XW_{20}	16.0	X	22.24066	52.07383	211.67335	8.05372	0.1147731	0.24333686	2.5409578	21	7 16.2	18.8
181635 2006 XK_{22}	15.9	X	296.56830	326.31010	238.51001	4.62754	0.0367254	0.21371083	2.7706715	21	—	—
181636 2006 XT_{25}	15.8	X	169.21505	199.56806	269.60581	3.71489	0.1007462	0.17144308	3.2091456	21	7 1.7	20.8
181637 2006 XC_{26}	15.8	X	229.06629	231.82939	167.22810	4.60984	0.1723698	0.17353196	3.1833403	21	6 1.9	21.0
181638 2006 XK_{33}	16.6	X	170.71351	72.56984	309.50033	5.16525	0.0633297	0.22406729	2.6846257	21	3 9.5	20.5
181639 2006 XR_{43}	16.2	X	125.45410	70.83634	331.12734	4.50277	0.1257969	0.21878725	2.7276463	21	2 20.7	20.0
181640 2006 XJ_{47}	15.3	X	19.44138	211.10824	108.89398	10.81800	0.0793030	0.18427739	3.0583559	21	9 28.2	19.4
181641 2006 XW_{48}	15.4	X	113.93530	95.16102	76.93221	11.47633	0.0886289	0.17357361	3.1828310	21	7 21.3	20.2
181642 2006 XU_{65}	15.7	X	221.00782	202.65316	205.34849	5.39043	0.1919558	0.17260579	3.1947176	21	6 4.1	21.0
181643 2006 YB_{5}	15.5	X	193.00859	59.73138	83.21667	9.87467	0.0109755	0.18537873	3.0462306	21	9 16.1	20.0
181644 2006 YV_{7}	15.1	X	197.45791	87.94078	43.57667	17.00929	0.0926522	0.17795562	3.1303645	21	9 5.8	20.2
181645 2006 YZ_{46}	15.7	X	351.75382	257.86741	107.18485	2.99232	0.1461141	0.19020853	2.9944430	21	10 14.7	19.0
181646 2007 AM_{16}	15.1	X	188.77259	95.31313	131.83128	10.97625	0.0638681	0.18874839	3.0098663	21	12 15.4	19.7
181647 2007 CT_{25}	15.1	X	265.68390	307.38538	217.01942	1.31502	0.1378087	0.12552954	3.9503790	21	12 5.9	20.5
181648 2007 EE_{1}	13.3	X	247.34233	132.47032	210.38485	3.22957	0.0300564	0.08447928	5.1440191	21	5 2.5	20.2
181649 2007 TO_{333}	17.1	X	286.18184	59.64524	327.90070	0.79997	0.1899449	0.27118666	2.3638713	21	7 18.4	19.7
181650 2007 UF_{33}	15.4	X	192.22277	13.43934	282.94564	12.84683	0.1296718	0.23909404	2.5709298	21	—	—
181651 2007 UT_{59}	16.2	X	86.61309	72.91856	233.13011	3.12313	0.0574214	0.21471251	2.7620475	21	12 3.0	19.9
181652 2007 VO_{11}	15.3	X	194.98627	284.01662	90.87612	14.10059	0.1679668	0.17789975	3.1310199	21	4 10.8	20.7
181653 2007 VM_{99}	15.6	X	197.54260	35.14215	261.31158	12.73667	0.0313741	0.23188810	2.6239189	21	—	—
181654 2007 VD_{166}	16.2	X	252.62071	146.73916	160.96633	1.44718	0.0976253	0.24628859	2.5206150	21	3 3.8	19.9
181655 2007 VZ_{189}	17.0	X	288.71014	304.53370	84.32312	4.22635	0.2156223	0.27091609	2.3654450	21	7 20.2	19.6
181656 2007 VM_{231}	16.0	X	128.95036	59.96071	248.43363	3.26937	0.0873880	0.22229945	2.6988399	21	—	—
181657 2007 VB_{263}	15.4	X	291.13124	270.95054	41.81562	9.69414	0.0975233	0.18341034	3.0679869	21	5 1.4	19.6
181658 2007 VZ_{268}	16.4	X	104.03263	331.96129	92.01478	7.37628	0.1091505	0.23737970	2.5832930	21	2 18.8	19.7
181659 2007 XW_{1}	16.1	X	306.76717	313.06073	78.77026	3.32335	0.0831304	0.20008435	2.8950804	21	9 9.4	19.7
181660 2007 YK_{45}	17.9	X	52.59746	329.69882	171.78286	0.97702	0.0632185	0.30681210	2.1771469	21	2 24.2	20.0
181661 2007 YO_{47}	15.5	X	197.88371	306.88155	127.95048	10.57701	0.0904364	0.17919937	3.1158633	21	6 19.4	20.4
181662 2007 YW_{55}	15.7	X	154.14388	41.32123	122.20182	12.93133	0.2025994	0.17999643	3.1066581	21	8 27.8	21.0
181663 2008 AW_{2}	16.2	X	173.15255	16.10156	132.68550	6.97327	0.0785383	0.25879351	2.4387492	21	8 29.6	19.6
181664 2008 AW_{16}	16.9	X	357.54868	202.59361	137.60995	5.28293	0.1421576	0.26439632	2.4041733	21	10 3.9	19.1
181665 2008 AG_{32}	12.6	X	3.57693	173.72091	102.12325	19.80405	0.0850507	0.08463715	5.1376208	21	7 1.8	19.0
181666 2008 AA_{33}	15.6	X	81.73210	31.41594	65.22454	13.78440	0.1582047	0.23270144	2.6178012	21	3 16.2	19.0
181667 2008 AU_{38}	16.5	X	118.83842	236.93780	177.41305	4.58717	0.3022636	0.23513076	2.5997390	21	3 21.0	20.4
181668 2008 AX_{44}	16.6	X	102.02868	340.96150	265.87095	0.37750	0.1590741	0.25896032	2.4377018	21	10 22.9	20.3
181669 2008 AE_{62}	15.8	X	5.33035	182.30962	305.96116	12.11330	0.0594075	0.22077876	2.7112185	21	—	—
181670 Kengyun	15.0	X	342.42794	140.24332	138.97221	11.47902	0.0310789	0.17364993	3.1818984	21	6 7.8	19.5
181671 2008 BO_{22}	16.2	X	147.28615	16.85784	323.97784	5.11239	0.0350476	0.21558673	2.7545756	21	—	—
181672 2008 BV_{23}	17.2	X	87.23780	271.65404	122.37543	5.90074	0.0652727	0.29396981	2.2401008	21	—	—
181673 2008 BM_{32}	15.3	X	272.21409	262.77798	123.71858	11.57766	0.1263144	0.18234206	3.0799581	21	7 6.7	19.6
181674 2008 CF_{52}	17.3	X	232.09831	200.23163	333.85443	4.18990	0.0851712	0.27754129	2.3276499	21	12 12.9	20.1
181675 2008 CC_{70}	13.8	X	233.32622	357.67633	168.89839	9.13823	0.1313972	0.12414423	3.9797125	21	11 6.7	19.7
181676 2213 $P–L$	16.9	X	157.21994	175.30755	238.19066	3.09335	0.2559130	0.23546700	2.5972635	21	4 17.1	21.2
181677 2617 $P–L$	17.0	X	17.71275	240.36245	155.16815	2.09149	0.1992552	0.27737026	2.3286066	21	—	—
181678 2667 $P–L$	17.2	X	293.74793	21.80968	6.06133	2.32413	0.2175538	0.27332497	2.3515263	21	7 27.0	19.5
181679 2724 $P–L$	16.9	X	43.18407	206.69942	169.10707	5.95468	0.2255618	0.27793374	2.3254582	21	—	—
181680 4290 $P–L$	17.1	X	110.46645	356.95976	341.19605	3.71633	0.1612805	0.27972845	2.3155009	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
181681 4746 P–L	16.4	X	285.33996	329.85155	4.74465	6.34308	0.1350087	0.23896949	2.5718230	21	5 10.6	19.9
181682 4786 P–L	16.3	X	229.44463	237.37648	146.48610	2.04342	0.1137907	0.23822621	2.5771697	21	5 15.6	20.2
181683 4803 P–L	17.1	X	277.39316	348.47734	21.30086	1.66091	0.1856101	0.25604725	2.4561561	21	6 10.9	20.4
181684 6330 P–L	16.3	X	206.36634	49.65698	345.90747	8.29180	0.1253299	0.23758804	2.5817826	21	5 2.3	20.5
181685 6645 P–L	16.1	X	358.24866	340.69378	18.82645	9.30095	0.2365139	0.25940322	2.4349262	21	11 10.4	18.1
181686 6712 P–L	15.7	X	245.50406	189.67776	180.77357	13.04576	0.1702027	0.23865134	2.5741082	21	5 12.2	19.8
181687 9568 P–L	15.5	X	244.16275	351.42436	34.11777	7.71975	0.3520335	0.23909226	2.5709425	21	5 12.9	20.2
181688 2331 T–2	17.5	X	301.54162	233.75041	174.03537	0.73947	0.2192095	0.26623096	2.3931156	21	9 9.6	19.6
181689 3093 T–2	15.3	X	65.45674	308.90975	9.18835	10.81114	0.1054174	0.18771853	3.0208648	21	11 21.7	19.8
181690 3174 T–2	16.7	X	190.54306	12.09226	32.92588	5.91717	0.2795274	0.23958950	2.5673842	21	5 2.4	21.3
181691 4089 T–2	16.2	X	262.35993	246.87093	136.03972	3.65152	0.2175320	0.24290784	2.5439488	21	6 7.8	19.9
181692 4621 T–2	16.3	X	130.45917	301.34866	24.57691	8.18313	0.1324576	0.27389120	2.3482842	21	—	—
181693 5096 T–2	15.7	X	242.88756	38.20878	340.88743	16.12853	0.2174433	0.24156628	2.5533587	21	5 7.4	20.2
181694 1049 T–3	15.9	X	33.56420	42.74587	351.82320	14.87532	0.1501762	0.20555424	2.8434903	21	—	—
181695 3007 T–3	16.1	X	214.43905	349.24046	69.13546	1.79189	0.1353388	0.24063583	2.5599364	21	6 11.7	20.0
181696 3113 T–3	16.4	X	106.21891	327.54154	21.75174	8.35820	0.2293918	0.27585422	2.3371305	21	—	—
181697 5185 T–3	15.3	X	220.93937	235.08280	132.34557	8.37954	0.1878267	0.17227456	3.1988113	21	4 20.0	20.7
181698 5684 T–3	17.1	X	260.34948	218.58396	107.60218	5.23408	0.2375431	0.30724334	2.1751092	21	3 19.9	20.5
181699 5701 T–3	14.8	X	24.72931	237.23782	79.53589	10.40130	0.0604006	0.17829812	3.1263544	21	9 29.5	19.1
181700 1981 EG_2	15.8	X	315.44702	244.70565	236.87299	9.52657	0.1996873	0.21472872	2.7619085	21	—	—
181701 1981 EP_{34}	16.1	X	27.28439	252.44545	225.10977	8.26141	0.1901136	0.21903708	2.7255718	21	—	—
181702 Forcalquier	16.6	X	71.24547	173.82817	161.77223	5.08185	0.2483585	0.27556811	2.3387479	21	—	—
181703 1988 TS	14.8	X	125.27007	126.98651	207.57912	13.99729	0.3833624	0.18887247	3.0085480	21	1 4.2	19.9
181704 1989 NA	15.9	X	153.57631	202.11069	96.91313	14.16248	0.4537682	0.22940534	2.6428167	21	—	—
181705 1989 RY	15.5	X	266.67740	141.53899	232.32183	5.74146	0.3191257	0.24175847	2.5520054	21	5 19.9	19.5
181706 1991 UY_3	15.6	X	217.98459	179.68673	211.85525	3.52883	0.2506481	0.25258740	2.4785342	21	5 6.7	19.7
181707 1992 EN_6	15.1	X	111.83356	48.76562	141.68350	17.71531	0.0702429	0.18007242	3.1057840	21	8 7.4	19.6
181708 1993 FW	6.8	X	351.77866	46.96082	187.98174	7.76029	0.0489137	0.00340699	43.7410005	21	5 7.4	23.0
181709 1993 FD_{32}	15.8	X	236.16582	157.81870	52.34325	6.12082	0.0445116	0.19890883	2.9064755	21	—	—
181710 1993 SO_8	16.1	X	297.30607	334.97832	6.85656	13.41120	0.2794297	0.24105565	2.5569634	21	5 10.9	19.7
181711 1993 SC_9	16.5	X	221.02359	200.69534	193.84823	1.54700	0.2053131	0.23686591	2.5870273	21	5 15.5	20.9
181712 1993 TQ_{16}	15.3	X	263.49472	324.73668	22.62707	18.71317	0.2419922	0.23766395	2.5812328	21	4 19.6	19.4
181713 1993 TL_{27}	15.8	X	270.06416	315.36432	33.14564	12.91642	0.1930371	0.23794110	2.5792280	21	5 3.4	19.7
181714 1993 TM_{27}	15.3	X	51.25914	105.03034	188.74432	14.43523	0.2463724	0.17720348	3.1392161	21	10 29.0	19.6
181715 1993 TO_{34}	17.0	X	280.25852	212.60764	134.22248	4.15948	0.1891589	0.30964115	2.1638655	21	5 11.7	19.7
181716 1994 BG_2	16.0	X	101.43831	352.62378	120.02761	4.91765	0.0824185	0.22515743	2.6759533	21	4 17.9	19.5
181717 1994 GD_6	15.4	X	270.66670	356.21337	17.94254	9.83975	0.0751682	0.18968644	2.9999350	21	6 26.5	19.7
181718 1994 ST_8	16.7	X	122.23142	230.31273	182.63464	1.59655	0.1848674	0.23687029	2.5869954	21	3 7.8	20.1
181719 1994 UX_3	17.5	X	154.66561	353.22828	22.41596	0.86772	0.1942172	0.23617848	2.5920448	21	2 24.5	21.6
181720 1994 YX_3	16.5	X	358.72633	163.43001	292.93643	3.77028	0.0283025	0.22177402	2.7031010	21	—	—
181721 1995 BT_{10}	17.6	X	33.37319	149.33636	109.51524	4.23313	0.1607546	0.31291736	2.1487354	21	8 12.9	19.3
181722 1995 CU	16.2	X	185.28612	47.67472	51.81477	5.86832	0.2176329	0.24049528	2.5609337	21	7 5.5	20.5
181723 1995 DY_6	17.0	X	333.30670	166.70375	111.97211	1.92120	0.0800114	0.23241625	2.6199423	21	5 15.4	20.2
181724 1995 FX_{11}	17.3	X	307.88907	281.18186	12.55280	5.07213	0.2095257	0.30328914	2.1939740	21	3 28.9	19.6
181725 1995 FO_{20}	15.7	X	0.02452	210.18713	26.40644	13.81030	0.2051180	0.22840742	2.6505088	21	4 19.7	17.9
181726 1995 MY_6	16.5	X	257.85413	122.35122	172.60113	8.32934	0.1137396	0.22039207	2.7143889	21	2 22.6	20.7
181727 1995 QB_{14}	15.5	X	262.92531	244.62115	191.93220	15.92042	0.2046263	0.18468913	3.0538087	21	8 13.9	20.3
181728 1995 ST_{10}	16.7	X	165.78586	287.82816	8.32599	6.53945	0.1268517	0.27861859	2.3216459	21	—	—
181729 1995 SP_{16}	15.2	X	244.95961	45.49135	353.18149	10.12039	0.0219112	0.18342971	3.0677709	21	7 4.5	19.7
181730 1995 SN_{49}	16.9	X	311.03247	150.92651	210.37592	0.94371	0.1114159	0.18660223	3.0329005	21	7 30.2	20.7
181731 1995 SD_{60}	16.3	X	227.38602	266.85319	202.36084	4.87420	0.1997148	0.18298749	3.0727115	21	8 20.5	21.3
181732 1995 SM_{67}	16.0	X	177.75343	81.11221	331.24851	2.49573	0.0594002	0.17793365	3.1306222	21	4 29.4	20.6
181733 1995 TL_4	17.3	X	157.27489	51.39818	210.06752	1.97778	0.0542639	0.27281177	2.3544745	21	—	—
181734 1995 UQ_6	16.7	X	85.01834	262.03058	115.47651	3.13108	0.1681507	0.27738962	2.3284982	21	—	—
181735 1995 UX_{16}	17.2	X	61.33990	207.89274	152.23747	2.81502	0.1966672	0.27201294	2.3590818	21	—	—
181736 1995 US_{21}	15.7	X	344.70856	294.02321	8.98649	2.34596	0.0623539	0.18215045	3.0821177	21	7 9.1	19.6
181737 1995 UQ_{43}	17.3	X	316.31893	220.01291	165.18613	2.57331	0.2146508	0.26267602	2.4146587	21	9 6.3	19.0
181738 1995 UD_{50}	16.6	X	331.21445	114.40347	350.51727	1.36587	0.0727681	0.19651716	2.9300097	21	—	—
181739 1995 UA_{78}	15.9	X	192.36638	108.05063	202.07706	8.71576	0.1129779	0.20641124	2.8356143	21	1 9.8	20.5
181740 1995 VX_8	15.9	X	316.46481	171.51478	217.93622	0.83514	0.0961147	0.18477804	3.0528290	21	9 15.9	19.6
181741 1995 VG_{15}	16.1	X	264.67668	359.52254	56.40348	2.72514	0.0480765	0.18135223	3.0911550	21	8 16.8	20.3
181742 1995 WL_{15}	16.1	X	286.41477	175.45453	223.90742	3.29013	0.1547192	0.18416592	3.0595898	21	8 5.7	20.1
181743 1995 XJ_4	16.7	X	226.93482	300.05877	156.21110	3.85168	0.1746798	0.17918718	3.1160046	21	8 7.4	21.6
181744 1995 YT_8	17.5	X	274.68107	356.05665	87.25752	2.12305	0.1850123	0.26164927	2.4209716	21	9 21.8	20.3
181745 1995 YY_{18}	16.6	X	124.18156	208.36237	112.08936	7.39740	0.0941267	0.26688336	2.3892140	21	—	—
181746 1996 AR_{10}	17.2	X	322.61153	234.15109	158.07329	2.29290	0.1865712	0.25922032	2.4360714	21	10 6.8	19.0
181747 1996 BV_{13}	15.0	X	77.58986	107.54056	97.08263	6.25375	0.1064156	0.16895110	3.2406244	21	7 20.0	19.5
181748 1996 DC_2	16.9	X	201.14840	307.24993	185.43864	29.67729	0.0617300	0.40706299	1.8031353	21	9 24.2	18.3
181749 1996 EX_8	15.4	X	313.16064	251.88823	141.09441	5.85168	0.1597002	0.17664603	3.1458171	21	9 8.9	19.1
181750 1996 FL_{14}	16.6	X	294.53856	118.42848	149.76974	4.17083	0.1542008	0.23395077	2.6084733	21	2 23.9	20.4
181751 Phaenops	12.8	X	51.92263	157.73553	45.70762	15.97151	0.0923477	0.08270356	5.2173893	21	6 11.4	19.5
181752 1996 JZ_6	17.1	X	60.79074	147.08565	97.25786	3.09247	0.1408161	0.24322862	2.5417116	21	8 29.0	20.2
181753 1996 RM_{19}	15.8	X	313.50851	146.86115	159.09796	14.90786	0.1396530	0.22996566	2.6385220	21	5 17.6	19.3
181754 1996 RW_{25}	16.3	X	158.34890	171.39245	179.48887	8.59802	0.2641165	0.21574583	2.7532212	21	2 4.3	21.1
181755 1996 TV_{17}	16.3	X	233.21379	316.46562	21.74892	5.45316	0.1681597	0.22061418	2.7125668	21	3 21.7	20.6
181756 1996 TO_{27}	16.0	X	110.90355	230.01441	128.56339	4.56668	0.1044170	0.20946578	2.8079799	21	—	—
181757 1996 TL_{30}	16.4	X	201.70000	290.91765	48.19491	2.47455	0.0606466	0.21579072	2.7528394	21	2 22.7	20.5
181758 1996 TQ_{32}	16.2	X	231.83515	81.43669	228.55822	7.99685	0.0445120	0.21961524	2.7207861	21	2 15.4	20.2
181759 1996 TX_{50}	17.2	X	322.89724	347.75292	315.08830	3.61956	0.2114281	0.30972348	2.1634820	21	5 2.3	19.2
181760 1996 TJ_{67}	15.9	X	330.83941	100.77872	39.35878	2.66057	0.0113351	0.20734881	2.8270599	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
181761 1996 VR_2	15.5	X	198.78157	287.46125	46.80817	10.11027	0.1717614	0.21568053	2.7537769	21	2 19.4	20.2
181762 1996 VX_{17}	17.8	X	197.50863	125.82153	178.66340	1.46946	0.0158360	0.29040140	2.2584141	21	—	—
181763 1996 VR_{25}	17.1	X	228.08972	220.16704	184.49563	0.82482	0.1765744	0.26505529	2.4001869	21	6 4.4	20.9
181764 1996 VH_{26}	15.7	X	73.89860	203.28326	96.97187	11.04680	0.0801912	0.19667875	2.9284047	21	11 14.2	20.0
181765 1996 XL_7	16.4	X	274.52631	282.98594	140.84063	3.35039	0.0562673	0.19039448	2.9924930	21	9 7.6	20.4
181766 1997 AW_{14}	17.2	X	309.57193	42.18859	115.91079	3.88395	0.1698173	0.28013354	2.3132681	21	—	—
181767 1997 CG_7	15.5	X	345.00925	46.62281	310.83996	10.33185	0.0738849	0.18634896	3.0356480	21	9 14.9	19.5
181768 1997 CQ_{15}	16.3	X	201.03106	330.29465	150.51948	1.19297	0.1561408	0.18035525	3.1025361	21	8 14.8	21.1
181769 1997 CR_{25}	16.3	X	203.67548	37.93771	25.10556	3.30288	0.1023273	0.17746803	3.1360956	21	6 9.4	21.1
181770 1997 EF_{57}	17.1	X	223.76752	214.88565	19.76424	4.46999	0.2299097	0.27206384	2.3587876	21	—	—
181771 1997 GG_3	16.2	X	319.06409	303.24251	18.77503	3.48820	0.3629520	0.33040890	2.0722154	21	4 25.4	18.4
181772 1997 LS_2	16.3	X	279.62461	172.34449	163.26525	13.81252	0.1856116	0.23880237	2.5730228	21	5 3.4	20.2
181773 1997 LH_5	13.2	X	319.14204	193.05467	119.16790	12.18149	0.0724262	0.08441523	5.1466208	21	6 15.9	19.8
181774 1997 LK_{10}	14.6	X	154.23187	131.90141	65.55364	18.96331	0.1160411	0.17827433	3.1266326	21	10 12.4	19.8
181775 1997 TW_1	16.4	X	341.91168	299.28926	7.05144	12.03732	0.3164818	0.24236655	2.5477351	21	6 8.8	18.4
181776 1997 TM_6	16.6	X	144.53721	343.18214	107.51346	3.61015	0.0338292	0.23253296	2.6190656	21	5 5.7	20.2
181777 1997 TN_9	16.6	X	77.94433	205.65379	217.99148	4.05466	0.1024496	0.21996167	2.7179286	21	1 11.0	19.9
181778 1997 UN_5	14.5	X	292.32373	94.34123	33.00145	9.95595	0.1850107	0.12557623	3.9493997	21	11 19.2	19.7
181779 1997 US_{18}	15.9	X	212.06190	156.30502	215.56527	11.36109	0.2048693	0.23029323	2.6360194	21	4 8.9	20.3
181780 1997 WH_6	17.6	X	352.63420	293.66918	186.12485	2.09324	0.1657210	0.29674889	2.2260930	21	—	—
181781 1997 YG_4	15.8	X	12.17548	11.66566	94.18360	10.69248	0.1395034	0.21076752	2.7964062	21	—	—
181782 1998 AO_{11}	16.5	X	114.21115	169.35157	103.48634	4.01417	0.2379696	0.28302660	2.2974772	21	12 12.1	20.2
181783 1998 BV_{14}	16.5	X	13.44771	179.41563	86.98547	4.95467	0.2107376	0.30846076	2.1693824	21	7 14.7	17.5
181784 1998 BO_{20}	17.0	X	194.36311	115.47214	300.30596	4.09455	0.1359819	0.31111271	2.1570368	21	5 14.5	20.2
181785 1998 BK_{29}	15.8	X	250.76318	232.32236	313.39399	12.70653	0.1605900	0.20257455	2.8713059	21	12 26.2	19.8
181786 1998 BY_{38}	17.1	X	64.63068	111.06623	309.45203	1.89608	0.0947864	0.29587116	2.2304935	21	—	—
181787 1998 DF_{17}	16.0	X	297.23774	26.36348	210.60548	5.60260	0.0143584	0.21496432	2.7598901	21	2 8.2	19.8
181788 1998 DZ_{17}	17.5	X	38.22556	255.85550	146.08512	6.11895	0.1286944	0.28595893	2.2817441	21	—	—
181789 1998 DD_{23}	16.0	X	278.72355	249.32656	326.73786	2.78737	0.0376388	0.20953807	2.8073340	21	—	—
181790 1998 DD_{26}	15.8	X	117.70082	216.90446	110.84046	3.21032	0.0681737	0.20247511	2.8722459	21	—	—
181791 1998 EX_9	17.1	X	8.50202	46.34841	176.54865	4.51116	0.1215265	0.30165701	2.2018806	21	4 12.0	18.8
181792 1998 FD_{39}	16.3	X	275.83812	355.77714	185.58217	6.27123	0.2323511	0.20281691	2.8690180	21	—	—
181793 1998 HZ_4	16.9	X	1.39421	230.98895	7.70564	5.66842	0.0976476	0.30362911	2.1923360	21	4 22.5	18.9
181794 1998 HF_5	16.0	X	100.48961	286.13964	227.28015	4.60806	0.1273399	0.17759841	3.1345606	21	6 15.8	20.5
181795 1998 HU_{67}	16.9	X	165.03644	232.67382	338.20028	2.62275	0.1884562	0.27473322	2.3434837	21	11 5.9	20.6
181796 1998 HN_{122}	16.6	X	261.05293	141.10478	101.20169	8.23643	0.2112485	0.28751699	2.2734934	21	—	—
181797 1998 MR_2	15.8	X	117.04190	240.74258	106.44220	27.94509	0.4616263	0.23297680	2.6157382	21	1 15.7	19.8
181798 1998 MJ_{40}	15.6	X	207.14425	189.52645	132.20784	5.52228	0.2115185	0.24105182	2.5569904	21	2 4.7	20.0
181799 1998 OD_4	16.7	X	119.56187	77.01720	250.03300	2.14090	0.1866816	0.27335550	2.3513512	21	—	—
181800 1998 QZ_4	15.1	X	125.40307	82.96732	197.58572	9.10231	0.2797606	0.18382659	3.0633538	21	12 18.4	20.7
181801 1998 QD_{22}	16.9	X	36.08856	351.90356	9.57071	2.02564	0.2323747	0.26542341	2.3979672	21	—	—
181802 1998 QZ_{27}	15.1	X	105.31072	117.89455	170.99784	9.01325	0.1961765	0.18001845	3.1064048	21	12 9.3	20.3
181803 1998 QY_{73}	14.4	X	46.32601	99.99064	222.40457	12.94598	0.2422088	0.17634849	3.1493545	21	11 24.6	18.7
181804 1998 QO_{81}	14.9	X	53.73759	133.14751	174.45621	16.64079	0.2327215	0.17736131	3.1373535	21	11 16.9	19.6
181805 1998 QN_{88}	14.9	X	122.76639	79.39383	203.56212	13.71649	0.2106473	0.18235442	3.0798190	21	12 16.5	20.3
181806 1998 QT_{95}	16.5	X	174.80869	73.14594	224.83401	8.19371	0.1929639	0.27605551	2.3359942	21	—	—
181807 1998 QA_{97}	14.8	X	65.12044	20.83414	277.59236	8.69326	0.1958110	0.17702595	3.1413145	21	11 8.9	19.5
181808 1998 QY_{106}	16.7	X	171.15999	272.51642	68.22156	4.10194	0.1855279	0.27895237	2.3197936	21	1 22.0	20.2
181809 1998 RN_4	16.4	X	162.48418	312.83021	349.39241	13.48504	0.2541402	0.27432443	2.3458112	21	—	—
181810 1998 RP_{14}	17.5	X	145.35336	332.79899	357.69806	1.64725	0.2222695	0.27555317	2.3388324	21	—	—
181811 1998 RV_{14}	17.3	X	150.28168	64.01113	9.29820	3.34730	0.1903049	0.24011036	2.5636700	21	4 30.9	21.4
181812 1998 RH_{24}	17.1	X	123.08708	251.80957	90.91558	3.67500	0.2289733	0.27392959	2.3480649	21	—	—
181813 1998 RC_{33}	16.6	X	59.85259	196.15885	157.44081	6.95596	0.1359140	0.26692611	2.3889589	21	—	—
181814 1998 RS_{41}	16.2	X	104.07590	0.64659	337.33184	6.02672	0.1291279	0.27045914	2.3681086	21	—	—
181815 1998 RX_{43}	16.4	X	322.16691	3.97977	349.11994	8.36043	0.2507002	0.25487628	2.4636732	21	7 24.3	18.6
181816 1998 RD_{55}	16.5	X	89.98044	314.51514	359.08089	7.18786	0.1307887	0.26628602	2.3927857	21	—	—
181817 1998 RL_{58}	15.8	X	95.39711	338.84202	2.07180	1.96931	0.1578523	0.22609957	2.6685145	21	—	—
181818 1998 RX_{58}	16.6	X	27.19916	26.84390	322.95233	1.68749	0.2491625	0.26221861	2.4174660	21	12 22.4	19.3
181819 1998 RM_{66}	16.1	X	113.36770	102.53811	205.72519	5.99595	0.2227195	0.26867580	2.3785759	21	—	—
181820 1998 SM_2	16.8	X	30.36283	66.16353	27.01821	20.44368	0.1237367	0.35595986	1.9718265	21	—	—
181821 1998 SV_7	16.8	X	111.08993	254.10475	0.39775	5.19468	0.0848883	0.26186960	2.4196135	21	11 4.2	20.2
181822 1998 SQ_9	16.3	X	83.14787	264.52643	53.17902	4.95893	0.1760415	0.26519468	2.3993458	21	—	—
181823 1998 SK_{12}	16.3	X	113.36524	186.09570	182.94042	8.35225	0.2566434	0.27382712	2.3486506	21	—	—
181824 Königsleiten	16.9	X	33.19205	155.61078	226.96089	1.73307	0.1966058	0.26516498	2.3995250	21	—	—
181825 1998 SR_{39}	15.1	X	100.55250	87.42095	190.75373	13.34788	0.3431753	0.17902548	3.1178806	21	12 2.9	20.8
181826 1998 SP_{49}	16.8	X	195.89495	123.80555	188.51670	4.98102	0.3372014	0.27934550	2.3176166	21	1 14.7	21.2
181827 1998 SS_{50}	16.7	X	56.86507	319.17942	2.12361	2.61496	0.2279172	0.26203234	2.4186115	21	12 17.2	20.2
181828 1998 SU_{58}	16.5	X	119.69067	160.06835	177.47052	7.58941	0.2270913	0.27192686	2.3595796	21	—	—
181829 Houyunde	16.5	X	347.46192	217.06941	194.18878	6.38557	0.1210884	0.26205056	2.4184994	21	12 24.1	19.0
181830 1998 SG_{80}	15.7	X	87.16653	298.16019	348.18788	13.05725	0.1731432	0.26323292	2.4112519	21	11 24.9	19.6
181831 1998 SE_{84}	15.3	X	40.62234	137.88271	165.76721	4.86701	0.2400342	0.17357667	3.1827936	21	10 25.4	19.3
181832 1998 SZ_{87}	16.5	X	358.60573	23.28990	347.38758	4.67947	0.2210697	0.25994009	2.4315724	21	11 27.5	18.7
181833 1998 SW_{112}	16.6	X	32.73840	297.74649	35.98049	7.71523	0.2346517	0.26134900	2.4228256	21	12 4.9	19.6
181834 1998 SW_{116}	16.3	X	346.48049	39.73607	327.47570	5.93018	0.1194098	0.25724750	2.4485103	21	10 14.6	18.7
181835 1998 SU_{125}	16.3	X	84.36304	270.78781	50.17892	5.60067	0.2014944	0.26580832	2.3956516	21	—	—
181836 1998 SS_{149}	14.8	X	23.44752	140.77461	193.07917	13.95631	0.1084401	0.17320628	3.1873295	21	10 19.1	18.9
181837 1998 SF_{160}	14.4	X	34.10289	263.08633	61.90953	7.46779	0.1540840	0.17286597	3.1915113	21	10 30.2	18.5
181838 1998 SQ_{165}	15.0	X	19.32037	118.04633	205.90958	5.50334	0.0768380	0.17143450	3.2092526	21	9 24.9	19.1
181839 1998 TM_3	16.0	X	157.17464	274.79258	37.52767	13.01467	0.2887052	0.27415536	2.3467756	21	—	—
181840 1998 TS_{12}	16.7	X	115.85951	307.37347	33.21846	4.22953	0.1604938	0.26935438	2.3745794	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
181841 1998 TD_{14}	16.6	X	152.29553	232.89316	9.27529	2.86584	0.1426041	0.26404748	2.4062904	21	12 3.4	20.2
181842 1998 TF_{16}	16.5	X	158.17696	292.41938	2.91507	2.53628	0.1852586	0.27013750	2.3699879	21	—	—
181843 1998 TK_{20}	16.4	X	352.38911	184.54319	214.31265	2.22623	0.2006218	0.21667501	2.7453444	21	12 11.2	19.2
181844 1998 TG_{29}	16.4	X	165.18805	213.90035	24.84262	7.35388	0.0845494	0.26217300	2.4177464	21	12 13.7	19.9
181845 1998 TS_{31}	16.3	X	321.01294	229.40041	170.87804	6.89414	0.1766067	0.25656281	2.4528646	21	10 17.3	18.3
181846 1998 UG_{2}	16.7	X	343.23926	351.62789	359.53065	2.94158	0.2735642	0.25579064	2.4577985	21	9 19.3	17.8
181847 1998 UG_{10}	14.4	X	173.28014	201.73564	221.21483	15.13562	0.0969721	0.15368593	3.4518081	21	5 11.6	19.7
181848 1998 UT_{14}	16.5	X	94.40495	141.89594	199.44040	5.09600	0.1410686	0.26674011	2.3900693	21	—	—
181849 1998 UM_{17}	16.2	X	41.25418	316.56816	38.21303	7.47692	0.1330966	0.26165521	2.4209350	21	12 29.7	19.4
181850 1998 UA_{47}	16.4	X	130.99905	30.46047	233.63059	5.59489	0.1013082	0.26157292	2.4214427	21	12 10.1	20.0
181851 1998 UX_{48}	16.3	X	11.56171	320.99191	45.95926	7.03499	0.1648480	0.26079467	2.4262576	21	12 7.5	18.9
181852 1998 VF_{27}	16.5	X	77.94847	276.96933	78.57903	3.59570	0.1875831	0.26644972	2.3918056	21	—	—
181853 1998 WT_{11}	16.7	X	168.98569	237.41840	207.35521	5.36204	0.2491175	0.24032821	2.5621205	21	6 4.4	21.2
181854 1998 WT_{12}	16.9	X	163.14889	46.27673	28.94227	6.30384	0.2709584	0.23897161	2.5718078	21	5 18.4	21.4
181855 1998 WT_{31}	7.3	X	359.91686	40.56691	41.56051	28.67022	0.1804004	0.00317320	45.8639260	21	12 9.4	23.1
181856 1998 XV_{3}	15.7	X	231.75887	118.33093	277.83347	3.30150	0.2683180	0.24362074	2.5389835	21	5 22.1	20.1
181857 1998 XH_{6}	17.0	X	210.53683	238.90118	153.56325	1.76856	0.1059719	0.24086531	2.5583103	21	5 6.9	20.7
181858 1998 XE_{7}	16.8	X	132.16834	223.75543	97.93433	2.34072	0.1964950	0.26837402	2.3803587	21	—	—
181859 1998 XM_{10}	15.5	X	300.13080	311.26933	88.15729	7.91449	0.2081249	0.25211383	2.4816371	21	8 29.0	18.1
181860 1998 XU_{20}	15.7	X	264.64619	287.17945	114.74181	3.45500	0.2333495	0.24543935	2.5264260	21	7 3.0	19.4
181861 1998 XS_{33}	14.9	X	320.57093	315.55735	13.84372	2.65123	0.1752566	0.24667643	2.5179723	21	6 22.4	17.5
181862 1998 XF_{46}	15.4	X	258.87813	30.15301	359.61415	4.35045	0.1915519	0.24479233	2.5308759	21	6 15.4	19.1
181863 1998 XB_{100}	15.2	X	224.86834	64.22098	339.63569	13.22082	0.2977156	0.24334722	2.5408857	21	5 21.6	20.0
181864 1999 AQ_{9}	16.1	X	168.74441	196.57322	220.97541	3.27580	0.1802582	0.23491803	2.6013083	21	4 28.6	20.2
181865 1999 BP_{32}	16.4	X	31.11858	187.73183	113.60758	11.09005	0.2263621	0.24462612	2.5320221	21	10 21.8	19.4
181866 1999 CU_{12}	15.8	X	51.02152	164.84731	310.42249	10.55422	0.2405887	0.22373664	2.6872700	21	2 15.1	18.0
181867 1999 CV_{118}	7.4	X	37.99527	146.78939	305.73885	5.49763	0.2859661	0.00260018	52.3761079	21	2 24.4	23.7
181868 1999 CG_{119}	7.6	X	335.37283	256.83618	304.36016	16.72205	0.2879311	0.00285644	49.1948058	21	2 20.4	23.4
181869 1999 CA_{129}	15.6	X	116.80638	71.41258	57.99598	12.41478	0.1496483	0.23165347	2.6256904	21	6 3.9	19.5
181870 1999 CJ_{145}	15.9	X	127.64950	115.14418	320.72748	9.96812	0.0818709	0.22885682	2.6470378	21	3 26.4	19.8
181871 1999 CO_{153}	7.4	X	69.94798	155.16555	278.51529	0.80998	0.0829565	0.00344744	43.3982167	21	2 20.8	23.7
181872 1999 FL_{90}	15.9	X	263.77826	77.32494	176.48502	13.42010	0.1389453	0.21591220	2.7518067	21	1 8.4	20.4
181873 1999 GY_{12}	16.0	X	332.25669	324.48839	213.39633	11.72603	0.1020610	0.21539821	2.7561826	21	—	—
181874 1999 HW_{11}	7.0	X	46.08690	324.64711	198.48758	17.22540	0.2546857	0.00257448	52.7241195	21	5 17.2	23.6
181875 1999 JC_{131}	16.4	X	203.90059	116.56790	68.05126	5.72721	0.0758225	0.28703103	2.2760588	21	11 24.4	19.1
181876 1999 JC_{135}	16.0	X	318.16136	62.32474	150.79857	9.65529	0.1432598	0.21618619	2.7494812	21	1 18.0	19.7
181877 1999 LZ_{33}	17.1	X	303.02208	188.66315	129.62170	3.44359	0.2191647	0.31112821	2.1569651	21	4 25.8	19.6
181878 1999 OT	15.5	X	343.34572	205.53517	148.60755	13.33436	0.1538546	0.18057629	3.1000039	21	9 12.9	19.0
181879 1999 PE_{2}	16.9	X	213.42053	232.02898	142.73145	4.56557	0.1836976	0.30104251	2.2048760	21	4 11.9	20.3
181880 1999 PE_{7}	17.1	X	289.22760	211.07349	307.56954	1.83509	0.0948070	0.28717535	2.2752962	21	—	—
181881 1999 PB_{9}	17.1	X	354.64705	200.22724	153.94714	4.53916	0.2372735	0.27158486	2.3615602	21	11 1.7	18.7
181882 1999 RF_{14}	14.5	X	35.15683	91.37705	344.99575	20.82805	0.2819603	0.28317278	2.2966865	21	—	—
181883 1999 RO_{21}	16.6	X	43.57612	28.13568	355.74394	25.03540	0.2210528	0.27903721	2.3193234	21	—	—
181884 1999 RS_{28}	15.4	X	319.48981	191.64344	192.93786	17.45127	0.2157797	0.17734859	3.1375035	21	8 28.1	19.1
181885 1999 RK_{32}	17.0	X	137.08968	190.48530	171.97386	5.46971	0.2318579	0.28880164	2.2667465	21	1 15.8	20.1
181886 1999 RP_{32}	16.9	X	264.06806	333.15558	354.03812	2.21805	0.1985215	0.30222609	2.1991157	21	3 25.4	20.2
181887 1999 RB_{55}	16.8	X	120.18847	180.01445	191.37567	5.97799	0.1915196	0.28897083	2.2658616	21	—	—
181888 1999 RQ_{73}	17.3	X	143.76561	166.93310	187.20943	3.84486	0.2262589	0.28952030	2.2629938	21	1 11.9	20.3
181889 1999 RQ_{92}	16.2	X	220.46622	330.72705	1.50071	7.50840	0.2291853	0.29691395	2.2252679	21	2 23.4	20.0
181890 1999 RP_{96}	17.1	X	127.42784	350.20555	21.64494	1.08042	0.1971648	0.28801992	2.2708461	21	1 12.4	19.7
181891 1999 RD_{106}	16.5	X	233.05226	142.85253	219.88163	5.04805	0.1467727	0.30154818	2.2024104	21	4 13.7	19.8
181892 1999 RY_{145}	16.9	X	206.92682	152.42284	186.88893	6.17734	0.2130664	0.29682880	2.2256935	21	2 17.6	20.5
181893 1999 RC_{148}	17.2	X	37.57073	165.01729	216.23352	2.86577	0.2436932	0.27874610	2.3209379	21	—	—
181894 1999 RN_{153}	16.5	X	143.33175	166.99057	208.34492	6.65374	0.1508724	0.29180760	2.2511529	21	1 27.3	19.4
181895 1999 RM_{155}	17.0	X	271.74221	57.80787	262.87907	3.00496	0.1739293	0.30300597	2.1953407	21	3 25.6	20.2
181896 1999 RN_{161}	16.5	X	271.33453	170.44112	178.16910	4.86766	0.1182809	0.30590965	2.1814265	21	5 12.9	19.2
181897 1999 RK_{164}	16.7	X	270.22303	145.44897	189.47825	4.47266	0.1273415	0.30386812	2.1911862	21	4 20.2	19.4
181898 1999 RS_{168}	16.8	X	139.37556	184.38658	170.07715	6.42175	0.2664956	0.28892809	2.2660850	21	1 12.6	19.9
181899 1999 RM_{178}	16.6	X	163.80812	196.22361	153.00174	6.64993	0.1708142	0.29150290	2.2527213	21	1 20.2	19.8
181900 1999 RX_{212}	15.0	X	56.76310	149.31336	211.25640	12.83026	0.1300971	0.18833272	3.0142935	21	—	—
181901 1999 RP_{214}	17.1	X	203.08996	178.39953	143.90439	6.30139	0.2044009	0.29538184	2.2329561	21	1 25.4	20.8
181902 1999 RD_{215}	7.4	X	8.39650	138.13852	210.27462	25.90204	0.6987233	0.00070839	124.6290846	21	11 9.1	24.1
181903 1999 RE_{237}	16.2	X	14.47094	290.58706	139.28900	10.09141	0.1270315	0.28008403	2.3135407	21	—	—
181904 1999 RN_{254}	16.5	X	269.02054	302.30590	32.78797	4.11443	0.1680719	0.30456031	2.1878650	21	4 13.7	19.5
181905 1999 SR_{1}	17.0	X	270.45325	264.30575	43.84243	7.60798	0.1910971	0.29977485	2.2110874	21	3 11.9	20.3
181906 1999 SC_{4}	14.6	X	36.96366	318.37830	5.32541	9.35280	0.2278650	0.18212848	3.0823655	21	11 9.6	18.7
181907 1999 SC_{14}	16.7	X	240.97275	5.20381	306.10841	2.58014	0.1895602	0.29722208	2.2237297	21	2 12.8	20.3
181908 1999 SG_{19}	17.0	X	320.46319	85.14459	342.63708	6.43798	0.2138179	0.27256312	2.3559062	21	11 30.5	18.7
181909 1999 TX_{15}	15.7	X	284.82270	355.11820	15.78034	1.43908	0.0944150	0.17087914	3.2162022	21	7 7.9	20.0
181910 1999 TR_{34}	16.2	X	297.64677	55.81557	23.59874	21.09296	0.2071356	0.26971413	2.3724674	21	10 22.5	18.3
181911 1999 TQ_{39}	14.8	X	347.44698	291.89671	87.43406	11.29926	0.1758353	0.17828361	3.1265241	21	10 28.3	18.4
181912 1999 TP_{41}	17.3	X	191.75206	272.39275	216.24867	1.88411	0.1212399	0.26065296	2.4271369	21	8 19.9	20.9
181913 1999 TS_{44}	17.1	X	19.81353	222.78463	232.73102	3.87380	0.0876871	0.28262013	2.2996795	21	—	—
181914 1999 TZ_{46}	17.2	X	81.27094	7.56132	25.73385	3.44587	0.1675735	0.28408187	2.2917841	21	—	—
181915 1999 TY_{51}	15.1	X	112.53053	53.86207	220.07267	8.40172	0.0542320	0.18260349	3.0770177	21	11 18.2	19.6
181916 1999 TH_{53}	15.5	X	80.79088	330.90819	333.11380	3.15740	0.1828252	0.18426167	3.0585297	21	12 2.6	20.1
181917 1999 TP_{71}	16.1	X	70.92129	225.05859	25.67105	0.91030	0.1301196	0.17444820	3.1721842	21	9 11.6	20.6
181918 1999 TL_{74}	17.3	X	338.41848	287.93256	191.97773	3.41565	0.0916030	0.28277064	2.2988634	21	—	—
181919 1999 TZ_{76}	16.8	X	286.01551	291.85814	224.87886	4.39459	0.0998581	0.27720074	2.3295558	21	—	—
181920 1999 TN_{79}	15.8	X	30.66004	257.10403	55.74950	2.09416	0.0969920	0.17866946	3.1220211	21	10 2.2	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
181921 1999 TQ_{79}	15.8	X	123.50298	188.31593	29.98539	5.53787	0.0892415	0.17818855	3.1276359	21	9 27.5	20.5
181922 1999 TQ_{80}	17.4	X	333.55605	325.17446	114.54094	1.56086	0.1924969	0.27451755	2.3447109	21	—	—
181923 1999 TD_{105}	16.9	X	286.44535	140.34784	253.88621	3.44979	0.1992096	0.26397468	2.4067327	21	7 25.8	19.6
181924 1999 TW_{115}	16.2	X	223.29948	341.42916	358.01895	8.48078	0.2760428	0.25229927	2.4804209	21	3 8.9	20.5
181925 1999 TW_{117}	15.2	X	53.36323	88.22291	235.36469	7.40590	0.0373968	0.18227307	3.0807352	21	11 5.9	19.4
181926 1999 TT_{130}	17.0	X	348.70367	334.69174	278.18128	1.12788	0.1608731	0.30365562	2.1922084	21	4 12.9	18.8
181927 1999 TM_{133}	15.9	X	16.38851	92.27692	279.36780	1.47687	0.1009601	0.18289935	3.0736986	21	11 24.9	19.7
181928 1999 TE_{134}	16.7	X	207.25582	299.76827	1.44824	6.40192	0.1847809	0.29110861	2.2547550	21	1 4.3	20.3
181929 1999 TR_{134}	15.3	X	75.87177	103.46664	201.50733	11.24422	0.1275489	0.18359415	3.0659389	21	11 23.9	19.9
181930 1999 TD_{136}	14.4	X	45.75819	261.96819	17.05274	26.12664	0.1929608	0.17723779	3.1388109	21	9 29.1	18.5
181931 1999 TJ_{138}	15.2	X	339.78899	167.68940	209.95420	8.02533	0.0872860	0.17789004	3.1311338	21	10 5.7	19.1
181932 1999 TY_{138}	16.9	X	278.41534	290.30195	16.32028	5.30754	0.1830457	0.30002853	2.2098409	21	3 16.3	20.1
181933 1999 TD_{142}	16.8	X	146.09352	149.81894	194.24297	4.71456	0.1659575	0.28767295	2.2726717	21	—	—
181934 1999 TM_{144}	17.0	X	146.38583	172.85669	194.99884	2.83381	0.1762742	0.29034587	2.2587021	21	1 26.0	19.9
181935 1999 TS_{155}	16.7	X	245.52445	180.23338	187.90549	6.41791	0.2259707	0.30162004	2.2020605	21	4 29.8	20.1
181936 1999 TC_{158}	16.9	X	126.77088	357.64243	316.79387	2.66579	0.1721141	0.28251318	2.3002599	21	—	—
181937 1999 TX_{159}	15.6	X	78.52082	98.01829	200.44574	10.04564	0.1314236	0.18502432	3.0501193	21	11 19.8	20.2
181938 1999 TB_{161}	15.1	X	310.44639	160.51971	209.23046	8.78452	0.0991995	0.17419422	3.1752668	21	8 7.7	19.4
181939 1999 TQ_{163}	15.5	X	344.33786	291.84102	71.85564	5.28964	0.1841287	0.17695524	3.1421513	21	9 28.3	18.8
181940 1999 TJ_{169}	14.4	X	286.71907	93.18060	280.85501	2.36108	0.1881124	0.12607349	3.9390080	21	6 30.4	19.8
181941 1999 TT_{173}	15.1	X	11.14996	282.29193	68.08512	5.86324	0.1627668	0.17827969	3.1265699	21	10 28.8	18.7
181942 1999 TZ_{176}	16.4	X	213.32053	165.09051	205.81303	5.27471	0.1579950	0.29731098	2.2232864	21	4 5.0	19.9
181943 1999 TT_{179}	15.3	X	86.43211	83.67989	215.33898	11.36872	0.0767413	0.18350447	3.0669377	21	11 21.9	19.9
181944 1999 TN_{180}	16.5	X	333.15729	216.76171	130.36513	2.96364	0.2326754	0.26492019	2.4010028	21	8 13.4	18.1
181945 1999 TC_{202}	17.1	X	248.70192	162.79253	167.14303	5.77843	0.1690804	0.29829349	2.2184018	21	3 17.3	20.2
181946 1999 TM_{203}	16.6	X	299.81754	188.86737	235.06554	4.47052	0.1121726	0.26966144	2.3727764	21	10 16.5	18.9
181947 1999 TG_{215}	14.9	X	26.26824	137.52831	196.70779	12.56651	0.0887804	0.17917011	3.1162025	21	10 22.1	19.0
181948 1999 TP_{216}	17.0	X	239.06989	85.37546	335.37033	4.91253	0.1336078	0.26033191	2.4291320	21	7 12.6	20.5
181949 1999 TF_{219}	16.9	X	64.46018	5.43498	40.49867	4.82470	0.2120755	0.28275185	2.2989653	21	—	—
181950 1999 TB_{226}	15.7	X	328.85233	90.92522	232.76589	2.30727	0.0847322	0.16948007	3.2338779	21	7 10.1	19.8
181951 1999 TA_{228}	16.9	X	290.20545	98.18401	197.17516	1.04057	0.1283597	0.29823320	2.2187007	21	3 20.5	19.6
181952 1999 TL_{231}	16.5	X	221.51309	149.55247	158.54944	10.10744	0.2092470	0.29436497	2.2380956	21	1 22.9	20.3
181953 1999 TH_{245}	15.3	X	18.21911	297.64942	17.50944	5.42482	0.1375262	0.17786691	3.1314053	21	9 20.9	19.1
181954 1999 TT_{263}	17.1	X	261.30480	23.89063	207.30306	2.77801	0.1269756	0.28605434	2.2812367	21	—	—
181955 1999 TE_{272}	16.8	X	81.66733	116.32835	276.39150	3.57449	0.1299564	0.28355449	2.2946249	21	—	—
181956 1999 TV_{287}	17.4	X	68.34461	214.86133	185.44615	2.17697	0.1798256	0.28193726	2.3033914	21	—	—
181957 1999 TA_{289}	17.2	X	133.28522	219.95796	153.03258	3.27791	0.1862156	0.28732563	2.2745028	21	1 19.4	19.9
181958 1999 UL_{7}	15.2	X	293.48735	92.83777	324.44050	20.40921	0.3414343	0.26340669	2.4101913	21	8 16.1	17.4
181959 1999 UG_{21}	17.3	X	66.32349	276.11570	157.13308	2.92340	0.1373977	0.28584642	2.2823428	21	—	—
181960 1999 UM_{24}	13.9	X	210.98221	208.94798	226.33801	21.27588	0.0390317	0.16815657	3.2508243	21	7 2.3	19.0
181961 1999 UA_{31}	17.7	X	279.53831	257.98906	47.92492	4.30502	0.2118905	0.30102646	2.2049544	21	3 14.2	20.9
181962 1999 UU_{35}	16.9	X	166.22931	321.07028	359.58021	6.25873	0.0701689	0.28843796	2.2686514	21	—	—
181963 1999 UO_{37}	15.5	X	45.81062	148.21637	185.96007	6.51013	0.2791012	0.18414273	3.0598466	21	12 14.4	19.9
181964 1999 UE_{40}	14.7	X	101.01875	51.03785	210.82943	15.93524	0.0492521	0.17958950	3.1113492	21	10 20.0	19.2
181965 1999 UN_{41}	16.6	X	50.04014	235.40641	225.12959	5.87273	0.0540657	0.28720895	2.2751187	21	—	—
181966 1999 UA_{42}	16.6	X	225.83583	7.18956	327.65847	4.57063	0.2149413	0.29710716	2.2243031	21	2 28.5	20.2
181967 1999 UW_{47}	17.0	X	166.72895	12.05568	341.75996	4.35307	0.1867700	0.29064226	2.2571662	21	2 1.5	20.3
181968 1999 UW_{58}	14.8	X	48.62770	326.98558	7.09147	17.54356	0.2095578	0.18191305	3.0847986	21	12 3.3	19.4
181969 1999 VU_{14}	17.4	X	180.57503	96.05989	261.85446	2.34613	0.1541062	0.29424277	2.2387152	21	2 15.3	20.5
181970 1999 VF_{17}	17.2	X	309.17067	51.77076	233.53380	4.89128	0.1753977	0.30078291	2.2061444	21	3 21.9	19.9
181971 1999 VM_{17}	17.2	X	61.38969	64.22033	313.23582	1.30476	0.2233562	0.27923295	2.3182394	21	—	—
181972 1999 VD_{21}	16.9	X	346.67389	295.67187	176.40124	1.88247	0.1570738	0.27776055	2.3264248	21	—	—
181973 1999 VS_{26}	15.4	X	216.51586	329.60221	51.55719	3.07513	0.1273131	0.25155934	2.4852825	21	4 26.7	19.0
181974 1999 VJ_{30}	16.7	X	212.41144	289.96888	53.41756	5.47763	0.1783485	0.29323408	2.2438462	21	3 3.6	20.3
181975 1999 VK_{35}	16.6	X	246.27478	293.50144	77.93396	3.67590	0.1885236	0.25471858	2.4646900	21	5 10.0	20.3
181976 1999 VK_{45}	16.6	X	20.76883	83.15743	317.34340	2.11599	0.1644160	0.27600483	2.3362802	21	—	—
181977 1999 VJ_{64}	15.5	X	77.76007	289.65355	57.75508	5.98956	0.1821510	0.18615093	3.0378005	21	—	—
181978 1999 VV_{66}	14.9	X	49.14596	280.36236	53.93901	10.64061	0.0941216	0.18002344	3.1063473	21	11 21.3	19.2
181979 1999 VZ_{66}	16.7	X	187.98105	318.63303	58.35049	5.59157	0.1430791	0.29389044	2.2405041	21	3 22.6	20.0
181980 1999 VZ_{69}	17.4	X	357.95537	147.38202	235.24519	1.62075	0.2009739	0.27088920	2.3656015	21	12 15.7	19.4
181981 1999 VC_{71}	15.7	X	56.68304	265.98791	93.21525	2.32700	0.2548205	0.18446563	3.0562748	21	—	—
181982 1999 VO_{74}	15.4	X	54.95663	200.46624	34.28633	5.30317	0.0756073	0.17120490	3.2121212	21	7 25.1	19.7
181983 1999 VO_{80}	15.5	X	159.86525	318.46291	80.94103	4.77337	0.0380821	0.24674490	2.5175064	21	3 18.3	18.9
181984 1999 VF_{82}	16.5	X	251.75518	299.13051	34.08426	7.41131	0.2453819	0.30020518	2.2089740	21	3 21.6	20.1
181985 1999 VW_{95}	17.0	X	145.43131	322.55999	37.77470	5.44774	0.1416454	0.28807172	2.2705738	21	1 12.6	19.9
181986 1999 VR_{104}	15.7	X	44.42397	273.26500	55.22864	2.14703	0.1641974	0.18010113	3.1054539	21	11 18.6	19.9
181987 1999 VQ_{108}	17.2	X	283.82175	60.46039	70.18784	3.92880	0.1211345	0.27117115	2.3639615	21	12 25.7	19.4
181988 1999 VF_{110}	17.3	X	325.96880	202.81197	232.42703	1.55941	0.1708971	0.27061557	2.3671959	21	12 25.5	19.0
181989 1999 VW_{111}	17.2	X	308.33637	23.94997	38.02122	1.26410	0.2001361	0.26653525	2.3912939	21	10 21.3	19.1
181990 1999 VG_{113}	16.9	X	106.23219	316.00084	62.28431	5.79974	0.1378005	0.28223914	2.3017486	21	—	—
181991 1999 VH_{121}	17.5	X	313.68837	60.48297	26.91121	2.44993	0.1876419	0.27160150	2.3614637	21	12 17.2	19.1
181992 1999 VZ_{125}	16.1	X	305.34527	177.75679	192.76886	9.19940	0.1005620	0.17502061	3.1652639	21	8 1.6	20.4
181993 1999 VP_{130}	15.4	X	98.70111	216.20274	35.52129	5.54300	0.1083922	0.17635447	3.1492834	21	10 12.6	20.2
181994 1999 VO_{161}	17.0	X	355.44956	173.71285	248.83010	4.18093	0.1914006	0.27361762	2.3498493	21	—	—
181995 1999 VV_{165}	16.1	X	158.38477	107.71924	287.70023	2.33594	0.1198900	0.24607069	2.5221028	21	3 15.5	19.9
181996 1999 VQ_{167}	17.2	X	349.18436	75.76171	310.67736	2.35722	0.2025842	0.26937002	2.3744875	21	12 2.8	18.9
181997 1999 VR_{180}	17.0	X	8.69605	358.61488	25.51969	12.52674	0.1758953	0.27413930	2.3468672	21	—	—
181998 1999 VC_{212}	16.8	X	232.59446	44.14258	235.18827	6.63613	0.1031435	0.28665107	2.2780697	21	—	—
181999 1999 WG_{15}	17.2	X	172.38134	268.92423	61.84032	2.15075	0.1936280	0.28954492	2.2628656	21	1 9.1	20.4
182000 1999 WX_{20}	15.1	X	100.65272	221.53975	50.84870	16.58667	0.0482142	0.17871316	3.1215121	21	11 3.3	19.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
182001 1999 WQ_{23}	17.5	X	137.28696	305.42412	239.10492	0.83669	0.0846267	0.26030735	2.4292848	21	9 3.9	20.8
182002 1999 XV_{7}	16.4	X	137.66699	359.54708	15.18871	6.40514	0.2735427	0.28695102	2.2764819	21	2 10.5	19.6
182003 1999 XE_{14}	16.6	X	107.21862	283.56995	128.26624	7.07031	0.0850980	0.28597205	2.2816743	21	1 20.6	19.0
182004 1999 XK_{17}	16.9	X	94.93544	303.98074	104.15739	24.17289	0.1218549	0.37188231	1.9151334	21	—	—
182005 1999 XR_{26}	17.1	X	153.19156	318.84241	55.31267	7.25161	0.1821291	0.28967665	2.2621795	21	2 15.8	20.4
182006 1999 XJ_{45}	15.0	X	355.25758	322.33732	67.22894	18.46925	0.2350232	0.17906602	3.1174101	21	11 26.6	18.1
182007 1999 XR_{48}	16.6	X	309.14527	40.60074	64.98118	4.88282	0.1168214	0.27175573	2.3605701	21	—	—
182008 1999 XE_{69}	16.8	X	95.35350	113.21595	250.39527	1.46952	0.1872882	0.27939874	2.3173222	21	—	—
182009 1999 XZ_{122}	15.1	X	1.02970	325.95740	30.51206	16.33375	0.2917417	0.17801185	3.1297053	21	10 29.0	17.9
182010 1999 XT_{133}	16.8	X	357.48431	23.41161	21.61112	6.60642	0.2155929	0.27029239	2.3690824	21	—	—
182011 1999 XL_{159}	15.0	X	85.11376	304.47078	208.57259	3.21411	0.1846777	0.24518620	2.5281647	21	6 2.2	18.2
182012 1999 XY_{218}	17.1	X	82.96797	255.98706	113.14144	3.25402	0.2552795	0.27640346	2.3340334	21	—	—
182013 1999 XR_{225}	17.2	X	340.68606	81.43944	308.12627	2.08615	0.0971110	0.26366473	2.4086185	21	11 8.6	19.7
182014 1999 XC_{226}	16.2	X	159.71744	38.77246	3.60606	0.74813	0.2024428	0.24394997	2.5366986	21	4 2.3	20.3
182015 1999 XH_{248}	16.0	X	263.27725	224.05465	140.39159	3.73520	0.1912346	0.25544149	2.4600377	21	5 18.6	19.5
182016 1999 XF_{255}	16.0	X	163.71278	244.76082	90.92072	3.85409	0.2901730	0.23618083	2.5920276	21	1 23.4	20.4
182017 1999 YO_{7}	17.1	X	209.49647	305.57766	157.30952	2.19412	0.1575454	0.25788196	2.4444927	21	8 2.6	20.9
182018 1999 YA_{8}	17.6	X	250.67741	30.17400	99.60253	1.87329	0.1926194	0.26474270	2.4020758	21	10 21.2	20.7
182019 1999 YF_{14}	17.4	X	265.57440	248.71402	236.21604	0.41544	0.1441251	0.26367787	2.4085385	21	11 11.6	20.2
182020 1999 YZ_{16}	16.8	X	226.40160	20.22248	138.73051	3.18422	0.1089908	0.26231401	2.4168798	21	11 10.5	20.1
182021 2000 AU_{5}	17.1	X	260.89379	307.28956	94.87947	3.18148	0.2191451	0.25719578	2.4488386	21	6 30.9	20.6
182022 2000 AD_{27}	16.7	X	260.36508	46.23955	63.74409	3.27258	0.1621223	0.26279726	2.4139160	21	10 12.3	19.7
182023 2000 AG_{27}	16.9	X	235.62674	87.98319	59.80806	2.95285	0.1158013	0.26377905	2.4079225	21	11 5.8	19.9
182024 2000 AB_{90}	16.1	X	80.06196	240.96853	125.05891	6.52758	0.1382997	0.27358963	2.3500096	21	—	—
182025 2000 AV_{100}	14.4	X	2.18298	159.87515	224.00178	16.69543	0.2071109	0.17967527	3.1103589	21	11 29.7	17.9
182026 2000 AQ_{113}	16.5	X	85.93429	273.76859	148.70231	6.05687	0.2705815	0.23698646	2.5861499	21	2 12.8	19.3
182027 2000 AJ_{145}	16.8	X	208.56046	47.78292	83.64932	2.38480	0.1277219	0.25811345	2.4430309	21	9 12.2	20.4
182028 2000 AL_{194}	17.0	X	233.41222	317.33441	169.15151	10.83305	0.2502669	0.25973842	2.4328309	21	9 18.5	20.7
182029 2000 BV_{4}	16.6	X	319.71035	63.07483	21.08405	9.64517	0.2069397	0.26857791	2.3791538	21	12 26.2	18.5
182030 2000 BJ_{7}	15.4	X	107.87501	157.09858	331.78468	7.06682	0.1516610	0.24569735	2.5246571	21	5 22.3	19.0
182031 2000 BJ_{13}	16.6	X	174.73714	222.56174	134.33288	4.32503	0.2520868	0.28379402	2.2933335	21	2 18.0	20.2
182032 2000 BN_{13}	16.8	X	163.64666	264.71318	315.53924	6.08060	0.1647760	0.26057124	2.4276443	21	11 14.4	20.7
182033 2000 CJ_{15}	16.4	X	211.70494	65.65228	95.80354	5.26630	0.1225173	0.26029051	2.4293896	21	10 26.7	19.8
182034 2000 CS_{21}	16.2	X	35.20435	265.98183	229.67337	2.77162	0.2031150	0.23448669	2.6044973	21	2 3.1	18.5
182035 2000 CY_{38}	16.1	X	112.24201	168.06184	349.29685	10.64399	0.1621894	0.24564809	2.5249946	21	7 10.6	19.9
182036 2000 CV_{43}	15.3	X	79.08912	0.65186	180.30935	5.83743	0.1483798	0.24422814	2.5347721	21	6 26.5	18.5
182037 2000 CE_{52}	15.7	X	112.70013	21.05384	152.73681	15.34468	0.0834732	0.24699808	2.5157858	21	7 20.5	19.3
182038 2000 CL_{64}	16.0	X	104.78830	58.48884	104.25835	3.05694	0.0916296	0.24685732	2.5167421	21	6 27.3	19.2
182039 2000 CR_{67}	17.2	X	22.34717	192.90371	217.04904	0.74525	0.1737230	0.27076493	2.3663253	21	—	—
182040 2000 CD_{72}	16.8	X	265.92048	354.84329	323.63802	1.84276	0.1053544	0.24124184	2.5556475	21	3 31.5	20.4
182041 2000 CX_{73}	17.2	X	104.68224	37.45477	131.08127	3.31654	0.0801042	0.24699175	2.5158288	21	7 3.4	20.6
182042 2000 CE_{88}	16.1	X	43.39599	10.47351	145.15853	7.55333	0.1138399	0.23629601	2.5911852	21	3 20.9	18.8
182043 2000 CH_{96}	16.8	X	78.77756	165.37205	300.96661	1.78046	0.1036129	0.23827123	2.5768451	21	3 6.4	19.9
182044 Ryschkewitsch	16.7	X	52.80716	98.16741	259.92884	0.38939	0.2016619	0.26652697	2.3913433	21	—	—
182045 2000 CC_{131}	16.6	X	130.71508	131.21069	139.32963	8.78408	0.1829574	0.26107520	2.4245192	21	12 19.1	20.7
182046 2000 CL_{147}	16.0	X	297.25545	78.46794	117.39996	3.77088	0.1304313	0.22656384	2.6648677	21	—	—
182047 2000 CE_{149}	16.5	X	355.58359	285.22505	147.46188	6.92348	0.0845364	0.26837645	2.3803443	21	—	—
182048 2000 DU_{16}	17.1	X	94.39777	106.10157	336.57701	19.10653	0.0718650	0.37277554	1.9120729	21	1 27.3	18.8
182049 2000 DY_{36}	16.8	X	105.03141	21.62290	119.23031	1.34568	0.0717897	0.24276783	2.5449268	21	5 25.7	20.2
182050 2000 DF_{40}	16.2	X	27.75973	68.56476	161.65358	15.69674	0.1252211	0.24224289	2.5486020	21	6 10.8	19.3
182051 2000 DP_{47}	16.6	X	220.34204	319.46100	189.91562	0.88937	0.1301958	0.25834235	2.4415876	21	10 17.4	19.9
182052 2000 DD_{49}	17.3	X	133.96599	345.49460	161.28640	2.47667	0.1444269	0.24710415	2.5150658	21	7 15.7	21.0
182053 2000 DM_{61}	15.8	X	134.25452	158.43366	345.36503	11.86937	0.0783089	0.24595505	2.5228933	21	7 9.1	19.5
182054 2000 DG_{89}	16.6	X	349.26391	77.98486	146.09494	5.81716	0.2081461	0.23627879	2.5913111	21	3 8.4	19.0
182055 2000 DA_{92}	16.4	X	231.50151	231.42855	167.12749	1.93821	0.1062871	0.24594856	2.5229377	21	6 6.2	19.9
182056 2000 DD_{93}	16.0	X	345.75749	159.33964	4.15275	5.32622	0.2474009	0.23001740	2.6381263	21	—	—
182057 2000 DY_{103}	16.1	X	143.35103	139.61834	138.33677	11.10927	0.2418912	0.26032093	2.4292003	21	—	—
182058 2000 DN_{108}	16.4	X	22.61965	233.37521	148.67329	6.58176	0.1413037	0.26564132	2.3966556	21	—	—
182059 2000 DQ_{114}	16.7	X	345.48111	33.12491	142.12459	2.90664	0.0642915	0.23221611	2.6214474	21	1 14.7	20.1
182060 2000 DL_{116}	15.7	X	53.13741	113.02879	111.17577	3.34930	0.0289693	0.24589943	2.5232737	21	6 30.9	18.8
182061 2000 EU_{3}	17.1	X	259.30928	318.29972	161.34837	2.41645	0.1066780	0.25950491	2.4342901	21	11 1.1	20.1
182062 2000 ET_{15}	15.2	X	298.03743	291.85655	188.37690	2.70297	0.1521337	0.12667394	3.9265505	21	11 25.4	20.2
182063 2000 EZ_{55}	16.6	X	151.64524	129.10735	343.14304	12.05139	0.0950557	0.24578632	2.5240478	21	6 15.4	20.5
182064 2000 EC_{79}	15.5	X	225.75051	287.37099	123.43896	6.38007	0.0327425	0.24646286	2.5194267	21	6 22.7	18.9
182065 2000 EH_{154}	16.2	X	54.17463	182.28294	32.19225	12.39829	0.2224320	0.24162499	2.5529451	21	7 23.2	19.4
182066 2000 EF_{159}	17.0	X	171.66073	90.19834	162.87676	6.24899	0.1373019	0.26328684	2.4109227	21	—	—
182067 2000 FS_{7}	16.8	X	236.66933	281.09738	32.09606	21.30564	0.0708304	0.37055663	1.9196983	21	2 14.9	19.6
182068 2000 FX_{54}	16.5	X	219.89066	302.94606	23.72497	1.56921	0.1229039	0.22893261	2.6464536	21	2 23.6	20.7
182069 2000 GR_{27}	14.5	X	308.16434	90.34035	32.85701	3.14675	0.1466615	0.12491829	3.9632551	21	12 12.9	19.4
182070 2000 GC_{47}	15.7	X	25.49968	38.81019	206.76953	14.21579	0.0686785	0.24026088	2.5625991	21	6 21.9	19.0
182071 2000 GJ_{67}	15.9	X	31.15182	209.53372	25.64213	12.12442	0.1297659	0.23873175	2.5735302	21	6 22.7	18.9
182072 2000 GX_{81}	16.7	X	331.18326	33.05704	204.80091	20.42314	0.0495773	0.37201604	1.9146744	21	2 16.2	19.0
182073 2000 GZ_{81}	16.4	X	113.38828	343.46448	192.29688	19.83063	0.1884134	0.24444926	2.5332433	21	8 1.4	20.7
182074 2000 GC_{119}	15.9	X	266.17028	195.13278	188.23862	5.91238	0.1964009	0.24711364	2.5150014	21	6 14.9	19.7
182075 2000 GM_{119}	16.5	X	48.24128	138.91490	160.56850	7.91392	0.1713741	0.24613881	2.5216375	21	11 1.3	19.8
182076 2000 GH_{130}	17.2	X	307.00319	84.43159	192.62261	1.95339	0.1135396	0.23425100	2.6062441	21	3 28.8	20.4
182077 2000 GA_{131}	15.7	X	312.27955	142.17818	217.34649	3.80316	0.1111574	0.19832304	2.9121960	21	7 29.2	19.3
182078 2000 GS_{170}	17.6	X	4.03294	266.80896	203.01634	20.87118	0.1042078	0.36201959	1.9497608	21	—	—
182079 2000 HD_{1}	17.0	X	27.01434	97.95212	216.62103	0.84546	0.2419714	0.24477354	2.5310054	21	10 30.4	19.7
182080 2000 HA_{2}	16.7	X	16.36288	245.53887	65.19112	3.37627	0.1120844	0.24591594	2.5231608	21	9 18.3	19.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
182081 2000 HC_{2}	16.6	X	162.90760	318.27180	148.17626	2.42677	0.1351255	0.24221850	2.5487731	21	6 22.4	20.6
182082 2000 HD_{8}	16.2	X	80.42738	201.35816	43.85012	4.63811	0.1081547	0.24584130	2.5236715	21	9 21.4	19.6
182083 2000 HS_{51}	15.8	X	87.57936	164.89109	60.48203	2.66204	0.0854175	0.24359405	2.5391689	21	8 30.6	19.2
182084 2000 HL_{58}	17.4	X	23.45833	108.84707	22.97664	20.04639	0.0761275	0.36693247	1.9323181	21	—	—
182085 2000 HN_{59}	16.5	X	324.88667	36.26491	228.18764	7.22720	0.2059151	0.23198913	2.6231570	21	3 20.5	19.7
182086 2000 HW_{68}	16.9	X	133.77805	318.88827	207.44549	4.05377	0.1774060	0.24494929	2.5297946	21	8 11.1	21.0
182087 2000 HH_{81}	16.8	X	290.31155	151.54038	100.34622	24.14592	0.0484959	0.36694825	1.9322627	21	1 15.9	18.9
182088 2000 HV_{83}	16.8	X	63.31660	100.64236	55.19148	23.73282	0.0453248	0.37530623	1.9034678	21	4 8.8	18.9
182089 2000 JK_{7}	16.1	X	104.84812	5.10010	217.77967	1.29108	0.0053351	0.20147072	2.8817840	21	9 2.3	20.2
182090 2000 JH_{10}	17.0	X	343.32665	95.09855	55.25158	27.15217	0.0606892	0.36262237	1.9475995	21	—	—
182091 2000 JD_{13}	16.6	X	24.05719	67.23793	196.95476	4.15637	0.2005827	0.23920969	2.5701011	21	7 31.5	19.0
182092 2000 JE_{41}	16.0	X	55.15679	224.62367	69.43808	7.23898	0.2782762	0.24426174	2.5345396	21	11 15.8	19.5
182093 2000 JJ_{43}	16.8	X	155.69327	61.35440	81.27274	1.99095	0.1638795	0.24415777	2.5352591	21	8 2.8	20.9
182094 2000 JK_{68}	14.9	X	321.80204	277.96744	194.06753	10.64394	0.1768650	0.12450642	3.9719908	21	12 18.9	19.8
182095 2000 JX_{68}	16.2	X	350.93423	254.91334	51.48690	8.74510	0.0787122	0.24244329	2.5471974	21	7 26.8	19.2
182096 2000 JF_{80}	16.8	X	77.37435	18.68386	229.28401	2.03819	0.1010511	0.24489539	2.5301658	21	9 17.1	20.1
182097 2000 KV_{11}	17.0	X	359.94622	115.64110	182.82880	0.87642	0.2916669	0.23809101	2.5781452	21	8 4.3	18.0
182098 2000 KO_{31}	15.9	X	49.29877	19.20452	253.22050	6.34040	0.2133382	0.24138620	2.5546285	21	9 27.4	19.2
182099 2000 KJ_{49}	16.7	X	139.12766	127.48829	48.82813	3.45783	0.0519429	0.24473633	2.5312619	21	8 25.3	20.1
182100 2000 KX_{52}	16.0	X	65.48217	158.28169	81.01031	5.39801	0.1016006	0.24228722	2.5482912	21	8 23.3	19.3
182101 2000 KM_{59}	16.0	X	42.50825	202.84064	61.10832	17.72298	0.1876651	0.24092649	2.5578772	21	9 15.9	19.5
182102 2000 LX_{22}	15.6	X	288.88905	110.43474	133.14846	15.71027	0.0614993	0.21958657	2.7210229	21	1 31.9	19.4
182103 2000 NN_{13}	15.6	X	54.81391	201.25188	150.48853	10.80803	0.3448110	0.19726092	2.9226401	21	—	—
182104 2000 NT_{20}	16.1	X	299.80989	142.28191	149.85860	2.75249	0.1838113	0.22640249	2.6661336	21	3 30.5	19.6
182105 2000 OR_{17}	16.5	X	354.58487	168.13173	123.70242	6.54357	0.3147182	0.23336504	2.6128362	21	6 30.8	17.7
182106 2000 OT_{34}	16.2	X	255.93010	148.62592	161.07841	8.41416	0.2297476	0.22129131	2.7070305	21	3 2.5	20.7
182107 2000 OC_{35}	16.0	X	303.63284	99.58818	216.39953	2.94366	0.1741145	0.22825103	2.6517193	21	5 7.1	19.1
182108 2000 PY_{6}	15.2	X	237.85186	347.19179	322.54598	8.54992	0.1709929	0.21830012	2.7317025	21	2 18.3	19.6
182109 2000 QL_{3}	15.7	X	154.82645	192.88611	160.50961	13.46651	0.1741745	0.21025545	2.8009448	21	1 29.1	20.2
182110 2000 QE_{19}	16.2	X	190.96589	186.37078	160.40703	2.17598	0.2726776	0.21461927	2.7628475	21	2 25.4	21.0
182111 2000 QZ_{35}	15.4	X	326.32214	304.36396	317.25889	10.51368	0.1589374	0.22587064	2.6703173	21	3 24.7	18.9
182112 2000 QL_{37}	16.4	X	279.36730	123.92350	151.25121	4.18971	0.1876092	0.22086561	2.7105077	21	2 13.9	20.6
182113 2000 QH_{104}	15.3	X	294.44272	295.24668	34.68418	13.30622	0.2773944	0.22637770	2.6663283	21	4 27.4	18.9
182114 2000 QC_{119}	15.2	X	293.18266	323.07813	327.74901	8.46764	0.2480044	0.22264670	2.6960331	21	3 10.0	19.2
182115 2000 QL_{141}	15.9	X	193.76526	314.49101	23.82493	8.23442	0.2243299	0.21289711	2.7777269	21	2 20.2	20.8
182116 2000 QM_{161}	15.5	X	191.51749	182.80576	186.87457	10.03169	0.1605028	0.21844979	2.7304546	21	3 21.6	19.9
182117 2000 QF_{168}	16.3	X	290.60597	84.57712	199.63986	6.99266	0.2441724	0.22229443	2.6988805	21	2 27.9	20.4
182118 2000 QF_{170}	16.1	X	197.01626	123.74401	190.84359	7.04100	0.2022351	0.21211162	2.7845802	21	1 21.2	20.9
182119 2000 QH_{186}	16.0	X	281.87041	276.95360	51.75256	4.17018	0.1831742	0.22587058	2.6703177	21	4 25.2	19.9
182120 2000 QW_{189}	16.4	X	155.56330	319.25267	76.07188	4.49365	0.1153892	0.31034345	2.1605998	21	3 7.0	19.1
182121 2000 QL_{227}	12.6	X	289.28762	115.09515	209.55850	9.88988	0.1590358	0.08337364	5.1893965	21	5 12.8	19.4
182122 Sepan	16.3	X	290.82367	357.55916	132.67727	9.42644	0.1119506	0.20306703	2.8666617	21	12 19.2	19.9
182123 2000 RA_{21}	16.1	X	357.69810	87.17981	194.16276	7.63496	0.2542056	0.23041493	2.6350911	21	6 24.5	18.2
182124 2000 RY_{23}	15.1	X	241.17321	261.09307	192.87101	14.58523	0.3332911	0.17877508	3.1207913	21	7 31.9	20.7
182125 2000 RK_{26}	15.1	X	351.10387	168.78399	226.43804	9.42749	0.1071414	0.19244381	2.9712105	21	11 19.8	18.7
182126 2000 RJ_{38}	15.9	X	227.72464	167.23587	174.16010	8.93225	0.1442207	0.21700652	2.7425478	21	3 21.3	20.2
182127 2000 RJ_{70}	16.1	X	313.89767	144.23367	130.82972	5.11694	0.4208708	0.22528400	2.6749509	21	2 20.7	20.1
182128 2000 RC_{72}	14.9	X	262.03691	211.85587	204.71012	16.76365	0.2006368	0.17854768	3.1234405	21	7 18.9	19.9
182129 2000 RR_{99}	14.7	X	236.37052	89.81680	334.79907	24.81296	0.2522763	0.17806734	3.1290550	21	7 8.9	20.2
182130 2000 SY_{15}	15.3	X	26.36655	26.30324	334.35446	8.45226	0.0733732	0.19335286	2.9618904	21	11 21.6	19.4
182131 2000 SD_{17}	15.5	X	14.44144	55.54652	328.09537	9.54650	0.1197469	0.19364409	2.9589200	21	12 11.5	19.4
182132 2000 SG_{17}	15.1	X	179.05921	253.78063	340.28511	14.98561	0.1387280	0.19828156	2.9126021	21	12 7.9	20.0
182133 2000 SO_{23}	15.5	X	337.91917	21.94375	179.79286	9.53211	0.0915350	0.21539190	2.7562364	21	2 5.7	19.1
182134 2000 SL_{25}	15.6	X	183.50646	147.90707	197.11480	14.46057	0.3043522	0.21445821	2.7642306	21	2 15.9	20.8
182135 2000 SP_{27}	16.6	X	280.11075	219.19132	230.24483	4.25582	0.1015546	0.28426708	2.2907886	21	10 25.0	18.8
182136 2000 ST_{29}	16.0	X	253.84559	145.34934	162.68805	9.77235	0.1549948	0.21817004	2.7327882	21	3 4.4	20.3
182137 2000 SA_{31}	15.7	X	134.34712	350.49112	16.19135	6.40832	0.0950547	0.20847398	2.8168787	21	1 18.0	19.7
182138 2000 SJ_{33}	15.7	X	285.52679	237.80871	39.18536	5.53119	0.1307997	0.21775431	2.7362653	21	3 4.5	19.7
182139 2000 SM_{33}	16.0	X	199.70995	204.57559	134.19717	6.08459	0.1649510	0.21355981	2.7719775	21	2 21.8	20.6
182140 2000 SX_{42}	15.5	X	318.39922	186.71507	232.61720	6.17703	0.1438997	0.18843485	3.0132043	21	10 24.6	18.9
182141 2000 SZ_{43}	15.5	X	258.88418	108.87488	200.08574	24.62473	0.1458439	0.21799260	2.7342710	21	3 7.7	19.9
182142 2000 SN_{44}	14.6	X	250.28195	14.68499	356.71268	29.14099	0.1922328	0.17447041	3.1719149	21	5 2.6	20.2
182143 2000 SQ_{45}	15.4	X	223.74267	67.40264	235.71106	13.30014	0.1819822	0.21596328	2.7513728	21	1 25.9	20.3
182144 2000 SN_{47}	15.3	X	285.51378	124.79127	206.30763	12.08460	0.2123330	0.22617696	2.6679057	21	4 28.6	19.0
182145 2000 SR_{49}	15.4	X	151.83612	89.94424	221.76168	5.69663	0.0674779	0.20442523	2.8539502	21	—	—
182146 2000 ST_{57}	15.7	X	238.23498	120.93738	181.14684	12.65923	0.2107752	0.21567046	2.7538626	21	2 6.6	20.5
182147 2000 SJ_{60}	15.7	X	160.79039	177.93411	187.19513	8.29009	0.0943084	0.21098701	2.7944665	21	2 10.2	20.0
182148 2000 SB_{64}	15.4	X	275.73014	340.77767	42.53876	6.56254	0.2150161	0.17981264	3.1087746	21	6 24.4	20.0
182149 2000 SN_{65}	15.5	X	202.50401	137.29842	170.48241	8.02941	0.0824079	0.20971870	2.8057218	21	1 15.8	19.9
182150 2000 SK_{68}	15.6	X	174.23519	180.17894	164.07746	9.81939	0.1633145	0.20986014	2.8044610	21	2 4.5	20.3
182151 2000 SK_{70}	15.7	X	287.17522	237.93178	174.56389	13.59294	0.2850745	0.18196114	3.0842551	21	8 2.5	20.1
182152 2000 SM_{73}	16.3	X	229.43908	259.48959	46.74539	6.52054	0.3161651	0.21486224	2.7607642	21	2 6.9	21.5
182153 2000 SU_{77}	16.2	X	67.21984	158.26555	202.26017	2.57836	0.1483567	0.19821922	2.9132128	21	—	—
182154 2000 SF_{78}	15.8	X	206.44075	141.48821	193.85990	7.43624	0.0308673	0.21326731	2.7745114	21	2 20.3	19.8
182155 2000 SB_{84}	15.1	X	277.56425	247.54966	183.11616	9.07341	0.1330395	0.18388894	3.0626614	21	9 6.6	19.2
182156 2000 SG_{87}	15.8	X	204.92151	180.87621	163.51611	8.88286	0.2271027	0.21353337	2.7722063	21	3 4.2	20.7
182157 2000 SF_{103}	16.0	X	193.80794	29.77396	309.49280	0.43882	0.2299870	0.21261987	2.7801410	21	2 18.1	20.7
182158 2000 SQ_{122}	14.9	X	284.46639	219.68618	194.42406	17.19320	0.2102021	0.18133836	3.0913127	21	8 10.6	19.4
182159 2000 SZ_{132}	15.2	X	292.38405	39.74138	226.79903	13.26287	0.1728012	0.21908124	2.7252055	21	2 13.8	19.6
182160 2000 SC_{161}	14.9	X	3.59688	342.95368	48.69588	10.21253	0.3355029	0.18630330	3.0361438	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
182161 2000 SL_{184}	12.6	X	312.55800	162.35885	135.81985	7.31921	0.1786102	0.08259635	5.2219032	21	5 10.6	19.1
182162 2000 SZ_{186}	15.0	X	312.70250	357.93995	217.15871	24.81406	0.0628126	0.21195455	2.7859558	21	1 19.7	19.4
182163 2000 SO_{193}	12.8	X	285.24262	346.04236	342.21368	9.14926	0.1045985	0.08267120	5.2187509	21	5 15.9	19.8
182164 2000 SO_{196}	16.4	X	84.59067	9.57335	356.73221	5.63462	0.0983638	0.20156276	2.8809066	21	—	—
182165 2000 SO_{197}	15.9	X	328.52201	59.05235	170.33341	9.35349	0.0699797	0.21681042	2.7442012	21	3 4.6	19.5
182166 2000 SS_{202}	15.8	X	209.79130	11.60773	56.24652	1.81554	0.2662921	0.17444106	3.1722707	21	6 14.9	21.5
182167 2000 SG_{214}	15.7	X	338.50075	21.52287	359.53900	9.75180	0.0819245	0.18876095	3.0097328	21	10 8.9	19.5
182168 2000 SL_{214}	15.1	X	301.85081	268.09750	182.54145	14.49074	0.1518158	0.19125810	2.9834779	21	11 10.1	18.8
182169 2000 SQ_{216}	15.4	X	217.17940	282.78858	61.98720	9.77261	0.1819527	0.21527710	2.7572162	21	3 19.6	20.1
182170 2000 SU_{222}	15.8	X	249.26772	80.54105	216.56666	8.07790	0.1639636	0.21578983	2.7528469	21	2 11.8	20.4
182171 2000 SZ_{222}	15.9	X	289.26726	169.92224	228.44869	0.98975	0.2184904	0.18212899	3.0823597	21	7 30.3	20.0
182172 2000 SG_{229}	16.0	X	167.38795	168.32858	194.82993	3.28803	0.1053023	0.20999917	2.8032231	21	2 16.7	20.2
182173 2000 SX_{239}	15.3	X	84.53070	150.48302	202.84636	11.63889	0.0672582	0.19728224	2.9224296	21	—	—
182174 2000 SQ_{247}	16.1	X	291.97165	270.15109	33.34319	5.56480	0.1559166	0.22346257	2.6894668	21	4 8.9	19.7
182175 2000 SH_{250}	15.5	X	306.37754	1.82872	30.42847	11.27801	0.1187957	0.18471403	3.0535343	21	9 7.3	19.5
182176 2000 SM_{250}	12.3	X	354.93195	103.53307	163.09411	18.07120	0.1248273	0.08246927	5.2272663	21	6 10.1	18.8
182177 2000 SK_{253}	16.1	X	230.70187	235.27082	80.71836	3.63657	0.1369761	0.21507720	2.7589244	21	2 23.2	20.5
182178 2000 SR_{282}	12.5	X	290.90111	127.78371	215.45549	25.54129	0.1146170	0.08299507	5.2051652	21	6 8.6	19.5
182179 2000 SC_{292}	15.5	X	301.70859	275.46576	352.84862	13.22072	0.1930061	0.21944417	2.7221999	21	3 2.9	19.3
182180 2000 SP_{294}	15.7	X	39.92500	9.41675	42.53725	12.06317	0.1052955	0.19768594	2.9184496	21	—	—
182181 2000 SG_{310}	15.2	X	217.46567	74.51819	327.72492	24.27450	0.1921417	0.17316499	3.1878361	21	5 17.9	20.9
182182 2000 SK_{318}	15.0	X	304.91865	255.26573	58.34088	13.46013	0.2746961	0.22607158	2.6687347	21	4 23.6	18.6
182183 2000 SK_{324}	16.3	X	106.78629	144.27201	192.28661	4.92335	0.1211202	0.19976479	2.8981671	21	—	—
182184 2000 SP_{325}	15.9	X	257.34395	254.85685	164.62484	5.35662	0.1621451	0.18089223	3.0963933	21	7 25.3	20.4
182185 2000 SR_{343}	15.3	X	330.47780	47.17563	328.52234	10.07268	0.0583809	0.18821994	3.0154975	21	9 19.1	19.3
182186 2000 SU_{349}	15.1	X	278.49023	34.87723	27.91569	19.23481	0.3127741	0.18346868	3.0673365	21	8 12.3	19.9
182187 2000 SY_{363}	16.7	X	136.59081	231.29304	74.23389	5.70442	0.1663567	0.29830742	2.2183327	21	—	—
182188 2000 TK_{13}	15.2	X	170.88732	280.54928	21.92110	13.56830	0.1229367	0.20393100	2.8585594	21	—	—
182189 2000 TM_{34}	16.0	X	315.84415	252.36642	130.40388	3.06810	0.1927534	0.18368417	3.0649371	21	8 26.7	19.3
182190 2000 TD_{35}	17.3	X	80.01387	261.57912	192.22144	2.60518	0.1143202	0.30376925	2.1916617	21	2 4.8	19.4
182191 2000 UC_{14}	15.4	X	150.17908	153.39220	336.56046	8.08014	0.0295394	0.17524798	3.1625255	21	7 4.7	20.1
182192 2000 UE_{14}	15.9	X	277.94765	54.23641	336.80867	7.16582	0.1877511	0.17938832	3.1136750	21	7 12.2	20.4
182193 2000 UB_{21}	15.5	X	4.41499	167.55261	205.38050	10.68329	0.1363494	0.18851309	3.0123704	21	11 14.6	19.0
182194 2000 UX_{24}	15.3	X	132.46285	276.40499	64.37586	8.67633	0.1753581	0.20220129	2.8748384	21	—	—
182195 2000 UR_{35}	15.2	X	290.20809	160.64716	218.69721	8.89574	0.1217984	0.17906709	3.1173976	21	7 19.5	19.6
182196 2000 UT_{45}	15.1	X	57.47655	131.29338	212.36818	6.62341	0.1419608	0.19137883	2.9822230	21	12 21.4	19.5
182197 2000 UX_{65}	15.3	X	10.41700	162.65079	225.57299	9.54280	0.1021678	0.19072394	2.9890459	21	12 9.3	19.1
182198 2000 UK_{105}	16.0	X	111.04172	250.67110	131.48173	5.79236	0.1979772	0.20428903	2.8552186	21	1 22.5	19.9
182199 2000 UN_{108}	15.7	X	44.07906	302.54705	28.15781	11.39929	0.0940842	0.18923506	3.0047037	21	11 10.4	19.9
182200 2000 UH_{111}	15.7	X	306.24478	198.84867	198.52323	6.55527	0.1837442	0.18136848	3.0909704	21	8 28.0	19.5
182201 2000 VD_{20}	15.3	X	205.44344	23.15120	60.32549	6.55123	0.1637433	0.17363865	3.1820362	21	7 4.3	20.6
182202 2000 VW_{20}	16.0	X	346.33077	356.25112	30.01826	1.64401	0.2512203	0.18685584	3.0301556	21	11 4.5	18.5
182203 2000 VS_{59}	15.7	X	245.91451	284.47371	129.00558	0.33256	0.1657304	0.17669407	3.1452468	21	7 5.8	20.4
182204 2000 WA_{21}	14.5	X	266.89735	281.56112	115.73301	4.08253	0.2403792	0.12524931	3.9562691	21	6 29.2	20.4
182205 2000 WR_{21}	15.9	X	211.63982	88.42420	227.78352	3.16765	0.0931942	0.21243113	2.7817875	21	2 3.7	20.3
182206 2000 WZ_{42}	15.1	X	216.94196	232.16735	210.84203	8.32478	0.2238641	0.17333947	3.1856965	21	7 9.1	20.6
182207 2000 WF_{46}	16.8	X	299.71812	183.47541	208.50140	4.52631	0.1393209	0.27577722	2.3375655	21	8 24.5	19.1
182208 2000 WC_{57}	14.6	X	224.37807	221.42038	241.85505	13.72341	0.1183912	0.17706625	3.1408378	21	8 12.9	19.7
182209 2000 WM_{69}	14.8	X	337.63888	29.67321	358.39577	10.09477	0.1035965	0.18594085	3.0400882	21	10 15.3	18.5
182210 2000 WR_{82}	15.2	X	294.80675	345.12139	26.01841	3.71770	0.2981882	0.17839742	3.1251942	21	6 20.1	19.5
182211 2000 WT_{102}	14.9	X	261.14760	230.82201	200.89614	13.50946	0.1518810	0.17804898	3.1292701	21	8 12.3	19.7
182212 2000 WN_{122}	15.4	X	288.50953	7.92224	75.33601	6.71449	0.1257833	0.18285001	3.0742515	21	10 13.4	19.4
182213 2000 WU_{122}	16.5	X	315.25572	343.05262	54.48590	3.13758	0.2041051	0.27772526	2.3266218	21	9 30.9	18.1
182214 2000 WB_{127}	15.7	X	39.67554	251.13756	84.94472	3.38465	0.2111298	0.18935929	3.0033894	21	11 30.5	19.7
182215 2000 WP_{145}	15.0	X	328.33221	196.82736	172.77853	16.16097	0.0864995	0.18206902	3.0830366	21	9 8.3	18.9
182216 2000 WK_{163}	14.9	X	185.72883	297.72718	243.50898	8.74957	0.0635540	0.18364000	3.0654285	21	10 14.2	19.5
182217 2000 WR_{163}	16.2	X	307.29896	182.27919	251.33715	1.07432	0.0623282	0.18577553	3.0418914	21	11 1.6	20.3
182218 2000 WX_{180}	15.4	X	274.55277	350.92862	39.21788	10.52240	0.1749276	0.17679948	3.1439966	21	7 8.4	20.0
182219 2000 XG_{26}	16.9	X	134.69756	10.87931	8.21290	7.03543	0.2450362	0.29985044	2.2107158	21	2 7.4	19.8
182220 2000 XP_{29}	15.3	X	32.66627	345.62235	40.09741	13.15509	0.2667840	0.18986295	2.9980755	21	—	—
182221 2000 XO_{48}	15.3	X	305.86018	345.64413	43.82054	11.60110	0.2310854	0.17902374	3.1179008	21	8 16.9	19.2
182222 2000 YU_{1}	7.1	X	288.10067	315.73824	207.80283	6.10818	0.0936479	0.00343630	43.4919531	21	12 13.9	23.4
182223 2000 YC_{2}	7.5	X	35.09294	145.64789	227.60775	19.88126	0.3853846	0.00220796	58.4083812	21	12 17.8	24.0
182224 2000 YO_{10}	15.5	X	204.91677	311.05842	127.07959	6.00162	0.1494734	0.17060768	3.2196129	21	6 27.7	20.6
182225 2000 YP_{35}	14.7	X	214.20831	22.02072	88.22467	27.54470	0.1136117	0.17378341	3.1802689	21	8 24.4	20.1
182226 2000 YS_{65}	15.5	X	263.43200	243.47275	191.79456	15.53796	0.2216231	0.17694027	3.1423285	21	8 10.4	20.4
182227 2000 YU_{84}	16.7	X	283.36242	157.09718	252.45648	3.66370	0.1738230	0.27345315	2.3507914	21	8 16.9	19.3
182228 2000 YF_{89}	15.6	X	261.50431	281.43142	144.18185	1.99474	0.1612855	0.17467081	3.1694883	21	8 7.5	20.1
182229 2000 YC_{124}	14.3	X	269.20314	150.96644	255.32561	20.81969	0.0805837	0.17727258	3.1384003	21	7 27.2	19.1
182230 2001 CL_{7}	16.6	X	22.88664	80.06881	99.48902	5.80353	0.0741475	0.29694061	2.2251348	21	3 7.8	18.8
182231 2001 CZ_{20}	17.3	X	247.19423	319.82333	195.15636	4.50218	0.3284372	0.27510963	2.3413456	21	10 31.8	20.5
182232 2001 DJ_{4}	16.4	X	258.06988	348.87033	29.09508	8.13088	0.0672429	0.31052314	2.1597662	21	6 12.2	19.1
182233 2001 DT_{4}	16.8	X	70.38474	95.05528	47.05333	5.88883	0.0494583	0.29927236	2.2135618	21	3 29.9	19.1
182234 2001 DH_{9}	16.7	X	45.75084	332.81291	164.52941	8.48971	0.0774754	0.29480237	2.2358813	21	2 8.2	18.8
182235 2001 DY_{14}	16.8	X	312.28087	26.08331	159.85026	4.78056	0.1438992	0.28721417	2.2750912	21	—	—
182236 2001 DV_{17}	17.0	X	329.52193	123.11729	38.01562	5.25024	0.0878360	0.28661313	2.2782707	21	—	—
182237 2001 DT_{33}	16.5	X	346.13240	63.21917	129.15307	6.57517	0.0821365	0.29200543	2.2501360	21	1 21.9	18.9
182238 2001 DW_{45}	16.5	X	248.46390	261.13420	322.35179	4.92178	0.1390476	0.28232883	2.3012611	21	—	—
182239 2001 DS_{78}	15.0	X	161.62180	163.05922	69.93463	2.19015	0.1712253	0.12461804	3.9696186	21	11 14.3	21.3
182240 2001 DL_{93}	17.6	X	308.86027	68.85149	133.50718	3.97165	0.1661038	0.28905723	2.2654101	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
182241 2001 EF_{14}	16.5	X	15.15232	88.33241	91.19008	8.36274	0.0728408	0.29394580	2.2402228	21	2 23.8	18.9
182242 2001 ED_{21}	16.6	X	284.11611	352.57914	208.42610	5.26862	0.1714533	0.28419899	2.2911544	21	—	—
182243 2001 FV_{9}	16.3	X	174.29852	116.44492	105.41170	8.99983	0.1655657	0.27009776	2.3702204	21	11 30.7	20.1
182244 2001 FF_{17}	16.3	X	214.28930	66.25036	187.26991	11.67471	0.2018860	0.27787125	2.3258068	21	—	—
182245 2001 FU_{19}	16.7	X	175.78125	72.91801	197.81625	4.60370	0.2119576	0.27503450	2.3417719	21	—	—
182246 2001 FE_{45}	16.8	X	158.10262	267.10952	303.42078	3.40197	0.1391569	0.26741728	2.3860328	21	10 30.1	20.6
182247 2001 FP_{52}	17.0	X	197.04971	141.57395	21.46906	2.31727	0.1454092	0.26757863	2.3850735	21	10 9.4	20.5
182248 2001 FJ_{71}	16.9	X	279.43931	133.02043	66.27234	5.64403	0.1637059	0.28161598	2.3051429	21	—	—
182249 2001 FG_{72}	16.7	X	331.47019	106.60099	89.08589	5.16647	0.0771276	0.28811702	2.2703358	21	1 7.4	19.2
182250 2001 FZ_{81}	17.0	X	323.00179	207.69984	299.25355	5.02678	0.1892637	0.28343782	2.2952545	21	—	—
182251 2001 FZ_{93}	16.3	X	15.21293	78.50653	62.47912	7.20354	0.0731833	0.28918961	2.2647187	21	—	—
182252 2001 FW_{98}	16.6	X	349.02468	19.39808	93.60871	7.13059	0.1731263	0.28349004	2.2949726	21	—	—
182253 2001 FV_{102}	16.7	X	114.34210	275.37074	187.08891	4.55548	0.0990341	0.29985395	2.2106986	21	4 13.9	19.3
182254 2001 FV_{103}	17.0	X	291.75896	40.16926	164.24281	5.14748	0.0854069	0.28541259	2.2846550	21	—	—
182255 2001 FM_{108}	16.7	X	7.86269	333.62295	189.47223	3.09652	0.0591040	0.29039798	2.2584318	21	1 16.7	19.0
182256 2001 FR_{145}	16.9	X	251.84941	87.85159	157.70486	4.40019	0.1119532	0.28438467	2.2901570	21	—	—
182257 2001 FJ_{147}	16.4	X	245.69433	293.29837	310.26710	7.09774	0.0962299	0.28235721	2.3011069	21	—	—
182258 2001 FR_{168}	16.7	X	239.18735	81.98106	171.52476	5.37306	0.1397310	0.28281536	2.2986211	21	—	—
182259 2001 FZ_{185}	16.9	X	27.17840	100.83370	48.31377	5.83536	0.1012511	0.29256123	2.2472853	21	1 26.8	19.0
182260 2001 GA_{3}	16.4	X	249.12402	121.88580	141.90997	22.71170	0.2819619	0.28284209	2.2984763	21	—	—
182261 2001 GN_{9}	16.4	X	187.10174	176.77355	91.40648	5.77241	0.2123297	0.27413330	2.3469015	21	—	—
182262 Solene	17.1	X	136.11951	122.16877	32.25613	2.96305	0.1334879	0.25648386	2.4533679	21	7 28.8	20.7
182263 2001 HQ_{8}	16.4	X	247.06314	123.37691	158.12687	22.74816	0.3004199	0.28133530	2.3066758	21	1 11.7	20.9
182264 2001 HW_{10}	16.8	X	223.92040	47.06900	214.85312	1.81978	0.1333818	0.27945619	2.3170046	21	—	—
182265 2001 HX_{19}	16.8	X	231.54559	109.67932	190.21753	2.70643	0.2152581	0.28795719	2.2711759	21	1 22.4	20.6
182266 2001 HO_{25}	16.9	X	182.04890	266.46139	31.09891	5.23414	0.2399039	0.27628907	2.3346776	21	—	—
182267 2001 HK_{26}	16.5	X	33.49279	234.42555	210.08037	20.58945	0.2739364	0.28325551	2.2962392	21	—	—
182268 2001 HT_{26}	16.6	X	13.67754	82.99164	68.60718	4.10047	0.1044428	0.23861275	2.5743857	21	1 20.7	19.4
182269 2001 HF_{33}	16.5	X	258.01487	35.46766	219.78998	8.52279	0.1483940	0.28246375	2.3005283	21	—	—
182270 2001 HK_{42}	17.0	X	297.47440	27.23661	160.45196	4.77093	0.1703417	0.28223288	2.3017826	21	—	—
182271 2001 HQ_{54}	16.9	X	195.34692	197.48434	33.70323	2.10588	0.1431913	0.27149238	2.3620964	21	—	—
182272 2001 HS_{59}	16.6	X	224.22365	268.11425	24.07438	7.10003	0.1412651	0.28299277	2.2976603	21	1 9.0	20.2
182273 2001 KA	16.5	X	165.97178	102.93989	140.65015	6.85276	0.0670584	0.26864486	2.3787585	21	12 23.9	19.8
182274 2001 KY_{1}	14.5	X	289.34070	43.91852	294.68334	8.50132	0.4989758	0.19359230	2.9594477	21	4 5.9	19.8
182275 2001 KA_{9}	16.2	X	283.77657	204.45097	87.04239	5.66273	0.2123419	0.23912201	2.5707293	21	3 8.3	20.1
182276 2001 KA_{10}	16.4	X	187.21037	187.44968	87.46275	5.30226	0.1367718	0.27382885	2.3486407	21	—	—
182277 2001 KD_{13}	17.0	X	236.56675	74.05725	185.51731	4.05357	0.2275179	0.27802677	2.3249394	21	—	—
182278 2001 KG_{18}	16.9	X	169.03543	321.60626	3.50467	2.71287	0.2018580	0.27967761	2.3157815	21	1 1.3	20.3
182279 2001 KC_{22}	16.8	X	49.48742	178.84311	107.62522	2.18627	0.1661382	0.25632426	2.4543863	21	10 15.7	19.7
182280 2001 KA_{23}	16.5	X	145.81039	240.43851	53.81043	5.38261	0.2312160	0.26935639	2.3745676	21	—	—
182281 2001 KX_{23}	16.5	X	180.26227	13.50920	273.38509	3.18297	0.2348352	0.27342017	2.3509804	21	—	—
182282 2001 KU_{25}	17.1	X	227.97651	313.73724	254.69559	5.24844	0.1845463	0.27331313	2.3515942	21	—	—
182283 2001 KT_{27}	16.8	X	194.70874	185.82512	69.23606	3.44432	0.1607261	0.27229762	2.3574373	21	—	—
182284 2001 KA_{35}	16.6	X	161.41959	194.95320	91.84725	6.21089	0.2223412	0.27068666	2.3667814	21	—	—
182285 2001 KB_{35}	16.5	X	176.08715	67.42391	204.66807	3.17801	0.1438677	0.27157992	2.3615888	21	—	—
182286 2001 KD_{49}	16.3	X	171.20230	210.23485	68.19042	3.41680	0.2081624	0.27093191	2.3653529	21	—	—
182287 2001 KE_{52}	16.6	X	195.62490	107.63392	186.93208	2.59926	0.1522575	0.27751739	2.3277835	21	—	—
182288 2001 KN_{58}	16.7	X	208.11379	119.11687	168.22344	6.89169	0.1936244	0.27677254	2.3319579	21	—	—
182289 2001 KN_{59}	15.0	X	329.61927	99.00883	232.18312	12.78797	0.2516131	0.24533035	2.5271743	21	6 30.1	17.3
182290 2001 KN_{68}	16.7	X	106.13068	146.18579	157.31769	8.14780	0.2176299	0.26563095	2.3967180	21	—	—
182291 2001 KV_{72}	16.6	X	109.86253	280.23090	8.58643	1.23504	0.1779315	0.26490870	2.4010723	21	12 23.0	20.3
182292 2001 KZ_{73}	17.0	X	269.99057	146.36586	75.74389	6.65725	0.1469858	0.28068827	2.3102193	21	—	—
182293 2001 KJ_{75}	16.5	X	207.65785	171.70742	110.75096	14.03586	0.2481557	0.27670268	2.3323504	21	—	—
182294 2001 KU_{76}	6.6	X	359.54726	206.34142	45.04286	10.65932	0.1660397	0.00324481	45.1865898	21	5 31.0	22.4
182295 2001 LJ_{13}	16.3	X	219.97731	29.40003	218.83577	6.86385	0.1853957	0.27450072	2.3448067	21	—	—
182296 2001 MN_{12}	15.8	X	303.44747	279.13013	71.92590	8.13950	0.3373025	0.24309663	2.5426315	21	5 27.5	18.7
182297 2001 MH_{14}	15.7	X	270.76249	351.18183	309.05907	7.04971	0.1862322	0.23342019	2.6124247	21	3 4.3	19.8
182298 2001 MM_{20}	16.1	X	62.80008	234.42508	78.58443	6.84124	0.1337195	0.25733899	2.4479300	21	12 1.2	19.5
182299 2001 NE_{1}	16.8	X	87.50538	271.69574	17.03801	1.34558	0.1697073	0.25803982	2.4434956	21	11 30.6	20.5
182300 2001 NG_{2}	17.0	X	180.23957	151.86850	112.92578	4.67467	0.1568049	0.26811957	2.3818645	21	—	—
182301 2001 NN_{19}	15.1	X	175.54333	70.25405	314.10138	10.53583	0.2761804	0.22901514	2.6458177	21	3 24.2	20.0
182302 2001 NC_{22}	16.0	X	9.57967	184.18334	136.12300	10.15574	0.1404866	0.24730816	2.5136825	21	9 25.4	18.6
182303 2001 NR_{22}	17.1	X	79.99144	236.38796	93.38517	2.51957	0.1949203	0.25843139	2.4410268	21	—	—
182304 2001 OV_{7}	15.0	X	268.22376	51.69888	238.29536	3.37798	0.2806295	0.18200960	3.0837076	21	2 16.5	20.1
182305 2001 OY_{7}	15.6	X	315.24776	17.61707	303.16119	13.30782	0.1234044	0.24076170	2.5590442	21	6 8.2	18.8
182306 2001 OK_{25}	16.2	X	260.65031	218.68974	155.40469	10.50692	0.2107025	0.24026301	2.5625840	21	5 28.2	20.2
182307 2001 OF_{36}	17.4	X	229.85578	254.95678	118.16142	25.23268	0.0442947	0.38517655	1.8708092	21	5 7.9	20.2
182308 2001 OU_{41}	16.6	X	110.77534	204.73611	95.68701	7.72360	0.1237135	0.26105720	2.4246307	21	—	—
182309 2001 OV_{41}	15.8	X	302.52549	310.85837	45.99323	6.76555	0.2835680	0.24266518	2.5456444	21	6 11.7	18.9
182310 2001 OO_{43}	16.8	X	223.88636	307.75544	330.80207	18.38807	0.0646259	0.36893035	1.9253357	21	—	—
182311 2001 OY_{55}	15.9	X	251.65618	173.24800	198.39448	13.55371	0.1728342	0.23503464	2.6004477	21	5 19.0	20.0
182312 2001 OT_{59}	16.5	X	47.57062	87.15597	246.53035	1.15451	0.2014527	0.25688139	2.4508362	21	12 18.5	19.8
182313 2001 OK_{61}	16.1	X	258.89367	294.03572	58.36709	5.31683	0.2761514	0.23666212	2.5885122	21	4 21.8	20.4
182314 2001 ON_{62}	17.4	X	187.11397	354.95272	326.11787	17.90016	0.0692099	0.37298716	1.9113496	21	—	—
182315 2001 OF_{66}	15.5	X	110.25519	262.39109	68.75283	8.64716	0.2289325	0.26353394	2.4094154	21	—	—
182316 2001 OT_{86}	16.5	X	336.10817	112.91556	194.19469	4.30635	0.2730653	0.24309952	2.5426113	21	6 4.8	18.6
182317 2001 OM_{88}	16.7	X	297.49744	171.26268	155.49338	1.74214	0.1204025	0.24008743	2.5638332	21	5 21.4	19.9
182318 2001 OE_{91}	15.9	X	45.36309	192.06278	111.76166	7.47294	0.1249734	0.25275416	2.4774440	21	10 28.9	19.1
182319 2001 OA_{98}	16.6	X	164.33790	304.11486	338.50482	7.58102	0.2690057	0.26687145	2.3892851	21	—	—
182320 2001 OJ_{99}	16.8	X	127.94979	153.28526	124.54160	3.66145	0.1942745	0.26133006	2.4229427	21	12 25.0	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
182321 2001 OA_{104}	16.8	X	115.94020	4.59018	307.66747	1.92391	0.2043325	0.26337112	2.4104083	21	—	—
182322 2001 OR_{111}	15.9	X	115.52387	294.74379	91.77873	3.18408	0.1036143	0.22145591	2.7056889	21	1 16.9	19.3
182323 2001 OC_{113}	15.4	X	117.50667	244.06901	123.10895	22.91672	0.0723625	0.22010455	2.7167522	21	—	—
182324 2001 PP_{4}	15.4	X	108.56651	41.32458	236.08404	13.68871	0.2021029	0.25680942	2.4512941	21	12 8.1	19.4
182325 2001 PC_{5}	16.3	X	264.88795	319.46278	45.04790	5.91256	0.2746030	0.23824249	2.5770524	21	5 10.8	20.4
182326 2001 PH_{5}	16.5	X	73.25692	110.56084	202.15084	5.98697	0.1701063	0.25730073	2.4481726	21	12 16.3	20.1
182327 2001 PJ_{11}	16.8	X	110.58993	231.07713	98.21299	5.92730	0.2439032	0.26405839	2.4062241	21	—	—
182328 2001 PS_{13}	16.9	X	81.57239	196.10742	130.41232	3.48788	0.3795094	0.26027489	2.4294867	21	—	—
182329 2001 PH_{15}	16.0	X	228.92734	281.72623	82.74142	5.35889	0.2333400	0.23410268	2.6073447	21	4 15.9	20.5
182330 2001 PD_{18}	15.7	X	36.31805	266.06340	42.58235	8.16457	0.1584697	0.25136021	2.4865948	21	10 24.9	18.5
182331 2001 PN_{19}	16.1	X	30.90645	220.77912	94.46559	6.95655	0.1189750	0.25169088	2.4844164	21	10 22.2	19.1
182332 2001 PO_{24}	16.1	X	297.70547	4.33102	342.01814	13.28569	0.2812992	0.24054629	2.5605717	21	5 17.4	19.8
182333 2001 PP_{37}	16.2	X	52.37790	289.72709	43.40352	8.23244	0.1360352	0.25557314	2.4591928	21	12 13.5	19.5
182334 2001 PB_{43}	16.5	X	250.80703	297.38075	77.46736	7.59753	0.1844487	0.23757543	2.5818739	21	5 20.4	20.4
182335 2001 PV_{44}	16.4	X	124.00029	249.13340	36.83606	2.56106	0.2127772	0.26021899	2.4298347	21	12 31.8	20.6
182336 2001 PL_{52}	15.8	X	289.59392	336.99122	17.12949	14.89636	0.0940642	0.24046859	2.5611233	21	6 20.2	19.4
182337 2001 PV_{54}	15.1	X	140.12490	37.67678	336.91965	32.65265	0.0311089	0.22407026	2.6846020	21	2 2.5	19.2
182338 2001 PG_{65}	16.5	X	154.50568	143.51129	136.79936	10.28851	0.2141043	0.26357240	2.4091810	21	—	—
182339 2001 PZ_{66}	16.0	X	110.29067	250.81953	187.89885	21.87428	0.0868359	0.22484153	2.6784591	21	3 12.6	19.7
182340 2001 QM_{1}	16.2	X	130.69036	211.07826	151.03676	13.97095	0.1900349	0.21876876	2.7278000	21	1 16.1	20.2
182341 2001 QP_{3}	15.8	X	216.55079	270.62366	143.91521	6.80875	0.1375455	0.23883979	2.5727540	21	6 9.7	19.8
182342 2001 QA_{7}	16.2	X	277.54835	334.66617	320.10139	6.75521	0.1887915	0.23339563	2.6126079	21	3 4.8	20.3
182343 2001 QY_{8}	16.0	X	147.69623	18.90213	344.89097	5.28521	0.1586833	0.22209243	2.7005168	21	2 2.8	20.1
182344 2001 QJ_{10}	16.5	X	354.08343	178.19606	153.29185	2.01838	0.1524607	0.24700448	2.5157424	21	9 8.5	18.7
182345 2001 QH_{12}	15.1	X	122.11214	82.75835	330.89419	10.46108	0.1893207	0.22283321	2.6945284	21	3 8.9	19.0
182346 2001 QC_{15}	16.4	X	271.84936	208.01745	157.58121	6.01540	0.2095953	0.23976138	2.5661570	21	5 28.4	20.1
182347 2001 QU_{33}	16.6	X	111.58010	266.72182	147.67734	3.28849	0.1489375	0.22363578	2.6880779	21	2 22.2	20.2
182348 2001 QB_{35}	17.0	X	146.52913	299.26784	19.87828	1.30437	0.2382201	0.26855613	2.3792825	21	—	—
182349 2001 QN_{39}	16.9	X	124.34853	162.23599	116.64368	2.57347	0.1997675	0.26188741	2.4195038	21	12 23.5	20.8
182350 2001 QY_{43}	15.9	X	217.01252	235.60660	157.57075	5.53479	0.2787117	0.23467444	2.6031080	21	5 9.3	20.5
182351 2001 QF_{44}	17.6	X	101.92935	166.30374	136.97471	2.89246	0.2194567	0.26042987	2.4285228	21	—	—
182352 2001 QH_{45}	17.0	X	95.70508	309.59061	21.23362	0.53573	0.1955114	0.26191430	2.4193382	21	—	—
182353 2001 QG_{47}	17.0	X	114.31525	209.79212	113.60084	2.53483	0.1862378	0.26359293	2.4090559	21	—	—
182354 2001 QJ_{60}	16.2	X	48.86780	132.02642	180.15509	5.92290	0.1333369	0.25186225	2.4832894	21	11 12.9	19.3
182355 2001 QL_{61}	16.9	X	172.81791	118.45146	155.76545	6.92381	0.1480780	0.26654365	2.3912436	21	—	—
182356 2001 QV_{73}	16.1	X	243.10893	137.28654	214.05260	3.60055	0.2654147	0.23080311	2.6321358	21	4 7.1	20.5
182357 2001 QQ_{91}	16.4	X	15.91293	128.02928	213.92132	3.37198	0.1485061	0.25044644	2.4926395	21	11 5.5	18.9
182358 2001 QJ_{98}	15.8	X	143.99610	92.21854	201.75596	3.31452	0.1763597	0.26513794	2.3996881	21	—	—
182359 2001 QD_{114}	16.5	X	143.03240	138.35156	183.73779	7.96505	0.2468945	0.26769979	2.3843538	21	—	—
182360 2001 QU_{115}	15.7	X	72.54175	207.78051	199.07378	7.68967	0.2160492	0.21409186	2.7673831	21	—	—
182361 2001 QN_{120}	16.4	X	33.33915	170.18435	181.87434	7.31558	0.2770492	0.25597748	2.4566024	21	—	—
182362 2001 QZ_{122}	16.5	X	47.97750	297.27044	53.87154	3.86872	0.1179909	0.25723178	2.4486101	21	12 30.1	19.8
182363 2001 QW_{124}	17.1	X	115.17806	284.43640	37.83935	2.82252	0.2091582	0.26329732	2.4108587	21	—	—
182364 2001 QD_{125}	15.6	X	188.97217	207.53379	147.78312	16.09444	0.1040495	0.22669299	2.6638554	21	2 28.8	19.6
182365 2001 QK_{127}	15.7	X	159.35207	205.84478	172.78645	15.23941	0.1803332	0.22557498	2.6726501	21	3 3.4	20.0
182366 2001 QC_{136}	15.6	X	180.02576	171.04607	211.67936	11.62284	0.1856210	0.22487451	2.6781973	21	3 25.8	20.2
182367 2001 QY_{143}	16.1	X	41.66643	252.27449	165.85710	7.82707	0.2198508	0.21130017	2.7917048	21	—	—
182368 2001 QD_{145}	16.4	X	210.81641	33.10433	297.82506	1.84574	0.1111070	0.22579386	2.6709226	21	2 19.4	20.5
182369 2001 QD_{156}	16.5	X	224.31067	217.93149	170.47606	9.38052	0.1253109	0.23531924	2.5983506	21	5 17.1	20.6
182370 2001 QK_{156}	16.2	X	232.79315	179.48822	176.20229	7.91784	0.2049661	0.23249009	2.6193875	21	4 8.8	20.5
182371 2001 QR_{161}	16.9	X	148.98468	187.30903	104.94610	3.92818	0.1913466	0.26477365	2.4018887	21	—	—
182372 2001 QJ_{180}	16.8	X	92.05132	193.73411	131.72724	3.57450	0.1926609	0.25895858	2.4377127	21	—	—
182373 2001 QY_{181}	16.0	X	327.87039	283.88041	81.62925	6.71555	0.2412508	0.24471590	2.5314028	21	8 31.7	18.0
182374 2001 QY_{182}	15.8	X	296.73644	298.54060	77.71988	7.76979	0.2370625	0.24320149	2.5419006	21	7 9.9	18.8
182375 2001 QJ_{183}	16.2	X	323.74176	293.50701	332.39925	11.86566	0.1705089	0.23632305	2.5909876	21	3 23.9	19.5
182376 2001 QU_{192}	15.6	X	304.26357	87.71613	241.95526	9.07302	0.1569983	0.23844272	2.5756094	21	5 29.2	18.6
182377 2001 QW_{196}	16.9	X	71.65726	106.22815	213.51599	2.44404	0.1869535	0.25669132	2.4520459	21	12 24.8	20.5
182378 2001 QW_{198}	15.9	X	252.64085	167.57801	203.60949	9.44667	0.1465055	0.23204379	2.6227451	21	5 21.9	19.8
182379 2001 QX_{215}	16.4	X	309.58346	166.11952	149.88269	3.88189	0.2058034	0.23862640	2.5742876	21	5 11.1	19.5
182380 2001 QR_{230}	16.1	X	337.20732	124.28542	194.11340	9.53571	0.1011055	0.24256800	2.5463243	21	7 14.4	19.2
182381 2001 QL_{232}	17.0	X	117.98594	163.90076	166.52196	5.01070	0.2087432	0.26385706	2.4074479	21	—	—
182382 2001 QT_{240}	16.7	X	296.93709	161.46764	165.13268	4.70580	0.1961093	0.23761215	2.5816080	21	5 9.3	20.0
182383 2001 QJ_{241}	16.4	X	173.86102	216.79751	161.35676	2.50392	0.1705899	0.22522210	2.6754410	21	3 16.5	20.8
182384 2001 QR_{243}	15.8	X	131.60473	202.42658	186.14222	9.67720	0.2907265	0.21950671	2.7216828	21	2 28.2	20.2
182385 2001 QA_{244}	15.5	X	124.40006	215.67793	174.27050	9.98575	0.2100002	0.21877095	2.7277817	21	2 13.9	19.6
182386 2001 QF_{253}	16.3	X	102.72959	277.39491	101.89152	4.42521	0.2040109	0.21641759	2.7475209	21	1 6.6	19.5
182387 2001 QQ_{254}	16.0	X	221.85516	298.48908	33.65471	6.51753	0.1228826	0.22942193	2.6426893	21	3 6.3	20.2
182388 2001 QT_{254}	16.3	X	329.43108	187.33900	121.72175	4.14805	0.1381198	0.24102897	2.5571521	21	6 14.2	19.1
182389 2001 QY_{255}	16.9	X	73.25304	259.49687	41.36419	2.77920	0.1901566	0.25505253	2.4625381	21	12 2.9	20.4
182390 2001 QD_{261}	15.7	X	265.70319	5.26171	325.95126	11.14708	0.0708955	0.23211632	2.6221987	21	4 17.1	19.5
182391 2001 QD_{266}	15.7	X	186.20223	111.25548	180.23198	12.54306	0.1799208	0.27101275	2.3648825	21	—	—
182392 2001 QB_{269}	15.7	X	273.50622	297.00924	57.87041	6.91253	0.3097460	0.23524779	2.5988767	21	5 4.1	19.9
182393 2001 QG_{272}	15.8	X	231.67740	285.34413	349.71023	12.67825	0.1772148	0.22514889	2.6760209	21	1 5.1	20.5
182394 2001 QD_{279}	15.8	X	222.71792	314.04551	66.72655	7.17742	0.1296175	0.23406539	2.6076217	21	5 4.6	19.9
182395 2001 QL_{280}	16.0	X	95.68259	264.51117	31.55714	7.80438	0.1936889	0.25689669	2.4507389	21	12 18.5	20.0
182396 2001 QF_{287}	16.7	X	268.81404	6.54668	297.91496	3.61342	0.2503699	0.23246042	2.6196104	21	3 2.9	21.0
182397 2001 QW_{297}	5.9	X	68.99986	110.54127	140.91948	16.98258	0.2362529	0.00261893	52.1258380	21	9 12.9	22.9
182398 2001 QK_{333}	16.2	X	315.58592	303.71160	25.61441	14.89979	0.2272314	0.24158731	2.5532106	21	5 31.1	19.3
182399 2001 RX	15.6	X	162.70914	196.12722	188.11517	6.88240	0.3072695	0.22392682	2.6857483	21	3 21.2	20.4
182400 2001 RZ_{1}	16.1	X	254.85785	7.06033	342.63613	12.94456	0.0467765	0.23405739	2.6076811	21	4 30.8	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
182401 2001 RT_{15}	15.8	X	243.47044	160.47198	221.02212	4.46638	0.2543923	0.18765880	3.0215058	21	5 17.5	20.7
182402 2001 RQ_{18}	15.9	X	104.10936	225.64488	164.86774	13.95766	0.2096071	0.21806583	2.7336588	21	1 21.6	19.6
182403 2001 RK_{24}	17.0	X	233.32705	121.44705	225.76922	0.62160	0.2112109	0.23151265	2.6267550	21	3 28.4	21.2
182404 2001 RE_{32}	16.1	X	144.23619	13.96441	256.23992	4.09293	0.1778337	0.26212494	2.4180419	21	12 29.5	20.1
182405 2001 RW_{35}	16.4	X	257.20995	334.30140	330.73289	13.50916	0.1558955	0.23063284	2.6334310	21	2 28.8	20.5
182406 2001 RB_{38}	16.2	X	172.78435	239.40292	170.99834	4.60154	0.0723720	0.23079560	2.6321928	21	4 19.9	20.0
182407 2001 RD_{48}	16.3	X	277.18500	197.67997	186.72606	8.74917	0.1673551	0.23921953	2.5700306	21	7 3.4	19.9
182408 2001 RS_{53}	16.8	X	254.51390	320.90434	53.90481	2.47838	0.1621316	0.23748363	2.5825392	21	5 25.6	20.7
182409 2001 RC_{56}	16.2	X	181.52593	307.27799	101.03952	3.52089	0.1264540	0.23078318	2.6322872	21	4 28.9	20.2
182410 2001 RB_{59}	16.2	X	81.98782	39.43708	23.11903	9.36003	0.1795821	0.21729991	2.7400786	21	1 31.5	19.5
182411 2001 RU_{60}	16.2	X	56.20213	247.54764	147.78677	8.33123	0.2325663	0.20967559	2.8061064	21	—	—
182412 2001 RJ_{65}	15.8	X	240.99176	174.84650	203.88798	12.73498	0.1587318	0.23424830	2.6062640	21	5 18.3	19.9
182413 2001 RL_{66}	16.2	X	320.16767	119.74051	204.95639	9.45435	0.1846098	0.23960161	2.5672977	21	6 13.3	19.1
182414 2001 RZ_{73}	15.6	X	201.89329	340.80491	355.87213	15.24959	0.1240771	0.22332924	2.6905371	21	2 22.7	19.9
182415 2001 RZ_{75}	15.5	X	269.03456	161.69416	204.45490	12.40036	0.1904106	0.23416411	2.6068887	21	5 28.2	19.4
182416 2001 RR_{78}	15.3	X	226.03222	155.31285	193.50513	13.76150	0.1975813	0.22617864	2.6678925	21	3 24.6	19.8
182417 2001 RL_{81}	16.6	X	324.05536	309.03794	20.92494	2.07816	0.2283064	0.24124577	2.5556198	21	6 21.5	19.0
182418 2001 RW_{88}	15.8	X	245.40878	321.23151	8.20698	14.07246	0.1782013	0.23008603	2.6376017	21	3 20.9	20.0
182419 2001 RV_{98}	16.9	X	311.08026	194.08474	150.30467	7.07428	0.1806512	0.24274679	2.5450738	21	6 26.8	19.7
182420 2001 RQ_{99}	15.9	X	159.50023	29.28854	356.88680	8.18992	0.2340706	0.22528555	2.6749387	21	3 17.2	20.1
182421 2001 RC_{103}	15.5	X	193.75147	65.85888	333.77928	3.35043	0.0382551	0.18407290	3.0606204	21	4 30.6	20.0
182422 2001 RF_{104}	17.0	X	283.67252	173.42069	173.09613	1.55565	0.1571458	0.23862098	2.5743265	21	5 23.7	20.5
182423 2001 RR_{104}	15.5	X	248.81736	313.38391	59.84031	5.19040	0.1365134	0.18662163	3.0326904	21	5 22.6	20.1
182424 2001 RN_{113}	15.6	X	156.28109	297.18144	147.80358	5.98425	0.2265260	0.18058225	3.0999356	21	5 27.3	20.9
182425 2001 RR_{114}	16.2	X	146.99679	240.00456	144.75660	5.88263	0.0800722	0.22343710	2.6896712	21	2 17.8	19.9
182426 2001 RL_{118}	16.9	X	16.71470	259.11104	24.06212	1.94470	0.1002880	0.24289808	2.5440169	21	8 6.2	19.5
182427 2001 RS_{120}	16.3	X	183.04671	292.34901	135.00401	3.37392	0.1031630	0.23326117	2.6136118	21	5 23.7	20.3
182428 2001 RS_{126}	16.4	X	229.62275	204.27202	144.44299	8.31219	0.1905673	0.23050258	2.6344231	21	3 30.8	20.8
182429 2001 RZ_{129}	16.5	X	267.36481	319.72250	21.78434	3.36875	0.1173172	0.23467570	2.6030987	21	5 1.7	20.2
182430 2001 RF_{131}	16.4	X	195.18773	259.31349	147.38396	3.87426	0.0840956	0.23212876	2.6221050	21	5 10.4	20.3
182431 2001 RD_{132}	16.0	X	230.06167	8.89592	9.08608	12.29369	0.1099613	0.23351146	2.6117438	21	5 4.7	20.1
182432 2001 RJ_{134}	16.3	X	38.51055	344.35774	82.99219	3.58150	0.2199771	0.21101686	2.7942030	21	—	—
182433 2001 RR_{134}	16.7	X	2.22540	229.26567	115.04111	4.44361	0.1704769	0.24792684	2.5094990	21	10 19.6	19.1
182434 2001 RH_{136}	16.0	X	149.82611	322.01302	46.27321	6.84919	0.1284898	0.22071318	2.7117555	21	2 9.1	20.1
182435 2001 RE_{140}	16.2	X	100.08392	6.68846	22.02507	6.58688	0.0738891	0.21660051	2.7459738	21	—	—
182436 2001 SJ_{1}	16.5	X	274.76448	349.60467	346.60435	5.12796	0.2342295	0.23488819	2.6015285	21	4 17.5	20.4
182437 2001 SS_{11}	16.1	X	92.13069	225.89284	348.00671	13.54165	0.0894759	0.24381886	2.5376079	21	8 23.1	19.6
182438 2001 SO_{15}	16.5	X	191.96306	348.79028	37.73912	2.43574	0.1086841	0.22894955	2.6463230	21	4 10.7	20.5
182439 2001 SS_{17}	16.3	X	208.57309	350.10473	85.18789	2.13542	0.0334569	0.23776061	2.5805332	21	7 3.9	19.9
182440 2001 SB_{19}	15.7	X	212.50269	171.80476	172.59262	9.28043	0.1060770	0.22652934	2.6651382	21	3 9.7	19.7
182441 2001 SB_{21}	16.3	X	224.63071	341.04650	59.77968	4.36476	0.1719062	0.23338497	2.6126875	21	5 28.1	20.3
182442 2001 SD_{24}	15.8	X	78.83224	77.22514	357.78827	9.10129	0.1653373	0.21758433	2.7376902	21	2 9.2	19.0
182443 2001 SB_{26}	16.8	X	93.17201	105.37236	175.48586	2.44659	0.1663060	0.25293440	2.4762669	21	11 26.1	20.5
182444 2001 SQ_{26}	16.2	X	332.13670	96.40067	184.32841	3.05631	0.0243872	0.23385494	2.6091858	21	5 22.6	19.5
182445 2001 SD_{30}	12.8	X	272.45391	155.81889	192.14523	17.28680	0.0590846	0.08454500	5.1413529	21	6 2.4	19.8
182446 2001 SC_{31}	15.8	X	84.52111	345.75519	22.76946	8.65797	0.2314944	0.21076491	2.7964293	21	—	—
182447 2001 SL_{31}	15.5	X	50.27377	151.42365	19.47115	15.58947	0.0668990	0.22824660	2.6517536	21	4 16.3	18.6
182448 2001 SP_{38}	16.1	X	273.33929	133.44641	185.85310	13.50466	0.1174478	0.23097704	2.6308142	21	4 11.8	19.8
182449 2001 SW_{40}	15.8	X	95.33724	49.79895	25.56024	12.97923	0.1452176	0.21887395	2.7269259	21	3 5.8	19.5
182450 2001 SJ_{46}	16.1	X	259.46110	222.55129	106.00496	4.01425	0.1284124	0.23103754	2.6303549	21	4 7.6	19.9
182451 2001 SG_{50}	16.4	X	227.22705	242.47806	122.24133	5.09051	0.2292252	0.23035599	2.6355406	21	4 15.4	21.0
182452 2001 SJ_{50}	15.1	X	16.06812	77.30517	34.37896	15.81877	0.1946172	0.21193344	2.7861408	21	—	—
182453 2001 SB_{53}	16.1	X	211.02043	335.93737	23.56469	12.46518	0.1967413	0.22710933	2.6605988	21	3 28.2	20.5
182454 2001 SV_{62}	15.6	X	111.14071	3.27389	8.16456	7.55464	0.3032876	0.21340090	2.7733534	21	1 24.9	19.6
182455 2001 SO_{63}	17.2	X	45.52811	118.57379	17.43228	21.82152	0.0251005	0.37115753	1.9176258	21	1 30.5	19.6
182456 2001 SG_{64}	16.1	X	87.48729	231.03219	170.58520	5.25276	0.1665453	0.21310633	2.7759085	21	1 7.5	19.4
182457 2001 SO_{64}	16.5	X	241.08159	176.81261	172.48128	5.10031	0.3079463	0.23057070	2.6339042	21	4 2.2	21.2
182458 2001 SF_{69}	15.7	X	284.31341	185.85853	194.68347	15.10788	0.1903505	0.23757150	2.5819024	21	7 3.1	19.5
182459 2001 SZ_{72}	15.5	X	225.94283	312.07398	55.74234	12.62322	0.2025034	0.22792273	2.6542650	21	4 20.4	20.0
182460 2001 SC_{81}	16.4	X	237.41025	183.99977	221.19265	3.62975	0.1001385	0.23969675	2.5666183	21	6 22.3	20.1
182461 2001 SK_{81}	16.0	X	203.15748	246.52662	172.05211	9.16359	0.1348473	0.23617077	2.5921012	21	6 2.2	20.2
182462 2001 SY_{82}	17.1	X	124.23574	80.49281	196.93564	2.07178	0.1802548	0.25928056	2.4356941	21	12 20.9	21.1
182463 2001 SK_{85}	16.5	X	135.68006	169.39750	195.88908	5.94629	0.0430481	0.21991376	2.7183233	21	1 5.9	20.4
182464 2001 SH_{88}	15.8	X	229.99122	329.62043	346.88515	14.80037	0.1133573	0.22715227	2.6602635	21	2 23.2	20.0
182465 2001 SF_{91}	16.0	X	73.75687	202.91693	194.45546	5.87370	0.0066030	0.21533861	2.7566912	21	—	—
182466 2001 SF_{92}	16.7	X	210.91751	72.50006	279.70559	1.57703	0.1392347	0.22822043	2.6519563	21	3 16.6	21.0
182467 2001 SO_{92}	16.4	X	346.06517	322.09539	334.98690	4.33234	0.0407389	0.23965901	2.5668877	21	7 4.2	19.6
182468 2001 SP_{93}	16.1	X	100.04113	226.81539	346.02743	6.95658	0.1497499	0.24451204	2.5328096	21	9 5.2	19.6
182469 2001 SD_{96}	16.9	X	347.77917	332.03697	347.15444	3.70149	0.0235495	0.24222891	2.5487001	21	8 8.4	20.0
182470 2001 SR_{97}	16.3	X	184.41041	23.64582	344.14129	4.93341	0.1090112	0.22589807	2.6701011	21	3 10.4	20.3
182471 2001 SS_{101}	15.9	X	198.71651	164.25750	204.98447	8.09434	0.1363830	0.22726802	2.6593602	21	3 25.7	20.2
182472 2001 SF_{102}	15.8	X	356.22590	250.77552	219.30870	3.43437	0.2201942	0.21031789	2.8003903	21	—	—
182473 2001 SE_{105}	16.3	X	299.84440	74.10207	254.64946	4.16912	0.1859226	0.23679190	2.5875663	21	5 16.1	19.4
182474 2001 SA_{110}	16.0	X	259.11205	304.87994	11.00447	11.96532	0.3029996	0.22901836	2.6457929	21	3 9.6	20.6
182475 2001 SL_{115}	16.9	X	80.41797	252.75349	208.73516	20.63758	0.0975755	0.36852614	1.9267433	21	1 21.2	19.0
182476 2001 SD_{116}	15.6	X	109.34802	234.87487	142.88891	8.51482	0.2319665	0.21387696	2.7692365	21	1 17.5	19.3
182477 2001 SB_{118}	16.1	X	324.51937	69.82650	238.84068	6.43227	0.0281348	0.23806768	2.5783137	21	6 18.3	19.3
182478 2001 SM_{121}	16.2	X	279.64810	19.94601	303.18905	4.37541	0.2623382	0.23516860	2.5994601	21	4 2.3	20.3
182479 2001 SJ_{130}	15.8	X	235.24466	206.72614	208.57149	1.73985	0.1131269	0.18815660	3.0161741	21	7 2.1	20.4
182480 2001 SQ_{130}	17.1	X	19.74380	297.63864	355.66037	6.64722	0.1991517	0.24506608	2.5289908	21	9 9.0	19.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
182481 2001 SG_{136}	15.9	X	2.23050	270.90791	195.28898	10.15957	0.1569639	0.21103328	2.7940580	21	—	—
182482 2001 SJ_{137}	16.7	X	209.78446	198.96928	193.44541	4.82138	0.2133340	0.23096003	2.6309434	21	5 3.9	21.2
182483 2001 SB_{141}	16.3	X	267.10735	170.16683	187.64358	9.79383	0.1259968	0.23525776	2.5988033	21	5 23.9	20.1
182484 2001 SA_{142}	16.6	X	316.30274	87.98843	234.73800	3.15184	0.0872204	0.23880269	2.5730205	21	6 18.4	19.5
182485 2001 SW_{142}	16.0	X	267.15760	304.17859	344.94650	13.49553	0.0937457	0.22764673	2.6564100	21	2 28.3	19.7
182486 2001 SY_{143}	16.5	X	99.98895	200.43340	214.66287	4.17565	0.1068588	0.21945445	2.7221149	21	1 31.8	20.1
182487 2001 SK_{158}	12.5	X	302.59314	105.92009	198.62121	23.00533	0.0588071	0.08401966	5.1627621	21	5 19.1	19.4
182488 2001 SO_{158}	16.2	X	42.70224	73.90115	357.44835	12.79981	0.1734168	0.21158383	2.7892090	21	—	—
182489 2001 SU_{158}	15.1	X	56.31040	103.30668	342.46998	8.75896	0.1349762	0.21438505	2.7648594	21	1 12.7	18.3
182490 2001 SU_{164}	15.3	X	42.63118	58.86667	21.06446	13.86450	0.2089779	0.21061850	2.7977251	21	—	—
182491 2001 SN_{165}	16.3	X	146.55138	266.54957	130.75226	3.20047	0.0877476	0.22522149	2.6754459	21	3 6.3	20.2
182492 2001 SO_{173}	16.0	X	289.96117	328.17268	25.97233	14.03458	0.0719871	0.23707821	2.5854826	21	6 25.0	19.6
182493 2001 SK_{174}	16.5	X	153.72662	200.94292	144.96599	4.15338	0.1162644	0.21846411	2.7303353	21	1 13.0	20.5
182494 2001 SQ_{181}	15.8	X	98.74168	281.59870	153.82257	13.63055	0.1685822	0.22350009	2.6891658	21	3 8.6	19.2
182495 2001 SA_{190}	17.3	X	113.44431	97.88080	173.69441	0.69737	0.1881970	0.25670050	2.4519874	21	12 4.7	21.1
182496 2001 SL_{196}	16.8	X	136.43455	274.20016	164.49980	1.82784	0.0981482	0.22804670	2.6533030	21	4 16.9	20.4
182497 2001 SL_{200}	15.6	X	122.81348	219.86664	170.09768	5.25847	0.1425706	0.17036350	3.2226887	21	2 12.1	20.4
182498 2001 SV_{203}	16.5	X	137.92084	265.57852	147.80548	3.95688	0.1034378	0.22468146	2.6797311	21	3 18.7	20.2
182499 2001 SF_{207}	16.4	X	105.14501	278.28116	12.57661	14.46789	0.2045814	0.25713107	2.4492494	21	12 20.8	20.7
182500 2001 ST_{212}	16.1	X	7.82312	315.56853	160.68377	5.17102	0.0573729	0.21515270	2.7582789	21	—	—
182501 2001 SH_{219}	16.4	X	295.16800	288.98142	8.56525	1.82109	0.0833894	0.23210689	2.6222698	21	4 13.9	19.9
182502 2001 SQ_{224}	16.6	X	356.19451	235.86848	53.62018	3.59176	0.1501531	0.24003673	2.5641942	21	7 7.6	18.9
182503 2001 SQ_{242}	16.0	X	89.11742	286.17876	106.43136	3.79803	0.0944010	0.21421202	2.7663481	21	—	—
182504 2001 SP_{245}	16.0	X	191.28441	182.91314	196.47945	8.92768	0.0539308	0.22532688	2.6746116	21	3 30.4	19.8
182505 2001 SW_{245}	16.5	X	279.85639	133.83506	189.75896	1.81536	0.0836932	0.23126520	2.6286283	21	4 29.3	19.9
182506 2001 SL_{251}	12.5	X	308.27991	273.36925	36.02124	9.02429	0.1158677	0.08345425	5.1860545	21	5 22.3	19.1
182507 2001 SN_{251}	16.0	X	31.15907	70.01657	24.02868	15.48645	0.1431782	0.21131660	2.7915600	21	—	—
182508 2001 SA_{253}	16.7	X	339.46600	247.74604	89.24547	2.24371	0.1467575	0.24137243	2.5547257	21	8 16.7	19.0
182509 2001 SV_{255}	16.1	X	221.14925	185.75333	162.49321	5.86102	0.3198176	0.22677364	2.6632238	21	3 18.5	20.9
182510 2001 SZ_{255}	16.1	X	304.43289	240.90318	40.87221	8.48109	0.1097683	0.22938180	2.6429975	21	4 4.5	19.6
182511 2001 SC_{258}	15.6	X	83.84694	80.42207	13.57849	21.84602	0.0904352	0.22205012	2.7008598	21	3 8.3	19.3
182512 2001 SL_{268}	16.0	X	183.11256	184.74755	180.16091	5.58174	0.2582757	0.22249864	2.6972289	21	3 11.3	20.7
182513 2001 SM_{269}	16.5	X	32.45583	54.10331	201.37193	2.94364	0.0283300	0.23790326	2.5795015	21	7 14.0	19.8
182514 2001 SH_{274}	16.1	X	154.41408	336.88834	15.51265	6.11526	0.0715961	0.21827371	2.7319228	21	1 18.7	20.0
182515 2001 SS_{276}	16.8	X	214.60905	141.02975	215.37365	20.06938	0.0826250	0.37515148	1.9039912	21	3 2.0	19.5
182516 2001 SK_{293}	13.6	X	266.11426	172.95772	173.87406	11.23920	0.0640669	0.08600024	5.0831891	21	5 25.2	20.6
182517 2001 SC_{294}	16.4	X	310.66367	41.22458	48.28675	2.03601	0.1761222	0.20163725	2.8801971	21	11 21.5	19.6
182518 2001 SL_{314}	16.4	X	334.62875	135.80204	211.70001	10.28749	0.1525573	0.24429450	2.5343130	21	8 17.3	19.1
182519 2001 ST_{317}	15.7	X	71.62520	264.77553	193.21883	14.42961	0.1889054	0.21730943	2.7399985	21	2 25.4	18.9
182520 2001 SU_{320}	16.2	X	309.27671	143.21810	184.37942	9.33532	0.0558708	0.23585386	2.5944226	21	6 19.1	19.6
182521 2001 SU_{327}	16.8	X	290.11303	189.69124	152.09474	7.79769	0.1637332	0.23743682	2.5828787	21	5 26.5	20.3
182522 2001 SZ_{337}	13.4	X	251.00035	3.76731	339.10704	3.53724	0.0880724	0.08240853	5.2298345	21	4 28.9	20.5
182523 2001 SK_{339}	15.9	X	176.61479	293.44658	47.72625	4.15031	0.0709317	0.22265346	2.6959785	21	1 28.5	19.8
182524 2001 SN_{342}	16.9	X	340.27943	134.45492	180.78052	3.96130	0.1196542	0.24013708	2.5634798	21	7 15.2	19.5
182525 2001 SX_{349}	16.3	X	252.38733	227.89007	133.59150	4.97649	0.0722580	0.23294364	2.6159864	21	5 17.9	19.9
182526 2001 SH_{353}	16.4	X	296.08242	125.09705	172.10368	4.90501	0.0542699	0.22958506	2.6414373	21	4 21.1	19.8
182527 2001 TW_{6}	15.8	X	70.43698	268.35379	183.79702	13.73164	0.0306675	0.21864362	2.7288406	21	1 27.9	19.6
182528 2001 TY_{9}	16.3	X	250.27379	153.10419	183.59799	6.12198	0.1263761	0.22973379	2.6402971	21	4 6.9	20.1
182529 2001 TE_{10}	16.1	X	108.29135	198.15027	209.61081	7.32712	0.1390463	0.21739483	2.7392810	21	2 6.5	19.8
182530 2001 TT_{10}	15.6	X	320.40303	263.95209	22.51302	12.60068	0.1278930	0.23242316	2.6198903	21	4 26.3	18.6
182531 2001 TO_{22}	16.3	X	53.91720	220.10708	172.99521	4.90101	0.1195654	0.20849257	2.8167113	21	—	—
182532 2001 TU_{23}	16.3	X	291.03331	57.07425	268.54438	1.17780	0.1121042	0.23329325	2.6133722	21	5 11.7	19.7
182533 2001 TA_{24}	15.9	X	56.26308	57.16943	355.16690	9.05965	0.2202308	0.21062729	2.7976473	21	—	—
182534 2001 TM_{25}	15.8	X	247.80030	1.17788	356.85248	11.78960	0.0698905	0.23121149	2.6290355	21	5 1.9	19.7
182535 2001 TL_{29}	15.3	X	67.35075	278.49365	204.50647	2.84946	0.0758140	0.17197629	3.2025088	21	3 18.9	19.5
182536 2001 TN_{31}	15.8	X	338.65420	315.45080	17.63812	13.64163	0.1909021	0.23984946	2.5655287	21	8 12.6	18.4
182537 2001 TH_{35}	15.4	X	153.23029	18.98863	33.19283	14.19917	0.1033220	0.22128757	2.7070609	21	4 5.8	19.5
182538 2001 TO_{39}	15.5	X	128.66335	355.26883	32.39991	10.77774	0.1220118	0.21439634	2.7647624	21	2 11.8	19.6
182539 2001 TS_{45}	16.6	X	20.61709	328.49854	91.31782	24.70379	0.1023621	0.35508431	1.9750665	21	—	—
182540 2001 TS_{49}	15.8	X	223.21823	339.72674	39.42166	15.32865	0.0915175	0.23136804	2.6278494	21	5 3.3	19.7
182541 2001 TP_{51}	12.7	X	327.20299	124.36240	181.39427	8.62913	0.0423259	0.08547287	5.1040766	21	6 20.3	19.4
182542 2001 TH_{57}	16.2	X	178.01365	140.73012	202.94829	5.83270	0.0431894	0.21989983	2.7184381	21	1 28.5	20.1
182543 2001 TQ_{62}	15.9	X	303.24976	128.71239	206.69243	13.19983	0.1315082	0.23613009	2.5923989	21	6 9.3	19.3
182544 2001 TF_{64}	16.3	X	62.77777	118.63867	287.31033	1.49569	0.1910868	0.20981866	2.8048307	21	—	—
182545 2001 TQ_{73}	15.6	X	322.00777	51.70420	47.88716	11.12870	0.1286526	0.20191784	2.8775282	21	12 28.1	19.0
182546 2001 TE_{82}	15.7	X	270.49278	101.06080	243.88757	6.44964	0.2063736	0.23489479	2.6014798	21	4 28.2	19.5
182547 2001 TK_{83}	16.2	X	345.11296	94.39144	216.96853	9.76616	0.0618467	0.23956126	2.5675859	21	7 19.0	19.4
182548 2001 TS_{83}	13.1	X	286.98060	95.95215	226.88109	9.48097	0.0454804	0.08471393	5.1345157	21	5 22.5	19.9
182549 2001 TG_{86}	16.3	X	301.50302	34.82761	284.29501	2.30945	0.1738006	0.23595057	2.5937137	21	5 6.8	19.4
182550 2001 TS_{86}	16.3	X	295.08055	343.36106	334.05393	2.16721	0.0320220	0.23298704	2.6156615	21	5 18.3	19.6
182551 2001 TP_{89}	16.8	X	42.59836	110.26289	310.06378	3.18901	0.1983018	0.20952828	2.8074215	21	—	—
182552 2001 TA_{100}	16.0	X	149.31097	20.69036	352.79988	5.39200	0.0531211	0.21880619	2.7274888	21	2 5.4	19.8
182553 2001 TW_{100}	16.1	X	248.29463	147.80949	206.39972	11.52712	0.2192161	0.23060545	2.6336396	21	4 18.6	20.3
182554 2001 TO_{111}	16.3	X	237.15864	76.59156	283.85789	2.70949	0.1191330	0.22935888	2.6431736	21	4 22.0	20.3
182555 2001 TZ_{112}	16.7	X	206.46559	82.88422	277.21106	2.66255	0.1193458	0.22529217	2.6748863	21	3 21.8	20.9
182556 2001 TD_{113}	15.9	X	102.93073	32.46292	2.48386	6.10363	0.0208816	0.21455736	2.7633789	21	1 1.5	19.7
182557 2001 TW_{114}	15.6	X	184.55650	352.58110	25.08612	14.57123	0.1770493	0.22319934	2.6915809	21	3 28.7	20.0
182558 2001 TX_{115}	15.4	X	90.81287	7.98718	36.92956	15.30575	0.1709215	0.21226989	2.7831960	21	1 22.6	19.1
182559 2001 TM_{126}	16.6	X	66.18170	242.96293	197.83888	1.12168	0.0517859	0.21753534	2.7381013	21	1 12.3	20.1
182560 2001 TE_{129}	16.8	X	230.46362	118.47103	221.05191	0.50046	0.1489217	0.22654719	2.6649983	21	3 19.8	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
182561 2001 TG_{130}	16.0	X	217.44986	93.61560	210.56675	5.94781	0.0475769	0.21873801	2.7280555	21	1 24.8	20.1
182562 2001 TK_{138}	16.3	X	322.71037	277.84490	51.72541	4.76846	0.0948092	0.24179660	2.5517371	21	7 8.7	19.2
182563 2001 TA_{139}	15.5	X	142.06449	23.44264	20.77413	15.67998	0.1158217	0.22492243	2.6778169	21	3 17.4	19.5
182564 2001 TL_{139}	16.7	X	290.06694	323.72458	33.70714	9.45183	0.1629601	0.23984960	2.5655277	21	6 14.2	20.2
182565 2001 TN_{145}	16.3	X	317.11730	260.30158	83.90281	5.52329	0.1443173	0.24018505	2.5631384	21	7 13.8	19.1
182566 2001 TT_{145}	16.2	X	166.46234	285.93312	66.50126	7.30209	0.0491483	0.21945706	2.7220933	21	1 30.3	20.1
182567 2001 TQ_{146}	16.4	X	62.00929	308.54953	92.28805	5.26839	0.1049470	0.21064568	2.7974844	21	—	—
182568 2001 TS_{148}	16.0	X	80.66072	258.78818	160.47061	6.97898	0.0367028	0.21542604	2.7559452	21	1 3.6	19.7
182569 2001 TN_{149}	16.5	X	242.91835	198.48481	149.23408	6.52219	0.1023055	0.22943413	2.6425956	21	4 16.9	20.4
182570 2001 TG_{151}	16.1	X	110.29142	249.24431	122.01388	5.00977	0.0944385	0.21314241	2.7755952	21	—	—
182571 2001 TP_{156}	16.3	X	42.58415	119.41346	35.42451	4.23254	0.1481578	0.22229605	2.6988674	21	3 22.9	19.1
182572 2001 TM_{158}	16.0	X	106.45521	30.48069	9.70352	11.58310	0.1036871	0.21863081	2.7289472	21	1 26.7	19.8
182573 2001 TF_{160}	16.2	X	273.84730	249.46444	111.35965	6.29553	0.2900846	0.23586341	2.5943526	21	5 15.2	20.3
182574 2001 TR_{164}	16.2	X	200.21870	323.13610	37.10656	4.22837	0.1048357	0.22418078	2.6837196	21	3 18.9	20.2
182575 2001 TC_{173}	15.9	X	99.79219	249.48525	172.38035	2.76382	0.0783930	0.21644392	2.7472982	21	2 6.5	19.4
182576 2001 TW_{174}	16.4	X	315.54125	256.29694	136.44491	2.93589	0.1654212	0.19475925	2.9476143	21	9 14.0	19.5
182577 2001 TB_{175}	16.6	X	163.13092	293.99542	43.23731	5.68972	0.1213803	0.21754660	2.7380068	21	1 14.5	20.8
182578 2001 TF_{175}	15.7	X	234.63263	194.42927	204.68347	13.05571	0.1662068	0.23717576	2.5847736	21	6 5.7	19.9
182579 2001 TK_{176}	16.9	X	304.02631	89.94202	230.32167	0.49741	0.1221533	0.23563917	2.5959983	21	5 21.4	20.1
182580 2001 TA_{177}	16.4	X	47.43624	125.92760	327.62584	4.17698	0.0094107	0.21660475	2.7459380	21	1 2.1	20.1
182581 2001 TA_{187}	16.5	X	96.37788	142.80580	268.90486	1.72160	0.0715647	0.21559176	2.7545328	21	1 19.6	20.0
182582 2001 TK_{192}	15.9	X	231.15611	313.09911	29.90890	12.48972	0.1867740	0.22655873	2.6649078	21	3 26.7	20.4
182583 2001 TH_{198}	16.6	X	325.12295	259.49142	59.81405	6.29697	0.2789729	0.24117293	2.5561344	21	5 28.3	18.8
182584 2001 TO_{207}	15.9	X	236.62357	18.92384	356.52451	2.22081	0.0954041	0.18286631	3.0740688	21	5 15.9	20.7
182585 2001 TB_{219}	15.9	X	84.11233	271.52968	143.20254	9.21505	0.1861730	0.21380865	2.7698263	21	1 22.0	19.2
182586 2001 TB_{224}	16.8	X	350.19542	315.89418	1.97675	5.53728	0.2482101	0.24165437	2.5527382	21	8 10.1	18.4
182587 2001 TX_{224}	16.0	X	51.60125	60.26427	357.54645	4.67976	0.0491413	0.20920380	2.8103237	21	—	—
182588 2001 TA_{226}	15.4	X	252.00014	214.57617	125.86496	13.98918	0.1879262	0.23231167	2.6207285	21	4 13.3	19.8
182589 2001 TV_{230}	15.6	X	145.95200	162.18455	138.18309	9.69013	0.1110945	0.21182857	2.7870603	21	—	—
182590 2001 TA_{245}	17.0	X	90.46422	128.79353	278.60948	1.01768	0.0805045	0.21734300	2.7397164	21	1 7.0	20.2
182591 2001 TG_{247}	16.5	X	264.06569	86.02645	168.74202	4.86565	0.0581061	0.22140054	2.7061400	21	1 16.2	20.3
182592 Jolana	16.2	X	0.27387	92.51156	142.28817	6.68491	0.0692262	0.23187919	2.6239861	21	4 30.0	19.4
182593 2001 UL_{1}	16.1	X	26.14525	176.92387	31.70304	2.58166	0.0554890	0.22835734	2.6508963	21	5 1.8	19.3
182594 2001 UD_{2}	16.9	X	281.48402	265.81064	50.38691	23.19368	0.0762507	0.37914578	1.8905953	21	4 16.2	19.1
182595 2001 UH_{18}	15.9	X	197.09657	181.64751	192.85523	5.07698	0.2225089	0.22484063	2.6784663	21	4 1.6	20.5
182596 2001 US_{21}	16.4	X	147.73014	198.07365	214.73629	20.48897	0.0883153	0.37486408	1.9049642	21	2 25.7	18.8
182597 2001 UE_{28}	15.9	X	116.89374	77.12521	37.08612	12.45969	0.0749674	0.22788847	2.6545311	21	5 5.3	19.6
182598 2001 UA_{32}	15.8	X	210.54431	176.65872	119.20356	6.41749	0.0023085	0.21610663	2.7501559	21	1 8.3	19.4
182599 2001 UE_{33}	16.6	X	337.05359	271.99097	74.03444	8.20269	0.2999964	0.24358241	2.5392498	21	8 18.1	18.1
182600 2001 UL_{35}	15.3	X	37.78460	17.09900	76.42286	15.19725	0.1290895	0.21134794	2.7912841	21	—	—
182601 2001 UF_{41}	16.0	X	234.20632	220.43401	86.47095	4.50256	0.0674275	0.22185001	2.7024837	21	2 17.9	19.9
182602 2001 UC_{43}	15.9	X	70.77706	279.07395	181.79954	6.01173	0.0840897	0.21856050	2.7295325	21	2 15.6	19.2
182603 2001 UF_{43}	16.3	X	259.08485	302.72499	54.70252	5.61889	0.1127951	0.23257499	2.6187500	21	5 14.2	20.1
182604 2001 UK_{47}	16.1	X	271.87328	345.15226	106.42070	0.87179	0.2589852	0.19098744	2.9862960	21	9 9.4	20.3
182605 2001 UM_{47}	16.4	X	309.24488	272.69968	71.48915	4.42692	0.2181638	0.23816058	2.5776432	21	6 16.6	19.1
182606 2001 UU_{47}	15.7	X	296.60815	172.23855	195.31005	14.36915	0.1680378	0.23818097	2.5774961	21	7 6.5	19.1
182607 2001 UN_{48}	16.0	X	8.88378	242.71435	91.75994	7.75770	0.2253466	0.24526901	2.5275957	21	10 27.1	18.4
182608 2001 UN_{49}	15.5	X	231.83109	144.49012	198.67544	14.23567	0.1240303	0.22514006	2.6760910	21	3 25.9	19.8
182609 2001 US_{58}	16.3	X	45.60357	82.35305	3.22795	2.34414	0.0803880	0.21334417	2.7738450	21	—	—
182610 2001 UX_{58}	15.6	X	25.22433	335.66611	213.94105	9.96101	0.0944532	0.22563397	2.6721842	21	4 3.7	18.7
182611 2001 UJ_{59}	16.7	X	281.88743	105.70488	221.75764	2.08555	0.1599535	0.23281004	2.6169871	21	4 25.4	20.5
182612 2001 UX_{60}	16.1	X	90.64265	202.80982	211.85090	3.68685	0.0848612	0.21641998	2.7475007	21	1 16.5	19.5
182613 2001 UJ_{61}	16.0	X	30.70728	228.46393	5.29188	5.38678	0.1043052	0.23421821	2.6064873	21	6 17.5	18.9
182614 2001 UT_{70}	16.2	X	32.09042	166.44803	225.01900	1.31350	0.1698946	0.20378923	2.8598850	21	—	—
182615 2001 UM_{79}	15.9	X	178.23840	177.19389	203.42443	5.67443	0.0303100	0.22280959	2.6947189	21	3 15.1	19.8
182616 2001 UL_{80}	16.3	X	149.64449	23.16003	47.40574	4.53721	0.0638904	0.22504517	2.6768431	21	4 18.7	20.0
182617 2001 UT_{82}	16.6	X	135.61689	300.98925	74.18524	3.21042	0.1592422	0.21606782	2.7504852	21	2 4.8	20.7
182618 2001 UT_{91}	16.1	X	140.86593	237.51279	190.14688	12.99209	0.1554007	0.22272359	2.6954125	21	4 14.8	20.2
182619 2001 UJ_{101}	16.2	X	174.85493	235.04610	142.06300	1.85598	0.1795170	0.17480576	3.1678569	21	3 21.5	21.4
182620 2001 UL_{101}	16.5	X	72.51465	30.46327	28.62216	2.94141	0.0814461	0.21452118	2.7636896	21	—	—
182621 2001 UO_{101}	16.0	X	231.14106	216.37234	133.26631	2.18671	0.1689639	0.17968301	3.1102697	21	4 5.8	21.1
182622 2001 UN_{106}	16.2	X	299.72980	146.47779	172.58708	4.27530	0.0740259	0.23206618	2.6225764	21	5 22.4	19.6
182623 2001 UO_{108}	15.9	X	118.35822	176.04465	200.14583	5.06938	0.0725486	0.21282249	2.7783761	21	1 4.0	19.8
182624 2001 UA_{114}	15.7	X	81.13282	257.72479	216.80403	29.64455	0.1657730	0.21973289	2.7198148	21	3 31.3	19.4
182625 2001 UF_{114}	12.4	X	354.90664	56.12834	218.16622	25.69633	0.0911039	0.08263605	5.2202305	21	6 15.3	19.1
182626 2001 UW_{117}	15.9	X	38.42815	353.68243	46.53230	10.09300	0.1324318	0.20488172	2.8497094	21	—	—
182627 2001 UC_{124}	12.8	X	248.06367	298.11610	71.06329	22.85230	0.0505643	0.08268271	5.2182663	21	5 30.9	19.8
182628 2001 UK_{126}	16.2	X	218.74654	286.43405	146.83706	10.77195	0.2764601	0.18267086	3.0762611	21	6 27.6	21.7
182629 2001 UM_{131}	16.0	X	149.82865	211.00463	192.99411	4.84536	0.0600676	0.22141738	2.7060028	21	3 14.3	19.9
182630 2001 UE_{138}	16.3	X	321.97671	311.14272	137.38181	2.58292	0.1180732	0.20158654	2.8806801	21	12 13.9	19.5
182631 2001 UP_{143}	16.0	X	340.03041	250.82339	43.09577	7.51856	0.1810173	0.23564813	2.5959324	21	6 5.4	18.4
182632 2001 UJ_{144}	16.8	X	233.12751	273.10275	85.04757	4.53419	0.1518884	0.22842760	2.6503527	21	4 16.1	20.9
182633 2001 UX_{145}	16.6	X	98.16657	341.72076	53.98426	4.58062	0.1508397	0.21294151	2.7773408	21	1 14.8	20.2
182634 2001 UV_{146}	16.4	X	54.03441	15.08902	75.60873	5.00466	0.0680187	0.21319373	2.7751498	21	1 10.3	19.8
182635 2001 UL_{148}	16.0	X	39.75245	41.56392	51.25753	3.08921	0.0534623	0.21234546	2.7825356	21	—	—
182636 2001 UJ_{151}	15.7	X	324.18940	269.43024	67.57591	10.68589	0.1248176	0.23665297	2.5885789	21	7 19.8	18.6
182637 2001 UR_{151}	16.4	X	47.82329	338.61500	62.05707	2.58231	0.1452893	0.20562607	2.8428281	21	—	—
182638 2001 UL_{152}	15.8	X	319.66662	94.05357	94.22332	4.92613	0.0351197	0.21281207	2.7784668	21	1 6.2	19.4
182639 2001 UM_{155}	16.1	X	278.71407	321.70551	116.03099	3.30019	0.2495296	0.19018339	2.9947069	21	9 2.4	20.2
182640 2001 UM_{156}	16.0	X	30.16485	11.70846	93.78584	3.78281	0.0398004	0.21178971	2.7874012	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
182641 2001 UH_{159}	15.5	X	297.64694	248.21442	57.88082	9.12720	0.2074181	0.23003555	2.6379876	21	4 13.6	19.2
182642 2001 UO_{160}	16.0	X	318.88550	262.49498	61.94608	6.30058	0.1729181	0.23476239	2.6024579	21	6 12.1	18.9
182643 2001 UO_{161}	15.8	X	156.35907	147.46599	224.92842	8.27835	0.1870784	0.21769933	2.7367260	21	2 20.1	20.3
182644 2001 UH_{162}	15.8	X	125.99292	189.47224	215.47351	6.57003	0.1552995	0.21640789	2.7476031	21	2 26.7	19.8
182645 2001 UL_{162}	16.1	X	227.32243	151.12409	214.33288	8.91444	0.1756009	0.22654882	2.6649855	21	4 16.2	20.3
182646 2001 UH_{165}	15.4	X	195.62594	303.69953	96.42066	10.52530	0.1080714	0.18016229	3.1047510	21	5 7.9	20.4
182647 2001 UA_{170}	12.6	X	312.07831	282.87126	24.25865	12.15056	0.0996355	0.08261259	5.2212188	21	5 25.3	19.4
182648 2001 UJ_{175}	16.1	X	131.85357	233.31205	115.10115	4.84624	0.1222725	0.21326396	2.7745405	21	—	—
182649 2001 UT_{176}	16.5	X	261.80922	154.33241	208.82320	3.62327	0.0456261	0.23317908	2.6142252	21	6 3.6	20.1
182650 2001 UL_{177}	15.9	X	208.60228	115.09240	221.22465	4.77350	0.0854043	0.22196424	2.7015564	21	2 22.8	20.1
182651 2001 UD_{178}	16.4	X	337.34459	279.38757	61.55046	4.36618	0.3343019	0.24177692	2.5518755	21	7 31.9	17.6
182652 2001 UU_{182}	16.1	X	141.39572	336.03484	106.71735	3.89775	0.0751077	0.22695376	2.6618146	21	4 26.7	19.8
182653 2001 UK_{187}	16.0	X	38.26811	302.20439	192.71793	10.75306	0.1747977	0.21931690	2.7232529	21	2 11.2	18.9
182654 2001 UC_{188}	16.0	X	98.66943	295.52702	121.47265	7.41869	0.0794567	0.21523287	2.7575940	21	1 31.2	19.5
182655 2001 UE_{194}	16.5	X	322.82158	247.15306	49.55779	3.43145	0.0714919	0.23421924	2.6064796	21	5 24.5	19.7
182656 2001 UF_{195}	16.6	X	182.83044	186.33825	193.14926	3.45639	0.0417272	0.22464353	2.6800327	21	3 20.4	20.3
182657 2001 UZ_{195}	16.7	X	215.53622	281.93399	152.77403	2.85577	0.2314073	0.18339207	3.0681907	21	6 28.8	21.9
182658 2001 UE_{196}	15.8	X	51.22197	44.93960	206.82811	2.91518	0.2124711	0.23960747	2.5672558	21	9 3.4	18.7
182659 2001 UK_{196}	16.6	X	51.89643	85.62316	330.92894	3.09862	0.0911977	0.20909377	2.8113095	21	—	—
182660 2001 UT_{197}	15.9	X	41.78728	75.24252	355.72594	3.99526	0.0483703	0.21232854	2.7826834	21	—	—
182661 2001 UY_{201}	16.7	X	264.63384	350.77019	337.05283	3.04506	0.0989623	0.22973376	2.6402973	21	4 12.6	20.5
182662 2001 UG_{203}	16.1	X	325.70201	179.82702	331.55397	1.35335	0.0140035	0.21181019	2.7872215	21	—	—
182663 2001 UP_{204}	15.8	X	290.07116	275.63469	24.15437	12.94754	0.1758727	0.22969566	2.6405893	21	3 30.9	19.5
182664 2001 UT_{204}	16.2	X	106.51904	120.64270	296.01375	1.81970	0.0365314	0.21740855	2.7391656	21	2 2.9	19.9
182665 2001 UV_{204}	16.0	X	254.17690	305.44014	24.97380	13.35071	0.0919204	0.22747038	2.6577828	21	4 7.4	19.7
182666 2001 UG_{206}	12.9	X	296.86880	104.70829	199.10436	25.99162	0.0363960	0.08319912	5.1966512	21	5 14.3	19.9
182667 2001 UG_{207}	16.6	X	68.49868	230.87480	179.57773	4.82841	0.0725585	0.21300430	2.7767949	21	—	—
182668 2001 UO_{208}	15.7	X	352.51491	206.55069	10.48644	12.77352	0.1225092	0.22761925	2.6566238	21	3 18.7	18.6
182669 2001 UZ_{214}	13.2	X	339.49946	78.15893	214.42019	5.92610	0.0469416	0.08172087	5.2591320	21	6 20.0	19.9
182670 2001 UA_{215}	16.6	X	220.65353	200.08963	180.70552	1.43836	0.0305998	0.22796256	2.6539559	21	5 7.5	20.1
182671 2001 UR_{221}	16.7	X	109.61854	219.41497	132.94033	0.70280	0.0804140	0.20965982	2.8062471	21	—	—
182672 2001 UU_{221}	16.5	X	226.45053	16.32658	57.41232	1.80477	0.1548292	0.18381848	3.0634439	21	7 12.7	21.4
182673 2001 UC_{222}	15.1	X	80.13054	358.06679	26.94459	15.59490	0.1373011	0.20464943	2.8518654	21	—	—
182674 2001 UB_{225}	15.8	X	93.71052	348.70463	110.71200	6.99532	0.0641725	0.22211266	2.7003528	21	3 19.7	19.4
182675 2001 UA_{226}	12.9	X	246.65233	291.32540	67.11987	10.20979	0.0476724	0.08232986	5.2331653	21	5 18.0	19.8
182676 2001 UQ_{227}	16.5	X	117.45912	193.44341	138.54940	5.08614	0.0696567	0.21017999	2.8016151	21	—	—
182677 2001 UH_{228}	16.1	X	60.21003	157.54950	155.64347	6.08525	0.0496201	0.19924499	2.9032055	21	11 8.4	20.1
182678 2001 VM_{1}	15.7	X	141.16847	8.23181	37.96248	10.90408	0.2317648	0.22026327	2.7154470	21	3 29.4	20.1
182679 2001 VP_{6}	16.4	X	232.54763	315.63643	35.21760	4.18790	0.0904204	0.22655503	2.6649368	21	4 9.0	20.2
182680 2001 VV_{7}	15.4	X	358.59682	94.92703	35.64538	9.32574	0.0862924	0.21052598	2.7985447	21	—	—
182681 2001 VE_{18}	16.0	X	115.73176	353.44952	31.90609	2.86655	0.1268969	0.21434722	2.7651847	21	1 21.1	19.7
182682 2001 VV_{18}	16.6	X	236.85932	218.37443	232.74747	1.87211	0.2784022	0.18531613	3.0469166	21	8 1.4	21.7
182683 2001 VS_{22}	16.4	X	168.34062	161.93683	208.22932	4.59027	0.1357791	0.21923353	2.7239433	21	2 26.5	20.6
182684 2001 VW_{24}	15.7	X	281.75137	272.05330	51.91928	14.49447	0.1239532	0.22889191	2.6467673	21	4 28.5	19.3
182685 2001 VN_{25}	15.8	X	255.28533	312.77369	44.16284	6.15515	0.1043039	0.22916696	2.6446491	21	5 9.9	19.5
182686 2001 VJ_{38}	16.3	X	174.78590	176.48567	207.72044	4.53493	0.1045093	0.22154572	2.7049577	21	3 20.4	20.4
182687 2001 VQ_{39}	15.7	X	29.74602	315.61416	48.74724	6.26299	0.1551026	0.19853522	2.9101208	21	12 15.3	19.4
182688 2001 VQ_{45}	16.6	X	66.25109	23.79407	74.00489	23.72382	0.0799618	0.36356675	1.9442254	21	—	—
182689 2001 VL_{46}	14.5	X	190.30780	214.18825	272.94193	12.48799	0.2341417	0.17891898	3.1191178	21	8 6.7	20.0
182690 2001 VH_{49}	15.1	X	181.08159	139.85991	245.86124	15.39701	0.2280007	0.17607453	3.1526205	21	4 1.4	20.8
182691 2001 VT_{49}	16.3	X	223.72563	3.94616	328.60637	7.21007	0.1976315	0.22529690	2.6748488	21	3 3.2	20.8
182692 2001 VH_{62}	15.4	X	339.46781	36.58262	42.16606	13.80194	0.1571708	0.20073209	2.8888490	21	—	—
182693 2001 VW_{70}	16.2	X	299.33338	299.12077	102.91166	5.96722	0.2324518	0.18979111	2.9988320	21	8 19.7	19.8
182694 2001 VJ_{73}	16.5	X	307.59443	45.62544	219.01692	2.58064	0.0528592	0.22492042	2.6778328	21	3 22.9	20.0
182695 2001 VV_{76}	17.0	X	26.13590	65.29426	70.72587	22.46478	0.0689465	0.36574450	1.9365001	21	—	—
182696 2001 VA_{95}	15.4	X	68.18875	258.06389	183.86219	12.70386	0.1350038	0.21159289	2.7891294	21	1 23.9	18.9
182697 2001 VM_{96}	15.9	X	286.97051	258.91539	161.11364	11.29097	0.2030449	0.18876904	3.0096469	21	8 27.2	19.7
182698 2001 VV_{97}	15.3	X	267.96200	154.88589	205.00794	17.72210	0.3163583	0.23236001	2.6203650	21	5 5.3	19.7
182699 2001 VM_{100}	15.0	X	212.32639	323.24893	79.40203	20.67049	0.0884752	0.17853584	3.1235786	21	5 27.4	19.8
182700 2001 VB_{112}	16.1	X	176.84275	336.83070	33.35648	5.61632	0.1727745	0.22027238	2.7153721	21	3 12.1	20.5
182701 2001 VB_{115}	16.2	X	84.44213	51.60762	349.02570	3.13494	0.0978290	0.20965176	2.8063190	21	—	—
182702 2001 VY_{119}	15.8	X	200.80740	318.08292	66.73518	12.76565	0.1932182	0.22434346	2.6824220	21	4 21.5	20.4
182703 2001 VD_{124}	15.5	X	330.31769	131.51664	185.50392	14.78933	0.1137768	0.23414098	2.6070604	21	6 29.5	18.8
182704 2001 WB_{3}	16.2	X	340.43031	77.40200	222.10728	8.34235	0.1114809	0.23600391	2.5933228	21	6 22.6	19.1
182705 2001 WX_{7}	15.0	X	279.97475	255.22810	75.46294	18.07694	0.1701480	0.18061627	3.0995463	21	5 5.8	19.7
182706 2001 WG_{10}	15.2	X	267.03269	325.52810	106.89349	11.42449	0.0947950	0.18952018	3.0016893	21	9 6.7	19.5
182707 2001 WA_{12}	15.8	X	130.60960	184.79787	186.09102	3.77165	0.1083681	0.21346212	2.7728231	21	1 17.2	19.6
182708 2001 WJ_{13}	15.4	X	336.47338	198.62946	80.51780	10.21436	0.0839330	0.22952135	2.6419260	21	5 21.9	18.5
182709 2001 WX_{15}	16.7	X	38.46250	10.67394	85.51663	23.86070	0.0882914	0.36030837	1.9559293	21	—	—
182710 2001 WJ_{16}	15.4	X	148.48761	161.41710	229.67715	12.53947	0.1148105	0.17135800	3.2102076	21	3 4.8	20.6
182711 2001 WZ_{16}	15.8	X	36.23239	255.40448	16.72994	7.45222	0.1692751	0.24032781	2.5621233	21	9 5.1	18.6
182712 2001 WQ_{18}	15.7	X	187.35884	124.81336	246.30484	4.48341	0.0198142	0.22255288	2.6967907	21	3 12.6	19.5
182713 2001 WK_{20}	15.7	X	98.81983	6.10577	73.10051	13.58818	0.1257965	0.21695370	2.7429929	21	3 14.8	19.6
182714 2001 WN_{25}	16.7	X	183.38677	224.51301	198.27778	1.77295	0.0781288	0.22872949	2.6480201	21	5 17.4	20.4
182715 2001 WA_{38}	16.2	X	223.96441	203.89589	141.91993	2.45435	0.0821261	0.22349082	2.6892402	21	3 25.4	20.2
182716 2001 WZ_{40}	14.8	X	278.72254	9.19610	105.08603	16.97282	0.0928456	0.19234871	2.9721897	21	11 16.9	19.0
182717 2001 WO_{46}	16.3	X	153.66248	110.89626	256.01273	0.78918	0.0380279	0.21547646	2.7555153	21	1 30.5	20.1
182718 2001 WR_{47}	16.2	X	240.00558	181.59742	203.53033	13.19831	0.1551442	0.23172284	2.6251663	21	5 25.8	20.4
182719 2001 WP_{53}	16.3	X	25.94936	251.31099	220.91064	3.11014	0.1152739	0.21199474	2.7856037	21	—	—
182720 2001 WW_{54}	16.5	X	206.54441	10.63267	17.57698	1.82355	0.0795733	0.22723368	2.6596281	21	4 27.8	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
182721 2001 WE_{56}	16.2	X	191.24401	332.83772	346.30624	1.96890	0.1766708	0.21720066	2.7409132	21	1 22.2	20.7
182722 2001 WC_{57}	16.7	X	114.38360	29.93953	6.21874	0.19640	0.0766048	0.21497378	2.7598091	21	1 24.7	20.5
182723 2001 WL_{58}	16.4	X	139.50783	85.75569	250.72974	2.73284	0.1041133	0.21175643	2.7876932	21	—	—
182724 2001 WN_{68}	16.3	X	103.29370	243.17040	212.23751	6.94526	0.0782517	0.22111081	2.7085035	21	3 24.5	20.0
182725 2001 WF_{70}	16.1	X	334.13695	347.96702	204.44263	3.19836	0.0358817	0.21671216	2.7450306	21	1 27.8	19.7
182726 2001 WY_{80}	16.2	X	61.79766	309.67389	55.62373	2.78312	0.0987827	0.20277026	2.8694581	21	—	—
182727 2001 WA_{100}	16.0	X	175.44577	352.97669	14.12869	6.28383	0.0431045	0.21770945	2.7366412	21	2 27.7	19.8
182728 2001 WM_{100}	16.3	X	170.90096	312.71576	40.64376	3.16012	0.0708738	0.21662866	2.7457359	21	2 7.1	20.2
182729 2001 WR_{100}	16.0	X	308.48800	331.83383	232.76199	3.22022	0.0423281	0.21277805	2.7787630	21	1 10.8	19.8
182730 2001 WX_{103}	16.1	X	291.97262	103.98612	171.57450	14.13191	0.1629469	0.22503076	2.6769574	21	3 1.4	19.9
182731 2001 XW_{1}	16.5	X	249.01324	215.80314	96.46489	25.52013	0.0761580	0.37168397	1.9158147	21	2 23.9	19.3
182732 2001 XH_{6}	15.7	X	204.07109	177.15914	200.62168	13.74293	0.1273686	0.22376781	2.6870205	21	4 11.9	19.9
182733 2001 XV_{45}	14.9	X	251.33425	54.07535	27.05651	11.22838	0.0760101	0.18274088	3.0754752	21	9 1.3	19.4
182734 2001 XW_{45}	15.8	X	234.24494	76.94388	32.83136	8.35012	0.2587965	0.18314751	3.0709214	21	8 27.6	20.9
182735 2001 XE_{47}	15.5	X	255.32826	43.20733	41.07672	10.57247	0.1729411	0.18340956	3.0679956	21	8 28.1	20.2
182736 2001 XX_{53}	15.8	X	313.41504	340.03207	97.04081	5.93844	0.1097240	0.19522939	2.9428802	21	11 15.2	19.3
182737 2001 XZ_{69}	16.4	X	97.80316	183.60211	216.29834	8.55760	0.1597054	0.21312532	2.7757436	21	1 17.8	20.0
182738 2001 XS_{70}	15.9	X	223.46981	210.41896	115.28851	7.49435	0.0852679	0.22094773	2.7098361	21	3 1.6	20.0
182739 2001 XZ_{71}	16.2	X	57.79676	215.82489	147.76294	2.53689	0.0999702	0.20246675	2.8723249	21	—	—
182740 2001 XT_{74}	15.3	X	149.29236	82.70770	87.94717	10.59077	0.0618278	0.18443466	3.0566170	21	8 29.3	20.0
182741 2001 XU_{77}	15.9	X	193.48771	261.22018	84.51871	10.84445	0.1307782	0.21893441	2.7264238	21	2 26.9	20.4
182742 2001 XW_{78}	16.0	X	339.67886	265.66288	163.55988	2.31059	0.0736595	0.19847222	2.9107365	21	12 15.5	19.6
182743 2001 XM_{84}	15.6	X	310.34410	279.99954	118.23402	2.46429	0.0799283	0.18903851	3.0067860	21	9 21.8	19.5
182744 2001 XF_{90}	16.4	X	302.18473	279.99950	65.37233	4.30029	0.1627700	0.23544779	2.5974048	21	6 16.4	19.3
182745 2001 XY_{104}	15.8	X	240.50352	35.82194	127.69273	2.72296	0.1029654	0.19192859	2.9765255	21	11 22.3	19.9
182746 2001 XV_{105}	12.2	X	334.48039	266.50496	37.43764	28.10992	0.0943151	0.08369570	5.1760755	21	6 19.1	19.0
182747 2001 XS_{107}	15.3	X	230.27757	271.38252	236.58054	7.94977	0.1988581	0.19074370	2.9888394	21	10 9.0	20.1
182748 2001 XJ_{110}	16.8	X	300.71859	259.74200	83.11883	5.52116	0.2494740	0.23615554	2.5922126	21	5 27.5	19.9
182749 2001 XA_{118}	15.5	X	248.95474	22.73034	64.34335	7.50041	0.1379844	0.18236467	3.0797036	21	8 27.1	20.1
182750 2001 XK_{124}	16.0	X	118.89303	151.45173	207.49610	3.23452	0.1095828	0.21011811	2.8021652	21	—	—
182751 2001 XP_{129}	16.2	X	309.79749	275.99838	72.82457	2.43612	0.2509901	0.23728572	2.5839750	21	6 18.7	18.9
182752 2001 XS_{131}	16.3	X	276.24869	45.82038	74.06469	3.03641	0.1670523	0.19497916	2.9453975	21	11 5.0	20.0
182753 2001 XZ_{133}	15.8	X	62.71904	307.98690	80.73776	3.10425	0.0510830	0.20448077	2.8534334	21	—	—
182754 2001 XQ_{136}	16.1	X	298.46238	326.95741	106.13194	2.12259	0.1470960	0.19219358	2.9737889	21	10 11.8	19.8
182755 2001 XF_{143}	15.7	X	4.94386	243.04316	99.19894	6.63450	0.2915364	0.24399842	2.5363628	21	11 9.1	17.8
182756 2001 XZ_{148}	16.9	X	221.36193	262.21924	176.49160	1.46665	0.2891948	0.18135389	3.0911361	21	7 5.1	22.2
182757 2001 XR_{152}	15.9	X	267.12390	259.99061	186.50734	2.80567	0.2021588	0.18780666	3.0199197	21	9 4.1	20.0
182758 2001 XO_{161}	16.0	X	217.50223	246.83203	96.03552	6.95436	0.0694243	0.21913149	2.7247889	21	3 18.4	20.1
182759 2001 XL_{162}	16.0	X	231.52355	52.15754	84.09134	4.53227	0.1880439	0.18908897	3.0062510	21	10 1.6	20.7
182760 2001 XX_{162}	16.0	X	77.58835	95.28063	268.45245	1.01045	0.0809318	0.20238075	2.8731387	21	—	—
182761 2001 XY_{166}	15.7	X	195.40034	264.52417	110.64695	4.76752	0.2355597	0.22237190	2.6982536	21	4 3.7	20.5
182762 2001 XD_{167}	16.3	X	221.65387	3.30583	101.50568	3.39035	0.1734073	0.18238998	3.0794186	21	8 14.4	21.1
182763 2001 XT_{180}	15.3	X	287.39206	193.77627	256.81700	7.49678	0.0569801	0.18993283	2.9973400	21	10 26.0	19.4
182764 2001 XL_{184}	15.2	X	189.43880	54.72281	115.18847	10.26817	0.0854914	0.18567811	3.0429553	21	10 10.8	20.0
182765 2001 XY_{201}	16.5	X	227.94621	7.30665	81.61700	1.96252	0.1308635	0.18019517	3.1043734	21	8 4.3	21.1
182766 2001 XX_{202}	16.2	X	181.13150	250.82242	162.45820	6.35174	0.0623381	0.22587395	2.6702912	21	5 3.9	20.1
182767 2001 XZ_{209}	15.6	X	41.33175	246.05478	174.78610	6.18761	0.0544070	0.20447096	2.8535246	21	—	—
182768 2001 XD_{216}	16.1	X	15.97234	144.83596	280.28059	0.85816	0.0400007	0.20167167	2.8798693	21	—	—
182769 2001 XL_{219}	16.0	X	274.38910	312.53482	11.94304	3.91926	0.1470466	0.22863798	2.6487266	21	4 14.4	19.9
182770 2001 XZ_{223}	16.4	X	192.47856	323.70585	57.06740	7.07166	0.0338805	0.22217683	2.6998328	21	4 5.8	20.3
182771 2001 XD_{233}	15.8	X	301.69823	355.88698	63.72555	5.91887	0.1354955	0.19111281	2.9849898	21	10 2.3	19.5
182772 2001 XP_{242}	16.4	X	107.63397	301.61304	74.83865	3.38553	0.2492266	0.21049779	2.7987946	21	1 18.1	20.0
182773 2001 XU_{242}	16.2	X	170.37672	109.06178	356.38117	0.40326	0.1503015	0.17658699	3.1465182	21	6 29.3	21.3
182774 2001 XC_{253}	16.1	X	294.62855	299.85378	139.78229	4.29729	0.1526798	0.18956216	3.0012462	21	10 13.8	19.7
182775 2001 XC_{256}	16.7	X	122.30469	19.16893	64.22476	22.79922	0.0944375	0.37341160	1.9099010	21	4 2.2	19.2
182776 2001 XJ_{261}	15.1	X	289.36068	74.76516	89.92570	15.88854	0.0945168	0.20429201	2.8551908	21	—	—
182777 2001 YC_{7}	15.3	X	200.63028	113.92875	308.29012	8.58920	0.0704493	0.17746601	3.1361194	21	6 6.1	20.1
182778 2001 YK_{22}	15.8	X	279.48994	223.67795	78.70388	10.44533	0.0772725	0.22214444	2.7000952	21	4 7.9	19.7
182779 2001 YR_{49}	15.1	X	296.31500	171.36977	276.01813	13.78755	0.0226522	0.19314118	2.9640541	21	11 5.9	19.4
182780 2001 YH_{63}	15.6	X	344.91349	139.65840	289.35957	4.70839	0.1574162	0.19724548	2.9227926	21	12 27.9	18.8
182781 2001 YO_{97}	16.0	X	299.57996	199.52668	234.06166	2.11364	0.0861109	0.19270269	2.9685489	21	10 20.1	19.8
182782 2001 YW_{112}	15.9	X	186.02155	4.86814	95.50592	9.75671	0.2130701	0.17593472	3.1542904	21	7 6.8	21.2
182783 2001 YH_{123}	15.1	X	294.23817	314.27361	43.17612	8.78489	0.1960570	0.23439413	2.6051829	21	6 15.1	18.4
182784 2001 YX_{123}	15.1	X	42.66965	354.99960	55.68891	12.87967	0.0427621	0.20362236	2.8614472	21	—	—
182785 2001 YJ_{134}	15.9	X	172.62385	343.52218	24.62796	6.37531	0.0513663	0.21661158	2.7458803	21	2 27.0	19.8
182786 2001 YU_{158}	15.5	X	96.25066	221.84901	341.03130	8.88541	0.0429501	0.17734612	3.1375327	21	8 3.1	20.0
182787 2002 AE_{8}	15.6	X	235.96288	165.89126	278.12638	3.47444	0.1145791	0.18006231	3.1059003	21	8 7.0	20.2
182788 2002 AX_{11}	15.9	X	248.04013	51.26629	59.29555	3.09126	0.2003608	0.18586093	3.0409596	21	9 14.7	20.4
182789 2002 AJ_{17}	16.7	X	105.25813	251.87122	126.43321	23.98850	0.1044825	0.35680427	1.9687143	21	—	—
182790 2002 AJ_{18}	15.8	X	155.51319	164.12395	203.30701	8.02948	0.2487729	0.21707358	2.7419828	21	2 19.2	20.5
182791 2002 AN_{19}	16.3	X	310.38374	8.87584	103.39650	3.16262	0.0667181	0.19615935	2.9335717	21	12 26.6	20.0
182792 2002 AM_{23}	14.8	X	26.23553	177.71951	133.95919	10.84890	0.0846981	0.18367262	3.0650656	21	9 26.2	18.9
182793 2002 AG_{30}	16.2	X	320.96204	304.84960	141.09061	2.58616	0.1015605	0.19448072	2.9504280	21	12 7.6	19.7
182794 2002 AN_{46}	15.7	X	163.79183	68.35687	131.89386	8.67010	0.1603021	0.18531555	3.0469229	21	10 19.3	20.8
182795 2002 AX_{47}	16.4	X	237.83691	193.74362	279.84636	0.53400	0.1337918	0.18460382	3.0547494	21	9 13.5	20.8
182796 2002 AS_{56}	15.3	X	186.65187	316.52887	131.56885	10.62589	0.0205586	0.17446069	3.1720327	21	6 24.7	20.0
182797 2002 AP_{58}	15.3	X	276.45217	316.92504	130.33772	11.11476	0.1284612	0.18599140	3.0395372	21	10 2.9	19.5
182798 2002 AH_{69}	16.4	X	186.97439	25.51505	148.78735	2.08042	0.1547380	0.18090713	3.0962232	21	10 5.9	21.3
182799 2002 AN_{72}	15.3	X	304.81087	344.36821	92.12098	10.82315	0.0454301	0.19155372	2.9804076	21	11 8.2	19.4
182800 2002 AA_{88}	15.3	X	95.51831	175.01278	235.61139	5.96319	0.1655515	0.21012707	2.8020855	21	1 29.9	18.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
182801 2002 AQ_{94}	15.9	X	170.84878	277.22053	97.70447	6.57164	0.0976593	0.21431462	2.7654651	21	3 9.4	20.1
182802 2002 AW_{97}	15.6	X	216.26057	277.07423	93.21769	10.10912	0.1716592	0.22091433	2.7101092	21	4 18.1	20.2
182803 2002 AV_{99}	15.5	X	273.93013	152.96139	320.73468	7.05238	0.0435496	0.18992695	2.9974020	21	11 7.2	19.7
182804 2002 AO_{101}	15.3	X	161.31877	282.39425	299.99471	5.33942	0.2135059	0.18762948	3.0218205	21	11 6.4	20.6
182805 2002 AP_{101}	15.5	X	236.69924	314.05607	101.17926	3.71802	0.0743892	0.17781192	3.1320509	21	7 7.9	20.0
182806 2002 AD_{108}	15.5	X	211.35094	357.15917	118.28114	10.20880	0.1521443	0.17948912	3.1125091	21	8 19.8	20.5
182807 2002 AG_{123}	15.1	X	15.95588	35.52551	336.62834	9.98961	0.0864590	0.18870617	3.0103153	21	11 21.8	19.3
182808 2002 AV_{123}	15.0	X	224.99758	340.76123	128.48219	10.11395	0.0509040	0.17976589	3.1093135	21	9 5.2	19.5
182809 2002 AH_{125}	15.0	X	144.61211	24.63051	137.75964	14.43773	0.2472964	0.17167333	3.2062754	21	8 18.4	20.5
182810 2002 AB_{129}	16.9	X	254.18508	76.36568	131.50595	24.74179	0.0603975	0.34993979	1.9943766	21	—	—
182811 2002 AH_{132}	16.0	X	242.52773	31.55823	96.03605	3.89799	0.2309777	0.18858319	3.0116238	21	9 27.0	20.6
182812 2002 AL_{141}	15.0	X	296.76034	247.86259	119.42069	17.21413	0.1448042	0.18158140	3.0885536	21	7 11.9	19.1
182813 2002 AB_{143}	16.0	X	277.00276	226.11336	141.89880	6.67955	0.3135942	0.23212245	2.6221526	21	5 24.7	20.1
182814 2002 AV_{147}	15.9	X	165.24037	147.70243	8.13087	3.32411	0.1162302	0.17770431	3.1333152	21	8 25.4	20.7
182815 2002 AF_{151}	14.8	X	146.48995	227.16399	323.39043	9.20636	0.0593627	0.17966589	3.1104673	21	9 12.5	19.6
182816 2002 AK_{151}	15.0	X	161.39091	230.75071	314.95947	8.40717	0.0447357	0.18132911	3.0914177	21	9 21.9	19.7
182817 2002 AV_{151}	14.8	X	339.59915	226.50218	131.28992	23.36085	0.0623164	0.18039675	3.1020603	21	9 16.6	19.1
182818 2002 AP_{158}	16.0	X	185.43200	341.37027	178.90391	4.13309	0.2227438	0.18103750	3.0947366	21	9 15.1	21.2
182819 2002 AF_{184}	16.6	X	209.40533	119.04471	354.93645	1.11495	0.2310886	0.17952321	3.1121151	21	8 10.4	21.9
182820 2002 AP_{185}	15.7	X	243.97704	152.16125	78.19658	6.80421	0.0282983	0.20206261	2.8761537	21	—	—
182821 2002 AJ_{187}	15.1	X	198.93195	138.30329	13.57578	9.48317	0.0711913	0.18326904	3.0695637	21	9 25.9	19.6
182822 2002 AJ_{190}	15.4	X	286.06851	5.58539	67.06038	8.67612	0.0793688	0.18662452	3.0326590	21	10 4.6	19.5
182823 2002 AN_{190}	16.2	X	222.60555	305.32157	138.93523	4.17540	0.1843488	0.17883012	3.1201510	21	7 19.1	21.2
182824 2002 AQ_{191}	15.6	X	49.36363	2.21116	313.14526	7.70270	0.0401183	0.18462048	3.0545657	21	10 19.1	20.0
182825 2002 AJ_{193}	16.0	X	230.45122	283.11098	127.25906	3.03307	0.1320676	0.17662369	3.1460823	21	6 19.5	20.8
182826 2002 AN_{203}	16.4	X	121.90629	332.36054	179.64976	0.35030	0.1235079	0.17216947	3.2001128	21	7 7.5	21.1
182827 2002 AO_{209}	15.2	X	177.25452	128.10456	54.51448	10.64007	0.0360149	0.18503916	3.0499563	21	10 13.9	19.7
182828 2002 BJ_{3}	15.1	X	219.63651	141.75253	21.17780	10.53411	0.0499736	0.18844252	3.0131225	21	11 1.2	19.6
182829 2002 BF_{4}	15.4	X	227.78876	110.51722	8.97563	15.28324	0.1938770	0.18404435	3.0609370	21	9 8.9	20.3
182830 2002 BS_{23}	15.9	X	15.86119	6.34977	56.82851	11.53485	0.1240565	0.19878154	2.9077162	21	—	—
182831 2002 BN_{28}	15.6	X	254.98860	51.30915	43.11798	12.31118	0.1184250	0.18503472	3.0500051	21	9 17.8	20.1
182832 2002 BO_{30}	15.7	X	150.98730	117.87421	19.63598	14.25972	0.2269800	0.17386414	3.1792843	21	7 28.3	21.3
182833 2002 CG_{1}	15.5	X	205.11422	185.53290	260.14551	8.37359	0.0762390	0.17495126	3.1661003	21	7 9.6	20.3
182834 2002 CY_{2}	15.4	X	205.25918	119.60410	346.54815	9.97292	0.0873940	0.17707422	3.1407437	21	8 7.2	20.2
182835 2002 CD_{3}	15.1	X	114.29007	112.42088	68.23447	13.23826	0.1005312	0.17182041	3.2044455	21	8 4.9	20.1
182836 2002 CM_{7}	15.2	X	189.63429	76.82956	28.50170	15.77958	0.2662935	0.17659412	3.1464335	21	7 17.9	21.0
182837 2002 CN_{9}	16.2	X	290.49623	87.06866	19.92032	1.61013	0.0335127	0.18916749	3.0054191	21	11 23.8	20.1
182838 2002 CG_{15}	15.7	X	168.91257	116.06969	327.23818	7.56370	0.0913113	0.16971062	3.2309485	21	5 29.1	20.8
182839 2002 CK_{16}	16.8	X	26.45654	96.85389	305.83209	15.71548	0.1024351	0.35073455	1.9913626	21	—	—
182840 2002 CG_{18}	15.5	X	218.47554	18.99837	95.62874	11.18240	0.1924613	0.17977162	3.1092475	21	8 24.4	20.7
182841 2002 CU_{18}	15.1	X	59.91340	245.53737	359.00388	15.67382	0.0712270	0.17388415	3.1790404	21	8 17.3	19.6
182842 2002 CD_{20}	15.2	X	227.12165	103.21951	335.50748	9.45964	0.1636867	0.17690971	3.1426905	21	7 20.4	20.2
182843 2002 CK_{49}	15.0	X	142.53378	15.88079	158.29616	16.96279	0.1522724	0.17559110	3.1584043	21	8 25.8	20.0
182844 2002 CE_{58}	15.4	X	27.99211	116.09644	142.51006	18.62994	0.1635356	0.16999004	3.2274069	21	7 23.9	19.4
182845 2002 CK_{60}	15.2	X	90.76246	226.86377	342.39219	6.87119	0.0525539	0.17556818	3.1586792	21	8 5.1	19.6
182846 2002 CX_{85}	15.4	X	109.21067	138.50492	132.15975	11.51124	0.1059652	0.18586622	3.0409018	21	11 18.6	20.2
182847 2002 CP_{87}	17.3	X	176.10832	176.07202	84.83202	3.41593	0.0664379	0.29495417	2.2351141	21	—	—
182848 2002 CD_{89}	15.5	X	121.20992	38.74355	133.09647	1.81647	0.1156245	0.17183154	3.2043070	21	7 30.5	20.3
182849 2002 CO_{90}	15.5	X	149.97062	83.42136	127.49947	4.76347	0.1321046	0.18140138	3.0905966	21	10 17.6	20.4
182850 2002 CH_{92}	15.0	X	47.42891	354.11014	324.07770	17.36679	0.0851556	0.18581166	3.0414971	21	10 21.3	19.6
182851 2002 CO_{96}	16.0	X	187.81020	2.91956	97.93040	2.42112	0.1635524	0.17287994	3.1913394	21	7 9.4	21.2
182852 2002 CG_{101}	15.5	X	150.02681	169.57896	18.81327	5.64701	0.0778755	0.17756120	3.1349985	21	9 18.2	20.2
182853 2002 CB_{102}	15.1	X	154.15388	42.68811	154.72463	16.95646	0.0428771	0.17938744	3.1136851	21	10 5.0	19.8
182854 2002 CO_{119}	15.4	X	93.04956	340.89500	245.08088	3.43817	0.0952881	0.17803865	3.1293912	21	8 31.7	20.0
182855 2002 CP_{122}	15.8	X	223.64987	174.11814	304.96580	4.33721	0.0561808	0.18188951	3.0850647	21	9 11.5	20.4
182856 2002 CU_{130}	15.8	X	189.13846	223.21268	274.53648	4.23127	0.1190780	0.17849744	3.1240266	21	8 23.9	20.9
182857 2002 CD_{148}	15.4	X	96.38979	315.23705	319.43223	7.98423	0.1647522	0.18372224	3.0645137	21	11 9.2	20.3
182858 2002 CD_{149}	15.0	X	65.43325	297.44358	312.46411	8.06729	0.2344198	0.17354076	3.1832327	21	9 15.1	19.5
182859 2002 CZ_{149}	15.5	X	74.68685	182.21914	62.98061	2.42034	0.1220920	0.17561362	3.1581342	21	9 9.2	19.9
182860 2002 CB_{150}	15.4	X	118.29378	277.72723	341.13218	10.26288	0.1263316	0.18394328	3.0620581	21	11 7.5	20.4
182861 2002 CN_{150}	15.6	X	213.04708	333.60364	94.14617	3.17714	0.1018428	0.17304364	3.1893263	21	6 25.3	20.3
182862 2002 CY_{167}	15.3	X	149.83696	118.38944	33.20078	5.56287	0.0936987	0.17298051	3.1901022	21	8 4.9	20.2
182863 2002 CP_{176}	15.9	X	150.09462	30.58902	111.54128	5.81460	0.1277558	0.17427786	3.1742508	21	7 24.5	21.0
182864 2002 CR_{179}	16.3	X	209.52374	76.58221	45.33192	0.71206	0.1205101	0.17971547	3.1098951	21	8 26.8	21.0
182865 2002 CV_{180}	15.9	X	223.79861	75.86227	342.89231	6.42945	0.1597059	0.17592383	3.1544206	21	6 21.2	21.0
182866 2002 CD_{195}	17.7	X	278.77980	200.99877	118.37972	2.56913	0.0345903	0.31841784	2.1239182	21	4 21.9	20.0
182867 2002 CF_{200}	15.4	X	233.34252	82.77070	339.97861	8.16807	0.0810415	0.17480052	3.1679203	21	7 14.4	20.2
182868 2002 CF_{204}	15.2	X	107.00605	266.36741	343.24729	10.87531	0.0472559	0.18162670	3.0880400	21	10 8.6	19.8
182869 2002 CL_{206}	15.1	X	335.83943	208.32297	141.46671	11.83738	0.1027796	0.17758782	3.1346852	21	8 25.0	18.8
182870 2002 CS_{210}	15.7	X	178.22225	36.47090	125.09664	6.20383	0.0936395	0.17875841	3.1209854	21	9 15.6	20.5
182871 2002 CT_{211}	15.6	X	264.42948	30.73161	328.44824	3.93456	0.0959451	0.17072661	3.2181176	21	5 27.3	20.2
182872 2002 CU_{211}	15.7	X	131.26471	280.03309	1.97566	1.11127	0.0894495	0.18974537	2.9993140	21	12 19.8	20.4
182873 2002 CD_{222}	15.3	X	334.92640	188.11514	135.22978	6.11425	0.1637476	0.17613925	3.1518481	21	7 12.5	19.0
182874 2002 CC_{230}	15.8	X	32.18050	310.42484	329.96335	4.83509	0.1365235	0.17331417	3.1860066	21	8 26.6	19.6
182875 2002 CG_{233}	15.6	X	94.47404	34.58176	164.90677	6.85265	0.2329338	0.17117191	3.2125339	21	8 17.7	20.5
182876 2002 CZ_{238}	15.7	X	140.07783	296.44988	203.21308	4.15348	0.1291622	0.16943532	3.2344474	21	7 10.7	20.8
182877 2002 CL_{240}	14.7	X	195.06291	109.18001	335.64403	15.66345	0.1053649	0.16987347	3.2288832	21	6 30.1	20.0
182878 2002 CQ_{247}	14.9	X	110.79736	73.42129	168.36403	10.26305	0.1885810	0.17610788	3.1522224	21	10 21.4	20.0
182879 2002 CP_{252}	15.5	X	241.53514	275.61965	148.58069	9.88629	0.0617569	0.17742173	3.1366412	21	7 25.5	20.0
182880 2002 CH_{253}	14.7	X	204.80215	211.88625	285.63630	15.95148	0.1517244	0.18055411	3.1002577	21	8 30.9	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
182881 2002 CD_{254}	16.0	X	165.27524	206.85334	318.95146	3.89344	0.0700752	0.17979582	3.1089685	21	9 4.5	20.6
182882 2002 CD_{259}	15.5	X	72.43065	136.78322	150.12002	12.24764	0.0678718	0.18331755	3.0690221	21	10 24.2	20.0
182883 2002 CL_{259}	15.2	X	132.80678	225.27589	283.85915	6.34918	0.1182108	0.17111744	3.2132156	21	7 14.6	20.2
182884 2002 CE_{263}	15.4	X	313.39707	33.62295	55.26503	12.89904	0.2135091	0.19078112	2.9884486	21	11 19.6	18.5
182885 2002 CF_{266}	16.2	X	45.42841	310.18495	58.74515	2.02771	0.1035104	0.19195062	2.9762977	21	—	—
182886 2002 CA_{282}	15.8	X	244.89087	279.54102	154.21123	5.15676	0.1258291	0.17830902	3.1262270	21	8 2.9	20.6
182887 2002 CU_{292}	15.6	X	168.41639	46.37047	190.83347	1.90841	0.0884885	0.18792395	3.0186630	21	12 3.9	20.1
182888 2002 CC_{295}	15.4	X	146.95192	279.75150	190.73958	23.27702	0.3048527	0.17047448	3.2212899	21	6 20.9	21.5
182889 2002 CH_{301}	15.5	X	156.48963	157.95285	320.55907	4.07463	0.1079870	0.16966050	3.2315847	21	6 30.9	20.5
182890 2002 CZ_{301}	14.8	X	265.90619	288.34627	121.37075	12.65093	0.1380407	0.17812205	3.1284143	21	7 27.1	19.1
182891 2002 CY_{302}	14.9	X	190.57488	345.47753	155.77231	17.54002	0.0560115	0.17890898	3.1192341	21	9 3.4	19.4
182892 2002 CD_{311}	15.6	X	127.97270	17.33729	137.35460	7.07702	0.0873297	0.16998078	3.2275241	21	7 13.5	20.5
182893 2002 DA_{18}	16.0	X	193.80377	81.41709	27.04884	1.73768	0.1252772	0.17381114	3.1799306	21	7 25.6	20.9
182894 2002 DE_{18}	15.3	X	294.59138	225.17619	159.45602	8.49559	0.0854188	0.17608385	3.1525093	21	8 8.2	19.5
182895 2002 DN_{18}	15.0	X	224.68937	345.27979	96.38341	19.50655	0.2085286	0.17654698	3.1469936	21	7 16.5	20.2
182896 2002 DE_{20}	16.0	X	200.14533	314.56087	154.76269	5.06335	0.0989294	0.17483398	3.1675160	21	8 1.9	21.0
182897 2002 EZ_{3}	15.6	X	118.90555	97.03818	162.62093	1.41818	0.1578326	0.18085187	3.0968539	21	11 14.8	20.5
182898 2002 EF_{12}	15.7	X	134.71326	123.43867	69.11493	3.80847	0.1867885	0.17493932	3.1662444	21	9 13.8	20.9
182899 2002 EE_{14}	15.1	X	73.53606	44.23414	187.20317	9.10567	0.1087958	0.17210154	3.2009549	21	8 15.8	19.6
182900 2002 EG_{15}	15.8	X	190.95603	195.45309	314.56539	1.55666	0.1258418	0.17910980	3.1169020	21	9 10.6	20.8
182901 2002 EG_{26}	14.6	X	76.59215	246.24068	322.98071	10.86764	0.0263167	0.16957873	3.2326235	21	7 14.3	19.2
182902 2002 EP_{39}	15.9	X	151.43994	20.55080	180.16788	3.63785	0.1275017	0.17855226	3.1233872	21	10 4.8	20.7
182903 2002 EM_{53}	15.6	X	219.47732	327.66324	182.96781	3.58100	0.0679877	0.18367902	3.0649944	21	10 16.7	20.0
182904 2002 EP_{60}	15.6	X	53.59042	275.15713	314.61497	4.36431	0.1011832	0.16875911	3.2430818	21	7 19.1	19.8
182905 2002 EG_{63}	16.2	X	178.00354	242.17293	180.06056	5.30787	0.0627629	0.21491983	2.7602710	21	5 11.9	20.2
182906 2002 EV_{68}	15.3	X	50.19276	60.87027	200.41984	6.72337	0.1274039	0.17012927	3.2256459	21	8 25.3	19.6
182907 2002 EG_{81}	16.1	X	132.56646	1.83541	213.78377	2.73616	0.1716600	0.17802588	3.1295408	21	10 6.2	21.1
182908 2002 EH_{90}	15.0	X	134.15187	77.96092	171.01753	9.22314	0.1122712	0.18164582	3.0878234	21	11 15.8	19.9
182909 2002 ET_{90}	17.1	X	165.71920	207.48535	42.63394	2.35526	0.1625812	0.28712342	2.2755706	21	12 29.1	20.6
182910 2002 EP_{99}	15.0	X	163.74407	178.94054	68.60063	10.53209	0.0883775	0.18755210	3.0226516	21	12 10.7	19.7
182911 2002 EO_{102}	15.7	X	195.32429	301.08787	186.61019	12.60901	0.1359427	0.17576148	3.1563628	21	8 15.9	20.9
182912 2002 EE_{104}	15.0	X	148.38139	67.53768	129.13129	11.03108	0.1610903	0.17669312	3.1452581	21	10 1.7	20.3
182913 2002 EM_{106}	14.7	X	97.23444	281.93572	19.59525	16.76576	0.2226330	0.18184572	3.0855600	21	12 16.2	20.0
182914 2002 EL_{109}	15.8	X	47.58522	101.01648	147.57404	5.36801	0.1006046	0.16987972	3.2288040	21	8 2.9	20.1
182915 2002 EB_{113}	15.9	X	238.61700	21.45227	97.48184	2.55955	0.1294165	0.18107038	3.0943620	21	9 22.8	20.6
182916 2002 EK_{117}	16.2	X	283.57506	307.18434	74.39767	3.68798	0.0985627	0.17262207	3.1945167	21	7 19.7	20.6
182917 2002 EX_{126}	15.0	X	148.10120	48.22868	198.41397	11.60227	0.1491072	0.18356256	3.0662906	21	11 25.9	20.1
182918 2002 EN_{132}	15.7	X	22.17637	113.62913	168.47983	10.62202	0.1036608	0.16939828	3.2349189	21	8 7.5	19.8
182919 2002 EM_{133}	15.2	X	42.94404	126.97273	185.61058	7.73575	0.0566069	0.17769436	3.1334321	21	10 13.2	19.3
182920 2002 EU_{134}	14.9	X	357.70832	142.36728	182.25464	21.49415	0.1339211	0.17257890	3.1950494	21	8 23.9	19.0
182921 2002 ED_{140}	15.0	X	301.43021	41.12635	359.53778	9.32933	0.0863105	0.17947456	3.1126774	21	9 10.3	19.1
182922 2002 EW_{154}	16.0	X	157.79227	347.49300	147.46743	1.69463	0.0849356	0.17026947	3.2238750	21	7 21.1	20.9
182923 2002 EK_{157}	15.4	X	352.87059	139.76651	184.29220	6.02854	0.0759865	0.17381671	3.1798627	21	8 16.0	19.4
182924 2002 EN_{160}	15.7	X	89.65684	171.90270	74.07769	3.25381	0.0873637	0.17533160	3.1615199	21	9 23.7	20.2
182925 2002 EG_{161}	15.2	X	129.29570	42.90735	150.04231	18.11262	0.0773059	0.17168444	3.2061371	21	8 31.6	20.0
182926 2002 FU_{6}	7.4	X	313.59364	192.29632	55.37056	2.19751	0.1467193	0.00320236	45.5850814	21	3 28.6	23.6
182927 2002 FN_{25}	15.0	X	151.26787	112.42749	20.90234	26.77804	0.2409652	0.17094659	3.2153561	21	7 28.9	21.0
182928 2002 FV_{26}	15.0	X	123.96611	108.21383	97.77421	11.32865	0.1983846	0.17645802	3.1480512	21	9 24.8	20.3
182929 2002 FJ_{32}	15.3	X	96.04957	182.41682	49.78525	5.90256	0.0758010	0.17469800	3.1691595	21	9 13.8	19.9
182930 2002 FX_{40}	14.9	X	116.02858	126.68043	57.73188	19.86986	0.0896360	0.16994459	3.2279824	21	8 14.4	20.1
182931 2002 GQ_{1}	14.8	X	91.39126	292.30093	205.16647	19.72061	0.3188260	0.16225058	3.3292409	21	6 10.4	20.2
182932 2002 GQ_{2}	14.2	X	111.90553	209.70942	81.40049	32.02830	0.3161778	0.17778789	3.1323331	21	12 20.5	19.9
182933 2002 GZ_{31}	6.4	X	341.53280	164.74885	117.21477	1.05484	0.2457168	0.00272583	50.7540146	21	6 1.6	22.3
182934 2002 GJ_{32}	5.4	X	89.36847	254.71464	244.84975	11.59918	0.1057791	0.00334233	44.3033790	21	5 21.9	21.9
182935 2002 GZ_{40}	15.4	X	188.19478	317.87655	192.85553	8.29316	0.0268141	0.17521266	3.1629504	21	9 11.6	20.1
182936 2002 GC_{42}	14.6	X	85.24306	338.28046	226.74726	10.23597	0.1114000	0.16937708	3.2351887	21	7 27.2	19.4
182937 2002 GS_{47}	17.1	X	20.99794	271.15923	27.65102	2.35449	0.2073389	0.26919986	2.3754879	21	9 25.1	19.0
182938 2002 GK_{48}	15.0	X	143.29881	326.59759	196.92554	15.63921	0.1053601	0.17002100	3.2270152	21	8 7.5	20.2
182939 2002 GZ_{50}	15.4	X	112.07251	31.16810	180.58026	5.61610	0.0898785	0.17090739	3.2158478	21	9 4.5	20.1
182940 2002 GJ_{55}	14.9	X	97.59084	248.44228	339.27058	9.73562	0.0464880	0.17250084	3.1960132	21	9 3.1	19.3
182941 2002 GE_{65}	15.1	X	206.96493	267.08949	212.44140	15.36491	0.1893353	0.17632603	3.1496220	21	8 11.9	20.6
182942 2002 GM_{67}	15.0	X	172.72458	94.24822	32.85842	19.23071	0.1130191	0.16880998	3.2424302	21	8 3.5	20.4
182943 2002 GG_{91}	15.1	X	302.21060	223.12188	182.57688	16.71627	0.0954542	0.17878503	3.1206756	21	9 14.3	19.1
182944 2002 GA_{100}	16.8	X	216.53930	124.33752	334.18194	1.63168	0.1146624	0.27515447	2.3410912	21	8 8.9	20.0
182945 2002 GC_{101}	15.4	X	112.55828	179.36311	19.17106	6.76078	0.1082726	0.17024101	3.2242343	21	8 25.1	20.3
182946 2002 GO_{106}	14.7	X	75.96496	224.51834	73.59578	12.91450	0.1051351	0.17722414	3.1389722	21	11 13.4	19.3
182947 2002 GJ_{110}	15.3	X	204.26326	284.15747	188.30722	7.11164	0.1914124	0.17191500	3.2032699	21	8 3.9	20.8
182948 2002 GJ_{123}	14.6	X	300.10311	175.76199	205.08370	11.00706	0.0869919	0.16893682	3.2408071	21	8 7.9	19.1
182949 2002 GX_{155}	15.1	X	241.53109	39.84575	51.80321	9.94761	0.0399922	0.17397254	3.1779636	21	9 6.9	19.8
182950 2002 GL_{163}	15.0	X	23.70743	185.86115	182.51435	15.48597	0.0299625	0.18241666	3.0791184	21	11 24.9	19.5
182951 2002 GU_{177}	15.8	X	215.83153	22.60677	108.02441	3.19138	0.0457342	0.17535624	3.1612237	21	9 20.5	20.4
182952 2002 HH_{16}	15.7	X	141.19005	115.76609	65.40868	2.02246	0.0880550	0.17183766	3.2042310	21	8 30.9	20.6
182953 2002 HN_{17}	14.1	X	63.01595	222.56195	75.44055	28.89392	0.1918115	0.17353892	3.1832552	21	11 15.2	18.9
182954 2002 JH_{1}	14.4	X	318.46603	73.76156	216.82290	15.94600	0.1205859	0.15537746	3.4267101	21	5 9.8	18.8
182955 2002 JO_{10}	14.1	X	75.80940	248.89620	66.39779	26.66648	0.2783924	0.17648234	3.1477620	21	12 17.1	19.3
182956 2002 JK_{16}	16.3	X	220.57065	154.70345	198.72811	7.30636	0.2123413	0.30427846	2.1892158	21	3 18.1	19.8
182957 2002 JK_{60}	17.2	X	169.59053	66.85262	222.95889	3.91873	0.1634402	0.28758534	2.2731332	21	—	—
182958 2002 JH_{62}	16.5	X	244.52164	98.97031	84.60085	6.45879	0.1002404	0.28678579	2.2773562	21	—	—
182959 2002 JK_{68}	17.3	X	334.88199	90.94482	221.18832	2.93157	0.1875490	0.31508280	2.1388792	21	6 20.7	18.5
182960 2002 JT_{68}	15.1	X	139.93986	136.12014	64.57572	12.47262	0.1606230	0.17541837	3.1604772	21	10 1.2	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
182961 2002 JU_{116}	14.7	X	101.51290	154.63227	82.94050	20.75327	0.1123245	0.17353038	3.1833596	21	10 9.5	19.9
182962 2002 JV_{118}	14.8	X	168.96583	50.52249	114.95836	15.58675	0.1668659	0.17516551	3.1635181	21	9 13.5	20.2
182963 2002 JF_{122}	16.9	X	291.12908	262.72410	330.20784	6.08998	0.1276218	0.30033354	2.2083445	21	—	—
182964 2002 JE_{138}	17.9	X	253.93622	315.26923	286.15673	0.22385	0.1179451	0.29492197	2.2352767	21	—	—
182965 2002 KX_{8}	17.3	X	285.71412	157.94753	117.29278	4.34323	0.1784630	0.30223637	2.1990658	21	2 10.5	20.3
182966 2002 LC_{4}	16.4	X	128.85692	90.57500	103.00490	7.21118	0.0415269	0.26922241	2.3753553	21	9 7.4	19.6
182967 2002 LK_{22}	16.6	X	265.29611	87.65313	253.67915	3.25121	0.2059968	0.30579212	2.1819855	21	4 12.3	19.8
182968 2002 LN_{29}	15.5	X	166.81933	214.63643	136.23602	7.29604	0.3170796	0.24016154	2.5633057	21	2 13.3	20.1
182969 2002 MA_{5}	16.6	X	316.95037	264.18017	118.37104	7.17254	0.1290929	0.26411633	2.4058721	21	9 17.6	18.9
182970 2002 NN_{15}	16.9	X	196.44839	241.28003	67.03538	6.64597	0.2022748	0.28896585	2.2658876	21	1 4.1	20.5
182971 2002 NQ_{15}	17.0	X	253.73142	284.09906	68.21657	5.97648	0.2185678	0.30213591	2.1995533	21	4 18.2	20.3
182972 2002 NX_{21}	17.2	X	208.00945	204.22102	143.62232	4.83381	0.2187701	0.29406374	2.2396238	21	3 3.7	20.9
182973 2002 NL_{23}	17.1	X	236.48517	120.10111	194.90531	4.08329	0.1851610	0.29521455	2.2337996	21	2 12.9	20.7
182974 2002 NT_{23}	16.1	X	88.98582	228.87566	133.58543	8.80721	0.2914246	0.27719351	2.3295964	21	—	—
182975 2002 NE_{36}	17.0	X	135.41930	211.96388	151.32777	6.49793	0.1587178	0.28613783	2.2807930	21	1 5.3	19.9
182976 2002 NR_{37}	16.7	X	5.01969	226.05843	140.65949	12.02554	0.2633574	0.26656037	2.3911436	21	12 16.4	19.2
182977 2002 NU_{38}	17.3	X	348.23000	101.83003	210.37977	5.65768	0.3352763	0.30887412	2.1674464	21	7 16.3	17.2
182978 2002 NX_{39}	17.0	X	113.47073	316.82145	308.60763	3.33964	0.1975827	0.27261113	2.3556295	21	11 29.1	20.9
182979 2002 NE_{42}	16.7	X	167.90364	61.63344	321.13307	12.65831	0.1804200	0.24011738	2.5636200	21	3 11.2	20.9
182980 2002 NQ_{46}	16.3	X	161.03271	241.81207	56.92452	3.37012	0.0845939	0.23072219	2.6327511	21	—	—
182981 2002 NK_{51}	16.4	X	185.95934	333.11787	357.69525	4.26183	0.2438644	0.28950122	2.2630933	21	1 25.9	20.2
182982 2002 NG_{61}	16.5	X	260.50523	278.72880	10.30564	5.05385	0.0944501	0.24405478	2.5359723	21	2 19.1	20.1
182983 2002 NO_{61}	17.0	X	185.12976	251.85784	85.15662	5.41609	0.1712097	0.29020707	2.2594222	21	1 28.1	20.3
182984 2002 OV	17.3	X	211.32360	139.64330	177.46062	6.53276	0.1665234	0.29220872	2.2490923	21	1 24.6	20.9
182985 2002 OF_{1}	16.6	X	336.95724	28.75067	225.06121	5.72315	0.1505056	0.30245735	2.1979946	21	3 22.9	18.8
182986 2002 OR_{2}	16.8	X	185.87658	127.14113	212.98486	6.94410	0.2385697	0.28822394	2.2697743	21	2 2.6	20.7
182987 2002 OC_{8}	15.9	X	21.30329	228.69321	130.75807	10.08382	0.1943817	0.21637086	2.7479165	21	12 8.9	19.3
182988 2002 OM_{8}	17.3	X	185.72069	19.64177	290.46971	5.83735	0.1218584	0.28707788	2.2758112	21	—	—
182989 2002 OE_{13}	16.5	X	216.12113	193.40541	168.75386	8.87697	0.2969276	0.24423298	2.5347386	21	3 31.3	21.1
182990 2002 OJ_{17}	17.0	X	311.34383	92.66837	197.21788	6.10029	0.1794403	0.30286632	2.1960155	21	4 1.6	19.4
182991 2002 OK_{25}	17.5	X	299.32381	131.61591	171.26514	5.11559	0.1925548	0.30187993	2.2007965	21	4 3.0	20.2
182992 2002 OM_{28}	16.6	X	3.15603	344.06545	14.15989	7.00020	0.1526197	0.26605533	2.3941687	21	11 8.4	19.0
182993 2002 PC_{1}	16.6	X	190.95784	201.61433	137.14643	7.49772	0.1969237	0.28938164	2.2637167	21	2 5.2	19.9
182994 2002 PO_{11}	17.7	X	257.53880	89.81282	172.52527	3.27367	0.1400408	0.29176766	2.2513583	21	—	—
182995 2002 PH_{24}	18.3	X	306.50140	123.17268	154.84929	6.57548	0.1543173	0.30098110	2.2051759	21	3 14.6	20.9
182996 2002 PB_{28}	17.0	X	4.11516	299.57052	308.79602	2.82659	0.1704871	0.30585613	2.1816811	21	5 9.6	18.3
182997 2002 PY_{29}	16.9	X	139.73417	174.30383	195.44369	3.41347	0.0344731	0.28761516	2.2729761	21	—	—
182998 2002 PW_{34}	17.2	X	189.39695	131.93475	165.23297	4.86387	0.1836686	0.28567844	2.2832374	21	—	—
182999 2002 PJ_{37}	16.5	X	192.39914	171.64365	194.16487	2.80731	0.1988117	0.29090750	2.2557940	21	3 11.5	20.1
183000 2002 PR_{46}	16.1	X	53.08504	105.12484	240.89846	2.85708	0.2565377	0.26830488	2.3807676	21	—	—
183001 2002 PR_{49}	16.4	X	134.25845	176.15593	158.66905	2.52365	0.2264975	0.27863865	2.3215345	21	—	—
183002 2002 PA_{55}	16.7	X	328.93467	199.46243	184.24317	3.61217	0.2631546	0.26128448	2.4232244	21	10 4.5	17.6
183003 2002 PN_{55}	16.9	X	182.06449	5.02494	326.99743	5.02768	0.1848948	0.28744025	2.2738981	21	1 20.0	20.3
183004 2002 PO_{55}	16.4	X	250.69688	351.68637	319.80247	5.75458	0.1177256	0.29500316	2.2348666	21	2 25.4	19.4
183005 2002 PK_{58}	16.2	X	175.17838	358.49969	330.76297	6.23652	0.1329192	0.28598572	2.2816016	21	1 5.5	19.5
183006 2002 PG_{59}	16.8	X	136.51696	202.71254	140.51367	4.94241	0.1695628	0.28144100	2.3060982	21	—	—
183007 2002 PJ_{67}	17.4	X	45.27351	152.92997	217.69867	2.26733	0.1637290	0.27354433	2.3502690	21	—	—
183008 2002 PG_{79}	16.6	X	74.23843	322.96140	34.69554	5.79009	0.1356988	0.27547705	2.3392633	21	—	—
183009 2002 PZ_{83}	16.9	X	118.85086	304.98744	359.59825	2.54710	0.1786473	0.27559563	2.3385922	21	—	—
183010 2002 PD_{85}	16.6	X	247.93542	202.30979	130.74295	7.58796	0.2246081	0.29699791	2.2248486	21	3 19.7	20.2
183011 2002 PA_{88}	17.3	X	165.29069	187.38947	162.04576	4.68654	0.1778112	0.28686665	2.2769282	21	1 23.6	20.6
183012 2002 PM_{88}	16.1	X	115.28115	316.25035	6.75386	2.04148	0.2054919	0.22418256	2.6837053	21	—	—
183013 2002 PT_{90}	16.8	X	198.55684	308.17010	356.35753	4.90034	0.1939515	0.28685302	2.2770004	21	1 1.5	20.4
183014 2002 PG_{92}	16.5	X	117.86677	11.73868	327.97573	4.57864	0.1513927	0.27933232	2.3176895	21	—	—
183015 2002 PT_{92}	15.3	X	122.99345	80.50179	235.97324	13.67280	0.0618814	0.22434971	2.6823722	21	—	—
183016 2002 PU_{93}	16.9	X	352.63457	26.71545	351.65200	5.60464	0.1948833	0.26466864	2.4025240	21	11 23.7	19.0
183017 2002 PV_{93}	16.2	X	340.40915	345.65467	56.36634	6.10923	0.2233759	0.26517043	2.3994921	21	12 8.5	17.9
183018 2002 PQ_{94}	16.8	X	344.22925	329.32373	60.10088	5.66984	0.2304962	0.26409787	2.4059843	21	11 28.2	18.4
183019 2002 PG_{96}	17.2	X	145.80880	14.55389	324.88328	2.01814	0.1857469	0.28372781	2.2936903	21	—	—
183020 2002 PF_{97}	16.5	X	214.72377	188.54233	129.74070	8.96016	0.2774486	0.29125370	2.2540061	21	2 1.4	20.5
183021 2002 PT_{99}	16.9	X	250.27355	306.51479	19.51914	4.36010	0.1801432	0.29690480	2.2253137	21	3 13.9	20.3
183022 2002 PQ_{110}	16.5	X	157.62027	299.77307	4.86362	6.70761	0.1312110	0.28190242	2.3035811	21	—	—
183023 2002 PG_{113}	17.3	X	334.93392	291.17480	2.85454	6.86525	0.2898912	0.30723533	2.1751470	21	4 25.6	19.1
183024 2002 PJ_{122}	16.7	X	337.03534	85.95672	182.99278	3.86966	0.1267457	0.30394284	2.1908271	21	4 23.2	18.7
183025 2002 PR_{122}	16.7	X	34.10939	14.17532	218.70194	6.04350	0.1784013	0.30643906	2.1789134	21	6 30.4	18.3
183026 2002 PE_{125}	16.8	X	247.57865	145.68599	157.19474	3.48280	0.1980835	0.29499520	2.2349068	21	2 8.1	20.3
183027 2002 PP_{127}	17.0	X	108.54206	24.17642	328.90984	4.89059	0.1598707	0.27977659	2.3152353	21	—	—
183028 2002 PC_{140}	16.1	X	213.76527	180.00793	140.89382	1.43646	0.1063528	0.18250569	3.0781168	21	2 16.6	20.8
183029 2002 PU_{140}	15.7	X	65.53739	285.46648	54.67413	15.42202	0.1565365	0.22104293	2.7090580	21	—	—
183030 2002 PE_{151}	17.2	X	178.43683	186.98938	167.47241	1.49132	0.1308926	0.29007475	2.2601092	21	2 8.3	20.3
183031 2002 PD_{165}	17.2	X	119.74551	269.37613	110.93379	2.92188	0.1689877	0.28517686	2.2859138	21	1 9.2	19.6
183032 2002 PD_{177}	17.2	X	319.62664	104.33119	305.45879	1.66192	0.1720718	0.26592141	2.3949724	21	10 29.1	19.1
183033 2002 PV_{179}	17.5	X	113.76429	218.68310	124.76284	2.77637	0.0858085	0.28010669	2.3134160	21	—	—
183034 2002 PD_{183}	16.1	X	349.54064	40.54871	338.53311	4.89862	0.0240123	0.21634057	2.7481730	21	10 25.6	19.7
183035 2002 QY	16.6	X	27.56026	190.74562	195.11323	3.19949	0.1731383	0.27207571	2.3587190	21	—	—
183036 2002 QR_{17}	16.5	X	316.73948	58.83100	327.17954	2.40115	0.1994821	0.25972939	2.4328873	21	9 9.8	18.5
183037 2002 QJ_{22}	17.4	X	181.04920	194.96709	185.45141	2.38086	0.2111437	0.24042781	2.5614129	21	3 25.5	21.8
183038 2002 QR_{22}	17.3	X	293.63721	287.96848	328.73612	3.31112	0.0922029	0.29608320	2.2294284	21	2 5.8	19.9
183039 2002 QG_{25}	16.8	X	118.73768	215.77449	157.88920	4.06619	0.1661708	0.28224492	2.3017172	21	—	—
183040 2002 QP_{50}	16.1	X	100.61281	235.31014	178.70554	7.87587	0.1407361	0.23274501	2.6174745	21	2 2.2	19.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
183041 2002 QW_{50}	17.4	X	14.93674	263.25673	152.77025	3.29864	0.1073860	0.27275437	2.3548047	21	—	—
183042 2002 QH_{52}	16.8	X	36.57662	275.24818	109.72197	3.17383	0.2049706	0.27162176	2.3613463	21	—	—
183043 2002 QY_{60}	18.2	X	286.55110	95.91340	187.91921	2.85649	0.1803210	0.29793758	2.2201681	21	2 21.6	21.3
183044 2002 QY_{63}	17.1	X	356.58867	32.47799	86.13683	5.76248	0.0891121	0.28169164	2.3047301	21	—	—
183045 2002 QZ_{63}	16.9	X	118.52738	210.03353	113.28251	7.53395	0.1366994	0.27778504	2.3262880	21	—	—
183046 2002 QB_{65}	17.3	X	91.18175	212.85334	173.83997	9.86943	0.0597469	0.28280802	2.2986609	21	—	—
183047 2002 QW_{65}	17.1	X	2.65627	241.02252	142.38235	3.94485	0.1277128	0.26793354	2.3829668	21	12 13.4	19.5
183048 2002 QM_{68}	16.9	X	163.88564	193.58561	128.86300	3.65098	0.0927659	0.23139310	2.6276596	21	—	—
183049 2002 QW_{69}	17.0	X	211.42467	274.84775	144.38041	6.94042	0.1052293	0.25103391	2.4887492	21	6 11.8	20.8
183050 2002 QV_{70}	17.1	X	263.03491	97.70675	330.20924	6.10578	0.1575850	0.25832138	2.4417197	21	8 17.4	20.1
183051 2002 QY_{72}	17.2	X	308.92769	47.07261	339.01623	1.86587	0.2022498	0.25912953	2.4366404	21	8 23.7	19.5
183052 2002 QR_{78}	17.1	X	302.09527	135.19961	92.88157	3.53976	0.0785565	0.29186752	2.2508447	21	1 11.4	19.9
183053 2002 QC_{87}	16.5	X	353.95185	321.27328	78.11897	6.15304	0.1293425	0.26857652	2.3791620	21	12 21.4	19.0
183054 2002 QW_{88}	17.7	X	273.29705	159.16232	280.62207	1.35069	0.1937043	0.26035647	2.4289792	21	9 10.9	20.6
183055 2002 QM_{91}	16.9	X	294.52143	158.67116	343.51501	7.00901	0.0501413	0.27593465	2.3366763	21	—	—
183056 2002 QK_{93}	16.8	X	144.25980	326.32026	92.81239	5.39673	0.2975088	0.23770164	2.5809599	21	4 19.3	21.2
183057 2002 QU_{93}	17.2	X	21.05635	268.60742	141.57683	3.86637	0.1131008	0.27337418	2.3512441	21	—	—
183058 2002 QE_{96}	17.2	X	333.27640	216.37918	12.79565	4.41127	0.1283781	0.29812711	2.2192271	21	2 16.9	19.5
183059 2002 QF_{97}	17.2	X	350.19180	65.97683	4.86062	3.79961	0.0566550	0.27447818	2.3449351	21	—	—
183060 2002 QX_{102}	17.3	X	276.86035	150.96448	246.80339	1.61276	0.1992498	0.25635949	2.4541614	21	7 17.3	20.3
183061 2002 QK_{107}	16.5	X	187.90932	195.69390	300.44388	6.07374	0.1437930	0.25983606	2.4322214	21	8 23.9	20.4
183062 2002 QX_{118}	17.1	X	280.17665	75.86510	331.65724	7.17654	0.1096552	0.25986442	2.4320444	21	8 21.1	20.0
183063 2002 QE_{119}	16.7	X	302.97929	200.64521	91.58752	5.29026	0.1602030	0.30132100	2.2035172	21	3 31.1	19.3
183064 2002 QO_{119}	17.0	X	190.95674	208.25686	346.58938	1.35740	0.1275097	0.27094194	2.3652945	21	11 14.2	20.3
183065 2002 QT_{122}	16.3	X	354.66530	145.43506	207.23570	4.90809	0.0872442	0.21300957	2.7767491	21	10 1.4	19.7
183066 2002 RA_{6}	16.8	X	85.61403	186.17964	165.84941	6.66348	0.1338731	0.27564956	2.3382872	21	—	—
183067 2002 RG_{13}	16.2	X	118.31969	225.16171	167.35417	6.24645	0.1535176	0.28300474	2.2975955	21	1 20.9	18.9
183068 2002 RM_{13}	16.9	X	72.72530	294.34225	43.58381	1.95002	0.1953932	0.27078232	2.3662240	21	—	—
183069 2002 RR_{13}	17.2	X	217.42292	243.44891	81.01075	0.35937	0.2865619	0.29131519	2.2536889	21	2 10.7	21.2
183070 2002 RV_{18}	15.4	X	95.54667	224.68585	163.60658	11.13628	0.1819077	0.27924829	2.3181545	21	—	—
183071 2002 RO_{21}	16.1	X	128.83941	213.68774	116.44628	3.38278	0.2082399	0.22632366	2.6667527	21	—	—
183072 2002 RA_{28}	16.4	X	112.72171	185.48829	141.97739	5.71147	0.2194297	0.27392489	2.3480917	21	—	—
183073 2002 RJ_{28}	16.2	X	126.04630	315.67421	43.44594	9.00183	0.1747006	0.27747865	2.3280001	21	—	—
183074 2002 RD_{40}	16.8	X	99.32906	320.41796	23.17702	2.32802	0.2313619	0.27649112	2.3335400	21	—	—
183075 2002 RE_{41}	16.9	X	144.61930	332.95961	16.79597	3.02973	0.2264468	0.28347732	2.2950413	21	1 9.7	19.9
183076 2002 RB_{46}	17.3	X	264.35306	202.96239	138.38907	5.74569	0.1675136	0.29983015	2.2108156	21	4 19.8	20.4
183077 2002 RJ_{46}	16.1	X	130.54811	343.59408	11.86363	7.52349	0.1296020	0.28172130	2.3045684	21	—	—
183078 2002 RY_{46}	16.3	X	114.69140	237.67385	133.46692	5.19353	0.1500344	0.28088529	2.3091389	21	—	—
183079 2002 RK_{49}	16.7	X	326.16803	257.24377	118.35732	3.63801	0.1952362	0.25905448	2.4371110	21	9 18.3	18.5
183080 2002 RA_{52}	16.2	X	117.42462	232.03022	139.92702	6.98274	0.1259634	0.28040929	2.3117513	21	—	—
183081 2002 RG_{52}	16.5	X	20.85466	280.12844	123.31066	2.83873	0.2097746	0.26911248	2.3760021	21	—	—
183082 2002 RH_{54}	16.4	X	18.63661	28.83481	24.06404	4.27520	0.1447762	0.27076976	2.3662971	21	—	—
183083 2002 RL_{54}	16.7	X	297.55630	261.63291	100.23915	2.86587	0.2140507	0.25332176	2.4737419	21	6 23.9	19.7
183084 2002 RY_{54}	16.3	X	133.37688	133.87084	211.80653	6.07151	0.1296090	0.28043648	2.3116019	21	—	—
183085 2002 RZ_{59}	16.5	X	323.45917	25.19324	207.78233	6.80776	0.0583703	0.29274971	2.2463206	21	2 15.9	19.1
183086 2002 RO_{72}	17.0	X	356.52632	15.70123	344.97574	7.36301	0.1245291	0.26337130	2.4104072	21	10 25.2	19.4
183087 2002 RG_{75}	16.9	X	56.79450	51.80962	332.94873	1.09962	0.2502104	0.27341300	2.3510216	21	—	—
183088 2002 RO_{79}	16.9	X	230.86113	21.35015	330.13952	2.13383	0.1532662	0.24327481	2.5413898	21	4 1.6	20.9
183089 2002 RA_{80}	16.9	X	329.05566	55.75913	349.74926	5.93090	0.0956650	0.26390881	2.4071332	21	11 9.7	19.5
183090 2002 RC_{81}	17.0	X	24.77746	337.69258	7.48750	3.39143	0.1397914	0.26472793	2.4021652	21	11 24.8	19.7
183091 2002 RR_{82}	17.2	X	295.83138	236.74719	162.79647	2.71059	0.1890039	0.25671380	2.4519028	21	8 20.6	19.8
183092 2002 RQ_{85}	17.1	X	337.59675	229.46921	165.07097	1.79644	0.2121098	0.26199623	2.4188338	21	11 18.1	18.7
183093 2002 RC_{87}	16.7	X	97.39106	334.90304	358.73293	2.64687	0.2177803	0.27371715	2.3492796	21	—	—
183094 2002 RF_{89}	16.9	X	341.13140	264.44004	347.51184	3.22804	0.2033284	0.30107840	2.2047007	21	3 20.3	18.7
183095 2002 RK_{98}	16.9	X	108.27557	165.86714	174.95646	6.22791	0.2627377	0.27573644	2.3377960	21	—	—
183096 2002 RP_{98}	16.3	X	184.87425	303.04809	19.48399	6.25632	0.1937849	0.28450081	2.2895337	21	1 12.5	19.9
183097 2002 RZ_{99}	16.9	X	178.78352	305.49411	6.11692	6.53894	0.2103318	0.28210069	2.3025017	21	—	—
183098 2002 RH_{100}	17.3	X	215.87949	140.58741	181.30373	5.11027	0.2586365	0.28926694	2.2643150	21	2 5.2	21.2
183099 2002 RJ_{100}	16.6	X	342.39146	225.37052	175.10102	6.57564	0.1581622	0.26244938	2.4160487	21	12 4.2	18.8
183100 2002 RT_{101}	16.4	X	123.10452	210.21605	163.36057	2.97502	0.2418459	0.27961072	2.3161509	21	1 17.1	19.1
183101 2002 RO_{103}	17.3	X	283.95424	108.73729	195.84250	3.08320	0.1816875	0.29677600	2.2259575	21	3 18.5	20.2
183102 2002 RM_{110}	16.3	X	211.58178	342.96003	307.06526	4.03454	0.1730302	0.28520073	2.2857863	21	—	—
183103 2002 RL_{116}	17.4	X	267.30427	50.45066	356.45951	5.18589	0.1931903	0.25483858	2.4639162	21	7 20.1	20.7
183104 2002 RL_{117}	16.7	X	76.48213	287.05440	37.56245	6.82698	0.1906662	0.26973729	2.3723316	21	—	—
183105 2002 RH_{118}	16.3	X	212.02483	194.15976	182.05107	5.29141	0.3476773	0.23971104	2.5665163	21	4 13.2	21.2
183106 2002 RB_{121}	16.4	X	74.71893	106.35575	255.67768	4.04748	0.2463253	0.27370598	2.3493435	21	—	—
183107 2002 RJ_{127}	15.5	X	17.41667	194.71129	251.96848	13.66746	0.0717853	0.22661334	2.6644796	21	—	—
183108 2002 RZ_{128}	17.1	X	187.80830	90.90051	228.97875	2.59687	0.1675913	0.28597423	2.2816628	21	1 8.2	20.4
183109 2002 RW_{133}	16.7	X	23.98041	320.42410	44.53187	7.51835	0.1286698	0.26671175	2.3902388	21	12 19.8	19.6
183110 2002 RC_{136}	16.5	X	298.65241	194.78832	115.70996	6.34328	0.1164743	0.30094327	2.2053607	21	4 27.8	19.1
183111 2002 RC_{137}	16.3	X	255.30299	11.55585	293.57939	4.66138	0.2436086	0.29276003	2.2462678	21	2 14.7	20.2
183112 2002 RF_{137}	16.5	X	169.18903	137.94073	209.65291	3.84749	0.1707719	0.28602573	2.2813888	21	1 24.2	19.9
183113 2002 RN_{139}	13.6	X	149.23208	285.45691	59.86053	13.75070	0.2082761	0.12532962	3.9545788	21	2 3.4	20.0
183114 Vicques	15.7	X	40.11242	53.13386	329.75003	5.73605	0.1488498	0.26989591	2.3714020	21	—	—
183115 2002 RP_{147}	17.0	X	57.43179	244.58420	131.09726	1.74560	0.0832588	0.27301256	2.3533199	21	—	—
183116 2002 RJ_{149}	17.3	X	228.77719	232.97394	80.93775	2.20233	0.1798615	0.29147108	2.2528852	21	2 7.4	20.7
183117 2002 RY_{155}	16.7	X	280.82052	306.80302	309.65161	3.21896	0.1510711	0.29143815	2.2530549	21	1 16.2	19.7
183118 2002 RE_{157}	16.8	X	21.93911	51.15322	281.54691	2.07984	0.2017959	0.26332029	2.4107185	21	11 13.0	19.2
183119 2002 RQ_{163}	17.0	X	194.62090	242.19457	160.03064	1.52202	0.1372841	0.24395191	2.5366852	21	5 2.5	21.0
183120 2002 RX_{169}	17.2	X	124.20334	122.15701	211.06421	3.35315	0.1474222	0.27922594	2.3182781	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
183121 2002 RV_{172}	16.9	X	212.60166	43.33561	216.57906	3.93460	0.1229442	0.28220276	2.3019464	21	—	—
183122 2002 RX_{174}	17.0	X	64.96335	82.62222	283.33298	2.50818	0.1882793	0.27304680	2.3531232	21	—	—
183123 2002 RN_{178}	17.5	X	146.37891	170.04733	164.90204	1.37845	0.1498202	0.28289562	2.2981863	21	—	—
183124 2002 RU_{179}	16.9	X	112.24879	45.58548	6.68017	3.01998	0.1808994	0.23123318	2.6288711	21	2 24.4	20.5
183125 2002 RC_{182}	16.1	X	3.49400	178.72797	217.94624	10.47273	0.2505973	0.26658807	2.3909780	21	—	—
183126 2002 RU_{194}	15.6	X	278.22282	265.13832	40.02757	1.15104	0.0621377	0.19204661	2.9753059	21	4 10.0	19.7
183127 2002 RM_{200}	16.6	X	226.59729	21.58426	249.30777	5.25234	0.1234763	0.28621669	2.2803740	21	—	—
183128 2002 RC_{201}	17.4	X	237.54376	175.70735	131.42378	3.87348	0.1569666	0.29235213	2.2483567	21	2 6.6	20.6
183129 2002 RO_{201}	16.9	X	358.90802	229.43251	140.75407	3.02851	0.2031563	0.26445053	2.4038448	21	11 28.0	19.0
183130 2002 RR_{201}	16.8	X	293.25790	164.26126	116.46845	3.49114	0.1223864	0.29727672	2.2234572	21	3 6.8	19.7
183131 2002 RG_{202}	16.1	X	70.13852	118.89464	243.31667	5.89901	0.0831888	0.22063036	2.7124341	21	—	—
183132 2002 RS_{202}	16.2	X	294.72485	171.70591	301.46742	6.77446	0.0291900	0.26904814	2.3763809	21	12 25.7	19.0
183133 2002 RK_{203}	16.7	X	303.36656	321.92994	102.89799	3.47488	0.1845865	0.26081090	2.4261569	21	10 17.4	18.8
183134 2002 RK_{210}	17.1	X	60.98583	124.86205	339.85925	1.58665	0.2528661	0.22932921	2.6434015	21	2 24.5	19.4
183135 2002 RW_{211}	16.7	X	229.53767	237.61817	107.92828	2.37882	0.1928417	0.29368895	2.2415288	21	3 19.6	20.1
183136 2002 RC_{216}	16.3	X	112.18052	340.02083	72.68790	3.93261	0.2138386	0.23280006	2.6170619	21	3 2.6	19.8
183137 2002 RW_{219}	16.8	X	295.14486	4.04994	55.78689	1.48683	0.2307101	0.25988241	2.4319322	21	9 13.6	18.9
183138 2002 RY_{222}	15.6	X	98.30443	261.06913	9.82001	13.12812	0.2060618	0.21552483	2.7551030	21	11 12.8	20.2
183139 2002 RW_{224}	17.4	X	94.94009	259.80432	77.24235	7.42289	0.1659943	0.27514123	2.3411663	21	—	—
183140 2002 RA_{231}	16.6	X	332.86026	324.69023	60.48223	7.45308	0.1040815	0.26198037	2.4189314	21	10 22.3	19.1
183141 2002 RW_{231}	16.2	X	345.93735	173.47973	220.99873	3.36488	0.0739768	0.21290577	2.7776515	21	11 13.2	19.4
183142 2002 RF_{238}	17.1	X	5.81840	355.26549	151.15304	6.58846	0.0573039	0.28568794	2.2831868	21	—	—
183143 2002 RC_{240}	16.5	X	197.99642	306.85494	210.13501	3.59670	0.0740577	0.26328193	2.4109527	21	10 7.4	19.8
183144 2002 RZ_{241}	16.3	X	121.51930	286.83216	219.47427	4.38177	0.1087157	0.25042797	2.4927621	21	6 27.5	19.8
183145 2002 RV_{248}	17.0	X	305.60117	253.10998	165.80968	3.95178	0.1933682	0.26155775	2.4215363	21	10 10.9	19.1
183146 2002 RH_{251}	16.9	X	287.14535	54.15061	165.23776	5.69528	0.1210437	0.28810821	2.2703821	21	—	—
183147 2002 RB_{252}	16.6	X	118.90561	246.57292	338.41802	3.38080	0.0851434	0.26204679	2.4185226	21	10 6.1	19.9
183148 2002 RZ_{253}	17.5	X	185.27648	70.75888	179.63554	6.21474	0.0904827	0.27639169	2.3340997	21	—	—
183149 2002 RL_{254}	17.3	X	254.82207	273.95613	209.38287	1.84825	0.1276646	0.26484673	2.4014468	21	10 27.5	20.1
183150 2002 RQ_{260}	17.4	X	326.06959	257.86734	159.77522	1.64385	0.1574132	0.26469924	2.4023388	21	11 26.2	19.3
183151 2002 RU_{261}	16.8	X	106.02557	147.04806	210.24010	4.14143	0.1700146	0.27830507	2.3233892	21	—	—
183152 2002 RR_{273}	17.3	X	131.42199	194.19144	120.06621	1.01041	0.2089677	0.27845044	2.3225805	21	—	—
183153 2002 SD_1	16.5	X	29.23698	344.89095	8.21111	6.19573	0.1365241	0.26556419	2.3971196	21	12 11.9	19.5
183154 2002 SK_1	16.8	X	207.47766	72.34362	335.33321	4.46864	0.2449396	0.24400501	2.5363171	21	5 17.4	21.2
183155 2002 SE_3	16.6	X	276.29910	233.34865	183.68340	11.71082	0.2803666	0.25455680	2.4657341	21	7 28.4	20.1
183156 2002 SR_4	16.6	X	327.52287	355.48313	52.83283	2.75890	0.1685854	0.26191085	2.4193594	21	11 13.7	18.3
183157 2002 SL_7	16.5	X	276.15331	338.85599	35.68811	3.85393	0.1538188	0.25099846	2.4889835	21	6 21.1	19.8
183158 2002 SS_8	16.3	X	89.67244	26.98065	191.01365	6.57872	0.1084651	0.25378429	2.4707354	21	8 23.9	19.8
183159 2002 SO_{10}	16.8	X	53.42062	191.57850	155.24512	3.75503	0.2089423	0.26829252	2.3808407	21	—	—
183160 2002 SO_{12}	16.9	X	172.61876	250.75377	45.82369	2.68487	0.1242703	0.27862059	2.3216348	21	—	—
183161 2002 SP_{14}	16.7	X	11.13757	346.56271	38.56448	4.23709	0.2134300	0.26595325	2.3947813	21	—	—
183162 2002 SR_{22}	16.5	X	185.06442	260.54837	29.66690	5.92746	0.1696560	0.28086588	2.3092452	21	—	—
183163 2002 SU_{22}	16.5	X	306.65567	311.68820	68.51907	6.98378	0.1849423	0.25623126	2.4549801	21	8 15.6	19.0
183164 2002 SF_{23}	16.4	X	9.27969	204.36155	171.15520	7.95363	0.1047409	0.26481616	2.4016316	21	12 9.5	19.2
183165 2002 SU_{23}	16.7	X	338.75197	81.65642	197.42403	5.43514	0.1841160	0.30324465	2.1941886	21	5 3.9	18.4
183166 2002 SF_{31}	16.9	X	331.43285	333.01254	58.27519	3.96935	0.2253116	0.26052344	2.4279413	21	10 27.5	18.3
183167 2002 SA_{33}	16.3	X	200.69358	59.89214	227.72508	5.75123	0.1169711	0.28127615	2.3069992	21	—	—
183168 2002 SO_{34}	17.0	X	281.62300	229.55696	83.31217	3.84174	0.1674936	0.29852582	2.2172506	21	3 31.3	19.9
183169 2002 SX_{35}	17.0	X	31.07419	190.79950	188.83341	2.00851	0.1957815	0.26762643	2.3847895	21	—	—
183170 2002 SD_{37}	16.5	X	131.81381	320.73024	43.10005	7.31064	0.1506619	0.28053054	2.3110852	21	1 2.2	19.4
183171 2002 SN_{37}	16.5	X	33.65995	171.17337	189.17242	6.13527	0.1531763	0.26580843	2.3956510	21	12 30.4	19.6
183172 2002 SG_{39}	16.1	X	155.86583	214.45699	120.02478	3.76484	0.1391261	0.28078529	2.3096871	21	—	—
183173 2002 SM_{39}	16.8	X	66.07438	312.74625	28.34897	2.55023	0.2028296	0.27006917	2.3703876	21	—	—
183174 2002 SH_{40}	16.7	X	79.48075	354.92100	23.28866	8.15555	0.1396287	0.27554950	2.3388532	21	—	—
183175 2002 SM_{40}	17.1	X	47.99688	290.45620	84.90141	2.61887	0.1186677	0.27071639	2.3666081	21	—	—
183176 2002 SV_{43}	16.8	X	130.88718	122.03997	177.71508	2.22536	0.2218251	0.27549491	2.3391622	21	—	—
183177 2002 SG_{47}	17.1	X	86.63140	36.25263	325.83718	1.65104	0.0739413	0.27513507	2.3412012	21	—	—
183178 2002 SO_{47}	17.1	X	219.38107	280.52796	7.63722	5.27445	0.2173256	0.28661417	2.2782652	21	—	—
183179 2002 SN_{48}	16.9	X	23.39833	245.91790	142.79769	5.05273	0.1610359	0.26799693	2.3825910	21	—	—
183180 2002 SQ_{49}	16.8	X	290.97447	298.68557	110.76100	3.04111	0.1902305	0.25603567	2.4562302	21	8 28.2	19.3
183181 2002 SH_{50}	16.6	X	0.06969	332.35112	38.09405	1.83738	0.2286664	0.26211212	2.4181207	21	12 3.1	18.5
183182 Weinheim	16.4	X	320.54254	100.65482	312.77888	6.90118	0.3189807	0.25996300	2.4314295	21	10 21.6	17.6
183183 2002 SH_{51}	16.3	X	210.68644	293.36430	23.63357	21.57719	0.2637105	0.28868718	2.2673456	21	2 6.6	20.7
183184 2002 SR_{54}	16.9	X	164.49686	106.34800	217.38901	5.54048	0.1420219	0.28286762	2.2983380	21	—	—
183185 2002 SH_{55}	16.8	X	190.90125	336.17226	327.83848	3.88870	0.1399479	0.28391351	2.2926900	21	—	—
183186 2002 SM_{59}	16.5	X	270.13657	194.63817	44.48905	7.54491	0.0836111	0.28775581	2.2722354	21	—	—
183187 2002 SA_{65}	17.5	X	204.59240	246.84271	19.54236	5.62247	0.1513733	0.28346907	2.2950858	21	—	—
183188 2002 SQ_{65}	17.3	X	232.04163	249.16128	41.02797	5.29203	0.1398257	0.28964737	2.2623319	21	1 12.6	20.8
183189 2002 SY_{67}	17.4	X	206.57303	99.74254	174.02243	5.27867	0.1591358	0.28213261	2.3023280	21	—	—
183190 2002 SC_{70}	17.3	X	198.03284	58.68084	2.08687	9.50973	0.2068568	0.24453851	2.5326268	21	5 25.6	21.8
183191 2002 ST_{71}	16.2	X	69.22072	253.10273	158.18616	13.53952	0.1917015	0.22374498	2.6872032	21	—	—
183192 2002 TR_4	16.1	X	312.26105	342.04164	67.12893	3.45686	0.2002983	0.25846650	2.4408057	21	10 9.5	18.0
183193 2002 TY_4	16.7	X	351.12461	272.39651	144.63900	5.16883	0.2139419	0.26492218	2.4009908	21	—	—
183194 2002 TC_5	16.3	X	18.67041	242.49357	179.53533	6.46171	0.1021262	0.27032038	2.3689189	21	—	—
183195 2002 TW_5	16.6	X	292.68839	268.56127	30.62570	7.32011	0.1874467	0.29736081	2.2230380	21	3 23.4	19.5
183196 2002 TN_7	16.5	X	169.08495	328.63868	345.82089	2.54941	0.0632007	0.27958142	2.3163127	21	—	—
183197 2002 TG_{10}	16.2	X	45.56872	355.03650	6.67478	7.10931	0.1296216	0.26772378	2.3842114	21	—	—
183198 2002 TH_{13}	17.1	X	89.32163	67.11540	249.64036	1.62930	0.1686172	0.26949195	2.3737712	21	—	—
183199 2002 TS_{13}	16.5	X	359.70475	353.12679	79.62343	3.47121	0.1673447	0.26838262	2.3803078	21	—	—
183200 2002 TP_{15}	16.6	X	81.55269	312.04407	55.22583	2.29695	0.1449435	0.27476493	2.3433034	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
183201 2002 TE_{17}	17.0	X	179.69313	113.36642	207.24783	4.51580	0.1871485	0.28412993	2.2915256	21	1 3.0	20.5
183202 2002 TP_{17}	16.4	X	34.66374	120.57836	238.53395	1.68223	0.1171000	0.21425088	2.7660135	21	12 13.7	19.8
183203 2002 TS_{17}	16.9	X	181.62068	277.51930	5.95782	7.51868	0.1419701	0.27915661	2.3186620	21	—	—
183204 2002 TZ_{18}	16.8	X	208.77541	40.56972	299.11401	1.43268	0.1928064	0.29028351	2.2590255	21	2 21.1	20.4
183205 2002 TX_{19}	17.0	X	35.57567	318.19628	55.51696	2.97625	0.2100739	0.26792793	2.3830001	21	—	—
183206 2002 TT_{22}	16.7	X	319.80995	137.54636	217.27296	0.79624	0.1085884	0.25433491	2.4671680	21	8 8.5	19.2
183207 2002 TE_{23}	16.8	X	335.80702	355.88994	27.78556	2.73219	0.2254502	0.25996285	2.4314305	21	10 25.2	18.1
183208 2002 TR_{28}	16.8	X	97.35677	292.70901	53.58651	2.89667	0.2246363	0.27395759	2.3479048	21	—	—
183209 2002 TW_{28}	15.9	X	342.23094	227.64492	184.03539	6.41319	0.1020173	0.26380220	2.4077817	21	12 14.8	18.5
183210 2002 TE_{29}	16.9	X	76.87017	288.22368	47.46404	1.98562	0.2019944	0.26961813	2.3730305	21	—	—
183211 2002 TZ_{30}	16.6	X	325.66110	192.62006	193.35626	2.22639	0.1819998	0.25796123	2.4439919	21	10 2.9	18.6
183212 2002 TG_{31}	16.5	X	247.58733	125.08195	192.95288	5.43703	0.2094416	0.29247611	2.2477212	21	2 25.7	20.0
183213 2002 TE_{33}	16.0	X	240.42361	227.63613	356.58198	6.66834	0.0528524	0.27750248	2.3278668	21	—	—
183214 2002 TW_{34}	16.6	X	287.70758	248.13990	183.92150	4.73224	0.0819301	0.25923190	2.4359989	21	10 11.9	19.4
183215 2002 TZ_{34}	16.9	X	138.65838	8.63185	35.91743	1.59096	0.1368795	0.23362680	2.6108842	21	3 10.8	20.6
183216 2002 TJ_{36}	16.5	X	307.08074	259.78537	196.63854	6.22941	0.0763557	0.26465334	2.4026165	21	12 18.0	19.2
183217 2002 TQ_{36}	16.6	X	67.76317	305.68680	58.70991	4.89978	0.2167524	0.27077798	2.3662493	21	—	—
183218 2002 TK_{37}	16.7	X	1.15996	197.43437	195.75381	6.14979	0.1125264	0.26391140	2.4071175	21	12 21.1	19.4
183219 2002 TN_{37}	17.0	X	194.59538	248.66755	185.83492	5.25589	0.2003706	0.24441293	2.5334943	21	6 11.9	21.3
183220 2002 TJ_{39}	16.3	X	212.00833	105.05043	223.61283	6.66925	0.2794332	0.28797875	2.2710625	21	2 9.5	20.4
183221 2002 TQ_{39}	15.5	X	181.17016	330.78521	94.55660	5.45888	0.2554411	0.23806124	2.5783602	21	5 21.5	20.0
183222 2002 TN_{41}	16.9	X	54.31919	295.46291	53.20609	5.27557	0.2754044	0.26757770	2.3850790	21	—	—
183223 2002 TS_{43}	16.5	X	237.69124	74.39328	209.26655	3.49501	0.1648232	0.28480083	2.2879255	21	1 8.8	20.0
183224 2002 TT_{43}	16.2	X	16.19221	203.33612	202.32683	5.90032	0.1032482	0.26733485	2.3865232	21	—	—
183225 2002 TX_{44}	16.1	X	68.16400	157.10970	196.29753	9.46620	0.1299111	0.26889503	2.3772829	21	—	—
183226 2002 TW_{47}	16.7	X	192.37277	289.51018	61.02318	3.81127	0.1794466	0.28682786	2.2771335	21	2 22.5	20.3
183227 2002 TY_{47}	15.8	X	67.70329	308.59721	60.35906	4.58878	0.2166360	0.27074258	2.3664555	21	—	—
183228 2002 TT_{48}	16.7	X	136.73248	314.85353	32.09471	4.27122	0.2385504	0.27872675	2.3210453	21	—	—
183229 2002 TD_{57}	16.4	X	248.11039	100.30890	205.65125	9.52180	0.2106405	0.29183104	2.2510323	21	2 9.5	20.2
183230 2002 TC_{58}	14.6	X	67.43869	204.87504	129.44486	18.72243	0.4256388	0.22044263	2.7139739	21	—	—
183231 2002 TJ_{70}	15.1	X	219.90676	103.79929	242.88685	8.16364	0.1285472	0.18651553	3.0338403	21	3 20.1	20.0
183232 2002 TQ_{70}	16.3	X	95.16911	77.80645	320.73678	17.49269	0.2107234	0.22752182	2.6573821	21	1 21.9	19.5
183233 2002 TD_{72}	16.5	X	68.46099	92.50013	342.46248	7.67148	0.3285903	0.22481393	2.6786784	21	2 12.7	18.8
183234 2002 TC_{73}	16.4	X	13.48754	5.72692	336.31759	6.93403	0.1164207	0.26023070	2.4297618	21	10 26.3	19.1
183235 2002 TZ_{78}	16.2	X	125.69396	314.75203	125.03189	5.98943	0.2510274	0.23364798	2.6107264	21	4 25.3	20.4
183236 2002 TQ_{81}	17.1	X	145.13441	259.26541	74.59955	3.71143	0.2085388	0.28184861	2.3038743	21	—	—
183237 2002 TR_{82}	16.9	X	180.88026	3.92829	56.12277	2.57296	0.1695746	0.24152295	2.5536641	21	5 12.2	21.0
183238 2002 TF_{85}	16.7	X	87.69525	296.28290	67.92605	7.10432	0.1849444	0.27382077	2.3486869	21	—	—
183239 2002 TS_{90}	16.3	X	182.49598	308.99349	328.42702	4.22172	0.0964110	0.27550867	2.3390843	21	—	—
183240 2002 TG_{96}	15.1	X	269.38494	142.60836	231.43227	6.12090	0.2029687	0.24373147	2.5382144	21	6 5.4	18.6
183241 2002 TV_{98}	16.9	X	317.28555	257.00241	160.16310	4.90393	0.0491101	0.26322385	2.4113073	21	11 11.3	19.7
183242 2002 TT_{107}	16.4	X	222.40440	32.15589	199.62167	6.59183	0.0727962	0.27490553	2.3425043	21	—	—
183243 2002 TV_{108}	16.4	X	292.03231	206.07996	87.22898	8.81190	0.1702144	0.29726561	2.2235126	21	3 19.7	19.4
183244 2002 TM_{111}	17.0	X	146.65537	135.55218	175.55645	7.57031	0.2360807	0.28033843	2.3121409	21	—	—
183245 2002 TY_{111}	16.8	X	10.76410	289.38235	102.97530	3.07446	0.2120186	0.26747465	2.3856916	21	—	—
183246 2002 TT_{121}	16.3	X	146.67295	284.11694	313.95135	6.03846	0.0841483	0.26369307	2.4084460	21	11 22.5	19.8
183247 2002 TB_{124}	16.4	X	21.04036	324.97207	335.62128	15.76236	0.0744091	0.25695164	2.4503895	21	9 4.5	19.0
183248 2002 TU_{125}	16.8	X	144.45599	212.56028	140.93007	6.75259	0.1364678	0.28301433	2.2975436	21	1 1.4	19.7
183249 2002 TG_{131}	16.6	X	98.51234	13.52296	334.10847	5.79991	0.1654234	0.27479609	2.3431262	21	—	—
183250 2002 TN_{131}	16.4	X	4.82920	41.18672	338.03045	6.69826	0.1124768	0.26438924	2.4042163	21	12 6.6	19.1
183251 2002 TE_{134}	16.2	X	94.37387	63.85984	281.25973	4.69887	0.1527730	0.27376867	2.3489849	21	—	—
183252 2002 TS_{155}	16.5	X	317.55931	4.39542	253.97805	6.91558	0.1403779	0.29695062	2.2250847	21	2 27.9	19.2
183253 2002 TJ_{163}	16.2	X	127.68230	311.99122	138.10261	14.78899	0.0159411	0.23732192	2.5837123	21	4 14.7	19.9
183254 2002 TK_{166}	16.7	X	208.86663	211.86035	185.20657	6.76770	0.2915682	0.24478055	2.5309570	21	5 7.1	21.3
183255 2002 TX_{168}	15.8	X	171.91101	180.13400	259.99277	11.37110	0.1842191	0.24297654	2.5434692	21	5 29.5	19.9
183256 2002 TL_{174}	15.9	X	289.60885	354.19270	59.07428	7.54163	0.1041978	0.25725860	2.4484399	21	9 18.4	18.8
183257 2002 TA_{185}	17.0	X	6.96351	118.64619	262.26592	2.46007	0.1353303	0.26528578	2.3987965	21	12 17.0	19.5
183258 2002 TT_{195}	15.9	X	110.20837	63.06504	41.73070	29.91078	0.3367073	0.23154677	2.6264969	21	5 13.8	20.2
183259 2002 TT_{196}	16.7	X	356.39953	211.78053	197.76694	6.04652	0.1810426	0.26798889	2.3826387	21	—	—
183260 2002 TB_{208}	15.8	X	152.55711	111.83637	20.80228	12.64381	0.2329980	0.24291942	2.5438679	21	7 23.9	20.4
183261 2002 TE_{208}	16.6	X	85.80500	46.49996	5.95072	3.85116	0.2643450	0.22483395	2.6785194	21	2 2.4	19.5
183262 2002 TS_{209}	16.7	X	171.07146	202.74514	128.63329	6.88104	0.2675927	0.28404097	2.2920041	21	1 15.4	20.4
183263 2002 TG_{215}	16.1	X	96.19435	252.49384	72.65611	6.90090	0.1149009	0.27014054	2.3699701	21	—	—
183264 2002 TH_{220}	16.8	X	312.82547	322.85576	281.45609	7.13228	0.1041164	0.29136159	2.2534496	21	2 10.0	19.6
183265 2002 TR_{223}	16.6	X	111.91725	157.18494	172.05490	1.92269	0.1855600	0.27244660	2.3565778	21	—	—
183266 2002 TJ_{225}	16.6	X	21.49093	311.03617	59.47021	5.39920	0.1514718	0.26369727	2.4084204	21	12 27.1	19.4
183267 2002 TW_{225}	16.2	X	170.45590	130.29711	182.47078	6.42915	0.2296180	0.27884976	2.3203627	21	—	—
183268 2002 TE_{227}	16.5	X	55.18325	322.54290	66.52724	4.65191	0.1311831	0.27067986	2.3668210	21	—	—
183269 2002 TB_{241}	16.7	X	53.90478	292.50129	56.14246	2.15232	0.2004486	0.26776643	2.3839581	21	—	—
183270 2002 TC_{241}	16.4	X	329.42234	27.92340	59.46686	2.72500	0.1346645	0.26608892	2.3939671	21	—	—
183271 2002 TL_{248}	16.7	X	45.00421	159.85079	139.95750	3.26621	0.1946670	0.26117945	2.4238740	21	11 2.2	19.6
183272 2002 TS_{251}	16.5	X	236.13647	60.97895	24.12500	4.94094	0.1174213	0.25385053	2.4703055	21	8 14.4	19.9
183273 2002 TP_{258}	16.4	X	120.23610	223.26324	118.48021	3.70832	0.1828675	0.27486684	2.3427241	21	—	—
183274 2002 TS_{258}	16.7	X	141.40734	9.90552	49.76961	7.85441	0.2576232	0.23331443	2.6132140	21	4 14.5	21.0
183275 2002 TE_{260}	17.2	X	254.97036	163.93917	199.92612	4.88494	0.2378889	0.24539584	2.5267247	21	5 4.8	21.3
183276 2002 TT_{260}	15.6	X	118.34261	52.06475	52.78165	31.57266	0.3011359	0.23212684	2.6221195	21	5 19.7	19.8
183277 2002 TV_{261}	17.0	X	27.46521	280.65927	45.51136	5.77822	0.1711481	0.26123240	2.4235465	21	11 7.7	19.6
183278 2002 TP_{270}	16.2	X	124.14978	149.38488	261.79486	2.79029	0.1122831	0.23242517	2.6198752	21	2 25.4	19.7
183279 2002 TG_{271}	16.4	X	181.99451	49.53724	237.83975	5.42106	0.1080419	0.27796660	2.3252749	21	—	—
183280 2002 TT_{274}	16.6	X	123.64447	156.22810	278.66884	3.06595	0.2300582	0.23300927	2.6154951	21	4 10.7	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
183281 2002 TC_{278}	16.0	X	79.37164	17.19070	317.22394	6.54253	0.1450053	0.26941116	2.3742457	21	—	—
183282 2002 TM_{283}	15.7	X	42.67787	141.55680	230.69787	7.66540	0.2727916	0.26787670	2.3833039	21	—	—
183283 2002 TY_{287}	16.3	X	224.27061	336.50651	350.03213	4.87947	0.2096499	0.28847302	2.2684676	21	2 19.4	19.9
183284 2002 TU_{294}	15.8	X	71.21868	310.55542	16.99409	23.60340	0.0795094	0.26522566	2.3991589	21	12 22.5	19.6
183285 2002 TD_{298}	15.8	X	62.11055	118.23784	241.09763	5.21775	0.0227126	0.21818591	2.7326557	21	—	—
183286 2002 TP_{304}	17.4	X	339.54372	229.24529	123.22418	5.45759	0.1154861	0.25705982	2.4497019	21	9 14.2	19.7
183287 Deisenstein	17.2	X	240.10471	237.12349	264.89745	2.25071	0.1154800	0.26528100	2.3988253	21	11 3.1	20.1
183288 Eyer	17.6	X	152.81160	96.25890	165.01722	6.13441	0.2068803	0.27271256	2.3550454	21	12 26.9	21.5
183289 2002 TR_{345}	17.0	X	167.16910	74.20934	109.02313	7.36577	0.1685949	0.25731470	2.4480840	21	10 8.0	21.0
183290 2002 TP_{375}	17.2	X	3.62108	2.18117	13.22336	2.18819	0.1700285	0.26549756	2.3975207	21	12 8.6	19.6
183291 2002 TC_{376}	16.6	X	39.85071	185.07254	128.02813	7.51399	0.0842355	0.25953259	2.4341170	21	10 28.4	19.6
183292 2002 TK_{376}	14.2	X	115.60040	216.76484	320.05104	16.07254	0.2899236	0.18404729	3.0609044	21	8 15.2	19.3
183293 2002 TD_{378}	15.3	X	138.46095	90.57345	249.65567	4.80163	0.1497042	0.17201245	3.2020600	21	1 2.7	20.2
183294 Langbroek	15.3	X	272.66429	194.92077	105.86675	6.32031	0.1127856	0.18599638	3.0394830	21	3 26.2	19.9
183295 2002 UJ	15.6	X	222.29995	168.75811	162.99665	24.40190	0.2205684	0.28988736	2.2610831	21	2 22.3	19.5
183296 2002 UX_{2}	15.7	X	171.65532	82.94224	341.09991	21.45149	0.1394176	0.23742441	2.5829687	21	4 26.7	20.2
183297 2002 UZ_{5}	16.8	X	319.98081	243.73847	157.27204	7.70299	0.1201605	0.25920788	2.4361494	21	10 21.1	19.2
183298 2002 UB_{14}	15.7	X	112.09098	263.00156	189.41986	12.80691	0.1593741	0.23279851	2.6170735	21	4 14.1	19.3
183299 2002 UD_{19}	16.5	X	172.64727	351.41231	83.36024	5.32259	0.1939238	0.23921385	2.5700713	21	5 24.5	20.8
183300 2002 UH_{19}	16.7	X	54.35925	147.69505	212.47574	2.32593	0.1684097	0.26683272	2.3895163	21	—	—
183301 2002 UN_{20}	16.6	X	175.13768	285.52607	170.08996	3.52042	0.2083169	0.24212944	2.5493980	21	6 21.7	20.9
183302 2002 UB_{26}	16.0	X	257.74693	8.77458	51.53602	15.65526	0.1424713	0.25126650	2.4872130	21	8 7.6	19.7
183303 2002 UU_{33}	16.4	X	81.89203	284.38493	42.17783	6.55763	0.1575534	0.26683904	2.3894785	21	—	—
183304 2002 UZ_{37}	16.5	X	121.81686	246.80931	62.50692	2.53816	0.1696496	0.27125522	2.3634730	21	—	—
183305 2002 UR_{41}	16.6	X	316.75787	300.17528	129.71915	3.53807	0.1156960	0.26020890	2.4298975	21	11 25.4	18.9
183306 2002 UM_{48}	16.2	X	17.07246	305.78852	135.30370	8.67282	0.2055905	0.21747890	2.7385750	21	—	—
183307 2002 UZ_{55}	17.3	X	218.38058	133.62673	112.21092	7.05111	0.2176160	0.27716963	2.3297301	21	—	—
183308 2002 UR_{72}	15.1	X	128.04271	73.24701	253.98072	2.44173	0.0285134	0.16892023	3.2410192	21	—	—
183309 2002 VQ	13.7	X	327.46553	237.12034	43.70510	5.59968	0.0705190	0.08474942	5.1330824	21	5 19.9	20.2
183310 2002 VK_{6}	17.3	X	283.05930	243.73122	187.52985	1.85967	0.1812226	0.25505012	2.4625536	21	9 16.1	19.9
183311 2002 VV_{9}	16.4	X	231.83397	352.16168	296.87024	4.64427	0.2300705	0.28496425	2.2870507	21	1 10.7	20.2
183312 2002 VD_{10}	16.9	X	147.82183	114.07236	330.56311	4.31399	0.2787142	0.23630178	2.5911430	21	5 18.5	21.4
183313 2002 VH_{14}	15.5	X	157.88919	249.70282	62.17107	24.71795	0.2672775	0.27618195	2.3352812	21	—	—
183314 2002 VJ_{18}	16.5	X	183.31570	34.39648	43.30334	6.84844	0.0439316	0.24276863	2.5449212	21	6 3.9	20.1
183315 2002 VS_{21}	16.3	X	100.87445	74.71028	345.64333	5.74409	0.1174066	0.22832940	2.6511125	21	2 11.2	19.6
183316 2002 VP_{27}	16.2	X	286.72570	343.17758	9.14989	1.84601	0.1283361	0.24640508	2.5198205	21	6 8.5	19.3
183317 2002 VY_{27}	16.2	X	84.68595	296.27908	61.91126	7.33556	0.1404790	0.26984063	2.3717259	21	—	—
183318 2002 VH_{34}	15.7	X	196.82645	7.58724	65.02099	15.62529	0.1416031	0.24096370	2.5576138	21	6 11.1	19.8
183319 2002 VT_{41}	16.5	X	354.78080	138.58411	210.40155	6.21877	0.1492426	0.25670674	2.4519477	21	10 7.5	18.7
183320 2002 VE_{42}	16.4	X	281.04439	348.49565	356.11814	4.91971	0.1916325	0.24581053	2.5238821	21	5 10.3	19.9
183321 2002 VE_{44}	16.3	X	17.98594	344.78529	89.06394	7.34672	0.0517610	0.26985682	2.3716310	21	—	—
183322 2002 VO_{49}	16.4	X	141.01257	306.86708	135.59437	4.32698	0.1960375	0.23455686	2.6039779	21	5 6.9	20.5
183323 2002 VV_{50}	16.8	X	301.92409	337.27098	83.47874	4.24579	0.1735748	0.25751754	2.4467983	21	10 9.4	19.1
183324 2002 VK_{51}	16.5	X	196.31039	230.50641	87.97335	6.35605	0.1847711	0.28348558	2.2949967	21	1 16.7	20.0
183325 2002 VQ_{51}	17.0	X	111.60706	205.93764	131.93462	3.46188	0.2515501	0.27432030	2.3458348	21	—	—
183326 2002 VK_{52}	16.4	X	27.27084	330.42521	84.74361	7.71221	0.1000697	0.27022065	2.3695017	21	—	—
183327 2002 VP_{52}	16.5	X	218.14189	253.38987	65.18461	7.72924	0.1303612	0.28678886	2.2773399	21	2 6.0	20.0
183328 2002 VY_{55}	16.9	X	101.41054	295.32881	45.05227	3.24624	0.1967700	0.27134342	2.3629608	21	—	—
183329 2002 VA_{56}	16.1	X	22.73658	311.45118	128.52091	5.57893	0.0889537	0.21890323	2.7266827	21	—	—
183330 2002 VC_{67}	15.5	X	168.37745	340.63406	35.72324	1.65493	0.1051848	0.18084304	3.0969546	21	3 10.7	20.2
183331 2002 VF_{67}	16.2	X	166.19191	203.44549	213.61308	4.45326	0.1837637	0.23726595	2.5841186	21	4 25.8	20.5
183332 2002 VR_{72}	16.6	X	272.10287	313.93974	136.24132	4.32575	0.1692526	0.25547148	2.4598451	21	9 30.1	19.5
183333 2002 VB_{77}	16.7	X	344.94408	208.49939	196.35986	6.12171	0.1373332	0.26108445	2.4244620	21	12 12.4	19.1
183334 2002 VR_{77}	16.3	X	226.61446	255.77789	157.56953	3.93476	0.2263259	0.24473652	2.5312606	21	6 11.7	20.5
183335 2002 VQ_{80}	16.1	X	48.56400	242.91744	93.48402	6.87518	0.1343770	0.26140621	2.4224721	21	12 14.9	19.1
183336 2002 VQ_{81}	16.0	X	143.67402	321.74401	138.38603	5.80103	0.2162564	0.23609826	2.5926319	21	6 1.7	20.3
183337 2002 VX_{82}	16.5	X	156.80911	355.32715	106.41970	4.86650	0.1361767	0.23983336	2.5656436	21	6 10.5	20.4
183338 2002 VM_{83}	16.1	X	190.97344	344.93959	75.32484	15.01683	0.1665302	0.23960190	2.5672956	21	5 23.2	20.3
183339 2002 VV_{86}	15.1	X	127.09629	106.54068	280.60938	6.23915	0.1993133	0.17552300	3.1592212	21	2 17.5	20.0
183340 2002 VC_{87}	17.1	X	104.61400	85.36696	11.47641	6.49482	0.2579397	0.23053326	2.6341894	21	4 22.4	20.9
183341 2002 VQ_{89}	16.6	X	124.72694	309.53725	118.08487	5.75990	0.2241478	0.23193028	2.6236008	21	4 6.5	20.6
183342 2002 VF_{90}	16.6	X	129.74160	0.91185	111.16770	3.54463	0.1464118	0.23765537	2.5812949	21	5 27.7	20.3
183343 2002 VN_{92}	16.8	X	299.30735	220.27233	213.00141	4.02543	0.1096401	0.25774731	2.4453439	21	10 28.7	19.3
183344 2002 VE_{93}	16.8	X	138.86887	322.16160	126.69424	3.02339	0.1801922	0.23546592	2.5972714	21	5 10.9	20.8
183345 2002 VB_{100}	16.2	X	205.18832	132.81638	263.60490	2.13410	0.1700258	0.24034613	2.5619931	21	5 3.9	20.4
183346 2002 VH_{104}	17.0	X	119.18381	314.92290	17.09135	2.70376	0.2152073	0.27329943	2.3516728	21	—	—
183347 2002 VJ_{108}	16.4	X	31.02825	328.80352	32.23438	4.45763	0.1842662	0.26263382	2.4149174	21	—	—
183348 2002 VE_{109}	15.9	X	223.56727	14.33324	47.54490	6.63803	0.2067353	0.24365395	2.5387528	21	6 20.5	20.1
183349 2002 VZ_{109}	15.9	X	152.17494	8.66625	57.51838	5.39209	0.2581896	0.23273472	2.6175517	21	4 30.3	20.3
183350 2002 VC_{110}	16.6	X	53.00573	270.70500	56.54328	3.41283	0.1808594	0.26300143	2.4126666	21	12 14.8	19.8
183351 2002 VP_{111}	16.1	X	65.67263	339.81293	318.76869	7.12545	0.0965747	0.25976416	2.4326702	21	11 7.9	19.5
183352 2002 VG_{114}	16.6	X	154.36794	126.30917	310.38525	0.32683	0.1375974	0.23621248	2.5917960	21	5 6.3	20.3
183353 2002 VQ_{119}	15.5	X	256.03529	27.29188	6.35969	4.60692	0.1939594	0.24550137	2.5260005	21	6 17.2	19.2
183354 2002 VW_{119}	14.6	X	270.56770	87.27572	284.01596	12.67015	0.2440267	0.24494833	2.5298012	21	5 27.7	18.4
183355 2002 VS_{122}	16.2	X	40.53082	344.15595	333.97533	6.25723	0.1690529	0.25913530	2.4366043	21	11 12.6	19.2
183356 2002 VH_{124}	16.7	X	339.54778	11.88076	333.76433	2.06325	0.2091823	0.25708094	2.4495678	21	8 29.3	18.3
183357 Rickshelton	16.9	X	194.04828	198.79266	232.22797	5.61604	0.2202768	0.24306628	2.5428431	21	6 6.6	21.1
183358 2002 VM_{131}	13.1	X	243.27236	300.28069	73.63146	12.00507	0.0934918	0.08307301	5.2019089	21	5 27.1	20.1
183359 2002 VS_{134}	16.0	X	148.88288	68.95807	359.87664	6.86537	0.1927253	0.23406222	2.6076452	21	4 23.3	20.2
183360 2002 VN_{140}	16.2	X	341.02050	314.22342	90.27750	1.32436	0.0615148	0.20687403	2.8313837	21	11 17.4	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
183361 2002 VO_{141}	16.0	X	60.84130	316.31457	125.07748	14.39469	0.2268709	0.22270937	2.6955272	21	1 18.9	18.3
183362 2002 WB_{13}	16.5	X	155.84506	87.18029	17.12236	5.06481	0.1828875	0.23990304	2.5651467	21	6 14.5	20.8
183363 2002 WC_{13}	16.6	X	47.55382	77.68714	264.04467	2.34492	0.1422904	0.26316127	2.4116895	21	12 21.9	19.8
183364 2002 WT_{16}	15.2	X	99.92860	247.33972	224.05711	13.55485	0.0361567	0.17893591	3.1189210	21	4 7.9	19.6
183365 2002 WK_{20}	16.4	X	182.21866	262.72980	50.03750	7.14822	0.2136260	0.27934685	2.3176091	21	—	—
183366 2002 WU_{22}	16.9	X	136.54448	248.65801	73.13129	7.94116	0.1365951	0.27240160	2.3568373	21	—	—
183367 2002 XJ	16.6	X	63.29906	258.14251	103.86529	2.38358	0.1952586	0.26823886	2.3811582	21	—	—
183368 2002 XD_{7}	15.9	X	62.69220	260.96451	240.14185	11.59210	0.2027762	0.23082543	2.6319661	21	4 10.9	18.8
183369 2002 XZ_{15}	16.1	X	99.14885	133.76237	329.31600	10.23131	0.1389678	0.23164282	2.6257708	21	4 2.8	19.7
183370 2002 XE_{17}	15.8	X	148.09533	17.27831	67.88531	22.95578	0.0804786	0.23340285	2.6125540	21	5 11.1	19.7
183371 2002 XP_{20}	16.5	X	262.41482	9.95151	342.53924	2.31217	0.1972114	0.24342652	2.5403338	21	4 30.1	20.3
183372 2002 XZ_{21}	15.4	X	257.85561	354.14372	44.98663	3.91119	0.2123568	0.24566770	2.5248602	21	6 24.5	19.2
183373 2002 XO_{22}	16.0	X	115.37957	104.49049	46.72568	7.21912	0.1778546	0.23791344	2.5794280	21	7 5.9	19.9
183374 2002 XC_{25}	16.3	X	229.01600	0.45623	348.14020	0.36223	0.1965890	0.23624044	2.5915915	21	3 26.8	20.7
183375 2002 XT_{29}	16.3	X	82.17325	315.57810	181.96931	6.22353	0.2233335	0.23028477	2.6360840	21	5 15.8	19.7
183376 2002 XM_{30}	15.6	X	127.62953	143.09568	286.37326	14.38882	0.1516611	0.23117686	2.6292980	21	3 23.2	19.8
183377 2002 XM_{31}	16.3	X	91.53640	180.66221	307.60121	3.43415	0.1822225	0.23164478	2.6257560	21	5 6.6	19.7
183378 2002 XG_{37}	16.2	X	130.99948	43.41909	15.79533	13.44189	0.2538080	0.22832044	2.6511819	21	4 3.2	20.4
183379 2002 XL_{44}	16.9	X	351.58562	297.36739	105.24902	4.80177	0.1189415	0.26092926	2.4254232	21	12 18.7	19.4
183380 2002 XP_{48}	16.6	X	158.02548	149.67966	176.62612	1.93866	0.2216650	0.27698610	2.3307592	21	—	—
183381 2002 XC_{49}	15.0	X	195.19238	278.54557	63.40659	11.19761	0.0654181	0.17563761	3.1578467	21	3 1.2	19.9
183382 2002 XJ_{51}	16.6	X	229.00746	301.48768	98.13514	2.59903	0.1540380	0.24199379	2.5503507	21	6 1.2	20.5
183383 2002 XM_{54}	15.2	X	128.03010	213.26989	230.03012	11.31479	0.1074907	0.17934313	3.1141979	21	4 16.5	19.8
183384 2002 XD_{55}	16.3	X	141.57412	221.32183	215.41599	4.90788	0.1318222	0.23333781	2.6130394	21	4 22.6	20.2
183385 2002 XN_{58}	16.0	X	180.46167	225.99263	199.13289	3.77833	0.2388623	0.23736267	2.5834166	21	5 20.1	20.4
183386 2002 XR_{59}	15.4	X	26.65818	70.74261	94.08008	5.41968	0.2009100	0.22346221	2.6894697	21	3 7.5	17.8
183387 2002 XE_{60}	16.5	X	8.45798	270.65589	91.85812	2.52842	0.2074502	0.25907169	2.4370031	21	12 3.4	18.7
183388 2002 XL_{60}	16.7	X	47.62678	288.59864	83.81176	2.43994	0.1993452	0.26641037	2.3920411	21	—	—
183389 2002 XD_{63}	15.6	X	179.60915	2.75727	53.56351	11.84858	0.1697833	0.18353726	3.0665724	21	5 9.7	20.6
183390 2002 XX_{66}	15.9	X	278.13905	96.20399	251.07736	2.58584	0.2364573	0.24437866	2.5337311	21	5 5.8	19.7
183391 2002 XG_{72}	16.1	X	210.03560	359.60843	359.62690	3.26326	0.1571099	0.23532666	2.5982961	21	3 24.2	20.3
183392 2002 XU_{72}	16.7	X	210.92179	27.48898	32.28385	3.63655	0.1698262	0.24226291	2.5484616	21	6 7.9	20.7
183393 2002 XJ_{73}	15.8	X	134.84347	74.91399	42.09970	4.12378	0.2190299	0.23614710	2.5922744	21	6 13.9	20.1
183394 2002 XH_{75}	16.0	X	89.11235	16.20586	72.79217	10.25935	0.2078696	0.22600943	2.6692239	21	3 23.6	19.5
183395 2002 XT_{76}	16.8	X	161.20290	347.61033	30.06620	4.45181	0.2193099	0.23081973	2.6320093	21	3 8.6	21.0
183396 2002 XZ_{76}	15.3	X	195.98403	342.33076	58.99002	11.03458	0.1019194	0.18411197	3.0601875	21	5 7.2	20.0
183397 2002 XT_{80}	16.3	X	209.35777	35.42526	35.45405	4.16272	0.2213885	0.24060941	2.5601239	21	6 18.9	20.6
183398 2002 XS_{91}	15.7	X	62.93947	253.05358	265.66875	9.95064	0.1311179	0.23023258	2.6364823	21	4 25.9	19.0
183399 2002 XQ_{93}	16.3	X	122.95438	279.14517	85.18340	7.74665	0.2209792	0.27548908	2.3391952	21	1 2.8	19.0
183400 2002 XJ_{101}	16.2	X	19.90526	272.68432	80.77105	5.91032	0.1265618	0.25842035	2.4410963	21	11 26.7	18.9
183401 2002 XM_{109}	16.1	X	235.66520	283.39662	40.88818	3.99117	0.0750646	0.23296601	2.6158189	21	3 11.2	19.9
183402 2002 XY_{111}	16.5	X	106.68503	343.47492	56.10935	6.61891	0.2425424	0.22469129	2.6796530	21	2 13.6	20.1
183403 Gal	15.3	X	91.06184	105.81474	114.17447	10.37031	0.0287225	0.18251179	3.0780483	21	8 16.2	19.6
183404 2002 YO	16.0	X	115.78396	340.37225	96.68854	6.40349	0.1478377	0.22676280	2.6633087	21	3 31.1	19.8
183405 2002 YE_{4}	16.5	X	64.65909	344.26569	63.35777	0.91338	0.0676535	0.21440680	2.7646724	21	—	—
183406 2002 YK_{6}	15.5	X	31.77245	119.12829	99.55799	15.52101	0.1332668	0.23113500	2.6296154	21	6 2.9	18.4
183407 2002 YU_{6}	15.7	X	214.73732	266.99643	116.99785	5.84288	0.2860333	0.23700270	2.5860318	21	4 27.1	20.4
183408 2002 YM_{8}	15.7	X	182.72619	358.36597	77.67772	4.02329	0.1687460	0.23834529	2.5763112	21	6 3.3	19.9
183409 2002 YV_{13}	16.1	X	126.09160	300.84741	105.28064	4.81547	0.2284511	0.22629971	2.6669409	21	3 12.6	20.1
183410 2002 YS_{17}	16.3	X	122.88079	17.10053	64.46819	3.33686	0.1870972	0.23055568	2.6340186	21	4 16.2	20.1
183411 2002 YA_{19}	17.0	X	198.25282	297.53176	149.44362	0.92038	0.1873729	0.24188964	2.5510827	21	6 30.9	21.2
183412 2002 YF_{20}	15.4	X	196.25999	161.59344	266.37914	8.86354	0.1466351	0.23935427	2.5690660	21	6 5.6	19.3
183413 2002 YN_{20}	16.0	X	17.68885	56.80555	312.33421	1.39881	0.2146924	0.25990220	2.4318087	21	12 28.9	18.7
183414 2002 YY_{29}	14.7	X	122.68892	267.80386	301.51079	10.04268	0.1814412	0.18840584	3.0135135	21	9 17.0	19.7
183415 2003 AH_{2}	16.1	X	143.36676	239.33205	176.69824	11.97127	0.2928593	0.22934262	2.6432985	21	4 14.6	20.6
183416 2003 AD_{5}	16.4	X	8.54410	303.32996	88.26754	7.83090	0.1750442	0.26021436	2.4298635	21	—	—
183417 2003 AE_{5}	16.1	X	24.29629	160.99441	301.30628	6.83062	0.1857707	0.21640958	2.7475888	21	—	—
183418 2003 AY_{6}	15.5	X	259.02084	319.83745	89.41771	11.49260	0.0985590	0.19299153	2.9655862	21	7 25.1	19.7
183419 2003 AC_{12}	15.8	X	209.02584	182.32795	213.07780	6.39291	0.2901618	0.23883040	2.5728214	21	5 4.5	20.5
183420 2003 AU_{14}	15.4	X	352.74381	245.23621	243.03609	8.79884	0.2251419	0.21203373	2.7852622	21	—	—
183421 2003 AX_{17}	15.5	X	153.22230	2.59051	77.56156	15.16681	0.1200259	0.23133726	2.6280825	21	5 12.3	19.6
183422 2003 AF_{20}	16.3	X	130.62502	354.29530	64.67504	7.39707	0.1407802	0.22822466	2.6519235	21	3 24.5	20.2
183423 2003 AR_{20}	16.0	X	201.85169	356.05331	24.18345	5.17694	0.1982110	0.23439320	2.6051899	21	4 11.7	20.4
183424 2003 AC_{22}	15.9	X	198.95749	73.89573	55.28127	3.99437	0.1663637	0.19001195	2.9965080	21	8 24.9	20.7
183425 2003 AL_{23}	15.0	X	154.60798	182.43567	245.31775	10.96371	0.1088749	0.18176379	3.0864872	21	4 25.3	19.9
183426 2003 AM_{24}	15.9	X	37.30736	273.96064	278.25954	11.72752	0.1301523	0.23193985	2.6235286	21	4 27.4	18.9
183427 2003 AD_{25}	16.0	X	100.40810	238.34118	253.25756	2.63360	0.1505083	0.23177036	2.6248075	21	5 19.0	19.4
183428 2003 AD_{29}	14.7	X	79.73206	169.48062	298.61470	20.03467	0.0576403	0.17001573	3.2270818	21	3 4.9	19.5
183429 2003 AW_{35}	16.1	X	102.15328	328.24260	128.38237	8.71424	0.2586058	0.22812200	2.6527191	21	4 24.8	20.0
183430 2003 AG_{55}	15.9	X	40.02355	191.04995	321.14938	12.53027	0.0939554	0.22366586	2.6878369	21	3 5.5	19.2
183431 2003 AA_{58}	15.7	X	68.97221	342.92381	112.27875	14.93663	0.1525937	0.22034314	2.7147908	21	2 17.6	18.9
183432 2003 AH_{61}	15.5	X	27.61244	352.16549	234.20556	3.95342	0.2097511	0.23117944	2.6292785	21	6 11.5	17.8
183433 2003 AT_{62}	16.0	X	106.93941	263.57085	73.06700	3.05805	0.1939033	0.26593670	2.3948806	21	—	—
183434 2003 AL_{63}	16.5	X	74.33282	222.83356	260.62809	0.98919	0.0823148	0.22589344	2.6701376	21	3 22.2	19.8
183435 2003 AB_{65}	15.5	X	287.03897	154.88913	47.24841	10.62307	0.1728175	0.21364887	2.7712071	21	—	—
183436 2003 AH_{65}	15.6	X	273.53505	30.92762	339.71149	12.44972	0.1871709	0.24252390	2.5466329	21	6 6.0	19.4
183437 2003 AK_{65}	15.6	X	89.58041	9.09330	74.83561	15.81866	0.2009966	0.22393275	2.6857008	21	3 20.4	19.3
183438 2003 AF_{68}	16.5	X	137.49213	310.32370	154.30386	3.79117	0.1698020	0.23198249	2.6232071	21	5 28.8	20.5
183439 2003 AC_{72}	15.7	X	156.26357	89.41872	25.16686	12.63338	0.0884847	0.23687132	2.5869879	21	6 23.4	19.8
183440 2003 AW_{82}	16.0	X	17.77962	68.82529	113.84402	3.61651	0.0805505	0.22156450	2.7048048	21	3 16.9	19.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
183441 2003 AK_{84}	16.0	X	48.79691	249.04883	209.78689	9.12888	0.2234134	0.21888531	2.7268315	21	1 15.9	18.7
183442 2003 AL_{90}	15.2	X	129.95920	39.26695	70.28300	12.94645	0.1167707	0.17893136	3.1189739	21	5 24.2	20.0
183443 2003 AZ_{91}	15.2	X	228.24316	80.75682	321.85205	13.53740	0.1566230	0.24226691	2.5484336	21	6 2.3	19.5
183444 2003 AN_{94}	15.7	X	331.72608	93.97428	54.02801	9.92108	0.0978614	0.21098397	2.7944934	21	—	—
183445 2003 BE_{3}	15.5	X	9.70836	323.18375	235.95027	4.04329	0.1607516	0.22331977	2.6906132	21	3 18.0	18.2
183446 2003 BT_{7}	17.1	X	355.98266	64.83634	135.87663	2.73249	0.2021318	0.27416506	2.3467202	21	2 4.9	19.4
183447 2003 BV_{8}	16.2	X	201.06482	249.63948	189.54596	4.58124	0.1363804	0.23819728	2.5773784	21	6 25.1	20.2
183448 2003 BY_{10}	15.8	X	355.26146	154.62515	336.64125	13.29810	0.1134049	0.21207925	2.7848636	21	—	—
183449 2003 BU_{12}	15.7	X	43.11435	60.60703	139.10166	12.67229	0.2838077	0.22771746	2.6558599	21	6 18.4	18.4
183450 2003 BL_{18}	15.5	X	148.36883	299.07562	135.03716	22.15445	0.0427803	0.22747951	2.6577117	21	4 27.4	19.7
183451 2003 BV_{18}	16.0	X	230.69361	292.95619	113.64684	14.22070	0.1870899	0.24500883	2.5293847	21	6 11.0	20.1
183452 2003 BF_{20}	15.8	X	350.51646	153.84169	100.94639	12.88886	0.1403321	0.22760858	2.6567068	21	5 9.7	18.8
183453 2003 BK_{22}	15.4	X	294.44664	210.11270	140.04713	19.55494	0.0712185	0.24480354	2.5307986	21	6 27.9	18.9
183454 2003 BK_{24}	15.5	X	243.54069	216.62501	172.76306	13.87572	0.2855753	0.23934330	2.5691445	21	5 25.1	20.1
183455 2003 BO_{30}	15.9	X	1.04235	3.80772	125.53347	9.55966	0.1351694	0.21419331	2.7665092	21	—	—
183456 2003 BY_{33}	16.0	X	68.55782	285.77657	202.85448	11.94622	0.2111752	0.22413215	2.6841077	21	4 8.9	18.8
183457 2003 BC_{35}	16.3	X	324.11257	346.62834	208.17342	1.81317	0.1912722	0.21640720	2.7476089	21	—	—
183458 2003 BU_{42}	15.9	X	28.74624	36.81353	67.66326	9.35891	0.1670624	0.21465488	2.7625418	21	—	—
183459 2003 BL_{46}	15.9	X	199.83918	219.01298	189.67575	18.93111	0.2914745	0.23850415	2.5751672	21	5 15.8	20.8
183460 2003 BT_{52}	15.5	X	277.76391	106.53010	115.00964	14.04924	0.1633059	0.21250916	2.7811064	21	—	—
183461 2003 BU_{54}	16.3	X	51.17692	15.22955	140.71765	8.80287	0.1897367	0.22402793	2.6849401	21	4 17.1	19.2
183462 2003 BM_{56}	16.2	X	322.27196	85.66571	60.82946	3.00903	0.1661461	0.20975468	2.8054010	21	—	—
183463 2003 BH_{60}	16.4	X	120.53347	335.22785	153.97256	2.58959	0.0911206	0.23224576	2.6212243	21	6 2.3	20.1
183464 2003 BO_{60}	16.7	X	49.00953	14.17069	143.65741	2.28630	0.1659315	0.22414536	2.6840023	21	4 9.5	19.3
183465 2003 BL_{72}	15.5	X	343.00426	249.15061	332.23276	14.20596	0.0528706	0.22350270	2.6891449	21	3 12.2	19.0
183466 2003 BE_{74}	15.2	X	29.41142	270.14104	11.94443	12.86549	0.1967636	0.23881574	2.5729267	21	9 13.1	17.9
183467 2003 BP_{75}	15.7	X	296.81615	253.06609	23.97471	11.34763	0.0925970	0.22474616	2.6792169	21	3 23.0	19.3
183468 2003 BQ_{76}	15.8	X	158.05524	45.63286	6.97684	11.59129	0.1822207	0.22811702	2.6527578	21	4 11.4	20.1
183469 2003 BF_{81}	16.3	X	206.34438	308.57454	91.05463	2.42978	0.2208563	0.23596760	2.5935888	21	5 9.3	20.6
183470 2003 BH_{82}	15.8	X	75.75577	30.22028	98.61658	3.60566	0.1170978	0.22678721	2.6631176	21	4 8.0	19.0
183471 2003 BM_{86}	16.0	X	107.58393	322.95855	122.24598	15.71955	0.0781356	0.22538474	2.6741538	21	3 23.9	19.8
183472 2003 BV_{87}	16.6	X	137.09047	275.55573	167.27423	4.11747	0.2122336	0.23181573	2.6244650	21	5 4.9	20.8
183473 2003 BD_{88}	16.2	X	59.23920	347.22276	112.36187	5.90639	0.0756933	0.21810497	2.7333317	21	1 28.9	19.4
183474 2003 CB_{1}	16.1	X	352.61244	79.07685	91.45726	2.84022	0.1225543	0.21808140	2.7335287	21	1 15.4	19.5
183475 2003 CK_{2}	15.7	X	218.25706	2.96136	143.51928	14.06494	0.2147798	0.19106472	2.9854906	21	9 30.6	20.7
183476 2003 CR_{13}	15.2	X	314.44117	240.77746	342.65209	21.74894	0.0231881	0.21914490	2.7246777	21	2 17.4	18.9
183477 2003 CD_{18}	16.1	X	70.32837	130.09927	322.14513	7.84775	0.0569287	0.21847964	2.7302059	21	2 2.9	19.6
183478 2003 CR_{19}	15.7	X	327.01321	188.56812	28.65612	13.53934	0.1282613	0.21752640	2.7381763	21	2 13.2	19.5
183479 2003 DL_{5}	16.7	X	30.20291	220.23105	215.22021	3.79278	0.2337347	0.21255520	2.7807049	21	—	—
183480 2003 DP_{5}	16.1	X	247.58158	3.46049	187.84353	4.93446	0.0474451	0.20457908	2.8525191	21	—	—
183481 2003 DR_{5}	15.9	X	280.91854	254.58891	4.95039	8.56793	0.1181428	0.21912417	2.7248495	21	2 7.5	19.9
183482 2003 DE_{12}	16.5	X	282.56448	30.27515	126.33907	3.00445	0.0101045	0.20322470	2.8651788	21	—	—
183483 2003 DS_{12}	16.1	X	329.83437	333.22754	172.25551	1.66680	0.1517133	0.20859148	2.8158208	21	—	—
183484 2003 DZ_{14}	16.3	X	337.29172	67.60063	86.46052	5.04122	0.1340287	0.21113877	2.7931273	21	—	—
183485 2003 DY_{18}	15.3	X	201.83049	170.58995	342.44222	12.64559	0.0265918	0.19195511	2.9762513	21	9 29.9	19.7
183486 2003 DX_{21}	15.0	X	159.28264	205.91101	18.84942	15.25836	0.0233317	0.19370301	2.9583199	21	11 7.5	19.4
183487 2003 ES_{3}	16.1	X	275.27570	92.54360	163.51992	3.46284	0.0395655	0.21637066	2.7479182	21	2 2.9	20.0
183488 2003 ET_{6}	15.9	X	204.79067	267.39018	302.54837	5.04002	0.1620154	0.19760257	2.9192704	21	12 2.9	20.4
183489 2003 EJ_{18}	15.9	X	354.13858	179.39313	356.02996	5.21024	0.0188849	0.21658258	2.7461254	21	2 5.9	19.5
183490 2003 EQ_{18}	15.7	X	344.35945	55.48428	138.52562	4.61985	0.0255269	0.21821906	2.7323789	21	2 14.5	19.4
183491 2003 EU_{21}	15.6	X	146.15230	5.33171	139.86715	5.30912	0.0806769	0.18049070	3.1009838	21	7 21.2	20.3
183492 2003 EH_{25}	15.8	X	243.45816	78.30843	119.67402	9.05866	0.1659835	0.20085746	2.8876468	21	12 29.9	19.9
183493 2003 EB_{29}	15.8	X	186.27228	21.48151	162.74767	11.25333	0.1485179	0.19055413	2.9908214	21	10 20.2	20.7
183494 2003 EM_{35}	15.4	X	236.40513	46.13228	198.77380	8.71832	0.2154255	0.20319623	2.8654464	21	—	—
183495 2003 EK_{37}	15.2	X	300.64029	168.86725	65.73341	15.42263	0.1443888	0.21443817	2.7644028	21	1 27.9	19.4
183496 2003 EF_{38}	15.4	X	357.41319	344.22911	203.73756	12.40446	0.1639086	0.21735208	2.7396401	21	2 6.0	18.7
183497 2003 EH_{46}	15.9	X	200.10464	94.43376	146.45213	8.62648	0.1338324	0.19993779	2.8964951	21	—	—
183498 2003 EN_{47}	15.3	X	171.70213	264.76766	185.24719	14.41883	0.3908397	0.18272289	3.0756771	21	6 15.8	21.4
183499 2003 ES_{61}	16.0	X	351.84056	82.42889	120.73059	5.96168	0.0533888	0.21861785	2.7290551	21	3 7.5	19.4
183500 2003 FV_{2}	15.0	X	59.78696	83.76865	174.70563	25.99119	0.1980168	0.17753632	3.1352914	21	9 17.1	19.2
183501 2003 FU_{4}	16.1	X	263.35126	241.49096	102.97022	7.00733	0.0709692	0.22672579	2.6635985	21	5 10.3	19.8
183502 2003 FM_{8}	16.9	X	212.62828	321.42614	5.45346	20.50249	0.0664064	0.37740621	1.8964003	21	1 30.9	19.5
183503 2003 FP_{12}	15.3	X	130.19701	102.79838	129.21294	10.56139	0.0124944	0.19082363	2.9880047	21	10 20.6	19.7
183504 2003 FP_{15}	15.4	X	188.96589	113.05033	20.28532	8.67066	0.0305104	0.18209595	3.0827327	21	8 27.1	19.9
183505 2003 FY_{25}	16.3	X	153.71501	346.14023	182.44670	1.19965	0.1056547	0.18325673	3.0697011	21	8 28.5	21.0
183506 2003 FP_{33}	15.2	X	35.57976	293.95737	24.26742	9.99270	0.1064084	0.18565341	3.0432252	21	10 17.4	19.1
183507 2003 FC_{36}	15.9	X	57.02058	148.86661	184.79211	9.87827	0.0468789	0.19210539	2.9746989	21	11 27.5	20.1
183508 2003 FE_{36}	16.1	X	87.53390	233.94234	184.84721	5.58783	0.0653767	0.21050696	2.7987133	21	1 16.1	19.7
183509 2003 FZ_{40}	16.0	X	31.42242	102.74129	16.54949	10.49728	0.0261808	0.21331224	2.7741218	21	1 16.7	19.8
183510 2003 FJ_{41}	15.4	X	200.23366	77.03214	133.10047	8.49510	0.0262611	0.19774019	2.9179158	21	12 12.7	19.6
183511 2003 FV_{48}	17.1	X	162.42012	56.34320	29.59902	20.91698	0.0961323	0.38670745	1.8658685	21	5 10.1	19.3
183512 2003 FG_{51}	16.1	X	332.79912	175.45858	79.15738	4.61891	0.0486811	0.22379546	2.6867991	21	4 17.3	19.5
183513 2003 FR_{53}	14.9	X	29.10779	133.59457	81.68355	13.87840	0.1043143	0.16960805	3.2322510	21	5 25.3	19.0
183514 2003 FC_{58}	15.1	X	60.36321	185.50160	14.66380	15.20544	0.1854837	0.17186978	3.2038317	21	7 4.1	19.6
183515 2003 FA_{65}	15.5	X	203.32546	249.23073	78.47492	7.10062	0.0502353	0.21265305	2.7798518	21	2 12.1	19.6
183516 2003 FJ_{78}	14.9	X	45.35261	113.30270	179.49741	10.25772	0.1231968	0.18192193	3.0846982	21	10 1.2	19.0
183517 2003 FP_{80}	15.4	X	273.11115	87.60902	150.37202	14.51210	0.0735300	0.20927507	2.8096855	21	1 7.1	19.6
183518 2003 FA_{81}	15.4	X	213.26480	307.84504	163.39844	17.30339	0.1617959	0.18447249	3.0561991	21	8 12.9	20.5
183519 2003 FS_{88}	15.8	X	294.05840	30.17352	160.01925	6.26131	0.1505460	0.20540483	2.8448691	21	—	—
183520 2003 FR_{90}	15.4	X	155.12838	263.45962	351.66020	12.58381	0.2031954	0.19171032	2.9787843	21	12 9.6	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
183521 2003 FM_{91}	15.3	X	184.82888	140.24855	76.12836	11.12771	0.0875950	0.19222023	2.9735140	21	11 27.1	19.8
183522 2003 FM_{93}	15.3	X	181.07487	355.09150	163.67706	12.50125	0.0797595	0.18354062	3.0665349	21	9 14.3	19.8
183523 2003 FU_{93}	15.4	X	130.88627	140.78299	115.55429	10.91553	0.0726814	0.18869090	3.0104777	21	11 21.5	20.1
183524 2003 FV_{101}	15.6	X	273.98146	51.35839	193.73667	12.54509	0.0920798	0.21065261	2.7974231	21	1 12.7	20.0
183525 2003 FK_{110}	14.7	X	114.59355	36.24631	356.47418	14.23751	0.1138900	0.15632386	3.4128657	21	2 10.3	19.7
183526 2003 FV_{114}	15.0	X	8.94328	116.76699	157.31121	11.25089	0.0618547	0.17553656	3.1590584	21	7 6.2	19.2
183527 2003 FV_{118}	15.6	X	191.72694	247.02279	2.60987	16.69984	0.0507447	0.20137439	2.8827029	21	—	—
183528 2003 FT_{126}	16.1	X	23.43059	276.36876	184.02132	5.29468	0.0785151	0.20983976	2.8046426	21	—	—
183529 2003 FV_{127}	15.0	X	87.54838	179.87275	21.83835	15.52161	0.1377913	0.17485108	3.1673095	21	8 8.7	19.8
183530 2003 FV_{130}	15.4	X	227.39224	7.41430	149.69968	10.74237	0.0489739	0.19004952	2.9961130	21	11 8.7	19.8
183531 2003 FA_{132}	15.7	X	262.01176	239.37861	176.50324	6.39285	0.1212496	0.18184346	3.0855855	21	7 31.2	20.2
183532 2003 GC_{27}	15.3	X	228.19258	290.07601	41.63854	9.88005	0.0880366	0.21952104	2.7215644	21	3 16.3	19.5
183533 2003 GG_{29}	14.6	X	123.33156	85.49008	47.05321	31.60468	0.1737867	0.17182526	3.2043852	21	6 12.8	20.0
183534 2003 GU_{38}	15.6	X	272.39115	241.67977	167.19276	9.81098	0.0721797	0.18047248	3.1011925	21	8 11.4	20.0
183535 2003 GN_{45}	15.2	X	32.83984	136.81419	163.97660	10.92595	0.1100460	0.18131088	3.0916250	21	9 22.1	19.2
183536 2003 GF_{50}	15.5	X	207.74018	94.43862	49.80121	11.38574	0.0728625	0.18536791	3.0463491	21	9 30.1	20.1
183537 2003 GY_{54}	15.5	X	15.55454	177.91335	171.27970	7.17011	0.1622651	0.18665465	3.0323327	21	11 5.5	19.1
183538 2003 GC_{55}	15.7	X	158.95422	127.71608	97.28764	13.41178	0.1442270	0.18942235	3.0027227	21	11 14.0	20.7
183539 2003 HV_{15}	16.5	X	196.35024	311.80640	59.00271	23.03562	0.0839461	0.37854467	1.8925962	21	3 23.5	19.4
183540 2003 HC_{17}	15.1	X	77.00267	122.08713	213.59921	9.86350	0.0929677	0.19156434	2.9802974	21	12 26.9	19.6
183541 2003 HV_{22}	15.6	X	218.25028	172.46823	1.59700	10.41713	0.0746287	0.19306791	2.9648039	21	11 9.3	20.1
183542 2003 HH_{24}	16.3	X	113.00087	223.46413	194.15318	8.54867	0.1438393	0.21486625	2.7607298	21	2 26.5	20.1
183543 2003 HN_{25}	16.3	X	195.92761	54.62633	181.80361	1.76001	0.0506726	0.19611337	2.9340302	21	—	—
183544 2003 HZ_{27}	15.2	X	74.84042	269.75395	22.11674	9.74602	0.0766267	0.18406212	3.0607400	21	10 29.1	19.6
183545 2003 HJ_{35}	16.4	X	79.12697	265.82318	64.18153	5.81791	0.2269589	0.29697235	2.2249762	21	—	—
183546 2003 HD_{38}	15.9	X	143.52588	40.69093	183.50893	1.32610	0.1810835	0.18577076	3.0419435	21	10 27.1	20.9
183547 2003 HR_{38}	15.8	X	157.30518	354.07030	203.91434	5.16319	0.1259959	0.18466404	3.0540852	21	10 6.8	20.6
183548 2003 HU_{42}	17.4	X	273.06025	196.34732	203.09307	10.53112	0.3403813	0.39348922	1.8443676	21	6 22.8	19.9
183549 2003 HU_{49}	15.4	X	102.37328	50.82263	215.40337	9.93536	0.1727458	0.18341071	3.0679828	21	11 8.9	20.3
183550 2003 HU_{57}	15.1	X	316.28889	319.98198	49.36933	12.02054	0.0451401	0.17857077	3.1231713	21	8 31.5	19.5
183551 2003 JU_{4}	15.3	X	52.40197	254.91303	31.54219	6.05461	0.1103392	0.17916545	3.1162566	21	10 1.4	19.5
183552 2003 JY_{5}	15.8	X	195.43823	125.83331	64.57772	7.76966	0.0984124	0.18870994	3.0102752	21	11 6.5	20.4
183553 2003 JP_{10}	15.8	X	201.36036	198.48158	88.60907	7.29471	0.0376479	0.20212326	2.8755782	21	—	—
183554 2003 JP_{11}	15.3	X	233.41356	359.19327	103.23408	15.74872	0.0032546	0.17771712	3.1331645	21	9 17.1	20.0
183555 2003 JN_{13}	14.8	X	61.07912	178.69365	76.16676	19.85019	0.1431662	0.17360086	3.1824980	21	9 16.9	19.6
183556 2003 JQ_{13}	16.0	X	143.62599	77.51106	181.80549	10.30858	0.2010129	0.18796114	3.0182648	21	12 7.5	21.3
183557 2003 KZ_{2}	15.6	X	205.96397	332.27621	162.47425	5.58928	0.0928144	0.18050692	3.1007981	21	9 9.7	20.3
183558 2003 KT_{9}	15.0	X	40.45498	50.89343	185.94503	27.51060	0.1746244	0.16891707	3.2410597	21	7 14.9	19.6
183559 2003 KQ_{12}	15.4	X	275.07504	227.05141	162.74895	9.66682	0.0972113	0.17431312	3.1738227	21	7 17.7	19.9
183560 Křišťan	14.8	X	51.13882	184.34130	112.94647	17.24994	0.2578122	0.17640676	3.1486610	21	11 8.9	19.5
183561 2003 KC_{32}	15.6	X	28.90188	90.80576	174.80520	10.55503	0.1633988	0.17245208	3.1966157	21	8 2.8	19.6
183562 2003 LP_{4}	15.7	X	68.38234	178.39506	58.59289	6.59254	0.1119091	0.17570780	3.1570057	21	8 22.3	20.1
183563 2003 MD_{4}	15.7	X	62.53230	123.46110	137.52152	4.49798	0.2086551	0.17497358	3.1658310	21	9 26.6	20.1
183564 2003 MA_{12}	14.4	X	74.29468	100.10394	220.04871	21.92399	0.2102889	0.18048458	3.1010539	21	12 16.2	19.5
183565 2003 NL_{2}	16.8	X	290.78427	252.52375	75.46093	4.16644	0.2408765	0.26690688	2.3890737	21	4 24.1	20.1
183566 2003 NQ_{2}	14.4	X	99.50192	80.11389	225.31093	20.61417	0.2450151	0.17931029	3.1145782	21	12 23.1	19.9
183567 2003 OZ_{10}	16.7	X	311.64580	285.99312	69.28255	3.97905	0.2179497	0.27202227	2.3590279	21	7 8.3	18.8
183568 2003 OQ_{11}	17.0	X	245.36961	58.97312	200.59182	21.05656	0.0346588	0.35833688	1.9630968	21	—	—
183569 2003 PN_{3}	15.0	X	117.84686	124.54056	152.61730	21.73322	0.3056047	0.17899598	3.1182232	21	12 12.9	20.9
183570 2003 QJ_{3}	17.2	X	310.92922	190.81077	218.64252	1.66491	0.1948795	0.27686060	2.3314635	21	10 9.3	18.9
183571 2003 QK_{22}	16.3	X	132.30335	359.91998	275.93033	6.23711	0.0918318	0.28777984	2.2721089	21	12 30.7	19.6
183572 2003 QV_{31}	17.3	X	112.10198	73.70796	235.54236	1.48825	0.1287487	0.29048338	2.2579892	21	—	—
183573 2003 QH_{46}	17.0	X	344.13140	278.47512	356.29051	1.22269	0.1621518	0.26628063	2.3928180	21	5 14.9	19.2
183574 2003 QJ_{54}	16.9	X	176.08023	217.95615	125.17001	7.03241	0.2296045	0.30351158	2.1929019	21	1 28.8	20.1
183575 2003 QP_{72}	14.6	X	333.61566	168.19784	129.88171	8.77551	0.1024436	0.15596029	3.4181677	21	6 13.6	19.1
183576 2003 RA_{5}	16.2	X	293.47402	0.84746	18.03024	3.43002	0.2268821	0.26699738	2.3885337	21	7 10.9	18.9
183577 2003 SX_{11}	17.1	X	61.05936	335.11054	343.52301	0.97891	0.0913765	0.28201573	2.3029640	21	12 4.7	19.9
183578 2003 SD_{19}	17.7	X	243.27412	145.67096	281.32961	1.36384	0.1999629	0.26718127	2.3874377	21	7 17.4	21.1
183579 2003 SD_{25}	14.1	X	45.17925	202.59913	202.56257	8.41093	0.1575669	0.12501402	3.9612316	21	—	—
183580 2003 SO_{33}	16.7	X	239.93758	230.04810	133.83597	1.93044	0.2028796	0.25911195	2.4367507	21	4 23.1	20.6
183581 2003 SY_{84}	15.2	X	153.39547	99.53030	195.92841	26.68544	0.4124445	0.23752409	2.5822459	21	—	—
183582 2003 SM_{127}	17.0	X	233.97167	17.36918	255.61879	7.27132	0.1291391	0.35754088	1.9660094	21	—	—
183583 2003 SV_{177}	16.8	X	289.70032	102.09509	216.45263	3.73914	0.1733898	0.26194081	2.4191749	21	4 18.4	19.9
183584 2003 SF_{182}	16.4	X	251.64214	272.35832	162.89795	8.32354	0.1447650	0.26585817	2.3953522	21	8 13.6	19.7
183585 2003 SZ_{201}	16.7	X	332.77354	274.69952	73.92864	4.67363	0.1973347	0.27059915	2.3672917	21	8 21.8	18.4
183586 2003 SF_{204}	17.0	X	237.26097	192.24624	181.42596	2.32982	0.2231271	0.25828754	2.4419330	21	5 1.6	21.0
183587 2003 SZ_{246}	17.3	X	179.93875	347.50558	21.09641	3.00262	0.2176656	0.30503144	2.1856115	21	3 5.1	20.7
183588 2003 SY_{257}	17.1	X	244.88586	303.00202	60.10271	3.30287	0.2248339	0.25883817	2.4384686	21	4 24.9	21.1
183589 2003 SO_{284}	16.5	X	164.20157	212.73974	239.62327	5.69882	0.0904582	0.25927773	2.4357118	21	6 2.8	20.0
183590 2003 SH_{294}	16.2	X	0.70256	285.73376	110.26306	4.25926	0.2357328	0.27814166	2.3242991	21	—	—
183591 2003 SZ_{312}	17.0	X	130.31034	120.06264	271.18631	7.65902	0.0428468	0.30133608	2.2034437	21	1 14.2	19.6
183592 2003 SJ_{313}	17.5	X	222.74121	171.76432	167.00821	3.73162	0.2457688	0.30830371	2.1701190	21	3 1.9	21.1
183593 2003 TG_{16}	17.3	X	169.11353	340.30150	47.35195	6.81784	0.2059861	0.30506206	2.1854653	21	3 21.1	20.6
183594 2003 TB_{53}	17.3	X	250.86782	229.39703	72.51745	4.53701	0.1648879	0.30730301	2.1748276	21	2 11.8	20.6
183595 2003 TG_{58}	6.7	X	306.77140	235.78635	276.77955	1.66849	0.1003510	0.00333262	44.3893249	21	12 22.0	22.9
183596 2003 UV	17.1	X	245.40676	138.30323	95.77106	2.43986	0.0360540	0.29343902	2.2428013	21	—	—
183597 2003 UT_{14}	15.7	X	287.13520	233.90417	203.85997	3.42579	0.0392189	0.21695379	2.7429921	21	10 17.5	19.2
183598 2003 UN_{35}	17.0	X	141.36318	331.47107	67.26708	5.35809	0.1206006	0.30297645	2.1954833	21	2 24.3	19.8
183599 2003 UY_{39}	16.1	X	269.86428	198.68529	50.42395	7.35371	0.0579432	0.24128999	2.5553076	21	1 13.9	19.8
183600 2003 UQ_{45}	16.7	X	248.51395	319.18931	127.73683	1.96880	0.1521557	0.26552888	2.3973322	21	8 26.3	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
183601 2003 UX_{57}	16.9	X	198.54739	230.31857	268.29345	6.33134	0.0663188	0.27006629	2.3704045	21	9 11.5	20.3
183602 2003 UQ_{62}	16.6	X	32.09816	325.57764	69.86071	7.34726	0.0991023	0.28550915	2.2841399	21	—	—
183603 2003 UO_{73}	16.8	X	25.04075	63.72493	43.14996	8.50661	0.0564345	0.29171643	2.2516219	21	—	—
183604 2003 UK_{93}	16.3	X	112.30580	294.32794	229.94464	5.72766	0.0542021	0.26126465	2.4233470	21	7 3.2	19.5
183605 2003 UW_{93}	17.1	X	293.07870	14.44814	22.05386	1.42202	0.1081690	0.26953468	2.3735203	21	8 26.9	19.5
183606 2003 UP_{102}	17.8	X	194.71331	23.66822	359.11177	7.03435	0.1373251	0.30816253	2.1707817	21	3 31.6	20.9
183607 2003 UW_{103}	16.5	X	206.99831	269.00040	138.95875	3.94824	0.2015183	0.25567448	2.4585429	21	5 20.4	20.5
183608 2003 UV_{135}	17.0	X	62.44965	24.03656	358.13839	6.36641	0.1918452	0.28626158	2.2801356	21	—	—
183609 2003 UV_{160}	17.5	X	281.78082	114.02768	238.97817	1.84645	0.0992073	0.31693327	2.1305456	21	6 4.6	19.9
183610 2003 UL_{161}	17.2	X	3.30404	19.43111	43.01715	2.95625	0.1859979	0.28248042	2.3004377	21	—	—
183611 2003 UH_{175}	17.5	X	94.21529	87.31588	10.01052	2.78121	0.1011262	0.30199169	2.2002535	21	3 6.9	19.8
183612 2003 UG_{179}	16.8	X	357.04955	346.54648	46.78768	6.41411	0.1159594	0.27813462	2.3243384	21	12 18.6	19.2
183613 2003 UP_{201}	17.0	X	312.04782	243.85600	199.98527	5.91274	0.1311812	0.27658080	2.3330356	21	12 11.1	19.2
183614 2003 UJ_{203}	16.4	X	36.31552	249.08098	26.63506	9.09683	0.0708644	0.26608878	2.3939680	21	8 30.5	19.2
183615 2003 UE_{204}	16.5	X	301.77892	261.01972	61.20940	3.98195	0.0873303	0.25942015	2.4348203	21	5 24.9	19.5
183616 2003 UG_{213}	16.9	X	315.34242	285.50101	84.84043	3.22721	0.2118885	0.26812359	2.3818406	21	8 12.4	18.9
183617 2003 UF_{218}	17.3	X	96.22015	217.73210	182.52505	4.48941	0.1597209	0.29377558	2.2410881	21	—	—
183618 2003 US_{221}	16.9	X	9.12179	191.87960	114.87090	3.28245	0.2304512	0.27047108	2.3680389	21	9 16.8	18.5
183619 2003 UT_{229}	17.7	X	118.05969	20.71578	2.07763	3.64069	0.1164238	0.29497542	2.2350067	21	—	—
183620 2003 UQ_{236}	17.0	X	281.19712	292.58249	134.78009	2.93100	0.2017998	0.26914696	2.3757992	21	9 6.3	19.4
183621 2003 UJ_{242}	17.4	X	59.76581	63.57141	61.90898	5.54826	0.0852140	0.29954197	2.2122333	21	2 18.8	19.5
183622 2003 UO_{245}	17.3	X	85.97768	299.24186	99.86274	2.75304	0.1441903	0.29148391	2.2528191	21	—	—
183623 2003 UE_{260}	17.2	X	354.89363	217.34040	134.01904	3.25455	0.2278677	0.27215827	2.3582420	21	10 27.0	18.7
183624 2003 UG_{260}	15.3	X	22.03674	297.08420	83.38717	14.53829	0.2065078	0.22102610	2.7091955	21	—	—
183625 2003 UZ_{263}	17.0	X	313.35012	104.43400	322.65012	4.16891	0.2079334	0.27466703	2.3438602	21	11 10.9	18.7
183626 2003 UQ_{267}	17.0	X	330.72649	312.57238	46.48271	2.01337	0.2059045	0.26939202	2.3743582	21	9 1.6	18.6
183627 2003 UM_{274}	16.5	X	76.97299	208.86272	250.59605	4.78353	0.1148382	0.24366418	2.5386817	21	2 20.8	19.5
183628 2003 UR_{307}	17.2	X	118.23393	311.40095	118.07259	6.30019	0.0923097	0.30262048	2.1972046	21	3 3.0	19.6
183629 2003 UF_{308}	17.2	X	73.98472	252.63648	50.74228	3.33773	0.2269430	0.28166046	2.3049002	21	12 14.5	20.6
183630 2003 US_{356}	16.7	X	187.77065	66.28155	225.29492	3.34481	0.1723087	0.23941580	2.5686258	21	—	—
183631 2003 UH_{375}	16.8	X	267.84474	210.52368	227.13330	4.97848	0.0601117	0.27418242	2.3466211	21	9 22.2	19.7
183632 2003 UB_{383}	16.6	X	57.68325	247.79069	174.06028	9.35172	0.1096693	0.23691365	2.5866797	21	—	—
183633 2003 US_{402}	17.0	X	121.24959	9.76418	188.72242	1.78745	0.1503190	0.27095085	2.3652427	21	9 10.2	20.5
183634 2003 US_{403}	17.8	X	271.00139	299.64498	129.09178	1.87706	0.1565866	0.27029738	2.3690533	21	8 31.1	20.6
183635 Helmi	16.4	X	68.42540	163.23214	95.70560	3.63896	0.2001387	0.27356023	2.3501780	21	10 10.8	19.6
183636 2003 VV	15.5	X	213.82309	138.57573	314.47676	24.08499	0.1463189	0.26079804	2.4262367	21	7 28.9	19.1
183637 2003 VW_{8}	17.5	X	45.14366	56.33039	42.78025	5.42586	0.0896364	0.29387165	2.2405996	21	—	—
183638 2003 WC_{24}	16.9	X	93.80416	201.73918	224.32944	4.93334	0.1264979	0.29480208	2.2358827	21	1 22.0	19.1
183639 2003 WO_{24}	17.4	X	247.56203	358.09667	344.46692	3.66057	0.2211155	0.30952054	2.1644276	21	3 27.0	20.6
183640 2003 WR_{35}	17.4	X	82.99376	107.23887	354.82064	5.80050	0.1300834	0.29929795	2.2134356	21	2 28.4	19.3
183641 2003 WU_{45}	16.9	X	82.64814	181.18494	321.44920	2.13524	0.1538527	0.30398832	2.1906086	21	5 2.9	19.1
183642 2003 WA_{55}	16.8	X	277.05461	58.17868	3.01427	4.62048	0.1140031	0.26639088	2.3921577	21	9 5.8	19.4
183643 2003 WF_{56}	17.3	X	77.37522	68.43227	17.30681	3.08868	0.1764829	0.29434718	2.2381858	21	1 31.4	18.9
183644 2003 WX_{59}	17.2	X	235.62416	4.32346	111.88578	2.08514	0.1389187	0.26758382	2.3850426	21	9 22.2	20.5
183645 2003 WP_{60}	16.5	X	140.35151	230.39850	258.75404	4.54249	0.0403062	0.31077403	2.1586036	21	6 18.9	18.9
183646 2003 WR_{63}	17.1	X	78.63674	5.55144	55.08600	5.70349	0.1727337	0.29172348	2.2515856	21	—	—
183647 2003 WU_{63}	17.4	X	313.15643	169.63694	255.34550	0.78844	0.1678322	0.27260990	2.3556366	21	11 10.7	19.3
183648 2003 WY_{66}	16.9	X	284.82990	94.72510	67.90371	3.34342	0.1055012	0.28088196	2.3091571	21	—	—
183649 2003 WX_{67}	16.7	X	255.30223	74.30747	260.36560	2.37640	0.2176784	0.25339223	2.4732832	21	3 28.7	20.6
183650 2003 WG_{75}	17.2	X	16.50956	216.22715	359.56689	4.44237	0.0594551	0.30676750	2.1773579	21	4 15.9	19.4
183651 2003 WP_{89}	17.2	X	119.63828	160.27822	255.29091	2.00226	0.1561252	0.29790899	2.2203102	21	2 21.3	19.7
183652 2003 WL_{91}	16.7	X	347.87135	11.30308	87.86175	7.22362	0.0520020	0.28395708	2.2924555	21	—	—
183653 2003 WK_{93}	17.1	X	87.66204	156.72210	266.93161	1.59498	0.1013338	0.29389583	2.2404767	21	1 6.2	18.9
183654 2003 WL_{94}	17.6	X	215.55250	29.44570	355.38421	2.22661	0.0878970	0.30979996	2.1631259	21	4 26.4	20.3
183655 2003 WO_{102}	15.4	X	189.02936	13.28689	335.27716	14.82820	0.1556735	0.24537692	2.5268545	21	2 19.9	19.3
183656 2003 WX_{108}	17.6	X	34.99404	104.84374	334.38841	2.78271	0.1368236	0.28862506	2.2676709	21	—	—
183657 2003 WX_{115}	17.0	X	255.60296	341.95591	349.48571	3.27120	0.0951547	0.30645784	2.1788244	21	3 30.5	19.7
183658 2003 WN_{117}	16.0	X	212.66309	1.48948	324.89993	4.61146	0.1392934	0.24320295	2.5418904	21	2 13.9	20.1
183659 2003 WA_{120}	16.7	X	90.26874	106.51269	270.64219	5.36209	0.1516193	0.28740432	2.2740876	21	—	—
183660 2003 WL_{120}	17.3	X	147.26821	20.41700	23.37928	3.14244	0.1330142	0.29939302	2.2129670	21	3 10.9	20.1
183661 2003 WG_{123}	17.2	X	164.12794	7.13774	14.28057	4.81217	0.1332526	0.29953513	2.2122670	21	2 28.8	20.1
183662 2003 WN_{126}	14.8	X	243.34070	98.29939	83.15804	12.37865	0.3995293	0.21191975	2.7862607	21	11 15.6	19.3
183663 2003 WR_{130}	16.2	X	354.48021	48.41553	84.00781	22.85011	0.1772785	0.28378878	2.2933618	21	—	—
183664 2003 WC_{131}	17.2	X	351.60529	153.41152	40.33043	6.99829	0.1053048	0.29730618	2.2233104	21	1 30.4	19.6
183665 2003 WR_{131}	17.3	X	273.15161	76.66635	23.67977	2.88010	0.1024607	0.27062902	2.3671175	21	10 27.3	19.8
183666 2003 WL_{133}	17.6	X	182.39180	136.91164	232.86009	2.94078	0.1729213	0.30210088	2.1997233	21	3 4.1	21.0
183667 2003 WQ_{133}	17.2	X	29.58995	205.57765	215.90460	2.92127	0.1491104	0.28417005	2.2913100	21	—	—
183668 2003 WM_{134}	16.3	X	157.08176	298.11515	61.62338	4.26009	0.1717496	0.24064830	2.5598481	21	2 6.1	20.2
183669 2003 WX_{135}	17.0	X	320.36846	10.90648	9.77982	1.58046	0.1759281	0.26820559	2.3813551	21	9 14.6	18.6
183670 2003 WG_{138}	16.6	X	43.18115	187.06198	262.18483	6.77703	0.0927494	0.28874614	2.2670369	21	—	—
183671 2003 WO_{145}	17.0	X	182.33390	182.64534	83.61340	4.03433	0.0518645	0.28418234	2.2912439	21	—	—
183672 2003 WN_{150}	17.1	X	50.73053	286.28210	190.08612	6.78320	0.0922713	0.29495386	2.2351156	21	1 16.3	19.2
183673 2003 WO_{192}	16.4	X	329.57115	69.79972	60.77882	6.33795	0.1318010	0.22705912	2.6609910	21	—	—
183674 2003 XG_{3}	16.7	X	200.87656	254.94666	103.82091	5.65914	0.1929381	0.30326960	2.1940682	21	3 11.8	20.2
183675 2003 XU_{14}	15.7	X	333.61287	250.35569	138.71983	22.49410	0.2608040	0.27025757	2.3692859	21	11 13.9	17.9
183676 2003 XB_{17}	16.2	X	44.28859	287.78791	230.06527	7.53127	0.0580652	0.24299864	2.5433150	21	3 15.4	19.4
183677 2003 XJ_{27}	17.3	X	273.73409	337.15462	158.51063	5.13745	0.1264807	0.27505369	2.3416630	21	12 16.1	19.7
183678 2003 XV_{31}	17.8	X	262.99399	299.80762	165.75514	1.48422	0.1419017	0.26960560	2.3731040	21	10 13.3	20.3
183679 2003 XJ_{37}	17.1	X	241.64341	27.04972	15.18309	5.15612	0.2128616	0.25762056	2.4461460	21	6 11.1	21.0
183680 2003 XR_{40}	15.5	X	242.86843	217.04407	75.23261	14.60573	0.1507960	0.24299690	2.5433272	21	2 3.7	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
183681 2003 YO	16.1	X	246.90876	9.30465	127.32585	13.27779	0.2008883	0.26563462	2.3966959	21	10 29.6	19.5
183682 2003 YH_2	16.7	X	229.54181	280.33873	74.76259	5.66498	0.2130227	0.30475930	2.1869125	21	3 31.9	20.2
183683 2003 YW_6	16.8	X	268.99013	180.55189	326.60129	6.42952	0.1595863	0.27280069	2.3545382	21	12 18.7	19.3
183684 2003 YE_9	16.9	X	304.05152	59.70528	73.57426	3.25604	0.1546882	0.27598594	2.3363868	21	—	—
183685 2003 YT_{11}	15.7	X	179.69149	347.66051	31.39882	8.83637	0.1527201	0.24383778	2.5374766	21	3 22.8	19.7
183686 2003 YX_{13}	16.5	X	297.70967	83.31523	65.49625	9.60595	0.1317796	0.27647212	2.3336470	21	—	—
183687 2003 YX_{14}	17.4	X	276.05074	114.54763	12.23948	5.02321	0.1879520	0.27164789	2.3611948	21	11 25.3	19.7
183688 2003 YU_{16}	16.5	X	297.42521	238.89178	289.70265	6.36842	0.1210952	0.27985473	2.3148043	21	—	—
183689 2003 YV_{17}	17.1	X	312.29238	262.81709	127.25604	1.88799	0.1960648	0.26819470	2.3814196	21	9 9.4	19.0
183690 2003 YQ_{22}	16.6	X	307.36702	207.62349	323.59554	4.46358	0.0626818	0.28150529	2.3057471	21	—	—
183691 2003 YZ_{24}	15.7	X	106.41502	287.34687	261.26298	11.99243	0.1885187	0.25464249	2.4651810	21	8 10.5	19.6
183692 2003 YP_{25}	16.7	X	242.03727	9.52044	332.68670	2.64360	0.1305104	0.30301674	2.1952887	21	3 27.2	19.6
183693 2003 YX_{28}	17.3	X	252.87518	329.92135	116.20833	2.18173	0.1476967	0.26464554	2.4026638	21	8 31.8	20.5
183694 2003 YQ_{29}	17.1	X	310.03770	281.41550	174.13047	1.16032	0.1488567	0.27277070	2.3547108	21	12 22.9	18.8
183695 2003 YF_{31}	16.0	X	16.23864	11.82990	51.58589	4.48944	0.0754122	0.22558295	2.6725871	21	—	—
183696 2003 YO_{31}	17.2	X	268.42138	145.04314	19.47203	1.81595	0.1986904	0.27596830	2.3364863	21	—	—
183697 2003 YA_{32}	17.0	X	13.22781	356.63054	97.81248	6.26431	0.1215174	0.28218136	2.3020628	21	—	—
183698 2003 YM_{32}	16.8	X	141.96305	3.46402	87.93986	8.35665	0.1120322	0.30460136	2.1876684	21	5 8.1	19.7
183699 2003 YO_{32}	16.9	X	3.93064	52.77955	81.57451	1.04053	0.1451252	0.28583774	2.2823890	21	—	—
183700 2003 YK_{36}	16.9	X	227.20641	16.04551	2.47062	2.84500	0.2081187	0.30811138	2.1710220	21	4 25.4	20.4
183701 2003 YO_{36}	17.3	X	289.07396	298.22079	63.07022	2.01387	0.1816499	0.31409165	2.1433765	21	6 13.9	19.7
183702 2003 YX_{36}	17.1	X	221.37461	201.37834	20.33662	2.46437	0.1629394	0.27447028	2.3449801	21	—	—
183703 2003 YS_{39}	17.1	X	39.83617	117.77217	68.38313	2.05723	0.0663700	0.24226653	2.5484362	21	4 21.7	20.0
183704 2003 YB_{45}	15.8	X	120.29249	172.53380	80.22291	24.61694	0.1638722	0.27345292	2.3507927	21	11 23.6	19.6
183705 2003 YR_{50}	17.4	X	93.92483	66.88429	344.31468	1.81799	0.1571837	0.29148941	2.2527908	21	1 7.7	19.2
183706 2003 YD_{51}	16.7	X	216.90501	337.17620	86.14031	3.39485	0.1933166	0.25528114	2.4610677	21	6 17.1	20.5
183707 2003 YJ_{51}	16.9	X	336.42536	39.07385	89.61535	3.84526	0.1020864	0.28143426	2.3061351	21	—	—
183708 2003 YF_{52}	16.6	X	77.15413	326.41211	69.14689	7.21854	0.1019129	0.28371079	2.2937820	21	—	—
183709 2003 YN_{56}	16.7	X	129.53469	303.58680	90.58050	1.04912	0.0842863	0.23819022	2.5774293	21	2 7.1	20.0
183710 2003 YR_{57}	17.2	X	184.40243	1.86505	91.00295	3.91041	0.0654286	0.31042761	2.1602093	21	6 25.9	19.7
183711 2003 YG_{58}	16.8	X	235.45686	313.23217	145.73634	2.39006	0.1729588	0.26210162	2.4181853	21	8 23.9	20.4
183712 2003 YY_{61}	16.7	X	146.26233	299.44355	105.64989	4.94001	0.1603581	0.29765569	2.2215696	21	3 16.5	19.8
183713 2003 YD_{64}	16.6	X	175.72942	6.09813	107.84634	3.17654	0.1551363	0.25368163	2.4714018	21	7 15.3	20.3
183714 2003 YO_{70}	16.8	X	116.99020	222.34885	149.53031	3.17379	0.2299435	0.28963505	2.2623961	21	1 2.0	19.1
183715 2003 YG_{71}	16.5	X	123.53192	236.10389	285.84412	5.40570	0.0710930	0.25540113	2.4602969	21	7 17.3	19.7
183716 2003 YA_{73}	17.1	X	23.93286	72.65969	315.93464	1.70576	0.2076434	0.27849557	2.3223296	21	—	—
183717 2003 YH_{74}	16.6	X	84.98432	41.14142	47.02861	3.07158	0.1105909	0.23836517	2.5761680	21	2 22.4	19.7
183718 2003 YJ_{75}	17.0	X	137.49564	24.50901	54.86977	3.35540	0.0979895	0.30141971	2.2030361	21	4 12.3	19.7
183719 2003 YP_{75}	17.0	X	340.96140	81.64419	36.07733	3.55328	0.1120535	0.28154404	2.3055355	21	—	—
183720 2003 YP_{82}	17.2	X	77.72322	357.64519	39.14182	3.21641	0.1583957	0.28611427	2.2809181	21	—	—
183721 2003 YN_{84}	15.9	X	346.91666	18.23994	121.65736	5.57093	0.0770899	0.23095262	2.6309997	21	—	—
183722 2003 YR_{84}	17.3	X	213.61752	103.89118	4.54680	1.98169	0.1373930	0.26125969	2.4233777	21	8 16.8	20.7
183723 2003 YN_{85}	16.5	X	39.18812	144.01283	231.90648	5.84446	0.1145795	0.27798389	2.3251785	21	—	—
183724 2003 YY_{85}	16.8	X	335.26606	235.73864	185.02877	3.55613	0.1962496	0.27427638	2.3460852	21	12 27.2	18.6
183725 2003 YT_{89}	16.5	X	7.82347	37.99519	67.11253	2.81147	0.1737436	0.28219323	2.3019983	21	—	—
183726 2003 YB_{95}	17.4	X	40.70763	281.10302	126.61860	2.30215	0.1415320	0.28328551	2.2960772	21	—	—
183727 2003 YC_{97}	16.7	X	70.21571	141.82701	237.19576	4.90963	0.2509344	0.28536621	2.2849026	21	—	—
183728 2003 YK_{99}	16.4	X	271.62584	251.53861	121.49560	3.41234	0.1988862	0.25735637	2.4478197	21	6 6.9	19.7
183729 2003 YM_{99}	16.8	X	76.38960	9.27702	120.88588	3.68026	0.0573181	0.29734293	2.2231272	21	3 22.4	19.1
183730 2003 YF_{100}	16.9	X	311.48802	20.62188	129.10227	3.41182	0.0988914	0.28016706	2.3130836	21	—	—
183731 2003 YJ_{101}	16.8	X	58.32139	288.01352	187.30412	2.63488	0.0899171	0.29381334	2.2408960	21	1 29.5	18.8
183732 2003 YC_{103}	17.1	X	0.02451	245.32387	201.66807	2.03231	0.1455668	0.27930910	2.3178180	21	—	—
183733 2003 YO_{103}	16.9	X	158.32044	263.80341	98.38480	5.79308	0.1863859	0.29783846	2.2206607	21	2 2.6	20.0
183734 2003 YT_{106}	16.9	X	342.02354	69.48082	5.26725	3.10117	0.1516665	0.27631884	2.3345099	21	—	—
183735 2003 YY_{109}	16.6	X	263.09083	113.72200	333.32677	4.72785	0.2089026	0.26635036	2.3924003	21	9 4.9	19.4
183736 2003 YT_{112}	17.2	X	22.42191	31.52600	357.17689	3.29383	0.1494929	0.27785078	2.3259211	21	—	—
183737 2003 YD_{113}	16.9	X	334.80236	131.11714	16.36087	5.08303	0.1005918	0.28294559	2.2979157	21	—	—
183738 2003 YH_{113}	16.5	X	260.78352	107.13645	53.38985	6.48670	0.1681383	0.27191295	2.3596601	21	12 21.9	19.1
183739 2003 YF_{117}	17.2	X	319.13794	296.86024	94.17579	5.88108	0.1936125	0.26627592	2.3928462	21	9 30.7	19.1
183740 2003 YL_{119}	16.7	X	353.91197	52.05815	41.55008	7.70958	0.0802196	0.27904117	2.3193014	21	—	—
183741 2003 YW_{119}	17.1	X	321.07464	63.02825	73.37914	3.43498	0.1541852	0.27791863	2.3255425	21	—	—
183742 2003 YD_{120}	16.9	X	256.12852	11.33898	326.28092	4.43051	0.0850062	0.30307716	2.1949969	21	4 8.7	19.7
183743 2003 YJ_{120}	15.8	X	6.20143	124.70847	244.51375	2.10472	0.0875714	0.21313704	2.7756419	21	11 11.5	19.3
183744 2003 YP_{134}	16.7	X	245.42665	230.28245	343.04796	10.12304	0.1503497	0.27680000	2.3318037	21	—	—
183745 2003 YT_{134}	16.7	X	39.46549	81.29990	343.15231	10.78790	0.1503457	0.28220416	2.3019388	21	—	—
183746 2003 YB_{138}	16.9	X	213.22878	147.03465	30.67157	2.80940	0.1325807	0.26626083	2.3929366	21	11 15.4	20.1
183747 2003 YK_{144}	17.1	X	248.79151	74.41510	112.01049	3.94751	0.1154115	0.27528442	2.3403544	21	—	—
183748 2003 YX_{152}	16.2	X	64.51154	81.88967	26.30677	12.06528	0.2009507	0.23384686	2.6092459	21	3 6.1	19.0
183749 2003 YM_{157}	17.2	X	217.75922	76.75695	359.48950	2.16451	0.1472535	0.25546455	2.4598896	21	7 8.1	20.8
183750 2003 YD_{164}	16.8	X	143.69207	38.37963	273.07608	5.39392	0.1450096	0.28562186	2.2835389	21	—	—
183751 2003 YR_{169}	15.4	X	63.85103	251.63812	83.21363	16.53163	0.0913987	0.21640714	2.7476094	21	12 16.4	19.2
183752 2003 YB_{176}	17.1	X	28.94201	58.61915	23.13018	6.41409	0.1211834	0.28395135	2.2924864	21	—	—
183753 2004 AO_1	16.7	X	222.98198	92.34733	56.20715	1.90977	0.1331940	0.26399499	2.4066093	21	10 20.1	20.0
183754 2004 AQ_1	16.3	X	254.21899	118.61703	24.07864	4.93681	0.0937203	0.26859762	2.3790374	21	11 27.3	19.1
183755 2004 AR_3	16.4	X	279.18646	227.14087	317.88496	7.27777	0.0757418	0.27957116	2.3163693	21	—	—
183756 2004 AK_5	16.8	X	317.34195	2.32469	94.93704	2.97197	0.2166940	0.27273587	2.3549113	21	—	—
183757 2004 AC_6	16.0	X	243.18593	237.48388	325.61797	7.57266	0.1634623	0.27329806	2.3516806	21	—	—
183758 2004 AQ_8	16.0	X	188.54290	195.71327	186.59249	13.77795	0.2936325	0.24423969	2.5346922	21	4 4.9	20.7
183759 2004 AY_9	17.5	X	328.77687	112.09134	340.15816	3.05208	0.1579651	0.27449607	2.3448333	21	—	—
183760 2004 AD_{10}	16.8	X	261.36494	296.67744	109.18801	3.54982	0.1802036	0.25836765	2.4414282	21	7 11.8	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
183761 2004 AZ_{13}	16.8	X	131.30037	4.95346	112.21659	6.68640	0.0279049	0.24683821	2.5168720	21	5 23.0	20.2
183762 2004 AG_{18}	16.9	X	327.24351	102.94891	139.43322	5.26695	0.1287685	0.29485169	2.2356319	21	2 26.4	19.1
183763 2004 AL_{25}	16.0	X	352.92254	222.05209	259.08325	13.38696	0.0886211	0.22861684	2.6488899	21	—	—
183764 2004 BQ_{1}	16.8	X	318.27848	173.64435	282.19505	4.10944	0.1361849	0.27292642	2.3538150	21	—	—
183765 2004 BJ_{3}	17.0	X	350.07008	4.14977	144.30457	2.14410	0.1262376	0.28376426	2.2934939	21	—	—
183766 2004 BR_{3}	17.3	X	66.98556	18.65830	27.88885	3.05258	0.1632742	0.28350829	2.2948742	21	—	—
183767 2004 BD_{4}	17.3	X	229.29362	155.05722	277.58950	1.22246	0.1983299	0.25586990	2.4572909	21	7 10.7	21.1
183768 2004 BW_{4}	17.3	X	281.42569	71.98293	9.68626	2.20860	0.1758252	0.26479216	2.4017768	21	10 1.2	19.9
183769 2004 BF_{5}	15.6	X	239.50666	240.84856	324.45762	8.59493	0.0661451	0.21799509	2.7342501	21	—	—
183770 2004 BR_{9}	16.4	X	269.40609	145.29994	320.81650	5.54995	0.0928071	0.26525026	2.3990106	21	10 27.7	19.3
183771 2004 BJ_{12}	17.1	X	53.41913	315.73674	96.20690	3.19996	0.2316488	0.28280709	2.2986659	21	—	—
183772 2004 BC_{14}	17.2	X	275.45408	49.03458	34.54493	2.14785	0.1579873	0.26394849	2.4068919	21	9 27.7	19.8
183773 2004 BJ_{18}	16.6	X	83.56730	65.19583	61.94639	3.23500	0.2624920	0.23660637	2.5889188	21	5 8.3	19.7
183774 2004 BX_{18}	16.0	X	4.87546	297.23246	162.02591	13.39837	0.2321156	0.22348808	2.6892621	21	—	—
183775 2004 BE_{19}	16.6	X	171.11983	330.57295	67.67163	6.41581	0.1474158	0.29791162	2.2202971	21	4 2.6	19.8
183776 2004 BH_{19}	16.5	X	279.80364	109.21741	53.64385	5.45724	0.0881478	0.27505814	2.3416378	21	—	—
183777 2004 BJ_{19}	16.8	X	182.46973	341.51807	43.24323	3.66331	0.1709279	0.29846757	2.2175391	21	3 26.6	20.2
183778 2004 BO_{19}	16.4	X	343.84747	61.18303	17.21939	6.18974	0.0928602	0.27314293	2.3525710	21	—	—
183779 2004 BO_{20}	17.0	X	248.07620	333.13798	51.26051	3.88402	0.1946088	0.30998238	2.1622772	21	5 24.9	20.2
183780 2004 BA_{22}	15.0	X	164.62836	8.25578	26.58105	35.44275	0.2531546	0.23875491	2.5733637	21	4 8.0	19.5
183781 2004 BH_{22}	17.2	X	203.67826	9.03659	153.97451	1.30782	0.1350401	0.26287680	2.4134291	21	10 17.1	20.6
183782 2004 BG_{23}	17.0	X	336.87240	328.56946	150.48903	5.09721	0.1149804	0.27867638	2.3213250	21	—	—
183783 2004 BE_{27}	17.0	X	330.89567	212.82849	253.53272	1.10248	0.1932889	0.27542870	2.3395370	21	—	—
183784 2004 BA_{29}	16.8	X	310.50577	301.15657	101.83066	4.27984	0.1886429	0.26379274	2.4078393	21	9 28.9	18.8
183785 2004 BG_{29}	17.0	X	236.63294	215.26510	349.04544	5.09282	0.1533746	0.27190106	2.3597289	21	—	—
183786 2004 BJ_{30}	17.4	X	231.51686	156.50801	3.21205	2.16406	0.1522044	0.26554247	2.3972503	21	11 10.5	20.7
183787 2004 BP_{30}	17.1	X	165.14008	89.19694	337.52884	4.38915	0.1954387	0.24424939	2.5346250	21	5 5.4	21.4
183788 2004 BJ_{32}	17.0	X	278.88391	224.55529	91.74170	4.28034	0.1428130	0.30043472	2.2078487	21	4 4.9	19.9
183789 2004 BT_{33}	16.8	X	156.94481	180.40274	102.90565	4.99354	0.1613139	0.27401837	2.3475576	21	—	—
183790 2004 BJ_{34}	17.0	X	266.32968	204.40526	329.78085	2.42036	0.0805980	0.27507525	2.3415407	21	—	—
183791 2004 BU_{37}	16.7	X	249.40245	42.11930	94.90810	3.34685	0.1536691	0.26565024	2.3966019	21	11 4.8	19.5
183792 2004 BY_{37}	15.8	X	149.49474	263.59370	133.25753	22.55027	0.0577949	0.23457015	2.6038795	21	3 7.2	19.7
183793 2004 BZ_{37}	17.0	X	214.54956	81.45085	52.92411	2.05095	0.1346518	0.25935044	2.4352566	21	9 21.7	20.6
183794 2004 BB_{38}	17.1	X	283.62386	122.86438	23.48528	2.42250	0.1455824	0.27181793	2.3602100	21	—	—
183795 2004 BG_{38}	16.7	X	255.49657	21.57514	66.35139	2.96652	0.1663333	0.25968393	2.4331712	21	9 4.4	19.8
183796 2004 BP_{38}	17.5	X	220.94625	147.56358	19.24557	1.84320	0.1202479	0.26744294	2.3858802	21	11 11.9	20.8
183797 2004 BY_{38}	15.9	X	63.31200	279.39697	100.38665	6.67451	0.1064349	0.22237783	2.6982057	21	—	—
183798 2004 BH_{40}	16.9	X	294.87454	128.83835	297.53449	2.36732	0.1548776	0.26460020	2.4029382	21	10 4.2	19.2
183799 2004 BJ_{40}	16.9	X	12.09812	336.10813	151.94738	3.16926	0.1030941	0.28434134	2.2903897	21	—	—
183800 2004 BM_{40}	16.4	X	6.82716	15.96282	125.09344	6.90050	0.0521965	0.28518264	2.2858830	21	—	—
183801 2004 BS_{40}	17.3	X	321.85989	166.77518	281.52858	1.26149	0.1838949	0.27203935	2.3589292	21	—	—
183802 2004 BD_{41}	17.4	X	263.02968	291.89856	167.00659	1.10212	0.1385859	0.26467575	2.4024809	21	10 3.6	20.0
183803 2004 BX_{42}	16.7	X	228.56085	335.19795	197.29302	5.00938	0.1697875	0.26647847	2.3916335	21	11 22.8	19.8
183804 2004 BO_{43}	16.9	X	304.54686	4.15091	82.35770	2.24721	0.1566260	0.26783406	2.3835568	21	11 25.6	18.8
183805 2004 BR_{44}	16.9	X	99.57189	305.27494	117.35485	7.39272	0.0967764	0.28799299	2.2709876	21	1 25.9	19.4
183806 2004 BT_{48}	16.5	X	219.37252	251.24974	293.20827	4.54846	0.1099074	0.26894382	2.3769954	21	12 4.8	19.6
183807 2004 BE_{49}	16.5	X	22.89925	163.61118	27.14888	0.69458	0.0926868	0.23910397	2.5708586	21	3 31.8	19.2
183808 2004 BC_{52}	17.0	X	19.97488	336.57131	131.87161	6.54537	0.1419244	0.28299005	2.2976750	21	—	—
183809 2004 BH_{53}	17.5	X	218.54321	288.39060	205.94031	1.26894	0.1739781	0.26195527	2.4190859	21	9 20.9	21.2
183810 2004 BQ_{60}	16.4	X	241.52884	217.82017	122.57245	15.99845	0.1309621	0.24362321	2.5389663	21	4 7.2	20.6
183811 2004 BJ_{62}	16.6	X	188.67648	164.17499	100.26449	7.35690	0.0891267	0.27748012	2.3279919	21	—	—
183812 2004 BK_{63}	17.1	X	171.58051	219.93961	326.72476	3.33559	0.1636445	0.26096860	2.4251795	21	10 11.6	21.1
183813 2004 BO_{63}	17.2	X	249.43586	131.76694	26.85270	1.73749	0.1276909	0.27003525	2.3705861	21	12 7.9	20.0
183814 2004 BR_{64}	16.5	X	77.25975	51.67230	85.60636	2.53882	0.0626987	0.24026704	2.5625553	21	4 11.4	19.6
183815 2004 BH_{70}	16.8	X	359.41024	300.11942	104.84225	5.61556	0.1383701	0.27216524	2.3582017	21	—	—
183816 2004 BT_{70}	16.9	X	302.71470	150.86219	346.81145	2.33825	0.1062721	0.27455671	2.3444880	21	—	—
183817 2004 BG_{71}	16.4	X	49.45461	48.07725	350.68194	8.55779	0.1329487	0.27879418	2.3206710	21	—	—
183818 2004 BN_{76}	16.0	X	349.12662	279.16618	314.94332	14.56582	0.0545003	0.23918949	2.5702458	21	3 31.0	19.5
183819 2004 BF_{77}	17.2	X	329.28697	292.48481	53.81022	2.15834	0.1848450	0.31517271	2.1384724	21	8 12.8	18.4
183820 2004 BH_{77}	17.4	X	357.88766	85.25929	329.31042	2.20389	0.1659348	0.27406030	2.3473182	21	—	—
183821 2004 BV_{77}	17.0	X	69.21546	15.25096	359.13814	2.75674	0.1709345	0.27853869	2.3220899	21	—	—
183822 2004 BE_{79}	16.4	X	177.50332	235.63769	3.80127	3.54508	0.0437364	0.21398528	2.7683019	21	12 22.8	20.3
183823 2004 BV_{81}	16.2	X	217.08724	310.81388	351.09965	6.35530	0.1992561	0.28764320	2.2728284	21	1 15.0	20.0
183824 2004 BC_{83}	17.0	X	130.56121	222.62335	49.58840	2.80104	0.1760091	0.26674812	2.3900215	21	12 21.1	20.9
183825 2004 BZ_{87}	16.8	X	145.34561	270.00860	170.17099	6.13614	0.1652884	0.24385239	2.5373753	21	5 5.2	20.8
183826 2004 BF_{92}	16.3	X	6.58732	123.44493	306.12826	5.62345	0.0851475	0.27445852	2.3450471	21	—	—
183827 2004 BO_{94}	14.7	X	299.52473	226.98527	294.16324	32.83188	0.2164517	0.21881192	2.7274412	21	—	—
183828 2004 BV_{95}	16.5	X	242.21213	340.21137	35.25304	1.39945	0.2142381	0.30632553	2.1794517	21	5 5.6	19.9
183829 2004 BD_{96}	17.8	X	262.41501	219.05547	280.01572	1.47662	0.1509799	0.26898839	2.3767328	21	11 26.3	20.3
183830 2004 BS_{96}	17.0	X	307.87260	217.34681	218.41297	0.70276	0.1629754	0.26779863	2.3837671	21	11 15.3	18.8
183831 2004 BE_{97}	17.0	X	293.63682	333.77233	144.24804	3.72906	0.0747167	0.26958237	2.3732404	21	12 27.8	19.5
183832 2004 BZ_{98}	16.0	X	282.32770	355.40810	357.55253	15.31594	0.1119157	0.24445780	2.5331843	21	6 2.7	19.7
183833 2004 BD_{103}	16.8	X	117.35374	327.96876	150.09023	4.51056	0.1985533	0.24267265	2.5455922	21	5 28.1	20.5
183834 2004 BM_{104}	16.7	X	137.02790	283.94047	163.90477	5.50066	0.1528402	0.24356293	2.5393853	21	5 5.3	20.5
183835 2004 BG_{105}	16.5	X	235.18105	197.00630	302.05433	5.54081	0.0596779	0.26408697	2.4060504	21	10 29.9	19.7
183836 2004 BH_{105}	17.0	X	230.91748	6.35723	121.59378	2.32132	0.1401212	0.26168334	2.4207615	21	10 1.6	20.4
183837 2004 BU_{108}	17.0	X	243.72068	131.46234	358.38183	9.61483	0.1959765	0.26392138	2.4070568	21	10 8.9	20.3
183838 2004 BD_{109}	16.7	X	222.60273	219.61836	353.41956	2.64370	0.1647139	0.27146430	2.3622593	21	—	—
183839 2004 BQ_{109}	17.5	X	244.27191	136.10616	39.71725	1.94432	0.1246047	0.27046885	2.3680519	21	12 24.8	20.1
183840 2004 BP_{110}	16.4	X	302.25541	97.76742	54.82753	7.87705	0.0563580	0.27505482	2.3416566	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
183841 2004 BR_{110}	16.6	X	265.05474	72.47508	54.81981	5.47683	0.1800973	0.26663172	2.3907170	21	11 9.2	19.3
183842 2004 BS_{110}	16.3	X	280.01048	45.29830	71.21473	7.45640	0.0420424	0.26661081	2.3908420	21	12 6.8	19.0
183843 2004 BW_{112}	17.4	X	210.47404	300.30751	279.85829	3.77405	0.1909006	0.27181873	2.3602054	21	12 30.9	20.8
183844 2004 BD_{113}	16.0	X	337.77954	268.57381	136.38906	5.47652	0.0618126	0.20978717	2.8051113	21	11 15.4	19.5
183845 2004 BQ_{114}	16.5	X	338.09305	287.18916	216.23964	7.09846	0.1049105	0.27894548	2.3198318	21	—	—
183846 2004 BZ_{122}	17.1	X	153.72440	330.79506	322.94193	0.51444	0.1849436	0.26804386	2.3823129	21	—	—
183847 2004 BF_{124}	17.0	X	279.08956	222.26687	249.81062	4.05144	0.1225774	0.26867595	2.3785750	21	11 19.5	19.5
183848 2004 BN_{130}	16.1	X	286.70376	101.06747	243.58748	1.44167	0.1010170	0.19425882	2.9526744	21	6 4.6	20.2
183849 2004 BO_{134}	16.4	X	271.44953	265.23332	207.26298	8.40847	0.1699510	0.26685132	2.3894053	21	10 31.3	19.0
183850 2004 BA_{147}	16.4	X	24.26113	281.48444	144.31786	2.59420	0.0575994	0.22042523	2.7141167	21	—	—
183851 2004 BA_{163}	16.7	X	279.08486	353.36948	25.48944	8.34444	0.2167645	0.26009121	2.4306304	21	6 20.8	20.0
183852 2004 BB_{163}	15.8	X	343.76347	11.05409	56.40994	18.16180	0.0839697	0.21300152	2.7768190	21	12 21.5	19.4
183853 2004 CC_{2}	16.3	X	253.85816	327.85368	219.49953	4.44871	0.1737598	0.27109461	2.3644064	21	—	—
183854 2004 CG_{2}	16.4	X	235.36737	72.61812	120.03154	3.86595	0.1355980	0.26987980	2.3714964	21	—	—
183855 2004 CN_{3}	15.8	X	263.91934	186.86260	66.22447	13.99978	0.0430137	0.22959340	2.6413733	21	1 15.9	19.7
183856 2004 CS_{5}	16.9	X	338.48368	12.81804	131.45707	6.07830	0.0592033	0.28025403	2.3126051	21	—	—
183857 2004 CG_{6}	16.6	X	285.66939	88.20471	103.31917	7.06060	0.0633320	0.27821094	2.3239133	21	—	—
183858 2004 CR_{7}	17.0	X	257.86732	90.27034	118.79878	3.87463	0.0922015	0.27600734	2.3362660	21	—	—
183859 2004 CM_{10}	17.2	X	6.92481	318.25377	116.18009	2.87047	0.1939774	0.27719277	2.3296005	21	—	—
183860 2004 CW_{12}	17.0	X	78.27361	259.78789	171.00616	3.75308	0.1553180	0.28625739	2.2801579	21	1 7.8	18.8
183861 2004 CG_{13}	17.1	X	292.78757	249.77191	171.41875	1.31146	0.1720004	0.26221658	2.4174785	21	9 20.9	19.6
183862 2004 CB_{14}	16.6	X	224.47576	126.86758	109.71927	3.50652	0.1344313	0.27361211	2.3498808	21	—	—
183863 2004 CE_{14}	16.5	X	256.99638	337.77109	141.89862	7.92437	0.1118756	0.26374871	2.4081072	21	10 31.2	19.5
183864 2004 CN_{15}	16.7	X	118.72949	130.77774	140.61036	2.41752	0.1692532	0.26249938	2.4157419	21	12 9.3	20.6
183865 2004 CN_{16}	16.7	X	298.35424	350.29035	125.47639	2.14008	0.1335063	0.27014335	2.3699537	21	12 29.6	18.9
183866 2004 CP_{17}	17.1	X	265.58759	272.34628	252.89145	1.33300	0.1525160	0.27113301	2.3641832	21	—	—
183867 2004 CP_{21}	16.7	X	354.55080	73.10962	308.05826	1.18690	0.2271490	0.26727466	2.3868815	21	12 9.6	18.6
183868 2004 CL_{35}	16.0	X	23.03719	335.50153	348.16559	6.14892	0.1162395	0.25644918	2.4535891	21	10 16.1	18.7
183869 2004 CP_{35}	16.2	X	207.62841	147.34103	47.15142	3.14200	0.1153192	0.26493978	2.4008845	21	12 2.6	19.3
183870 2004 CQ_{36}	16.7	X	255.71535	61.93703	39.12502	2.03793	0.1383161	0.26153721	2.4216631	21	9 26.4	19.6
183871 2004 CO_{40}	16.9	X	266.34737	325.57450	142.18104	5.24498	0.1734095	0.26421288	2.4052860	21	10 17.3	19.7
183872 2004 CT_{40}	17.1	X	202.51794	263.66409	211.02343	1.47128	0.1245192	0.25422806	2.4678593	21	8 12.6	20.9
183873 2004 CN_{42}	16.7	X	110.90465	281.12581	350.26952	5.30945	0.1205769	0.26072303	2.4267020	21	11 28.0	20.4
183874 2004 CR_{43}	16.7	X	190.69449	108.90126	152.70811	4.64324	0.1326057	0.27108412	2.3644674	21	—	—
183875 2004 CK_{50}	15.7	X	21.65757	106.51205	353.74867	22.99263	0.2986081	0.22478768	2.6788869	21	—	—
183876 2004 CU_{50}	16.0	X	99.79459	73.99392	45.40313	4.97781	0.1870712	0.24139807	2.5545448	21	5 6.8	19.2
183877 2004 CH_{51}	15.3	X	247.90809	308.73677	117.85301	10.90351	0.1040304	0.19685594	2.9266472	21	8 1.7	19.6
183878 2004 CS_{53}	16.7	X	173.85899	211.18898	50.44293	0.90481	0.1905586	0.26778497	2.3838481	21	—	—
183879 2004 CM_{54}	16.7	X	307.08781	177.77070	273.28293	1.52838	0.1502734	0.26783261	2.3835654	21	12 8.0	18.7
183880 2004 CC_{57}	15.3	X	268.90438	235.22865	61.93079	10.54800	0.0400367	0.18033508	3.1027675	21	3 29.2	19.8
183881 2004 CV_{57}	17.4	X	226.50239	125.58308	11.39933	5.30255	0.1661383	0.26297731	2.4128141	21	10 4.3	20.6
183882 2004 CV_{59}	16.5	X	291.28840	55.05077	32.48567	6.98625	0.1071077	0.26547291	2.3976691	21	11 5.6	18.9
183883 2004 CK_{62}	16.7	X	215.96005	148.48291	41.51407	7.41990	0.0722362	0.26658281	2.3910094	21	12 12.3	19.8
183884 2004 CW_{66}	16.2	X	165.55217	205.18679	46.69783	7.76706	0.1369476	0.26659601	2.3909305	21	12 29.2	19.9
183885 2004 CW_{69}	16.6	X	13.38121	76.15573	20.76673	7.40211	0.0710183	0.27842220	2.3227376	21	—	—
183886 2004 CX_{69}	17.1	X	267.58834	116.76034	40.72818	4.62623	0.1694912	0.26984343	2.3717094	21	12 28.9	19.5
183887 2004 CQ_{71}	15.9	X	179.75066	203.07313	124.24354	11.93233	0.1365876	0.28242929	2.3007154	21	1 7.9	19.1
183888 2004 CW_{71}	16.3	X	190.67403	209.79254	34.94726	6.45933	0.1168361	0.26892126	2.3771283	21	—	—
183889 2004 CY_{72}	16.3	X	192.16173	268.00319	357.46105	5.47539	0.0735619	0.27480323	2.3430856	21	—	—
183890 2004 CT_{74}	17.0	X	285.21953	168.85928	344.78325	2.03129	0.0343230	0.27207835	2.3587037	21	—	—
183891 2004 CG_{76}	16.7	X	216.47892	21.15711	214.82345	2.09289	0.1070191	0.27334335	2.3514209	21	—	—
183892 2004 CO_{76}	16.7	X	203.90300	256.53358	293.64809	4.20477	0.1390732	0.26511859	2.3998049	21	11 19.6	20.2
183893 2004 CP_{76}	16.9	X	320.70332	148.35122	311.53112	6.40181	0.0706421	0.27132037	2.3630947	21	—	—
183894 2004 CV_{76}	17.2	X	169.99860	284.06150	156.95779	5.61883	0.1659449	0.24585126	2.5236033	21	5 29.6	21.3
183895 2004 CZ_{77}	16.7	X	183.53744	119.19093	118.89013	3.12307	0.1501075	0.26729081	2.3867853	21	12 28.9	20.3
183896 2004 CD_{79}	16.6	X	228.92585	194.88406	70.15594	1.94553	0.1850634	0.27741612	2.3283499	21	—	—
183897 2004 CS_{79}	16.2	X	150.63432	124.39262	133.82943	8.07016	0.0877582	0.26526015	2.3989510	21	12 24.1	19.7
183898 2004 CU_{81}	16.9	X	85.21775	344.85503	127.41129	3.46676	0.1440349	0.23619515	2.5919228	21	4 2.2	20.0
183899 2004 CW_{81}	17.3	X	279.17122	287.06154	151.43918	1.57228	0.1515331	0.26239214	2.4164001	21	9 27.0	19.9
183900 2004 CU_{82}	17.0	X	136.52096	248.69012	31.44125	1.45662	0.0246191	0.26903410	2.3764636	21	—	—
183901 2004 CP_{83}	17.4	X	247.46033	178.66360	280.51096	0.60907	0.0921455	0.25911947	2.4367035	21	9 18.5	20.5
183902 2004 CW_{89}	15.7	X	155.26584	353.12123	149.10138	1.49023	0.0940573	0.19259671	2.9696378	21	7 28.3	20.2
183903 2004 CX_{89}	16.7	X	5.29868	266.45286	153.55539	7.59401	0.1691835	0.27279460	2.3545732	21	—	—
183904 2004 CP_{90}	16.7	X	347.15981	206.02526	219.41820	6.38774	0.0833043	0.26984372	2.3717078	21	—	—
183905 2004 CC_{91}	17.0	X	234.27641	15.86408	169.81861	7.41792	0.0545781	0.26916068	2.3757184	21	—	—
183906 2004 CP_{91}	17.0	X	293.89470	305.55434	209.21757	3.34952	0.1056593	0.27493070	2.3423614	21	—	—
183907 2004 CO_{93}	16.6	X	203.82936	319.78376	219.43420	5.75029	0.0693640	0.26424387	2.4050980	21	11 14.2	19.7
183908 2004 CN_{94}	17.2	X	276.29808	169.82398	267.67098	1.30116	0.1399099	0.26069971	2.4268467	21	9 21.4	20.1
183909 2004 CW_{96}	16.8	X	230.94310	302.13433	201.43203	6.58546	0.0815239	0.26211609	2.4180963	21	10 30.1	19.9
183910 2004 CY_{99}	16.2	X	315.03467	62.00918	52.26053	3.79341	0.1851899	0.27144476	2.3623726	21	—	—
183911 2004 CB_{100}	16.2	X	120.17046	220.59870	83.31733	4.38103	0.1326796	0.26665011	2.3906071	21	—	—
183912 2004 CS_{100}	16.6	X	235.59071	101.71526	48.84210	3.19262	0.1410353	0.26335547	2.4105038	21	11 5.4	19.6
183913 2004 CT_{100}	16.1	X	224.05642	103.70575	125.68403	5.53169	0.1130721	0.27126470	2.3634179	21	—	—
183914 2004 CC_{101}	15.9	X	11.74033	336.42576	166.12795	15.98615	0.1180642	0.22520729	2.6755583	21	1 6.1	19.3
183915 2004 CO_{103}	16.3	X	142.20974	294.33795	280.77541	5.97774	0.0990529	0.25732124	2.4480425	21	10 17.3	20.0
183916 2004 CP_{103}	16.6	X	13.10663	227.35124	192.68978	7.27804	0.1092571	0.27257538	2.3558355	21	—	—
183917 2004 CF_{105}	16.9	X	192.65343	5.63124	179.79699	1.68353	0.1195534	0.26028111	2.4294481	21	11 4.1	20.3
183918 2004 CO_{107}	16.1	X	164.05750	44.47177	334.65446	12.56191	0.2290171	0.23503993	2.6004087	21	3 9.2	20.4
183919 2004 CX_{107}	17.1	X	85.45418	301.92287	164.35777	2.05652	0.1378350	0.23478501	2.6022907	21	3 23.3	20.2
183920 2004 CM_{109}	15.6	X	341.04169	96.37135	74.18289	14.98222	0.0367530	0.22884375	2.6471386	21	1 7.6	19.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
183921 2004 CA_{110}	15.1	X	350.50786	353.44873	244.11637	10.59657	0.0184725	0.18132326	3.0914843	21	4 22.6	19.5
183922 2004 CQ_{112}	16.5	X	272.63436	74.93619	96.63283	7.72245	0.0559459	0.27540783	2.3396552	21	—	—
183923 2004 CS_{118}	17.4	X	342.46892	287.39877	169.06939	3.00900	0.1952213	0.27478128	2.3432104	21	—	—
183924 2004 CM_{122}	17.1	X	212.20272	223.80122	146.25834	11.70478	0.1840630	0.24073474	2.5592352	21	4 11.5	21.4
183925 2004 CG_{123}	17.0	X	75.43808	167.68217	153.43408	2.30798	0.1785191	0.26538810	2.3981799	21	12 30.8	20.7
183926 2004 CJ_{127}	16.6	X	249.84228	162.56294	118.83929	6.59646	0.1624446	0.28523936	2.2855800	21	1 17.6	19.9
183927 2004 DP	16.8	X	204.53601	54.93464	69.71452	3.24664	0.1572417	0.25598656	2.4565443	21	8 27.9	20.5
183928 2004 DY_{1}	16.4	X	284.66737	330.44975	133.62474	3.96566	0.1801301	0.20967291	2.8061303	21	10 29.8	19.8
183929 2004 DL_{2}	16.7	X	148.34268	198.72276	35.01847	4.42442	0.1086928	0.26292645	2.4131252	21	11 19.3	20.3
183930 2004 DQ_{4}	16.8	X	277.26238	341.62542	89.34232	2.60775	0.0810251	0.25958739	2.4337744	21	9 25.4	19.6
183931 2004 DR_{6}	17.6	X	190.60554	112.51762	22.15016	1.55041	0.1241895	0.25401162	2.4692610	21	8 27.6	21.2
183932 2004 DT_{6}	17.1	X	268.19269	56.98390	64.57220	1.49244	0.1638950	0.26546971	2.3976883	21	11 8.3	19.7
183933 2004 DF_{9}	16.6	X	299.97214	97.18271	34.49178	2.73461	0.0886948	0.27123425	2.3635948	21	—	—
183934 2004 DK_{11}	16.8	X	210.91664	44.29007	158.11596	5.40927	0.1527137	0.26568400	2.3963989	21	12 12.9	20.1
183935 2004 DW_{19}	16.6	X	125.38781	179.74974	74.04448	1.81581	0.1413784	0.26046275	2.4283184	21	11 22.6	20.1
183936 2004 DA_{22}	16.9	X	51.35120	42.56039	113.33356	6.16276	0.2362436	0.23432378	2.6057044	21	4 21.9	19.3
183937 2004 DG_{22}	16.3	X	110.63499	70.10788	77.73597	4.42420	0.1287973	0.24216239	2.5491668	21	6 19.4	19.8
183938 2004 DO_{25}	17.8	X	251.93680	160.72157	343.66983	2.21243	0.1500531	0.26689684	2.3891335	21	11 17.2	20.6
183939 2004 DO_{27}	16.6	X	50.65859	0.04294	148.33292	4.91532	0.1989268	0.23310748	2.6147604	21	4 2.1	19.0
183940 2004 DB_{29}	17.3	X	245.86218	98.49448	19.24385	3.15006	0.1836194	0.26170053	2.4206555	21	9 29.3	20.5
183941 2004 DX_{29}	16.9	X	22.71569	57.72289	349.23459	5.50780	0.2290389	0.27517021	2.3410020	21	—	—
183942 2004 DO_{31}	16.4	X	257.09625	337.26970	112.35341	3.85023	0.0314868	0.25728368	2.4482808	21	9 30.4	19.5
183943 2004 DN_{32}	16.6	X	140.64390	255.70925	347.72249	5.69665	0.1062612	0.26106890	2.4245583	21	11 22.4	20.2
183944 2004 DS_{34}	16.6	X	41.99336	318.27864	80.42080	2.69667	0.0603240	0.27426410	2.3461552	21	—	—
183945 2004 DW_{34}	16.7	X	174.82098	263.76103	4.64429	2.41721	0.1872093	0.26957592	2.3732782	21	—	—
183946 2004 DG_{35}	15.3	X	108.35292	218.48377	281.10311	8.09184	0.0301125	0.18533577	3.0467014	21	5 24.1	19.7
183947 2004 DD_{36}	15.2	X	324.27921	39.37338	200.56426	5.26660	0.1269271	0.17435988	3.1732552	21	3 10.4	19.3
183948 2004 DB_{40}	16.5	X	168.82525	16.77542	267.49105	1.48696	0.1965497	0.27085939	2.3657751	21	—	—
183949 2004 DH_{40}	16.6	X	242.01012	343.85838	182.50004	3.41239	0.1142390	0.26671342	2.3902288	21	12 9.9	19.6
183950 2004 DO_{40}	16.9	X	312.68283	160.98043	264.71263	2.24942	0.1534559	0.26532502	2.3985600	21	11 9.2	19.0
183951 2004 DF_{43}	16.8	X	213.47226	174.15144	69.54371	2.15434	0.1561149	0.27182096	2.3601925	21	—	—
183952 2004 DL_{44}	16.7	X	170.10494	250.93473	10.67375	2.61820	0.1633481	0.26683115	2.3895256	21	—	—
183953 2004 DA_{47}	16.6	X	177.35675	34.74106	167.15331	7.57411	0.1494419	0.26008497	2.4306693	21	11 9.0	20.4
183954 2004 DS_{47}	16.9	X	276.57844	282.53677	172.40281	6.33034	0.0714655	0.26154681	2.4216039	21	10 30.1	19.7
183955 2004 DG_{50}	16.7	X	180.73351	149.87342	292.14786	1.90920	0.1066577	0.24618420	2.5213275	21	6 7.9	20.4
183956 2004 DC_{52}	16.9	X	228.58319	169.34417	350.88073	1.63339	0.1862306	0.26341745	2.4101256	21	11 2.9	20.1
183957 2004 DK_{54}	16.9	X	195.38630	138.22768	128.91970	2.93636	0.1768681	0.27297145	2.3535561	21	—	—
183958 2004 DG_{56}	17.4	X	216.20864	312.33650	227.96770	1.83423	0.1572286	0.26470871	2.4022815	21	11 19.3	20.8
183959 2004 DT_{59}	16.7	X	200.62276	74.65898	143.18377	4.81138	0.1502445	0.26699680	2.3885372	21	12 21.3	20.2
183960 2004 DL_{60}	16.7	X	51.05893	192.54752	161.21921	7.96024	0.0609204	0.26700426	2.3884927	21	12 30.9	19.9
183961 2004 DM_{61}	16.9	X	77.93772	122.10859	352.08346	2.52571	0.1374489	0.23404353	2.6077840	21	3 22.0	19.9
183962 2004 DM_{62}	15.3	X	278.20467	35.37352	42.25974	24.42097	0.3061420	0.26032729	2.4291607	21	9 13.8	18.8
183963 2004 DJ_{64}	6.8	X	322.30044	133.77773	103.21705	2.44491	0.1012302	0.00335419	44.1988762	21	4 1.9	22.9
183964 2004 DJ_{71}	7.4	X	5.14656	56.27847	101.70747	11.31489	0.3773813	0.00258555	52.5735602	21	3 14.4	22.6
183965 2004 DD_{77}	16.6	X	223.96563	141.25317	8.19921	1.39533	0.1282216	0.26119585	2.4237726	21	10 21.9	20.0
183966 2004 ER_{1}	16.2	X	169.87710	117.20463	176.41493	6.12689	0.1347070	0.27193288	2.3595448	21	—	—
183967 2004 EQ_{4}	15.5	X	1.57087	130.44913	96.94139	2.38148	0.1237681	0.17900030	3.1181731	21	4 23.8	19.2
183968 2004 EW_{6}	16.5	X	170.96833	87.35391	185.13277	6.05420	0.0964616	0.26825112	2.3810857	21	—	—
183969 2004 ES_{7}	16.0	X	130.90528	302.73876	168.70466	13.69722	0.0609400	0.23836486	2.5761703	21	5 20.7	19.8
183970 2004 EC_{8}	16.2	X	64.87950	298.11816	346.06937	7.88486	0.0319207	0.25418785	2.4681196	21	10 8.4	19.4
183971 2004 EG_{8}	16.0	X	183.47317	59.50013	356.43427	22.50205	0.0676912	0.23807916	2.5782308	21	4 26.6	20.1
183972 2004 EA_{11}	16.4	X	141.71405	100.37033	11.19465	18.37319	0.1057995	0.24124159	2.5556493	21	5 30.4	20.5
183973 2004 EH_{11}	16.9	X	151.78498	173.62282	22.84518	6.66412	0.1066110	0.25572022	2.4582497	21	10 6.9	20.5
183974 2004 EM_{15}	16.1	X	104.19547	50.51349	60.90259	11.99796	0.1615568	0.23633193	2.5909226	21	4 30.9	19.6
183975 2004 EX_{15}	15.5	X	269.98035	334.98741	344.15069	13.60514	0.1862126	0.23599312	2.5934018	21	3 25.4	19.6
183976 2004 ER_{19}	16.3	X	94.71797	349.05199	168.86994	15.43900	0.0656117	0.24119342	2.5559896	21	6 5.3	20.0
183977 2004 EP_{28}	16.6	X	26.83385	344.47123	1.23283	3.18114	0.2090366	0.25879358	2.4387487	21	12 8.8	19.5
183978 2004 EU_{28}	16.9	X	263.00697	345.64153	7.55909	3.21108	0.1103737	0.24092295	2.5579022	21	5 12.1	20.5
183979 2004 EJ_{31}	14.9	X	42.28903	299.69310	254.53522	8.98471	0.0458998	0.17987652	3.1080385	21	5 9.1	19.1
183980 2004 ED_{36}	16.5	X	216.20219	287.27326	204.48832	4.40425	0.0631460	0.25686890	2.4509157	21	9 25.9	19.7
183981 2004 EJ_{37}	14.9	X	303.59293	235.51788	27.52830	31.55654	0.3125932	0.22521562	2.6754924	21	2 28.4	19.6
183982 2004 EH_{43}	16.5	X	179.48651	50.28616	95.42126	5.88153	0.0538166	0.25188871	2.4831155	21	9 3.6	20.0
183983 2004 EH_{44}	16.5	X	305.03219	120.47355	201.74532	0.81372	0.1387659	0.24185879	2.5512996	21	5 22.7	19.6
183984 2004 EQ_{45}	16.3	X	216.64909	256.89661	1.36426	4.77881	0.0683789	0.21742641	2.7390157	21	—	—
183985 2004 EK_{46}	16.3	X	96.32573	138.42128	123.16686	9.05828	0.0909003	0.25582166	2.4575999	21	11 1.9	19.9
183986 2004 EH_{48}	17.3	X	230.84094	48.19599	58.28908	3.37756	0.1310047	0.25572140	2.4582422	21	9 4.1	20.7
183987 2004 EU_{51}	17.0	X	103.28168	117.92067	143.49587	3.79933	0.1692176	0.25576712	2.4579492	21	11 13.2	20.7
183988 2004 EL_{52}	16.7	X	294.30185	9.91363	147.87638	6.28608	0.0521244	0.27280913	2.3544896	21	—	—
183989 2004 EF_{53}	15.8	X	158.69546	264.61574	54.02909	4.58595	0.2221922	0.27231210	2.3573538	21	—	—
183990 2004 EM_{53}	16.6	X	136.65378	306.91569	152.14337	12.70521	0.1449134	0.23973023	2.5663793	21	5 20.7	20.7
183991 2004 EJ_{54}	16.6	X	80.69742	26.75551	119.65189	3.67975	0.1014370	0.23603998	2.5930586	21	5 5.7	19.9
183992 2004 EX_{58}	16.3	X	26.87896	327.92675	268.91107	9.72269	0.1285069	0.23892111	2.5721702	21	6 17.5	18.8
183993 2004 EV_{60}	17.1	X	49.64617	11.58370	202.37387	1.97000	0.1046092	0.24206439	2.5498548	21	6 21.2	20.0
183994 2004 EF_{63}	16.6	X	274.10121	272.67251	208.02941	5.95453	0.0706578	0.26337581	2.4103797	21	11 30.4	19.4
183995 2004 EU_{63}	16.8	X	58.69194	6.49458	173.31052	5.32892	0.0515117	0.23677714	2.5876739	21	5 12.0	20.0
183996 2004 EU_{71}	17.4	X	248.41036	191.53536	283.16681	1.45306	0.1665611	0.25981236	2.4323693	21	9 29.4	20.6
183997 2004 EE_{72}	16.5	X	213.77705	252.58348	353.84896	0.58025	0.0372993	0.27280850	2.3544932	21	—	—
183998 2004 EQ_{74}	15.6	X	99.26911	258.25546	184.21991	21.82021	0.0469458	0.22723941	2.6595834	21	2 23.5	19.4
183999 2004 EV_{76}	16.2	X	282.88296	95.26950	142.67317	4.94385	0.0712171	0.22473996	2.6792661	21	1 15.3	20.1
184000 2004 EB_{78}	17.0	X	225.96217	347.60141	118.11933	2.29631	0.1892651	0.25418095	2.4681642	21	8 21.1	20.8