Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
180001 2002 YZ	15.8	X	295.38425	167.42780	315.52285	13.25867	0.1375217	0.21764156	2.7372103	20	—	—
180002 2002 YD_4	16.6	X	319.89393	61.65580	29.94914	1.18270	0.2808024	0.21873258	2.7281007	20	—	—
180003 2002 YU_5	15.7	X	214.49017	212.64803	309.57676	6.93466	0.1564652	0.20925695	2.8098478	20	10 22.8	20.1
180004 2002 YY_8	15.9	X	8.38657	309.85382	96.34944	10.09523	0.1063344	0.22094371	2.7098689	20	—	—
180005 2002 YQ_{12}	15.5	X	284.00272	280.57787	268.38405	11.14178	0.1501929	0.22774434	2.6556509	20	—	—
180006 2002 YQ_{13}	16.1	X	273.27203	344.29297	118.88147	5.55793	0.1325933	0.21319740	2.7751180	20	10 30.7	19.5
180007 2002 YM_{14}	15.9	X	185.41767	177.14636	187.76782	3.37801	0.2162589	0.24570981	2.5245717	20	3 16.3	20.1
180008 2002 YZ_{18}	16.0	X	125.61484	132.36536	242.44357	2.90909	0.2078719	0.23791309	2.5794305	20	2 3.5	19.7
180009 2002 YY_{20}	15.5	X	187.11773	274.81900	94.54250	2.84236	0.1061869	0.24625055	2.5208746	20	3 23.0	19.2
180010 2002 YR_{22}	15.0	X	7.74150	144.22854	99.26703	11.26744	0.0588493	0.19310043	2.9644711	20	6 4.7	18.8
180011 2002 YO_{25}	16.6	X	41.15034	357.64884	90.51350	1.83185	0.1387946	0.23120307	2.6290992	20	—	—
180012 2002 YM_{26}	16.0	X	303.11664	189.99474	306.67687	4.54392	0.0052254	0.22266801	2.6958610	20	—	—
180013 2002 YV_{26}	15.5	X	253.64225	74.60674	101.51531	16.10260	0.2529411	0.21716259	2.7412336	20	12 16.9	19.1
180014 2002 YP_{32}	16.4	X	49.26391	109.45453	350.40779	2.22376	0.0656455	0.23798839	2.5788863	20	1 22.0	19.3
180015 2003 AH_1	15.5	X	356.46700	329.81717	126.52054	14.75831	0.2140204	0.22569408	2.6717097	20	—	—
180016 2003 AW_1	15.7	X	118.65526	12.52040	359.09927	9.25015	0.2409897	0.23613487	2.5923639	20	1 31.5	19.5
180017 2003 AJ_2	15.7	X	328.25325	354.64538	94.35196	13.04087	0.1634277	0.21670706	2.7450737	20	—	—
180018 2003 AU_8	15.4	X	8.68436	251.72442	158.13733	27.76327	0.2018007	0.22377515	2.6869617	20	—	—
180019 2003 AR_{10}	16.1	X	76.12433	228.77629	194.82002	6.12653	0.1756016	0.23500309	2.6006805	20	1 26.7	19.0
180020 2003 AO_{12}	15.5	X	355.57034	301.36731	130.84199	15.38421	0.1642738	0.22254020	2.6968931	20	—	—
180021 2003 AP_{14}	15.5	X	83.92597	4.09928	27.88187	8.55092	0.1924164	0.23247734	2.6194833	20	1 2.2	18.5
180022 2003 AD_{16}	16.3	X	136.23535	25.85928	329.39630	1.83881	0.2520550	0.23533558	2.5982304	20	1 27.7	20.3
180023 2003 AU_{16}	16.7	X	321.72553	69.07715	316.75209	19.88315	0.0622110	0.37744190	1.8962808	20	11 6.9	19.0
180024 2003 AO_{17}	15.9	X	316.79098	345.24849	113.22540	11.02313	0.1593745	0.21937188	2.7227979	20	—	—
180025 2003 AU_{20}	15.9	X	25.66895	86.53584	65.09665	5.67536	0.1099173	0.23707393	2.5855137	20	2 27.8	18.7
180026 2003 AD_{22}	15.8	X	20.97618	84.23270	319.69665	10.45847	0.1986865	0.22259788	2.6964272	20	—	—
180027 2003 AY_{24}	16.3	X	322.45551	325.99082	107.47209	4.21054	0.1919869	0.21820239	2.7325181	20	12 13.5	18.8
180028 2003 AM_{33}	15.5	X	316.26861	112.15154	111.85708	12.51499	0.1423769	0.23378563	2.6097015	20	2 8.8	18.9
180029 2003 AS_{37}	16.1	X	108.06540	205.08710	182.90575	2.88798	0.2729515	0.23557041	2.5965034	20	2 9.8	19.8
180030 2003 AM_{39}	15.8	X	292.35345	30.81658	126.13925	10.17148	0.1347202	0.22121522	2.7076512	20	—	—
180031 2003 AR_{43}	15.8	X	357.34141	14.24395	20.68681	5.34673	0.1670331	0.21888392	2.7268430	20	12 24.5	19.0
180032 2003 AU_{44}	15.6	X	68.01054	306.78743	73.68171	12.11817	0.1333502	0.22660790	2.6645223	20	—	—
180033 2003 AV_{48}	15.9	X	40.92936	323.46228	65.74204	7.70090	0.2301468	0.22448867	2.6812652	20	—	—
180034 2003 AH_{52}	15.7	X	11.37604	78.46315	316.71985	8.17104	0.2185837	0.21966967	2.7203366	20	—	—
180035 2003 AG_{60}	15.7	X	309.72243	339.41830	102.75898	14.05719	0.1552270	0.21383870	2.7695668	20	12 1.3	18.7
180036 2003 AD_{63}	16.3	X	344.96101	55.79814	112.93519	3.03092	0.0431967	0.23295370	2.6159111	20	1 20.3	19.7
180037 2003 AD_{65}	15.7	X	64.92067	22.37215	41.46986	10.91060	0.1840574	0.23199899	2.6230828	20	1 12.7	18.6
180038 2003 AO_{66}	16.2	X	302.60815	55.22384	15.97070	9.15233	0.1868772	0.21390886	2.7689612	20	10 25.7	19.1
180039 2003 AR_{67}	16.1	X	293.76040	119.43458	333.42513	14.95943	0.1936965	0.21439005	2.7648164	20	11 1.6	19.4
180040 2003 AX_{72}	15.5	X	22.47981	336.83399	82.10370	14.03720	0.1329298	0.22378750	2.6868629	20	—	—
180041 2003 AY_{72}	15.2	X	37.11143	77.35869	79.19703	9.57603	0.2315368	0.17962179	3.1109763	20	4 15.7	18.6
180042 2003 AQ_{75}	15.3	X	330.08282	110.63902	347.06969	12.42088	0.2260434	0.22075603	2.7114046	20	—	—
180043 2003 AF_{77}	16.1	X	276.52417	60.93882	66.22374	10.19404	0.2067908	0.21496695	2.7598676	20	11 23.9	19.2
180044 2003 AJ_{88}	15.5	X	280.65627	286.57953	180.08520	13.85714	0.2018607	0.21338890	2.7734574	20	11 5.9	18.8
180045 2003 AR_{91}	15.2	X	34.61992	128.58542	12.06207	11.28296	0.0747590	0.17734235	3.1375771	20	3 6.4	19.3
180046 2003 BB_5	16.0	X	268.61445	359.45268	178.03073	7.57083	0.0810907	0.21905311	2.7254388	20	—	—
180047 2003 BM_9	15.7	X	271.35951	70.43331	149.50518	9.69467	0.1196731	0.22686800	2.6624853	20	—	—
180048 2003 BH_{10}	15.4	X	246.73563	309.53362	289.07700	8.62192	0.2582523	0.22319807	2.6915912	20	—	—
180049 2003 BN_{14}	15.5	X	224.93355	103.87026	144.60948	13.32504	0.1601190	0.22281336	2.6946884	20	—	—
180050 2003 BR_{21}	17.0	X	284.43927	92.05174	311.97853	21.03794	0.1551108	0.37433179	1.9067697	20	9 7.6	18.7
180051 2003 BJ_{22}	16.1	X	39.13075	263.20294	162.59959	13.90512	0.1725608	0.23095680	2.6309679	20	—	—
180052 2003 BU_{23}	15.8	X	214.34682	62.05179	195.71628	12.27424	0.0557447	0.22359250	2.6884248	20	—	—
180053 2003 BU_{25}	15.4	X	355.36666	223.64891	199.20388	11.05270	0.1629191	0.22304643	2.6928109	20	—	—
180054 2003 BY_{30}	16.0	X	103.09954	200.88688	126.16009	5.74567	0.0025431	0.21811562	2.7332427	20	—	—
180055 2003 BR_{32}	16.0	X	30.93968	20.33010	309.65154	4.46422	0.0413419	0.20830503	2.8184016	20	10 28.1	19.7
180056 2003 BO_{39}	15.6	X	142.45670	323.82903	298.63613	10.75550	0.1355279	0.21242984	2.7817987	20	12 18.6	20.1
180057 2003 BU_{45}	16.3	X	239.94496	115.22241	153.09509	2.51039	0.0997781	0.22937757	2.6430300	20	1 12.2	20.1
180058 2003 BM_{50}	15.8	X	215.38520	62.81746	142.88613	9.19619	0.1418970	0.21458135	2.7631729	20	12 21.8	19.9
180059 2003 BL_{65}	16.2	X	286.35611	300.39904	157.46733	2.00236	0.1923903	0.21185060	2.7868670	20	11 2.8	19.2
180060 2003 BV_{65}	15.7	X	296.35212	46.38489	76.67309	10.48946	0.1036354	0.21561492	2.7543355	20	—	—
180061 2003 BG_{66}	15.0	X	6.42273	222.67163	322.01457	9.07988	0.1650539	0.17626875	3.1503043	20	3 11.8	18.7
180062 2003 BT_{71}	15.8	X	248.40049	354.78425	185.03248	9.38020	0.1030629	0.21569689	2.7536377	20	—	—
180063 2003 BC_{76}	15.8	X	210.67581	130.65411	47.50591	8.79995	0.1526370	0.20931049	2.8093685	20	11 10.8	20.0
180064 2003 BP_{78}	15.4	X	239.77300	233.71592	351.47999	7.80022	0.1426661	0.22260217	2.6963926	20	—	—
180065 2003 BF_{79}	15.9	X	264.13566	140.41121	333.66703	8.99074	0.2437307	0.21115232	2.7930078	20	10 7.7	19.8
180066 2003 BN_{79}	15.7	X	254.92280	31.43290	64.93990	5.88589	0.0710431	0.20624675	2.8371218	20	10 4.6	19.6
180067 2003 BY_{80}	16.1	X	264.74041	25.30378	139.65553	3.40919	0.0757798	0.21595206	2.7514681	20	—	—
180068 2003 BK_{82}	15.8	X	134.28117	38.44159	352.55647	7.30261	0.1980696	0.23810854	2.5780187	20	3 3.9	19.6
180069 2003 BW_{82}	15.7	X	75.52752	50.12628	291.41733	5.29484	0.0388303	0.21480117	2.7612875	20	—	—
180070 2003 BU_{90}	15.5	X	6.88562	350.08077	86.97202	13.63003	0.0478364	0.22200141	2.7012548	20	—	—
180071 2003 BH_{92}	15.5	X	108.07057	121.65596	45.63208	13.50102	0.0780877	0.19037732	2.9926729	20	7 15.5	20.1
180072 2003 CS_2	16.2	X	233.83358	4.30713	152.67944	12.13577	0.1498589	0.21089699	2.7952616	20	11 14.3	20.4
180073 2003 CX_2	15.6	X	184.63296	283.30699	283.39071	7.66153	0.0966362	0.20936948	2.8088409	20	11 22.7	19.9
180074 2003 CB_4	15.1	X	87.34533	111.19200	292.37775	12.86628	0.2006017	0.23544409	2.5974320	20	1 22.2	18.0
180075 2003 CM_{12}	15.9	X	332.72865	141.23875	322.79896	5.29166	0.0125609	0.21814733	2.7329779	20	—	—
180076 2003 CO_{12}	15.7	X	239.39676	127.77162	331.80775	6.89049	0.0281997	0.20303457	2.8669672	20	9 19.8	19.6
180077 2003 CZ_{21}	16.2	X	350.74096	264.44283	176.79250	9.37948	0.2372747	0.22012443	2.7165886	20	—	—
180078 2003 CG_{25}	14.6	X	337.08883	118.63650	150.11544	17.31817	0.0730465	0.17931590	3.1145133	20	5 25.6	19.0
180079 2003 DU_2	15.2	X	70.74196	225.33567	332.61204	9.06433	0.1356286	0.18660921	3.0328249	20	7 16.8	19.4
180080 2003 DZ_{10}	14.8	X	322.15763	125.61849	101.01623	23.99001	0.2800974	0.17003784	3.2268021	20	2 10.7	19.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
180081 2003 DA_{11}	16.0	X	244.22998	113.75540	340.10268	6.82641	0.0467092	0.20191838	2.8775231	20	9 16.6	20.1
180082 2003 DZ_{11}	15.9	X	185.62792	61.91535	155.55510	4.38115	0.0401917	0.20975402	2.8054069	20	12 13.2	19.9
180083 2003 DT_{19}	15.6	X	88.87227	21.94009	164.81400	9.95965	0.1234551	0.18901590	3.0070258	20	7 20.2	20.0
180084 2003 DV_{24}	15.2	X	165.07789	51.75933	346.87385	14.95898	0.1085945	0.17996901	3.1069736	20	4 3.5	20.2
180085 2003 EW_{1}	15.1	X	82.34692	105.63334	6.59662	11.23410	0.0505648	0.17854988	3.1234148	20	3 29.2	19.4
180086 2003 EE_{4}	16.2	X	13.84047	183.20602	186.39685	23.34226	0.0708119	0.37567081	1.9022361	20	—	—
180087 2003 EL_{8}	15.3	X	228.12008	272.50028	295.89190	8.02286	0.0924216	0.21476168	2.7616259	20	—	—
180088 2003 EQ_{27}	15.1	X	138.40914	184.09287	31.15120	9.06895	0.1002544	0.19927138	2.9029491	20	10 17.7	19.7
180089 2003 ER_{27}	14.9	X	331.39155	95.52154	163.88960	16.85787	0.2045529	0.17724595	3.1387147	20	4 19.3	18.7
180090 2003 EX_{28}	15.0	X	354.32673	73.58391	182.02408	16.43611	0.1713169	0.17828956	3.1264544	20	5 29.9	18.8
180091 2003 ED_{32}	16.3	X	235.40893	109.72042	12.28014	1.07872	0.1211912	0.20488353	2.8496926	20	10 2.7	20.3
180092 2003 EC_{36}	15.6	X	76.43749	268.85778	17.22647	6.50996	0.0381845	0.20196771	2.8770545	20	10 29.6	19.5
180093 2003 EJ_{41}	15.7	X	303.47493	192.87566	146.79537	10.16625	0.0718978	0.18992346	2.9974387	20	7 4.6	19.7
180094 2003 EA_{42}	15.6	X	158.28673	81.08324	1.36030	10.98936	0.0900720	0.18611944	3.0381431	20	5 20.9	20.5
180095 2003 EA_{46}	14.3	X	326.02197	272.94701	355.09986	24.78371	0.3136722	0.17458504	3.1705264	20	3 26.0	18.0
180096 2003 EH_{49}	15.6	X	153.78783	134.88793	339.11914	8.36787	0.0646157	0.18646765	3.0343596	20	6 27.5	20.3
180097 2003 EF_{53}	15.5	X	140.40882	168.22206	84.88041	9.87057	0.2577165	0.20306692	2.8666627	20	12 4.6	20.7
180098 2003 EF_{60}	15.7	X	89.04077	5.28030	156.64026	11.52438	0.2258440	0.18318968	3.0704501	20	7 2.9	20.5
180099 2003 EY_{62}	15.2	X	328.12152	133.75623	110.51843	2.78102	0.1085583	0.17591649	3.1545084	20	4 3.9	19.1
180100 2003 FT_{2}	14.8	X	46.01154	345.78738	216.86598	22.32035	0.0648491	0.18183246	3.0857100	20	6 5.3	19.2
180101 2003 FB_{3}	17.3	X	163.45501	142.77806	129.14578	23.31106	0.0742077	0.38314427	1.8774188	20	—	—
180102 2003 FN_{3}	16.8	X	94.99389	51.54558	85.11047	23.81980	0.0756626	0.35322918	1.9819757	20	5 22.5	19.0
180103 2003 FX_{6}	15.7	X	78.30419	184.55233	60.72277	13.04270	0.1028375	0.19275197	2.9680428	20	9 26.2	20.2
180104 2003 FN_{11}	16.1	X	188.05381	55.09693	51.99333	1.85721	0.0589875	0.19036696	2.9927814	20	7 27.3	20.5
180105 2003 FB_{12}	16.5	X	68.72938	302.37898	267.64320	0.58876	0.1983383	0.18584826	3.0410977	20	8 6.1	20.8
180106 2003 FB_{19}	15.4	X	206.14466	91.17518	137.85653	12.99030	0.1400323	0.21026953	2.8008197	20	—	—
180107 2003 FH_{22}	15.3	X	8.65902	55.30759	184.86597	15.37004	0.1216678	0.18137317	3.0909171	20	6 3.6	19.3
180108 2003 FU_{23}	15.4	X	195.46946	85.09018	4.53231	9.54055	0.0619081	0.18976570	2.9990997	20	7 15.0	20.0
180109 2003 FT_{26}	15.7	X	65.94030	7.70822	159.41289	1.90445	0.1214701	0.18038692	3.1021731	20	5 27.2	19.8
180110 2003 FP_{27}	15.9	X	299.79898	109.97037	307.06523	1.01226	0.0627711	0.20062422	2.8898844	20	10 12.3	19.6
180111 2003 FB_{28}	15.8	X	47.95790	314.24406	269.45299	2.15498	0.1466284	0.18484480	3.0520939	20	7 18.3	19.7
180112 2003 FW_{28}	14.9	X	47.66032	85.16816	157.67155	12.01538	0.0527068	0.18598402	3.0396177	20	7 28.7	19.2
180113 2003 FN_{31}	15.4	X	46.59958	10.04475	180.88660	10.33874	0.0259856	0.18036762	3.1023944	20	5 20.0	19.8
180114 2003 FN_{34}	16.3	X	59.34213	50.15476	161.05499	3.06315	0.0927468	0.18498550	3.0505461	20	7 9.9	20.5
180115 2003 FC_{40}	15.4	X	279.47304	132.64240	195.62314	8.41839	0.0980944	0.18058677	3.0998838	20	5 15.3	19.7
180116 2003 FG_{44}	15.6	X	355.45705	19.86597	206.16076	2.85816	0.1761711	0.17651144	3.1474160	20	4 18.6	19.1
180117 2003 FW_{46}	16.1	X	79.37951	196.54740	31.27900	1.96671	0.0447748	0.19050501	2.9913354	20	8 21.6	20.2
180118 2003 FN_{48}	15.7	X	59.58784	29.90162	206.15584	3.62434	0.0619854	0.18767497	3.0213322	20	8 6.5	19.9
180119 2003 FA_{49}	15.1	X	331.19160	116.62623	158.88871	9.05732	0.2172153	0.17615647	3.1516427	20	5 8.1	18.7
180120 2003 FD_{50}	15.4	X	21.69587	101.69639	123.71153	13.04691	0.1705750	0.17943916	3.1130868	20	6 10.9	19.1
180121 2003 FZ_{52}	15.3	X	50.72820	44.57842	124.57216	12.69933	0.1166483	0.17827120	3.1266691	20	5 11.5	19.5
180122 2003 FL_{53}	15.3	X	117.51099	39.05125	110.14630	10.25933	0.1625676	0.18584858	3.0410942	20	7 9.7	20.1
180123 2003 FQ_{53}	15.2	X	260.33322	37.28348	142.41331	13.44625	0.1403726	0.21267068	2.7796982	20	—	—
180124 2003 FQ_{60}	15.2	X	209.30065	94.94519	131.44189	7.62739	0.1765963	0.21043272	2.7993715	20	—	—
180125 2003 FH_{63}	14.9	X	178.51899	213.76607	166.85779	10.38131	0.0547858	0.17437603	3.1730593	20	3 31.8	19.7
180126 2003 FC_{65}	15.4	X	57.42677	126.59265	43.53879	11.15102	0.0643652	0.17898223	3.1183829	20	5 10.0	19.7
180127 2003 FF_{68}	15.5	X	127.51298	77.33819	25.66502	17.46824	0.1005198	0.18033782	3.1027361	20	5 13.3	20.3
180128 2003 FM_{68}	15.2	X	125.60018	63.34381	41.79982	8.67975	0.0475074	0.17936336	3.1139639	20	5 11.8	19.6
180129 2003 FF_{71}	15.0	X	329.98224	277.34798	22.27796	9.30109	0.1245915	0.18325180	3.0697562	20	6 15.0	18.8
180130 2003 FK_{74}	15.1	X	22.57566	193.97651	10.22097	17.67219	0.2110602	0.17586070	3.1551755	20	5 8.6	18.7
180131 2003 FX_{74}	14.9	X	66.82997	167.71507	64.16510	13.11875	0.0819042	0.18732475	3.0250968	20	8 20.8	19.3
180132 2003 FL_{86}	14.8	X	284.38904	341.95777	331.84093	8.26311	0.0544562	0.17988804	3.1079058	20	5 4.9	19.3
180133 2003 FM_{86}	14.9	X	322.79157	67.23010	205.64749	14.64995	0.0565368	0.17929329	3.1147751	20	5 8.4	19.1
180134 2003 FE_{89}	15.1	X	357.44148	227.97993	358.35792	7.85360	0.0878081	0.17637330	3.1490591	20	4 23.3	19.1
180135 2003 FV_{89}	15.0	X	17.44715	356.51912	226.84864	9.82239	0.0779012	0.18002739	3.1063019	20	5 23.4	18.8
180136 2003 FX_{102}	15.1	X	268.65812	158.54359	173.99615	11.45474	0.1449728	0.17949120	3.1124851	20	5 2.4	19.7
180137 2003 FD_{103}	15.2	X	338.73434	91.23730	186.21528	8.65290	0.0265567	0.18257911	3.0772917	20	6 7.7	19.5
180138 2003 FE_{103}	15.7	X	358.52543	100.81614	165.69089	1.84092	0.0608167	0.18344978	3.0675472	20	6 20.2	19.5
180139 2003 FB_{108}	14.4	X	10.00527	39.19598	203.82157	23.37509	0.1458677	0.18147580	3.0897516	20	6 8.7	18.4
180140 2003 FE_{117}	14.8	X	15.91151	183.28141	45.51910	18.25740	0.1464568	0.17819258	3.1275887	20	5 28.5	18.6
180141 Sperauskas	15.4	X	356.51972	151.21570	150.69073	10.46195	0.0408167	0.19063774	2.9899468	20	8 2.8	19.3
180142 2003 FH_{123}	16.3	X	298.52652	57.11914	11.99673	1.78811	0.0533293	0.20482105	2.8502721	20	10 28.1	19.8
180143 Gaberogers	15.5	X	212.17230	286.35156	42.94807	1.59015	0.1756351	0.17360164	3.1824885	20	3 2.1	20.6
180144 2003 GV_{5}	15.4	X	20.14248	9.28176	193.01451	3.55035	0.1474076	0.17632604	3.1496219	20	5 3.9	18.9
180145 2003 GU_{7}	15.1	X	347.74458	186.78058	39.21767	22.58764	0.0582092	0.17399112	3.1777373	20	4 16.9	19.3
180146 2003 GL_{8}	15.8	X	213.76647	275.98588	201.37869	1.26349	0.0649671	0.19562952	2.9388661	20	9 6.9	20.2
180147 2003 GL_{9}	15.2	X	39.61768	176.00785	74.05552	5.74660	0.1570130	0.18404740	3.0609032	20	8 13.8	19.1
180148 2003 GB_{14}	15.3	X	3.57810	186.67145	74.09105	7.86720	0.2444357	0.17883575	3.1200855	20	6 26.0	18.2
180149 2003 GK_{15}	15.3	X	26.08081	190.73132	11.14504	10.86573	0.0722049	0.17977389	3.1092213	20	5 4.3	19.4
180150 2003 GQ_{16}	15.0	X	22.78613	71.51427	152.72591	18.05630	0.0763497	0.18102791	3.0948458	20	6 4.8	19.4
180151 2003 GS_{16}	15.3	X	59.17378	139.90874	99.17057	7.80666	0.1375258	0.19047304	2.9916701	20	8 25.6	19.4
180152 2003 GK_{22}	15.2	X	0.91375	65.14312	202.32657	9.97895	0.1686948	0.18099890	3.0951766	20	6 26.4	18.8
180153 2003 GK_{25}	15.3	X	209.20636	196.34802	18.93063	14.16510	0.1112669	0.21118649	2.7927065	20	12 29.8	19.6
180154 2003 GN_{31}	15.9	X	155.30911	176.06307	99.39259	3.80291	0.2693788	0.20470106	2.8513858	20	—	—
180155 2003 GF_{38}	15.4	X	186.12117	73.34179	50.14065	10.22903	0.0324694	0.19100500	2.9861129	20	8 20.6	19.9
180156 2003 GJ_{39}	15.5	X	142.65631	350.00369	176.56000	11.23931	0.0458721	0.18668579	3.0319954	20	8 16.9	20.1
180157 2003 GU_{50}	15.3	X	324.80278	133.27302	146.61777	10.61289	0.0680676	0.17831321	3.1261780	20	5 21.1	19.6
180158 2003 GT_{53}	15.4	X	315.18179	129.34648	157.43757	7.42792	0.1665809	0.17731089	3.1379482	20	5 2.5	19.4
180159 2003 GE_{54}	15.5	X	86.65570	216.14233	11.85604	9.53597	0.0664794	0.19165575	2.9793497	20	9 5.3	19.8
180160 2003 GR_{54}	15.5	X	49.81042	96.75766	165.13705	7.43547	0.0608828	0.19052264	2.9911509	20	8 27.9	19.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
180161 2003 GU_{55}	15.3	X	137.15600	261.10332	189.85196	14.94793	0.1156352	0.17639744	3.1487719	20	5 16.3	20.3
180162 2003 HM_{2}	17.2	X	223.57680	134.00949	66.15103	26.87218	0.0931703	0.37942575	1.8896651	20	—	—
180163 2003 HZ_{2}	15.5	X	147.17437	65.56281	20.16410	10.69478	0.1496008	0.17995430	3.1071429	20	5 17.7	20.6
180164 2003 HP_{6}	15.6	X	12.99715	231.50623	37.13796	8.55021	0.0592814	0.18289694	3.0737255	20	7 16.5	19.7
180165 2003 HX_{6}	15.7	X	115.65211	169.18482	24.70658	9.81843	0.0090042	0.19019317	2.9946043	20	8 22.7	20.0
180166 2003 HN_{10}	14.8	X	337.70999	133.33553	192.81930	22.31227	0.1889699	0.18132509	3.0914634	20	7 28.2	18.7
180167 2003 HP_{10}	15.3	X	103.62813	42.99438	131.34081	7.24555	0.2057884	0.18370720	3.0646809	20	7 31.1	20.0
180168 2003 HJ_{15}	15.5	X	34.57170	150.68733	61.61525	8.06341	0.0775382	0.17877511	3.1207910	20	6 3.0	19.4
180169 2003 HU_{15}	16.6	X	1.31279	350.51124	66.80397	23.68696	0.0773959	0.37911620	1.8906936	20	—	—
180170 2003 HE_{23}	15.3	X	340.33656	269.61747	355.68252	9.33116	0.1942396	0.17773177	3.1329924	20	5 7.9	18.9
180171 2003 HD_{31}	15.4	X	44.93661	145.08454	43.46969	10.85210	0.0698328	0.17647253	3.1478785	20	5 16.6	19.6
180172 2003 HX_{32}	16.7	X	247.49976	94.43918	48.65005	22.90595	0.0747249	0.37344666	1.9097814	20	—	—
180173 2003 HU_{40}	14.9	X	34.01470	10.81943	225.76497	9.47503	0.0310044	0.18032704	3.1028597	20	6 28.9	19.3
180174 2003 HN_{42}	15.3	X	69.27463	6.85877	193.23540	8.85756	0.1471407	0.18115753	3.0933694	20	7 15.5	19.7
180175 2003 HK_{45}	15.7	X	24.09121	130.87106	51.59735	5.55650	0.1263334	0.17185154	3.2040584	20	4 14.1	19.5
180176 2003 HP_{54}	15.4	X	315.21504	126.87596	148.97579	1.42284	0.1791553	0.17262407	3.1944921	20	4 14.8	19.4
180177 2003 JR_{1}	15.7	X	47.78750	81.87367	177.41948	6.46492	0.2082225	0.18480113	3.0525747	20	9 12.4	19.7
180178 2003 JU_{2}	14.4	X	57.06400	331.65759	222.46056	26.83474	0.1171282	0.17738046	3.1371276	20	6 14.7	18.9
180179 2003 JM_{8}	15.2	X	36.24791	158.45887	81.86463	13.43900	0.1855727	0.18058873	3.0998615	20	7 30.3	19.1
180180 2003 JC_{18}	15.2	X	79.24825	127.64157	131.51317	11.93733	0.1820171	0.18740311	3.0242534	20	10 21.0	20.0
180181 2003 KD_{12}	15.2	X	32.72356	100.72882	159.15621	12.57408	0.1216360	0.18223291	3.0811879	20	8 7.4	19.2
180182 2003 LF_{4}	14.5	X	345.67514	12.65952	222.85550	20.56482	0.1683445	0.17060322	3.2196691	20	4 11.8	18.3
180183 2003 MC	16.8	X	91.08691	133.83381	190.08477	22.60730	0.0753955	0.37331414	1.9102334	20	—	—
180184 2003 ML_{5}	15.1	X	55.50076	137.35339	124.67130	16.23879	0.3265814	0.18150400	3.0894315	20	10 18.8	20.0
180185 2003 OO_{11}	16.6	X	13.16550	127.73904	179.34008	22.47136	0.0813042	0.35282662	1.9834830	20	10 9.6	18.3
180186 2003 QZ_{30}	17.4	X	140.05634	243.09271	178.08735	8.56807	0.6316509	0.26186052	2.4196694	20	5 9.5	22.8
180187 2003 QA_{32}	17.3	X	330.88878	238.29852	162.01807	5.39372	0.2139586	0.29705203	2.2245783	20	12 19.3	18.8
180188 2003 QX_{67}	16.8	X	202.65263	251.70647	105.14353	3.34428	0.1949488	0.27018207	2.3697273	20	3 21.1	20.7
180189 2003 QN_{72}	16.9	X	216.69094	221.54412	93.60609	3.16339	0.2233368	0.26834278	2.3805434	20	2 9.9	21.0
180190 2003 QH_{79}	16.2	X	228.41693	79.08208	287.03273	9.16872	0.0893222	0.27533921	2.3400439	20	4 26.4	19.7
180191 2003 SZ_{50}	17.5	X	7.17867	185.15726	199.19679	2.02490	0.1613215	0.29918810	2.2139773	20	—	—
180192 2003 SC_{53}	16.0	X	256.79687	254.18040	213.76224	23.25906	0.2052911	0.28987965	2.2611232	20	10 12.7	18.5
180193 2003 SX_{56}	17.7	X	101.07879	37.36888	313.71718	2.59115	0.1463733	0.31115627	2.1568354	20	—	—
180194 2003 SK_{101}	16.5	X	91.53183	136.83807	244.30809	8.54758	0.1880686	0.25377316	2.4708076	20	—	—
180195 2003 SF_{110}	16.4	X	267.74818	329.43645	350.48404	4.92398	0.2163812	0.27396437	2.3478661	20	3 29.3	19.9
180196 2003 SL_{110}	16.9	X	12.14708	33.40858	5.47664	8.36801	0.1770475	0.29983877	2.2107732	20	—	—
180197 2003 SB_{192}	16.8	X	6.58457	97.27424	305.88515	5.72134	0.1347040	0.29943650	2.2127527	20	—	—
180198 2003 SU_{215}	17.0	X	337.50808	341.88559	72.11372	5.82920	0.1304396	0.29678676	2.2259037	20	—	—
180199 2003 SK_{217}	16.7	X	245.03631	27.76509	59.68263	3.30268	0.1992672	0.28386324	2.2929607	20	8 30.7	19.5
180200 2003 SC_{250}	16.7	X	36.33387	294.84134	38.41405	7.60829	0.1872190	0.29577675	2.2309681	20	12 21.9	19.7
180201 2003 ST_{251}	17.0	X	234.56285	36.81475	27.67669	3.04973	0.2118672	0.27778576	2.3262840	20	7 14.3	20.4
180202 2003 SO_{258}	17.5	X	293.07832	230.28981	173.58369	3.63765	0.1273801	0.28810252	2.2704120	20	9 24.3	19.5
180203 2003 SU_{259}	17.4	X	67.89872	291.70346	93.90330	0.98832	0.1260054	0.30739321	2.1744022	20	—	—
180204 2003 SB_{295}	16.4	X	219.85734	324.96239	99.58341	6.39712	0.2094011	0.27474398	2.3434225	20	6 28.9	20.1
180205 2003 SD_{295}	16.9	X	87.70033	345.49231	53.12838	7.35305	0.1922241	0.31024469	2.1610583	20	—	—
180206 2003 SH_{298}	17.6	X	120.78759	244.49064	103.31476	2.34035	0.1855356	0.31364257	2.1454219	20	—	—
180207 2003 SH_{305}	17.0	X	9.64317	12.61736	336.37406	6.85030	0.1445199	0.29340354	2.2429822	20	11 28.7	19.4
180208 2003 SD_{311}	17.2	X	316.26552	107.67718	9.24023	5.29435	0.0869871	0.30491135	2.1861854	20	—	—
180209 2003 SF_{312}	17.4	X	357.32598	35.68220	34.65700	4.52800	0.1089680	0.30325630	2.1941324	20	—	—
180210 2003 SP_{318}	16.7	X	12.34264	308.10610	67.54919	8.45797	0.1373813	0.29838291	2.2179585	20	—	—
180211 2003 TE_{5}	16.6	X	273.81750	342.62449	51.74652	6.20977	0.1666260	0.28237769	2.3009956	20	7 31.1	19.2
180212 2003 UE_{1}	16.8	X	316.31790	77.15830	328.07901	5.82925	0.0952480	0.29233931	2.2484224	20	11 10.9	19.0
180213 2003 UM_{8}	17.0	X	166.03023	10.11738	331.41929	4.32485	0.1063792	0.31565195	2.1363073	20	1 15.5	19.6
180214 2003 UB_{9}	16.0	X	323.11386	268.48822	113.36222	23.25664	0.2666793	0.28871318	2.2672094	20	11 10.7	18.0
180215 2003 UK_{9}	16.8	X	297.58370	346.70495	51.35658	7.85520	0.1009281	0.28434585	2.2903655	20	9 30.0	19.1
180216 2003 UY_{9}	17.1	X	82.51127	316.43016	23.99447	7.56558	0.1385009	0.30123776	2.2039231	20	—	—
180217 2003 UL_{23}	17.1	X	357.24866	320.45050	23.08162	3.05403	0.1824748	0.29002487	2.2603683	20	11 5.5	19.1
180218 2003 UB_{29}	17.2	X	327.22448	60.18657	40.61837	6.25836	0.0881963	0.29995926	2.2101811	20	—	—
180219 2003 UX_{39}	17.9	X	36.26054	39.83753	69.74550	1.96360	0.0121938	0.31404880	2.1435714	20	—	—
180220 2003 UG_{44}	16.8	X	82.40856	174.73775	0.72316	3.85290	0.0702054	0.27565234	2.3382715	20	6 23.9	19.6
180221 2003 UR_{55}	16.8	X	345.39626	74.07023	342.31656	4.30106	0.0893462	0.29604740	2.2296082	20	—	—
180222 2003 UA_{98}	16.6	X	272.40861	300.78825	96.67058	7.63406	0.1092639	0.28111362	2.3078883	20	8 12.4	19.2
180223 2003 UD_{107}	17.3	X	315.07325	46.33550	31.82715	4.33780	0.1032448	0.29731068	2.2232879	20	—	—
180224 2003 UO_{123}	17.1	X	281.21864	297.03810	220.68757	6.77832	0.0988262	0.30134407	2.2034047	20	—	—
180225 2003 UG_{127}	16.8	X	290.28461	69.72508	43.63475	5.59317	0.0780536	0.29698311	2.2249225	20	—	—
180226 2003 UM_{130}	15.8	X	296.01654	183.63298	255.06893	10.32657	0.0961653	0.23120862	2.6290572	20	11 7.3	18.8
180227 2003 UN_{131}	16.7	X	165.15528	220.28354	317.79027	6.67373	0.0415860	0.28680687	2.2772446	20	10 9.8	19.7
180228 2003 UQ_{135}	17.0	X	76.44389	340.86112	338.10609	4.96461	0.1562858	0.29891034	2.2153487	20	—	—
180229 2003 UZ_{143}	17.4	X	103.16623	16.98051	15.26742	4.41846	0.1355970	0.31262219	2.1500877	20	1 5.5	19.4
180230 2003 UW_{147}	15.9	X	15.29001	281.14137	113.32812	6.58953	0.1346960	0.23959521	2.5673434	20	—	—
180231 2003 UD_{149}	16.6	X	302.84579	185.13154	227.38673	5.87542	0.0812857	0.28935638	2.2638484	20	10 29.9	18.6
180232 2003 UJ_{180}	17.1	X	117.71451	250.33372	122.66427	4.32358	0.1443873	0.31340440	2.1465087	20	—	—
180233 2003 UU_{192}	16.9	X	137.43727	323.98741	8.76407	5.41676	0.0142532	0.30889858	2.1673320	20	—	—
180234 2003 UY_{195}	16.1	X	22.12480	319.66723	76.73465	5.08715	0.1023005	0.24007114	2.5639492	20	—	—
180235 2003 UF_{196}	17.2	X	298.32979	99.80818	289.78230	1.34081	0.1658637	0.28606385	2.2811862	20	9 4.9	19.1
180236 2003 UG_{199}	16.6	X	290.61154	3.41509	43.87663	6.52639	0.1349756	0.28688671	2.2768221	20	9 26.6	18.7
180237 2003 UT_{224}	17.5	X	266.16546	129.32463	343.76890	3.46893	0.1536588	0.29144317	2.2530291	20	11 15.5	19.7
180238 2003 UP_{225}	16.4	X	222.39395	77.40520	26.60331	7.23606	0.2385965	0.27868932	2.3212531	20	8 23.8	20.0
180239 2003 UY_{226}	17.3	X	257.83564	120.39930	326.47333	3.30676	0.1222276	0.28640332	2.2793832	20	9 27.2	20.0
180240 2003 UB_{244}	17.1	X	313.48474	23.25554	14.07277	2.48322	0.1260708	0.28743528	2.2739243	20	10 24.6	19.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
180241 2003 UC_{247}	17.4	X	120.08604	262.41566	68.43433	2.71685	0.1931168	0.30788726	2.1720754	20	—	—
180242 2003 UE_{247}	16.1	X	4.33014	283.57206	83.96897	4.85276	0.1088800	0.23306740	2.6150602	20	11 25.9	19.2
180243 2003 UQ_{252}	17.5	X	355.31699	12.77517	40.56526	2.98736	0.1540731	0.29649594	2.2273590	20	—	—
180244 2003 UN_{254}	17.6	X	21.10221	49.41838	36.01190	5.02883	0.1061415	0.30763048	2.1732840	20	—	—
180245 2003 UN_{259}	16.7	X	238.75848	224.95318	150.09450	2.76219	0.2299943	0.27357048	2.3501192	20	5 12.1	20.3
180246 2003 UO_{261}	17.4	X	288.56191	258.63533	211.59613	5.12236	0.0652408	0.29673474	2.2261638	20	—	—
180247 2003 UY_{263}	17.6	X	107.38883	66.91666	318.72755	4.00686	0.1376580	0.31380328	2.1446893	20	1 2.4	19.5
180248 2003 UX_{265}	17.1	X	253.46574	123.97609	285.09313	1.77925	0.1573870	0.27871411	2.3211155	20	7 21.9	19.9
180249 2003 UH_{274}	16.9	X	338.36352	138.03253	296.17670	5.29332	0.1007117	0.29937665	2.2130477	20	—	—
180250 2003 UG_{281}	16.8	X	329.83946	186.85828	226.06354	6.72225	0.0892340	0.29289727	2.2455660	20	12 19.1	19.0
180251 2003 UM_{283}	16.7	X	243.71621	102.62518	331.41215	5.22226	0.1843986	0.28053642	2.3110529	20	8 10.7	19.6
180252 2003 UU_{283}	17.1	X	35.47102	52.38961	2.65934	4.24898	0.1121173	0.30357250	2.1926085	20	—	—
180253 2003 UO_{314}	17.4	X	295.54492	26.19202	74.29274	4.85334	0.0817433	0.29537067	2.2330124	20	12 30.4	19.4
180254 2003 VY_{1}	17.0	X	44.49981	296.63007	127.67635	2.30859	0.0884577	0.30703149	2.1761096	20	—	—
180255 2003 VM_{9}	17.0	X	276.55141	4.11058	70.39096	5.98061	0.1119544	0.28610896	2.2809464	20	10 15.8	19.3
180256 2003 VE_{10}	16.6	X	27.20256	265.91602	60.95692	7.78324	0.2506327	0.29214007	2.2494446	20	12 10.5	19.3
180257 2003 WM_{3}	16.8	X	317.96940	215.17458	212.24410	5.86753	0.0626793	0.29279744	2.2460764	20	12 18.3	19.1
180258 2003 WT_{5}	17.1	X	295.39661	188.70019	178.83853	2.51238	0.1449452	0.28067525	2.3102908	20	7 27.5	19.4
180259 2003 WN_{8}	16.8	X	54.63490	67.86112	306.23837	5.82634	0.1082046	0.30171051	2.2016203	20	—	—
180260 2003 WG_{12}	17.4	X	333.45784	73.24071	4.34312	6.00182	0.1394897	0.29583330	2.2306838	20	—	—
180261 2003 WA_{15}	17.4	X	303.77035	69.95779	54.24206	3.28141	0.0882855	0.29937404	2.2130605	20	—	—
180262 2003 WH_{18}	17.0	X	285.80420	92.13059	325.16319	6.99945	0.0752982	0.28642274	2.2792802	20	10 4.1	19.5
180263 2003 WR_{19}	17.0	X	27.74820	29.89266	343.30806	4.72251	0.1760167	0.29743423	2.2226722	20	—	—
180264 2003 WK_{24}	16.8	X	174.57016	73.15702	247.82649	4.29291	0.1838008	0.31362325	2.1455100	20	1 4.5	19.8
180265 2003 WC_{27}	13.3	X	223.51741	39.59533	297.52011	6.36578	0.0474711	0.08554080	5.1013740	20	3 29.9	20.4
180266 2003 WQ_{34}	16.8	X	246.55183	6.64653	46.47136	6.06205	0.0620173	0.27811816	2.3244301	20	8 5.0	19.7
180267 2003 WG_{36}	17.5	X	291.59245	19.05261	351.18220	1.35225	0.0938156	0.27953782	2.3165535	20	8 3.3	19.8
180268 2003 WH_{38}	16.6	X	264.51264	72.49596	1.56130	7.16973	0.0684608	0.28371561	2.2937561	20	9 28.2	18.9
180269 2003 WB_{41}	17.0	X	277.94408	4.95039	38.96643	5.49728	0.1584607	0.28204225	2.3028197	20	8 23.9	19.4
180270 2003 WY_{45}	17.2	X	95.31774	71.83128	264.02577	4.74437	0.2264029	0.30399641	2.1905697	20	—	—
180271 2003 WZ_{49}	17.6	X	73.20931	39.15874	3.14610	5.97651	0.1316095	0.30907771	2.1664945	20	—	—
180272 2003 WD_{58}	17.1	X	333.37319	349.61138	48.52065	4.70834	0.1061758	0.29118671	2.2543518	20	12 4.1	19.2
180273 2003 WH_{60}	16.5	X	211.49196	8.84926	68.01069	7.45716	0.0739035	0.27607601	2.3358786	20	7 19.9	19.7
180274 2003 WC_{63}	12.7	X	257.73862	243.07367	55.58034	10.49580	0.0292116	0.08278903	5.2137979	20	4 1.6	19.7
180275 2003 WV_{63}	16.7	X	181.49748	352.49859	244.81577	6.08593	0.0197166	0.29750439	2.2223227	20	—	—
180276 2003 WU_{64}	16.8	X	61.72164	1.74317	339.36792	5.02869	0.1646764	0.29799556	2.2198801	20	—	—
180277 2003 WY_{65}	17.1	X	277.20563	306.25959	119.09238	1.96902	0.1880845	0.28501833	2.2867614	20	9 17.9	19.4
180278 2003 WS_{70}	15.5	X	30.76634	83.77461	328.08330	13.37150	0.1784704	0.24393571	2.5367975	20	—	—
180279 2003 WX_{72}	17.0	X	123.77653	50.04735	306.64623	2.99231	0.1572094	0.31005388	2.1619448	20	—	—
180280 2003 WO_{73}	16.8	X	56.65017	351.70712	352.58126	2.25911	0.2111896	0.29755373	2.2220771	20	—	—
180281 2003 WP_{76}	17.0	X	23.84707	30.84799	329.14009	4.81284	0.1807052	0.29455014	2.2371575	20	—	—
180282 2003 WC_{78}	17.1	X	30.58987	326.70778	3.64429	4.10732	0.0690768	0.29014507	2.2597440	20	11 20.5	19.7
180283 2003 WH_{81}	17.1	X	66.81826	49.33045	333.86393	2.48942	0.0469953	0.30363355	2.1923146	20	—	—
180284 2003 WQ_{86}	17.3	X	40.18847	310.68049	67.53622	5.36593	0.1980164	0.29963300	2.2117852	20	—	—
180285 2003 WC_{90}	17.4	X	255.42157	343.44557	83.59330	0.99499	0.0878480	0.28267659	2.2993733	20	9 1.5	19.9
180286 2003 WT_{90}	17.6	X	317.90458	94.53379	355.31814	3.55421	0.1118138	0.29685599	2.2255576	20	—	—
180287 2003 WX_{94}	16.7	X	293.24197	173.43028	243.15353	6.13007	0.0768883	0.28720243	2.2751532	20	10 17.4	19.2
180288 2003 WH_{102}	16.7	X	186.24204	18.29716	53.55336	3.57186	0.1553488	0.27050520	2.3678397	20	6 8.7	20.4
180289 2003 WO_{104}	17.0	X	70.01497	298.00365	89.10598	2.84380	0.1896750	0.30545135	2.1836080	20	—	—
180290 2003 WH_{109}	16.8	X	217.47615	100.37664	38.32497	5.98864	0.0461155	0.28790159	2.2714683	20	10 27.5	19.6
180291 2003 WZ_{113}	17.3	X	187.29290	183.12048	330.44743	3.70704	0.1213437	0.28317020	2.2967005	20	9 28.8	20.4
180292 2003 WJ_{119}	16.8	X	253.04622	52.40341	41.08671	6.24440	0.1155245	0.28367526	2.2939736	20	10 3.8	19.4
180293 2003 WS_{119}	16.6	X	273.06836	151.92165	275.23461	5.79402	0.1274840	0.28345856	2.2951426	20	9 18.7	19.1
180294 2003 WG_{120}	16.5	X	5.53002	322.60780	22.39349	5.89864	0.1454893	0.28739027	2.2741617	20	11 14.9	18.8
180295 2003 WQ_{120}	16.6	X	354.13991	48.44760	315.40349	3.27893	0.2143660	0.28952748	2.2629564	20	12 6.4	18.7
180296 2003 WM_{127}	16.4	X	55.85220	27.07487	311.23960	6.32107	0.2137806	0.29479303	2.2359285	20	—	—
180297 2003 WW_{127}	15.7	X	223.98489	164.02523	17.72699	14.07245	0.1721858	0.22882932	2.6472498	20	11 27.3	19.7
180298 2003 WG_{129}	17.0	X	173.39517	228.68514	253.87878	2.28047	0.1131122	0.27664523	2.3326733	20	8 3.1	20.3
180299 2003 WP_{130}	17.5	X	223.77077	58.73767	8.39673	1.90799	0.1849579	0.27477397	2.3432520	20	7 8.8	21.1
180300 2003 WY_{132}	16.5	X	239.06712	170.14823	70.46051	8.03483	0.0660633	0.30800138	2.1715389	20	—	—
180301 2003 WE_{139}	15.9	X	359.18892	331.19453	71.01442	5.36135	0.1786627	0.23496242	2.6009806	20	—	—
180302 2003 WR_{139}	16.4	X	223.64453	194.13374	248.55818	4.54785	0.1671695	0.27642451	2.3339149	20	7 29.9	19.9
180303 2003 WQ_{140}	16.4	X	302.80855	131.96839	269.74725	6.17497	0.0948452	0.28466916	2.2886309	20	10 8.1	18.7
180304 2003 WW_{140}	15.9	X	57.27806	288.63321	89.68697	4.66485	0.1764190	0.24130409	2.5552080	20	—	—
180305 2003 WD_{151}	15.4	X	133.19145	239.51178	170.28036	11.93545	0.2684645	0.25567103	2.4585650	20	4 1.5	19.3
180306 2003 WQ_{160}	17.5	X	131.97696	198.33929	102.94175	1.18820	0.1303775	0.30192857	2.2005601	20	—	—
180307 2003 WA_{162}	17.6	X	210.01557	320.38083	192.94919	1.02346	0.0785095	0.28776656	2.2721788	20	11 1.9	20.4
180308 2003 WF_{170}	17.0	X	258.53643	284.77459	158.59653	9.42851	0.1475655	0.28422225	2.2910294	20	9 21.3	19.4
180309 2003 XR	17.0	X	67.28699	45.42263	299.37453	6.52565	0.2490573	0.30017103	2.2091415	20	—	—
180310 2003 XF_{1}	16.6	X	247.97687	35.35669	347.65189	6.09052	0.1272879	0.27506066	2.3416235	20	6 11.5	19.8
180311 2003 XQ_{2}	16.8	X	292.49694	320.71102	94.50211	5.75002	0.1373569	0.28590776	2.2820164	20	10 12.9	18.9
180312 2003 XC_{3}	16.8	X	295.44542	216.80431	187.77199	5.79875	0.1020961	0.28450800	2.2894951	20	10 1.9	18.9
180313 2003 XY_{3}	16.8	X	176.04063	13.89159	100.39530	3.13951	0.1599972	0.27394615	2.3479702	20	7 25.6	20.4
180314 2003 XR_{4}	16.7	X	243.01805	268.21693	189.22398	2.76255	0.1901619	0.28116946	2.3075827	20	9 9.8	19.5
180315 2003 XD_{7}	15.2	X	317.84315	121.72541	7.74906	31.31689	0.2766535	0.23202251	2.6229055	20	—	—
180316 2003 XQ_{7}	16.9	X	289.24134	225.31173	124.89261	5.97311	0.2049016	0.27654916	2.3332135	20	6 10.0	19.5
180317 2003 XS_{7}	16.9	X	57.11374	249.24352	114.71566	7.33150	0.2167315	0.30012668	2.2093591	20	—	—
180318 2003 XE_{12}	17.0	X	354.46838	213.15975	159.71844	3.34211	0.2166036	0.29133474	2.2535881	20	12 22.0	19.1
180319 2003 XR_{21}	16.5	X	307.86981	332.02754	73.71759	8.13084	0.1019055	0.28359403	2.2944116	20	10 29.9	18.6
180320 2003 XA_{26}	17.2	X	31.52666	214.46208	169.51185	4.33595	0.1289067	0.29788921	2.2204084	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
180321 2003 XG_{38}	16.8	X	165.71940	136.69509	2.47828	2.98441	0.1932808	0.27398367	2.3477558	20	8 17.6	20.6
180322 2003 YK_{2}	16.6	X	79.02606	103.37801	255.35054	3.58103	0.2028136	0.30204116	2.2000133	20	—	—
180323 2003 YJ_{4}	16.7	X	41.88826	265.64159	113.64015	6.38415	0.1169824	0.29866901	2.2165419	20	—	—
180324 2003 YQ_{4}	16.5	X	102.49170	346.04606	359.11273	5.81288	0.1990114	0.30305215	2.1951176	20	—	—
180325 2003 YQ_{5}	16.9	X	164.01036	80.65538	23.32621	2.65403	0.1745262	0.26673814	2.3900811	20	6 30.0	20.6
180326 2003 YW_{12}	16.2	X	18.08007	44.67479	345.48670	5.00166	0.1582453	0.29356477	2.2421608	20	—	—
180327 2003 YD_{16}	16.8	X	323.44980	20.55365	23.78471	3.28687	0.1440502	0.28548701	2.2842580	20	11 25.3	18.7
180328 2003 YE_{16}	16.3	X	3.18230	73.33053	320.20340	6.96382	0.1176393	0.28988242	2.2611088	20	—	—
180329 2003 YH_{17}	16.9	X	134.01205	105.20157	347.39565	1.97851	0.1724590	0.26063038	2.4272771	20	5 16.1	20.5
180330 2003 YE_{21}	16.6	X	168.33865	188.85252	309.50687	3.08511	0.0842602	0.27221170	2.3579333	20	8 19.5	19.7
180331 2003 YN_{21}	16.4	X	208.05297	95.14791	293.06700	13.82221	0.0722402	0.26250910	2.4156822	20	5 2.9	20.1
180332 2003 YQ_{21}	16.7	X	205.18375	75.66563	85.30541	3.63076	0.1571908	0.28096172	2.3087201	20	10 27.2	20.0
180333 2003 YE_{29}	16.8	X	264.20807	296.84060	103.64918	7.95356	0.1850467	0.27614189	2.3355071	20	7 20.1	19.5
180334 2003 YN_{30}	17.3	X	239.72495	55.56188	27.19543	2.73377	0.1757375	0.27942590	2.3171720	20	8 19.7	20.2
180335 2003 YC_{33}	16.7	X	253.71753	246.48402	165.75308	6.60328	0.0913127	0.27852562	2.3221625	20	8 5.4	19.6
180336 2003 YO_{34}	16.8	X	320.16792	320.20275	33.50105	3.06754	0.1906557	0.28160160	2.3052214	20	8 24.3	18.3
180337 2003 YZ_{35}	16.9	X	227.77084	254.29078	216.57024	1.58346	0.1534029	0.27888393	2.3201731	20	9 14.2	20.0
180338 2003 YS_{37}	16.8	X	205.92722	15.24124	221.54509	2.01135	0.1155252	0.30215721	2.1994499	20	—	—
180339 2003 YJ_{42}	17.2	X	109.34558	311.89931	223.54590	0.71604	0.1197988	0.26746239	2.3857645	20	8 4.3	20.5
180340 2003 YN_{47}	16.5	X	315.50467	42.67263	63.79297	5.63308	0.1306232	0.23605747	2.5929305	20	—	—
180341 2003 YQ_{55}	16.6	X	219.71596	282.95286	99.01997	2.95731	0.1595757	0.26885457	2.3775214	20	5 8.0	20.2
180342 2003 YH_{58}	16.3	X	93.02859	14.17180	115.33661	3.56892	0.1312005	0.26035011	2.4290188	20	5 14.7	19.3
180343 2003 YX_{60}	16.5	X	206.81405	58.88103	95.21078	7.05970	0.0704803	0.28290997	2.2981086	20	11 1.8	19.5
180344 2003 YB_{61}	16.2	X	334.94009	170.63564	256.96296	2.26101	0.1445411	0.29209069	2.2496981	20	—	—
180345 2003 YE_{63}	16.6	X	246.67387	298.03858	107.22897	5.74890	0.1128166	0.27197194	2.3593189	20	7 13.9	19.6
180346 2003 YA_{64}	16.2	X	72.28957	302.88436	283.35702	5.59592	0.0782247	0.27160934	2.3614182	20	8 20.8	19.1
180347 2003 YK_{65}	16.8	X	211.16354	335.64540	112.51792	6.49288	0.2262722	0.27274157	2.3548784	20	7 20.7	20.3
180348 2003 YS_{68}	16.7	X	171.66382	162.84141	287.64248	5.54185	0.0752362	0.26555021	2.3972038	20	6 18.7	20.1
180349 2003 YW_{71}	17.0	X	109.53171	149.28214	346.13346	3.14085	0.0742303	0.26563618	2.3966865	20	6 3.6	20.1
180350 2003 YR_{73}	15.9	X	232.14705	352.12531	67.24408	2.63558	0.0600767	0.21308546	2.7760898	20	7 18.9	19.9
180351 2003 YV_{73}	17.2	X	142.89079	107.44152	27.71181	1.91662	0.1247210	0.27068688	2.3667801	20	7 19.3	20.7
180352 2003 YD_{75}	16.9	X	265.09471	88.78401	303.66949	4.62980	0.1922020	0.27731414	2.3289208	20	7 8.6	19.9
180353 2003 YG_{75}	16.6	X	137.09903	216.65757	303.96472	5.15045	0.1173488	0.27262092	2.3555732	20	8 14.9	20.0
180354 2003 YL_{76}	16.8	X	284.92389	30.72442	70.54418	5.34227	0.0958255	0.28869669	2.2672958	20	12 9.4	18.8
180355 2003 YK_{78}	16.7	X	306.27175	52.21473	309.91058	5.16436	0.0274855	0.27572592	2.3378555	20	8 21.7	19.3
180356 2003 YO_{82}	17.1	X	316.48389	341.01534	39.15206	2.93623	0.2132206	0.28358521	2.2944592	20	9 29.7	18.2
180357 2003 YM_{84}	16.4	X	201.64177	333.65066	112.44481	6.14490	0.1567911	0.27311926	2.3527069	20	7 13.3	19.8
180358 2003 YA_{85}	16.8	X	259.06293	265.41732	123.48921	5.01881	0.2292877	0.27675513	2.3320557	20	6 20.1	19.9
180359 2003 YQ_{85}	17.1	X	118.39611	355.74137	167.31775	3.75525	0.1783458	0.26892619	2.3770993	20	8 2.3	20.7
180360 2003 YJ_{91}	16.5	X	275.89675	221.80547	217.81950	5.18203	0.1329755	0.28468436	2.2885495	20	10 15.1	18.8
180361 2003 YS_{93}	16.6	X	218.23346	2.25959	94.99380	5.59084	0.0996458	0.27623653	2.3349736	20	8 24.1	19.7
180362 2003 YA_{94}	16.6	X	211.18085	84.09782	318.62032	6.51252	0.1983866	0.26686138	2.3893452	20	5 22.3	20.5
180363 2003 YZ_{94}	16.7	X	314.39590	252.61199	87.71218	10.15276	0.2508770	0.28110265	2.3079484	20	7 4.2	18.2
180364 2003 YG_{106}	17.0	X	248.25706	103.15286	330.24140	3.77230	0.1202249	0.27777927	2.3263202	20	8 24.7	19.8
180365 2003 YZ_{106}	17.3	X	208.56937	270.81148	171.75800	2.66441	0.2055443	0.27160231	2.3614590	20	7 11.8	20.9
180366 2003 YA_{109}	15.8	X	172.60502	198.74794	95.91028	15.98096	0.0812092	0.24446171	2.5331573	20	—	—
180367 Vonfeldt	16.1	X	315.06325	207.46883	260.74710	7.09366	0.1377891	0.23422902	2.6064071	20	—	—
180368 2003 YB_{111}	17.1	X	210.67934	265.90434	118.69311	3.30136	0.1777535	0.26419861	2.4053726	20	5 2.4	20.8
180369 2003 YQ_{111}	17.2	X	59.98968	41.07196	326.09594	5.78478	0.2066833	0.30090529	2.2055462	20	—	—
180370 2003 YB_{120}	16.5	X	18.76704	234.47298	326.50054	5.26820	0.0689268	0.25859351	2.4400064	20	4 17.6	19.3
180371 2003 YW_{122}	16.2	X	206.67549	176.48217	55.25839	5.52546	0.1322328	0.29772666	2.2212166	20	—	—
180372 2003 YH_{125}	16.8	X	335.01981	45.54463	333.56565	5.44222	0.1819169	0.28867556	2.2674064	20	11 12.9	18.6
180373 2003 YJ_{125}	16.5	X	259.22831	77.46286	343.72784	6.30098	0.1030740	0.28059734	2.3107183	20	8 26.9	19.2
180374 2003 YW_{127}	16.8	X	264.05016	81.91099	23.46838	5.80593	0.1153226	0.28406481	2.2918759	20	11 4.5	19.2
180375 2003 YH_{129}	16.6	X	339.02335	33.33225	2.56506	6.14801	0.2920170	0.28843829	2.2686497	20	—	—
180376 2003 YC_{131}	17.2	X	327.40810	65.95041	328.68092	4.79133	0.1802891	0.28663303	2.2781653	20	11 20.6	18.9
180377 2003 YC_{134}	16.9	X	276.28431	35.42962	343.48920	5.82953	0.2006811	0.27464901	2.3439627	20	7 3.7	19.7
180378 2003 YE_{134}	16.6	X	83.68923	172.04228	13.79805	5.19998	0.1472509	0.26394337	2.4069231	20	7 23.7	19.8
180379 2003 YR_{136}	16.9	X	250.95412	257.82863	126.00684	2.96217	0.2371917	0.27158714	2.3615469	20	6 3.4	20.3
180380 2003 YO_{139}	16.4	X	347.52187	46.06971	342.99078	7.86693	0.1612125	0.29192756	2.2505361	20	12 25.0	18.7
180381 2003 YG_{140}	17.2	X	132.72316	45.82358	71.22695	3.41621	0.1435617	0.26441858	2.4040384	20	6 14.4	20.7
180382 2003 YV_{144}	16.4	X	79.23530	338.96006	340.98045	6.65433	0.1366585	0.28944523	2.2633851	20	—	—
180383 2003 YJ_{146}	15.9	X	149.42106	172.98954	38.17563	8.73853	0.1788527	0.27694139	2.3310100	20	11 2.1	19.6
180384 2003 YF_{147}	16.0	X	74.71139	178.07585	342.50306	9.82425	0.2052709	0.26194166	2.4191697	20	6 12.5	19.2
180385 2003 YJ_{151}	15.5	X	132.94989	170.95475	11.36573	14.15448	0.1069548	0.21119178	2.7926599	20	9 7.2	19.9
180386 2003 YS_{153}	16.5	X	340.71606	20.60163	4.36354	10.66471	0.2103637	0.28699274	2.2762613	20	12 9.0	18.5
180387 2003 YQ_{168}	16.6	X	244.68926	39.21659	46.70268	5.23378	0.0622488	0.27995846	2.3142325	20	9 19.3	19.3
180388 2003 YU_{171}	16.6	X	255.59516	25.21429	335.09022	6.78126	0.1168828	0.26749575	2.3855661	20	5 20.1	20.0
180389 2004 AD_{2}	17.1	X	142.71318	55.62559	84.61183	1.67099	0.1493932	0.26729409	2.3867658	20	7 26.7	20.7
180390 2004 AM_{7}	16.4	X	165.00752	356.15733	113.79839	7.20537	0.0613189	0.26618934	2.3933650	20	7 7.4	19.7
180391 2004 AO_{7}	16.2	X	121.36966	212.38589	323.24223	6.64156	0.0567870	0.26876806	2.3780316	20	8 13.6	19.3
180392 2004 AQ_{7}	16.6	X	83.10716	277.85782	266.86962	1.40498	0.1213466	0.26296988	2.4128596	20	7 15.6	19.7
180393 2004 AC_{10}	17.4	X	139.02802	139.69467	34.84439	1.75454	0.1235392	0.27168699	2.3609683	20	9 6.3	20.9
180394 2004 AG_{10}	16.5	X	307.03896	70.70002	302.05676	5.24233	0.1656791	0.27737461	2.3285823	20	8 23.9	18.5
180395 2004 AH_{13}	17.0	X	141.91001	25.36923	109.21788	4.36688	0.0264627	0.26771469	2.3842653	20	7 10.9	19.8
180396 2004 BK_{2}	17.2	X	136.54274	7.10202	156.25762	1.56049	0.1204303	0.26933144	2.3747142	20	8 18.5	20.8
180397 2004 BB_{5}	17.1	X	206.50754	358.32446	94.41744	3.52690	0.1527839	0.27118827	2.3638620	20	7 28.0	20.7
180398 2004 BC_{10}	16.7	X	171.69809	124.54407	335.06827	6.32168	0.0682738	0.26534734	2.3984254	20	7 2.1	20.0
180399 2004 BN_{11}	17.1	X	151.59630	244.80993	172.56198	1.97533	0.1643624	0.25809248	2.4431632	20	4 18.5	20.9
180400 2004 BD_{12}	17.1	X	119.55269	177.96387	341.46722	2.63455	0.0399000	0.26631930	2.3925863	20	7 17.8	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
180401 2004 BT_{19}	16.4	X	140.75231	6.31909	56.36439	8.66248	0.2468313	0.25654459	2.4529807	20	4 22.7	20.4
180402 2004 BR_{20}	16.7	X	104.34290	200.70315	350.25883	5.47491	0.1289910	0.26885473	2.3775204	20	8 22.2	20.0
180403 2004 BC_{24}	16.5	X	182.24275	329.76804	129.60994	5.27119	0.1008718	0.26861249	2.3789496	20	7 12.6	19.8
180404 2004 BT_{27}	16.7	X	123.59138	114.28564	58.69414	2.10796	0.1262564	0.26742614	2.3859800	20	8 18.8	20.3
180405 2004 BG_{28}	17.0	X	143.88410	351.92055	80.76637	2.37325	0.1738410	0.25802480	2.4435904	20	5 1.5	20.6
180406 2004 BJ_{29}	16.1	X	124.44103	225.36155	10.08386	3.21410	0.1740839	0.27566399	2.3382056	20	11 9.3	19.7
180407 2004 BA_{32}	16.9	X	108.96532	183.79823	11.14542	2.38855	0.1602497	0.26858003	2.3791413	20	9 3.9	20.4
180408 2004 BV_{36}	16.8	X	148.01636	47.75341	99.28873	2.28752	0.1254665	0.26845556	2.3798766	20	8 9.7	20.2
180409 2004 BX_{37}	16.3	X	103.16356	233.30833	325.26509	6.54678	0.0568289	0.26779341	2.3837981	20	8 21.7	19.3
180410 2004 BT_{42}	16.1	X	50.96082	309.40527	124.33319	14.22602	0.1318993	0.24129972	2.5552388	20	—	—
180411 2004 BY_{43}	16.6	X	179.67820	121.76958	341.07476	8.78470	0.0797005	0.26551227	2.3974321	20	7 17.2	20.1
180412 2004 BY_{44}	16.6	X	129.65227	115.84056	123.61251	7.03192	0.0619967	0.28277801	2.2988235	20	11 22.5	19.8
180413 2004 BO_{46}	16.0	X	110.80475	343.38184	150.14658	8.04055	0.1154902	0.26017804	2.4300896	20	6 9.8	19.5
180414 2004 BR_{46}	16.5	X	82.58574	292.07925	255.37301	2.21394	0.1774242	0.26185617	2.4196962	20	7 26.5	19.8
180415 2004 BZ_{46}	16.2	X	134.32587	207.89417	280.96449	5.72619	0.0453263	0.26562313	2.3967650	20	6 24.1	19.3
180416 2004 BT_{50}	16.4	X	60.42591	85.43005	132.69567	13.91196	0.2354091	0.26179288	2.4200862	20	8 20.4	19.4
180417 2004 BH_{56}	16.3	X	107.85116	340.39066	165.89671	4.23237	0.1819272	0.26031563	2.4292333	20	6 30.3	19.8
180418 2004 BW_{57}	16.0	X	312.31858	346.58649	145.04012	10.54520	0.0829068	0.23120195	2.6291077	20	—	—
180419 2004 BO_{70}	17.2	X	143.97134	136.31940	351.37313	2.98906	0.1407911	0.26491005	2.4010641	20	7 10.9	20.7
180420 2004 BZ_{72}	15.9	X	84.17056	270.96504	290.73929	9.67784	0.2016294	0.26429488	2.4047885	20	8 17.4	19.5
180421 2004 BT_{73}	16.3	X	144.25912	272.60652	207.12173	3.17283	0.0219402	0.26432991	2.4045760	20	6 22.3	19.3
180422 2004 BO_{75}	16.0	X	314.95687	222.73333	226.05028	11.91554	0.1434036	0.22839590	2.6505979	20	12 22.3	18.9
180423 2004 BQ_{75}	16.3	X	96.00224	151.15865	330.13688	14.35877	0.0977242	0.25523744	2.4613486	20	4 23.3	19.8
180424 2004 BJ_{78}	17.0	X	247.66575	309.94066	70.32131	2.37472	0.2081561	0.26835924	2.3804461	20	5 29.0	20.6
180425 2004 BL_{78}	17.2	X	334.55289	57.48390	112.74591	4.45482	0.1187559	0.24244874	2.5471592	20	—	—
180426 2004 BK_{81}	17.0	X	181.49294	227.09745	196.43923	2.27271	0.1472243	0.26308052	2.4121830	20	5 24.7	20.7
180427 2004 BQ_{82}	15.3	X	127.32409	63.45835	83.93951	6.18994	0.1013443	0.20198871	2.8768551	20	7 13.4	19.6
180428 2004 BR_{83}	16.3	X	152.78941	324.05625	172.18237	6.65998	0.0491556	0.26743072	2.3859528	20	7 27.3	19.6
180429 2004 BY_{84}	17.0	X	158.20898	51.88254	131.86318	2.97471	0.1532029	0.27433340	2.3457601	20	10 8.3	20.5
180430 2004 BF_{93}	15.8	X	233.81422	186.71490	189.67928	12.25949	0.2627417	0.26547039	2.3976842	20	5 8.1	19.9
180431 2004 BR_{96}	16.8	X	121.20251	267.67381	286.62057	1.34587	0.0470787	0.27109368	2.3644118	20	9 7.0	20.0
180432 2004 BB_{97}	16.4	X	34.78511	258.75616	310.17803	3.58244	0.0170799	0.25961017	2.4336321	20	5 23.0	19.3
180433 2004 BD_{99}	15.6	X	289.90477	322.47425	4.21705	12.22226	0.2212732	0.25556747	2.4592292	20	4 30.3	19.0
180434 2004 BV_{101}	16.0	X	60.13460	116.41099	137.80595	5.49250	0.1964779	0.26711895	2.3878090	20	10 4.5	19.2
180435 2004 BD_{104}	16.4	X	81.12346	54.90936	106.55138	6.56642	0.1355097	0.25691689	2.4506104	20	6 12.4	19.4
180436 2004 BA_{106}	16.4	X	26.62120	152.98590	66.96167	4.24636	0.1492233	0.25844930	2.4409140	20	6 9.4	18.7
180437 2004 BJ_{106}	16.4	X	85.61197	87.87454	102.71094	5.57873	0.1712797	0.26296915	2.4128640	20	8 4.2	19.7
180438 2004 BY_{106}	16.4	X	103.39039	114.91157	95.14446	4.63774	0.0886357	0.27157191	2.3616352	20	9 13.6	19.6
180439 2004 BN_{107}	16.8	X	96.69047	142.08656	25.17852	5.31926	0.1396210	0.26150603	2.4218556	20	7 12.3	20.1
180440 2004 BQ_{107}	16.4	X	83.14748	143.93204	53.84172	6.81815	0.0609153	0.26440770	2.4041044	20	7 27.1	19.5
180441 2004 BA_{109}	16.2	X	47.11213	191.56252	69.60545	8.22223	0.0841283	0.26804137	2.3823277	20	9 11.8	19.2
180442 2004 BC_{109}	16.8	X	12.61810	201.69746	30.38340	1.58613	0.1428325	0.25790171	2.4443679	20	5 29.6	19.0
180443 2004 BL_{113}	15.6	X	350.50164	316.95795	192.63922	13.00592	0.1995719	0.24212621	2.5494207	20	—	—
180444 2004 BY_{113}	16.7	X	121.39880	61.38043	173.19230	3.16913	0.1294308	0.27590968	2.3368173	20	11 6.1	20.3
180445 2004 BG_{116}	16.4	X	98.31534	143.54871	84.80339	7.50076	0.0684166	0.27335279	2.3513667	20	10 2.4	19.6
180446 2004 BH_{116}	16.4	X	146.77413	342.51511	71.87132	5.04101	0.1707477	0.25696026	2.4503347	20	4 12.1	20.1
180447 2004 BJ_{118}	16.1	X	35.93700	337.11385	217.38773	5.47582	0.1821724	0.25549011	2.4597256	20	5 24.4	18.2
180448 2004 BQ_{124}	16.5	X	95.59792	182.02916	105.41603	6.29023	0.1651983	0.28354060	2.2946998	20	12 19.6	19.9
180449 2004 BG_{128}	17.1	X	5.98453	101.58810	133.13005	2.17461	0.1456824	0.25835449	2.4415112	20	5 20.4	19.3
180450 2004 BK_{142}	16.8	X	310.52624	46.52676	12.09575	9.46271	0.1905284	0.28615933	2.2806787	20	11 17.9	18.4
180451 2004 BR_{146}	17.2	X	120.34336	170.58481	354.97170	2.63162	0.1216723	0.26561013	2.3968432	20	8 4.5	20.6
180452 2004 BB_{148}	16.7	X	93.79815	231.19525	327.70731	5.90152	0.0552709	0.26981400	2.3718819	20	8 10.5	19.5
180453 2004 BR_{149}	16.7	X	345.02840	234.54428	20.27851	0.42920	0.1706054	0.25802333	2.4435997	20	5 4.1	18.6
180454 2004 BH_{150}	16.8	X	66.81166	52.94399	97.54532	5.65552	0.0953006	0.25592427	2.4569429	20	5 1.6	19.7
180455 2004 BZ_{162}	16.8	X	46.33260	352.32612	233.63128	4.08733	0.1359803	0.26364139	2.4087607	20	7 22.5	19.4
180456 2004 CN	15.9	X	105.52572	88.98748	43.96092	24.00888	0.2344224	0.25842432	2.4410713	20	6 11.2	19.9
180457 2004 CQ_{2}	16.6	X	92.79439	86.24368	119.40926	3.11599	0.1137448	0.26586855	2.3952899	20	8 26.3	19.9
180458 2004 CJ_{4}	17.1	X	180.76263	63.30910	16.17880	2.55294	0.1697165	0.26482192	2.4015968	20	6 13.2	20.9
180459 2004 CY_{5}	16.9	X	118.43633	336.95164	128.20009	3.14990	0.1523282	0.25691334	2.4506330	20	5 15.7	20.4
180460 2004 CD_{13}	16.4	X	21.86756	119.83386	323.11416	11.91374	0.1630677	0.23758792	2.5817834	20	—	—
180461 2004 CB_{17}	17.5	X	147.29025	314.20175	112.07218	2.10177	0.1600466	0.25601797	2.4563434	20	4 25.9	21.2
180462 2004 CV_{17}	17.0	X	218.57311	52.72514	5.20682	3.50991	0.1930465	0.26782883	2.3835879	20	6 20.0	20.6
180463 2004 CQ_{18}	17.0	X	143.72663	35.46860	83.62217	3.95240	0.1365720	0.26276739	2.4140990	20	6 28.4	20.7
180464 2004 CZ_{21}	16.7	X	316.53349	225.25574	158.61939	7.31407	0.1274658	0.27721405	2.3294813	20	10 9.4	18.7
180465 2004 CT_{26}	15.9	X	323.70693	224.44863	325.07051	14.74722	0.1081226	0.24126161	2.5555080	20	1 10.2	19.3
180466 2004 CW_{26}	16.7	X	174.70775	336.52528	151.49880	1.46774	0.1185707	0.26837558	2.3803494	20	8 11.8	20.1
180467 2004 CC_{27}	17.0	X	89.24295	355.90264	148.42412	2.51553	0.1312659	0.25641132	2.4538307	20	5 29.8	20.2
180468 2004 CS_{27}	17.2	X	94.66581	146.47931	48.28753	1.99974	0.1323228	0.26614361	2.3936392	20	8 16.0	20.5
180469 2004 CV_{36}	16.2	X	299.29068	9.25090	165.50996	11.48309	0.1108714	0.23454427	2.6040711	20	—	—
180470 2004 CH_{40}	16.3	X	121.30192	14.75728	179.29525	3.97882	0.2191483	0.26752978	2.3853638	20	9 17.0	20.3
180471 2004 CH_{43}	16.2	X	183.69092	193.12646	115.25187	7.58874	0.0705449	0.24011034	2.5636701	20	1 1.1	20.0
180472 2004 CN_{46}	16.9	X	70.55636	280.65528	0.22617	5.41678	0.1897105	0.27413278	2.3469044	20	11 15.9	20.5
180473 2004 CG_{51}	17.0	X	135.51089	309.01615	191.78852	4.04213	0.1046905	0.26399893	2.4065853	20	7 15.9	20.5
180474 2004 CU_{52}	16.9	X	35.41348	130.76971	323.52669	16.36177	0.1549033	0.24302206	2.5431516	20	—	—
180475 2004 CX_{52}	16.6	X	70.15041	171.00827	17.56478	3.74527	0.1277093	0.26104791	2.4246882	20	7 4.6	19.5
180476 2004 CG_{54}	16.7	X	16.08433	270.69229	11.51724	2.41094	0.1740679	0.26320856	2.4114007	20	8 31.9	18.8
180477 2004 CF_{56}	16.4	X	8.12251	66.69950	165.67942	7.92610	0.1663655	0.25353697	2.4723418	20	5 23.6	18.6
180478 2004 CQ_{61}	16.4	X	138.95745	28.11102	84.11205	5.25541	0.1368996	0.26177119	2.4202198	20	6 14.1	19.9
180479 2004 CB_{63}	15.8	X	185.89497	238.69377	352.42265	14.91323	0.1063720	0.22570734	2.6716051	20	12 28.5	20.0
180480 2004 CU_{67}	16.5	X	3.15346	74.49784	129.92199	8.32884	0.0813747	0.25129199	2.4870448	20	4 3.5	19.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
180481 2004 CE_{68}	16.4	X	250.00825	258.01382	141.62930	7.77701	0.1912274	0.27213359	2.3583845	20	6 29.1	19.8
180482 2004 CO_{69}	15.9	X	270.17313	84.39773	122.95063	14.39196	0.0872362	0.23528787	2.5985816	20	—	—
180483 2004 CP_{69}	16.4	X	217.69096	93.19914	13.74276	6.80379	0.0730602	0.27250955	2.3562149	20	9 8.9	19.4
180484 2004 CJ_{71}	16.4	X	232.93928	131.52330	133.52955	5.50662	0.1435960	0.23877672	2.5732070	20	—	—
180485 2004 CP_{72}	16.4	X	28.89234	123.62200	101.86111	7.03011	0.0846379	0.25860808	2.4399147	20	6 15.2	19.0
180486 2004 CO_{73}	16.8	X	75.71598	144.44201	85.73019	3.28876	0.1684088	0.26592053	2.3949777	20	9 16.3	20.1
180487 2004 CW_{75}	17.3	X	80.51021	2.14902	148.02354	4.93097	0.1383420	0.25689093	2.4507756	20	5 27.7	20.4
180488 2004 CK_{76}	16.8	X	44.52094	343.27039	225.97870	1.84962	0.1314006	0.25803034	2.4435554	20	6 24.2	19.3
180489 2004 CJ_{78}	16.7	X	115.56253	77.05855	126.69781	2.07814	0.1264647	0.26884301	2.3775896	20	9 20.1	20.0
180490 2004 CM_{78}	17.1	X	144.94489	104.49379	339.55311	2.12711	0.1590805	0.25817384	2.4426499	20	5 14.9	20.8
180491 2004 CM_{79}	16.9	X	161.55075	99.49932	23.93266	1.65097	0.1236378	0.26509879	2.3999244	20	7 23.0	20.4
180492 2004 CX_{79}	17.2	X	143.24276	64.75123	65.82296	2.18669	0.1335757	0.26293626	2.4130652	20	7 13.3	20.7
180493 2004 CK_{81}	16.6	X	66.35883	212.47711	25.62669	1.72929	0.1258264	0.26623994	2.3930618	20	9 8.3	19.5
180494 2004 CP_{82}	16.9	X	94.33252	36.52329	182.43793	1.06292	0.1371069	0.26766579	2.3845557	20	9 17.0	20.3
180495 2004 CL_{84}	16.6	X	186.83687	246.44225	142.57425	7.61377	0.2816076	0.25962088	2.4335651	20	4 18.9	21.1
180496 2004 CQ_{84}	16.8	X	38.97471	47.88422	156.60330	2.21496	0.1343187	0.25649864	2.4532737	20	6 7.7	19.3
180497 2004 CT_{86}	16.3	X	292.66228	50.36153	178.48299	9.24743	0.1367910	0.24079828	2.5587850	20	1 13.3	20.0
180498 2004 CC_{90}	17.4	X	2.69379	341.48452	260.55424	2.65020	0.1660680	0.25543257	2.4600949	20	5 24.3	19.3
180499 2004 CM_{90}	16.5	X	102.48677	253.61576	239.41619	5.81896	0.0563113	0.25729961	2.4481797	20	5 19.7	19.7
180500 2004 CT_{91}	16.3	X	293.43618	285.14856	311.61403	15.11926	0.2392237	0.24104924	2.5570087	20	1 14.7	20.1
180501 2004 CK_{92}	16.5	X	89.72528	28.99999	175.07852	12.11411	0.1594092	0.26413973	2.4057300	20	8 23.2	20.0
180502 2004 CT_{93}	16.7	X	36.72369	269.04764	344.90016	2.74515	0.1419043	0.26240423	2.4163258	20	8 20.2	19.1
180503 2004 CA_{99}	16.4	X	31.31387	129.53350	338.35635	13.07018	0.1958863	0.24124316	2.5556382	20	1 4.3	18.8
180504 2004 CR_{99}	16.0	X	169.80921	136.33547	107.76856	4.08466	0.0426636	0.22301034	2.6931015	20	12 30.1	19.7
180505 2004 CM_{100}	15.9	X	1.64372	177.43935	116.56181	5.75860	0.1051389	0.26265884	2.4147640	20	8 13.4	18.2
180506 2004 CD_{101}	15.6	X	56.00084	273.70971	169.75488	9.45031	0.0253354	0.23713156	2.5850948	20	1 6.6	19.1
180507 2004 CA_{118}	17.0	X	131.69071	182.47934	263.43201	1.67270	0.1692744	0.25744761	2.4472414	20	5 4.9	20.6
180508 2004 CT_{130}	16.7	X	337.50848	276.57147	6.65297	2.50985	0.1740999	0.25787513	2.4445359	20	6 1.9	18.7
180509 2004 DZ_{2}	16.5	X	17.23731	134.42608	125.70789	3.83815	0.1733921	0.25924644	2.4359078	20	7 28.2	18.7
180510 2004 DH_{5}	16.7	X	246.90464	73.80795	5.41025	5.30333	0.1312610	0.27515489	2.3410888	20	8 30.8	19.5
180511 2004 DC_{10}	16.1	X	339.22621	266.62503	9.55098	6.59784	0.1213330	0.25711983	2.4493208	20	5 29.2	18.7
180512 2004 DX_{15}	16.2	X	245.26992	110.92590	129.54647	6.02711	0.1121795	0.23453419	2.6041457	20	—	—
180513 2004 DV_{17}	17.2	X	119.36233	339.64485	135.02694	1.86625	0.1469986	0.25695022	2.4503985	20	5 28.2	20.7
180514 2004 DB_{21}	15.7	X	190.81290	112.64520	124.76236	12.03596	0.2621645	0.22221695	2.6995079	20	12 25.6	20.4
180515 2004 DB_{26}	16.8	X	192.39285	78.66262	342.45513	6.89871	0.1137971	0.26274512	2.4142354	20	5 31.4	20.5
180516 2004 DL_{30}	16.9	X	125.15061	101.33962	41.63572	3.11836	0.1484150	0.26160919	2.4212189	20	7 12.0	20.4
180517 2004 DX_{30}	16.9	X	128.14979	115.23657	337.01385	6.39140	0.0800550	0.25548515	2.4597574	20	4 27.4	20.4
180518 2004 DP_{32}	16.6	X	337.74846	171.98210	115.67590	2.16405	0.1545841	0.25785214	2.4446811	20	6 12.5	18.6
180519 2004 DZ_{32}	15.9	X	341.28599	273.01378	34.43237	2.48806	0.2014418	0.26071874	2.4267286	20	7 23.3	17.5
180520 2004 DA_{33}	16.5	X	60.46771	29.93236	74.00568	2.06352	0.1420151	0.24494211	2.5298440	20	2 21.3	19.0
180521 2004 DJ_{35}	16.2	X	309.29437	325.59433	213.14488	5.77021	0.1097522	0.23732792	2.5836687	20	—	—
180522 2004 DS_{36}	15.9	X	34.34071	28.39852	170.95051	10.85739	0.1263315	0.25304003	2.4755777	20	5 23.3	18.7
180523 2004 DR_{38}	16.2	X	206.07049	186.15553	75.28521	2.38046	0.0414109	0.23306129	2.6151059	20	—	—
180524 2004 DK_{39}	16.9	X	233.93462	73.13466	348.09497	3.48262	0.1482843	0.26903401	2.3764641	20	7 16.1	20.2
180525 2004 DN_{42}	16.1	X	288.89175	36.67068	147.64331	8.21611	0.1488987	0.23142871	2.6273901	20	—	—
180526 2004 DB_{45}	16.8	X	139.15105	69.15700	358.33568	11.47232	0.3171097	0.25513666	2.4619967	20	4 26.1	21.2
180527 2004 DL_{47}	16.7	X	344.99902	289.86427	222.92687	5.20619	0.1125078	0.23904289	2.5712965	20	—	—
180528 2004 DJ_{48}	15.8	X	43.54221	312.98989	172.99970	14.83051	0.0470879	0.24161605	2.5530081	20	2 13.1	19.0
180529 2004 DS_{48}	16.5	X	350.01380	117.36240	340.64360	14.89599	0.1826646	0.23261564	2.6184449	20	—	—
180530 2004 DV_{51}	16.8	X	111.62071	313.19762	142.97175	6.26651	0.1836493	0.25223646	2.4808327	20	5 1.4	20.4
180531 2004 DK_{55}	16.2	X	136.03814	164.60748	159.97389	7.54342	0.1338969	0.23346609	2.6120823	20	—	—
180532 2004 DU_{59}	16.5	X	286.52668	88.94103	150.86398	15.87913	0.1131862	0.24040172	2.5615981	20	1 23.4	20.2
180533 2004 DO_{70}	16.9	X	36.83435	340.65269	118.88117	1.24215	0.0954253	0.23917816	2.5703269	20	1 1.9	19.8
180534 2004 DE_{74}	16.2	X	148.57583	192.30179	156.35051	15.25783	0.1185993	0.23983591	2.5656254	20	1 16.2	20.1
180535 2004 DE_{77}	15.9	X	284.73003	21.38506	122.16405	12.00366	0.1254781	0.22514349	2.6760637	20	—	—
180536 2004 EV	16.1	X	308.01707	255.03839	337.63984	27.56215	0.2072806	0.24088748	2.5581533	20	2 5.6	19.8
180537 2004 EB_{1}	15.7	X	67.85897	224.37445	185.43394	14.88459	0.1074262	0.23346022	2.6121260	20	—	—
180538 2004 EA_{5}	16.6	X	312.50885	177.99475	15.20008	3.65453	0.0557190	0.23824404	2.5770412	20	1 6.2	20.0
180539 2004 EJ_{8}	16.6	X	267.30679	44.86184	186.74944	14.16591	0.1442557	0.23406565	2.6076197	20	—	—
180540 2004 EY_{9}	14.8	X	279.62162	322.85600	346.79747	15.92647	0.2116327	0.19014737	2.9950851	20	3 30.8	19.5
180541 2004 ES_{10}	16.5	X	359.18580	95.40248	61.41948	3.09173	0.0814172	0.23979596	2.5659103	20	1 20.4	19.6
180542 2004 ER_{11}	16.4	X	4.83593	80.19381	67.32925	6.13029	0.0725951	0.24040318	2.5615878	20	1 17.5	19.4
180543 2004 EY_{14}	16.3	X	47.92623	13.20890	93.33423	7.79008	0.1396105	0.24248831	2.5468821	20	2 3.0	18.8
180544 2004 ET_{15}	17.1	X	81.48586	272.53247	258.69791	1.59904	0.1506411	0.25766826	2.4458441	20	6 28.7	20.3
180545 2004 EJ_{16}	16.5	X	302.09002	174.91574	66.14308	4.69274	0.0871592	0.24313324	2.5423763	20	2 19.7	19.9
180546 2004 ED_{17}	16.2	X	46.23626	50.71300	46.76557	10.18742	0.1972814	0.24058602	2.5602898	20	1 23.5	18.6
180547 2004 EO_{17}	16.2	X	318.36782	48.55569	118.79490	8.39521	0.1436107	0.23401799	2.6079738	20	—	—
180548 2004 EQ_{17}	16.0	X	133.39692	241.19444	62.13445	10.75384	0.0427532	0.22397155	2.6853907	20	—	—
180549 2004 EV_{19}	16.2	X	342.14306	80.39894	80.22321	13.61302	0.0979846	0.23786257	2.5797957	20	—	—
180550 2004 EX_{20}	15.7	X	351.48230	55.28492	50.52122	31.59546	0.2577236	0.23131864	2.6282235	20	—	—
180551 2004 EE_{22}	16.6	X	51.56182	6.40974	120.74992	5.92147	0.1126761	0.24553777	2.5257509	20	3 7.5	19.3
180552 2004 EB_{24}	16.4	X	158.98415	86.92081	356.73059	6.73154	0.0930577	0.25619545	2.4552089	20	5 24.3	20.0
180553 2004 ED_{24}	16.1	X	325.80563	333.41472	176.77687	7.86078	0.0888302	0.23403571	2.6078421	20	—	—
180554 2004 EH_{24}	16.7	X	357.73474	64.53345	101.19464	5.73027	0.1699522	0.24162067	2.5529756	20	1 19.5	19.3
180555 2004 ER_{25}	15.8	X	330.13622	112.94544	195.72183	6.78399	0.1472159	0.25994183	2.4315615	20	6 30.2	18.1
180556 2004 EV_{25}	16.1	X	23.82780	88.53056	300.43379	5.20233	0.0166770	0.22234854	2.6984427	20	—	—
180557 2004 ET_{34}	16.7	X	30.38411	36.02387	132.35846	5.13781	0.1468423	0.24663443	2.5182581	20	3 31.6	19.2
180558 2004 EF_{47}	16.9	X	99.52313	237.91438	146.09009	2.87520	0.2186416	0.23688339	2.5869000	20	1 17.4	20.1
180559 2004 ES_{53}	15.9	X	76.01243	333.11447	108.35331	7.54634	0.1960361	0.24171345	2.5523222	20	2 26.7	18.7
180560 2004 EB_{54}	17.1	X	248.79087	61.23948	168.51969	4.97193	0.1430486	0.23254681	2.6189616	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
180561 2004 EU_{56}	16.1	X	263.84180	217.74155	17.32291	12.14018	0.1188999	0.23196716	2.6233227	20	—	—
180562 2004 EC_{66}	17.2	X	253.32849	258.35720	335.79126	4.35471	0.1457208	0.23334914	2.6129549	20	—	—
180563 2004 EB_{67}	15.7	X	8.21290	262.32336	170.43905	21.98626	0.0504948	0.22876146	2.6477734	20	—	—
180564 2004 EM_{68}	15.3	X	285.11981	291.52377	333.25752	10.65521	0.0636116	0.18563587	3.0434169	20	3 5.8	19.6
180565 2004 EU_{70}	16.8	X	212.29639	312.61991	308.38536	1.20839	0.1620392	0.22935560	2.6431987	20	—	—
180566 2004 EE_{73}	16.4	X	329.41896	281.57550	197.66432	7.22206	0.1111220	0.22944090	2.6425436	20	—	—
180567 2004 ET_{80}	16.2	X	53.57950	320.38996	118.34772	4.43330	0.1691062	0.24066144	2.5597549	20	1 5.8	18.5
180568 2004 EC_{84}	16.6	X	226.93691	269.31756	326.42487	2.96277	0.2564986	0.22526471	2.6751036	20	—	—
180569 2004 ED_{84}	16.4	X	300.94605	66.44195	178.60340	12.15971	0.1697805	0.23915803	2.5704712	20	2 7.3	20.1
180570 2004 EQ_{86}	16.4	X	260.33642	162.51543	111.14559	6.11292	0.1830869	0.23945633	2.5683360	20	2 1.3	20.3
180571 2004 EA_{87}	15.9	X	149.01702	92.31688	169.83150	12.39431	0.1432495	0.21589718	2.7519343	20	12 24.3	20.6
180572 2004 ER_{102}	17.2	X	208.97062	267.60143	124.02331	3.32006	0.2026687	0.25719295	2.4488565	20	5 8.9	21.3
180573 2004 EF_{106}	15.7	X	53.78890	14.07283	352.84345	10.85471	0.2170523	0.22476380	2.6790766	20	—	—
180574 2004 EP_{108}	16.7	X	331.65065	99.26194	334.76598	3.11412	0.1577778	0.22440713	2.6819146	20	—	—
180575 2004 FU_{7}	16.6	X	275.38395	37.72153	180.37373	5.76990	0.1104524	0.23444777	2.6047856	20	—	—
180576 2004 FV_{7}	15.9	X	338.67044	277.20075	267.88303	11.87172	0.2310078	0.23933449	2.5692075	20	1 3.4	18.7
180577 2004 FA_{10}	16.4	X	68.74435	275.14056	127.10647	4.04851	0.0929947	0.23334750	2.6129671	20	—	—
180578 2004 FL_{18}	16.9	X	345.81526	83.78644	100.34971	6.01560	0.2299995	0.23985554	2.5654854	20	1 14.9	19.4
180579 2004 FU_{19}	16.2	X	30.74487	107.29717	338.00509	11.00587	0.1590150	0.23678291	2.5876318	20	—	—
180580 2004 FF_{20}	16.5	X	76.82024	68.64824	172.49675	4.51528	0.1266051	0.26534017	2.3984687	20	9 25.3	19.7
180581 2004 FS_{20}	16.9	X	53.13543	329.17304	206.33496	3.80790	0.1394845	0.25128700	2.4870778	20	5 21.2	19.5
180582 2004 FU_{22}	17.5	X	123.88407	325.18831	174.50321	2.23950	0.1273448	0.26128108	2.4232454	20	7 3.6	20.9
180583 2004 FP_{24}	15.9	X	29.87624	208.46298	277.82879	9.01068	0.1240056	0.24148738	2.5539149	20	1 24.7	18.5
180584 2004 FD_{27}	16.9	X	21.13119	281.31930	196.49451	1.34073	0.1281532	0.23828773	2.5767261	20	—	—
180585 2004 FJ_{35}	16.1	X	327.21571	27.98216	198.81189	10.94640	0.0762848	0.24496940	2.5296562	20	3 3.0	19.2
180586 2004 FL_{35}	16.2	X	351.52444	302.31170	177.79442	14.60337	0.2288559	0.23411137	2.6072802	20	—	—
180587 2004 FQ_{35}	16.2	X	249.77542	200.71286	19.21931	8.16376	0.1527565	0.22900847	2.6458691	20	—	—
180588 2004 FK_{41}	16.4	X	227.10495	43.68013	170.55576	6.73248	0.0269791	0.22601052	2.6692153	20	—	—
180589 2004 FR_{41}	15.9	X	254.44873	87.13492	159.29740	13.10862	0.2416799	0.22889311	2.6467580	20	—	—
180590 2004 FN_{44}	16.0	X	169.99776	83.76389	162.92246	11.82229	0.0675957	0.22107311	2.7088114	20	12 30.8	20.1
180591 2004 FC_{47}	16.4	X	88.24533	217.55743	90.43068	5.65244	0.2369002	0.27669348	2.3324021	20	—	—
180592 2004 FK_{49}	16.4	X	314.26775	268.97752	338.66540	7.24886	0.1082314	0.24508463	2.5288632	20	3 9.5	19.6
180593 2004 FG_{51}	16.4	X	75.91549	183.08978	21.85987	6.65717	0.0771078	0.26234333	2.4166997	20	7 30.2	19.5
180594 2004 FH_{61}	16.8	X	121.60450	321.48176	138.44957	2.95579	0.1662806	0.25369311	2.4713273	20	5 13.8	20.3
180595 2004 FP_{61}	15.8	X	115.65979	326.27662	6.47868	22.04795	0.0529002	0.22721190	2.6597981	20	—	—
180596 2004 FJ_{63}	15.9	X	248.43118	228.61871	23.83214	7.38672	0.1139790	0.23295850	2.6158752	20	—	—
180597 2004 FL_{64}	16.3	X	308.22717	286.96443	186.13716	14.09800	0.1697866	0.22365711	2.6879070	20	—	—
180598 2004 FS_{64}	16.4	X	308.08226	110.46379	58.94681	3.10231	0.1338053	0.23081743	2.6320269	20	—	—
180599 2004 FQ_{79}	16.8	X	35.68275	265.03880	187.63111	13.13775	0.1512186	0.23784374	2.5799318	20	—	—
180600 2004 FV_{79}	16.6	X	179.11318	242.16909	73.84204	3.04839	0.0843309	0.23162002	2.6259431	20	1 8.1	20.4
180601 2004 FH_{81}	15.3	X	115.64542	229.47270	177.10927	28.67490	0.1563659	0.23992909	2.5649611	20	2 24.5	19.1
180602 2004 FM_{82}	16.0	X	63.99072	158.83501	144.86446	13.68360	0.1342497	0.21374221	2.7704002	20	11 25.1	20.3
180603 2004 FY_{83}	16.1	X	173.33216	91.17143	148.10898	12.61007	0.1492465	0.22012368	2.7165948	20	12 20.7	20.6
180604 2004 FX_{89}	16.2	X	31.83059	331.79996	156.01756	11.24164	0.0325254	0.23946908	2.5682448	20	1 30.6	19.6
180605 2004 FC_{92}	15.0	X	217.24147	164.01671	105.22005	18.78694	0.3595805	0.22352952	2.6889298	20	—	—
180606 2004 FE_{94}	16.4	X	291.97157	127.16560	160.44677	4.78451	0.2220862	0.24393878	2.5367761	20	3 17.2	19.8
180607 2004 FM_{94}	16.3	X	311.31236	11.68661	198.92587	6.74532	0.1847244	0.23627897	2.5913098	20	1 6.8	19.9
180608 2004 FB_{96}	16.4	X	151.41309	74.84480	34.10473	10.45537	0.0607201	0.25983450	2.4322311	20	6 18.1	19.9
180609 2004 FQ_{97}	15.5	X	274.21144	299.52901	156.22865	16.64358	0.1270757	0.21627963	2.7486892	20	10 26.1	19.2
180610 2004 FD_{100}	16.4	X	41.29437	64.91773	305.16419	0.86953	0.1043698	0.22144409	2.7057852	20	—	—
180611 2004 FD_{105}	15.4	X	275.15680	77.51257	175.50760	11.88594	0.2828198	0.23129677	2.6283892	20	1 11.6	20.1
180612 2004 FP_{106}	16.4	X	302.41023	22.24972	239.10311	2.75548	0.0940626	0.24413375	2.5354254	20	3 13.1	19.5
180613 2004 FM_{108}	16.7	X	357.29112	93.28876	352.33371	5.08066	0.1945208	0.23102522	2.6304484	20	—	—
180614 2004 FV_{116}	15.5	X	225.43432	80.71334	175.98898	17.70271	0.2487847	0.22600668	2.6692456	20	—	—
180615 2004 FZ_{117}	16.8	X	39.46708	94.26390	46.74366	3.17775	0.0954193	0.24371512	2.5383279	20	3 4.6	19.5
180616 2004 FQ_{118}	16.0	X	200.45745	330.31562	196.81848	11.10012	0.1526471	0.21164431	2.7886777	20	10 19.3	20.2
180617 2004 FZ_{118}	15.9	X	350.21709	311.97187	195.23089	11.36072	0.2798332	0.23539513	2.5977921	20	—	—
180618 2004 FD_{121}	16.1	X	198.40776	109.66347	151.97053	13.36053	0.1092307	0.22542871	2.6738061	20	—	—
180619 2004 FZ_{121}	16.0	X	176.74601	86.63129	174.49142	3.66445	0.2455404	0.21858984	2.7292882	20	—	—
180620 2004 FE_{126}	16.1	X	218.75606	7.98887	187.88619	7.29710	0.0516522	0.22073408	2.7115844	20	12 26.3	20.0
180621 2004 FM_{126}	16.0	X	33.96084	37.60292	14.39025	13.77424	0.0899616	0.22726692	2.6593688	20	—	—
180622 2004 FD_{127}	16.1	X	88.69866	338.18023	17.74929	3.30509	0.1002724	0.22669826	2.6638142	20	—	—
180623 2004 FJ_{127}	16.3	X	143.70031	272.74941	306.64404	2.04637	0.1089633	0.21134206	2.7913358	20	10 28.2	20.5
180624 2004 FW_{127}	16.8	X	239.21488	103.83877	107.48044	0.88781	0.0469868	0.22651564	2.6652457	20	—	—
180625 2004 FW_{134}	16.0	X	200.24752	245.67611	356.04379	11.27497	0.1378979	0.22231183	2.6987397	20	—	—
180626 2004 FL_{136}	15.8	X	306.65819	59.69797	129.68393	13.72522	0.1089556	0.23251226	2.6192210	20	—	—
180627 2004 FD_{137}	15.6	X	273.91348	99.04961	113.54551	17.09485	0.1108884	0.22993886	2.6387270	20	—	—
180628 2004 FE_{137}	15.7	X	174.87768	86.38785	128.33178	11.15969	0.0711323	0.21454928	2.7634483	20	11 28.6	19.9
180629 2004 FY_{139}	15.8	X	296.86374	328.68935	271.33541	10.75654	0.2053333	0.23729775	2.5838877	20	1 22.8	19.5
180630 2004 FQ_{141}	16.0	X	309.67217	320.37536	208.71825	12.52509	0.2017171	0.23206424	2.6225910	20	—	—
180631 2004 FF_{148}	15.3	X	203.11978	63.32780	191.34094	13.08499	0.1267138	0.22258815	2.6965058	20	—	—
180632 2004 FG_{160}	15.5	X	188.47246	169.45361	161.93455	15.14516	0.1973266	0.24111923	2.5565139	20	2 6.7	19.9
180633 2004 FL_{160}	17.0	X	329.62656	149.21921	39.13718	0.98828	0.0574698	0.24209804	2.5496185	20	1 21.5	20.3
180634 2004 FG_{161}	16.3	X	329.48607	273.22983	39.54295	2.59326	0.1729523	0.26017741	2.4300936	20	7 3.9	18.3
180635 2004 FG_{165}	16.4	X	118.29244	97.09849	192.79659	7.15100	0.1229228	0.21756875	2.7378209	20	12 28.7	20.8
180636 2004 GG_{4}	16.8	X	4.70944	266.59673	196.62855	3.96894	0.2216046	0.23293530	2.6160488	20	—	—
180637 2004 GC_{5}	16.3	X	334.18448	55.01644	96.45865	5.69871	0.1874260	0.23301181	2.6154761	20	—	—
180638 2004 GK_{7}	16.6	X	75.26477	248.50549	104.61483	4.12366	0.1040056	0.22526265	2.6751199	20	—	—
180639 2004 GQ_{9}	15.8	X	343.88019	289.47565	7.30946	8.51036	0.0857257	0.19448886	2.9503456	20	7 10.2	19.5
180640 2004 GJ_{14}	15.9	X	51.80301	13.59544	104.11959	9.00511	0.1022998	0.23872972	2.5735448	20	2 24.6	18.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
180641 2004 GL_{14}	15.7	X	212.32274	85.13774	182.57803	12.65981	0.1266457	0.22687889	2.6624001	20	—	—
180642 2004 GY_{17}	16.1	X	231.67328	343.92704	185.45817	7.67635	0.0788370	0.21765740	2.7370775	20	12 5.8	20.0
180643 Cardoen	16.6	X	326.30438	56.52935	169.69963	9.07299	0.0900932	0.24142040	2.5543873	20	3 1.7	19.8
180644 2004 GO_{22}	16.0	X	101.46787	212.07550	200.15359	13.23862	0.0865130	0.23589768	2.5941014	20	2 2.1	19.6
180645 2004 GD_{23}	16.0	X	142.56149	110.60138	154.11355	2.63143	0.0490416	0.21687887	2.7436238	20	12 22.9	20.0
180646 2004 GE_{26}	16.2	X	228.07060	99.48480	191.30348	10.01857	0.1674639	0.23287582	2.6164943	20	1 22.9	20.6
180647 2004 GQ_{27}	15.3	X	222.28630	213.59826	88.60949	13.80201	0.3539865	0.22863455	2.6487531	20	2 1.3	20.5
180648 2004 GY_{29}	15.3	X	58.91922	352.97429	31.08963	14.51702	0.1634967	0.22388635	2.6860720	20	—	—
180649 2004 GK_{30}	15.6	X	105.11707	196.50366	208.31925	9.23739	0.0737736	0.23552351	2.5968481	20	1 27.5	19.2
180650 2004 GK_{32}	15.9	X	251.04028	3.93389	271.11596	6.94207	0.1969234	0.23655489	2.5892944	20	1 23.1	20.1
180651 2004 GT_{33}	15.9	X	157.57923	208.69548	43.71079	9.54427	0.2047596	0.21405769	2.7676776	20	12 17.5	20.6
180652 2004 GE_{34}	15.7	X	267.20312	289.32221	259.54364	10.47914	0.1336944	0.22660771	2.6645237	20	—	—
180653 2004 GR_{34}	16.5	X	288.45668	276.29635	224.19728	3.25018	0.1318805	0.22418350	2.6836979	20	—	—
180654 2004 GZ_{34}	15.7	X	145.52193	30.25486	255.55581	9.08996	0.2526446	0.21752224	2.7382112	20	—	—
180655 2004 GP_{35}	16.0	X	8.20574	230.36527	302.10351	6.91072	0.1779056	0.24206705	2.5498361	20	2 15.9	18.3
180656 2004 GH_{36}	15.9	X	318.39929	331.10752	198.91519	5.17153	0.2047298	0.23208224	2.6224554	20	—	—
180657 2004 GL_{36}	16.2	X	277.15186	299.24303	325.33079	3.76694	0.1932350	0.23628891	2.5912371	20	2 5.4	20.1
180658 2004 GF_{40}	15.6	X	149.81129	148.62970	117.50713	9.13444	0.1851719	0.21346458	2.7728018	20	12 28.2	20.2
180659 2004 GL_{41}	15.6	X	186.26682	301.34275	322.15879	14.57459	0.1552157	0.22302382	2.6929930	20	—	—
180660 2004 GQ_{42}	15.6	X	187.15068	300.10946	356.86277	12.52500	0.2002682	0.22772881	2.6557716	20	—	—
180661 2004 GB_{43}	16.0	X	238.47963	114.15692	137.74651	14.97321	0.1030196	0.22888851	2.6467934	20	—	—
180662 2004 GQ_{46}	16.3	X	233.22732	204.58094	48.38907	4.48454	0.1113643	0.22949436	2.6421331	20	—	—
180663 2004 GW_{46}	16.8	X	249.16607	265.14521	193.57805	3.54043	0.0670832	0.20920925	2.8102748	20	9 28.1	20.4
180664 2004 GD_{60}	15.9	X	275.19971	358.78941	98.57294	3.47236	0.0350286	0.21289005	2.7777883	20	11 6.5	19.6
180665 2004 GF_{60}	15.8	X	241.66286	286.78012	173.44419	7.19721	0.2453409	0.21154358	2.7895629	20	8 27.5	20.2
180666 2004 GC_{61}	15.5	X	273.69951	300.01735	211.70773	23.22140	0.1206044	0.22078652	2.7111550	20	12 31.2	19.3
180667 2004 GW_{63}	16.8	X	192.75659	112.66744	223.75306	2.33919	0.0635578	0.23809490	2.5781172	20	2 13.9	20.5
180668 2004 GG_{65}	16.5	X	176.02291	113.29671	188.07234	7.85261	0.1191546	0.22776533	2.6554877	20	—	—
180669 2004 GQ_{65}	16.9	X	170.70585	105.96283	187.96675	1.72707	0.0131325	0.22770095	2.6559883	20	—	—
180670 2004 GW_{72}	15.8	X	27.35395	267.47175	81.30759	5.41111	0.0784456	0.21103277	2.7940625	20	11 24.6	19.5
180671 2004 GX_{72}	15.6	X	311.24424	272.86207	198.19806	13.22785	0.1248749	0.22133274	2.7066926	20	—	—
180672 2004 GC_{74}	15.4	X	36.52060	346.63049	281.56669	10.70594	0.1614980	0.19664897	2.9287003	20	8 28.1	19.3
180673 2004 GL_{74}	16.0	X	281.27507	108.26874	133.07024	6.08795	0.0842786	0.23707739	2.5854886	20	1 24.2	19.5
180674 2004 GW_{76}	16.0	X	186.51678	129.21462	158.93928	11.87137	0.1780416	0.22541936	2.6738800	20	—	—
180675 2004 GK_{77}	15.5	X	224.88322	221.72902	77.19818	18.93002	0.2069030	0.23576278	2.5950908	20	2 3.2	20.2
180676 2004 GL_{77}	16.0	X	331.49645	143.45584	89.41427	16.44318	0.0743837	0.24560033	2.5253219	20	3 31.0	19.4
180677 2004 GL_{79}	16.5	X	83.88596	253.30070	118.58353	2.28533	0.1101725	0.22862708	2.6488108	20	—	—
180678 2004 GZ_{81}	15.7	X	295.25411	288.68881	148.54627	8.98809	0.0795697	0.21226890	2.7832046	20	11 5.8	19.3
180679 2004 GM_{82}	16.0	X	83.59958	220.58420	183.91287	13.68729	0.1256993	0.23494501	2.6011091	20	1 5.8	19.4
180680 2004 GE_{83}	16.8	X	40.89619	284.71938	93.54717	2.72481	0.0463278	0.21988138	2.7185902	20	—	—
180681 2004 GG_{87}	15.8	X	213.37228	252.51407	311.46335	8.31066	0.1294689	0.21827785	2.7318883	20	12 19.7	19.8
180682 2004 GK_{87}	16.3	X	140.30160	163.35434	88.45289	6.11694	0.0264114	0.21626823	2.7487858	20	12 4.9	20.2
180683 2004 HF	16.1	X	94.27178	142.12712	123.92130	8.06330	0.1639000	0.20947730	2.8078770	20	11 12.3	20.6
180684 2004 HW_{1}	15.9	X	231.94724	121.71206	41.19987	13.76532	0.1028803	0.21555239	2.7548682	20	11 21.4	19.8
180685 2004 HC_{6}	15.6	X	243.97892	153.33716	55.87750	12.87477	0.1316883	0.22289014	2.6940696	20	—	—
180686 2004 HN_{6}	15.8	X	190.57795	158.13995	67.45593	9.19161	0.1412937	0.21610295	2.7501872	20	12 19.5	20.0
180687 2004 HO_{7}	16.6	X	257.17192	72.60779	171.77977	4.47479	0.1467874	0.23319244	2.6141253	20	—	—
180688 2004 HN_{10}	15.8	X	134.35074	183.94527	114.94185	4.97873	0.0648088	0.21757962	2.7377298	20	—	—
180689 2004 HU_{10}	15.6	X	1.94198	126.16734	179.45786	9.03848	0.0555954	0.19914437	2.9041833	20	8 16.2	19.4
180690 2004 HG_{15}	16.5	X	241.44785	111.10956	328.63304	1.04685	0.0405748	0.20316083	2.8657793	20	8 27.8	20.5
180691 2004 HH_{19}	16.2	X	315.37237	289.33214	257.96431	4.38024	0.2708634	0.23406109	2.6076536	20	—	—
180692 2004 HH_{24}	15.8	X	70.86720	36.61307	36.29021	15.15633	0.0778902	0.23486099	2.6017294	20	1 24.4	19.3
180693 2004 HB_{26}	16.4	X	244.84601	125.04793	88.25141	3.39317	0.1482058	0.22439879	2.6819811	20	—	—
180694 2004 HD_{28}	16.2	X	337.60250	72.90843	97.71310	4.45434	0.1270526	0.23450413	2.6043682	20	—	—
180695 2004 HA_{31}	15.7	X	180.64897	236.12767	3.81250	7.93135	0.1321856	0.21676447	2.7445890	20	12 28.7	20.0
180696 2004 HO_{31}	16.2	X	105.28744	332.76680	47.85338	4.49109	0.0583508	0.23312551	2.6146256	20	—	—
180697 2004 HF_{32}	17.1	X	27.64443	338.96849	138.59988	2.24382	0.1535529	0.23889779	2.5723376	20	1 9.8	19.6
180698 2004 HH_{32}	16.6	X	111.61346	144.65075	158.45679	3.73519	0.1793194	0.21725912	2.7404216	20	—	—
180699 2004 HZ_{33}	15.7	X	123.24789	188.60624	100.82158	7.68272	0.2695693	0.21109749	2.7934914	20	—	—
180700 2004 HA_{44}	16.7	X	256.55560	313.75228	266.99773	3.98545	0.1884671	0.22805879	2.6532092	20	—	—
180701 2004 HQ_{44}	16.1	X	312.81980	231.30336	298.64242	2.73977	0.2047585	0.23111881	2.6297382	20	—	—
180702 2004 HX_{45}	15.7	X	242.51059	178.28856	54.15867	14.89337	0.1661684	0.22459861	2.6803901	20	—	—
180703 2004 HW_{46}	15.8	X	173.18119	262.14595	0.97988	13.05344	0.1817252	0.21949765	2.7217577	20	—	—
180704 2004 HM_{48}	15.9	X	289.13860	143.33430	335.80569	13.05427	0.1197540	0.21954719	2.7213483	20	12 16.8	19.4
180705 2004 HA_{50}	16.4	X	280.85805	201.30963	94.64911	5.15843	0.0969760	0.24571211	2.5245560	20	4 3.5	19.7
180706 2004 HJ_{50}	15.9	X	246.02430	153.17611	155.69599	12.95843	0.3055389	0.23646005	2.5899867	20	2 22.7	20.4
180707 2004 HK_{50}	15.8	X	264.02128	131.05148	107.82512	13.50599	0.1481930	0.23236234	2.6203475	20	—	—
180708 2004 HD_{51}	15.9	X	240.94296	352.58246	227.69973	14.39539	0.0974615	0.22448276	2.6813122	20	—	—
180709 2004 HA_{62}	15.5	X	296.20922	61.52482	182.03789	12.08603	0.1716535	0.23551965	2.5968764	20	1 30.9	19.4
180710 2004 HE_{67}	15.5	X	39.28258	272.11586	39.90379	13.24040	0.1263709	0.20202861	2.8764763	20	10 29.9	19.1
180711 2004 HF_{78}	16.4	X	8.40228	305.67779	37.63837	2.42232	0.0751762	0.20324376	2.8649997	20	10 19.5	19.8
180712 2004 HL_{78}	16.4	X	34.51205	164.11645	249.49204	4.40492	0.0618785	0.22099404	2.7094575	20	—	—
180713 2004 JM_{5}	14.8	X	253.98209	169.44812	167.27669	17.96310	0.2135284	0.17967018	3.1104177	20	4 15.3	19.9
180714 2004 JS_{9}	16.4	X	210.65092	134.62180	78.49262	10.58729	0.0857673	0.21778155	2.7360372	20	—	—
180715 2004 JN_{11}	15.9	X	120.30165	152.11140	141.42754	9.21638	0.1968523	0.21152505	2.7897258	20	—	—
180716 2004 JH_{12}	15.8	X	230.52266	319.44475	247.14222	11.09262	0.1205628	0.22177434	2.7030984	20	—	—
180717 2004 JP_{17}	16.2	X	288.93994	160.04063	53.95528	2.25232	0.1296760	0.23105773	2.6302017	20	—	—
180718 2004 JD_{20}	16.2	X	312.84128	157.75471	23.46558	5.51678	0.1713149	0.23112505	2.6296909	20	—	—
180719 2004 JR_{21}	16.1	X	253.28289	98.11416	45.06746	4.51179	0.0404572	0.21420607	2.7663993	20	12 3.8	19.8
180720 2004 JM_{22}	15.8	X	324.15728	12.76930	271.35264	2.10320	0.0558588	0.18730969	3.0252589	20	5 23.6	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
180721 2004 JV_{22}	16.4	X	202.08171	58.46959	197.29024	3.25397	0.1355655	0.22247126	2.6974503	20	—	—
180722 2004 JC_{24}	16.4	X	326.98286	288.56353	205.10267	1.66944	0.2201037	0.22766303	2.6562832	20	—	—
180723 2004 JG_{25}	15.9	X	295.66372	89.76986	39.92900	5.58429	0.0978756	0.22079854	2.7110566	20	—	—
180724 2004 JU_{25}	16.2	X	269.23313	263.14256	349.74523	0.60627	0.1136692	0.23250728	2.6192584	20	1 22.6	19.8
180725 2004 JA_{26}	16.1	X	178.95401	219.89477	48.84243	10.04808	0.1715596	0.21865109	2.7287785	20	—	—
180726 2004 JM_{26}	16.3	X	157.48201	204.80255	88.28543	2.47792	0.2349056	0.21678117	2.7444480	20	—	—
180727 2004 JT_{26}	16.5	X	219.33726	293.62777	264.90733	2.20405	0.1310917	0.21645963	2.7471652	20	12 18.8	20.2
180728 2004 JM_{27}	15.0	X	220.79629	262.16406	53.64245	7.29181	0.1741576	0.17083455	3.2167618	20	2 25.8	20.4
180729 2004 JE_{32}	16.3	X	189.30666	72.50587	169.26118	5.70800	0.0647926	0.21883937	2.7272131	20	—	—
180730 2004 JG_{33}	16.3	X	261.29631	352.63358	214.75336	12.67396	0.1202929	0.22538271	2.6741698	20	—	—
180731 2004 JW_{35}	16.1	X	305.09235	336.95596	110.48133	5.60663	0.0382604	0.21189975	2.7864361	20	12 3.5	19.7
180732 2004 JU_{40}	15.8	X	141.38493	186.68607	115.52573	8.92362	0.1339129	0.21781758	2.7357354	20	—	—
180733 2004 JH_{42}	15.6	X	359.70984	113.94972	213.86479	9.61142	0.1160540	0.19826255	2.9127883	20	9 14.5	19.2
180734 2004 JE_{44}	15.1	X	338.16490	124.67597	153.14041	6.60150	0.1693297	0.18631134	3.0360565	20	5 28.8	18.6
180735 2004 JF_{44}	16.4	X	207.97465	143.16693	121.73310	6.75371	0.2083240	0.22287747	2.6941717	20	—	—
180736 2004 JG_{45}	15.9	X	270.06321	115.81924	126.95016	14.65751	0.2753992	0.23007257	2.6377046	20	—	—
180737 2004 JH_{55}	16.6	X	332.25072	129.02546	6.80054	5.05246	0.2028077	0.23127144	2.6285811	20	—	—
180738 2004 KW_{3}	16.1	X	80.53218	48.22605	249.48500	0.51789	0.1022855	0.20679775	2.8320800	20	11 27.3	20.0
180739 Barbet	15.8	X	100.91244	112.22963	174.26900	5.84397	0.0895670	0.20883139	2.8136637	20	12 5.4	20.1
180740 2004 KB_{14}	16.1	X	193.25888	114.34402	164.13962	11.48733	0.1212683	0.22245423	2.6975879	20	—	—
180741 2004 KL_{16}	16.2	X	185.77489	313.23629	129.94137	12.23158	0.0566505	0.18922765	3.0047821	20	6 24.3	20.8
180742 2004 LL_{2}	15.5	X	161.37686	141.94911	119.20929	14.15880	0.1416349	0.21395345	2.7685764	20	—	—
180743 2004 LR_{3}	16.1	X	294.30871	53.52848	185.33642	11.86319	0.1422063	0.23325125	2.6136859	20	1 26.9	20.0
180744 2004 LM_{4}	15.8	X	348.71186	218.51730	24.61924	2.00476	0.2068460	0.24344401	2.5402121	20	4 20.8	18.0
180745 2004 LK_{7}	15.8	X	233.80178	165.16908	73.42065	5.60395	0.2055681	0.22314836	2.6919909	20	—	—
180746 2004 LA_{11}	15.5	X	282.81660	130.46220	178.02155	4.90370	0.1614090	0.18024851	3.1037609	20	4 15.2	19.9
180747 2004 LU_{14}	15.8	X	136.99870	52.23856	159.88939	10.10385	0.0098552	0.20131071	2.8833108	20	10 11.5	19.8
180748 2004 LB_{16}	16.0	X	289.66553	131.27279	118.49725	14.07140	0.2251559	0.23105031	2.6302580	20	1 28.2	19.9
180749 2004 LT_{16}	15.5	X	132.70720	135.48644	123.27097	7.25574	0.0914447	0.20902894	2.8118907	20	12 4.9	19.9
180750 2004 LG_{21}	16.2	X	220.65477	84.06025	163.05862	10.67495	0.2074465	0.22158279	2.7046559	20	—	—
180751 2004 LR_{26}	15.3	X	313.53514	105.00091	140.33391	8.55171	0.2116399	0.23775501	2.5805737	20	2 20.6	18.7
180752 2004 NF	15.3	X	23.91433	220.85360	64.00695	13.00828	0.1180456	0.18975991	2.9991607	20	9 5.4	19.3
180753 2004 NY_{14}	15.8	X	313.63774	163.27374	134.21262	10.00506	0.1270826	0.17820009	3.1275008	20	5 20.4	20.0
180754 2004 NK_{27}	15.6	X	301.47665	45.19593	252.18256	4.00786	0.1357166	0.17596466	3.1539327	20	4 27.3	19.9
180755 2004 NC_{29}	15.3	X	327.48181	77.96590	239.16789	5.61577	0.0943649	0.18134160	3.0912758	20	7 7.5	19.2
180756 2004 NF_{30}	17.3	X	279.89990	119.85534	324.08134	16.78577	0.0925054	0.38369814	1.8756117	20	12 5.2	19.1
180757 2004 NE_{33}	14.6	X	325.69345	304.13120	12.21035	24.03912	0.3566079	0.17985708	3.1082625	20	5 18.4	18.3
180758 2004 OF_{2}	16.1	X	194.86124	88.46317	155.58091	7.96892	0.1730502	0.21316283	2.7754180	20	—	—
180759 2004 OQ_{5}	15.3	X	278.69726	160.55065	130.92773	1.79823	0.1985678	0.17161556	3.2069949	20	3 16.4	20.0
180760 2004 OV_{5}	15.0	X	82.77240	275.57099	320.45619	12.13861	0.1283408	0.19318939	2.9635610	20	9 11.8	19.4
180761 2004 OK_{6}	15.9	X	10.04707	0.72218	289.10823	4.28141	0.1554420	0.18763319	3.0217807	20	8 14.7	19.3
180762 2004 PC_{14}	15.6	X	311.63257	245.42370	67.64346	2.18299	0.1763447	0.17704458	3.1410941	20	5 27.7	19.5
180763 2004 PA_{15}	14.9	X	302.50025	249.38968	43.33301	6.30423	0.1207731	0.17182974	3.2043295	20	4 26.5	19.2
180764 2004 PO_{16}	15.1	X	314.71562	138.83953	162.93933	23.81743	0.1830953	0.17474155	3.1686329	20	5 21.6	19.5
180765 2004 PJ_{18}	15.3	X	267.17695	68.79821	264.44865	4.08692	0.1696937	0.17198017	3.2024607	20	4 24.9	20.1
180766 2004 PN_{22}	15.6	X	43.66765	113.32459	156.57168	8.91031	0.1308918	0.18847972	3.0127260	20	9 10.2	19.4
180767 2004 PC_{36}	15.9	X	18.54117	173.13733	121.40794	2.83588	0.2200265	0.18633230	3.0358289	20	9 16.6	19.3
180768 2004 PK_{54}	15.1	X	325.26219	70.56542	194.68654	4.51006	0.1422879	0.17291101	3.1909570	20	4 21.7	18.9
180769 2004 PE_{58}	14.8	X	301.69018	8.04919	278.99720	3.57176	0.1107707	0.17214204	3.2004528	20	4 17.7	19.2
180770 2004 PQ_{63}	16.1	X	316.96322	96.66908	207.15173	1.50462	0.1610798	0.17701047	3.1414977	20	5 26.4	19.9
180771 2004 PZ_{73}	14.5	X	102.89151	211.58518	323.04791	19.89340	0.2573998	0.18337325	3.0684006	20	8 6.7	19.5
180772 2004 PZ_{81}	15.0	X	320.95637	149.64640	177.75655	17.97330	0.1677535	0.18077208	3.0977651	20	7 2.6	19.0
180773 2004 PB_{105}	14.9	X	359.95366	352.72796	269.33535	9.48495	0.1849742	0.17702624	3.1413111	20	6 17.7	18.2
180774 2004 QB_{1}	16.5	X	327.81940	70.08741	354.65481	19.17479	0.1036205	0.37699959	1.8977637	20	—	—
180775 2004 QP_{8}	14.8	X	346.06312	156.39928	92.13318	23.12999	0.1410479	0.17507546	3.1646027	20	5 13.3	18.9
180776 2004 QY_{10}	15.5	X	354.54914	163.97917	99.59079	11.69811	0.1876182	0.17689096	3.1429125	20	6 9.4	18.9
180777 2004 QU_{25}	14.9	X	351.20245	316.58108	17.02993	17.65778	0.2505109	0.18385903	3.0629935	20	9 20.8	17.8
180778 2004 RN_{16}	15.8	X	16.78317	261.97687	48.04378	3.63382	0.2292393	0.18676081	3.0311834	20	10 6.1	19.2
180779 2004 RZ_{30}	15.7	X	42.74588	119.44874	153.93721	8.98618	0.2215178	0.18780044	3.0199863	20	9 28.6	19.6
180780 2004 RY_{48}	15.4	X	329.82098	205.93397	99.49419	2.96071	0.1504171	0.17690406	3.1427574	20	6 20.9	18.9
180781 2004 RU_{54}	15.5	X	31.52613	66.13361	215.04828	6.82247	0.2218115	0.18607007	3.0386805	20	9 17.6	19.3
180782 2004 RH_{139}	15.9	X	7.84261	180.46404	115.79485	1.91902	0.1551934	0.18285111	3.0742391	20	8 20.6	19.2
180783 2004 RK_{146}	15.5	X	33.89134	274.31562	357.84430	3.80651	0.2205387	0.18465123	3.0542266	20	9 11.5	19.1
180784 2004 RB_{152}	15.1	X	16.91262	88.18217	204.90189	16.27563	0.0902807	0.18499186	3.0504761	20	8 20.1	19.3
180785 2004 RE_{152}	14.6	X	86.57318	340.57589	216.79732	16.17725	0.1493761	0.18156868	3.0886978	20	7 30.0	19.4
180786 2004 RO_{182}	15.3	X	328.27896	355.34122	290.59957	4.07637	0.1269703	0.17241233	3.1971070	20	5 24.6	19.2
180787 2004 RY_{189}	14.5	X	262.44166	176.50621	206.01247	18.00352	0.1655917	0.17252802	3.1956776	20	6 20.2	19.5
180788 2004 RF_{195}	14.7	X	197.89347	109.97918	212.68457	5.00536	0.1438438	0.15345301	3.4553002	20	2 11.5	20.3
180789 2004 RU_{216}	14.3	X	18.50197	347.18108	294.31249	11.74137	0.2894990	0.18169934	3.0872169	20	9 1.1	17.7
180790 2004 SX_{9}	15.1	X	277.19722	259.60974	58.82781	5.94380	0.1673960	0.17247409	3.1963437	20	4 20.9	19.8
180791 2004 SO_{18}	15.0	X	306.37360	152.44650	170.48652	13.80978	0.1691786	0.17787527	3.1313072	20	6 4.6	19.2
180792 2004 TZ_{338}	16.7	X	277.25663	316.59641	73.32121	23.62946	0.1031000	0.36217529	1.9492020	20	9 3.8	19.1
180793 2004 XL_{23}	16.2	X	290.72643	148.63049	277.91721	19.09592	0.1084567	0.36511772	1.9387156	20	11 19.7	17.8
180794 2004 XD_{101}	16.1	X	273.26426	185.26991	296.66002	2.44154	0.0610358	0.24494510	2.5298234	20	12 9.4	19.0
180795 2004 YT_{4}	16.9	X	205.69846	132.18879	309.42231	17.33003	0.0975610	0.35092478	1.9906429	20	7 22.4	19.1
180796 2005 CB_{69}	16.7	X	171.36967	170.47120	107.56223	9.36654	0.2214483	0.29392739	2.2403163	20	—	—
180797 2005 EM_{7}	17.7	X	180.18819	56.69176	162.91391	3.81064	0.1025735	0.29772013	2.2212490	20	12 23.1	20.6
180798 2005 EP_{23}	17.2	X	194.44867	46.17183	168.90686	7.38849	0.0785859	0.30140730	2.2030966	20	—	—
180799 2005 EZ_{34}	16.8	X	193.57011	279.98941	344.64842	5.32740	0.1647531	0.30516173	2.1849894	20	—	—
180800 2005 ER_{64}	17.3	X	111.65964	135.20311	62.31871	2.08840	0.1157426	0.28393504	2.2925741	20	9 8.8	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
180801 2005 ET_{99}	17.4	X	335.96007	256.88096	278.77718	3.94128	0.0397227	0.32137607	2.1108645	20	—	—
180802 2005 EL_{101}	16.7	X	86.16723	333.59901	2.25686	7.12301	0.2378424	0.29787198	2.2204940	20	—	—
180803 2005 EN_{117}	16.4	X	95.50948	265.25595	9.33480	6.64143	0.1361292	0.29020266	2.2594451	20	12 1.6	19.8
180804 2005 ET_{117}	17.2	X	40.08799	186.69590	191.18656	6.15538	0.0615211	0.30180419	2.2011647	20	—	—
180805 2005 EL_{148}	16.6	X	8.34714	214.40541	143.85728	5.44793	0.2442647	0.29051371	2.2578320	20	12 27.4	19.1
180806 2005 EB_{151}	17.6	X	59.26248	125.53050	153.69869	5.14792	0.1516419	0.28291836	2.2980632	20	11 2.1	20.6
180807 2005 EG_{164}	16.9	X	142.84838	63.71253	191.29918	5.03710	0.1570970	0.29231974	2.2485227	20	12 23.8	20.4
180808 2005 EU_{168}	17.2	X	140.86574	61.82609	194.62280	4.32542	0.1312581	0.29475593	2.2361161	20	12 25.3	20.6
180809 2005 EG_{179}	17.4	X	4.43869	347.70921	335.10619	2.29238	0.1919207	0.28441625	2.2899875	20	10 17.6	19.5
180810 2005 EK_{206}	16.6	X	36.11921	326.21031	339.56651	5.44328	0.2138455	0.28287114	2.2983189	20	11 14.3	19.6
180811 2005 ET_{206}	16.4	X	131.84223	346.26374	346.33915	4.85930	0.2009983	0.30573157	2.1822736	20	—	—
180812 2005 EB_{211}	16.9	X	342.54774	248.29768	200.51712	3.95578	0.1007570	0.30702253	2.1761520	20	—	—
180813 2005 EE_{239}	16.5	X	229.71181	11.26446	5.45301	11.91812	0.1031784	0.27212241	2.3584491	20	5 10.8	20.1
180814 2005 EU_{268}	17.3	X	160.27049	84.63368	236.23762	2.32547	0.1480081	0.30929007	2.1655027	20	—	—
180815 2005 EB_{277}	16.9	X	315.40139	138.72273	192.97079	3.35898	0.1886285	0.27282069	2.3544231	20	7 1.7	18.8
180816 2005 EO_{280}	15.5	X	243.89183	36.42432	32.89465	14.68290	0.0283497	0.21734709	2.7396820	20	8 28.7	19.5
180817 2005 EG_{324}	18.3	X	211.08120	46.04478	179.00196	1.77135	0.1398554	0.30424962	2.1893541	20	—	—
180818 2005 FH_{4}	16.6	X	124.23462	212.04659	56.91069	6.46795	0.1466629	0.29421454	2.2388584	20	12 24.5	20.0
180819 2005 FP_{6}	17.2	X	183.31969	132.94411	122.01338	6.90776	0.0818182	0.30315182	2.1946365	20	—	—
180820 2005 FH_{11}	17.0	X	336.77015	302.68028	29.43441	5.77917	0.1691380	0.27672453	2.3322277	20	8 30.2	18.7
180821 2005 GZ_{3}	16.5	X	330.36151	239.46181	52.37432	6.71043	0.1114227	0.26861336	2.3789445	20	6 7.7	18.9
180822 2005 GO_{4}	16.4	X	167.56782	303.19543	64.90080	6.32397	0.1387130	0.25404288	2.4690584	20	3 4.4	20.2
180823 2005 GB_{5}	17.4	X	171.08186	125.56517	164.11516	5.33292	0.1985286	0.30235395	2.1984957	20	—	—
180824 Kabos	17.2	X	116.07221	124.66496	176.63782	6.23786	0.1288574	0.29875937	2.2160949	20	—	—
180825 2005 GS_{9}	16.1	X	74.78634	285.32374	349.47522	22.92153	0.2166689	0.28354040	2.2947009	20	11 7.4	20.1
180826 2005 GP_{19}	17.5	X	192.01904	126.84285	31.73313	2.13732	0.1194324	0.28867502	2.2674093	20	10 13.3	20.6
180827 2005 GV_{26}	16.9	X	180.48110	58.47381	178.92072	5.08232	0.1260140	0.29723989	2.2236409	20	—	—
180828 2005 GG_{38}	17.2	X	140.73985	245.26191	307.15140	3.31887	0.0550030	0.28450596	2.2895061	20	9 30.0	20.2
180829 2005 GK_{43}	16.5	X	114.90981	335.89963	299.78399	6.52089	0.1107084	0.29303121	2.2448817	20	12 23.9	19.8
180830 2005 GT_{43}	17.2	X	201.96804	191.52838	6.93563	6.69067	0.0604466	0.29593073	2.2301942	20	12 27.9	19.9
180831 2005 GO_{46}	17.2	X	29.61484	292.09269	5.85192	6.57485	0.1315188	0.28222241	2.3018396	20	10 12.7	19.7
180832 2005 GP_{46}	16.7	X	265.19059	345.48266	341.44521	1.05003	0.1931398	0.26471319	2.4022544	20	4 8.5	20.2
180833 2005 GP_{53}	16.5	X	264.09032	28.92843	37.05209	8.03634	0.0811419	0.28144262	2.3060894	20	9 17.6	19.2
180834 2005 GC_{58}	17.3	X	170.38076	36.74705	174.41241	3.58494	0.0477472	0.29237397	2.2482447	20	12 5.2	20.2
180835 2005 GX_{60}	16.2	X	211.68432	174.88006	60.63603	13.56058	0.1106713	0.23809127	2.5781434	20	—	—
180836 2005 GG_{68}	16.6	X	0.00290	347.29398	18.35385	3.52837	0.1534578	0.28843019	2.2686921	20	12 8.4	18.8
180837 2005 GZ_{72}	16.8	X	190.90091	154.21195	87.60358	4.66130	0.0863858	0.30117677	2.2042206	20	—	—
180838 2005 GG_{76}	16.7	X	215.32393	139.86875	116.19859	5.15675	0.1390643	0.30582788	2.1818154	20	—	—
180839 2005 GE_{80}	16.7	X	129.46426	157.67856	120.76755	5.66199	0.1755360	0.29297193	2.2451845	20	—	—
180840 2005 GM_{86}	16.8	X	121.66069	80.49301	187.52626	6.04522	0.1105334	0.29232127	2.2485149	20	12 20.7	20.1
180841 2005 GH_{88}	16.5	X	91.93851	248.98642	45.58557	7.04672	0.1398734	0.29012624	2.2598418	20	12 24.8	19.9
180842 2005 GN_{93}	17.4	X	338.75343	182.70216	344.33606	4.42512	0.0520465	0.31571098	2.1360411	20	—	—
180843 2005 GR_{107}	18.4	X	255.70667	235.06087	44.05787	0.96457	0.0187470	0.32052071	2.1146183	20	2 6.8	20.7
180844 2005 GX_{113}	16.1	X	40.76196	226.22355	74.16367	9.91355	0.1551337	0.28073115	2.3099840	20	11 8.2	18.9
180845 2005 GG_{114}	17.1	X	326.06577	250.86329	132.28640	2.26709	0.1648984	0.28770179	2.2725198	20	10 31.7	18.6
180846 2005 GE_{133}	17.0	X	156.65927	255.02730	86.04123	3.26468	0.1574508	0.31090852	2.1579811	20	1 10.2	19.9
180847 2005 GM_{136}	17.0	X	140.65362	194.43209	96.77658	6.42256	0.1867521	0.29623676	2.2286580	20	—	—
180848 2005 GV_{152}	17.5	X	125.62729	154.05884	108.69003	2.52180	0.1659312	0.29042728	2.2582799	20	12 17.3	20.8
180849 2005 GX_{152}	16.9	X	54.55848	74.81202	186.62912	6.64239	0.0898051	0.27823679	2.3237693	20	9 19.8	19.5
180850 2005 GX_{160}	17.1	X	134.97306	208.11370	45.43971	5.43584	0.1775685	0.28984814	2.2612871	20	12 13.6	20.7
180851 2005 GZ_{161}	17.3	X	212.64533	301.60086	353.91472	5.38699	0.0303902	0.31410299	2.1433249	20	1 4.4	19.8
180852 2005 GA_{167}	16.8	X	234.19965	225.71492	51.54757	3.24850	0.1157351	0.31171037	2.1542787	20	1 5.5	19.7
180853 2005 GR_{167}	18.0	X	196.49767	159.60723	40.88836	1.86118	0.1309962	0.29366364	2.2416575	20	12 12.5	20.9
180854 2005 GF_{169}	17.2	X	160.67663	182.53657	33.58677	6.44467	0.0866259	0.29089925	2.2558367	20	11 25.0	20.4
180855 Debrarose	16.9	X	163.29782	339.08743	185.33332	4.34403	0.0947530	0.28239439	2.3009049	20	9 19.1	19.9
180856 2005 HX_{5}	16.7	X	126.93018	195.78638	159.31520	7.87975	0.1945594	0.23794662	2.5791881	20	1 10.3	20.5
180857 Hofigéza	16.9	X	220.50307	117.54048	34.88618	6.34590	0.1058405	0.29161041	2.2521676	20	11 10.3	19.5
180858 2005 HX_{7}	16.6	X	324.95462	164.81674	121.09391	6.02527	0.1919021	0.26369007	2.4084642	20	5 10.5	19.0
180859 2005 JA_{17}	16.7	X	162.29317	248.55567	311.34830	5.10723	0.1242763	0.28873150	2.2671135	20	11 1.8	20.1
180860 2005 JR_{19}	16.8	X	166.84045	272.95345	35.26861	1.42500	0.1327576	0.30456830	2.1878267	20	—	—
180861 2005 JS_{22}	16.8	X	55.59170	305.13236	340.02680	4.95687	0.1594624	0.28268285	2.2993394	20	11 2.7	19.9
180862 2005 JM_{26}	16.5	X	301.63210	241.09259	182.79701	6.52671	0.0819426	0.28639548	2.2794248	20	11 15.1	18.8
180863 2005 JE_{27}	16.8	X	229.19882	225.04360	190.44217	7.35734	0.0907463	0.27121592	2.3637013	20	7 7.6	20.2
180864 2005 JL_{27}	16.6	X	347.26707	194.66634	80.33968	7.53803	0.1195094	0.26621713	2.3931985	20	6 14.5	18.7
180865 2005 JW_{28}	17.4	X	132.97607	91.81995	167.09002	7.30944	0.1230285	0.28928824	2.2642039	20	12 20.0	20.8
180866 2005 JC_{35}	17.0	X	178.52055	66.92217	155.99364	5.25812	0.1167727	0.29200356	2.2501456	20	12 22.7	20.1
180867 2005 JO_{41}	16.3	X	75.54912	352.76634	56.41239	8.42900	0.1633233	0.24257064	2.5463058	20	1 4.5	19.0
180868 2005 JP_{42}	17.0	X	161.41165	142.04014	102.90629	2.94221	0.0317356	0.29389137	2.2404994	20	—	—
180869 2005 JZ_{42}	17.3	X	186.37942	354.54326	184.11394	4.25363	0.1444670	0.28889558	2.2662550	20	11 1.1	20.4
180870 2005 JR_{44}	17.0	X	0.63893	192.33678	111.89561	2.26531	0.1930969	0.27136234	2.3628510	20	9 8.3	18.7
180871 2005 JS_{54}	17.4	X	348.61705	27.50832	251.51121	0.69006	0.1614433	0.26573583	2.3960873	20	6 22.8	19.1
180872 2005 JQ_{74}	17.5	X	226.74542	281.42482	187.02340	2.60107	0.1075437	0.28284650	2.2984524	20	9 16.8	20.5
180873 2005 JZ_{74}	16.2	X	243.74969	306.05124	284.36989	3.37446	0.1250823	0.24209583	2.5496340	20	—	—
180874 2005 JW_{81}	16.9	X	343.00486	95.39161	179.81476	6.34573	0.0994616	0.26492410	2.4009793	20	6 8.2	19.4
180875 2005 JR_{84}	16.7	X	204.95226	126.58514	82.72910	6.76118	0.1035306	0.29809169	2.2194028	20	—	—
180876 2005 JU_{88}	15.8	X	136.39667	170.68647	163.38035	4.54403	0.2614369	0.23357711	2.6112545	20	1 3.2	19.8
180877 2005 JF_{90}	16.1	X	109.36368	259.42881	67.09894	8.98629	0.1868692	0.22980049	2.6397862	20	—	—
180878 2005 JQ_{91}	17.1	X	193.99233	343.80681	238.49029	7.37465	0.0826118	0.29573844	2.2311608	20	—	—
180879 2005 JU_{93}	16.9	X	39.86925	313.73952	252.50330	1.97041	0.1222284	0.26430201	2.4047452	20	6 10.1	19.1
180880 2005 JN_{101}	17.3	X	250.68586	273.12060	203.09965	1.46365	0.0971381	0.28826578	2.2695547	20	11 4.1	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
180881 2005 JK_{104}	17.5	X	256.39225	6.14326	234.99554	4.08740	0.1052629	0.30961094	2.1640063	20	—	—
180882 2005 JU_{111}	17.1	X	114.95721	234.40545	33.91243	6.41849	0.1674586	0.28860872	2.2677565	20	12 13.7	20.7
180883 2005 JQ_{112}	15.8	X	204.83806	162.61602	164.26207	12.12171	0.2427490	0.24340301	2.5404974	20	2 14.8	20.3
180884 2005 JG_{117}	16.8	X	329.82602	151.90283	165.15925	5.39189	0.1882057	0.26740061	2.3861320	20	7 9.9	18.8
180885 2005 JX_{122}	17.2	X	163.44994	8.19223	237.97023	3.18581	0.0698706	0.29425287	2.2386640	20	—	—
180886 2005 JZ_{122}	16.5	X	158.16311	349.04151	331.29276	0.38097	0.1827902	0.23762968	2.5814810	20	—	—
180887 2005 JY_{124}	16.1	X	126.45706	177.12427	180.73510	13.57858	0.2062820	0.23658188	2.5890975	20	1 13.7	20.1
180888 2005 JW_{125}	17.1	X	322.85396	267.79646	354.26573	1.57535	0.1618060	0.25888425	2.4381793	20	4 2.7	19.5
180889 2005 JR_{133}	16.8	X	286.72128	195.97575	126.25344	4.24993	0.2411192	0.25944312	2.4346766	20	4 23.3	20.0
180890 2005 JL_{135}	16.5	X	241.89244	347.58049	220.90457	4.28919	0.0610209	0.30108585	2.2046644	20	—	—
180891 2005 JL_{137}	17.2	X	350.90615	148.57486	150.47800	2.93290	0.1809972	0.26946991	2.3739006	20	8 2.8	18.8
180892 2005 JZ_{144}	15.8	X	142.63019	233.85540	86.95323	4.53593	0.2074928	0.23285283	2.6166665	20	—	—
180893 2005 JU_{146}	15.7	X	69.68748	213.06557	158.28736	13.78577	0.2101062	0.22941800	2.6427194	20	—	—
180894 2005 JV_{149}	17.1	X	151.38336	345.04702	180.12181	6.99155	0.0525172	0.27800452	2.3250635	20	9 5.5	20.2
180895 2005 JQ_{156}	16.9	X	33.90291	245.69117	357.81327	3.44462	0.1438684	0.26999043	2.3708485	20	8 1.3	19.2
180896 2005 JP_{160}	16.8	X	77.91291	112.85301	166.69333	5.47037	0.1113142	0.28332865	2.2958440	20	11 18.9	19.9
180897 2005 JC_{161}	16.6	X	190.15534	150.00782	178.40848	6.54172	0.1407707	0.24547561	2.5261772	20	2 2.5	20.6
180898 2005 JQ_{162}	17.1	X	292.72133	222.90851	172.30175	5.46904	0.0861662	0.27749190	2.3279260	20	9 12.9	19.4
180899 2005 JC_{163}	17.0	X	146.33021	101.58704	178.89861	2.21661	0.0421651	0.29621958	2.2287441	20	—	—
180900 2005 JD_{165}	17.2	X	30.82965	253.72270	345.10328	0.93610	0.1449488	0.26795327	2.3828498	20	7 18.3	19.5
180901 2005 JL_{167}	16.7	X	87.82946	165.32408	105.76648	4.51969	0.1592104	0.28203760	2.3028450	20	11 21.9	20.1
180902 2005 JX_{167}	16.8	X	208.54761	36.43910	262.22392	3.58451	0.1280684	0.23775948	2.5805413	20	1 16.3	20.8
180903 2005 JW_{178}	15.2	X	197.41763	280.67260	41.47922	14.99625	0.0934032	0.18505065	3.0498300	20	2 15.7	20.2
180904 2005 JG_{179}	17.3	X	123.39828	166.57378	92.81291	5.53935	0.1548482	0.28787649	2.2716003	20	12 10.9	20.7
180905 2005 JU_{181}	17.0	X	80.22450	2.37433	239.39188	2.35919	0.0384605	0.28048193	2.3113522	20	9 19.0	19.7
180906 2005 KB_{6}	17.4	X	139.33001	197.02933	87.14920	3.84114	0.1152206	0.29468561	2.2364718	20	—	—
180907 2005 KW_{7}	17.4	X	134.72803	82.30237	212.17633	4.77554	0.1608407	0.29358590	2.2420532	20	—	—
180908 2005 KT_{8}	17.0	X	281.74082	14.31370	141.95585	3.97691	0.1598773	0.30149527	2.2026680	20	—	—
180909 2005 KA_{10}	17.1	X	217.14521	201.13623	14.78734	6.51248	0.0927207	0.29856519	2.2170557	20	—	—
180910 2005 KB_{11}	16.7	X	196.23421	325.18218	327.20481	3.31780	0.2287753	0.23835937	2.5762098	20	1 1.1	21.2
180911 2005 KN_{11}	16.3	X	71.48793	342.90154	269.07691	9.35541	0.1840402	0.27318829	2.3523106	20	10 6.8	19.9
180912 2005 LY_{2}	16.9	X	197.98049	24.27377	192.70319	6.50767	0.0513704	0.29391580	2.2403752	20	—	—
180913 2005 LD_{4}	16.7	X	288.12595	129.73780	142.53807	6.54224	0.1072138	0.25485710	2.4637968	20	3 8.4	19.9
180914 2005 LM_{5}	16.8	X	60.56122	130.41342	145.92168	4.96641	0.2238309	0.27663578	2.3327264	20	11 7.5	20.2
180915 2005 LO_{5}	16.8	X	167.28587	59.70237	210.12995	6.24296	0.1830094	0.29541509	2.2327885	20	—	—
180916 2005 LU_{9}	16.9	X	184.20148	2.44709	178.92913	5.95480	0.0499905	0.28499396	2.2868918	20	11 11.5	19.8
180917 2005 LZ_{9}	15.9	X	143.47834	220.59992	100.88806	13.75527	0.1940143	0.23223852	2.6212788	20	—	—
180918 2005 LJ_{11}	16.4	X	20.53111	352.28215	267.77056	5.61036	0.1058256	0.26385648	2.4074514	20	7 24.6	18.9
180919 2005 LU_{14}	15.7	X	122.92628	144.04221	193.79030	7.82062	0.2042566	0.23302454	2.6153809	20	—	—
180920 2005 LN_{16}	16.6	X	117.79818	49.48101	260.83068	3.90793	0.1064587	0.22283581	2.6945075	20	—	—
180921 2005 LV_{16}	16.8	X	135.29748	100.69205	76.88663	7.33252	0.0630247	0.27652995	2.3333216	20	9 8.0	20.1
180922 2005 LY_{16}	15.6	X	152.95285	262.23607	86.46420	5.65797	0.2891224	0.23777060	2.5804609	20	2 7.0	20.0
180923 2005 LG_{17}	17.2	X	355.63104	14.40371	238.85679	1.33828	0.1657553	0.26303407	2.4124670	20	5 26.5	19.1
180924 2005 LH_{17}	17.0	X	169.97147	151.82029	76.60570	4.73661	0.0762160	0.29124963	2.2540271	20	12 23.9	20.0
180925 2005 LY_{23}	16.2	X	127.04860	23.62274	239.03137	23.95780	0.1428372	0.28721631	2.2750799	20	12 16.1	19.9
180926 2005 LD_{24}	16.2	X	308.03139	15.12364	269.56576	5.03029	0.2039827	0.25490729	2.4634734	20	4 2.0	19.1
180927 2005 LX_{24}	16.3	X	5.26279	157.48728	118.30753	4.59094	0.1822387	0.26204930	2.4185072	20	7 28.8	18.2
180928 2005 LX_{26}	17.0	X	220.35289	155.25506	108.21362	3.51296	0.0967294	0.23463926	2.6033682	20	—	—
180929 2005 LG_{27}	17.1	X	2.19205	281.61525	162.46357	6.77615	0.0781956	0.30169903	2.2016761	20	—	—
180930 2005 LS_{30}	15.1	X	43.24967	311.41445	277.30632	10.46396	0.0808729	0.18961163	3.0007241	20	7 8.5	19.1
180931 2005 LW_{30}	16.1	X	112.38788	156.59650	168.30132	16.06892	0.1805672	0.22745534	2.6578999	20	—	—
180932 2005 LG_{31}	15.9	X	170.61313	277.86845	73.51639	7.31960	0.2707857	0.24165743	2.5527167	20	2 23.6	20.4
180933 2005 LR_{32}	17.1	X	145.90541	49.57461	156.44772	3.54372	0.0873233	0.28374506	2.2935973	20	10 27.2	20.4
180934 2005 LE_{33}	17.3	X	171.24194	199.61800	86.12507	5.33985	0.1673415	0.29987299	2.2106050	20	—	—
180935 2005 LP_{38}	17.2	X	137.65728	23.02583	195.53092	5.20511	0.1345660	0.28406550	2.2918722	20	11 2.9	20.6
180936 2005 LM_{40}	17.1	X	94.04846	32.20086	202.17286	1.85311	0.1350199	0.27366631	2.3495705	20	10 7.6	20.5
180937 2005 LM_{41}	16.5	X	27.65578	57.75597	100.48427	3.46054	0.0495259	0.24622485	2.5210500	20	3 7.5	19.4
180938 2005 LH_{45}	17.9	X	207.34666	99.07132	164.77601	6.63623	0.1511606	0.30257039	2.1974471	20	—	—
180939 2005 LE_{51}	15.7	X	76.94811	183.62143	119.08809	7.17048	0.2276614	0.21201616	2.7854160	20	12 13.4	20.2
180940 2005 ML_{2}	17.0	X	32.88348	183.25256	112.49254	3.90228	0.1741571	0.27445296	2.3450788	20	10 23.1	19.7
180941 2005 MX_{2}	16.1	X	309.21870	48.52111	262.69465	3.53090	0.1971072	0.25593678	2.4568629	20	5 15.9	18.7
180942 2005 MB_{3}	16.4	X	358.17415	218.42101	85.05624	3.33376	0.2259640	0.26367915	2.4085307	20	9 4.6	18.0
180943 2005 ML_{4}	16.8	X	199.63403	217.92052	69.62118	0.62383	0.1304582	0.23825666	2.5769502	20	—	—
180944 2005 MH_{8}	16.9	X	34.03920	3.73160	295.95976	3.99788	0.1476561	0.27092318	2.3654037	20	10 21.0	19.7
180945 2005 MR_{10}	16.9	X	199.44680	301.91985	159.29847	3.87126	0.1117208	0.27361045	2.3498904	20	8 2.9	20.2
180946 2005 MH_{12}	16.2	X	317.42953	306.55788	342.99841	4.61393	0.1819982	0.25560636	2.4589797	20	4 29.0	18.9
180947 2005 MQ_{13}	17.0	X	12.06403	342.53130	322.78744	1.84634	0.2078865	0.26872542	2.3782831	20	10 4.1	19.2
180948 2005 MT_{15}	16.5	X	197.91082	120.40181	117.13247	2.53388	0.0501367	0.22496602	2.6774709	20	—	—
180949 2005 MA_{17}	16.2	X	250.72896	294.55198	287.79821	7.11455	0.0268821	0.23020543	2.6366896	20	—	—
180950 2005 MT_{17}	16.3	X	86.32758	14.92516	297.27140	4.70730	0.0470234	0.21575693	2.7531268	20	12 17.6	20.1
180951 2005 MZ_{21}	16.9	X	48.23365	311.98613	310.51320	1.63221	0.1753362	0.26838690	2.3802825	20	9 24.5	19.8
180952 2005 ML_{22}	17.1	X	146.05838	82.48361	122.97548	7.14378	0.1813739	0.27758399	2.3274112	20	10 26.4	20.9
180953 2005 MR_{22}	16.4	X	80.69581	206.91848	126.82125	3.70246	0.1111639	0.21754161	2.7380486	20	—	—
180954 2005 MU_{22}	16.9	X	281.15827	307.41289	305.82379	1.69904	0.1353892	0.24297963	2.5434477	20	2 1.0	20.2
180955 2005 MU_{29}	16.2	X	175.96528	140.03385	153.21276	9.76534	0.0664991	0.22847151	2.6500131	20	—	—
180956 2005 MV_{31}	17.0	X	31.73472	247.29863	54.12483	2.24039	0.1904320	0.27086176	2.3657613	20	10 29.6	19.6
180957 2005 MB_{32}	16.0	X	303.85789	284.38869	18.15429	2.46518	0.1800503	0.25472734	2.4646335	20	4 27.4	18.9
180958 2005 MO_{33}	16.9	X	110.95085	18.15486	176.38825	2.22350	0.1612538	0.26989201	2.3714248	20	9 4.6	20.5
180959 2005 MJ_{34}	15.1	X	175.09464	249.22783	131.25606	15.30824	0.2354654	0.17320533	3.1873411	20	4 5.5	20.8
180960 2005 MX_{34}	15.8	X	1.54478	210.88415	128.59243	13.83546	0.1135259	0.20283182	2.8688774	20	10 13.5	19.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
180961 2005 MJ_{35}	17.2	X	18.34338	182.52030	78.88941	0.03577	0.1930536	0.26340218	2.4102188	20	8 5.3	19.2
180962 2005 MW_{35}	16.3	X	320.88670	305.59582	5.96394	1.16136	0.1817307	0.25894108	2.4378225	20	6 11.1	18.3
180963 2005 MK_{36}	16.5	X	358.71881	37.05684	85.47843	2.60073	0.0372898	0.23140192	2.6275929	20	—	—
180964 2005 MS_{36}	15.8	X	90.40771	3.22049	306.87658	8.15347	0.1532084	0.21642449	2.7474625	20	12 29.0	20.1
180965 2005 MB_{37}	16.5	X	353.60547	153.68643	187.90235	1.79037	0.0762139	0.20307522	2.8665846	20	9 24.5	20.0
180966 2005 MH_{37}	16.4	X	43.93891	118.89806	280.23241	4.61941	0.0995496	0.22167089	2.7039393	20	—	—
180967 2005 MJ_{37}	16.6	X	347.63052	131.37409	236.28210	1.16815	0.0817225	0.20619054	2.8376374	20	10 20.8	19.9
180968 2005 MX_{37}	16.3	X	88.42146	209.91723	139.08882	6.98819	0.0300700	0.22228696	2.6989410	20	—	—
180969 2005 MM_{39}	16.3	X	99.46294	153.02098	165.47003	5.85528	0.0602014	0.21876728	2.7278122	20	—	—
180970 2005 MN_{39}	16.0	X	49.75334	340.04512	341.63439	5.07667	0.0418611	0.21007797	2.8025221	20	11 11.6	19.9
180971 2005 MX_{39}	16.6	X	311.11080	114.00073	121.19518	11.13743	0.1818532	0.24577227	2.5241440	20	2 7.9	19.9
180972 2005 MB_{42}	16.9	X	342.28110	72.53391	213.52730	3.86573	0.1809433	0.25921831	2.4360840	20	6 18.2	18.9
180973 2005 MS_{46}	16.8	X	267.19782	106.75480	158.06846	5.70667	0.2082690	0.24317277	2.5421007	20	1 24.1	20.8
180974 2005 MB_{47}	15.5	X	191.59923	261.48550	111.87202	8.62226	0.2355347	0.17619720	3.1511570	20	4 7.9	21.1
180975 2005 MM_{48}	15.5	X	215.29415	229.81024	165.38885	10.03215	0.1234295	0.18538724	3.0461374	20	5 25.1	20.4
180976 2005 MU_{49}	16.7	X	130.60174	53.16871	285.70005	1.88827	0.0756492	0.22874143	2.6479280	20	—	—
180977 2005 NB_{1}	16.1	X	56.59621	151.65156	176.47111	8.09579	0.2209910	0.21283116	2.7783006	20	12 23.3	20.4
180978 2005 NZ_{5}	16.2	X	103.90045	197.58080	151.53297	2.34933	0.2042363	0.22990160	2.6390121	20	—	—
180979 2005 NW_{7}	16.1	X	233.47464	156.62822	245.20592	3.44209	0.1601686	0.18862602	3.0111680	20	6 15.6	20.8
180980 2005 NQ_{8}	15.9	X	205.81733	191.23133	148.07106	9.40382	0.0779897	0.17508124	3.1645331	20	3 10.9	20.8
180981 2005 NN_{9}	16.7	X	137.53556	187.65827	168.14836	3.30260	0.0520283	0.23208476	2.6224365	20	1 6.0	20.2
180982 2005 NU_{11}	16.5	X	25.36267	233.28525	116.76552	2.76028	0.0856400	0.21149408	2.7899981	20	11 24.7	20.2
180983 2005 NU_{12}	16.2	X	97.44275	142.50215	235.21786	1.79284	0.0746788	0.22992417	2.6388394	20	—	—
180984 2005 NX_{12}	15.6	X	238.50558	194.47739	296.88266	12.55276	0.0913704	0.21161918	2.7888984	20	10 17.1	19.9
180985 2005 NC_{13}	16.5	X	327.46296	108.73621	193.95052	1.95543	0.2174076	0.25933392	2.4353600	20	6 5.9	18.4
180986 2005 NK_{14}	16.0	X	93.81655	119.28228	164.92229	5.13613	0.1443466	0.20951800	2.8075133	20	11 30.1	20.4
180987 2005 NU_{15}	16.0	X	82.78055	13.54774	307.05249	4.87497	0.0358032	0.21759885	2.7375685	20	12 23.2	19.9
180988 2005 NY_{15}	16.4	X	110.61382	328.73303	320.82360	4.24306	0.0991205	0.21752967	2.7381488	20	12 20.5	20.5
180989 2005 NO_{16}	17.2	X	78.54068	162.51192	65.55726	3.23627	0.0765927	0.26766624	2.3845530	20	9 4.4	20.2
180990 2005 NL_{17}	16.5	X	268.37318	50.13117	129.77838	2.72976	0.0287591	0.22542301	2.6738511	20	—	—
180991 2005 NP_{19}	16.4	X	319.20020	124.01778	257.22116	0.95849	0.0765221	0.20336004	2.8639074	20	9 23.5	19.9
180992 2005 NF_{20}	15.8	X	277.98267	223.01390	116.53941	8.54650	0.2486700	0.25574006	2.4581226	20	5 6.7	19.3
180993 2005 NQ_{20}	16.2	X	291.00315	319.43426	334.26905	4.66060	0.2201702	0.25405683	2.4689681	20	3 21.4	19.7
180994 2005 NT_{21}	16.5	X	70.39316	65.94170	237.25790	3.41105	0.0563087	0.21133747	2.7913762	20	11 17.9	20.2
180995 2005 NG_{22}	16.9	X	125.68919	138.22934	157.98975	5.28728	0.1443693	0.22022421	2.7157680	20	—	—
180996 2005 NT_{23}	16.0	X	11.29690	131.82807	200.68532	6.25528	0.0652068	0.20504107	2.8482327	20	10 8.4	19.4
180997 2005 NW_{29}	16.6	X	157.94831	117.82942	123.20882	4.86103	0.0870949	0.21803695	2.7339001	20	12 10.3	20.7
180998 2005 NF_{36}	15.6	X	194.80230	246.79488	137.26004	20.61748	0.1860833	0.17869136	3.1217660	20	4 26.2	21.2
180999 2005 NE_{39}	16.5	X	237.93315	269.14144	13.74863	3.71806	0.1523542	0.24079201	2.5588294	20	1 25.1	20.5
181000 2005 NH_{39}	16.8	X	94.52307	240.14541	27.47293	4.89916	0.1060495	0.27852429	2.3221699	20	11 18.0	20.0
181001 2005 ND_{40}	16.1	X	309.70984	136.62025	283.53196	3.26095	0.0582894	0.21140711	2.7907632	20	11 1.7	19.6
181002 2005 NG_{45}	16.8	X	146.80469	139.42238	101.12523	6.70635	0.0721863	0.28833236	2.2692053	20	12 12.9	19.9
181003 2005 NJ_{47}	17.0	X	16.39073	244.94197	57.13220	1.39435	0.2172659	0.26848591	2.3796973	20	10 10.4	19.1
181004 2005 NU_{47}	16.8	X	333.08244	224.34131	63.55104	3.00246	0.1747596	0.25859374	2.4400050	20	5 31.0	18.6
181005 2005 NX_{48}	15.6	X	334.20884	44.71431	329.61326	11.44937	0.1101708	0.20332655	2.8642218	20	10 2.9	19.1
181006 2005 ND_{54}	17.0	X	197.47883	100.00320	190.85220	2.56944	0.1011565	0.23285858	2.6166234	20	—	—
181007 2005 NG_{55}	15.3	X	190.28648	250.10289	144.17751	10.72540	0.1033536	0.18190352	3.0849064	20	5 1.7	20.3
181008 2005 NH_{57}	16.4	X	6.93464	116.89417	146.31830	6.42853	0.1826789	0.26097894	2.4251154	20	7 10.4	18.3
181009 2005 NE_{63}	16.6	X	44.95206	118.77519	190.26810	12.94175	0.2361696	0.27359719	2.3499663	20	12 3.2	20.1
181010 2005 NA_{64}	16.2	X	286.30021	340.05681	260.30240	6.29827	0.0827484	0.24138549	2.5546335	20	1 26.9	19.8
181011 2005 NM_{65}	16.5	X	67.06277	168.34596	158.68778	4.59574	0.1017138	0.21363810	2.7713002	20	12 19.7	20.5
181012 2005 NE_{67}	16.3	X	35.76632	62.95792	207.76646	1.26147	0.0111463	0.19893051	2.9062644	20	8 14.8	20.3
181013 2005 NU_{73}	16.4	X	324.63840	226.46965	132.04192	3.02028	0.0815757	0.20139889	2.8824691	20	9 1.9	19.8
181014 2005 ND_{74}	16.7	X	244.71699	326.55167	240.65300	1.14863	0.1389148	0.22942864	2.6426377	20	—	—
181015 2005 NU_{77}	16.4	X	49.17527	75.02031	276.76871	6.22270	0.0989948	0.21491646	2.7602999	20	12 29.2	20.1
181016 2005 ND_{78}	16.5	X	17.29314	80.61688	310.32694	2.93962	0.1058907	0.21467549	2.7623651	20	—	—
181017 2005 NK_{78}	17.0	X	151.59066	352.64804	310.30003	1.62717	0.0899328	0.22590270	2.6700646	20	—	—
181018 2005 NU_{80}	15.3	X	227.92288	214.83672	192.26396	12.48766	0.2097751	0.18953096	3.0015756	20	6 12.9	20.4
181019 2005 NY_{84}	15.3	X	244.71842	248.95669	97.70757	6.26819	0.1542561	0.17977117	3.1092527	20	4 23.3	20.1
181020 2005 NW_{86}	16.3	X	46.38920	32.97503	259.33531	0.89833	0.0549733	0.20531021	2.8457431	20	10 3.2	20.1
181021 2005 NQ_{97}	16.3	X	19.37209	57.49145	282.93424	4.46604	0.0607537	0.20919739	2.8103811	20	10 28.9	19.9
181022 2005 ND_{101}	16.6	X	57.18681	77.05427	181.68565	6.72269	0.1112934	0.26828727	2.3808718	20	9 21.9	19.5
181023 2005 NW_{107}	17.4	X	201.06290	109.61777	181.42095	1.07647	0.0825550	0.23500530	2.6006642	20	—	—
181024 2005 NM_{115}	16.5	X	37.40085	296.67826	129.71176	1.98567	0.1356618	0.22690994	2.6621572	20	—	—
181025 2005 OU_{3}	16.7	X	76.63341	246.19855	21.67058	7.00985	0.1953331	0.27494962	2.3422539	20	11 6.5	20.3
181026 2005 OX_{3}	16.6	X	104.64373	153.50226	191.59464	6.10586	0.0443470	0.22360870	2.6882949	20	—	—
181027 2005 OR_{6}	15.4	X	199.64211	264.98113	99.11183	6.09932	0.2285887	0.17399147	3.1777330	20	4 2.3	20.9
181028 2005 OW_{9}	16.8	X	14.18246	175.51416	88.38891	3.60140	0.2089080	0.26136548	2.4227238	20	8 3.3	18.6
181029 2005 OX_{9}	16.4	X	341.71375	299.87134	20.94315	2.90956	0.1897551	0.26260764	2.4150779	20	8 18.3	18.2
181030 2005 OP_{11}	16.6	X	299.22370	234.48596	106.82961	3.49507	0.2246474	0.25667947	2.4521214	20	6 8.7	19.4
181031 2005 OX_{11}	15.3	X	195.47023	70.13162	319.14542	10.97596	0.2154844	0.17728402	3.1382653	20	4 20.4	20.9
181032 2005 OO_{12}	15.2	X	217.47512	318.81149	132.56249	11.06897	0.0774699	0.19252334	2.9703922	20	8 8.2	19.6
181033 2005 OX_{12}	16.3	X	44.52330	223.54101	57.37575	3.20889	0.1658783	0.26754549	2.3852704	20	10 15.2	19.2
181034 2005 OM_{19}	16.4	X	56.58464	312.01067	349.96480	1.58940	0.0417437	0.20655956	2.8342567	20	10 26.9	20.4
181035 2005 OO_{20}	16.7	X	80.19144	354.11712	9.07265	3.04658	0.1496295	0.21963048	2.7206602	20	—	—
181036 2005 OV_{20}	16.1	X	275.14114	358.22746	342.44489	8.99520	0.0465797	0.18638053	3.0353051	20	5 30.1	20.5
181037 2005 OE_{22}	15.7	X	88.77891	263.23245	351.85276	9.76352	0.1092572	0.20454604	2.8528263	20	10 12.8	20.0
181038 2005 OZ_{22}	14.9	X	246.28658	188.34754	144.48965	14.35429	0.1790560	0.17945381	3.1129173	20	4 7.8	20.0
181039 2005 OH_{24}	15.8	X	203.47466	119.70189	258.91723	4.63551	0.0577757	0.17981176	3.1087848	20	4 22.2	20.4
181040 2005 OM_{25}	16.1	X	17.03459	199.97076	164.38198	5.67787	0.0573002	0.20924580	2.8099476	20	11 27.9	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
181041 2005 OB_{28}	16.6	X	145.61385	4.71419	290.51209	4.39974	0.1543612	0.22171440	2.7035855	20	—	—
181042 2005 OF_{29}	16.2	X	53.46549	195.65064	171.82067	14.48575	0.2207355	0.21554679	2.7549159	20	—	—
181043 Anan	15.0	X	245.18465	196.31847	160.35599	16.99748	0.2011053	0.17719820	3.1392784	20	5 3.3	20.3
181044 2005 PE_{1}	15.7	X	75.04628	3.38351	345.74041	8.57783	0.0766742	0.21750163	2.7383841	20	—	—
181045 2005 PU_{1}	15.2	X	237.78442	268.28815	127.76919	10.76326	0.1037217	0.18718856	3.0265639	20	6 19.4	19.9
181046 2005 PU_{2}	16.5	X	31.86756	208.88803	52.78994	1.81223	0.1680424	0.26458178	2.4030498	20	8 28.9	19.1
181047 2005 PJ_{3}	16.4	X	319.22158	237.03214	137.76702	5.79271	0.1948657	0.26520058	2.3993102	20	9 24.2	18.1
181048 2005 PS_{3}	14.8	X	191.99064	248.05114	89.54006	15.31446	0.2279143	0.17231920	3.1982587	20	2 29.6	20.5
181049 2005 PH_{4}	15.7	X	30.38658	265.61127	359.01612	13.87805	0.1858482	0.26425031	2.4050589	20	9 5.3	18.2
181050 2005 PB_{5}	16.4	X	321.73470	240.29169	54.36349	5.99442	0.1787967	0.25627633	2.4546922	20	5 17.5	18.8
181051 2005 PC_{5}	16.2	X	131.61281	160.87547	142.03064	4.86048	0.2034761	0.22165444	2.7040731	20	—	—
181052 2005 PO_{8}	16.6	X	50.05394	167.13842	73.59699	3.49914	0.1523660	0.26345405	2.4099024	20	8 25.2	19.4
181053 2005 PH_{9}	16.8	X	248.27140	149.38869	141.51694	3.48490	0.1644935	0.24122472	2.5557685	20	2 11.5	20.6
181054 2005 PZ_{11}	15.8	X	258.76878	264.91037	125.05481	4.32362	0.0831189	0.19048816	2.9915118	20	7 8.6	20.1
181055 2005 PA_{14}	15.4	X	330.82430	230.05742	105.46452	3.06082	0.0850558	0.19501068	2.9450801	20	8 10.3	18.9
181056 2005 PX_{17}	15.9	X	44.96583	297.30882	154.20918	22.03233	0.0297887	0.23145078	2.6272231	20	1 4.6	19.7
181057 2005 PT_{18}	14.9	X	275.69904	17.26516	308.43686	13.63166	0.2825542	0.18153530	3.0890765	20	4 4.8	20.0
181058 2005 PQ_{19}	16.5	X	354.02635	152.08935	161.01152	9.26582	0.2489414	0.26452946	2.4033666	20	9 12.3	17.8
181059 2005 QJ_{1}	16.7	X	125.77366	69.41146	235.44421	2.81979	0.1201209	0.22037456	2.7145327	20	—	—
181060 2005 QX_{1}	16.5	X	336.58553	328.47866	302.80353	6.27053	0.1446695	0.25417974	2.4681720	20	5 13.4	19.0
181061 2005 QF_{2}	15.5	X	221.80081	169.00928	182.68667	7.44965	0.1121509	0.17927047	3.1150394	20	4 8.2	20.4
181062 2005 QG_{2}	16.6	X	89.81314	70.57334	164.51087	11.13031	0.1965742	0.27144314	2.3623821	20	10 12.1	20.2
181063 2005 QP_{4}	15.4	X	227.79141	194.54160	159.90729	16.13680	0.0915296	0.17721156	3.1391207	20	4 22.4	20.4
181064 2005 QT_{4}	15.2	X	159.37821	173.23500	163.66974	31.99248	0.0949081	0.22838048	2.6507172	20	1 14.1	19.7
181065 2005 QY_{5}	15.4	X	229.29989	1.18033	331.90590	5.08147	0.1303992	0.17550521	3.1594346	20	3 21.3	20.5
181066 2005 QC_{6}	15.0	X	228.65906	171.45641	163.79684	12.90833	0.1531559	0.17562284	3.1580237	20	3 24.9	20.0
181067 2005 QG_{9}	15.1	X	157.22921	322.85297	39.58788	2.19013	0.1608586	0.16475007	3.2954823	20	2 23.8	20.3
181068 2005 QA_{12}	15.5	X	228.31669	204.85441	194.10439	9.75337	0.0832209	0.18658385	3.0330997	20	6 14.0	20.1
181069 2005 QF_{15}	15.0	X	238.65493	6.32779	334.56314	14.62669	0.1549358	0.17823163	3.1271319	20	4 1.8	20.1
181070 2005 QG_{15}	17.0	X	26.64547	83.74571	191.08695	1.75354	0.1958966	0.26361113	2.4089450	20	9 11.9	19.4
181071 2005 QH_{19}	15.6	X	231.43665	149.94893	167.89127	5.57921	0.1323044	0.17406730	3.1768101	20	3 6.8	20.6
181072 2005 QJ_{19}	15.7	X	294.78320	154.91098	163.49385	6.73843	0.0539484	0.18500726	3.0503068	20	5 29.3	20.0
181073 2005 QQ_{19}	16.0	X	359.76729	331.76709	315.02716	0.74597	0.1391283	0.19298032	2.9657010	20	7 22.8	19.2
181074 2005 QQ_{20}	15.6	X	351.24290	255.40458	100.01934	3.24205	0.0546365	0.20024830	2.8935000	20	10 9.5	19.2
181075 2005 QT_{20}	16.0	X	95.72718	191.49850	140.44272	7.12432	0.0768182	0.21549539	2.7553539	20	—	—
181076 2005 QG_{23}	15.8	X	192.66918	306.40483	1.80150	12.87311	0.1846134	0.23040262	2.6351850	20	1 19.6	20.4
181077 2005 QB_{26}	15.6	X	146.07757	112.72312	14.58728	10.50019	0.1269829	0.18128596	3.0919083	20	7 9.8	20.7
181078 2005 QH_{26}	16.2	X	303.62866	327.23683	83.22586	3.28395	0.0628403	0.19876404	2.9078869	20	10 11.1	19.8
181079 2005 QO_{27}	15.7	X	234.35678	34.36119	27.99528	9.82459	0.0363210	0.18757646	3.0223899	20	7 29.9	20.2
181080 2005 QP_{31}	15.6	X	289.76802	350.61206	327.49111	11.34707	0.2647262	0.25412126	2.4685507	20	4 10.3	19.3
181081 2005 QM_{36}	15.4	X	240.48981	157.75017	163.49795	9.10413	0.2325775	0.17507113	3.1646549	20	3 12.8	20.6
181082 2005 QC_{37}	15.3	X	272.52974	152.40065	187.14742	11.01916	0.1384895	0.18226903	3.0807808	20	5 15.8	19.8
181083 2005 QY_{37}	16.3	X	85.28883	86.17225	239.82649	2.19663	0.1909933	0.21252512	2.7809672	20	—	—
181084 2005 QN_{38}	15.7	X	128.57283	150.37553	151.31066	9.92218	0.1271499	0.21913804	2.7247346	20	—	—
181085 2005 QF_{42}	15.5	X	305.43259	127.36757	184.78404	0.55453	0.2263569	0.18637531	3.0353618	20	5 8.9	19.4
181086 2005 QL_{46}	15.1	X	77.34274	342.04906	156.43506	15.63800	0.1281990	0.17406689	3.1768151	20	5 10.9	19.7
181087 2005 QW_{47}	15.5	X	238.82291	240.83874	139.31721	8.80879	0.1572992	0.18222021	3.0813310	20	5 27.4	20.4
181088 2005 QB_{50}	15.2	X	201.34056	257.22209	112.13278	6.43718	0.2011003	0.17302726	3.1895276	20	4 10.2	20.7
181089 2005 QV_{51}	15.4	X	225.91444	218.74050	175.74053	10.19163	0.0803749	0.18418410	3.0593885	20	6 6.8	20.1
181090 2005 QB_{52}	16.7	X	81.86651	149.29571	195.60535	2.96982	0.0952659	0.21646704	2.7471025	20	—	—
181091 2005 QW_{53}	16.9	X	17.42363	243.98060	12.50769	1.30674	0.1638370	0.25849585	2.4406209	20	7 21.7	18.9
181092 2005 QN_{55}	16.0	X	180.27075	301.75029	346.22707	13.94806	0.1388374	0.22637010	2.6663880	20	—	—
181093 2005 QB_{56}	15.5	X	9.18921	303.63705	37.75503	2.89066	0.0547360	0.19997620	2.8961241	20	10 15.6	19.3
181094 2005 QF_{56}	15.3	X	296.85396	197.50527	148.80913	9.56603	0.1086112	0.18943915	3.0025452	20	6 28.9	19.4
181095 2005 QE_{59}	15.6	X	314.88853	282.73182	107.12600	2.81378	0.0409373	0.19862277	2.9092655	20	10 1.8	19.3
181096 2005 QC_{61}	15.8	X	223.50096	154.88043	286.34104	4.97682	0.0330214	0.19272871	2.9682817	20	8 6.1	20.1
181097 2005 QG_{64}	16.1	X	39.30276	209.55939	109.59104	3.18677	0.0657818	0.20370477	2.8606754	20	10 31.3	19.9
181098 2005 QW_{64}	15.0	X	208.58740	4.70330	357.00750	12.39937	0.1661098	0.17497758	3.1657827	20	4 2.6	20.2
181099 2005 QC_{66}	15.5	X	196.44680	47.35567	312.70232	4.93484	0.1955657	0.17304775	3.1892758	20	3 21.7	21.0
181100 2005 QV_{69}	16.1	X	16.46007	166.72289	127.06970	1.96382	0.1744562	0.26516394	2.3995312	20	9 20.1	18.3
181101 2005 QA_{70}	17.1	X	89.58083	259.07223	18.49990	2.57239	0.1912214	0.27639789	2.3340647	20	12 1.5	20.7
181102 2005 QB_{71}	14.9	X	235.67093	187.06750	176.48031	9.76422	0.1038724	0.17804294	3.1293409	20	5 8.8	19.7
181103 2005 QQ_{71}	15.8	X	304.77333	340.81178	338.99966	4.02988	0.1683025	0.18620700	3.0371906	20	5 26.2	19.7
181104 2005 QD_{72}	16.7	X	16.50215	99.22169	205.18541	2.00940	0.1908063	0.26533553	2.3984966	20	10 7.9	19.2
181105 2005 QO_{72}	15.6	X	39.60394	10.13648	316.78184	5.45463	0.0656052	0.20314434	2.8659343	20	11 6.9	19.6
181106 2005 QW_{73}	15.5	X	314.34708	25.70859	342.86100	11.46520	0.0857773	0.19298744	2.9656281	20	8 29.1	19.0
181107 2005 QN_{76}	15.9	X	230.49101	259.45250	153.53432	10.45169	0.0918592	0.18876132	3.0097289	20	7 2.9	20.5
181108 2005 QS_{76}	15.4	X	190.38238	59.05425	344.58318	9.14705	0.1054312	0.17918116	3.1160744	20	5 5.9	20.4
181109 2005 QZ_{80}	16.0	X	107.00309	291.00451	3.75321	7.05157	0.2916102	0.21682771	2.7440553	20	12 31.5	21.0
181110 2005 QO_{85}	16.3	X	172.70095	116.26025	168.95801	13.74317	0.1112871	0.22309145	2.6924487	20	—	—
181111 2005 QJ_{88}	15.7	X	271.77458	302.75422	30.37597	8.27089	0.2408073	0.25308861	2.4752609	20	4 19.0	19.4
181112 2005 QL_{91}	15.1	X	274.21729	206.52226	340.79943	25.35910	0.1032893	0.22508601	2.6765193	20	—	—
181113 2005 QS_{92}	16.0	X	78.37185	315.63870	24.36810	5.68765	0.0680474	0.21444209	2.7643691	20	—	—
181114 2005 QK_{93}	16.0	X	107.25470	181.00761	83.49763	3.28330	0.0518921	0.20645334	2.8352287	20	11 12.2	20.1
181115 2005 QF_{94}	16.1	X	101.26822	166.73396	153.33225	6.77542	0.1180419	0.21785628	2.7354115	20	—	—
181116 2005 QN_{95}	16.2	X	283.71186	357.88254	135.98649	5.75404	0.0157768	0.21536794	2.7564408	20	—	—
181117 2005 QH_{98}	15.1	X	237.41928	12.01181	351.16904	16.49371	0.2153102	0.18084129	3.0969746	20	4 21.8	20.4
181118 2005 QM_{98}	16.1	X	312.23769	352.97375	355.89824	10.29254	0.1183893	0.19272631	2.9683063	20	7 28.8	19.9
181119 2005 QO_{106}	14.9	X	174.89887	14.23360	4.93192	14.06589	0.1544678	0.17124617	3.2116051	20	3 27.3	20.1
181120 2005 QM_{109}	15.9	X	196.36130	191.10096	196.64494	4.30710	0.1030351	0.17601603	3.1533189	20	4 26.7	20.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
181121 2005 QD_{110}	15.8	X	349.48044	104.00006	182.33197	8.92322	0.1133885	0.18873191	3.0100416	20	7 1.7	19.5
181122 2005 QV_{111}	15.8	X	131.43578	146.32264	166.94934	14.09956	0.1057238	0.21930901	2.7233183	20	—	—
181123 2005 QX_{111}	16.4	X	54.22887	57.06995	307.69068	2.67756	0.1068088	0.21265153	2.7798650	20	—	—
181124 2005 QN_{112}	15.6	X	190.22855	271.72964	170.13980	8.74939	0.0397294	0.18431331	3.0579585	20	6 27.3	20.2
181125 2005 QY_{114}	15.5	X	166.35248	278.66322	200.69215	5.99783	0.0486031	0.18496611	3.0507593	20	7 16.0	20.1
181126 2005 QN_{115}	16.6	X	11.81618	132.55164	181.79831	5.33445	0.2519878	0.26501886	2.4004069	20	10 26.6	18.9
181127 2005 QZ_{124}	16.0	X	246.78330	170.85494	355.80958	5.07211	0.0121173	0.21310996	2.7758770	20	12 29.3	19.8
181128 2005 QA_{127}	16.0	X	186.72605	152.17726	251.19442	0.09139	0.1863859	0.17621119	3.1509902	20	5 5.2	21.2
181129 2005 QN_{135}	16.0	X	240.71772	49.54470	160.33477	5.32343	0.0987845	0.21942270	2.7223775	20	—	—
181130 2005 QM_{137}	16.3	X	265.15234	149.48986	137.13476	3.10174	0.0276833	0.17099918	3.2146969	20	3 17.2	20.8
181131 2005 QC_{139}	16.0	X	57.63889	219.73586	24.25270	3.04577	0.1212551	0.19358120	2.9595608	20	8 26.4	20.0
181132 2005 QW_{140}	15.7	X	27.18204	114.44116	161.16289	6.00441	0.1019319	0.19578766	2.9372833	20	8 19.7	19.2
181133 2005 QH_{142}	14.8	X	141.40845	216.68551	204.53629	7.60211	0.0832218	0.16925912	3.2366917	20	4 10.0	19.7
181134 2005 QO_{149}	15.6	X	131.53171	209.24809	66.04790	9.85333	0.1172521	0.21593083	2.7516485	20	12 23.6	20.0
181135 2005 QW_{150}	16.3	X	226.96060	113.34496	168.89661	5.17828	0.1922520	0.23238157	2.6202030	20	1 12.8	20.7
181136 Losonczrita	15.7	X	211.64375	226.42303	182.29870	10.93772	0.1364564	0.18677384	3.0310424	20	6 5.4	20.7
181137 2005 QX_{155}	15.8	X	131.11137	17.06906	295.56908	8.72948	0.2410842	0.22017494	2.7161732	20	—	—
181138 2005 QZ_{156}	14.8	X	327.87257	13.05099	290.21410	12.40274	0.1248158	0.18736804	3.0246308	20	6 18.0	18.5
181139 2005 QZ_{157}	16.2	X	130.19465	197.21583	88.65231	4.05752	0.0452378	0.21291915	2.7775352	20	—	—
181140 2005 QW_{165}	15.2	X	264.37331	259.01183	95.81120	5.31569	0.0858150	0.18026342	3.1035898	20	5 31.3	19.5
181141 2005 QN_{171}	15.1	X	260.22402	33.59659	315.92484	7.43448	0.1171311	0.18069286	3.0986705	20	5 12.5	19.7
181142 2005 QF_{174}	16.0	X	330.34442	243.29189	190.41116	8.04184	0.0397188	0.21064698	2.7974729	20	12 19.5	19.7
181143 2005 QM_{174}	14.7	X	17.83744	92.11992	333.18222	9.14555	0.0678488	0.15012225	3.5062215	20	—	—
181144 2005 QJ_{177}	15.8	X	99.14202	207.71484	63.40370	3.03121	0.0250347	0.20328057	2.8646537	20	11 7.6	19.6
181145 2005 QC_{178}	15.8	X	345.11618	317.64429	354.26732	10.40718	0.0673254	0.19166435	2.9792606	20	8 3.9	19.7
181146 2005 QY_{178}	16.3	X	185.08263	290.01099	323.68042	1.37291	0.0915653	0.21759596	2.7375927	20	—	—
181147 2005 RF_{3}	15.2	X	302.55447	116.49008	178.20438	10.19679	0.0655871	0.18180488	3.0860221	20	5 8.5	19.5
181148 2005 RL_{3}	15.5	X	302.74995	151.14405	191.22226	9.86190	0.0659159	0.19348566	2.9605350	20	7 7.1	19.6
181149 2005 RV_{6}	15.6	X	359.87059	191.88003	178.34644	20.07557	0.1864478	0.20367756	2.8609302	20	11 26.1	19.2
181150 2005 RD_{7}	14.7	X	142.51712	276.40988	183.80425	18.77684	0.1134975	0.17764080	3.1340619	20	6 1.7	19.9
181151 2005 RG_{8}	15.5	X	290.49995	313.29604	9.32722	0.67701	0.1617398	0.18204978	3.0832538	20	5 11.5	19.5
181152 2005 RE_{15}	16.0	X	149.78474	318.04244	152.61738	1.92601	0.0953904	0.18238183	3.0795103	20	6 19.6	20.8
181153 2005 RL_{22}	14.6	X	307.96579	75.22109	227.83214	9.42328	0.0163390	0.18047262	3.1011909	20	5 31.1	18.8
181154 2005 RX_{22}	15.8	X	337.63725	315.39420	59.76588	2.75173	0.0909689	0.20040934	2.8919498	20	10 15.3	19.3
181155 2005 RC_{24}	15.7	X	115.07457	154.91044	352.67688	4.93381	0.0800357	0.18443006	3.0566678	20	6 26.9	20.2
181156 2005 RS_{31}	14.8	X	327.12616	40.20572	272.72048	17.66852	0.1789219	0.18769017	3.0211690	20	6 23.8	18.0
181157 2005 RE_{33}	15.0	X	236.67786	186.30948	148.24648	22.88777	0.1185981	0.17315685	3.1879360	20	4 6.9	20.2
181158 2005 RN_{41}	15.6	X	228.48324	70.27612	14.92303	10.71250	0.0633623	0.19139441	2.9820612	20	8 19.1	20.0
181159 2005 RK_{47}	16.2	X	70.51784	72.03506	131.22321	1.25558	0.1053644	0.18520547	3.0481302	20	7 16.8	20.4
181160 2005 SZ_{2}	15.3	X	238.75349	162.01117	182.49479	9.15390	0.0953238	0.17483367	3.1675197	20	4 19.1	20.1
181161 2005 SQ_{3}	15.9	X	70.23712	266.13279	81.04026	3.14028	0.1151498	0.20892749	2.8128009	20	—	—
181162 2005 SK_{11}	15.5	X	292.86290	211.93710	55.17704	2.01370	0.1028460	0.17113964	3.2129377	20	3 16.4	19.9
181163 2005 SP_{13}	15.5	X	279.04252	191.32129	189.26313	10.33999	0.1074658	0.18699226	3.0286817	20	7 17.2	19.8
181164 2005 SQ_{16}	15.5	X	313.66931	21.62641	208.68161	4.43791	0.0701851	0.16774760	3.2561057	20	2 29.4	20.1
181165 2005 SD_{22}	15.2	X	172.47728	241.86953	22.89745	14.40902	0.1156385	0.21694883	2.7430339	20	—	—
181166 2005 SZ_{24}	16.1	X	147.99026	263.15059	51.35780	8.13145	0.2627952	0.22285475	2.6943548	20	—	—
181167 2005 SF_{31}	15.7	X	92.10828	115.14782	205.63161	7.77072	0.1526537	0.21354929	2.7720686	20	—	—
181168 2005 SL_{43}	15.7	X	277.95074	356.72046	332.98916	3.36584	0.1270736	0.17910397	3.1169697	20	5 8.6	20.2
181169 2005 SB_{53}	15.9	X	294.42264	345.88211	330.22617	4.87188	0.1425859	0.18088449	3.0964816	20	5 9.6	20.2
181170 2005 SS_{59}	16.1	X	24.53287	133.15174	186.16734	2.23020	0.0927455	0.19671891	2.9280061	20	10 12.6	19.8
181171 2005 SL_{60}	15.9	X	106.11672	33.22858	218.08480	1.31651	0.0510147	0.20150554	2.8814520	20	10 23.9	20.0
181172 2005 SQ_{66}	14.5	X	162.15830	216.71965	193.55489	21.65302	0.0681421	0.17119247	3.2122767	20	4 19.3	19.4
181173 2005 SY_{66}	16.0	X	257.85041	270.83455	22.61919	1.86319	0.1188633	0.17079529	3.2172548	20	3 6.2	20.8
181174 2005 SV_{70}	15.2	X	116.49991	68.53332	45.46521	9.97283	0.0315038	0.17451247	3.1714052	20	5 10.4	19.8
181175 2005 SY_{71}	15.2	X	71.80788	55.87810	1.45282	10.76233	0.1050489	0.15555834	3.4240532	20	1 22.7	19.9
181176 2005 SN_{73}	14.9	X	188.17082	241.45616	167.67793	5.29950	0.1210117	0.17228644	3.1986642	20	5 15.2	20.0
181177 2005 SV_{73}	14.6	X	68.65242	97.03772	319.45157	12.89456	0.0596841	0.15379080	3.4502387	20	1 11.5	19.4
181178 2005 SL_{77}	16.1	X	161.49459	24.72496	152.76058	2.51211	0.0700182	0.19577167	2.9374433	20	9 24.6	20.5
181179 2005 SV_{77}	16.5	X	120.93507	112.95885	163.52187	3.70380	0.1528070	0.20996631	2.8035156	20	12 15.5	21.1
181180 2005 ST_{81}	15.5	X	176.39373	82.00939	10.53345	8.65412	0.0653593	0.18139960	3.0906169	20	6 24.8	20.3
181181 2005 SZ_{85}	14.8	X	321.29780	87.12136	182.38628	9.70035	0.0499317	0.17599767	3.1535382	20	5 3.7	19.1
181182 2005 SF_{87}	16.2	X	352.21527	228.62826	159.13300	2.28308	0.0690613	0.20265818	2.8705159	20	11 22.1	19.8
181183 2005 SG_{92}	15.7	X	57.60289	41.14072	207.52578	5.08920	0.0964378	0.18887303	3.0085420	20	8 24.9	19.9
181184 2005 SQ_{95}	15.6	X	321.14223	255.99553	20.75237	9.52968	0.0589971	0.17793505	3.1306058	20	5 7.6	19.9
181185 2005 SD_{104}	15.0	X	262.89303	150.89739	195.92088	17.82489	0.2128489	0.17962227	3.1109708	20	5 4.5	19.9
181186 2005 SW_{104}	14.8	X	181.06684	238.13467	195.68700	18.01511	0.1029658	0.17595316	3.1540701	20	6 6.6	20.0
181187 2005 SG_{105}	15.1	X	269.13235	211.63901	185.71653	9.72466	0.0465903	0.18552300	3.0446512	20	8 3.5	19.5
181188 2005 SL_{109}	16.1	X	124.05238	216.67445	4.69687	1.63321	0.0237267	0.19576529	2.9375070	20	10 4.5	20.3
181189 2005 SP_{114}	15.4	X	96.36504	77.93662	217.66425	5.23226	0.0415794	0.20592602	2.8400669	20	12 6.4	19.5
181190 2005 SU_{114}	15.4	X	297.03527	105.64001	202.31226	9.44885	0.0785015	0.17880731	3.1204163	20	5 15.2	19.6
181191 2005 SR_{120}	14.9	X	282.57950	314.65375	352.60692	12.52551	0.0353727	0.17589649	3.1547475	20	4 25.7	19.5
181192 2005 SM_{123}	16.0	X	128.28434	324.77501	336.29611	4.80609	0.0537264	0.21396044	2.7685161	20	—	—
181193 2005 ST_{123}	16.8	X	213.68178	243.01969	70.47186	4.85980	0.1903128	0.23396160	2.6083928	20	2 9.8	21.2
181194 2005 SV_{129}	15.7	X	263.68194	349.35592	36.95882	2.59619	0.0997573	0.18337229	3.0684113	20	7 7.8	20.1
181195 2005 SN_{132}	15.9	X	54.89227	274.77251	22.98590	5.47860	0.0436587	0.19587800	2.9363801	20	10 18.2	19.7
181196 2005 SF_{137}	16.1	X	354.20662	133.45910	165.12347	1.38121	0.0650963	0.18767218	3.0213621	20	7 26.8	20.0
181197 2005 SJ_{140}	16.6	X	131.48244	250.73936	47.62440	3.54586	0.0659847	0.21366771	2.7710442	20	—	—
181198 2005 SW_{141}	15.9	X	7.95064	209.30076	128.55488	2.88389	0.0958406	0.19753673	2.9199190	20	10 13.8	19.5
181199 2005 SP_{147}	16.1	X	172.91884	242.71116	42.98270	3.70280	0.1435548	0.21884302	2.7271828	20	—	—
181200 2005 SO_{155}	14.9	X	255.36961	286.11928	118.73164	16.64101	0.0477938	0.19032371	2.9932349	20	7 29.2	19.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
181201 2005 ST_{160}	15.7	X	346.42982	19.23261	188.50304	5.35060	0.2390750	0.23799953	2.5788059	20	2 15.8	18.2
181202 2005 SQ_{162}	16.1	X	68.04602	358.02047	320.55251	1.10803	0.0594313	0.20480779	2.8503951	20	12 2.9	20.1
181203 2005 SW_{166}	15.8	X	198.37366	158.82067	152.35405	12.47253	0.1862417	0.23014548	2.6371475	20	1 23.3	20.2
181204 2005 SU_{169}	15.6	X	214.43776	335.84385	244.17259	3.88183	0.0925718	0.21433375	2.7653006	20	—	—
181205 2005 SR_{171}	15.6	X	99.29112	162.79081	308.77195	3.64346	0.0425805	0.17095253	3.2152817	20	4 16.5	20.2
181206 2005 SG_{173}	16.2	X	27.49112	344.05917	250.16790	3.46931	0.0539171	0.18224685	3.0810307	20	6 19.8	20.3
181207 2005 SX_{173}	15.7	X	338.80140	207.70950	152.49291	2.45042	0.0854016	0.19802402	2.9151270	20	9 26.3	19.3
181208 2005 SA_{179}	16.1	X	63.36110	353.75602	341.48003	1.83750	0.0667052	0.20813114	2.8199712	20	12 19.7	20.0
181209 2005 SP_{184}	15.6	X	41.10511	242.28934	344.66682	3.93246	0.1107058	0.18231004	3.0803188	20	7 7.7	19.6
181210 2005 SR_{184}	15.9	X	39.47700	320.03634	6.71392	10.03981	0.0466685	0.20047304	2.8913371	20	11 2.4	19.9
181211 2005 SQ_{190}	15.6	X	26.53257	201.62864	126.69880	2.32196	0.1229187	0.19915215	2.9041077	20	11 1.5	19.2
181212 2005 SW_{190}	14.7	X	234.12814	272.07148	46.07336	5.39478	0.1337474	0.16986393	3.2290041	20	3 12.4	19.8
181213 2005 SW_{191}	15.8	X	172.47087	241.27486	26.25532	2.68503	0.1413450	0.21428821	2.7656923	20	—	—
181214 2005 SW_{197}	15.6	X	31.16034	283.61620	345.68741	10.13504	0.0139062	0.19229389	2.9727545	20	8 9.6	19.7
181215 2005 SM_{198}	15.7	X	193.52212	139.25273	323.16349	2.00944	0.0505225	0.18913528	3.0057603	20	7 27.6	20.1
181216 2005 SY_{252}	15.3	X	172.51064	348.20170	47.14994	7.50883	0.0991671	0.16991928	3.2283029	20	4 13.7	20.2
181217 2005 SA_{255}	16.5	X	133.16376	128.93729	166.08781	14.11738	0.2097527	0.21829161	2.7317735	20	—	—
181218 2005 SE_{255}	15.5	X	308.39273	143.84006	193.56115	8.63335	0.0454027	0.18825248	3.0151500	20	7 10.7	19.6
181219 2005 SE_{259}	15.3	X	290.47985	156.37286	156.43712	17.95426	0.2042805	0.18245153	3.0787260	20	4 27.8	19.9
181220 2005 SB_{263}	15.8	X	178.27419	85.77945	114.39043	3.04598	0.0142282	0.20227674	2.8741235	20	11 14.4	19.9
181221 2005 SR_{270}	15.2	X	239.86308	299.16015	56.07954	6.01221	0.0973529	0.17731053	3.1379525	20	5 2.3	19.8
181222 2005 TN_{1}	15.1	X	280.21233	271.40900	44.96487	8.57441	0.0904119	0.17720647	3.1391808	20	5 1.4	19.3
181223 2005 TY_{2}	15.9	X	182.77234	228.07476	326.00945	3.76832	0.0210798	0.20294959	2.8677675	20	11 9.6	19.9
181224 2005 TU_{3}	14.9	X	239.83673	200.68845	173.05215	18.00878	0.2252284	0.17870153	3.1216476	20	5 15.7	20.3
181225 2005 TP_{29}	16.3	X	178.94996	20.01142	278.26924	4.18836	0.0692257	0.22933858	2.6433295	20	—	—
181226 2005 TD_{35}	15.8	X	137.11428	171.90208	170.69345	6.20826	0.1228199	0.15626264	3.4137571	20	1 9.9	21.1
181227 2005 TK_{36}	16.2	X	350.34640	260.15242	63.41775	0.88615	0.0718659	0.19257869	2.9698230	20	8 24.9	19.9
181228 2005 TA_{46}	14.9	X	239.16895	170.01508	177.34847	9.33162	0.0562049	0.17028227	3.2237135	20	4 27.6	19.7
181229 2005 TO_{49}	16.0	X	141.93364	39.73298	258.80960	1.66142	0.1407307	0.21468025	2.7623242	20	—	—
181230 2005 TU_{64}	16.7	X	98.42193	81.81798	226.73202	2.60931	0.0798803	0.21244314	2.7816826	20	12 28.4	20.7
181231 2005 TA_{83}	14.3	X	136.42598	85.54338	246.08474	8.79783	0.1024755	0.15120784	3.4894194	20	—	—
181232 2005 TO_{96}	15.6	X	63.77932	321.45881	264.50145	2.24761	0.0597450	0.18325047	3.0697710	20	7 30.0	19.7
181233 2005 TB_{101}	15.7	X	82.26381	195.63807	74.78469	3.32945	0.0458291	0.19984895	2.8973533	20	10 20.1	19.7
181234 2005 TM_{130}	15.0	X	279.72397	120.09619	198.89208	9.16130	0.0863725	0.17527328	3.1622211	20	5 5.6	19.4
181235 2005 TQ_{130}	15.5	X	262.56148	252.27863	46.49430	7.39539	0.1015611	0.16880842	3.2424502	20	3 22.1	20.3
181236 2005 TV_{136}	15.5	X	277.58007	189.14253	74.31744	3.64017	0.0812761	0.16762588	3.2576818	20	2 27.1	20.2
181237 2005 TF_{154}	15.5	X	303.76992	15.74384	331.94628	5.01827	0.1886154	0.18603034	3.0391131	20	6 29.6	19.4
181238 2005 TP_{176}	16.0	X	342.80742	227.52231	149.27112	2.94052	0.0497139	0.19825321	2.9128798	20	10 23.9	19.7
181239 2005 TC_{190}	15.5	X	301.01145	217.83897	32.47700	5.21236	0.0433953	0.16765791	3.2572669	20	3 15.7	20.0
181240 2005 UQ_{4}	15.3	X	211.58062	146.67558	195.83940	13.51364	0.3029854	0.24382796	2.5375447	20	3 7.1	20.1
181241 Dipasquale	15.1	X	82.27899	41.74590	131.34152	10.26753	0.0230505	0.17383350	3.1796579	20	6 11.8	19.6
181242 2005 UO_{24}	15.6	X	36.35264	85.70822	242.61579	3.91968	0.1020986	0.19830281	2.9123941	20	11 10.4	19.4
181243 2005 UC_{48}	15.5	X	215.82632	82.74874	178.29091	4.88979	0.1188420	0.21956239	2.7212227	20	—	—
181244 2005 UH_{48}	14.7	X	329.37862	99.53182	207.70228	15.69888	0.0995413	0.18166859	3.0875653	20	6 25.9	18.9
181245 2005 UW_{65}	14.7	X	202.34320	315.78488	47.13716	12.08609	0.1472723	0.17140580	3.2096108	20	4 5.7	20.0
181246 2005 UX_{65}	15.8	X	124.15226	94.68191	229.29260	4.28438	0.1016163	0.21538777	2.7562717	20	—	—
181247 2005 UP_{66}	15.3	X	276.63055	255.02209	70.02624	6.89211	0.0499979	0.17645942	3.1480345	20	5 14.2	19.6
181248 2005 UL_{145}	14.7	X	218.64140	27.66169	261.63995	5.09547	0.1003984	0.15687865	3.4048148	20	1 24.5	20.0
181249 Tkachenko	15.5	X	303.81370	164.74479	186.84871	10.26528	0.0934178	0.18522778	3.0478854	20	7 16.4	19.7
181250 2005 UU_{177}	16.1	X	359.40176	325.09243	335.04658	2.29629	0.0800966	0.18342779	3.0677923	20	8 6.6	20.0
181251 2005 UD_{252}	15.5	X	292.69211	50.26781	300.62417	4.39053	0.1779960	0.18200201	3.0837933	20	6 18.1	19.6
181252 2005 UD_{255}	15.8	X	270.13022	178.87320	103.11194	2.16857	0.1381999	0.16951724	3.2334052	20	3 3.8	20.5
181253 2005 UD_{283}	16.6	X	222.06406	113.84018	174.50745	4.04352	0.1904393	0.22798202	2.6538049	20	1 16.5	21.1
181254 2005 UJ_{288}	15.0	X	273.01199	357.89580	90.27288	4.98480	0.1617923	0.12719544	3.9158107	20	9 22.2	20.4
181255 2005 UC_{317}	15.5	X	317.91040	174.39063	199.20695	10.05363	0.0206021	0.19680239	2.9271780	20	9 12.0	19.5
181256 2005 UD_{359}	14.2	X	167.76673	89.96754	99.82130	4.10576	0.1103729	0.12493972	3.9628018	20	10 7.8	20.3
181257 2005 UW_{363}	15.8	X	9.06485	221.36894	77.65158	5.49372	0.1665305	0.18796654	3.0182069	20	8 31.1	19.2
181258 2005 VW_{8}	15.4	X	159.51351	215.81580	50.78110	5.04865	0.2160742	0.20943296	2.8082732	20	—	—
181259 2005 VH_{9}	15.7	X	333.99293	191.30436	142.46315	2.29138	0.1643201	0.18594973	3.0399913	20	8 7.3	19.1
181260 2005 VR_{43}	16.0	X	181.39613	108.45141	130.81477	2.65502	0.0388758	0.21223627	2.7834898	20	—	—
181261 2005 VY_{76}	15.4	X	259.39018	325.07230	297.67598	12.17036	0.1761635	0.23201946	2.6229284	20	1 19.1	19.6
181262 2005 VV_{79}	14.9	X	30.64171	164.55583	79.61311	10.49793	0.0546144	0.17884386	3.1199911	20	7 7.7	19.1
181263 2005 VB_{99}	15.2	X	336.97618	197.88767	78.70881	6.47551	0.0998245	0.17703748	3.1411782	20	5 29.7	19.2
181264 2005 VE_{113}	15.3	X	165.74676	315.42216	155.29666	5.69557	0.0975201	0.17586733	3.1550962	20	7 5.7	20.2
181265 2005 VC_{132}	15.8	X	328.72476	117.58641	153.87719	9.95058	0.0425161	0.17523417	3.1626916	20	5 18.1	20.2
181266 2005 WU_{5}	14.8	X	314.34273	265.53894	63.86667	11.28878	0.1266150	0.18010608	3.1053970	20	6 30.1	18.7
181267 2005 WX_{16}	16.0	X	318.94233	131.81105	201.05343	0.52604	0.1737396	0.18089082	3.0964093	20	7 6.8	19.6
181268 2005 WS_{36}	15.2	X	22.39283	222.13250	82.15119	10.64974	0.2247263	0.18773482	3.0206900	20	10 12.2	18.9
181269 2005 WV_{86}	15.1	X	37.28186	194.13600	69.63453	9.78425	0.1397059	0.18231880	3.0802201	20	8 28.5	19.2
181270 2005 WS_{126}	15.8	X	337.41450	281.69496	59.84669	2.96832	0.1042066	0.18693022	3.0293518	20	8 28.6	19.5
181271 2005 WE_{163}	15.4	X	237.84917	26.54867	12.45197	10.43091	0.0675602	0.18413085	3.0599782	20	6 26.9	20.0
181272 2005 WR_{184}	15.4	X	150.60113	67.99358	88.47144	9.81517	0.0832795	0.18241258	3.0791643	20	8 19.3	20.2
181273 2005 XY_{1}	16.1	X	239.35863	120.68648	20.32523	2.15398	0.0144698	0.20499967	2.8486162	20	11 15.0	20.1
181274 2005 XC_{8}	15.9	X	62.27908	201.22677	95.74563	3.57160	0.1537565	0.19347949	2.9605978	20	11 11.1	20.1
181275 2005 XN_{8}	15.1	X	245.26742	230.86135	244.83060	1.87149	0.1819620	0.12559896	3.9489231	20	9 17.4	21.1
181276 2005 XN_{28}	14.9	X	55.28207	144.52594	112.02897	10.60642	0.1147121	0.18333586	3.0688178	20	9 8.9	19.2
181277 2005 YA_{2}	15.7	X	312.73629	298.62188	17.18962	3.49357	0.1502379	0.17687479	3.1431041	20	6 5.5	19.6
181278 2005 YR_{53}	13.5	X	295.79274	284.52005	339.51834	0.36375	0.0807240	0.08265317	5.2195098	20	3 25.8	20.3
181279 Iapyx	12.8	X	96.81015	337.90904	149.79444	22.51684	0.0617615	0.08360625	5.1797671	20	5 15.9	20.0
181280 2006 ES_{71}	16.2	X	60.90485	246.42546	89.79258	15.39843	0.1419864	0.23910075	2.5708817	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
181281 2006 KO_{82}	17.4	X	333.76430	199.84738	143.55759	2.70319	0.2180069	0.28390760	2.2927219	20	9 11.4	18.4
181282 2006 KK_{97}	16.7	X	203.89290	218.92767	164.21016	6.92393	0.1831840	0.26589265	2.3951451	20	4 24.9	20.6
181283 2006 OQ_{2}	16.5	X	21.42201	216.71922	116.63206	5.18337	0.2131386	0.29014508	2.2597440	20	12 6.9	19.2
181284 2006 OH_{4}	17.4	X	82.93821	3.03731	352.61439	2.93297	0.0963307	0.30183978	2.2009917	20	—	—
181285 2006 OO_{4}	15.7	X	107.72355	82.13621	17.12860	4.89790	0.0921319	0.17872801	3.1213392	20	4 19.1	20.2
181286 2006 OS_{4}	16.0	X	10.15884	252.72014	26.74117	3.00941	0.1489419	0.19904698	2.9051305	20	8 3.5	19.2
181287 2006 OF_{7}	15.1	X	75.31400	63.78136	298.13886	10.06065	0.3167777	0.22778341	2.6553473	20	—	—
181288 2006 OW_{14}	17.0	X	269.09483	26.65040	332.82290	7.74779	0.2461457	0.27384918	2.3485244	20	5 17.1	20.5
181289 2006 OF_{17}	16.9	X	357.00407	195.29670	150.51622	6.49538	0.2478520	0.28578919	2.2826475	20	11 21.7	18.9
181290 2006 OU_{20}	16.4	X	277.82853	275.34691	165.50345	1.48040	0.1231360	0.21110810	2.7933978	20	10 6.6	19.9
181291 2006 PR_{1}	14.5	X	157.70790	1.24687	315.45101	16.82564	0.2327150	0.17525492	3.1624421	20	1 8.8	19.9
181292 2006 PR_{10}	16.8	X	206.73305	137.04162	237.99042	1.98163	0.2024005	0.26198556	2.4188995	20	4 14.2	20.7
181293 2006 PB_{12}	16.9	X	227.28390	182.15624	201.51325	1.87245	0.2303664	0.26672091	2.3901840	20	5 12.3	20.6
181294 2006 PP_{12}	16.7	X	233.61524	115.91474	317.73613	8.92532	0.1914092	0.27682704	2.3316519	20	7 28.3	20.1
181295 2006 PH_{21}	16.8	X	293.73465	256.98792	125.55852	5.01542	0.1578023	0.28159617	2.3052510	20	8 16.9	19.0
181296 2006 PV_{24}	16.1	X	19.94221	195.83443	184.57289	10.30206	0.2495665	0.22004218	2.7172656	20	—	—
181297 2006 PY_{26}	17.5	X	37.71689	152.56540	221.63755	2.83127	0.2008172	0.29848444	2.2174555	20	—	—
181298 Ladányi	15.3	X	163.05941	260.22989	140.13458	16.84457	0.1349513	0.18675975	3.0311949	20	4 15.2	20.4
181299 2006 QZ_{2}	16.9	X	8.99098	227.44559	143.97148	4.05690	0.1732309	0.29299321	2.2450758	20	—	—
181300 2006 QR_{8}	16.5	X	8.29945	233.50380	168.55566	8.36834	0.2089121	0.22516180	2.6759187	20	—	—
181301 2006 QD_{9}	16.4	X	20.11346	43.19384	330.03226	10.85293	0.1682743	0.22386560	2.6862379	20	—	—
181302 2006 QS_{19}	15.3	X	32.67956	6.99894	358.30680	14.27269	0.2605427	0.22367839	2.6877366	20	—	—
181303 2006 QY_{20}	17.1	X	252.17207	197.88560	155.78156	3.68784	0.1981896	0.26617227	2.3934673	20	4 30.9	20.8
181304 2006 QO_{24}	16.1	X	8.41691	39.90879	340.77105	5.85125	0.0953281	0.22124349	2.7074205	20	12 13.3	19.6
181305 2006 QR_{24}	16.8	X	304.85773	346.47553	4.82338	4.67682	0.1608494	0.27526318	2.3404748	20	7 18.7	19.1
181306 2006 QK_{25}	16.7	X	1.32041	205.06253	145.80919	8.29007	0.1839808	0.28749618	2.2736032	20	11 26.7	19.1
181307 2006 QX_{29}	16.9	X	179.22366	352.58222	35.38090	2.75569	0.2182983	0.25879993	2.4387088	20	4 8.5	21.0
181308 2006 QB_{30}	15.8	X	189.43686	255.78998	133.17041	7.70557	0.3195179	0.18402662	3.0611335	20	4 22.9	21.5
181309 2006 QV_{30}	15.8	X	70.49895	215.68582	156.70149	14.56682	0.2723334	0.23155158	2.6264606	20	—	—
181310 2006 QE_{35}	16.6	X	331.64521	120.29155	258.84375	4.26788	0.2344301	0.28639816	2.2794106	20	11 11.3	17.8
181311 2006 QW_{35}	15.2	X	204.68103	320.12898	4.01454	11.28918	0.1399219	0.18123439	3.0924948	20	2 21.7	20.2
181312 2006 QV_{39}	17.2	X	16.10421	315.26998	54.87732	4.98413	0.1431954	0.29375188	2.2412086	20	—	—
181313 2006 QX_{45}	16.9	X	245.32130	92.42783	276.15422	0.93344	0.2209741	0.26691143	2.3890465	20	5 9.7	20.7
181314 2006 QY_{46}	17.0	X	309.43382	160.87680	164.10060	26.20650	0.0559723	0.34469764	2.0145459	20	7 4.1	19.7
181315 2006 QW_{47}	17.2	X	249.97010	220.78344	179.56736	4.46373	0.1922243	0.27294775	2.3536924	20	6 29.6	20.6
181316 2006 QX_{48}	17.0	X	340.62995	152.04228	232.37939	1.33095	0.1156670	0.28795005	2.2712134	20	11 27.1	18.8
181317 2006 QK_{50}	17.2	X	35.47692	338.90765	25.50134	3.32173	0.2006470	0.29580650	2.2308185	20	—	—
181318 2006 QT_{55}	16.3	X	38.01688	171.75355	208.47181	5.61407	0.1998739	0.29601157	2.2297881	20	—	—
181319 2006 QU_{56}	15.6	X	56.44329	358.88177	347.02655	13.35679	0.1796318	0.22395312	2.6855380	20	—	—
181320 2006 QX_{56}	17.2	X	183.94598	281.90526	343.69910	20.64015	0.0941926	0.38106956	1.8842269	20	—	—
181321 2006 QR_{62}	16.7	X	276.49169	330.08588	96.81873	4.59451	0.1171789	0.28263210	2.2996146	20	10 2.6	19.0
181322 2006 QZ_{67}	17.2	X	160.89441	258.23926	143.91297	3.05832	0.1005086	0.25776222	2.4452496	20	4 4.9	20.6
181323 2006 QJ_{79}	16.9	X	342.64320	175.17314	159.52974	4.66965	0.2376877	0.28457745	2.2891227	20	9 24.1	17.9
181324 2006 QX_{80}	17.3	X	213.32615	24.14716	26.06158	2.98034	0.1687061	0.26843593	2.3799926	20	6 5.9	21.0
181325 2006 QW_{88}	16.5	X	85.64182	227.75742	164.27076	15.27436	0.1581109	0.23798690	2.5788971	20	—	—
181326 2006 QS_{90}	16.6	X	326.58503	187.20295	166.93430	23.62895	0.0766071	0.35579993	1.9724173	20	10 1.0	18.1
181327 2006 QZ_{94}	16.9	X	287.16538	316.79688	57.76054	5.03620	0.1555052	0.27739611	2.3284619	20	7 23.6	19.3
181328 2006 QD_{95}	16.8	X	159.45021	144.97062	125.56966	7.85891	0.1184436	0.30714649	2.1755664	20	—	—
181329 2006 QZ_{97}	15.5	X	300.47117	197.55743	207.61411	11.83970	0.2767839	0.21188027	2.7866069	20	8 27.7	18.7
181330 2006 QX_{109}	16.2	X	161.19212	78.94227	331.41819	9.99374	0.3607895	0.18214176	3.0822157	20	4 23.7	22.1
181331 2006 QH_{112}	17.2	X	176.88374	87.05260	166.92541	23.77806	0.0486156	0.37921972	1.8903495	20	—	—
181332 2006 QS_{112}	16.6	X	295.89197	332.04776	79.87455	6.96012	0.1372839	0.28463669	2.2888050	20	10 14.6	18.7
181333 2006 QX_{113}	17.0	X	345.11679	48.83272	345.57227	7.39100	0.1819333	0.29148861	2.2527949	20	—	—
181334 2006 QY_{119}	15.9	X	358.93213	5.59180	24.38246	3.67139	0.1986057	0.21666887	2.7453962	20	12 24.3	19.0
181335 2006 QQ_{122}	16.5	X	35.09592	60.10076	330.91090	10.67380	0.2025412	0.22674949	2.6634130	20	—	—
181336 2006 QD_{125}	16.5	X	58.64603	61.53192	307.21222	11.86149	0.1231389	0.23200567	2.6230324	20	—	—
181337 2006 QW_{126}	17.0	X	231.22919	248.54639	104.27644	3.40600	0.1641565	0.26209173	2.4182461	20	4 12.4	20.6
181338 2006 QK_{147}	17.3	X	251.42289	30.82794	353.87385	2.58115	0.1806219	0.26983483	2.3717598	20	6 11.2	20.5
181339 2006 QK_{159}	17.1	X	229.54882	272.06657	193.71522	2.93730	0.1977704	0.28030843	2.3123059	20	9 3.5	20.3
181340 2006 QX_{182}	17.4	X	180.48223	105.23791	327.52816	1.99271	0.1733416	0.26512239	2.3997819	20	6 4.1	21.2
181341 2006 RJ_{4}	17.0	X	274.13401	14.94215	357.16442	2.57067	0.1987532	0.27201481	2.3590710	20	6 19.9	20.1
181342 2006 RE_{5}	16.5	X	213.51324	209.62923	209.79592	8.13961	0.2435615	0.26680934	2.3896559	20	6 14.2	20.6
181343 2006 RS_{6}	15.9	X	153.41167	68.65183	8.20338	11.45298	0.2169655	0.18328235	3.0694151	20	5 15.1	21.2
181344 2006 RB_{7}	17.5	X	311.93120	271.91873	234.31577	1.06234	0.0597151	0.30421420	2.1895241	20	—	—
181345 2006 RC_{7}	17.2	X	184.93124	250.67819	190.09696	1.09651	0.1118631	0.26409915	2.4059765	20	6 20.2	20.5
181346 2006 RV_{18}	15.7	X	11.32543	85.86473	332.45334	14.46512	0.1076285	0.22640401	2.6661217	20	—	—
181347 2006 RU_{22}	15.8	X	303.07838	87.88892	343.19689	12.41098	0.1373789	0.21479744	2.7613194	20	10 27.4	19.2
181348 2006 RM_{30}	17.3	X	179.23033	110.87796	306.93066	2.04021	0.2114710	0.26043307	2.4285029	20	5 14.6	21.3
181349 2006 RO_{31}	16.7	X	33.99342	64.72085	4.61309	15.76803	0.2801707	0.23089262	2.6314554	20	—	—
181350 2006 RZ_{32}	16.2	X	63.95483	345.85053	339.19063	3.53303	0.0984833	0.22066372	2.7121607	20	12 14.6	20.1
181351 2006 RF_{35}	15.1	X	335.89295	301.48798	295.79797	10.11427	0.0664466	0.18756361	3.0225279	20	4 2.7	19.2
181352 2006 RY_{37}	17.0	X	38.67897	266.79596	72.25885	2.49872	0.1306930	0.29169646	2.2517246	20	12 24.1	19.8
181353 2006 RJ_{38}	17.1	X	53.25226	224.86777	189.47143	11.79595	0.2612542	0.23477980	2.6023292	20	—	—
181354 2006 RP_{39}	17.0	X	230.87234	5.06238	49.46802	3.20986	0.2306729	0.26914236	2.3758263	20	6 24.4	20.7
181355 2006 RY_{42}	17.3	X	351.60083	239.37175	18.33132	3.20889	0.0529655	0.26494356	2.4008617	20	5 28.2	20.0
181356 2006 RP_{46}	15.6	X	45.47542	44.54145	11.35786	22.21759	0.0488714	0.23353246	2.6115873	20	—	—
181357 2006 RB_{50}	16.9	X	71.48947	240.64901	198.08877	3.85840	0.0603152	0.24186639	2.5512462	20	1 24.0	20.0
181358 2006 RK_{52}	16.5	X	281.24757	265.96278	180.44550	2.15335	0.1065931	0.21198259	2.7857102	20	10 21.8	19.8
181359 2006 RH_{55}	15.9	X	317.29122	25.21986	29.82057	5.25088	0.0609131	0.21458844	2.7631121	20	11 7.4	19.2
181360 2006 RF_{76}	16.1	X	290.96268	96.56257	8.40797	8.94498	0.1802871	0.21791155	2.7349489	20	11 20.9	19.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
181361 2006 RE_{87}	17.6	X	124.93724	80.94250	28.69939	0.67800	0.1670515	0.25749225	2.4469585	20	5 29.2	21.3
181362 2006 RA_{89}	17.3	X	247.07905	196.20218	295.03913	1.56152	0.0186016	0.28935292	2.2638664	20	12 1.8	19.9
181363 2006 RS_{93}	16.3	X	106.68097	112.24216	351.50371	4.40875	0.1625710	0.17871968	3.1214362	20	5 1.4	20.9
181364 2006 RJ_{95}	16.4	X	279.16239	87.18620	6.00570	8.22165	0.1809127	0.21116407	2.7929041	20	10 14.7	19.8
181365 2006 RF_{99}	17.0	X	345.19911	334.08259	23.98609	2.89333	0.0721629	0.28464452	2.2887630	20	10 21.1	19.2
181366 2006 RW_{99}	17.0	X	228.36834	61.59736	336.09739	9.75534	0.2250512	0.26916337	2.3757026	20	5 29.4	21.1
181367 2006 RF_{101}	15.2	X	157.91853	187.23066	222.86791	11.15927	0.2165806	0.18031764	3.1029676	20	4 19.6	20.5
181368 2006 SS_{3}	15.9	X	1.27386	201.09952	177.57037	10.78802	0.1697494	0.21711268	2.7416537	20	12 10.1	19.2
181369 2006 SX_{3}	16.8	X	181.29163	90.16954	336.94621	6.08988	0.1379000	0.26139148	2.4225631	20	5 27.5	20.6
181370 2006 SZ_{3}	17.1	X	130.03766	303.19770	341.55392	6.52158	0.1249576	0.29932401	2.2133071	20	—	—
181371 2006 SD_{4}	17.1	X	259.30859	73.37691	292.40554	4.65555	0.1544560	0.26832252	2.3806632	20	5 28.7	20.4
181372 2006 SQ_{4}	15.8	X	77.27298	183.57580	225.64117	4.79058	0.1799270	0.23351380	2.6117264	20	1 10.8	18.7
181373 2006 SO_{5}	15.5	X	31.44038	52.66274	12.63877	31.33296	0.2532160	0.22912655	2.6449600	20	—	—
181374 2006 SL_{8}	16.6	X	322.94739	275.76238	134.71267	8.06816	0.0218274	0.28753815	2.2733819	20	11 30.3	19.3
181375 2006 SM_{8}	16.4	X	28.16514	261.79573	92.56122	6.07358	0.1944707	0.29127692	2.2538863	20	—	—
181376 2006 SJ_{12}	16.0	X	93.44717	189.26657	149.42045	5.82958	0.2215408	0.22976315	2.6400722	20	—	—
181377 2006 SU_{13}	17.1	X	2.53622	340.20186	18.47643	5.17713	0.1856388	0.28663271	2.2781669	20	12 7.0	19.3
181378 2006 SA_{15}	17.2	X	329.54163	90.60166	274.69917	2.54219	0.0953715	0.28214968	2.3022351	20	10 3.2	19.4
181379 2006 SV_{18}	16.5	X	2.03433	314.76986	124.60204	3.11438	0.1842727	0.22607552	2.6687037	20	—	—
181380 2006 SF_{36}	16.4	X	14.93721	302.74712	60.73425	7.53105	0.2124151	0.21947973	2.7219059	20	12 17.3	19.6
181381 2006 SD_{37}	17.5	X	236.37817	232.67797	343.23020	4.03919	0.1032703	0.30447886	2.1882551	20	—	—
181382 2006 SF_{37}	17.0	X	70.12879	296.85294	231.85566	3.35964	0.0905183	0.25969617	2.4330947	20	5 30.0	19.9
181383 2006 SN_{43}	16.4	X	317.02760	111.97292	334.27146	10.50772	0.1338737	0.22266913	2.6958520	20	12 21.8	19.5
181384 2006 SZ_{46}	16.6	X	357.15530	279.62646	193.51084	11.30548	0.2099679	0.23383713	2.6093183	20	—	—
181385 2006 SU_{47}	16.9	X	270.35502	128.75536	335.88254	7.21966	0.0415882	0.29041603	2.2583383	20	11 23.9	19.6
181386 2006 SD_{49}	16.7	X	300.23352	322.59516	15.84902	2.54333	0.2254176	0.27130984	2.3631558	20	6 5.4	19.1
181387 2006 SS_{51}	15.9	X	51.04107	358.15201	65.38586	13.20316	0.1535129	0.23610827	2.5925586	20	—	—
181388 2006 ST_{60}	16.1	X	314.74593	294.66542	122.62096	9.90922	0.1647601	0.21352015	2.7723208	20	11 7.1	19.1
181389 2006 SW_{60}	15.6	X	295.30996	354.05358	100.67382	6.53339	0.1080514	0.21692610	2.7432255	20	11 25.7	18.9
181390 2006 SX_{71}	16.9	X	255.18505	33.34311	146.53059	2.50463	0.0630079	0.22612861	2.6682860	20	—	—
181391 2006 SM_{75}	16.0	X	116.05942	94.25167	34.63263	14.01185	0.2046157	0.18348892	3.0671110	20	6 15.4	21.1
181392 2006 SY_{77}	15.8	X	276.04151	270.52878	169.50733	13.64246	0.0836835	0.21076961	2.7963877	20	10 10.6	19.4
181393 2006 SK_{90}	17.4	X	47.94954	181.80370	351.49837	1.04012	0.1179186	0.25487271	2.4636962	20	5 4.5	19.9
181394 2006 SX_{90}	16.8	X	21.04564	69.30986	329.91438	1.01722	0.0839799	0.22346865	2.6894180	20	—	—
181395 2006 SY_{92}	17.3	X	302.20816	53.57809	197.26485	2.35644	0.1048899	0.25212267	2.4815791	20	2 25.9	20.4
181396 2006 SW_{95}	16.6	X	243.76286	55.52783	78.57170	1.08123	0.0150619	0.21480543	2.7612509	20	11 14.5	20.4
181397 2006 SF_{99}	16.0	X	285.03678	89.92498	20.18526	3.49313	0.0484446	0.21798066	2.7343708	20	12 4.3	19.6
181398 2006 SC_{108}	16.9	X	187.87612	86.46717	339.24922	6.97053	0.1057351	0.26433005	2.4045752	20	6 1.9	20.5
181399 2006 SD_{111}	16.2	X	128.51140	191.75626	139.51409	12.00757	0.1671254	0.23556866	2.5965162	20	—	—
181400 2006 SV_{115}	15.0	X	105.49724	292.28141	137.73610	14.58835	0.1438206	0.17395091	3.1782270	20	3 23.4	19.8
181401 2006 SF_{117}	17.1	X	81.78005	296.59631	82.22549	0.59559	0.1116591	0.30484655	2.1864952	20	—	—
181402 2006 SR_{118}	15.8	X	341.55448	96.22470	31.23653	8.31952	0.0954434	0.22899628	2.6459630	20	—	—
181403 2006 SW_{121}	17.1	X	52.62898	266.81648	146.30610	2.78185	0.1961505	0.23481356	2.6020797	20	—	—
181404 2006 SD_{124}	16.9	X	37.58880	241.11764	87.50204	6.70859	0.0674762	0.28978615	2.2616096	20	11 29.3	19.5
181405 2006 SK_{126}	16.0	X	349.12684	76.45680	17.80715	21.70367	0.1641004	0.22683157	2.6627704	20	—	—
181406 2006 SO_{132}	16.6	X	284.24057	27.78222	345.50716	4.80946	0.2296267	0.27153730	2.3618359	20	7 2.0	19.2
181407 2006 SQ_{133}	16.1	X	211.61767	261.85288	192.17624	11.13684	0.2364818	0.19901591	2.9054329	20	7 22.0	21.2
181408 2006 SK_{138}	16.7	X	299.32432	196.63029	159.99176	5.26455	0.1465009	0.27246551	2.3564688	20	7 16.3	19.1
181409 2006 SD_{141}	16.7	X	151.01668	193.31158	140.60513	5.43128	0.1771684	0.24044624	2.5612819	20	1 7.4	20.6
181410 2006 SE_{162}	15.8	X	306.19524	296.35528	151.12826	14.03682	0.1504937	0.21773062	2.7364638	20	12 3.7	19.0
181411 2006 SY_{170}	17.4	X	180.04976	131.05532	353.19072	3.07053	0.0840891	0.27395876	2.3478981	20	8 15.3	20.6
181412 2006 SO_{173}	16.7	X	41.14091	135.75735	328.98452	5.90710	0.0277471	0.31560532	2.1365177	20	—	—
181413 2006 SY_{179}	16.7	X	227.47884	165.34880	20.93126	3.62531	0.1818040	0.29669050	2.2263851	20	12 27.0	19.0
181414 2006 SX_{186}	15.4	X	200.24651	326.01194	34.93725	10.04905	0.1214137	0.17847176	3.1243262	20	3 31.2	20.4
181415 2006 SA_{193}	16.9	X	139.79755	333.31976	46.43239	2.18092	0.1064233	0.24524645	2.5277506	20	2 14.2	20.3
181416 2006 SL_{210}	17.4	X	242.88051	171.68489	164.03493	1.12757	0.0451858	0.25872365	2.4391882	20	4 12.1	20.4
181417 2006 SO_{214}	17.2	X	243.31098	89.74211	347.32897	8.09319	0.0818141	0.27452724	2.3446558	20	8 29.9	19.9
181418 2006 SJ_{216}	17.1	X	203.77650	253.83368	163.91074	4.99862	0.0857524	0.26453439	2.4033367	20	6 11.7	20.5
181419 Dragonera	15.8	X	43.75720	339.56770	44.11340	9.79038	0.2265032	0.22186541	2.7023587	20	—	—
181420 2006 SK_{258}	16.1	X	281.53582	238.74629	200.53868	3.13284	0.0482060	0.21176146	2.7876490	20	10 19.9	19.6
181421 2006 SM_{262}	16.5	X	176.77139	249.82076	78.52159	1.83468	0.0909182	0.24147649	2.5539917	20	1 19.8	20.3
181422 2006 SQ_{272}	16.5	X	27.97223	216.76732	162.91404	6.90982	0.1286986	0.22328409	2.6908998	20	—	—
181423 2006 SF_{274}	17.0	X	221.03032	304.34949	149.32127	4.92624	0.0925245	0.27377809	2.3489310	20	8 21.0	19.9
181424 2006 SM_{276}	16.8	X	64.49391	238.98380	142.91878	5.15229	0.1717372	0.23169521	2.6253750	20	—	—
181425 2006 SF_{279}	16.4	X	71.29371	342.57520	35.93630	5.46306	0.2569081	0.23015304	2.6370897	20	—	—
181426 2006 SP_{281}	16.6	X	41.55489	151.22828	293.57145	6.78412	0.1295922	0.23840536	2.5758785	20	—	—
181427 2006 SW_{281}	16.1	X	50.37902	213.82907	151.24743	14.40328	0.2659451	0.22316181	2.6918827	20	—	—
181428 2006 SG_{289}	15.8	X	283.15738	4.48120	103.00909	8.70110	0.0778229	0.21839269	2.7309305	20	11 27.6	19.2
181429 2006 SO_{315}	15.9	X	306.04148	94.64966	30.31848	11.46772	0.1034267	0.22481607	2.6786614	20	—	—
181430 2006 SV_{320}	17.4	X	112.77444	118.18404	133.66120	3.44305	0.1484358	0.28918209	2.2647579	20	11 22.3	20.8
181431 2006 SA_{321}	16.5	X	82.13210	155.83153	39.17878	7.31970	0.0575086	0.26834241	2.3805456	20	7 21.5	19.6
181432 2006 SX_{327}	17.2	X	351.51830	81.32063	70.37159	3.62010	0.1196995	0.23778248	2.5803749	20	—	—
181433 2006 SZ_{335}	16.6	X	22.93385	23.85400	77.42613	5.37200	0.1395832	0.23507389	2.6001583	20	—	—
181434 2006 SC_{344}	16.0	X	9.15878	80.39312	283.15342	2.52745	0.1087907	0.21530524	2.7569760	20	11 22.2	19.3
181435 2006 SD_{347}	15.9	X	237.76889	36.26091	357.10251	3.51009	0.1698048	0.19329702	2.9624608	20	6 8.0	20.6
181436 2006 SM_{348}	15.8	X	295.22357	58.63492	34.30168	6.71744	0.0715756	0.21571798	2.7534582	20	11 23.6	19.2
181437 2006 SB_{349}	16.6	X	213.53785	346.14195	75.45007	0.15250	0.1183306	0.19279904	2.9675598	20	6 23.5	21.1
181438 2006 SY_{350}	16.6	X	125.17864	44.69192	151.79705	7.25431	0.0398161	0.28079727	2.3096214	20	9 18.1	19.5
181439 2006 SW_{359}	16.0	X	313.22659	265.68063	183.08843	7.79249	0.1482978	0.21535518	2.7565498	20	12 15.3	19.1
181440 2006 SN_{380}	15.4	X	124.70562	293.03833	167.29095	16.73521	0.2077058	0.17814039	3.1281996	20	5 24.5	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
181441 2006 SV_{381}	15.8	X	123.49358	308.97337	132.59899	5.86413	0.1256106	0.17976732	3.1092971	20	4 21.9	20.5
181442 2006 SX_{391}	15.8	X	196.62115	272.64516	162.09768	12.13300	0.2094667	0.18867635	3.0106324	20	6 20.0	21.1
181443 2006 SJ_{393}	16.6	X	64.10430	192.09742	69.13046	3.34666	0.1567584	0.27359658	2.3499698	20	10 13.4	19.7
181444 2006 TB_{14}	15.5	X	264.43835	66.04646	30.32839	14.00995	0.1354451	0.20998394	2.8033586	20	10 8.3	19.1
181445 2006 TT_{15}	17.2	X	280.04805	113.45570	209.53635	4.49694	0.1214487	0.26378420	2.4078912	20	5 2.0	20.0
181446 2006 TY_{18}	15.3	X	140.38667	78.36590	23.60009	13.48927	0.2172591	0.18151783	3.0892747	20	6 4.3	20.6
181447 2006 TD_{19}	15.5	X	69.11746	93.98936	24.32831	9.06629	0.1206168	0.17200537	3.2021478	20	3 31.4	19.8
181448 2006 TQ_{19}	16.1	X	340.30186	156.65801	229.21030	4.77542	0.0253132	0.21127410	2.7919344	20	11 1.5	19.7
181449 2006 TC_{20}	16.5	X	345.41295	192.16574	285.74591	1.23451	0.1546963	0.22767060	2.6562243	20	—	—
181450 2006 TF_{21}	16.3	X	278.83966	77.16011	211.63644	6.46098	0.0472276	0.25248805	2.4791844	20	3 24.7	19.5
181451 2006 TD_{23}	16.2	X	278.54702	299.33070	90.20699	3.11493	0.0684858	0.19891090	2.9064554	20	8 7.1	20.1
181452 2006 TJ_{23}	17.4	X	212.02195	134.04074	41.06621	4.80851	0.0874645	0.29007597	2.2601029	20	12 2.7	20.2
181453 2006 TY_{25}	17.3	X	348.01159	241.40495	24.08276	3.41668	0.0542938	0.26228520	2.4170568	20	6 2.9	19.9
181454 2006 TK_{35}	16.4	X	255.44963	109.71118	19.24966	4.86870	0.1114700	0.21191014	2.7863450	20	11 7.4	19.9
181455 2006 TL_{35}	15.3	X	131.24144	239.72570	226.71252	9.23039	0.1512222	0.18131599	3.0915669	20	5 30.7	20.2
181456 2006 TG_{36}	16.2	X	110.40653	335.47104	225.64209	6.47303	0.0626638	0.27156285	2.3616877	20	9 1.8	19.4
181457 2006 TD_{42}	16.8	X	78.46966	17.68851	26.57670	1.33536	0.0516343	0.23346422	2.6120962	20	—	—
181458 2006 TH_{44}	16.7	X	187.96645	9.91614	217.73982	2.50381	0.1281215	0.29214220	2.2494336	20	—	—
181459 2006 TM_{44}	16.4	X	60.99195	63.17070	48.71420	4.56554	0.0563644	0.24200231	2.5502908	20	2 25.1	19.5
181460 2006 TF_{49}	17.4	X	154.33856	129.82886	208.14925	3.95644	0.1419086	0.31272314	2.1496250	20	—	—
181461 2006 TZ_{49}	15.4	X	180.89086	38.56942	65.08682	12.38002	0.0880199	0.19327252	2.9627111	20	7 14.8	20.1
181462 2006 TW_{50}	16.0	X	206.66705	146.42099	52.54764	3.05462	0.0380058	0.21664801	2.7455725	20	12 16.5	19.9
181463 2006 TY_{51}	16.9	X	314.38330	301.00277	165.03494	2.07694	0.0283842	0.21920939	2.7241432	20	—	—
181464 2006 TL_{54}	16.5	X	348.98090	332.82569	5.80313	5.13358	0.1890724	0.27914549	2.3187236	20	10 8.4	18.0
181465 2006 TX_{54}	16.4	X	166.37946	175.02299	150.14156	5.89214	0.2179332	0.24066219	2.5597495	20	1 14.1	20.5
181466 2006 TU_{55}	15.4	X	154.55955	305.25140	150.86783	9.13107	0.2552816	0.18231401	3.0802741	20	6 13.5	20.9
181467 2006 TY_{55}	15.2	X	166.27889	265.51970	110.36824	6.73232	0.0800349	0.17413795	3.1759508	20	3 15.5	20.0
181468 2006 TN_{56}	17.2	X	116.91728	201.53739	18.62725	7.34114	0.0734608	0.28301186	2.2975570	20	10 11.3	20.2
181469 2006 TK_{63}	16.6	X	38.55225	64.61055	282.24771	3.81509	0.0843309	0.29092114	2.2557235	20	12 27.6	19.1
181470 2006 TY_{63}	16.6	X	150.10332	232.79382	150.81292	7.13276	0.1288546	0.24666594	2.5180437	20	3 3.2	20.1
181471 2006 TT_{67}	15.5	X	139.67779	99.63262	328.88536	14.81868	0.2309368	0.17819451	3.1275662	20	4 21.2	21.0
181472 2006 TQ_{71}	16.0	X	324.62535	159.15470	264.61173	2.08067	0.0848735	0.21676887	2.7445518	20	12 1.1	19.2
181473 2006 TW_{71}	17.2	X	305.90244	246.46780	85.18992	6.63002	0.0800950	0.26917202	2.3756517	20	6 30.3	19.6
181474 2006 TR_{75}	15.7	X	334.80809	342.11638	59.14074	12.87568	0.0892877	0.21365120	2.7711870	20	11 17.2	18.8
181475 2006 TL_{80}	15.4	X	253.65832	353.22223	8.70070	10.13484	0.0467080	0.18914508	3.0056565	20	5 29.7	19.9
181476 2006 TK_{84}	16.5	X	287.69311	106.41065	338.16144	4.39114	0.0435110	0.21217765	2.7840026	20	11 2.9	20.2
181477 2006 TN_{87}	16.6	X	328.20924	184.67567	241.09067	4.29600	0.0794660	0.21536137	2.7564970	20	12 8.9	19.8
181478 2006 TR_{88}	16.8	X	104.34840	44.75313	349.34177	2.73702	0.0551450	0.23734542	2.5835417	20	1 12.9	20.0
181479 2006 TL_{90}	15.6	X	227.97485	332.70253	234.37944	10.06544	0.0384106	0.22284207	2.6944570	20	—	—
181480 2006 TF_{92}	16.6	X	233.91286	178.35804	345.40981	1.59928	0.0850437	0.21428821	2.7656924	20	11 28.7	20.3
181481 2006 TR_{92}	16.1	X	318.18499	285.47521	90.71812	3.15799	0.0485224	0.20601005	2.8392946	20	9 19.6	19.7
181482 2006 TO_{93}	16.3	X	71.66790	61.38393	237.37448	3.98023	0.0545713	0.21389480	2.7690825	20	11 14.1	20.2
181483 Ampleforth	16.3	X	29.84066	11.28583	47.54190	10.01413	0.0669466	0.22432179	2.6825948	20	—	—
181484 2006 TH_{96}	15.0	X	139.45274	98.00319	348.37147	14.58419	0.1777865	0.18036696	3.1024019	20	5 10.2	20.3
181485 2006 TT_{99}	16.6	X	308.00963	324.11174	241.38582	5.98348	0.0754260	0.24124965	2.5555924	20	1 11.1	20.1
181486 2006 TT_{101}	16.9	X	132.22235	147.13357	26.38879	7.49117	0.0452306	0.27084278	2.3658718	20	8 27.4	20.1
181487 2006 TA_{104}	16.2	X	57.13118	68.27572	197.78667	1.53041	0.0248299	0.20238490	2.8730994	20	9 8.5	19.9
181488 2006 TM_{104}	16.4	X	166.84908	263.14191	151.50674	1.58071	0.1901231	0.18036960	3.1023716	20	5 2.6	21.5
181489 2006 TV_{109}	16.0	X	40.80006	313.26268	129.05521	14.57690	0.1338543	0.23218413	2.6216882	20	—	—
181490 2006 TK_{110}	16.6	X	87.96325	341.00626	236.26451	6.04262	0.0747559	0.27085067	2.3658259	20	8 27.8	19.9
181491 2006 TR_{111}	16.6	X	342.02127	103.79709	142.31544	9.94423	0.0050373	0.25737715	2.4476880	20	5 4.2	19.9
181492 2006 UU_{1}	16.0	X	108.26921	233.18970	63.09627	7.94029	0.1391390	0.22168346	2.7038371	20	12 28.8	20.3
181493 2006 UJ_{3}	16.4	X	211.18576	277.67015	216.55322	1.20583	0.0226711	0.20599875	2.8393984	20	10 1.5	20.3
181494 2006 UJ_{4}	16.9	X	11.23646	190.30314	240.51303	1.34328	0.0515015	0.29872630	2.2162585	20	—	—
181495 2006 UZ_{5}	16.5	X	300.29864	22.25568	67.90852	2.37450	0.0216629	0.21604287	2.7506970	20	12 1.5	20.1
181496 2006 UM_{7}	16.0	X	180.27254	247.85228	185.59071	9.10375	0.1324375	0.18592943	3.0402126	20	6 5.7	21.0
181497 2006 UX_{8}	16.4	X	144.00729	173.95559	152.44351	3.35879	0.2155276	0.23519546	2.5992622	20	—	—
181498 2006 UK_{11}	15.9	X	128.37189	298.01899	145.73624	1.55068	0.1310045	0.17836295	3.1255968	20	4 28.5	20.7
181499 2006 UY_{11}	16.8	X	288.32302	243.58211	164.64970	2.76055	0.0471183	0.20502445	2.8483867	20	9 17.7	20.6
181500 2006 UJ_{14}	16.4	X	265.73923	294.14367	175.00219	2.49426	0.0215354	0.21108390	2.7936113	20	11 9.9	20.0
181501 2006 UY_{24}	16.6	X	304.37606	165.25903	341.18329	2.46147	0.1285574	0.22636716	2.6664111	20	—	—
181502 2006 UY_{27}	16.5	X	288.15590	61.34771	27.29887	6.40990	0.0247717	0.21384585	2.7695050	20	11 11.7	20.2
181503 2006 UC_{37}	16.3	X	205.99364	105.82501	353.53176	1.55995	0.0727011	0.19630581	2.9321124	20	8 6.2	20.7
181504 2006 UL_{39}	17.0	X	143.20979	9.01167	290.72382	0.92753	0.0576261	0.22768771	2.6560913	20	—	—
181505 2006 UR_{40}	16.6	X	293.33157	155.47510	35.98178	5.05684	0.0514130	0.23316336	2.6143427	20	—	—
181506 2006 UO_{41}	16.0	X	227.45163	12.22435	38.71347	1.08672	0.0336043	0.19128739	2.9831733	20	7 3.6	20.2
181507 2006 UT_{41}	16.6	X	289.39962	265.27173	42.88704	4.73400	0.0826930	0.25834822	2.4415506	20	4 30.5	19.7
181508 2006 UC_{45}	17.4	X	87.64641	256.69110	49.70016	6.79774	0.1214109	0.29021071	2.2594033	20	—	—
181509 2006 UJ_{52}	16.6	X	153.95538	128.75961	110.09253	2.56975	0.0362309	0.21794284	2.7346871	20	12 4.9	20.5
181510 2006 UA_{63}	14.2	X	24.09072	327.02997	279.10268	28.48209	0.2413774	0.17502680	3.1651892	20	7 16.4	17.8
181511 2006 UY_{67}	17.1	X	49.26482	146.45562	174.91473	7.72521	0.1717459	0.28915900	2.2648785	20	12 18.2	20.3
181512 2006 UT_{70}	15.8	X	77.22353	175.31015	171.58223	12.16279	0.1831019	0.22486405	2.6782803	20	—	—
181513 2006 UC_{71}	15.1	X	109.77549	285.65766	185.88202	10.20168	0.1146702	0.17711721	3.1402354	20	5 11.9	19.8
181514 2006 UY_{76}	16.0	X	316.94231	120.47714	274.62422	4.18087	0.0334501	0.20929139	2.8095395	20	10 10.1	19.7
181515 2006 UE_{77}	16.6	X	116.99579	148.86539	330.46067	3.91958	0.1050337	0.25589774	2.4571127	20	5 25.4	20.0
181516 2006 UW_{78}	16.8	X	333.92203	42.86345	337.41145	2.89875	0.1045227	0.21014417	2.8019335	20	10 16.3	20.1
181517 2006 UP_{79}	16.5	X	257.43441	127.88330	336.07541	3.50470	0.0684522	0.20996697	2.8035097	20	10 14.5	20.3
181518 2006 UL_{86}	15.6	X	96.51569	124.62514	41.67884	5.94843	0.2295893	0.18172230	3.0869569	20	7 17.9	20.5
181519 2006 UR_{87}	16.5	X	42.18107	247.97073	21.18530	2.88242	0.1517686	0.27181821	2.3602084	20	9 23.4	19.2
181520 2006 UY_{99}	16.9	X	241.63999	144.65417	77.05370	6.32099	0.1045999	0.30233956	2.1985655	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
181521 2006 US_{101}	16.5	X	147.20706	66.62597	154.92876	4.27821	0.0457699	0.21131490	2.7915751	20	11 5.7	20.6
181522 2006 UW_{102}	17.0	X	109.26132	99.90987	182.36787	5.51278	0.1141257	0.29109476	2.2548265	20	12 25.8	20.4
181523 2006 UW_{103}	16.0	X	134.36583	70.30227	75.31167	4.81282	0.0826415	0.18973792	2.9993925	20	7 16.9	20.5
181524 2006 UQ_{106}	16.5	X	30.76874	169.54841	84.69660	5.36165	0.0936003	0.26692408	2.3889710	20	8 4.3	19.1
181525 2006 UP_{117}	16.2	X	79.58585	348.16783	204.45045	8.66023	0.2689928	0.26375626	2.4080612	20	8 8.8	19.9
181526 2006 UQ_{118}	15.9	X	169.07447	73.75610	51.28211	1.91915	0.0486879	0.19619701	2.9331962	20	7 29.0	20.2
181527 2006 UG_{131}	16.9	X	256.19733	223.70141	333.89502	2.04533	0.0319972	0.22892764	2.6464918	20	—	—
181528 2006 UD_{133}	16.1	X	134.26458	348.68901	68.36118	2.18267	0.1832317	0.17446389	3.1719940	20	4 7.4	21.1
181529 2006 UM_{134}	16.3	X	198.08903	4.91061	135.00664	3.14915	0.0486776	0.20362297	2.8614415	20	9 21.3	20.3
181530 2006 UD_{137}	16.3	X	305.81979	224.28512	16.11493	8.50554	0.1042982	0.24636413	2.5200997	20	2 22.0	19.6
181531 2006 UE_{137}	16.8	X	168.34846	22.36149	291.65984	2.99635	0.1543978	0.30896392	2.1670264	20	—	—
181532 2006 UK_{141}	16.5	X	119.66799	138.90803	207.67664	4.32770	0.0857144	0.22997224	2.6384717	20	—	—
181533 2006 UJ_{144}	16.5	X	89.35660	58.37819	287.49874	2.37240	0.1950181	0.22642831	2.6659310	20	—	—
181534 2006 UC_{152}	16.0	X	74.80796	40.72554	161.06035	1.80584	0.0493300	0.19061630	2.9901710	20	7 12.3	20.0
181535 2006 UA_{170}	15.4	X	128.27171	283.91446	196.23835	13.53228	0.1394261	0.18445308	3.0564135	20	6 12.5	20.3
181536 2006 UE_{174}	15.5	X	76.98057	105.39586	14.09589	9.52267	0.1090783	0.17283331	3.1919133	20	4 8.8	19.9
181537 2006 UE_{175}	16.3	X	348.10785	237.08875	139.73277	5.27801	0.1197507	0.21489423	2.7604902	20	11 9.9	19.4
181538 2006 UL_{176}	16.3	X	154.97148	324.52665	119.99660	6.05444	0.2202509	0.18395858	3.0618883	20	5 30.0	21.6
181539 2006 UX_{177}	16.1	X	294.09160	260.25050	116.00983	3.70818	0.0535713	0.20129891	2.8834235	20	8 13.4	19.8
181540 2006 UA_{181}	16.3	X	56.26423	291.95491	131.75712	7.22060	0.1020296	0.23305393	2.6151610	20	—	—
181541 2006 UK_{188}	15.9	X	353.34869	169.83146	304.34724	12.65901	0.1192406	0.23111529	2.6297649	20	—	—
181542 2006 UM_{189}	15.9	X	350.38600	179.86693	294.74649	10.01268	0.1171103	0.22977060	2.6400151	20	—	—
181543 2006 UZ_{189}	16.0	X	315.75134	110.84954	334.29191	8.68461	0.0971090	0.21795652	2.7345727	20	12 15.6	19.4
181544 2006 UH_{191}	16.0	X	159.16602	71.76241	303.78019	8.65661	0.2359732	0.17502288	3.1652365	20	3 10.1	21.6
181545 2006 UX_{198}	16.1	X	157.85183	63.92614	53.47651	1.88170	0.0853219	0.18835368	3.0140698	20	7 6.5	20.7
181546 2006 US_{204}	16.2	X	21.59353	116.15314	325.01306	2.64611	0.0558303	0.22785066	2.6548248	20	—	—
181547 2006 UT_{217}	15.5	X	157.82669	9.08275	43.78019	7.07829	0.2210206	0.17741299	3.1367442	20	4 24.4	20.7
181548 2006 UG_{220}	16.3	X	52.52397	22.83120	12.19406	3.35830	0.1227686	0.22734299	2.6587755	20	—	—
181549 2006 US_{238}	16.9	X	71.65643	294.05241	306.93464	2.89308	0.0788212	0.27413749	2.3468775	20	9 11.4	19.8
181550 2006 UF_{251}	16.2	X	187.22245	149.77358	228.48055	2.32924	0.0931010	0.17972180	3.1098220	20	4 4.9	21.0
181551 2006 UC_{254}	16.2	X	314.93153	227.91627	221.06659	7.97480	0.0494525	0.21710522	2.7417165	20	12 19.3	19.7
181552 2006 UK_{266}	15.8	X	287.85754	190.54576	128.03918	1.58135	0.1511964	0.19001313	2.9964956	20	5 4.9	19.8
181553 2006 UB_{270}	15.6	X	234.26046	133.23224	51.11776	9.82228	0.1622827	0.21692172	2.7432624	20	12 13.9	19.5
181554 2006 UH_{273}	15.8	X	226.75781	158.16742	293.23153	4.12248	0.0558850	0.19759846	2.9193109	20	8 20.7	19.9
181555 2006 US_{273}	16.6	X	235.56809	220.19515	334.41978	1.84729	0.0320743	0.22022795	2.7157373	20	—	—
181556 2006 UR_{275}	17.1	X	81.90549	181.27304	30.35842	3.05803	0.1431055	0.27044343	2.3682002	20	8 26.1	20.3
181557 2006 UJ_{282}	16.1	X	175.97656	307.40921	162.08324	1.29076	0.1179367	0.18940638	3.0028916	20	7 15.3	20.8
181558 2006 UT_{282}	16.6	X	286.28222	236.18261	238.02552	4.03006	0.1193548	0.21537455	2.7563845	20	12 4.4	19.8
181559 2006 US_{284}	15.9	X	207.60619	45.99094	226.53602	5.81858	0.1305680	0.23614684	2.5922763	20	—	—
181560 2006 UY_{284}	16.7	X	274.15458	15.62695	64.65557	2.97956	0.0479669	0.20445508	2.8536724	20	10 10.9	20.4
181561 2006 UX_{286}	16.3	X	199.28087	207.16120	127.42656	1.43667	0.1668630	0.24646121	2.5194379	20	2 20.2	20.5
181562 Paulrosendall	16.5	X	325.40394	236.30999	65.82532	7.35477	0.1114035	0.26236130	2.4165894	20	6 14.6	18.9
181563 2006 UQ_{329}	15.9	X	236.98970	86.77286	354.83916	8.81317	0.0825100	0.19812477	2.9141386	20	8 20.8	20.0
181564 2006 UJ_{331}	15.5	X	120.65698	295.68505	181.26431	16.43227	0.1646192	0.17919421	3.1159232	20	6 4.4	20.6
181565 2006 VQ_{5}	16.3	X	169.43787	103.74357	200.79482	0.91532	0.1205495	0.23293291	2.6160667	20	—	—
181566 2006 VT_{8}	15.4	X	116.95753	40.95145	72.14286	10.77287	0.0305680	0.17892277	3.1190737	20	5 11.8	19.8
181567 2006 VA_{9}	15.7	X	154.29992	249.88343	235.41002	10.36047	0.1024560	0.18978857	2.9988588	20	7 11.1	20.4
181568 2006 VP_{20}	16.0	X	115.73626	49.20799	43.31194	3.05704	0.0856969	0.17505685	3.1648270	20	4 20.3	20.7
181569 Leetyphoon	16.2	X	56.34159	239.53692	5.98725	1.80573	0.0946746	0.19507852	2.9443974	20	8 22.1	20.0
181570 2006 VZ_{21}	17.5	X	241.49910	310.66072	289.15985	2.60796	0.1172457	0.30805640	2.1712803	20	—	—
181571 2006 VT_{23}	16.5	X	52.42635	230.94239	85.63335	2.81302	0.0847984	0.21117878	2.7927744	20	11 17.2	20.2
181572 2006 VF_{27}	15.8	X	160.83816	330.86323	61.18795	1.94015	0.1680153	0.17415126	3.1757890	20	3 31.6	21.0
181573 2006 VN_{45}	16.0	X	244.37566	282.37045	77.51069	9.62823	0.1403293	0.18755589	3.0226109	20	5 9.7	20.7
181574 2006 VL_{50}	16.4	X	56.18428	77.73843	261.65589	3.48591	0.0763347	0.21396365	2.7684885	20	12 19.0	20.1
181575 2006 VX_{56}	16.6	X	60.36707	157.12874	216.86210	5.16061	0.0503988	0.22209842	2.7004682	20	—	—
181576 2006 VC_{57}	16.9	X	218.29370	14.70775	185.44106	2.54249	0.1280301	0.21600322	2.7510336	20	12 19.9	20.7
181577 2006 VV_{64}	16.7	X	68.24189	153.02888	200.21624	1.62297	0.0233976	0.21857478	2.7294136	20	—	—
181578 2006 VS_{72}	15.0	X	19.94079	353.56538	246.27643	8.48039	0.0200210	0.18496078	3.0508179	20	6 14.1	19.1
181579 2006 VL_{73}	16.2	X	11.88913	28.59145	244.60159	6.09375	0.0974023	0.26432366	2.4046139	20	7 27.3	18.8
181580 2006 VP_{77}	16.2	X	233.92066	74.04431	87.74626	5.44988	0.0152674	0.21403503	2.7678729	20	12 6.7	20.1
181581 2006 VR_{87}	16.8	X	16.23366	333.54227	4.22669	5.78167	0.1761697	0.28260321	2.2997713	20	11 25.3	19.4
181582 2006 VS_{101}	16.5	X	291.50697	42.63642	83.76019	4.29989	0.0448886	0.21700544	2.7425569	20	—	—
181583 2006 VH_{108}	15.6	X	300.38733	184.12963	52.88935	16.44163	0.1319312	0.24561384	2.5252293	20	2 9.9	19.4
181584 2006 VT_{113}	15.4	X	231.33286	276.38063	27.67379	4.84081	0.2204376	0.24460794	2.5321476	20	2 11.4	19.7
181585 2006 VZ_{124}	16.4	X	250.92815	56.78796	18.67346	1.78757	0.0581477	0.19866818	2.9088222	20	8 31.9	20.3
181586 2006 VU_{128}	16.1	X	111.92621	3.37440	345.93490	4.03657	0.1317768	0.22997664	2.6384381	20	—	—
181587 2006 VR_{134}	16.4	X	48.10242	209.44019	69.17017	7.49195	0.0830800	0.27321699	2.3521459	20	10 7.7	19.4
181588 2006 VW_{136}	16.7	X	78.23933	232.72212	59.80881	1.96599	0.0841276	0.20934103	2.8090953	20	11 17.0	20.5
181589 2006 VL_{138}	15.5	X	86.37398	339.89582	44.04314	7.95941	0.2347467	0.22945217	2.6424571	20	1 2.6	18.5
181590 2006 VU_{138}	15.5	X	309.69607	186.89561	89.32361	2.07286	0.1456472	0.18074534	3.0980706	20	4 11.9	19.4
181591 2006 VS_{145}	15.2	X	159.50345	92.88285	342.84795	10.83909	0.0495599	0.18223683	3.0811436	20	5 11.2	19.9
181592 2006 VW_{146}	15.9	X	315.58613	201.24758	84.47727	10.70189	0.1292765	0.25801889	2.4436278	20	5 4.9	18.7
181593 2006 VZ_{149}	15.8	X	176.11324	111.67687	75.70261	5.43938	0.0123834	0.21002557	2.8029882	20	10 29.2	19.6
181594 2006 VE_{154}	15.3	X	323.95499	216.62089	27.07519	9.64256	0.0407224	0.17813920	3.1282135	20	4 4.8	19.5
181595 2006 VE_{168}	17.5	X	132.17592	44.84302	150.54104	1.52165	0.1193976	0.27385207	2.3485079	20	9 26.4	21.0
181596 2006 WJ_{2}	15.8	X	205.87915	48.95728	59.35929	18.12012	0.2338897	0.19633672	2.9318047	20	8 12.4	21.1
181597 2006 WU_{5}	16.5	X	323.90245	312.94592	109.70811	4.79226	0.0621758	0.21185490	2.7868294	20	11 27.9	19.9
181598 2006 WQ_{21}	15.2	X	311.13245	170.10900	91.55462	9.96813	0.0294738	0.17503511	3.1650890	20	4 15.8	19.7
181599 2006 WC_{25}	16.0	X	264.76016	57.82926	113.99027	6.26803	0.0529977	0.21882586	2.7273253	20	—	—
181600 2006 WN_{34}	15.8	X	169.01119	106.25067	83.10587	10.21391	0.0719047	0.20475859	2.8508518	20	10 22.5	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
181601 2006 WA_{39}	16.7	X	111.85606	163.94679	128.50104	2.19018	0.0578113	0.21537002	2.7564231	20	12 22.8	20.7
181602 2006 WO_{39}	17.4	X	156.13535	126.41520	122.18193	2.65493	0.1148734	0.28725589	2.2748709	20	12 30.3	20.5
181603 2006 WL_{42}	16.2	X	287.75203	6.61788	161.13721	5.00422	0.1197537	0.22224211	2.6993041	20	—	—
181604 2006 WE_{44}	17.4	X	153.37150	104.71546	132.09477	3.48321	0.0907319	0.28565517	2.2833614	20	12 13.8	20.6
181605 2006 WY_{48}	15.5	X	156.05540	105.51538	95.12135	6.89838	0.1246831	0.20262327	2.8708456	20	10 20.4	20.1
181606 2006 WY_{51}	16.5	X	276.54877	152.12693	50.91387	4.81741	0.1496347	0.22680884	2.6629483	20	—	—
181607 2006 WG_{60}	15.7	X	228.64633	21.64930	124.55164	6.24543	0.0960821	0.20692927	2.8308798	20	10 31.4	19.8
181608 2006 WT_{93}	16.0	X	94.63269	214.57148	84.67817	6.77347	0.0461034	0.21425235	2.7660009	20	12 10.9	19.9
181609 2006 WB_{98}	16.3	X	54.54983	142.92177	69.90574	2.59791	0.0928296	0.18487671	3.0517427	20	7 5.8	20.3
181610 2006 WW_{100}	15.7	X	255.87578	152.87074	273.85129	8.26967	0.0244946	0.19903714	2.9052263	20	8 27.3	19.9
181611 2006 WJ_{103}	17.2	X	222.76715	90.80556	249.09322	1.37938	0.0637985	0.24745954	2.5126572	20	3 22.4	20.6
181612 2006 WM_{105}	16.0	X	252.77184	275.53021	227.73510	3.25595	0.0466260	0.21121927	2.7924175	20	12 2.3	19.7
181613 2006 WC_{106}	16.6	X	3.02855	172.55770	77.51810	3.15698	0.1794813	0.25651242	2.4531858	20	6 8.2	18.5
181614 2006 WL_{109}	16.4	X	175.26403	151.08016	84.94287	1.83106	0.0179333	0.21394471	2.7686519	20	12 26.4	20.3
181615 2006 WN_{113}	16.0	X	179.84063	229.34720	89.83458	6.15174	0.0310947	0.23514761	2.5996148	20	1 8.5	19.6
181616 2006 WX_{129}	16.3	X	85.46189	204.08250	150.14858	5.61873	0.3039500	0.22732252	2.6589351	20	—	—
181617 2006 WL_{141}	15.8	X	110.13592	0.03396	212.81126	7.41624	0.0334149	0.19868464	2.9086615	20	9 5.6	20.1
181618 2006 WX_{149}	15.5	X	241.28519	30.51548	74.04542	5.03524	0.1807024	0.12652541	3.9296228	20	9 4.1	21.4
181619 2006 WZ_{160}	16.5	X	167.29277	240.85209	80.58422	5.54854	0.0847286	0.23503852	2.6004191	20	1 1.4	20.3
181620 2006 WA_{167}	16.7	X	58.39864	100.32170	226.04042	3.05423	0.0996701	0.21266434	2.7797534	20	12 8.5	20.5
181621 2006 WC_{173}	16.2	X	94.18611	305.90725	85.02709	3.40934	0.0986271	0.23058110	2.6338250	20	1 2.2	19.3
181622 2006 WX_{185}	15.6	X	192.46911	99.38471	346.58738	9.78606	0.0815076	0.19003456	2.9962703	20	7 5.5	20.3
181623 2006 WO_{190}	15.3	X	212.87205	177.17403	182.78694	9.43939	0.0634698	0.17766270	3.1338043	20	4 12.1	19.9
181624 2006 WO_{191}	16.7	X	71.80983	230.26171	83.52185	6.13416	0.1504204	0.28766682	2.2727040	20	12 29.4	19.9
181625 2006 WD_{193}	15.8	X	199.79860	209.40656	156.74296	1.76202	0.1155412	0.17489761	3.1667478	20	4 4.0	20.7
181626 2006 XY_{5}	15.3	X	224.84418	30.76456	4.78518	8.56173	0.1923404	0.18711794	3.0273253	20	5 25.9	20.4
181627 Philgeluck	16.9	X	24.27183	226.87410	58.66190	2.04563	0.0793071	0.27102585	2.3648063	20	9 7.7	19.6
181628 2006 XJ_{7}	16.0	X	325.81384	297.14526	70.05561	7.14946	0.1324642	0.19961942	2.8995740	20	9 16.6	19.4
181629 2006 XK_{8}	14.9	X	151.51273	23.65982	81.36311	9.83320	0.0413191	0.18049638	3.1009188	20	6 11.4	19.3
181630 2006 XA_{10}	16.2	X	325.33155	25.05504	277.26148	6.32489	0.1171460	0.25667019	2.4521805	20	6 14.4	18.6
181631 2006 XJ_{11}	16.5	X	58.35100	141.58260	54.58011	1.59290	0.0902573	0.18414565	3.0598143	20	6 18.6	20.6
181632 2006 XP_{13}	16.0	X	14.26605	20.65147	287.48318	0.92139	0.0556065	0.19687227	2.9264853	20	9 8.0	19.6
181633 2006 XZ_{17}	15.3	X	249.70171	106.86468	3.27149	2.51025	0.1722505	0.12461085	3.9697713	20	9 17.6	21.2
181634 2006 XW_{20}	15.9	X	284.96869	51.95245	211.68466	8.05396	0.1144835	0.24341146	2.5404386	20	2 18.2	19.6
181635 2006 XK_{22}	15.9	X	210.75680	326.63282	238.52056	4.62865	0.0370273	0.21380614	2.7698479	20	12 28.4	19.6
181636 2006 XT_{25}	15.7	X	100.60144	199.52276	269.60455	3.71642	0.1015306	0.17159780	3.2072162	20	4 23.7	20.3
181637 2006 XC_{26}	15.7	X	159.52599	231.92540	167.22452	4.60957	0.1721396	0.17349931	3.1837397	20	4 8.2	20.9
181638 2006 XK_{33}	16.5	X	81.08387	72.61274	309.50185	5.16532	0.0629982	0.22399493	2.6852038	20	—	—
181639 2006 XR_{43}	16.1	X	37.93596	70.87180	331.12955	4.50247	0.1255208	0.21877651	2.7277355	20	—	—
181640 2006 XJ_{47}	15.3	X	304.63173	212.34840	108.91420	10.82560	0.0794473	0.18436984	3.0573333	20	6 11.9	19.3
181641 2006 XW_{48}	15.3	X	45.19830	94.35435	76.94744	11.48473	0.0889093	0.17388690	3.1790069	20	5 1.6	19.5
181642 2006 XU_{65}	15.7	X	151.82711	202.75133	205.34785	5.39000	0.1918113	0.17258426	3.1949833	20	4 12.0	20.8
181643 2006 YB_{5}	15.5	X	130.49827	48.17349	83.33644	9.89659	0.0110410	0.18554962	3.0443599	20	6 17.0	19.8
181644 2006 YV_{7}	15.0	X	127.42145	86.61755	43.87313	17.02922	0.0935594	0.17827168	3.1266635	20	6 18.2	19.9
181645 2006 YZ_{46}	15.7	X	275.50263	258.20535	107.19451	2.99311	0.1474233	0.19014471	2.9951131	20	6 18.6	19.9
181646 2007 AM_{16}	15.1	X	112.99452	95.55216	131.83059	10.97609	0.0640668	0.18875470	3.0097993	20	10 5.7	19.7
181647 2007 CT_{25}	15.3	X	215.19091	307.62033	217.01755	1.31557	0.1379611	0.12563023	3.9482678	20	10 19.4	21.2
181648 2007 EE_{1}	13.3	X	214.54211	131.48026	210.38505	3.22798	0.0294023	0.08437738	5.1481600	20	3 29.6	20.3
181649 2007 TO_{333}	17.0	X	177.48850	59.80521	327.89223	0.80009	0.1900392	0.27135070	2.3629185	20	4 4.7	20.7
181650 2007 UF_{33}	15.4	X	96.72373	13.29942	282.94457	12.84855	0.1298793	0.23921192	2.5700851	20	12 21.2	19.3
181651 2007 UT_{59}	16.2	X	0.34220	73.30095	233.16554	3.12276	0.0581631	0.21444104	2.7643781	20	8 17.4	19.7
181652 2007 VO_{11}	15.2	X	123.84345	284.02483	90.88770	14.10054	0.1674503	0.17778325	3.1323876	20	2 8.2	20.1
181653 2007 VM_{99}	15.6	X	105.33776	34.58781	261.31395	12.73919	0.0315751	0.23199925	2.6230807	20	12 21.8	19.2
181654 2007 VD_{166}	16.3	X	154.31635	146.56589	160.97101	1.44677	0.0975237	0.24622241	2.5210667	20	—	—
181655 2007 VZ_{189}	17.0	X	180.13611	304.67092	84.32483	4.22721	0.2157437	0.27109253	2.3644185	20	4 11.5	20.9
181656 2007 VM_{231}	16.0	X	40.17865	59.77716	248.43175	3.26989	0.0875747	0.22238154	2.6981757	20	10 23.0	19.5
181657 2007 VB_{263}	15.4	X	218.01765	270.70886	41.82236	9.69217	0.0972831	0.18329168	3.0693109	20	2 22.3	20.3
181658 2007 VZ_{268}	16.4	X	9.03392	332.03245	92.01961	7.37691	0.1089191	0.23738660	2.5832429	20	—	—
181659 2007 XW_{1}	16.1	X	226.03221	313.78303	78.83601	3.32792	0.0846175	0.20040082	2.8920317	20	6 3.2	20.3
181660 2007 YK_{45}	17.9	X	289.68991	329.90026	171.79227	0.97685	0.0632940	0.30680472	2.1771818	20	—	—
181661 2007 YO_{47}	15.4	X	125.93844	307.09133	127.95025	10.57707	0.0907085	0.17924339	3.1153531	20	4 14.9	20.2
181662 2007 YW_{55}	15.6	X	83.61333	40.16187	122.23569	12.94776	0.2013016	0.18059509	3.0997886	20	6 24.9	20.2
181663 2008 AW_{2}	16.2	X	70.40793	15.30416	132.69214	6.97233	0.0788974	0.25913877	2.4365825	20	5 1.6	19.2
181664 2008 AW_{16}	16.9	X	251.51663	202.85571	137.61570	5.28223	0.1420982	0.26457458	2.4030934	20	4 19.9	20.4
181665 2008 AG_{32}	12.6	X	329.87361	173.45935	102.11848	19.81004	0.0836690	0.08481376	5.1304858	20	5 24.9	19.2
181666 2008 AA_{33}	15.7	X	348.58772	31.50254	65.23438	13.78486	0.1581338	0.23266956	2.6180404	20	—	—
181667 2008 AU_{38}	16.5	X	24.77932	236.97520	177.41741	4.58618	0.3020466	0.23507959	2.6001163	20	—	—
181668 2008 AX_{44}	16.6	X	358.31495	341.07710	265.97954	0.37794	0.1585166	0.25889897	2.4380868	20	5 22.6	18.4
181669 2008 AE_{62}	15.8	X	276.67799	182.64449	305.96135	12.11358	0.0592593	0.22089568	2.7102617	20	12 17.1	19.3
181670 Kengyun	15.0	X	273.53276	139.65456	138.97052	11.47883	0.0309370	0.17361084	3.1823760	20	3 18.8	19.6
181671 2008 BO_{22}	16.2	X	61.68300	16.22079	323.98067	5.11232	0.0349788	0.21570358	2.7535807	20	12 21.6	20.0
181672 2008 BV_{23}	17.2	X	329.76982	271.50828	122.37583	5.90074	0.0650547	0.29407931	2.2395447	20	11 21.2	19.5
181673 2008 BM_{32}	15.3	X	198.83322	263.13762	123.71806	11.57815	0.1264780	0.18253692	3.0777658	20	5 1.5	20.4
181674 2008 CF_{52}	17.2	X	120.98924	200.36390	333.85791	4.18841	0.0844118	0.27726140	2.3292161	20	8 14.6	20.3
181675 2008 CC_{70}	13.9	X	183.42930	357.85602	168.89796	9.13797	0.1311672	0.12414203	3.9797595	20	9 24.2	20.1
181676 2213 P–L	17.0	X	62.99465	175.36208	238.20467	3.09275	0.2556447	0.23534606	2.5981532	20	—	—
181677 2617 P–L	17.0	X	266.92701	240.24527	155.18501	2.09036	0.1997341	0.27715412	2.3298171	20	7 13.6	19.8
181678 2667 P–L	17.3	X	184.20284	21.94472	6.07274	2.32422	0.2176971	0.27352031	2.3504066	20	4 11.3	21.0
181679 2724 P–L	16.9	X	292.08783	206.63387	169.12278	5.95293	0.2259147	0.27778263	2.3263015	20	7 18.7	19.4
181680 4290 P–L	17.1	X	358.63490	356.86781	341.19802	3.71625	0.1613726	0.27977785	2.3152283	20	10 23.1	19.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
181681 4746 *P–L*	16.3	*X*	189.84093	329.77051	4.74425	6.34211	0.1346990	0.23886641	2.5725628	20	2 13.5	20.3
181682 4786 *P–L*	16.3	*X*	134.09619	237.44426	146.48092	2.04325	0.1134472	0.23812278	2.5779159	20	2 13.7	19.8
181683 4803 *P–L*	17.1	*X*	174.89297	348.52579	21.30195	1.66082	0.1853730	0.25603892	2.4562094	20	3 12.7	20.9
181684 6330 *P–L*	16.3	*X*	111.25996	49.74605	345.90477	8.29084	0.1249887	0.23746910	2.5826446	20	2 4.9	19.7
181685 6645 *P–L*	16.1	*X*	254.37109	340.80389	18.86121	9.30088	0.2367612	0.25950298	2.4343021	20	5 3.7	19.8
181686 6712 *P–L*	15.7	*X*	150.04626	189.68520	180.77081	13.04332	0.1698240	0.23854513	2.5748722	20	2 17.5	19.8
181687 9568 *P–L*	15.5	*X*	148.49906	351.44015	34.11888	7.71802	0.3516868	0.23901217	2.5715168	20	3 22.6	20.1
181688 2331 *T–2*	17.5	*X*	194.87986	233.80571	174.14515	0.73882	0.2200997	0.26651364	2.3914231	20	5 15.9	21.5
181689 3093 *T–2*	15.3	*X*	350.25023	309.04231	9.21114	10.80583	0.1063148	0.18743685	3.0238905	20	8 21.6	19.0
181690 3174 *T–2*	16.7	*X*	94.66911	12.14077	32.92920	5.91581	0.2792074	0.23947029	2.5682362	20	2 19.3	20.0
181691 4089 *T–2*	16.2	*X*	165.10834	246.92737	136.03795	3.65146	0.2173263	0.24289687	2.5440254	20	3 23.5	20.3
181692 4621 *T–2*	16.3	*X*	20.99437	301.22037	24.58247	8.18383	0.1325419	0.27398561	2.3477448	20	11 6.2	19.0
181693 5096 *T–2*	15.7	*X*	146.24163	38.23225	340.88327	16.12703	0.2170832	0.24147090	2.5540311	20	3 1.4	19.8
181694 1049 *T–3*	15.9	*X*	311.44019	42.61678	351.82550	14.87406	0.1501497	0.20553476	2.8436700	20	9 22.2	19.0
181695 3007 *T–3*	16.1	*X*	118.02406	349.36598	69.13697	1.79191	0.1353466	0.24062361	2.5600232	20	3 13.6	19.5
181696 3113 *T–3*	16.5	*X*	355.91625	327.46938	21.75845	8.35860	0.2293839	0.27593346	2.3366830	20	11 13.6	18.5
181697 5185 *T–3*	15.3	*X*	152.07350	235.06762	132.34278	8.37917	0.1872709	0.17215184	3.2003312	20	2 26.4	20.5
181698 5684 *T–3*	17.1	*X*	137.54729	218.52788	107.60519	5.23424	0.2373387	0.30714940	2.1755527	20	—	—
181699 5701 *T–3*	14.8	*X*	311.87859	238.86984	79.64015	10.41796	0.0607974	0.17828897	3.1264614	20	6 19.7	19.0
181700 1981 EG_2	15.8	*X*	229.54558	244.67423	236.88047	9.52618	0.1993142	0.21469449	2.7622021	20	9 13.2	20.2
181701 1981 EP_{34}	16.2	*X*	299.58886	252.51829	225.11873	8.26246	0.1899551	0.21912929	2.7248071	20	12 27.4	18.9
181702 Forcalquier	16.6	*X*	321.02825	173.82500	161.78095	5.08089	0.2486503	0.27546752	2.3393172	20	7 12.3	18.1
181703 1988 *TS*	14.6	*X*	49.78223	126.90929	207.60193	13.99872	0.3832998	0.18898396	3.0073646	20	—	—
181704 1989 *NA*	15.8	*X*	61.85615	202.06443	96.91160	14.16527	0.4539403	0.22953603	2.6418134	20	12 18.1	20.5
181705 1989 *RY*	15.5	*X*	169.94927	141.54306	232.32682	5.74035	0.3187975	0.24169646	2.5524418	20	3 16.9	20.3
181706 1991 UY_3	15.6	*X*	116.92275	179.71921	211.85881	3.52786	0.2502986	0.25247534	2.4792676	20	2 18.4	19.2
181707 1992 EN_6	15.0	*X*	41.27848	47.18729	141.70093	17.70991	0.0699278	0.18058403	3.0999152	20	5 18.4	19.4
181708 1993 *FW*	7.0	*X*	351.38616	46.01064	187.92597	7.75099	0.0523028	0.00338819	43.9026695	20	5 5.7	23.2
181709 1993 FD_{32}	15.8	*X*	156.26770	158.11537	52.34271	6.12188	0.0448621	0.19902188	2.9053748	20	10 30.4	19.9
181710 1993 SO_8	16.3	*X*	200.91330	334.94703	6.85521	13.40882	0.2791221	0.24097594	2.5575272	20	3 5.2	20.9
181711 1993 SC_9	16.5	*X*	126.22510	200.74912	193.84570	1.54659	0.2049907	0.23676829	2.5877383	20	2 29.0	20.4
181712 1993 TQ_{16}	15.3	*X*	168.49046	324.69211	22.63166	18.70827	0.2416278	0.23754772	2.5820747	20	2 22.0	20.0
181713 1993 TL_{27}	15.7	*X*	174.94005	315.31817	33.15040	12.91370	0.1926783	0.23783262	2.5800123	20	2 23.4	20.1
181714 1993 TM_{27}	15.3	*X*	340.26906	105.18929	188.79290	14.42721	0.2465653	0.17707106	3.1407811	20	6 16.9	18.7
181715 1993 TO_{34}	17.0	*X*	156.44070	212.58266	134.22039	4.15929	0.1888660	0.30953916	2.1643408	20	1 20.7	20.0
181716 1994 BG_2	16.0	*X*	11.16046	352.87199	120.02788	4.91759	0.0825137	0.22504008	2.6768835	20	—	—
181717 1994 GD_6	15.5	*X*	194.39479	356.54262	17.95050	9.84026	0.0750433	0.18976698	2.9990863	20	4 7.8	20.1
181718 1994 ST_8	16.8	*X*	27.46551	230.35601	182.64449	1.59615	0.1846302	0.23683599	2.5872452	20	—	—
181719 1994 UX_3	17.6	*X*	60.23754	353.21765	22.41958	0.86770	0.1939338	0.23616138	2.5921699	20	—	—
181720 1994 YX_3	16.5	*X*	269.63120	163.78264	292.93302	3.77047	0.0279806	0.22188627	2.7021892	20	10 29.2	20.0
181721 1995 BT_{10}	17.6	*X*	268.24367	149.26459	109.51548	4.23331	0.1605655	0.31296805	2.1485034	20	1 13.4	20.4
181722 1995 *CU*	16.2	*X*	89.01179	47.66169	51.82838	5.87040	0.2182784	0.24065286	2.5598157	20	4 13.1	19.4
181723 1995 DY_6	17.0	*X*	240.60099	166.45454	111.97133	1.92118	0.0799805	0.23230999	2.6207411	20	1 26.3	20.8
181724 1995 FX_{11}	17.3	*X*	186.68918	281.09639	12.56029	5.07136	0.2094740	0.30318170	2.1944923	20	—	—
181725 1995 FO_{20}	15.7	*X*	268.75409	210.11562	26.41444	13.80861	0.2053290	0.22829617	2.6513698	20	—	—
181726 1995 MY_6	16.5	*X*	169.89515	122.18830	172.60959	8.32754	0.1137195	0.22033794	2.7148334	20	—	—
181727 1995 QB_{14}	15.5	*X*	188.86866	244.56740	192.19125	15.90844	0.2068962	0.18516968	3.0485230	20	6 15.6	20.9
181728 1995 ST_{10}	16.7	*X*	54.41853	287.71091	8.33242	6.53992	0.1270610	0.27873095	2.3210220	20	11 10.7	19.7
181729 1995 SP_{16}	15.1	*X*	170.04600	46.95250	353.19168	10.12039	0.0221149	0.18355559	3.0663682	20	4 8.8	19.6
181730 1995 SN_{49}	16.9	*X*	235.65716	151.48163	210.46852	0.94429	0.1113120	0.18694874	3.0291517	20	5 3.9	21.4
181731 1995 SD_{60}	16.4	*X*	155.26058	265.17806	203.27722	4.86448	0.2035586	0.18367772	3.0650088	20	6 26.1	21.6
181732 1995 SM_{67}	16.0	*X*	106.27560	81.43616	331.24711	2.49562	0.0590352	0.17780903	3.1320847	20	2 16.8	20.4
181733 1995 TL_4	17.3	*X*	47.73205	51.79720	210.08192	1.97748	0.0544796	0.27267086	2.3552856	20	9 3.5	20.1
181734 1995 UQ_6	16.7	*X*	334.11530	261.94939	115.47679	3.13107	0.1680526	0.27746226	2.3280918	20	11 6.6	18.6
181735 1995 UX_{16}	17.2	*X*	312.59897	207.82988	152.24194	2.81443	0.1969833	0.27188408	2.3598272	20	8 11.4	18.8
181736 1995 US_{21}	15.7	*X*	271.61442	294.17505	8.99618	2.34605	0.0617414	0.18230217	3.0804074	20	4 7.6	20.1
181737 1995 UQ_{43}	17.3	*X*	211.01132	220.17918	165.22175	2.57252	0.2150269	0.26293340	2.4130827	20	5 1.8	21.2
181738 1995 UD_{50}	16.6	*X*	252.49509	114.47479	350.51723	1.36584	0.0724579	0.19657050	2.9294797	20	10 7.5	20.7
181739 1995 UA_{78}	16.0	*X*	109.98694	107.86352	202.09750	8.71610	0.1130719	0.20648259	2.8349610	20	—	—
181740 1995 VX_8	16.0	*X*	242.18715	171.66121	218.35611	0.83566	0.0981113	0.18492746	3.0511844	20	6 16.6	20.5
181741 1995 VG_{15}	16.0	*X*	190.66916	0.84736	56.51303	2.72893	0.0501541	0.18192201	3.0846973	20	5 27.5	20.6
181742 1995 WL_{15}	16.2	*X*	212.07226	175.92846	224.03968	3.29455	0.1558720	0.18465577	3.0541764	20	5 24.1	21.0
181743 1995 XJ_4	16.7	*X*	155.28366	299.81600	156.38591	3.84127	0.1785316	0.18002501	3.1063293	20	6 11.0	21.8
181744 1995 YT_8	17.5	*X*	170.31247	355.85681	87.28930	2.12493	0.1863786	0.26182417	2.4198933	20	6 8.6	21.5
181745 1995 YY_{18}	16.6	*X*	17.53074	208.22760	112.08822	7.39754	0.0942966	0.26693198	2.3889239	20	10 21.9	19.4
181746 1996 AR_{10}	17.1	*X*	218.76266	234.30574	158.11615	2.29140	0.1873431	0.25941032	2.4348818	20	5 18.9	21.0
181747 1996 BV_{13}	15.0	*X*	10.48573	106.96845	97.08328	6.25622	0.1060496	0.16923250	3.2370311	20	4 20.8	19.1
181748 1996 DC_2	16.9	*X*	38.42797	307.10882	185.45234	29.67394	0.0619560	0.40714663	1.8028883	20	1 9.3	19.3
181749 1996 EX_8	15.4	*X*	242.10431	252.39131	141.14403	5.84357	0.1616691	0.17695333	3.1421740	20	6 14.2	20.3
181750 1996 FL_{14}	16.6	*X*	201.10207	118.32574	149.77233	4.17016	0.1543235	0.23388708	2.6089469	20	—	—
181751 Phaenops	12.8	*X*	19.06879	157.44330	45.70890	15.97210	0.0926852	0.08270379	5.2173796	20	5 4.0	19.2
181752 1996 JZ_6	17.1	*X*	323.55113	146.98039	97.26355	3.09323	0.1401741	0.24346710	2.5400515	20	3 16.7	20.0
181753 1996 RM_{19}	15.8	*X*	221.66153	146.73392	159.09518	14.90623	0.1394794	0.22986214	2.6393141	20	2 6.1	20.1
181754 1996 RW_{25}	16.2	*X*	72.12346	171.33637	179.50375	8.59629	0.2639182	0.21577559	2.7529681	20	—	—
181755 1996 TV_{17}	16.3	*X*	145.08478	316.38160	21.75989	5.45193	0.1678194	0.22051025	2.7134190	20	1 9.7	20.5
181756 1996 TO_{27}	15.9	*X*	27.30325	229.81137	128.56541	4.56660	0.1042195	0.20960041	2.8067774	20	12 9.9	19.5
181757 1996 TL_{30}	16.4	*X*	115.62193	290.70662	48.20813	2.47456	0.0604273	0.21575441	2.7531483	20	—	—
181758 1996 TQ_{32}	16.2	*X*	144.38904	81.05743	228.57642	7.99694	0.0444389	0.21958331	2.7210499	20	—	—
181759 1996 TX_{50}	17.2	*X*	199.09512	347.68347	315.08879	3.61950	0.2112936	0.30962134	2.1639578	20	1 6.8	20.6
181760 1996 TJ_{67}	15.9	*X*	245.68801	102.96369	39.36400	2.66101	0.0112525	0.20748513	2.8258215	20	11 25.7	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
181761 1996 VR_2	15.4	X	112.62376	287.36775	46.82771	10.11033	0.1715766	0.21566171	2.7539372	20	—	—
181762 1996 VX_{17}	17.7	X	82.32271	124.82330	178.67778	1.46945	0.0159716	0.29051871	2.2578061	20	12 16.9	20.5
181763 1996 VR_{25}	17.1	X	121.96277	220.24929	184.49586	0.82470	0.1764445	0.26501249	2.4004453	20	3 2.2	20.1
181764 1996 VH_{26}	15.8	X	354.70159	203.88227	96.99095	11.04942	0.0811281	0.19630890	2.9320816	20	8 2.7	19.4
181765 1996 XL_7	16.4	X	198.61821	282.86003	140.88806	3.34449	0.0586427	0.19068611	2.9894412	20	6 13.8	20.8
181766 1997 AW_{14}	17.2	X	197.39409	42.27399	115.91026	3.88397	0.1697185	0.28020620	2.3128682	20	10 14.3	20.6
181767 1997 CG_7	15.5	X	269.45473	47.79486	310.85400	10.33158	0.0750239	0.18647508	3.0342790	20	6 12.7	19.8
181768 1997 CQ_{15}	16.3	X	129.86531	329.10868	150.78831	1.18468	0.1597071	0.18126683	3.0921258	20	6 15.3	21.2
181769 1997 CR_{25}	16.3	X	132.44896	38.13380	25.10693	3.30281	0.1023597	0.17746180	3.1361691	20	4 4.8	20.9
181770 1997 EF_{57}	17.2	X	114.89161	214.89430	19.76921	4.47066	0.2302604	0.27217271	2.3581585	20	11 1.4	21.1
181771 1997 GG_3	16.2	X	186.95181	303.20337	18.78059	3.48763	0.3627522	0.33030760	2.0726390	20	1 25.9	19.9
181772 1997 LS_2	16.4	X	184.19331	172.27632	163.26189	13.81041	0.1852928	0.23868478	2.5738677	20	2 7.9	20.8
181773 1997 LH_5	13.2	X	285.39280	192.96236	119.16791	12.18156	0.0717947	0.08444715	5.1453240	20	5 11.9	20.1
181774 1997 LK_{10}	14.5	X	82.43491	132.41456	65.68554	18.97345	0.1145536	0.17782892	3.1318512	20	7 29.9	19.3
181775 1997 TW_1	16.4	X	244.99346	299.24686	7.05312	12.03569	0.3162942	0.24232287	2.5480412	20	2 22.2	21.0
181776 1997 TM_6	16.6	X	50.91563	343.80934	107.51518	3.61015	0.0338006	0.23241151	2.6199779	20	1 12.1	19.6
181777 1997 TN_9	16.6	X	349.93768	205.67019	218.00621	4.05506	0.1021351	0.22004625	2.7172321	20	—	—
181778 1997 UN_5	14.4	X	241.96243	94.41589	33.00082	9.95637	0.1846682	0.12561688	3.9485476	20	9 30.8	20.3
181779 1997 US_{18}	15.8	X	119.97005	156.30097	215.57637	11.35800	0.2044451	0.23017372	2.6369317	20	1 23.1	19.8
181780 1997 WH_6	17.6	X	233.88007	293.68451	186.12990	2.09319	0.1654762	0.29679472	2.2258639	20	10 6.2	20.3
181781 1997 YG_4	15.8	X	287.74240	11.77039	94.18196	10.69342	0.1392161	0.21089919	2.7952422	20	11 24.3	19.1
181782 1998 AO_{11}	16.5	X	0.93815	169.43987	103.48846	4.01429	0.2381293	0.28287618	2.2982916	20	7 21.1	17.4
181783 1998 BV_{14}	16.5	X	250.11189	179.35202	86.98888	4.95489	0.2106586	0.30843405	2.1695076	20	1 4.1	19.8
181784 1998 BO_{20}	17.1	X	69.82785	115.57161	300.30790	4.09458	0.1358314	0.31101001	2.1575116	20	—	—
181785 1998 BK_{29}	15.8	X	169.57074	232.43925	313.39367	12.70653	0.1606978	0.20264052	2.8706827	20	10 4.6	20.8
181786 1998 BY_{38}	17.1	X	306.29231	111.03331	309.45061	1.89617	0.0945375	0.29597511	2.2299712	20	11 18.7	19.0
181787 1998 DF_{17}	16.0	X	211.72644	25.90555	210.62372	5.60236	0.0146198	0.21495597	2.7599616	20	—	—
181788 1998 DZ_{17}	17.5	X	283.99744	255.68910	146.08549	6.11807	0.1287478	0.28586031	2.2822689	20	9 3.8	19.7
181789 1998 DD_{23}	16.1	X	194.64892	249.58450	326.74034	2.78737	0.0379996	0.20964615	2.8063691	20	12 22.1	20.0
181790 1998 DD_{26}	15.9	X	37.02466	216.55681	110.83961	3.21038	0.0682094	0.20259481	2.8711145	20	11 7.7	19.7
181791 1998 EX_9	17.0	X	247.92520	46.28859	176.55367	4.51058	0.1217433	0.30157180	2.2022953	20	—	—
181792 1998 FD_{39}	16.3	X	194.57535	355.86358	185.58866	6.27233	0.2325315	0.20292865	2.8679647	20	10 24.7	21.1
181793 1998 HZ_4	17.0	X	240.08474	230.86936	7.71042	5.66782	0.0978136	0.30353332	2.1927972	20	—	—
181794 1998 HF_5	16.0	X	29.45644	286.09210	227.28475	4.60825	0.1276788	0.17759035	3.1346555	20	3 12.1	19.7
181795 1998 HU_{67}	16.9	X	55.03150	232.86373	338.21034	2.62166	0.1877923	0.27444885	2.3451022	20	7 26.2	19.5
181796 1998 HN_{122}	16.7	X	146.03505	141.10767	101.20000	8.23723	0.2116081	0.28763941	2.2728484	20	12 9.0	20.3
181797 1998 MR_2	15.7	X	23.88471	240.71119	106.44368	27.94822	0.4614847	0.23309451	2.6148574	20	—	—
181798 1998 MJ_{40}	15.6	X	110.82951	189.45453	132.20903	5.52188	0.2114448	0.24106313	2.5569105	20	—	—
181799 1998 OD_4	16.7	X	10.26838	76.93630	250.03442	2.14125	0.1867886	0.27342239	2.3509677	20	10 31.4	18.9
181800 1998 QZ_4	15.0	X	51.88563	82.91012	197.59107	9.10399	0.2800540	0.18389264	3.0626202	20	10 25.4	19.4
181801 1998 QD_{22}	16.9	X	289.94623	351.90671	9.59658	2.02536	0.2328425	0.26529838	2.3987205	20	6 22.0	19.4
181802 1998 QZ_{27}	15.1	X	33.26886	117.89773	170.99965	9.01282	0.1965256	0.17997324	3.1069249	20	9 28.5	18.9
181803 1998 QY_{73}	14.3	X	335.76689	100.03332	222.44871	12.94507	0.2429478	0.17610626	3.1522417	20	7 15.1	17.7
181804 1998 QO_{81}	14.9	X	342.71791	133.27645	174.48218	16.63124	0.2333384	0.17712548	3.1401377	20	7 12.7	18.3
181805 1998 QN_{88}	14.8	X	49.83344	79.34358	203.56490	13.71830	0.2109419	0.18239427	3.0793703	20	10 15.1	19.1
181806 1998 QT_{95}	16.5	X	64.45575	73.04845	224.84234	8.19550	0.1931518	0.27618781	2.3352482	20	12 3.9	19.9
181807 1998 QA_{97}	14.8	X	354.15725	21.05076	277.61108	8.69528	0.1966025	0.17671026	3.1450547	20	7 26.6	18.1
181808 1998 QY_{106}	16.7	X	59.67278	272.42952	68.22972	4.10250	0.1854228	0.27902813	2.3193737	20	—	—
181809 1998 RN_4	16.4	X	52.80385	312.75076	349.40110	13.48523	0.2543035	0.27445570	2.3450632	20	11 30.6	20.2
181810 1998 RP_{14}	17.4	X	35.20206	332.71027	357.70288	1.64729	0.2222581	0.27568424	2.3380910	20	12 17.2	20.3
181811 1998 RV_{14}	17.3	X	54.15299	64.11711	9.29866	3.34681	0.1901711	0.23998611	2.5645548	20	1 1.7	19.7
181812 1998 RH_{24}	17.1	X	13.56749	251.73628	90.91541	3.67530	0.2289231	0.27404894	2.3473831	20	12 6.3	19.7
181813 1998 RC_{33}	16.6	X	313.16359	196.09001	157.44651	6.95411	0.1363621	0.26675197	2.3899985	20	8 8.2	19.0
181814 1998 RS_{41}	16.2	X	355.96839	0.53885	337.33320	6.02652	0.1292633	0.27048283	2.3679703	20	10 9.8	18.5
181815 1998 RX_{43}	16.4	X	220.08882	4.04619	349.12420	8.36014	0.2504746	0.25499419	2.4629137	20	3 26.9	20.7
181816 1998 RD_{55}	16.5	X	343.41097	314.58008	359.09282	7.18607	0.1312364	0.26610664	2.3938609	20	8 11.5	18.6
181817 1998 RL_{58}	15.8	X	5.03662	338.72584	2.07440	1.96934	0.1578850	0.22617180	2.6679462	20	10 25.1	18.7
181818 1998 RX_{58}	16.6	X	282.26983	26.93744	322.95868	1.68746	0.2495072	0.26218932	2.4176460	20	5 21.8	19.6
181819 1998 RM_{66}	16.2	X	5.89953	102.50633	205.73236	5.99603	0.2229864	0.26864011	2.3787866	20	9 28.5	18.0
181820 1998 SM_2	16.7	X	247.98089	66.12979	27.02401	20.44339	0.1235266	0.35598735	1.9717250	20	10 10.3	18.3
181821 1998 SV_7	16.8	X	5.91489	254.60259	0.43474	5.19197	0.0844952	0.26171496	2.4205665	20	6 18.9	19.5
181822 1998 SQ_9	16.3	X	337.04623	264.55618	53.19576	4.95912	0.1764471	0.26503452	2.4003123	20	8 2.1	18.1
181823 1998 SK_{12}	16.4	X	3.86935	186.04305	182.95008	8.35201	0.2564644	0.27393988	2.3480060	20	12 31.9	19.1
181824 Königsleiten	16.9	X	287.25284	155.48499	226.99622	1.73315	0.1970296	0.26496582	2.4007272	20	7 25.2	19.4
181825 1998 SR_{39}	14.9	X	28.91040	87.42429	190.75694	13.34785	0.3434893	0.17896935	3.1185325	20	9 30.1	18.4
181826 1998 SP_{49}	16.8	X	84.22257	123.73690	188.53795	4.98068	0.3372496	0.27942434	2.3171806	20	—	—
181827 1998 SS_{50}	16.7	X	312.00384	319.26212	2.14137	2.61457	0.2281681	0.26194957	2.4191210	20	5 30.9	19.2
181828 1998 SU_{58}	16.6	X	10.96737	159.98687	177.47859	7.58951	0.2270943	0.27203127	2.3589758	20	11 25.6	19.2
181829 1998 SY_{62}	16.6	X	243.06198	216.68756	194.24975	6.38206	0.1216359	0.26176387	2.4202650	20	7 13.9	20.0
181830 1998 SG_{80}	15.7	X	341.75215	298.32993	348.20218	13.05314	0.1732598	0.26309334	2.4121046	20	6 18.3	18.1
181831 1998 SE_{84}	15.3	X	331.04889	138.10671	165.80528	4.86312	0.2402541	0.17347823	3.1839976	20	6 11.3	18.6
181832 1998 SZ_{87}	16.5	X	254.55788	23.40181	347.41474	4.67828	0.2216155	0.25997445	2.4313582	20	5 20.9	20.3
181833 1998 SW_{112}	16.6	X	288.12987	297.83883	36.00783	7.71569	0.2348470	0.26134038	2.4228789	20	5 9.1	19.8
181834 1998 SW_{116}	16.2	X	243.30742	40.05805	327.48935	5.92902	0.1199844	0.25735609	2.4478215	20	5 14.9	19.8
181835 1998 SU_{125}	16.3	X	338.03626	270.78827	50.19295	5.60083	0.2018608	0.26567292	2.3964655	20	8 10.8	18.0
181836 1998 SS_{149}	14.8	X	313.93237	141.05733	193.19505	13.94158	0.1096751	0.17292640	3.1907676	20	7 5.9	19.2
181837 1998 SF_{160}	14.4	X	324.77934	263.33792	61.99333	7.47148	0.1552562	0.17255641	3.1953271	20	7 9.2	18.3
181838 1998 SQ_{165}	14.9	X	309.59326	119.18881	206.14773	5.49926	0.0776112	0.17136833	3.2100786	20	6 23.1	19.2
181839 1998 TM_3	16.0	X	47.56310	274.71679	37.53868	13.01689	0.2887959	0.27428690	2.3460252	20	12 13.1	19.7
181840 1998 TS_{12}	16.7	X	8.19271	307.26409	33.22331	4.22991	0.1605031	0.26945028	2.3740159	20	11 11.1	19.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
181841 1998 TD_{14}	16.6	X	46.44499	233.13850	9.28993	2.86495	0.1425845	0.26381497	2.4077040	20	8 19.8	19.2
181842 1998 TF_{16}	16.4	X	50.17186	292.33333	2.92000	2.53642	0.1854690	0.27024877	2.3693374	20	11 12.0	19.5
181843 1998 TK_{20}	16.4	X	266.05122	184.23289	214.43204	2.22581	0.2016187	0.21631858	2.7483592	20	7 12.9	20.2
181844 1998 TG_{29}	16.4	X	59.92496	214.29246	24.86100	7.35201	0.0845200	0.26196142	2.4190480	20	8 27.6	19.5
181845 1998 TS_{31}	16.3	X	218.32844	229.47524	170.93924	6.88974	0.1775835	0.25668589	2.4520805	20	5 30.1	20.3
181846 1998 UG_{2}	16.7	X	240.77612	351.72033	359.54117	2.94152	0.2734237	0.25596766	2.4566652	20	4 9.6	21.0
181847 1998 UG_{10}	14.4	X	111.56935	201.96928	221.21808	15.13175	0.0966724	0.15358255	3.4533569	20	3 9.3	19.7
181848 1998 UT_{14}	16.5	X	347.77445	141.79697	199.44726	5.09596	0.1412433	0.26672972	2.3901314	20	10 1.4	18.5
181849 1998 UM_{17}	16.2	X	296.63966	316.54673	38.24942	7.47670	0.1337035	0.26145388	2.4221776	20	7 12.1	18.9
181850 1998 UA_{47}	16.4	X	26.05539	30.78267	233.65865	5.59462	0.1014967	0.26133926	2.4228858	20	8 7.9	19.2
181851 1998 UX_{48}	16.2	X	267.22062	321.05746	46.00708	7.03656	0.1655059	0.26071118	2.4267756	20	6 7.8	19.5
181852 1998 VF_{27}	16.5	X	331.42497	276.88904	78.58240	3.59591	0.1877524	0.26640829	2.3920535	20	9 22.9	18.2
181853 1998 WT_{11}	16.7	X	72.76884	237.48038	207.35668	5.36169	0.2492044	0.24027268	2.5625152	20	3 1.3	19.5
181854 1998 WT_{12}	16.9	X	67.48933	46.34680	28.94271	6.30295	0.2708838	0.23886779	2.5725530	20	2 16.2	19.4
181855 1998 WT_{31}	7.3	X	358.39040	40.88517	41.61473	28.70182	0.1782058	0.00318606	45.7404267	20	12 7.3	23.1
181856 1998 XV_{3}	15.7	X	134.25334	118.36746	277.83904	3.30136	0.2680547	0.24355099	2.5394682	20	3 14.1	19.8
181857 1998 XH_{6}	17.0	X	114.11395	238.99895	153.55759	1.76832	0.1056300	0.24074673	2.5591502	20	1 29.9	20.4
181858 1998 XE_{7}	16.8	X	24.87840	223.66760	97.93335	2.34081	0.1965756	0.26848143	2.3797237	20	11 17.4	19.4
181859 1998 XM_{10}	15.5	X	199.02345	311.48015	88.16917	7.91955	0.2088071	0.25242409	2.4796032	20	5 11.2	19.6
181860 1998 XU_{20}	15.7	X	166.28023	287.29945	114.74098	3.45512	0.2335501	0.24558250	2.5254442	20	4 17.5	20.0
181861 1998 XS_{33}	14.9	X	221.86869	315.55343	13.84581	2.65110	0.1749646	0.24668553	2.5179104	20	3 4.9	18.9
181862 1998 XF_{46}	15.4	X	160.83091	30.23824	359.61569	4.35034	0.1914435	0.24481533	2.5307174	20	3 25.2	19.4
181863 1998 XB_{100}	15.2	X	127.46515	64.26911	339.63210	13.22013	0.2975003	0.24328495	2.5413192	20	3 18.9	19.4
181864 1999 AQ_{9}	16.1	X	74.69909	196.66572	220.98347	3.27500	0.1800097	0.23479270	2.6022338	20	1 17.7	18.9
181865 1999 BP_{32}	16.4	X	293.16791	187.83990	113.61098	11.09143	0.2261017	0.24472776	2.5313210	20	4 10.4	20.0
181866 1999 CU_{12}	15.9	X	321.48671	164.90928	310.42370	10.55423	0.2405333	0.22375296	2.6871394	20	—	—
181867 1999 CV_{118}	7.4	X	36.67691	147.24413	305.74448	5.49847	0.2854812	0.00259512	52.4442962	20	2 23.8	23.7
181868 1999 CG_{119}	7.6	X	334.38835	256.81981	304.36319	16.72337	0.2904072	0.00284347	49.3443001	20	2 19.7	23.4
181869 1999 CA_{129}	15.6	X	24.07740	71.46601	57.99972	12.41446	0.1498972	0.23158408	2.6262148	20	1 25.3	18.5
181870 1999 CJ_{145}	15.9	X	35.91599	115.37359	320.72738	9.96764	0.0817270	0.22875646	2.6478119	20	—	—
181871 1999 CO_{153}	7.4	X	67.48935	156.33770	278.60748	0.81089	0.0817808	0.00344077	43.4542929	20	2 20.3	23.7
181872 1999 FL_{90}	15.9	X	177.46767	77.27586	176.50035	13.41909	0.1392629	0.21597025	2.7513136	20	—	—
181873 1999 GY_{12}	16.1	X	245.93346	324.64616	213.41048	11.72758	0.1022158	0.21548136	2.7554735	20	12 28.8	19.9
181874 1999 HW_{11}	7.0	X	44.35214	325.37333	198.42938	17.20168	0.2567476	0.00255766	52.9551047	20	5 15.7	23.6
181875 1999 JC_{131}	16.4	X	89.05303	116.65731	68.09199	5.72842	0.0749589	0.28675690	2.2775092	20	7 19.3	19.3
181876 1999 JC_{135}	16.0	X	231.67295	62.35889	150.80454	9.65434	0.1435413	0.21621511	2.7492360	20	—	—
181877 1999 LZ_{33}	17.1	X	178.65625	188.60345	129.62010	3.44342	0.2189669	0.31101554	2.1574860	20	1 8.1	20.4
181878 1999 OT	15.5	X	270.56023	206.10869	148.64093	13.32557	0.1541168	0.18086771	3.0966731	20	5 31.5	20.2
181879 1999 PE_{2}	16.9	X	93.02554	232.04311	142.72929	4.56513	0.1833736	0.30093139	2.2054187	20	—	—
181880 1999 PE_{7}	17.1	X	174.21701	211.18569	307.56732	1.83508	0.0945702	0.28715648	2.2753959	20	9 23.9	20.2
181881 1999 PB_{9}	17.1	X	245.87658	200.34958	153.95970	4.53829	0.2373450	0.27172292	2.3607602	20	4 22.1	20.8
181882 1999 RF_{14}	14.5	X	281.90176	91.33709	344.99800	20.82600	0.2817948	0.28317821	2.2966571	20	9 20.0	16.5
181883 1999 RO_{21}	16.7	X	292.03139	28.06205	355.75516	25.03034	0.2212456	0.27893048	2.3199150	20	8 16.7	19.4
181884 1999 RS_{28}	15.4	X	248.19190	191.89481	193.05765	17.44746	0.2163912	0.17765528	3.1338916	20	6 4.4	20.6
181885 1999 RK_{32}	17.0	X	21.62084	190.42828	171.98305	5.46927	0.2316784	0.28890141	2.2662245	20	—	—
181886 1999 RP_{32}	16.9	X	143.28102	333.08914	354.04106	2.21778	0.1983006	0.30212160	2.1996227	20	—	—
181887 1999 RB_{55}	16.8	X	4.64853	179.94845	191.38640	5.97797	0.1913329	0.28908088	2.2652865	20	12 30.5	19.3
181888 1999 RQ_{73}	17.3	X	28.01815	166.86145	187.22291	3.84468	0.2261112	0.28962540	2.2624463	20	—	—
181889 1999 RQ_{92}	16.2	X	101.78844	330.66779	1.51026	7.50721	0.2290269	0.29688806	2.2253973	20	—	—
181890 1999 RP_{96}	17.1	X	12.26962	350.15282	21.64900	1.08045	0.1969595	0.28812157	2.2703120	20	—	—
181891 1999 RD_{106}	16.5	X	112.47630	142.83001	219.89256	5.04717	0.1464526	0.30143375	2.2029677	20	—	—
181892 1999 RY_{145}	16.9	X	88.27948	152.36070	186.90197	6.17623	0.2128965	0.29681753	2.2257499	20	—	—
181893 1999 RC_{148}	17.2	X	286.15364	164.93763	216.26640	2.86579	0.2440617	0.27859055	2.3218017	20	7 13.7	19.6
181894 1999 RN_{153}	16.5	X	26.66938	166.93119	208.35861	6.65373	0.1506484	0.29187185	2.2508225	20	—	—
181895 1999 RM_{155}	16.9	X	150.65762	57.71636	262.89180	3.00508	0.1737396	0.30290138	2.1958460	20	—	—
181896 1999 RN_{161}	16.4	X	149.01771	170.40703	178.16939	4.86688	0.1179910	0.30580644	2.1819173	20	1 6.2	19.1
181897 1999 RK_{164}	16.7	X	148.78149	145.36773	189.48269	4.47173	0.1270811	0.30375324	2.1917386	20	—	—
181898 1999 RS_{168}	16.8	X	23.85381	184.32939	170.08627	6.42122	0.2663483	0.28903621	2.2655199	20	—	—
181899 1999 RM_{178}	16.6	X	47.29645	196.14092	153.00702	6.64933	0.1706767	0.29158321	2.2523076	20	—	—
181900 1999 RX_{212}	15.0	X	341.53413	149.17280	211.26056	12.83043	0.1301900	0.18832864	3.0143370	20	9 26.6	18.7
181901 1999 RP_{214}	17.0	X	85.03149	178.32330	143.90815	6.30078	0.2043715	0.29543581	2.2326842	20	—	—
181902 1999 RD_{215}	7.4	X	8.27746	137.92061	210.29739	25.94036	0.6957120	0.00072005	123.2810300	20	11 7.5	24.0
181903 1999 RE_{237}	16.2	X	262.58061	290.42876	139.28779	10.09037	0.1268990	0.28000108	2.3139976	20	9 11.1	18.8
181904 1999 RN_{254}	16.5	X	147.28954	302.23645	32.79617	4.11384	0.1678074	0.30444391	2.1884226	20	—	—
181905 1999 SR_{1}	16.9	X	150.66258	264.21385	43.85694	7.60756	0.1909998	0.29969823	2.2114643	20	—	—
181906 1999 SC_{4}	14.6	X	324.03938	318.51102	5.37338	9.34805	0.2285198	0.18193740	3.0845234	20	6 27.3	18.1
181907 1999 SC_{14}	16.7	X	122.19436	5.12772	306.11021	2.58031	0.1895153	0.29720827	2.2237986	20	—	—
181908 1999 SG_{19}	17.0	X	211.76146	84.92718	342.68926	6.43252	0.2147025	0.27239630	2.3568680	20	6 25.4	20.9
181909 1999 TX_{15}	15.8	X	215.86656	355.62467	15.79216	1.43924	0.0943667	0.17107941	3.2136918	20	4 26.3	20.7
181910 1999 TR_{34}	16.2	X	189.98253	55.60074	23.69918	21.08824	0.2077240	0.26966225	2.3727717	20	6 18.5	20.6
181911 1999 TQ_{39}	14.8	X	276.33943	291.84893	87.49474	11.31316	0.1775685	0.17800256	3.1298142	20	7 2.8	19.1
181912 1999 TP_{41}	17.2	X	87.89684	271.82087	216.38018	1.88508	0.1220953	0.26104746	2.4246910	20	5 3.2	20.0
181913 1999 TS_{44}	17.1	X	266.68661	222.82842	232.73418	3.87427	0.0874264	0.28271589	2.2991602	20	10 29.8	19.4
181914 1999 TZ_{46}	17.2	X	327.67261	7.49729	25.73937	3.44601	0.1674022	0.28417020	2.2913092	20	11 17.8	18.7
181915 1999 TY_{51}	15.1	X	38.70605	54.62751	220.10204	8.39912	0.0547308	0.18236182	3.0797357	20	8 24.7	19.4
181916 1999 TH_{53}	15.6	X	7.01552	330.98281	333.11390	3.15685	0.1834165	0.18407408	3.0606074	20	9 1.2	18.8
181917 1999 TP_{71}	16.2	X	0.95544	225.32790	25.72781	0.91040	0.1283471	0.17467445	3.1694443	20	6 3.4	19.8
181918 1999 TL_{74}	17.3	X	225.23923	287.96471	191.98257	3.41560	0.0913395	0.28279851	2.2987124	20	10 3.6	20.1
181919 1999 TZ_{76}	16.8	X	175.01343	291.94464	224.88539	4.39449	0.0995811	0.27716491	2.3297566	20	9 19.8	20.1
181920 1999 TN_{79}	15.9	X	318.35990	258.02250	55.86048	2.09569	0.0973607	0.17861065	3.1227064	20	6 19.1	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
181921 1999 TQ_{79}	15.8	X	51.58295	189.00969	30.22283	5.53279	0.0872297	0.17785186	3.1315819	20	7 9.6	20.1
181922 1999 TQ_{80}	17.4	X	224.13382	324.89247	114.53675	1.56049	0.1925748	0.27416422	2.3467250	20	7 24.7	20.8
181923 1999 TD_{105}	16.9	X	180.60670	140.51317	253.89748	3.45149	0.1994795	0.26419809	2.4053758	20	4 15.5	20.9
181924 1999 TW_{115}	16.1	X	122.46168	341.38535	358.02594	8.47873	0.2757635	0.25222525	2.4809062	20	—	—
181925 1999 TW_{117}	15.2	X	339.94076	88.74473	235.43898	7.40526	0.0388270	0.18186427	3.0853501	20	8 5.6	19.5
181926 1999 TT_{130}	17.0	X	227.35147	334.60354	278.18981	1.12798	0.1609955	0.30356006	2.1926684	20	—	—
181927 1999 TM_{133}	15.8	X	303.65467	91.88256	279.39565	1.47733	0.1020307	0.18253519	3.0777853	20	8 11.6	19.6
181928 1999 TE_{134}	16.7	X	90.90377	299.67092	1.45995	6.40180	0.1849137	0.29120875	2.2542380	20	—	—
181929 1999 TR_{134}	15.3	X	2.27774	103.62433	201.53319	11.23961	0.1283176	0.18333716	3.0688032	20	8 16.6	19.2
181930 1999 TD_{136}	14.4	X	334.76741	262.04447	17.11024	26.11828	0.1924807	0.17733502	3.1376636	20	5 9.4	18.4
181931 1999 TJ_{138}	15.2	X	268.87926	167.45351	210.18798	8.02124	0.0892349	0.17761888	3.1343197	20	7 3.1	19.7
181932 1999 TY_{138}	16.9	X	158.52936	290.20836	16.32998	5.30675	0.1829437	0.29993897	2.2102808	20	—	—
181933 1999 TD_{142}	16.8	X	31.11461	149.70758	194.25592	4.71473	0.1658733	0.28779357	2.2720366	20	12 25.0	19.7
181934 1999 TM_{144}	17.0	X	30.31155	172.79130	195.01358	2.83365	0.1760670	0.29041879	2.2583240	20	—	—
181935 1999 TS_{155}	16.7	X	124.89464	180.23413	187.90640	6.41646	0.2256342	0.30150369	2.2026270	20	1 18.1	19.5
181936 1999 TC_{158}	16.9	X	13.79846	357.58082	316.79237	2.66580	0.1723077	0.28254568	2.3000835	20	10 17.7	19.3
181937 1999 TX_{159}	15.6	X	4.30035	98.23850	200.47728	10.04083	0.1321957	0.18473743	3.0532764	20	8 12.1	19.3
181938 1999 TB_{161}	15.1	X	239.65988	161.44883	209.34628	8.78901	0.0994203	0.17464423	3.1698100	20	5 21.3	19.8
181939 1999 TQ_{163}	15.5	X	273.22303	292.22124	71.93803	5.29676	0.1850500	0.17710815	3.1403425	20	6 8.4	20.1
181940 1999 TJ_{169}	14.4	X	235.86647	93.51002	280.84839	2.36208	0.1879755	0.12626592	3.9350049	20	5 13.1	20.5
181941 1999 TT_{173}	15.1	X	299.77514	282.45198	68.16787	5.86814	0.1641051	0.17803818	3.1293967	20	6 30.3	19.0
181942 1999 TZ_{176}	16.4	X	94.42765	165.08493	205.82275	5.27361	0.1576766	0.29720543	2.2238128	20	—	—
181943 1999 TT_{179}	15.3	X	12.70821	83.98983	215.36659	11.36517	0.0774735	0.18326490	3.0696099	20	8 21.2	19.4
181944 1999 TN_{180}	16.5	X	227.04699	216.84715	130.36609	2.96353	0.2324458	0.26506539	2.4001260	20	3 28.3	20.5
181945 1999 TC_{202}	17.0	X	129.49519	162.71936	167.14649	5.77729	0.1688700	0.29820809	2.2188253	20	—	—
181946 1999 TM_{203}	16.6	X	192.21802	188.61621	235.16556	4.47376	0.1132052	0.26969903	2.3725559	20	6 5.4	20.0
181947 1999 TG_{215}	14.8	X	314.34346	137.83221	196.82455	12.55418	0.0901192	0.17884813	3.1199414	20	7 9.5	19.1
181948 1999 TP_{216}	16.9	X	134.70317	85.53477	335.37496	4.91243	0.1340081	0.26049058	2.4281455	20	3 31.3	20.5
181949 1999 TF_{219}	16.9	X	311.38289	5.37937	40.50453	4.82492	0.2119265	0.28280819	2.2986599	20	10 30.7	18.0
181950 1999 TB_{226}	15.7	X	260.64499	91.24011	232.78567	2.30830	0.0841275	0.16966855	3.2314826	20	4 17.9	20.4
181951 1999 TA_{228}	16.9	X	171.07662	98.04453	197.18978	1.04031	0.1283118	0.29814174	2.2191544	20	—	—
181952 1999 TL_{231}	16.4	X	103.86048	149.47467	158.55713	10.10619	0.2092908	0.29441361	2.2378491	20	—	—
181953 1999 TH_{245}	15.3	X	306.54423	298.16716	17.61412	5.42290	0.1371865	0.17805730	3.1291727	20	5 28.1	19.4
181954 1999 TT_{263}	17.1	X	146.82866	23.91346	207.31441	2.77854	0.1273193	0.28618568	2.2805387	20	11 28.2	20.3
181955 1999 TE_{272}	16.8	X	328.29774	116.25069	276.39107	3.57485	0.1297680	0.28365096	2.2941045	20	11 15.1	18.9
181956 1999 TV_{287}	17.5	X	315.60282	214.79231	185.45468	2.17695	0.1796722	0.28200276	2.3030347	20	11 1.8	19.0
181957 1999 TA_{289}	17.2	X	18.40867	219.90610	153.03783	3.27760	0.1859999	0.28741496	2.2740315	20	—	—
181958 1999 UL_{7}	15.1	X	187.96052	92.94196	324.45882	20.40524	0.3423522	0.26373436	2.4081945	20	5 14.9	20.1
181959 1999 UG_{21}	17.3	X	311.95064	276.13439	157.13869	2.92325	0.1371523	0.28594830	2.2818007	20	12 17.5	19.1
181960 1999 UM_{24}	13.9	X	143.09453	209.48393	226.35364	21.28298	0.0395996	0.16829522	3.2490386	20	4 25.3	18.7
181961 1999 UA_{31}	17.7	X	159.24297	257.90282	47.93841	4.30483	0.2117940	0.30093793	2.2053868	20	—	—
181962 1999 UU_{35}	16.9	X	51.08741	320.81118	359.58775	6.25890	0.0702353	0.28856446	2.2679883	20	12 4.2	19.8
181963 1999 UO_{37}	15.4	X	332.17137	148.21902	185.98558	6.50781	0.2797539	0.18392394	3.0622728	20	7 23.1	18.2
181964 1999 UE_{40}	14.7	X	27.59023	52.64565	210.92986	15.92408	0.0495540	0.17920536	3.1157939	20	7 23.6	19.2
181965 1999 UN_{41}	16.6	X	294.94870	235.60287	225.13888	5.87347	0.0538634	0.28730850	2.2745932	20	12 26.7	19.1
181966 1999 UA_{42}	16.6	X	107.08336	7.13814	327.65986	4.57033	0.2147475	0.29705935	2.2245418	20	—	—
181967 1999 UW_{47}	17.0	X	50.55030	11.99224	341.76479	4.35277	0.1865989	0.29069863	2.2568744	20	—	—
181968 1999 UW_{58}	14.8	X	335.88370	326.97793	7.11145	17.53718	0.2102689	0.18168530	3.0873760	20	8 17.5	18.2
181969 1999 VU_{14}	17.4	X	62.95868	95.99709	261.86639	2.34647	0.1538958	0.29425116	2.2386726	20	—	—
181970 1999 VF_{17}	17.2	X	188.98753	51.66498	233.54815	4.89108	0.1753954	0.30068372	2.2066296	20	—	—
181971 1999 VM_{17}	17.2	X	309.75810	64.14817	313.23430	1.30475	0.2234881	0.27916222	2.3186309	20	9 1.4	18.5
181972 1999 VD_{21}	16.9	X	235.55376	295.65171	176.40526	1.88231	0.1567889	0.27776459	2.3264022	20	9 25.7	19.9
181973 1999 VS_{26}	15.4	X	115.87480	329.63579	51.56479	3.07475	0.1269396	0.25143517	2.4861006	20	1 19.9	18.6
181974 1999 VJ_{30}	16.6	X	95.20724	289.90380	53.43161	5.47763	0.1781353	0.29319414	2.2440500	20	—	—
181975 1999 VK_{35}	16.6	X	144.38632	293.50403	77.94028	3.67568	0.1881570	0.25461151	2.4653809	20	2 16.9	20.3
181976 1999 VK_{45}	16.6	X	270.57027	82.98808	317.34504	2.11569	0.1647329	0.27578468	2.3375234	20	8 1.5	19.1
181977 1999 VJ_{64}	15.5	X	3.37453	289.54212	57.75550	5.99026	0.1821166	0.18622775	3.0369650	20	10 25.7	18.9
181978 1999 VV_{66}	14.9	X	337.15812	280.34212	53.97758	10.63961	0.0951776	0.17972003	3.1098425	20	8 21.5	18.9
181979 1999 VZ_{66}	16.6	X	70.45549	318.62875	58.36202	5.59143	0.1427922	0.29381955	2.2408645	20	—	—
181980 1999 VZ_{69}	17.4	X	249.60946	147.39700	235.31008	1.62158	0.2016910	0.27084634	2.3658511	20	6 4.2	20.7
181981 1999 VC_{71}	15.7	X	342.93689	265.91861	93.21545	2.32707	0.2549111	0.18446199	3.0563151	20	10 3.9	18.3
181982 1999 VO_{74}	15.4	X	346.95999	199.85030	34.32327	5.30500	0.0747410	0.17150600	3.2083606	20	4 21.2	19.3
181983 1999 VO_{80}	15.5	X	61.01218	318.64987	80.94897	4.77358	0.0377990	0.24667056	2.5180122	20	—	—
181984 1999 VF_{82}	16.4	X	131.75996	299.07177	34.09781	7.41018	0.2451408	0.30010972	2.2094424	20	—	—
181985 1999 VW_{95}	17.0	X	30.29480	322.46170	37.78514	5.44814	0.1414735	0.28816848	2.2700656	20	—	—
181986 1999 VR_{104}	15.7	X	332.34052	273.35412	55.27473	2.14723	0.1653324	0.17975589	3.1094289	20	7 27.7	19.2
181987 1999 VQ_{108}	17.2	X	175.59122	60.23498	70.21599	3.92908	0.1203984	0.27087737	2.3656704	20	8 17.9	20.8
181988 1999 VF_{110}	17.3	X	218.18516	202.37558	232.53293	1.55989	0.1712321	0.27028329	2.3691356	20	7 13.9	20.8
181989 1999 VW_{111}	17.2	X	201.88641	23.84258	38.08945	1.26457	0.2013259	0.26658693	2.3909848	20	6 9.1	21.2
181990 1999 VG_{113}	16.9	X	353.40054	315.91682	62.28830	5.80042	0.1376031	0.28235446	2.3011218	20	12 11.3	19.1
181991 1999 VH_{121}	17.5	X	205.55026	60.03967	27.00023	2.44911	0.1877421	0.27122967	2.3636214	20	7 16.9	21.2
181992 1999 VZ_{125}	16.1	X	234.33314	178.59331	192.85338	9.20000	0.1007004	0.17543332	3.1602977	20	5 16.7	20.9
181993 1999 VP_{130}	15.4	X	27.28515	217.13145	35.66066	5.53998	0.1081238	0.17592497	3.1544070	20	7 20.9	19.4
181994 1999 VO_{161}	17.0	X	246.28695	173.45597	248.87037	4.18213	0.1916476	0.27332644	2.3515179	20	7 25.0	20.2
181995 1999 VV_{165}	16.1	X	59.93617	107.77159	287.70786	2.33616	0.1195951	0.24599900	2.5225928	20	—	—
181996 1999 VQ_{167}	17.2	X	241.42834	75.85138	310.68365	2.35749	0.2033468	0.26936936	2.3744913	20	5 30.9	20.9
181997 1999 VR_{180}	17.0	X	259.12452	358.56366	25.56790	12.52564	0.1765019	0.27400437	2.3476376	20	6 19.8	20.4
181998 1999 VC_{212}	16.7	X	118.04994	44.01967	235.19861	6.63745	0.1033753	0.28675032	2.2775440	20	12 29.5	20.0
181999 1999 WG_{15}	17.2	X	56.65439	268.83201	61.84658	2.15101	0.1935917	0.28964761	2.2623306	20	—	—
182000 1999 WX_{20}	15.1	X	27.89551	222.81302	50.90769	16.58364	0.0488278	0.17836720	3.1255472	20	8 18.6	19.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
182001 1999 WQ_{23}	17.5	X	33.79604	304.65813	239.23719	0.83767	0.0842147	0.26060338	2.4274448	20	4 21.4	19.8
182002 1999 XV_{7}	16.4	X	22.92310	359.51728	15.19926	6.40470	0.2733176	0.28701217	2.2761586	20	—	—
182003 1999 XE_{14}	16.7	X	352.82862	283.58091	128.26740	7.07022	0.0848328	0.28604362	2.2812937	20	—	—
182004 1999 XK_{17}	16.9	X	306.20764	303.94248	104.15811	24.17386	0.1217117	0.37193280	1.9149601	20	12 4.9	18.5
182005 1999 XR_{26}	17.2	X	37.37168	318.80412	55.32429	7.25201	0.1818962	0.28970869	2.2620127	20	—	—
182006 1999 XJ_{45}	15.0	X	283.92281	322.09776	67.30038	18.48043	0.2360439	0.17870305	3.1216299	20	7 18.5	19.5
182007 1999 XR_{48}	16.6	X	200.84780	40.21354	65.01525	4.88324	0.1163587	0.27144922	2.3623468	20	8 12.1	20.0
182008 1999 XE_{69}	16.8	X	343.64414	113.13443	250.39901	1.46976	0.1872470	0.27946778	2.3169405	20	11 6.4	18.6
182009 1999 XZ_{122}	15.1	X	289.74342	326.04496	30.58334	16.33582	0.2921628	0.17804682	3.1292954	20	5 31.0	19.6
182010 1999 XT_{133}	16.8	X	249.56423	23.25416	21.67339	6.60509	0.2162468	0.27007519	2.3703524	20	7 3.3	20.2
182011 1999 XL_{159}	15.0	X	347.02342	304.48416	208.57767	3.21385	0.1849365	0.24510278	2.5287384	20	—	—
182012 1999 XY_{218}	17.1	X	332.43953	255.92791	113.14254	3.25400	0.2552886	0.27642858	2.3338920	20	10 26.9	18.2
182013 1999 XR_{225}	17.2	X	235.27076	81.49711	308.13458	2.08663	0.0980665	0.26360643	2.4089736	20	6 8.9	20.6
182014 1999 XC_{226}	16.3	X	62.11357	38.83226	3.60762	0.74814	0.2021439	0.24384804	2.5374054	20	—	—
182015 1999 XH_{248}	16.0	X	161.09835	224.05915	140.38794	3.73501	0.1908929	0.25535266	2.4606082	20	2 23.1	19.7
182016 1999 XF_{255}	16.0	X	69.31658	244.70177	90.92515	3.85463	0.2900811	0.23625101	2.5915143	20	—	—
182017 1999 YO_{7}	17.0	X	106.35606	305.44204	157.35371	2.19300	0.1586753	0.25825265	2.4421529	20	4 28.9	20.3
182018 1999 YA_{8}	17.7	X	145.37413	29.78109	99.61704	1.87384	0.1915828	0.26433448	2.4045483	20	7 16.3	21.6
182019 1999 YF_{14}	17.3	X	160.66799	248.08171	236.43589	0.41553	0.1432186	0.26326174	2.4110759	20	7 23.0	20.9
182020 1999 YZ_{16}	16.8	X	121.72581	20.09613	138.73156	3.18193	0.1077784	0.26193985	2.4191808	20	7 25.4	20.2
182021 2000 AU_{5}	17.1	X	157.83987	307.40141	94.87854	3.18179	0.2192917	0.25731110	2.4481069	20	4 9.7	21.2
182022 2000 AD_{27}	16.6	X	155.98333	45.60055	63.85970	3.27588	0.1622476	0.26262411	2.4149769	20	6 29.1	20.5
182023 2000 AG_{27}	16.9	X	130.54276	87.62595	59.88235	2.95359	0.1146353	0.26340667	2.4101914	20	7 21.6	20.3
182024 2000 AB_{90}	16.1	X	330.71073	240.85626	125.05841	6.52749	0.1383471	0.27360036	2.3499481	20	10 10.9	18.2
182025 2000 AV_{100}	14.4	X	290.57482	159.62637	224.07809	16.69484	0.2079994	0.17934426	3.1141849	20	7 18.5	18.9
182026 2000 AQ_{113}	16.5	X	351.13203	273.79073	148.70466	6.05642	0.2703477	0.23703632	2.5857873	20	—	—
182027 2000 AJ_{145}	16.8	X	106.04150	47.11080	83.69620	2.38715	0.1281316	0.25835743	2.4414926	20	5 31.8	19.9
182028 2000 AL_{194}	17.0	X	130.16698	316.79351	169.30077	10.80376	0.2500733	0.25964828	2.4333939	20	6 30.8	21.2
182029 2000 BV_{4}	16.6	X	212.70642	62.69058	21.17525	9.63977	0.2070645	0.26821888	2.3812765	20	7 20.3	20.5
182030 2000 BJ_{7}	15.3	X	9.52452	157.17823	331.78363	7.06652	0.1518726	0.24559773	2.5253398	20	—	—
182031 2000 BJ_{13}	16.6	X	61.27961	222.53266	134.33330	4.32468	0.2518707	0.28380365	2.2932817	20	—	—
182032 2000 BN_{13}	16.8	X	59.21213	264.97751	315.53966	6.07950	0.1643556	0.26027975	2.4294565	20	8 9.3	19.5
182033 2000 CJ_{15}	16.3	X	107.93986	65.43544	95.83465	5.26889	0.1212133	0.25996074	2.4314436	20	7 14.4	19.6
182034 2000 CS_{21}	16.3	X	301.35466	266.04679	229.68469	2.77184	0.2031256	0.23451180	2.6043114	20	—	—
182035 2000 CY_{38}	16.0	X	14.04242	167.94269	349.30354	10.64359	0.1624790	0.24572802	2.5244470	20	2 10.8	18.5
182036 2000 CV_{43}	15.3	X	341.45280	0.56452	180.31440	5.83706	0.1485845	0.24422131	2.5348193	20	1 13.8	18.2
182037 2000 CE_{52}	15.7	X	14.19476	20.68761	152.74290	15.34351	0.0836580	0.24715543	2.5147179	20	3 6.6	18.4
182038 2000 CL_{64}	16.0	X	6.12091	58.37746	104.25785	3.05704	0.0918980	0.24687297	2.5166357	20	2 6.0	18.7
182039 2000 CR_{67}	17.2	X	274.20976	192.71170	217.07995	0.74515	0.1738350	0.27059587	2.3673108	20	8 18.7	19.9
182040 2000 CD_{72}	16.8	X	169.62477	354.67997	323.63929	1.84275	0.1051245	0.24112456	2.5564762	20	—	—
182041 2000 CX_{73}	17.2	X	6.03400	37.26110	131.08134	3.31646	0.0803470	0.24704087	2.5154953	20	2 14.3	19.9
182042 2000 CE_{88}	16.1	X	308.81356	10.57382	145.15936	7.55271	0.1140506	0.23622667	2.5916923	20	—	—
182043 2000 CH_{96}	16.9	X	343.34776	165.52516	300.97009	1.78061	0.1035828	0.23823060	2.5771381	20	—	—
182044 Ryschkewitsch	16.7	X	306.25355	98.11054	259.95539	0.38953	0.2020756	0.26636850	2.3922917	20	7 23.1	18.6
182045 2000 CC_{131}	16.6	X	26.18009	131.31800	139.32843	8.78311	0.1832316	0.26092235	2.4254660	20	9 4.1	19.0
182046 2000 CL_{147}	16.1	X	206.48118	78.60356	117.40047	3.77090	0.1307075	0.22669044	2.6638754	20	12 4.3	20.0
182047 2000 CE_{149}	16.5	X	248.57750	284.88206	147.46147	6.92200	0.0844259	0.26821277	2.3813126	20	8 28.8	19.5
182048 2000 DU_{16}	17.1	X	305.20094	106.19143	336.57992	19.10592	0.0716940	0.37283608	1.9118659	20	—	—
182049 2000 DY_{36}	16.8	X	7.79188	21.76113	119.22821	1.34565	0.0720488	0.24267299	2.5455898	20	1 11.8	19.9
182050 2000 DF_{40}	16.2	X	290.97245	68.45164	161.65327	15.69546	0.1253525	0.24217499	2.5490784	20	1 14.4	20.0
182051 2000 DP_{47}	16.6	X	117.57146	318.91487	190.08752	0.88739	0.1289938	0.25803985	2.4434954	20	7 9.2	20.2
182052 2000 DD_{49}	17.3	X	35.23212	345.29890	161.30349	2.47632	0.1448374	0.24727107	2.5139339	20	3 5.8	19.6
182053 2000 DM_{61}	15.8	X	35.97239	158.27513	345.37010	11.86892	0.0786709	0.24603518	2.5223455	20	2 29.4	18.7
182054 2000 DG_{89}	16.7	X	254.81992	77.95567	146.09671	5.81656	0.2084056	0.23620004	2.5918870	20	—	—
182055 2000 DA_{92}	16.4	X	132.96613	231.56415	167.12595	1.93804	0.1061252	0.24590652	2.5232252	20	2 29.2	20.0
182056 2000 DD_{93}	16.0	X	253.65788	159.41333	4.16142	5.32656	0.2474439	0.23013275	2.6372447	20	12 3.1	19.3
182057 2000 DY_{103}	16.1	X	39.20233	139.60690	138.33725	11.10909	0.2421624	0.26033120	2.4291364	20	10 18.3	19.4
182058 2000 DN_{108}	16.4	X	276.54437	233.24932	148.68224	6.57899	0.1418914	0.26540891	2.3980545	20	7 16.7	19.3
182059 2000 DQ_{114}	16.8	X	252.38220	33.35028	142.12914	2.90638	0.0644533	0.23227308	2.6210188	20	—	—
182060 2000 DL_{116}	15.7	X	315.39893	112.36714	111.17481	3.34938	0.0289375	0.24593490	2.5230311	20	2 21.6	18.8
182061 2000 EU_{3}	17.1	X	156.34934	317.58115	161.40183	2.41253	0.1061267	0.25918494	2.4362931	20	7 10.0	20.5
182062 2000 ET_{15}	15.4	X	247.23937	291.92976	188.37772	2.70314	0.1517691	0.12671332	3.9257371	20	9 29.2	21.0
182063 2000 EZ_{55}	16.6	X	53.20866	129.20182	343.14337	12.05092	0.0953031	0.24576332	2.5242053	20	2 16.8	19.4
182064 2000 EC_{79}	15.5	X	126.57956	287.92032	123.43795	6.38010	0.0327696	0.24647696	2.5193306	20	2 29.8	18.9
182065 2000 EH_{154}	16.2	X	317.57119	182.18842	32.20265	12.39853	0.2224133	0.24167114	2.5526201	20	1 16.8	19.8
182066 2000 EF_{159}	17.0	X	66.24039	90.27337	162.87836	6.24867	0.1375322	0.26325771	2.4111005	20	9 30.7	20.1
182067 2000 FS_{7}	16.8	X	88.63000	280.92100	32.10626	21.30599	0.0708301	0.37059405	1.9195691	20	—	—
182068 2000 FX_{54}	16.5	X	128.47390	302.82135	23.73558	1.56909	0.1227261	0.22888898	2.6467899	20	—	—
182069 2000 GR_{27}	14.5	X	257.97716	90.51213	32.85648	3.14727	0.1463904	0.12501311	3.9612508	20	10 15.2	20.1
182070 2000 GC_{47}	15.7	X	289.60809	38.56695	206.77457	14.21512	0.0686410	0.24024608	2.5627044	20	2 5.7	19.5
182071 2000 GJ_{67}	15.9	X	295.76299	209.40509	25.64721	12.12376	0.1297949	0.23870528	2.5737204	20	2 1.0	19.7
182072 2000 GX_{81}	16.6	X	182.48195	32.96575	204.81030	20.42267	0.0497616	0.37201630	1.9146735	20	—	—
182073 2000 GZ_{81}	16.4	X	15.74778	343.22480	192.33209	19.82961	0.1885280	0.24467242	2.5317027	20	3 5.9	18.8
182074 2000 GC_{119}	15.9	X	167.20952	195.20504	188.24087	5.91208	0.1962448	0.24712953	2.5148936	20	3 23.0	19.8
182075 2000 GM_{119}	16.4	X	309.62017	139.12564	160.58575	7.91101	0.1712574	0.24615803	2.5215062	20	5 7.7	19.4
182076 2000 GH_{130}	17.2	X	213.52398	84.24068	192.63233	1.95286	0.1135720	0.23413634	2.6070949	20	—	—
182077 2000 GA_{131}	15.7	X	232.32656	142.67165	217.39468	3.80498	0.1110265	0.19862881	2.9092065	20	4 27.6	20.1
182078 2000 GS_{170}	17.7	X	219.22658	266.77664	203.02310	20.87018	0.1039699	0.36201115	1.9497911	20	9 17.8	20.2
182079 2000 HD_{1}	17.0	X	289.00607	98.02313	216.67272	0.84544	0.2418543	0.24484944	2.5304823	20	4 14.5	20.3
182080 2000 HA_{2}	16.7	X	277.66771	245.82722	65.21679	3.37750	0.1116459	0.24613292	2.5216777	20	4 15.7	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
182081 2000 HC_2	16.6	X	65.93118	318.31524	148.17859	2.42663	0.1354520	0.24224340	2.5485985	20	3 4.1	19.2
182082 2000 HD_8	16.2	X	342.06676	201.35121	43.90820	4.63897	0.1072884	0.24603589	2.5223407	20	4 21.5	18.7
182083 2000 HS_{51}	15.8	X	350.45293	164.50935	60.51775	2.66318	0.0846456	0.24389274	2.5370954	20	4 9.2	18.7
182084 2000 HL_{58}	17.4	X	236.54065	108.97163	22.98263	20.04717	0.0760371	0.36701579	1.9320256	20	11 22.6	19.5
182085 2000 HN_{59}	16.5	X	232.22052	36.16089	228.20296	7.22660	0.2060282	0.23187599	2.6240102	20	—	—
182086 2000 HW_{68}	16.9	X	36.10864	318.41430	207.54137	4.05439	0.1775612	0.24534728	2.5270580	20	4 8.7	19.2
182087 2000 HH_{81}	16.8	X	143.66117	151.42213	100.34742	24.14762	0.0487036	0.36700631	1.9320589	20	—	—
182088 2000 HV_{83}	16.8	X	273.03943	100.81372	55.19853	23.73335	0.0454508	0.37528053	1.9035547	20	—	—
182089 2000 JK_7	16.1	X	36.73670	352.43112	218.03263	1.29177	0.0037885	0.20183863	2.8782810	20	5 28.1	20.0
182090 2000 JH_{10}	16.8	X	198.07227	95.27508	55.25416	27.15434	0.0606104	0.36269913	1.9473247	20	11 5.7	18.9
182091 2000 JD_{13}	16.6	X	288.38631	67.16638	196.96735	4.15619	0.2002920	0.23929379	2.5694989	20	2 13.8	20.3
182092 2000 JE_{41}	16.0	X	317.39889	224.70793	69.45556	7.24001	0.2782351	0.24423812	2.5347030	20	4 24.1	18.6
182093 2000 JJ_{43}	16.8	X	58.27463	61.01126	81.28549	1.99195	0.1645682	0.24453546	2.5326479	20	4 15.9	19.4
182094 2000 JK_{68}	14.9	X	271.84231	278.07408	194.07032	10.64576	0.1765146	0.12459937	3.9700151	20	10 14.4	20.4
182095 2000 JX_{68}	16.2	X	253.79132	255.00689	51.49839	8.74651	0.0782597	0.24258197	2.5462266	20	3 19.6	19.9
182096 2000 JF_{80}	16.8	X	339.37748	18.65650	229.37270	2.03898	0.1001697	0.24510193	2.5287441	20	4 20.7	19.7
182097 2000 KV_{11}	17.0	X	264.69315	115.61103	182.83849	0.87628	0.2913994	0.23813810	2.5778053	20	2 25.2	21.3
182098 2000 KO_{31}	15.9	X	312.67433	19.25214	253.25049	6.34259	0.2128790	0.24151138	2.5537457	20	3 22.2	19.0
182099 2000 KJ_{49}	16.7	X	42.40087	126.22595	48.88182	3.45944	0.0518597	0.24508344	2.5288713	20	4 21.6	19.5
182100 2000 KX_{52}	16.0	X	328.71409	158.06281	81.02567	5.40023	0.1009394	0.24254671	2.5464733	20	3 25.1	19.0
182101 2000 KM_{59}	16.0	X	306.11486	202.80642	61.12875	17.72699	0.1872109	0.24108465	2.5567583	20	3 20.0	19.7
182102 2000 LX_{22}	15.7	X	201.18282	110.33667	133.14997	15.70961	0.0617656	0.21959606	2.7209445	20	—	—
182103 2000 NN_{13}	15.6	X	335.93729	201.21186	150.49074	10.80671	0.3450669	0.19717796	2.9234598	20	9 2.9	17.1
182104 2000 NT_{20}	16.2	X	209.40926	142.16367	149.85650	2.75200	0.1837467	0.22627982	2.6670971	20	1 11.1	20.7
182105 2000 OR_{17}	16.5	X	261.26350	168.08995	123.70163	6.54351	0.3145549	0.23334037	2.6130203	20	2 14.5	21.0
182106 2000 OT_{34}	16.1	X	167.54028	148.54343	161.08205	8.41214	0.2296053	0.22121214	2.7076763	20	—	—
182107 2000 OC_{35}	16.0	X	212.44604	99.47943	216.40672	2.94301	0.1738847	0.22814127	2.6525698	20	2 9.6	20.5
182108 2000 PY_6	15.2	X	150.67457	347.09238	322.54733	8.54926	0.1708992	0.21825628	2.7320682	20	—	—
182109 2000 QL_3	15.6	X	70.82438	192.80525	160.51742	13.46447	0.1739872	0.21029778	2.8005689	20	—	—
182110 2000 QE_{19}	16.3	X	105.19478	186.33438	160.41205	2.17524	0.2723879	0.21457803	2.7632014	20	—	—
182111 2000 QZ_{35}	15.4	X	236.13426	304.24293	317.25891	10.51321	0.1590677	0.22575288	2.6712458	20	—	—
182112 2000 QL_{37}	16.4	X	191.14799	123.83661	151.25538	4.18893	0.1877182	0.22081978	2.7108827	20	—	—
182113 2000 QH_{104}	15.2	X	203.96415	295.18196	34.69093	13.30311	0.2771033	0.22626715	2.6671967	20	2 26.2	20.2
182114 2000 QC_{119}	15.2	X	204.25537	322.99299	327.74930	8.46672	0.2479661	0.22253894	2.6969033	20	1 8.1	20.0
182115 2000 QL_{141}	16.0	X	108.70086	314.42007	23.84383	8.23322	0.2241140	0.21287543	2.7779155	20	—	—
182116 2000 QM_{161}	15.5	X	104.17706	182.80089	186.88174	10.02886	0.1601120	0.21835485	2.7312460	20	—	—
182117 2000 QF_{168}	16.3	X	201.81358	84.48204	199.65699	6.99114	0.2441906	0.22220555	2.6996002	20	—	—
182118 2000 QF_{170}	16.1	X	112.28676	123.63695	190.86497	7.04030	0.2022536	0.21215467	2.7842036	20	—	—
182119 2000 QH_{186}	16.0	X	191.63440	276.85397	51.76179	4.16955	0.1828670	0.22574745	2.6712886	20	2 10.2	20.5
182120 2000 QW_{189}	16.4	X	31.43536	319.26745	76.07890	4.49390	0.1151422	0.31032592	2.1606811	20	—	—
182121 2000 QL_{227}	12.6	X	256.15013	114.86866	209.55511	9.88603	0.1586518	0.08329488	5.1926675	20	4 9.4	19.9
182122 Sepan	16.3	X	209.60847	357.52152	132.67478	9.42583	0.1114839	0.20298855	2.8674005	20	9 17.9	20.7
182123 2000 RA_{21}	16.1	X	265.57276	87.11796	194.16705	7.63408	0.2540742	0.23038495	2.6353197	20	2 7.5	20.6
182124 2000 RY_{23}	15.1	X	169.48092	260.76263	193.32959	14.57457	0.3367382	0.17947925	3.1126232	20	6 21.3	21.1
182125 2000 RK_{26}	15.1	X	274.79097	168.13286	226.52223	9.42613	0.1080278	0.19203391	2.9754370	20	7 28.9	19.4
182126 2000 RJ_{38}	15.9	X	141.04247	167.15502	174.16367	8.92988	0.1438725	0.21690472	2.7434058	20	1 5.6	20.1
182127 2000 RJ_{70}	16.1	X	223.87363	144.19478	130.82981	5.11650	0.4209588	0.22518836	2.6757083	20	—	—
182128 2000 RC_{72}	15.0	X	190.21986	212.07967	204.78983	16.77231	0.2016002	0.17888642	3.1194962	20	5 24.9	20.4
182129 2000 RR_{99}	14.7	X	164.90456	89.94600	334.81469	24.81137	0.2528841	0.17824441	3.1269824	20	5 3.2	20.6
182130 2000 SY_{15}	15.3	X	309.39863	25.98629	334.36131	8.44751	0.0744928	0.19299689	2.9655313	20	8 11.7	19.0
182131 2000 SD_{17}	15.5	X	297.34237	55.22077	328.09654	9.54301	0.1204277	0.19335300	2.9618890	20	8 17.6	19.3
182132 2000 SG_{17}	15.1	X	99.61734	253.86872	340.28597	14.98545	0.1389644	0.19828663	2.9125525	20	9 28.7	19.7
182133 2000 SO_{23}	15.5	X	251.74836	21.98008	179.80441	9.53090	0.0918025	0.21538174	2.7563231	20	—	—
182134 2000 SL_{25}	15.6	X	97.79428	147.85781	197.13492	14.45716	0.3041145	0.21443958	2.7643907	20	—	—
182135 2000 SP_{27}	16.6	X	166.99926	218.62075	230.35079	4.25786	0.1021727	0.28422344	2.2910230	20	6 11.9	19.7
182136 2000 ST_{29}	16.0	X	166.74094	145.22810	162.69183	9.77020	0.1548637	0.21809268	2.7334344	20	—	—
182137 2000 SA_{31}	15.7	X	51.11548	350.33532	16.20574	6.40829	0.0948272	0.20854642	2.8162264	20	—	—
182138 2000 SJ_{33}	15.7	X	198.61089	237.65210	39.20112	5.53079	0.1308614	0.21767842	2.7369013	20	—	—
182139 2000 SM_{33}	16.0	X	114.40021	204.50418	134.19740	6.08407	0.1647165	0.21352431	2.7722847	20	—	—
182140 2000 SX_{42}	15.6	X	244.01204	185.75495	232.81970	6.18073	0.1448876	0.18788732	3.0190553	20	7 17.9	20.2
182141 2000 SZ_{43}	15.5	X	171.83894	108.75002	200.09938	24.61940	0.1457076	0.21791286	2.7349380	20	—	—
182142 2000 SN_{44}	14.6	X	180.49438	14.68235	356.70634	29.13646	0.1917990	0.17438729	3.1729227	20	3 21.5	20.1
182143 2000 SQ_{45}	15.4	X	137.47862	67.29693	235.73107	13.30201	0.1820125	0.21597378	2.7512837	20	—	—
182144 2000 SN_{47}	15.3	X	195.13244	124.71376	206.31266	12.08152	0.2120264	0.22606157	2.6688135	20	2 10.9	20.2
182145 2000 SR_{49}	15.4	X	70.40837	89.57239	221.77005	5.69809	0.0676235	0.20456141	2.8526834	20	11 28.4	19.3
182146 2000 ST_{57}	15.7	X	152.08489	120.84608	181.16221	12.65653	0.2107706	0.21565130	2.7540257	20	—	—
182147 2000 SJ_{60}	15.8	X	76.50560	177.84455	187.20954	8.28874	0.0940509	0.21098545	2.7944802	20	—	—
182148 2000 SB_{64}	15.4	X	203.58621	340.91627	42.54635	6.56373	0.2149775	0.17992746	3.1074519	20	4 25.2	20.7
182149 2000 SN_{65}	15.5	X	118.85484	137.06930	170.49539	8.02845	0.0824938	0.20977573	2.8052133	20	—	—
182150 2000 SK_{68}	15.6	X	90.40358	180.09180	164.08611	9.81757	0.1631368	0.20987624	2.8043176	20	—	—
182151 2000 SK_{70}	15.7	X	213.99832	238.13939	174.68472	13.58535	0.2864703	0.18244249	3.0788278	20	6 5.1	21.3
182152 2000 SM_{73}	16.3	X	143.59008	259.41517	46.76911	6.52090	0.3161448	0.21485110	2.7608597	20	—	—
182153 2000 SU_{77}	16.2	X	348.01878	158.13813	202.26541	2.57857	0.1483322	0.19826762	2.9127387	20	10 13.8	19.4
182154 2000 SF_{78}	15.8	X	121.58796	141.05930	193.87436	7.43501	0.0306667	0.21322953	2.7748392	20	—	—
182155 2000 SB_{84}	15.1	X	204.48108	247.01749	183.42898	9.04915	0.1355758	0.18406203	3.0607410	20	6 23.9	20.1
182156 2000 SG_{87}	15.8	X	119.59591	180.83079	163.51981	8.88057	0.2267903	0.21346966	2.7727578	20	—	—
182157 2000 SF_{103}	16.1	X	108.85336	29.71526	309.50150	0.43905	0.2297568	0.21259440	2.7803630	20	—	—
182158 2000 SQ_{122}	14.9	X	211.53480	219.89446	194.58610	17.19133	0.2115749	0.18176187	3.0865088	20	6 7.7	20.4
182159 2000 SZ_{132}	15.2	X	204.87949	39.63727	226.81830	13.26286	0.1729305	0.21902443	2.7256767	20	—	—
182160 2000 SC_{161}	15.0	X	289.26316	342.80212	48.77783	10.21629	0.3364290	0.18598095	3.0396512	20	7 13.0	19.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
182161 2000 SL_{184}	12.6	X	279.75369	162.12036	135.81495	7.31899	0.1785485	0.08250752	5.2256506	20	4 4.6	19.6
182162 2000 SZ_{186}	14.9	X	227.89988	357.96969	217.17527	24.81533	0.0630547	0.21197339	2.7857907	20	—	—
182163 2000 SO_{193}	12.8	X	252.45327	345.74484	342.20525	9.14850	0.1041615	0.08260038	5.2217334	20	4 12.7	20.0
182164 2000 SO_{196}	16.4	X	4.13410	9.36752	356.73860	5.63492	0.0981384	0.20168960	2.8796986	20	11 11.8	20.0
182165 2000 SO_{197}	15.9	X	241.96706	58.91889	170.33933	9.35179	0.0702513	0.21674110	2.7447863	20	—	—
182166 2000 SS_{202}	15.8	X	139.86175	11.69087	56.24809	1.81576	0.2665475	0.17448903	3.1716892	20	4 30.1	21.3
182167 2000 SG_{214}	15.7	X	263.26396	21.35517	359.66384	9.73702	0.0836935	0.18851094	3.0123933	20	7 3.9	20.1
182168 2000 SL_{214}	15.1	X	226.01477	267.46259	182.60059	14.47109	0.1513113	0.19081260	2.9881199	20	8 5.4	20.0
182169 2000 SQ_{216}	15.4	X	131.16461	282.71979	62.00458	9.77219	0.1816001	0.21518678	2.7579877	20	1 5.1	19.5
182170 2000 SU_{222}	15.8	X	163.09754	80.41641	216.58887	8.07743	0.1639545	0.21575298	2.7531604	20	—	—
182171 2000 SZ_{222}	16.0	X	215.91315	170.20264	228.58417	0.99161	0.2194128	0.18257776	3.0773068	20	5 22.7	21.1
182172 2000 SG_{229}	16.0	X	83.48615	168.25124	194.84776	3.28740	0.1050256	0.20998075	2.8033871	20	—	—
182173 2000 SX_{239}	15.3	X	5.88529	150.17337	202.85097	11.64045	0.0671680	0.19737638	2.9215003	20	10 26.8	19.1
182174 2000 SQ_{247}	16.1	X	202.76201	270.00109	33.35300	5.56377	0.1557643	0.22333598	2.6904830	20	1 20.5	20.6
182175 2000 SH_{250}	15.5	X	231.89028	2.31989	30.60471	11.28192	0.1201498	0.18506188	3.0497066	20	6 4.6	20.3
182176 2000 SM_{250}	12.3	X	322.13531	103.29557	163.09126	18.07076	0.1247668	0.08245049	5.2280600	20	4 29.0	19.0
182177 2000 SK_{253}	16.1	X	144.83369	235.14249	80.72815	3.63691	0.1368393	0.21502995	2.7593285	20	—	—
182178 2000 SR_{282}	12.5	X	257.67397	127.75219	215.45315	25.53925	0.1140688	0.08299144	5.2053171	20	5 7.5	19.6
182179 2000 SC_{292}	15.6	X	214.06371	275.37139	352.85552	13.21826	0.1931214	0.21936310	2.7228705	20	—	—
182180 2000 SP_{294}	15.7	X	320.87114	9.35975	42.54004	12.06493	0.1049306	0.19780220	2.9173059	20	11 4.3	19.2
182181 2000 SG_{310}	15.1	X	148.10381	74.59589	327.72130	24.27389	0.1918165	0.17309778	3.1886613	20	3 21.6	20.7
182182 2000 SK_{318}	15.0	X	214.58530	255.18146	58.35268	13.45838	0.2744917	0.22595206	2.6696757	20	2 13.7	20.0
182183 2000 SK_{324}	16.3	X	27.04480	144.06590	192.29584	4.92404	0.1210837	0.19988703	2.8969854	20	11 12.3	20.0
182184 2000 SP_{325}	16.1	X	184.45677	255.20758	164.70041	5.35395	0.1636797	0.18136249	3.0910384	20	5 24.2	21.2
182185 2000 SR_{343}	15.3	X	254.51590	48.01700	328.56649	10.06178	0.0601430	0.18825172	3.0151581	20	6 19.5	19.8
182186 2000 SU_{349}	15.1	X	204.80046	34.96598	28.06670	19.24981	0.3141078	0.18388164	3.0627424	20	6 4.2	20.9
182187 2000 SY_{363}	16.7	X	17.28495	231.24583	74.23512	5.70483	0.1665857	0.29832402	2.2182504	20	10 17.5	18.9
182188 2000 TK_{13}	15.2	X	89.48647	280.35547	21.93556	13.57030	0.1231457	0.20405542	2.8573973	20	12 11.7	19.8
182189 2000 TM_{34}	16.0	X	241.84778	252.87547	130.42121	3.06656	0.1936112	0.18410346	3.0602818	20	5 29.3	20.9
182190 2000 TD_{35}	17.3	X	318.42518	261.66660	192.23169	2.60505	0.1141713	0.30381120	2.1914599	20	—	—
182191 2000 UC_{14}	15.4	X	80.53438	152.85516	336.56737	8.07993	0.0301674	0.17539004	3.1608175	20	4 11.6	19.8
182192 2000 UE_{14}	15.8	X	205.79919	54.52034	336.82386	7.16544	0.1880618	0.17964148	3.1107489	20	5 4.0	21.1
182193 2000 UB_{21}	15.5	X	289.31027	167.28446	205.47940	10.67718	0.1376163	0.18814459	3.0163025	20	7 16.3	19.7
182194 2000 UX_{24}	15.4	X	51.70992	276.26856	64.38303	8.67825	0.1752685	0.20232199	2.8736949	20	12 25.4	19.6
182195 2000 UR_{35}	15.2	X	217.93450	161.15511	218.74419	8.90095	0.1220001	0.17937582	3.1138196	20	5 7.4	20.1
182196 2000 UT_{45}	15.1	X	340.99392	131.20299	212.38177	6.62246	0.1424598	0.19123793	2.9836877	20	9 2.8	18.5
182197 2000 UX_{65}	15.3	X	294.54423	162.22094	225.60724	9.54096	0.1027070	0.19046726	2.9917307	20	8 16.9	19.4
182198 2000 UK_{105}	15.9	X	29.38171	250.62959	131.48332	5.79210	0.1976961	0.20436505	2.8545104	20	—	—
182199 2000 UN_{108}	15.7	X	328.29323	302.66828	28.22222	11.39393	0.0952784	0.18887940	3.0084744	20	8 2.6	19.6
182200 2000 UH_{111}	15.7	X	233.25724	199.13254	198.74641	6.55390	0.1853595	0.18177319	3.0863807	20	6 8.5	20.7
182201 2000 VD_{20}	15.3	X	135.78192	23.24626	60.33998	6.55503	0.1646958	0.17384548	3.1795118	20	5 8.7	20.4
182202 2000 VW_{20}	16.0	X	271.71441	356.20082	30.13890	1.64431	0.2527286	0.18667971	3.0320613	20	6 25.7	20.4
182203 2000 VS_{59}	15.7	X	174.87698	284.68789	129.05526	0.33222	0.1663810	0.17692012	3.1425671	20	5 7.5	20.9
182204 2000 WA_{21}	14.5	X	216.41084	281.83577	115.73272	4.08269	0.2406607	0.12544729	3.9521055	20	5 21.8	20.9
182205 2000 WR_{21}	15.9	X	126.87736	88.22727	227.80582	3.16788	0.0931443	0.21243530	2.7817510	20	—	—
182206 2000 WZ_{42}	15.1	X	147.37738	232.21068	210.91366	8.33138	0.2252372	0.17364371	3.1819744	20	5 22.1	20.4
182207 2000 WF_{46}	16.9	X	189.08889	183.69896	208.54898	4.52723	0.1397393	0.27603701	2.3360986	20	4 20.7	20.5
182208 2000 WC_{57}	14.6	X	154.04400	220.71838	242.12514	13.76968	0.1209566	0.17761559	3.1343584	20	6 14.9	19.6
182209 2000 WM_{69}	14.9	X	263.78740	29.25326	358.51452	10.07868	0.1053237	0.18558819	3.0439382	20	7 10.8	19.3
182210 2000 WR_{82}	15.2	X	223.30299	345.19432	26.02358	3.71795	0.2979945	0.17849275	3.1240813	20	4 21.9	20.6
182211 2000 WT_{102}	14.8	X	189.59746	230.89939	201.15426	13.50933	0.1542175	0.17857281	3.1231474	20	6 11.6	20.1
182212 2000 WN_{122}	15.4	X	216.98840	6.43402	75.50263	6.72600	0.1257768	0.18216636	3.0819382	20	7 22.5	20.1
182213 2000 WU_{122}	16.6	X	204.00752	343.17984	54.52397	3.13916	0.2047851	0.27794433	2.3253991	20	5 10.7	20.5
182214 2000 WB_{127}	15.7	X	323.93620	251.19981	84.96307	3.38548	0.2120218	0.18908322	3.0063121	20	7 17.5	18.9
182215 2000 WP_{145}	15.0	X	254.61027	197.70157	172.88434	16.14131	0.0873081	0.18232812	3.0801151	20	6 9.3	19.8
182216 2000 WK_{163}	14.9	X	111.68992	298.32751	243.63454	8.75186	0.0616204	0.18311787	3.0712527	20	7 31.1	19.5
182217 2000 WR_{163}	16.2	X	234.88419	180.37833	251.46850	1.07490	0.0623266	0.18525488	3.0475882	20	8 4.4	20.6
182218 2000 WX_{180}	15.4	X	203.46543	351.18579	39.24003	10.52651	0.1751434	0.17700852	3.1415208	20	5 3.7	20.5
182219 2000 XG_{26}	16.9	X	14.79059	10.85119	8.22151	7.03498	0.2448112	0.29991840	2.2103819	20	—	—
182220 2000 XP_{29}	15.3	X	316.78987	345.52643	40.10941	13.15448	0.2669411	0.18977603	2.9989909	20	9 13.4	18.3
182221 2000 XO_{48}	15.3	X	233.79567	345.95529	43.91220	11.61278	0.2317624	0.17943953	3.1130826	20	5 24.7	20.5
182222 2000 YU_{1}	6.8	X	285.26131	317.26019	207.88818	6.11503	0.0944712	0.00344851	43.3892025	20	12 12.4	23.1
182223 2000 YC_{2}	7.5	X	34.54820	145.31536	227.66852	19.90739	0.3834266	0.00222027	58.1923283	20	12 16.4	24.0
182224 2000 YO_{10}	15.5	X	136.45215	311.19465	127.08127	6.00157	0.1501293	0.17074516	3.2178845	20	5 3.6	20.6
182225 2000 YP_{35}	14.7	X	145.30295	21.38149	88.30967	27.62256	0.1155855	0.17425266	3.1745568	20	6 15.4	19.6
182226 2000 YS_{65}	15.5	X	192.38952	243.45590	192.08295	15.52646	0.2241098	0.17747997	3.1359549	20	6 16.4	21.1
182227 2000 YU_{84}	16.7	X	173.73137	157.26433	252.48661	3.66673	0.1745189	0.27375084	2.3490868	20	4 28.3	20.5
182228 2000 YF_{89}	15.6	X	191.04697	281.87174	144.27471	1.99075	0.1640459	0.17535734	3.1612105	20	6 5.6	20.8
182229 2000 YC_{124}	14.4	X	197.40080	151.74980	255.36636	20.84734	0.0816384	0.17766548	3.1337717	20	5 21.1	19.2
182230 2001 CL_{7}	16.5	X	264.04862	80.16033	99.49170	5.80382	0.0743625	0.29690703	2.2253025	20	—	—
182231 2001 CZ_{20}	17.2	X	137.24875	319.73619	195.22305	4.49610	0.3271431	0.27470232	2.3436594	20	8 14.6	21.5
182232 2001 DJ_{4}	16.3	X	133.70096	349.01032	29.09922	8.13036	0.0670473	0.31048183	2.1599578	20	1 21.6	19.0
182233 2001 DT_{4}	16.8	X	310.46173	95.29435	47.06229	5.88868	0.0495997	0.29920552	2.2138914	20	—	—
182234 2001 DH_{9}	16.7	X	287.66968	332.99035	164.53492	8.48904	0.0775043	0.29482312	2.2357763	20	—	—
182235 2001 DY_{14}	16.8	X	197.25772	26.19020	159.85775	4.78060	0.1440615	0.28734335	2.2744093	20	11 22.8	19.9
182236 2001 DV_{17}	17.0	X	214.64897	123.31455	38.01998	5.25088	0.0878529	0.28673781	2.2776102	20	11 16.5	19.9
182237 2001 DT_{33}	16.5	X	229.24048	63.32623	129.15445	6.57502	0.0823488	0.29204813	2.2499166	20	—	—
182238 2001 DW_{45}	16.5	X	135.44357	261.18798	322.35287	4.92182	0.1393592	0.28244765	2.3006157	20	11 4.0	20.1
182239 2001 DS_{78}	15.1	X	111.68353	163.09948	69.92981	2.19031	0.1716876	0.12466132	3.9686997	20	10 8.4	21.1
182240 2001 DL_{93}	17.6	X	193.14894	68.92489	133.51048	3.97154	0.1663487	0.28917722	2.2647834	20	12 6.7	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
182241 2001 EF_{14}	16.5	X	257.49239	88.43996	91.19388	8.36336	0.0730435	0.29393390	2.2402833	20	—	—
182242 2001 ED_{21}	16.6	X	170.32318	352.65484	208.43257	5.26961	0.1716919	0.28432659	2.2904689	20	11 10.6	20.0
182243 2001 FV_{9}	16.2	X	66.06737	116.65892	105.41615	9.00017	0.1653220	0.26985840	2.3716218	20	8 25.1	19.3
182244 2001 FF_{17}	16.4	X	103.13026	66.22109	187.27980	11.67619	0.2022416	0.27799445	2.3251196	20	11 16.9	20.3
182245 2001 FU_{19}	16.8	X	65.76890	72.87453	197.82354	4.60438	0.2122508	0.27512601	2.3412526	20	11 2.9	20.1
182246 2001 FE_{45}	16.7	X	51.01762	267.33510	303.43021	3.40232	0.1383075	0.26716866	2.3875128	20	7 9.6	19.4
182247 2001 FP_{52}	17.0	X	90.46373	141.20886	21.56813	2.31598	0.1442527	0.26740619	2.3860987	20	6 28.2	20.2
182248 2001 FJ_{71}	16.9	X	166.67033	133.11004	66.27096	5.64482	0.1639283	0.28173784	2.3044781	20	11 5.5	20.5
182249 2001 FG_{72}	16.7	X	216.10261	106.72997	89.08762	5.16700	0.0773473	0.28818985	2.2699534	20	—	—
182250 2001 FZ_{81}	17.0	X	209.52667	207.76286	299.25164	5.02684	0.1890990	0.28350224	2.2949068	20	10 6.1	20.5
182251 2001 FZ_{93}	16.3	X	259.31905	78.71956	62.48404	7.20445	0.0731560	0.28928339	2.2642292	20	12 27.1	18.6
182252 2001 FW_{98}	16.6	X	235.61013	19.38373	93.60965	7.13083	0.1728459	0.28349661	2.2949372	20	9 29.8	19.6
182253 2001 FV_{102}	16.6	X	354.27888	275.51901	187.09376	4.55484	0.0990331	0.29977100	2.2111064	20	—	—
182254 2001 FV_{103}	17.0	X	177.43091	40.30437	164.25142	5.14752	0.0856619	0.28554111	2.2839695	20	11 30.1	20.1
182255 2001 FM_{108}	16.7	X	251.47906	333.84903	189.48457	3.09644	0.0592088	0.29045659	2.2581280	20	—	—
182256 2001 FR_{145}	16.9	X	138.09101	87.83350	157.71380	4.40009	0.1123004	0.28451196	2.2894739	20	12 7.9	20.2
182257 2001 FJ_{147}	16.4	X	132.73301	293.29659	310.26719	7.09786	0.0965804	0.28248875	2.3003925	20	11 27.8	19.7
182258 2001 FR_{168}	16.7	X	126.07369	81.94121	171.53646	5.37319	0.1400830	0.28294541	2.2979167	20	12 5.6	20.3
182259 2001 FZ_{185}	16.9	X	270.02864	100.96742	48.32170	5.83582	0.1013050	0.29260606	2.2470557	20	—	—
182260 2001 GA_{3}	16.4	X	136.01561	121.85725	141.91501	22.71055	0.2822823	0.28294125	2.2979392	20	12 25.9	20.9
182261 2001 GN_{9}	16.4	X	77.45834	176.73392	91.40362	5.77296	0.2126466	0.27424767	2.3462489	20	11 11.9	20.0
182262 Solene	17.1	X	33.72785	121.86479	32.28118	2.96359	0.1338553	0.25672527	2.4518297	20	3 13.2	19.2
182263 2001 HQ_{8}	16.4	X	134.58528	123.33220	158.13649	22.74556	0.3006283	0.28139406	2.3063547	20	—	—
182264 2001 HW_{10}	16.8	X	112.17213	47.00343	214.86547	1.82024	0.1337234	0.27958907	2.3162704	20	12 1.5	20.2
182265 2001 HX_{19}	16.8	X	116.45478	109.59251	190.23754	2.70618	0.2153389	0.28800019	2.2709498	20	—	—
182266 2001 HO_{25}	16.9	X	71.59537	266.37610	31.11018	5.23495	0.2400914	0.27642148	2.3339319	20	12 13.5	20.6
182267 2001 HK_{26}	16.5	X	280.18217	234.40200	210.08639	20.58919	0.2737403	0.28329930	2.2960026	20	10 4.4	18.6
182268 2001 HT_{26}	16.6	X	278.09537	83.14102	68.61317	4.10096	0.1044999	0.23866054	2.5740421	20	—	—
182269 2001 HF_{33}	16.5	X	145.06240	35.42356	219.80332	8.52433	0.1487061	0.28256422	2.2999829	20	12 24.2	20.1
182270 2001 HK_{42}	17.1	X	184.45052	27.32776	160.45876	4.77109	0.1705034	0.28235848	2.3011000	20	11 8.2	20.5
182271 2001 HQ_{54}	16.8	X	86.60932	197.59268	33.70744	2.10580	0.1433113	0.27145039	2.3623400	20	9 26.6	20.2
182272 2001 HS_{59}	16.6	X	111.13772	267.99990	24.08846	7.10043	0.1414303	0.28307659	2.2972067	20	—	—
182273 2001 KA	16.5	X	58.04591	103.42103	140.64842	6.85152	0.0670895	0.26844885	2.3799163	20	8 27.0	19.4
182274 2001 KY_{1}	14.5	X	211.96688	43.87149	294.69014	8.50152	0.4986221	0.19347999	2.9605928	20	3 1.6	20.8
182275 2001 KA_{9}	16.2	X	188.26236	204.35374	87.05130	5.66316	0.2123118	0.23903195	2.5713749	20	—	—
182276 2001 KA_{10}	16.4	X	77.72110	187.37797	87.46067	5.30278	0.1370681	0.27394719	2.3479642	20	11 13.2	19.7
182277 2001 KD_{13}	17.0	X	125.37601	74.01162	185.53448	4.05392	0.2278739	0.27815034	2.3242508	20	12 11.3	20.9
182278 2001 KG_{18}	16.9	X	57.25375	321.50729	3.51389	2.71287	0.2018638	0.27979346	2.3151422	20	—	—
182279 2001 KC_{22}	16.8	X	306.81495	179.01678	107.62761	2.18639	0.1657892	0.25641285	2.4538209	20	4 13.3	19.5
182280 2001 KA_{23}	16.4	X	38.08913	240.38269	53.81211	5.38335	0.2314319	0.26943689	2.3740945	20	11 3.7	19.4
182281 2001 KX_{23}	16.4	X	70.93988	13.44434	273.38193	3.18360	0.2350866	0.27355410	2.3502130	20	11 29.2	19.9
182282 2001 KU_{25}	17.0	X	118.53189	313.82090	254.69527	5.24871	0.1846108	0.27331437	2.3515871	20	9 29.5	20.7
182283 2001 KT_{27}	16.9	X	85.76437	185.81531	69.23456	3.44469	0.1610428	0.27238613	2.3569266	20	10 28.9	20.2
182284 2001 KA_{35}	16.6	X	53.17252	194.89582	91.84477	6.21145	0.2225847	0.27079192	2.3661680	20	11 11.8	19.9
182285 2001 KB_{35}	16.5	X	67.46294	67.37462	204.67407	3.17847	0.1441573	0.27166355	2.3611041	20	10 28.5	19.5
182286 2001 KD_{49}	16.3	X	62.84988	210.18196	68.18972	3.41726	0.2084408	0.27103715	2.3647405	20	11 8.5	19.5
182287 2001 KE_{52}	16.6	X	84.71584	107.51017	186.94838	2.59941	0.1524604	0.27764470	2.3270718	20	12 16.1	20.2
182288 2001 KN_{58}	16.7	X	97.47721	119.02805	168.23601	6.89149	0.1938627	0.27689238	2.3312851	20	12 21.0	20.5
182289 2001 KN_{59}	15.0	X	231.44283	99.00863	232.18893	12.78791	0.2513289	0.24536490	2.5269371	20	3 6.4	19.6
182290 2001 KN_{68}	16.6	X	359.86065	146.19298	157.32025	8.14682	0.2179563	0.26552998	2.3973255	20	9 6.6	18.3
182291 2001 KV_{72}	16.6	X	3.81996	280.31543	8.59566	1.23485	0.1782728	0.26474066	2.4020882	20	8 16.9	18.5
182292 2001 KZ_{73}	17.0	X	157.64182	146.41861	75.74324	6.65831	0.1473208	0.28082012	2.3094961	20	11 25.7	20.6
182293 2001 KJ_{75}	16.5	X	97.02880	171.65079	110.74985	14.03690	0.2484235	0.27682648	2.3316550	20	12 17.8	20.5
182294 2001 KU_{76}	6.6	X	358.52259	206.00017	45.00855	10.64558	0.1689408	0.00322778	45.3454131	20	5 29.0	22.4
182295 2001 LJ_{13}	16.3	X	110.15825	29.38275	218.84122	6.86547	0.1857615	0.27462571	2.3440952	20	11 13.9	20.0
182296 2001 MN_{12}	15.8	X	206.19607	279.11639	71.93129	8.13894	0.3370053	0.24306060	2.5428828	20	3 19.6	20.7
182297 2001 MH_{14}	15.7	X	177.54168	351.07952	309.06025	7.04971	0.1861438	0.23333203	2.6130827	20	—	—
182298 2001 MM_{20}	16.1	X	319.69801	234.64946	78.60548	6.84295	0.1340734	0.25719351	2.4488530	20	6 18.4	18.6
182299 2001 NE_{1}	16.8	X	344.15860	271.86910	17.05965	1.34539	0.1699064	0.25787326	2.4445477	20	6 28.3	18.8
182300 2001 NG_{2}	16.9	X	72.98111	151.84389	112.92463	4.67473	0.1571071	0.26819827	2.3813984	20	10 28.1	20.3
182301 2001 NN_{19}	15.1	X	83.94925	70.28133	314.10141	10.53556	0.2757932	0.22891486	2.6465903	20	1 7.1	18.0
182302 2001 NC_{22}	16.0	X	270.38968	184.43163	136.12729	10.15503	0.1401711	0.24750546	2.5123464	20	4 18.5	19.6
182303 2001 NR_{22}	17.1	X	336.63451	236.37426	93.38767	2.51969	0.1953005	0.25829880	2.4418620	20	8 19.3	18.7
182304 2001 OV_{7}	15.0	X	195.54404	51.59858	238.32372	3.37818	0.2806295	0.18194426	3.0844458	20	1 4.2	20.5
182305 2001 OY_{7}	15.6	X	218.98164	17.55973	303.16093	13.30791	0.1231318	0.24072259	2.5593214	20	2 18.4	19.7
182306 2001 OK_{25}	16.2	X	164.50708	218.71631	155.40096	10.50625	0.2103897	0.24020121	2.5630235	20	3 11.9	20.5
182307 2001 OF_{36}	17.4	X	75.79600	254.96912	118.16254	25.23281	0.0440795	0.38510701	1.8710344	20	—	—
182308 2001 OU_{41}	16.6	X	6.28324	204.79994	95.68968	7.72395	0.1241083	0.26092036	2.4254784	20	9 6.2	19.1
182309 2001 OV_{41}	15.8	X	205.40334	310.87407	45.99662	6.76520	0.2833013	0.24267711	2.5455610	20	3 24.9	20.4
182310 2001 OO_{43}	16.8	X	76.39065	307.65555	330.80493	18.38778	0.0648343	0.36903227	1.9249812	20	11 21.9	19.5
182311 2001 OY_{55}	15.9	X	157.62626	173.26166	198.39423	13.55111	0.1724819	0.23494617	2.6011005	20	2 25.6	20.2
182312 2001 OT_{59}	16.5	X	304.77125	87.23142	246.56506	1.15485	0.2018410	0.25677336	2.4515236	20	6 11.0	18.8
182313 2001 OK_{61}	16.0	X	164.28278	293.99257	58.37836	5.31595	0.2757470	0.23654086	2.5893968	20	2 19.9	20.6
182314 2001 ON_{62}	17.4	X	38.08061	354.77467	326.12006	17.89983	0.0692660	0.37308386	1.9110193	20	12 9.2	19.8
182315 2001 OF_{66}	15.5	X	4.87800	262.32341	68.75434	8.64808	0.2290214	0.26359574	2.4090388	20	11 4.2	17.8
182316 2001 OT_{86}	16.5	X	238.90805	112.86335	194.19762	4.30565	0.2728711	0.24304474	2.5429934	20	2 15.6	21.0
182317 2001 OM_{88}	16.7	X	201.55616	171.17346	155.48924	1.74192	0.1201240	0.23999858	2.5644659	20	2 12.5	20.5
182318 2001 OE_{91}	15.9	X	303.97957	192.40779	111.76765	7.47408	0.1248738	0.25278773	2.4772247	20	5 12.7	18.9
182319 2001 OA_{98}	16.6	X	57.60996	304.05792	338.50995	7.58115	0.2692679	0.26698447	2.3886108	20	11 11.4	20.3
182320 2001 OJ_{99}	16.8	X	23.34555	153.35042	124.54040	3.66129	0.1945787	0.26121134	2.4236767	20	9 11.9	19.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
182321 2001 OA_{104}	16.8	X	10.60866	4.54785	307.66469	1.92395	0.2045594	0.26337459	2.4103871	20	10 9.8	19.0
182322 2001 OR_{111}	15.9	X	27.02947	294.66702	91.78099	3.18439	0.1033283	0.22153372	2.7050553	20	—	—
182323 2001 OC_{113}	15.4	X	29.69917	243.82940	123.10928	22.91713	0.0721309	0.22022483	2.7157629	20	12 23.9	19.3
182324 2001 PP_{4}	15.4	X	5.75545	41.41994	236.10265	13.68879	0.2023660	0.25663192	2.4524243	20	7 27.8	17.8
182325 2001 PC_{5}	16.2	X	169.59779	319.44986	45.05297	5.91141	0.2742276	0.23815097	2.5777125	20	3 9.1	20.8
182326 2001 PH_{5}	16.5	X	330.26514	110.65465	202.18030	5.98579	0.1704912	0.25713439	2.4492283	20	7 4.6	18.7
182327 2001 PJ_{11}	16.8	X	4.99822	231.01681	98.21211	5.92762	0.2440031	0.26411688	2.4058688	20	11 4.7	19.0
182328 2001 PS_{13}	16.9	X	337.46964	196.08798	130.41360	3.48769	0.3796777	0.26024290	2.4296859	20	8 7.9	16.8
182329 2001 PH_{15}	16.0	X	135.32730	281.70480	82.75185	5.35867	0.2329028	0.23397843	2.6082677	20	2 6.4	20.0
182330 2001 PD_{18}	15.7	X	295.58590	266.25867	42.62098	8.16546	0.1583508	0.25142546	2.4861646	20	4 28.6	18.8
182331 2001 PN_{19}	16.1	X	289.91120	221.13941	94.48014	6.95907	0.1189120	0.25177150	2.4838861	20	5 8.4	19.3
182332 2001 PO_{24}	16.3	X	201.49809	4.31240	342.01462	13.28447	0.2809882	0.24048310	2.5610202	20	3 6.7	20.9
182333 2001 PP_{37}	16.2	X	310.08302	289.82611	43.44030	8.23269	0.1365742	0.25539517	2.4603351	20	7 1.4	18.9
182334 2001 PB_{43}	16.5	X	155.74777	297.39789	77.47293	7.59702	0.1841069	0.23749294	2.5824717	20	3 6.5	20.7
182335 2001 PV_{44}	16.5	X	19.87200	249.15158	36.84228	2.56100	0.2130859	0.26013736	2.4303429	20	9 20.4	18.7
182336 2001 PL_{52}	15.8	X	193.27938	337.07891	17.13281	14.89567	0.0938025	0.24047946	2.5610461	20	3 13.8	19.7
182337 2001 PV_{54}	15.0	X	50.87698	37.30780	336.92560	32.65001	0.0308899	0.22413036	2.6841220	20	—	—
182338 2001 PG_{65}	16.5	X	49.07882	143.47331	136.80053	10.28846	0.2143716	0.26363488	2.4088003	20	10 29.9	19.9
182339 2001 PZ_{66}	16.1	X	20.22166	250.97976	187.90693	21.87052	0.0867020	0.22478400	2.6789162	20	—	—
182340 2001 QM_{1}	16.2	X	43.26936	210.99842	151.04233	13.96969	0.1898313	0.21885645	2.7270712	20	—	—
182341 2001 QP_{3}	15.8	X	120.86283	270.74739	143.91395	6.80859	0.1374980	0.23881447	2.5729358	20	3 12.9	19.3
182342 2001 QA_{7}	16.2	X	184.33737	334.56447	320.10194	6.75483	0.1887385	0.23330651	2.6132732	20	—	—
182343 2001 QY_{8}	16.0	X	58.94715	18.83398	344.89754	5.28467	0.1584551	0.22213225	2.7001940	20	—	—
182344 2001 QJ_{10}	16.5	X	255.01717	178.40475	153.30843	2.01780	0.1521659	0.24722213	2.5142656	20	4 10.4	20.3
182345 2001 QH_{12}	15.1	X	32.95553	82.81804	330.89513	10.46014	0.1890804	0.22278651	2.6949049	20	—	—
182346 2001 QC_{15}	16.4	X	175.91674	208.03287	157.57746	6.01495	0.2092783	0.23970478	2.5665610	20	3 10.6	20.7
182347 2001 QU_{33}	16.6	X	22.10660	266.77115	147.67945	3.28804	0.1486886	0.22363035	2.6881215	20	—	—
182348 2001 QB_{35}	17.0	X	39.16906	299.18107	19.88302	1.30445	0.2382799	0.26868944	2.3784954	20	12 7.6	20.0
182349 2001 QN_{39}	16.9	X	19.52164	162.30506	116.64276	2.57340	0.2000756	0.26175542	2.4203170	20	9 6.9	19.2
182350 2001 QY_{43}	15.9	X	123.11351	235.64726	157.56420	5.53413	0.2783428	0.23456676	2.6039046	20	3 4.2	19.8
182351 2001 QF_{44}	17.7	X	357.73542	166.32324	136.97465	2.89216	0.2198008	0.26031128	2.4292603	20	8 30.9	19.2
182352 2001 QH_{45}	17.0	X	350.97008	309.53715	21.23404	0.53570	0.1957454	0.26187876	2.4195570	20	9 26.6	18.9
182353 2001 QG_{47}	17.0	X	8.91890	209.72046	113.60069	2.53482	0.1863916	0.26363399	2.4088058	20	10 22.9	19.3
182354 2001 QJ_{60}	16.2	X	307.89331	132.30249	180.19259	5.92024	0.1335026	0.25180899	2.4836395	20	5 28.2	19.1
182355 2001 QL_{61}	16.9	X	66.21401	118.39770	155.77005	6.92390	0.1483672	0.26662955	2.3907300	20	10 31.7	20.2
182356 2001 QV_{73}	16.1	X	150.85466	137.23996	214.06586	3.59932	0.2649973	0.23068041	2.6330690	20	2 4.7	20.5
182357 2001 QQ_{91}	16.4	X	275.52982	128.24305	213.98387	3.37211	0.1488429	0.25047636	2.4924410	20	5 18.8	19.7
182358 2001 QJ_{98}	15.7	X	37.96351	92.15596	201.76214	3.31488	0.1765945	0.26519689	2.3993325	20	10 24.5	18.6
182359 2001 QD_{114}	16.4	X	36.01123	138.26165	183.74966	7.96538	0.2469380	0.26783134	2.3835730	20	12 9.6	19.7
182360 2001 QU_{115}	15.7	X	346.91346	207.75332	199.08501	7.69002	0.2157341	0.21420791	2.7663834	20	12 26.4	18.7
182361 2001 QN_{120}	16.4	X	290.93609	170.22214	181.90116	7.31416	0.2773998	0.25591819	2.4569818	20	6 2.9	19.4
182362 2001 QZ_{122}	16.5	X	305.14648	297.23361	53.90038	3.86900	0.1186270	0.25700548	2.4500473	20	7 23.4	19.0
182363 2001 QW_{124}	17.1	X	9.89421	284.36671	37.84315	2.82270	0.2093034	0.26334534	2.4105656	20	10 25.6	19.4
182364 2001 QD_{125}	15.6	X	98.40475	207.46325	147.78448	16.09248	0.1037729	0.22664935	2.6641974	20	—	—
182365 2001 QK_{127}	15.7	X	69.15569	205.84389	172.79263	15.23616	0.1800310	0.22553399	2.6729739	20	—	—
182366 2001 QC_{136}	15.6	X	90.08202	171.06601	211.69247	11.61999	0.1852448	0.22477440	2.6789924	20	—	—
182367 2001 QY_{143}	16.1	X	317.14037	252.24538	165.86186	7.82705	0.2195607	0.21140391	2.7907914	20	11 8.1	18.7
182368 2001 QD_{145}	16.4	X	120.66027	32.97920	297.82957	1.84600	0.1109251	0.22576057	2.6711851	20	—	—
182369 2001 QD_{156}	16.5	X	130.11976	218.00265	170.47246	9.37925	0.1249730	0.23521580	2.5991124	20	2 15.3	20.2
182370 2001 QK_{156}	16.2	X	139.86233	179.45776	176.20233	7.91568	0.2045515	0.23236818	2.6203036	20	1 25.4	20.3
182371 2001 QR_{161}	16.8	X	43.10293	187.24871	104.94469	3.92830	0.1915779	0.26485319	2.4014078	20	11 1.6	19.8
182372 2001 QJ_{180}	16.8	X	348.48553	193.70413	131.72676	3.57427	0.1929761	0.25887429	2.4382418	20	9 11.8	18.5
182373 2001 QY_{181}	16.0	X	229.76418	284.03948	81.63687	6.71791	0.2412494	0.24494782	2.5298047	20	4 23.9	20.2
182374 2001 QY_{182}	15.8	X	199.27382	298.65364	77.72224	7.77123	0.2370116	0.24334484	2.5409022	20	4 13.9	20.3
182375 2001 QJ_{183}	16.1	X	229.36209	293.39669	332.39961	11.86441	0.1706132	0.23620804	2.5918285	20	—	—
182376 2001 QU_{192}	15.6	X	208.92728	87.65824	241.96151	9.07232	0.1567148	0.23838051	2.5760575	20	2 19.1	20.0
182377 2001 QW_{196}	16.9	X	328.94522	106.27582	213.54519	2.44382	0.1873680	0.25652656	2.4530957	20	7 11.8	18.8
182378 2001 QW_{198}	15.9	X	159.79671	167.59814	203.61035	9.44498	0.1461613	0.23196084	2.6233703	20	2 25.9	20.1
182379 2001 QX_{215}	16.4	X	214.22314	166.04253	149.87901	3.88149	0.2055814	0.23852282	2.5750328	20	2 10.6	20.9
182380 2001 QR_{230}	16.1	X	240.04775	124.35338	194.12372	9.53564	0.1007331	0.24266634	2.5456363	20	3 11.3	20.0
182381 2001 QL_{232}	17.0	X	12.49286	163.81458	166.52846	5.01069	0.2088026	0.26394632	2.4069052	20	11 12.5	19.5
182382 2001 QT_{240}	16.6	X	201.97720	161.39632	165.12921	4.70506	0.1958332	0.23750567	2.5823795	20	2 13.0	20.8
182383 2001 QJ_{241}	16.4	X	83.79561	216.81510	161.35789	2.50326	0.1702326	0.22514288	2.6760686	20	—	—
182384 2001 QR_{243}	15.7	X	43.82330	202.42947	186.15310	9.67500	0.2904469	0.21949056	2.7218164	20	—	—
182385 2001 QA_{244}	15.5	X	36.92054	215.66939	174.27949	9.98405	0.2097271	0.21878844	2.7276363	20	—	—
182386 2001 QF_{253}	16.3	X	16.21825	277.33957	101.89219	4.42554	0.2037364	0.21652895	2.7465788	20	—	—
182387 2001 QQ_{254}	16.0	X	130.23341	298.36984	33.67037	6.51678	0.1226486	0.22935770	2.6431826	20	—	—
182388 2001 QT_{254}	16.4	X	233.06413	187.27371	121.72098	4.14803	0.1378719	0.24099990	2.5573577	20	2 21.6	20.2
182389 2001 QY_{255}	16.9	X	331.13649	259.62874	41.39093	2.77922	0.1903830	0.25492028	2.4633897	20	6 15.2	18.9
182390 2001 QD_{261}	15.7	X	173.08190	5.06514	325.94969	11.14634	0.0705831	0.23199067	2.6231454	20	1 20.7	19.6
182391 2001 QD_{266}	15.7	X	77.86880	111.15429	180.24416	12.54371	0.1801524	0.27114447	2.3641165	20	12 7.6	19.5
182392 2001 QB_{269}	15.7	X	179.43752	296.97640	57.87907	6.91130	0.3093655	0.23514608	2.5996261	20	3 6.7	20.5
182393 2001 QG_{272}	15.7	X	141.69723	285.26671	349.72295	12.67744	0.1775089	0.22522962	2.6753815	20	—	—
182394 2001 QD_{279}	15.8	X	129.06723	314.07774	66.73482	7.17667	0.1292274	0.23394602	2.6085086	20	2 9.2	19.6
182395 2001 QL_{280}	16.0	X	352.86123	264.58071	31.57578	7.80357	0.1940394	0.25672590	2.4518257	20	8 5.9	18.0
182396 2001 QF_{287}	16.6	X	175.95232	6.46783	297.91929	3.61372	0.2502560	0.23237186	2.6202759	20	1 1.0	21.2
182397 2001 QW_{297}	5.9	X	68.32221	109.97172	140.93361	16.99105	0.2376825	0.00262593	52.0332319	20	9 11.6	22.9
182398 2001 QK_{333}	16.3	X	218.96581	303.67743	25.61691	14.89791	0.2269624	0.24154549	2.5535053	20	3 7.1	20.8
182399 2001 RX	15.6	X	73.15516	196.14334	188.12284	6.88014	0.3069101	0.22384646	2.6863910	20	—	—
182400 2001 RZ_{1}	16.1	X	161.38635	6.92758	342.63400	12.94319	0.0464186	0.23394034	2.6085508	20	1 29.6	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
182401 2001 RT_{15}	15.8	X	168.37298	160.48895	221.02402	4.46519	0.2539846	0.18758386	3.0223104	20	3 26.1	21.1
182402 2001 RQ_{18}	15.9	X	16.92054	225.61135	164.87538	13.95633	0.2093274	0.21814731	2.7329780	20	—	—
182403 2001 RK_{24}	17.0	X	140.80652	121.37217	225.80011	0.62135	0.2108257	0.23139803	2.6276223	20	1 18.3	21.0
182404 2001 RE_{32}	16.1	X	39.31329	14.01370	256.24260	4.09316	0.1781090	0.26205662	2.4184621	20	9 20.4	18.9
182405 2001 RW_{35}	16.3	X	165.11532	334.18654	330.73442	13.50750	0.1557969	0.23056063	2.6339808	20	—	—
182406 2001 RB_{38}	16.2	X	80.28397	239.61699	170.99723	4.60062	0.0720818	0.23067135	2.6331379	20	1 3.9	19.4
182407 2001 RD_{48}	16.4	X	181.28085	197.82259	186.73699	8.74936	0.1673481	0.23933306	2.5692178	20	4 6.1	20.5
182408 2001 RS_{53}	16.7	X	159.47360	320.93514	53.90827	2.47817	0.1618174	0.23741574	2.5830315	20	3 5.7	20.7
182409 2001 RC_{56}	16.1	X	89.11353	307.39726	101.04284	3.52087	0.1261477	0.23065725	2.6332453	20	1 22.1	19.1
182410 2001 RB_{59}	16.1	X	355.05628	39.45217	23.13068	9.35996	0.1793080	0.21736280	2.7395500	20	—	—
182411 2001 RU_{60}	16.2	X	332.35078	247.49603	147.78941	8.33108	0.2323337	0.20977301	2.8052375	20	11 10.8	18.8
182412 2001 RJ_{65}	15.8	X	147.25925	174.87748	203.88879	12.73251	0.1583851	0.23415638	2.6069461	20	2 22.9	20.0
182413 2001 RL_{66}	16.3	X	224.33251	119.70773	204.95965	9.45339	0.1843346	0.23957976	2.5674538	20	2 27.2	20.7
182414 2001 RZ_{73}	15.7	X	112.69890	340.69768	355.88127	15.24688	0.1238883	0.22330418	2.6907384	20	—	—
182415 2001 RZ_{75}	15.5	X	175.33918	161.70738	204.45555	12.39844	0.1900941	0.23410644	2.6073168	20	3 7.0	20.0
182416 2001 RR_{78}	15.3	X	135.64263	155.26296	193.51380	13.75741	0.1972096	0.22607346	2.6687199	20	1 12.2	19.6
182417 2001 RL_{81}	16.7	X	227.52941	309.03023	20.92690	2.07803	0.2280183	0.24125554	2.5555508	20	3 8.7	21.1
182418 2001 RW_{88}	15.8	X	153.49772	321.14319	8.21483	14.06898	0.1779237	0.22998522	2.6383724	20	1 8.7	20.1
182419 2001 RV_{98}	16.9	X	213.89632	194.12686	150.30456	7.07400	0.1803689	0.24278720	2.5447914	20	3 17.1	21.0
182420 2001 RQ_{99}	15.9	X	69.39901	29.31221	356.89104	8.18818	0.2337323	0.22521289	2.6755139	20	—	—
182421 2001 RC_{103}	15.4	X	119.78210	66.21874	333.77707	3.35020	0.0378453	0.18394921	3.0619923	20	2 14.1	19.6
182422 2001 RF_{104}	17.0	X	188.24822	173.39315	173.09290	1.55538	0.1568201	0.23854466	2.5748756	20	2 24.9	21.1
182423 2001 RR_{104}	15.5	X	174.12662	313.40729	59.84438	5.18977	0.1361278	0.18654981	3.0334686	20	3 21.0	20.4
182424 2001 RN_{113}	15.4	X	83.93507	297.28148	147.79988	5.98406	0.2265181	0.18050185	3.1008561	20	3 24.8	19.6
182425 2001 RR_{114}	16.2	X	57.66755	239.99220	144.75858	5.88197	0.0797871	0.22342521	2.6897666	20	—	—
182426 2001 RL_{118}	16.9	X	279.49029	259.10267	24.07340	1.94476	0.0997553	0.24307072	2.5428122	20	3 13.5	20.2
182427 2001 RS_{120}	16.3	X	89.56253	292.52939	135.00140	3.37382	0.1030444	0.23316802	2.6143079	20	2 12.7	19.4
182428 2001 RS_{126}	16.4	X	137.50763	204.22928	144.44056	8.31117	0.1901832	0.23038967	2.6352837	20	1 14.3	20.3
182429 2001 RZ_{129}	16.6	X	173.60074	319.63089	21.78729	3.36815	0.1169664	0.23455636	2.6039815	20	2 5.1	20.5
182430 2001 RF_{131}	16.4	X	102.17663	259.49052	147.37989	3.87394	0.0838094	0.23201195	2.6229850	20	1 30.8	19.9
182431 2001 RD_{132}	16.0	X	136.63035	8.93462	9.08559	12.29145	0.1095857	0.23339885	2.6125839	20	2 14.2	19.9
182432 2001 RJ_{134}	16.3	X	314.08196	344.35156	82.99211	3.58175	0.2196636	0.21113129	2.7931933	20	11 12.8	18.8
182433 2001 RR_{134}	16.7	X	262.82902	229.51710	115.04407	4.44398	0.1706006	0.24806317	2.5085794	20	5 4.7	20.3
182434 2001 RH_{136}	16.0	X	61.62910	321.93900	46.28871	6.84951	0.1282425	0.22073551	2.7115727	20	—	—
182435 2001 RE_{140}	16.2	X	13.58670	6.53229	22.03706	6.58739	0.0735728	0.21671306	2.7450231	20	12 26.9	19.9
182436 2001 SJ_{1}	16.4	X	180.89635	349.54460	346.60227	5.12717	0.2338899	0.23476365	2.6024485	20	2 10.5	20.9
182437 2001 SS_{11}	16.1	X	354.97969	225.43799	348.02878	13.53864	0.0889745	0.24410400	2.5356314	20	3 26.3	19.0
182438 2001 SO_{15}	16.5	X	100.35011	348.85014	37.74735	2.43538	0.1082952	0.22882816	2.6472588	20	1 7.2	19.8
182439 2001 SS_{17}	16.2	X	112.95223	350.56454	85.18880	2.13561	0.0337820	0.23784592	2.5799161	20	3 15.7	19.5
182440 2001 SB_{19}	15.7	X	122.02336	171.70990	172.59813	9.27831	0.1057818	0.22645447	2.6657257	20	—	—
182441 2001 SB_{21}	16.2	X	131.18002	341.12261	59.78301	4.36441	0.1716908	0.23332290	2.6131508	20	3 12.2	20.1
182442 2001 SD_{24}	15.8	X	351.76466	77.27261	357.79620	9.10056	0.1651069	0.21762280	2.7373676	20	—	—
182443 2001 SB_{26}	16.8	X	351.84373	105.57269	175.50879	2.44534	0.1664637	0.25274906	2.4774773	20	7 2.8	18.8
182444 2001 SQ_{26}	16.2	X	239.37430	95.62481	184.32835	3.05581	0.0243224	0.23375902	2.6098996	20	1 29.4	19.8
182445 2001 SD_{30}	12.8	X	238.76533	155.64951	192.13790	17.28445	0.0585312	0.08450533	5.1429619	20	4 30.3	19.9
182446 2001 SC_{31}	15.8	X	0.26209	345.67641	22.77751	8.65875	0.2312876	0.21089022	2.7953214	20	11 28.4	18.8
182447 2001 SL_{31}	15.5	X	318.91866	151.50562	19.47690	15.58703	0.0672228	0.22813333	2.6526313	20	—	—
182448 2001 SP_{38}	16.1	X	181.13233	133.29269	185.85653	13.50144	0.1172045	0.23085494	2.6317417	20	1 13.8	20.4
182449 2001 SW_{40}	15.7	X	7.73363	49.87384	25.57220	12.97808	0.1450453	0.21885423	2.7270897	20	—	—
182450 2001 SJ_{46}	16.1	X	167.20521	222.42602	106.00815	4.01430	0.1281095	0.23091422	2.6312913	20	1 14.1	19.9
182451 2001 SG_{50}	16.3	X	135.12654	242.46737	122.24083	5.09042	0.2287818	0.23023163	2.6364896	20	2 5.4	20.3
182452 2001 SJ_{50}	15.2	X	291.20503	77.37151	34.38545	15.82076	0.1943815	0.21205418	2.7850831	20	11 26.3	18.4
182453 2001 SB_{53}	16.1	X	120.23555	335.90820	23.57557	12.46201	0.1963475	0.22700568	2.6614087	20	1 13.3	20.1
182454 2001 SV_{62}	15.6	X	25.82445	3.22789	8.17703	7.55419	0.3030474	0.21349403	2.7725468	20	—	—
182455 2001 SO_{63}	17.2	X	256.60761	119.03109	17.43990	21.82160	0.0250863	0.37121626	1.9174235	20	—	—
182456 2001 SG_{64}	16.1	X	2.27379	230.99625	170.59536	5.25241	0.1662234	0.21320836	2.7750228	20	—	—
182457 2001 SO_{64}	16.5	X	148.92208	176.78212	172.48049	5.09864	0.3075367	0.23045294	2.6348014	20	2 4.2	21.0
182458 2001 SF_{69}	15.7	X	189.09720	185.97517	194.69363	15.10852	0.1902911	0.23767885	2.5811250	20	4 8.2	20.0
182459 2001 SZ_{72}	15.5	X	134.80409	312.05847	55.75437	12.62099	0.2020688	0.22779997	2.6552185	20	2 10.9	19.8
182460 2001 SC_{81}	16.3	X	141.29034	184.18775	221.19946	3.62998	0.1001733	0.23973503	2.5663451	20	3 17.0	20.0
182461 2001 SK_{81}	16.0	X	108.54898	246.65242	172.05002	9.16285	0.1347400	0.23610882	2.5925546	20	2 29.9	19.6
182462 2001 SY_{82}	17.1	X	20.43038	80.57523	196.94743	2.07142	0.1805654	0.25913054	2.4366341	20	8 31.7	19.4
182463 2001 SK_{85}	16.5	X	48.08058	169.02450	195.90550	5.94643	0.0428370	0.22000230	2.7175940	20	—	—
182464 2001 SH_{88}	15.8	X	139.30701	329.47866	346.89132	14.79788	0.1132449	0.22711399	2.6605625	20	—	—
182465 2001 SF_{91}	16.1	X	349.23365	201.27099	194.46685	5.87451	0.0062245	0.21547404	2.7555359	20	11 26.8	19.9
182466 2001 SF_{92}	16.7	X	119.72051	72.43829	279.71953	1.57722	0.1388817	0.22812845	2.6526691	20	—	—
182467 2001 SO_{92}	16.4	X	250.22422	322.02550	334.98724	4.33224	0.0403833	0.23971510	2.5664873	20	3 2.6	19.7
182468 2001 SP_{93}	16.0	X	2.43996	226.58018	346.05356	6.95391	0.1489806	0.24479288	2.5308721	20	4 5.3	18.4
182469 2001 SD_{96}	16.9	X	249.44380	333.39767	347.16690	3.70123	0.0230045	0.24248780	2.5468857	20	4 2.5	20.2
182470 2001 SR_{97}	16.2	X	94.10893	23.62779	344.14397	4.93270	0.1086726	0.22582658	2.6706646	20	—	—
182471 2001 SS_{101}	15.9	X	107.84803	164.24739	204.99618	8.09229	0.1359935	0.22716392	2.6601726	20	—	—
182472 2001 SF_{102}	15.8	X	272.01669	250.81740	219.31133	3.43481	0.2199210	0.21042530	2.7994373	20	10 21.0	19.1
182473 2001 SE_{105}	16.3	X	205.19473	74.02765	254.65363	4.16880	0.1856396	0.23670145	2.5882254	20	2 17.1	20.7
182474 2001 SA_{110}	16.0	X	167.60965	304.81030	11.01718	11.96204	0.3028111	0.22892902	2.6464812	20	1 13.6	20.9
182475 2001 SL_{115}	17.0	X	292.92358	252.83864	208.74223	20.63781	0.0974702	0.36857369	1.9265776	20	—	—
182476 2001 SD_{116}	15.5	X	23.84873	234.82925	142.89228	8.51423	0.2317022	0.21397089	2.7684260	20	—	—
182477 2001 SB_{118}	16.1	X	229.45690	69.62719	238.84587	6.43237	0.0278506	0.23805786	2.5783846	20	2 19.5	19.8
182478 2001 SM_{121}	16.1	X	185.68702	19.87250	303.19213	4.37551	0.2620683	0.23504206	2.6003930	20	1 29.6	20.7
182479 2001 SJ_{130}	15.7	X	159.62537	206.97564	208.59864	1.74042	0.1135769	0.18831414	3.0144918	20	4 23.5	20.3
182480 2001 SQ_{130}	17.1	X	281.63163	297.67218	355.67109	6.64656	0.1987104	0.24522713	2.5278834	20	3 15.2	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
182481 2001 SG_{136}	15.9	X	277.70761	270.97861	195.29501	10.16064	0.1566755	0.21115544	2.7929802	20	11 5.5	19.3
182482 2001 SJ_{137}	16.7	X	117.36841	199.01558	193.44445	4.82007	0.2129513	0.23084208	2.6318395	20	2 17.6	20.5
182483 2001 SB_{141}	16.3	X	173.00968	170.15788	187.64242	9.79230	0.1256566	0.23517541	2.5994099	20	2 21.6	20.3
182484 2001 SA_{142}	16.7	X	220.77648	87.95760	234.74371	3.15184	0.0869242	0.23879661	2.5730642	20	2 26.3	20.5
182485 2001 SW_{142}	16.0	X	176.32703	303.98820	344.95130	13.49339	0.0937544	0.22758740	2.6568716	20	—	—
182486 2001 SY_{143}	16.7	X	12.19471	200.45246	214.67996	4.17571	0.1065810	0.21949214	2.7218033	20	—	—
182487 2001 SK_{158}	12.5	X	269.60363	105.28868	198.61386	22.99880	0.0586342	0.08394436	5.1658487	20	4 12.9	19.3
182488 2001 SO_{158}	16.2	X	318.03567	73.90622	357.45507	12.80014	0.1730746	0.21170906	2.7881090	20	11 24.1	19.3
182489 2001 SU_{158}	15.1	X	330.49328	103.37152	342.47602	8.75857	0.1347047	0.21446955	2.7641332	20	—	—
182490 2001 SU_{164}	15.4	X	318.34414	58.88466	21.07239	13.86543	0.2086722	0.21073503	2.7966936	20	12 7.5	18.2
182491 2001 SN_{165}	16.4	X	56.43081	266.62184	130.75171	3.20021	0.0874549	0.22517004	2.6758534	20	—	—
182492 2001 SO_{173}	16.0	X	194.93096	328.32554	25.97724	14.03447	0.0717358	0.23710731	2.5852711	20	3 16.3	19.9
182493 2001 SK_{174}	16.5	X	66.50722	200.78563	144.97157	4.15294	0.1161401	0.21854489	2.7296625	20	—	—
182494 2001 SQ_{181}	15.8	X	9.29501	281.67774	153.82439	13.62903	0.1684154	0.22346893	2.6894158	20	—	—
182495 2001 SA_{190}	17.3	X	10.63956	98.02744	173.70937	0.69699	0.1884201	0.25649322	2.4533083	20	8 3.2	19.2
182496 2001 SL_{196}	16.8	X	45.03470	274.41638	164.49750	1.82744	0.0980268	0.22792623	2.6542379	20	—	—
182497 2001 SL_{200}	15.6	X	54.69926	219.86257	170.10766	5.25729	0.1422545	0.17036333	3.2226908	20	—	—
182498 2001 SV_{203}	16.4	X	47.96303	265.70450	147.80499	3.95633	0.1031838	0.22460505	2.6803389	20	—	—
182499 2001 SF_{207}	16.4	X	2.23828	278.33421	12.58779	14.46551	0.2049100	0.25698220	2.4501952	20	8 26.0	18.6
182500 2001 ST_{212}	16.1	X	281.42493	315.88256	160.69285	5.17096	0.0571349	0.21528198	2.7571746	20	12 7.3	19.6
182501 2001 SH_{219}	16.4	X	202.61256	288.72386	8.56837	1.82085	0.0832730	0.23198158	2.6232140	20	1 9.8	20.3
182502 2001 SQ_{224}	16.6	X	260.19763	235.80742	53.62565	3.59184	0.1498777	0.24006914	2.5639634	20	2 24.3	20.4
182503 2001 SQ_{242}	16.0	X	3.53070	286.07340	106.43117	3.79820	0.0940627	0.21433569	2.7652838	20	12 19.8	19.3
182504 2001 SP_{245}	16.0	X	101.12372	182.97378	196.48765	8.92561	0.0535595	0.22521897	2.6754658	20	—	—
182505 2001 SW_{245}	16.5	X	187.56380	133.64169	189.76083	1.81486	0.0834154	0.23114204	2.6295620	20	1 25.3	20.3
182506 2001 SL_{251}	12.4	X	275.15007	273.08711	36.01867	9.02212	0.1156049	0.08339640	5.1884525	20	4 17.9	19.3
182507 2001 SN_{251}	16.1	X	306.54720	70.07967	24.03744	15.48799	0.1428752	0.21143715	2.7904989	20	12 5.2	19.5
182508 2001 SA_{253}	16.7	X	242.64379	247.95559	89.24790	2.24409	0.1464342	0.24158716	2.5532117	20	4 5.7	20.5
182509 2001 SV_{255}	16.1	X	130.51098	185.72726	162.49304	5.85929	0.3194383	0.22667875	2.6639670	20	1 20.9	20.5
182510 2001 SZ_{255}	16.1	X	212.91248	240.69733	40.88398	8.47998	0.1097652	0.22926366	2.6439054	20	1 1.9	20.3
182511 2001 SC_{258}	15.7	X	354.90535	80.56556	13.58894	21.84350	0.0903373	0.22202591	2.7010561	20	—	—
182512 2001 SL_{268}	16.1	X	94.16170	184.73482	180.16874	5.57996	0.2579135	0.22242873	2.6977941	20	—	—
182513 2001 SM_{269}	16.5	X	297.78152	53.53896	201.38909	2.94382	0.0279445	0.23802226	2.5786417	20	3 9.7	19.9
182514 2001 SH_{274}	16.2	X	67.34220	336.65446	15.52681	6.11520	0.0714367	0.21834060	2.7313649	20	—	—
182515 2001 SS_{276}	16.8	X	64.64562	140.94964	215.38384	20.06862	0.0824489	0.37513177	1.9040579	20	—	—
182516 2001 SK_{293}	13.6	X	231.96882	172.68097	173.86373	11.23769	0.0634951	0.08593608	5.0857190	20	4 21.8	20.6
182517 2001 SC_{294}	16.4	X	230.61218	40.63621	48.36200	2.03570	0.1756698	0.20116183	2.8847333	20	8 10.7	20.7
182518 2001 SL_{314}	16.5	X	236.62657	136.00181	211.72924	10.28922	0.1523504	0.24451229	2.5328079	20	4 10.5	20.5
182519 2001 ST_{317}	15.8	X	344.65379	264.84282	193.22852	14.42810	0.1888146	0.21729826	2.7400925	20	—	—
182520 2001 SU_{320}	16.2	X	214.90674	143.21304	184.38180	9.33470	0.0555703	0.23584868	2.5944606	20	2 27.2	20.0
182521 2001 SU_{327}	16.8	X	195.16913	189.65619	152.09144	7.79715	0.1634181	0.23736347	2.5834107	20	2 25.9	20.9
182522 2001 SZ_{337}	13.4	X	218.40085	3.41236	339.09984	3.53683	0.0874063	0.08230897	5.2340510	20	3 30.5	20.7
182523 2001 SK_{339}	15.9	X	87.79203	293.22029	47.73995	4.15067	0.0708034	0.22269157	2.6956708	20	—	—
182524 2001 SN_{342}	16.9	X	244.11799	134.49863	180.78963	3.96110	0.1192771	0.24023356	2.5627934	20	3 11.6	20.8
182525 2001 SX_{349}	16.3	X	159.22513	227.88216	133.58915	4.97634	0.0718963	0.23284153	2.6167512	20	2 10.3	20.1
182526 2001 SH_{353}	16.4	X	204.66882	124.70674	172.10343	4.90404	0.0541510	0.22945974	2.6423989	20	1 10.3	20.3
182527 2001 TW_{6}	15.8	X	342.61789	268.72809	183.80958	13.73034	0.0304778	0.21867307	2.7285956	20	—	—
182528 2001 TY_{9}	16.3	X	158.52006	152.99753	183.60131	6.12034	0.1260349	0.22961127	2.6412362	20	1 14.1	20.3
182529 2001 TE_{10}	16.1	X	21.33654	198.15748	209.62709	7.32684	0.1387740	0.21742013	2.7390684	20	—	—
182530 2001 TT_{10}	15.6	X	227.61857	263.78461	22.51824	12.59842	0.1278439	0.23230458	2.6207818	20	1 24.4	19.9
182531 2001 TO_{22}	16.3	X	330.59001	219.99599	173.00117	4.90119	0.1193025	0.20859149	2.8158207	20	10 30.3	19.4
182532 2001 TU_{23}	16.3	X	197.84825	56.93923	268.55619	1.17775	0.1118232	0.23318695	2.6141663	20	2 7.9	20.4
182533 2001 TA_{24}	15.9	X	332.00983	57.14507	355.17292	9.05973	0.2199150	0.21074851	2.7965744	20	11 29.4	18.6
182534 2001 TM_{25}	15.7	X	155.38165	1.12864	356.85107	11.78780	0.0695122	0.23109504	2.6299186	20	2 5.3	19.5
182535 2001 TL_{29}	15.3	X	358.31519	278.76693	204.52062	2.84876	0.0759739	0.17188411	3.2036537	20	—	—
182536 2001 TN_{31}	15.8	X	242.56743	315.52805	17.65032	13.64183	0.1905700	0.23999329	2.5645036	20	3 28.8	19.9
182537 2001 TH_{35}	15.4	X	64.60464	19.12588	33.20318	14.19660	0.1030537	0.22118198	2.7079225	20	—	—
182538 2001 TO_{39}	15.6	X	42.95301	355.23317	32.41567	10.77755	0.1217371	0.21441971	2.7645614	20	—	—
182539 2001 TS_{45}	16.7	X	238.80263	328.28783	91.32342	24.70635	0.1023868	0.35494709	1.9755755	20	8 4.4	19.2
182540 2001 TS_{49}	15.8	X	130.63401	339.77361	39.42758	15.32589	0.0911435	0.23125200	2.6287284	20	2 8.5	19.8
182541 2001 TP_{51}	12.7	X	293.03531	124.24267	181.40646	8.62969	0.0415547	0.08553129	5.1017521	20	5 14.8	19.5
182542 2001 TH_{57}	16.4	X	90.41063	140.38282	202.96656	5.83247	0.0430435	0.21992760	2.7182093	20	—	—
182543 2001 TQ_{62}	15.9	X	208.79747	128.68804	206.69511	13.19854	0.1312174	0.23609745	2.5926378	20	2 26.8	20.2
182544 2001 TF_{64}	16.3	X	338.86096	118.61095	287.30812	1.49590	0.1907524	0.20994607	2.8036957	20	12 4.9	19.1
182545 2001 TQ_{73}	15.6	X	241.37769	51.53226	47.89966	11.12751	0.1282844	0.20181964	2.8784615	20	9 15.7	19.9
182546 2001 TE_{82}	15.7	X	176.60120	100.99902	243.89905	6.44867	0.2060076	0.23477822	2.6023408	20	2 12.6	20.1
182547 2001 TK_{83}	16.2	X	249.05380	94.54918	216.98413	9.76749	0.0614000	0.23969978	2.5665966	20	3 15.1	19.9
182548 2001 TS_{83}	13.2	X	253.72413	95.29289	226.88118	9.47818	0.0450782	0.08464727	5.1372111	20	4 16.2	20.1
182549 2001 TG_{86}	16.3	X	207.22865	34.72643	284.30205	2.30946	0.1735568	0.23584179	2.5945112	20	2 8.7	20.6
182550 2001 TS_{86}	16.3	X	202.32450	342.92846	334.05315	2.16713	0.0317723	0.23288685	2.6164116	20	2 1.8	19.7
182551 2001 TP_{89}	16.8	X	318.77466	110.24778	310.06268	3.18910	0.1979778	0.20964523	2.8063773	20	11 11.4	19.5
182552 2001 TA_{100}	16.2	X	61.95239	20.54780	352.80814	5.39145	0.0528637	0.21882584	2.7273255	20	—	—
182553 2001 TW_{100}	16.1	X	156.11107	147.76995	206.40623	11.52372	0.2188066	0.23048343	2.6345690	20	2 6.8	20.6
182554 2001 TO_{111}	16.3	X	145.47198	76.55095	283.86671	2.70951	0.1187176	0.22923254	2.6441446	20	1 29.4	20.2
182555 2001 TZ_{112}	16.7	X	116.42135	82.84153	277.22313	2.66274	0.1189636	0.22519058	2.6756907	20	—	—
182556 2001 TD_{113}	16.1	X	17.52216	32.04281	2.49526	6.10362	0.0205519	0.21465484	2.7625422	20	—	—
182557 2001 TW_{114}	15.7	X	95.29429	352.59234	25.09710	14.56782	0.1766705	0.22310252	2.6923596	20	—	—
182558 2001 TX_{115}	15.4	X	5.92505	7.96449	36.94237	15.30675	0.1706266	0.21234968	2.7824987	20	—	—
182559 2001 TM_{126}	16.6	X	339.01865	243.10276	197.86100	1.12169	0.0514965	0.21761039	2.7374717	20	—	—
182560 2001 TE_{129}	16.8	X	139.96521	118.35934	221.08663	0.50026	0.1485894	0.22644564	2.6657949	20	1 2.0	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
182561 2001 TG_{130}	16.0	X	130.32621	93.25213	210.58605	5.94791	0.0476364	0.21876959	2.7277930	20	—	—
182562 2001 TK_{138}	16.3	X	225.83543	277.94307	51.73189	4.76883	0.0944764	0.24187560	2.5511814	20	3 14.6	20.0
182563 2001 TA_{139}	15.5	X	52.05420	23.51116	20.78537	15.67741	0.1155550	0.22486175	2.6782986	20	—	—
182564 2001 TL_{139}	16.8	X	194.04626	323.76708	33.71036	9.45139	0.1626953	0.23985385	2.5654974	20	3 18.2	21.0
182565 2001 TN_{145}	16.3	X	220.86141	260.42303	83.90481	5.52399	0.1440353	0.24029757	2.5623383	20	3 26.3	20.3
182566 2001 TT_{145}	16.3	X	78.97253	285.65585	66.51199	7.30309	0.0489685	0.21949098	2.7218129	20	—	—
182567 2001 TQ_{146}	16.4	X	337.80666	308.46892	92.28653	5.26884	0.1045901	0.21077709	2.7963215	20	11 21.8	19.6
182568 2001 TS_{148}	16.0	X	354.48444	258.79233	160.47948	6.97847	0.0363536	0.21551887	2.7551538	20	—	—
182569 2001 TN_{149}	16.4	X	151.26463	198.40002	149.23104	6.52140	0.1019217	0.22930790	2.6435653	20	1 18.0	20.3
182570 2001 TG_{151}	16.1	X	25.20470	249.06807	122.01473	5.00976	0.0941802	0.21326452	2.7745356	20	12 22.3	19.7
182571 2001 TP_{156}	16.3	X	313.62358	119.48336	35.43385	4.23231	0.1483759	0.22222227	2.6994647	20	—	—
182572 2001 TM_{158}	16.1	X	19.04585	30.44233	9.71587	11.58259	0.1033930	0.21869410	2.7284207	20	—	—
182573 2001 TF_{160}	16.2	X	179.50899	249.45075	111.36149	6.29548	0.2897205	0.23578011	2.5949636	20	3 12.2	20.9
182574 2001 TR_{164}	16.2	X	110.62554	323.08652	37.11976	4.22780	0.1044756	0.22409125	2.6844343	20	—	—
182575 2001 TC_{173}	16.0	X	13.15710	249.56041	172.39112	2.76336	0.0781332	0.21646274	2.7471389	20	—	—
182576 2001 TW_{174}	16.4	X	237.33423	256.68139	136.47613	2.93275	0.1669582	0.19502423	2.9449437	20	6 8.4	21.0
182577 2001 TB_{175}	16.6	X	76.28006	293.82902	43.25173	5.69041	0.1213040	0.21762446	2.7373536	20	—	—
182578 2001 TF_{175}	15.8	X	139.65050	194.51350	204.68450	13.05458	0.1660439	0.23714153	2.5850224	20	3 12.9	19.8
182579 2001 TK_{176}	16.9	X	209.87714	89.82349	230.33360	0.49729	0.1218972	0.23555135	2.5966434	20	2 13.0	20.8
182580 2001 TA_{177}	16.4	X	319.51820	127.20746	327.62915	4.17689	0.0091205	0.21669834	2.7451473	20	—	—
182581 2001 TA_{187}	16.6	X	10.15208	142.80536	268.91176	1.72200	0.0712538	0.21565521	2.7539925	20	—	—
182582 2001 TK_{192}	15.9	X	140.62857	313.03154	29.92219	12.48687	0.1864223	0.22645414	2.6657282	20	1 13.5	20.1
182583 2001 TH_{198}	16.6	X	228.68714	259.44217	59.82038	6.29648	0.2787373	0.24111445	2.5565477	20	2 26.6	21.2
182584 2001 TO_{207}	15.9	X	163.43835	18.96148	356.52185	2.22059	0.0949774	0.18277210	3.0751251	20	3 9.6	20.6
182585 2001 TB_{219}	15.9	X	358.59080	271.53686	143.20542	9.21450	0.1858742	0.21388496	2.7691675	20	—	—
182586 2001 TB_{224}	16.8	X	253.46178	315.91139	1.98197	5.53698	0.2478753	0.24175570	2.5520248	20	3 14.1	20.8
182587 2001 TX_{224}	16.0	X	327.93684	60.21690	357.55397	4.68000	0.0487260	0.20933941	2.8091098	20	11 24.6	19.7
182588 2001 TA_{226}	15.4	X	159.17717	214.50990	125.86493	13.98892	0.1875606	0.23218713	2.6216655	20	1 25.1	19.5
182589 2001 TV_{230}	15.6	X	61.37515	161.99351	138.18616	9.69013	0.1113086	0.21195170	2.7859808	20	11 14.2	19.7
182590 2001 TA_{245}	17.0	X	3.56941	128.75538	278.61236	1.01796	0.0801697	0.21743614	2.7389340	20	—	—
182591 2001 TG_{247}	16.7	X	175.64127	85.90050	168.75421	4.86509	0.0583947	0.22145103	2.7057287	20	—	—
182592 Jolana	16.2	X	267.76523	92.29688	142.28644	6.68443	0.0694700	0.23175802	2.6249007	20	1 2.8	19.9
182593 2001 UL_{1}	16.1	X	294.96719	176.77744	31.70814	2.58136	0.0558217	0.22823688	2.6518289	20	1 5.1	19.6
182594 2001 UD_{2}	16.9	X	129.97774	265.67650	50.39582	23.19318	0.0761396	0.37908195	1.8908075	20	—	—
182595 2001 UH_{18}	15.9	X	107.18560	181.65389	192.86182	5.07527	0.2220830	0.22472867	2.6793558	20	1 16.9	19.5
182596 2001 US_{21}	16.4	X	357.75663	198.11480	214.74479	20.48853	0.0881310	0.37486807	1.9049507	20	—	—
182597 2001 UE_{28}	15.9	X	25.50048	77.37695	37.09153	12.45791	0.0750932	0.22777015	2.6554503	20	1 8.2	19.3
182598 2001 UA_{32}	16.0	X	130.83191	169.94077	119.20418	6.41758	0.0024989	0.21618518	2.7494898	20	—	—
182599 2001 UE_{33}	16.6	X	239.50273	272.04821	74.03941	8.20392	0.2997508	0.24372444	2.5382632	20	4 5.8	21.1
182600 2001 UL_{35}	15.4	X	313.15425	17.18299	76.42533	15.19951	0.1288015	0.21145812	2.7903144	20	12 19.7	18.4
182601 2001 UF_{41}	16.0	X	145.74910	220.18340	86.47806	4.50302	0.0673778	0.22182260	2.7027063	20	—	—
182602 2001 UC_{43}	15.8	X	343.20513	279.24331	181.80997	6.01091	0.0839909	0.21855335	2.7295920	20	—	—
182603 2001 UF_{43}	16.2	X	166.08560	302.69308	54.70854	5.61819	0.1124279	0.23247301	2.6195158	20	2 18.3	20.2
182604 2001 UK_{47}	16.1	X	196.83844	344.49364	106.33547	0.86803	0.2614185	0.19070323	2.9892623	20	7 7.4	21.4
182605 2001 UM_{47}	16.4	X	213.93104	272.71042	71.49244	4.42692	0.2178763	0.23817110	2.5775673	20	3 17.2	20.8
182606 2001 UU_{47}	15.7	X	201.14414	172.36111	195.32006	14.36957	0.1678878	0.23828846	2.5767209	20	4 2.2	19.7
182607 2001 UN_{48}	16.0	X	270.63302	242.86025	91.76905	7.75986	0.2253025	0.24539396	2.5267375	20	4 25.2	19.7
182608 2001 UN_{49}	15.5	X	141.89488	144.40028	198.68513	14.23203	0.1236874	0.22503323	2.6769378	20	1 4.1	19.7
182609 2001 US_{58}	16.4	X	320.14890	82.45879	3.23547	2.34419	0.0800541	0.21345830	2.7728562	20	12 21.9	19.7
182610 2001 UX_{58}	15.5	X	295.00074	335.66168	213.95157	9.95972	0.0947824	0.22552871	2.6730156	20	—	—
182611 2001 UJ_{59}	16.7	X	188.88581	105.59364	221.76871	2.08502	0.1596578	0.23268678	2.6179112	20	2 2.7	20.8
182612 2001 UX_{60}	16.0	X	4.07759	202.80450	211.86781	3.68707	0.0845476	0.21649129	2.7468974	20	—	—
182613 2001 UJ_{61}	16.0	X	297.15811	228.30517	5.29403	5.38639	0.1043587	0.23418341	2.6067455	20	2 2.2	19.5
182614 2001 UT_{70}	16.2	X	310.68211	166.30685	225.02980	1.31348	0.1699664	0.20372783	2.8604595	20	9 15.1	19.3
182615 2001 UM_{79}	15.9	X	89.06730	177.26954	203.43751	5.67332	0.0299703	0.22272556	2.6953966	20	—	—
182616 2001 UL_{80}	16.3	X	59.34101	23.46819	47.41457	4.53663	0.0637120	0.22492162	2.6778233	20	1 1.1	19.7
182617 2001 UT_{82}	16.6	X	49.25749	300.94002	74.19353	3.21078	0.1589802	0.21610398	2.7501784	20	—	—
182618 2001 UT_{91}	16.1	X	51.68353	237.63546	190.15011	12.98911	0.1552131	0.22260864	2.6963403	20	—	—
182619 2001 UJ_{101}	16.2	X	104.95121	235.07754	142.05719	1.85558	0.1790460	0.17471089	3.1690036	20	1 20.4	20.7
182620 2001 UL_{101}	16.5	X	346.70399	30.45544	28.63191	2.94166	0.0810862	0.21463021	2.7627536	20	12 28.2	19.8
182621 2001 UO_{101}	16.0	X	159.37150	216.31064	133.26072	2.18647	0.1684758	0.17956115	3.1116766	20	2 9.3	21.1
182622 2001 UN_{106}	16.3	X	207.08377	146.30073	172.58507	4.27470	0.0737705	0.23197410	2.6232703	20	2 8.7	20.2
182623 2001 UO_{108}	15.9	X	33.41986	175.84396	200.16267	5.06964	0.0722820	0.21291923	2.7775345	20	—	—
182624 2001 UA_{114}	15.6	X	353.17997	257.80466	216.81355	29.64137	0.1658516	0.21965617	2.7204481	20	—	—
182625 2001 UF_{114}	12.4	X	322.09060	55.82161	218.16848	25.69753	0.0907751	0.08265367	5.2194885	20	5 7.5	19.0
182626 2001 UW_{117}	15.9	X	316.53823	353.58106	46.53466	10.09373	0.1322262	0.20493988	2.8491702	20	10 15.4	19.1
182627 2001 UC_{124}	12.7	X	214.84404	298.20928	71.06560	22.84892	0.0499824	0.08264629	5.2197995	20	5 5.1	19.9
182628 2001 UK_{126}	16.2	X	145.49274	286.51437	146.85015	10.77117	0.2771339	0.18282512	3.0745305	20	5 14.1	21.7
182629 2001 UM_{131}	16.0	X	61.13402	211.16279	193.00475	4.84428	0.0597769	0.22133998	2.7066336	20	—	—
182630 2001 UE_{138}	16.3	X	241.73596	310.76169	137.37628	2.58219	0.1177425	0.20135515	2.8828866	20	8 28.5	20.5
182631 2001 UP_{143}	16.0	X	245.84228	250.73620	43.10123	7.51791	0.1808568	0.23559289	2.5963382	20	2 15.6	20.2
182632 2001 UJ_{144}	16.7	X	141.82111	273.06081	85.05616	4.53410	0.1514657	0.22830127	2.6513303	20	1 27.7	20.6
182633 2001 UX_{145}	16.6	X	13.03469	341.67533	53.99400	4.58119	0.1505301	0.21303113	2.7765617	20	—	—
182634 2001 UV_{146}	16.6	X	328.60527	15.24689	75.61355	5.00539	0.0677501	0.21327349	2.7744578	20	—	—
182635 2001 UL_{148}	16.2	X	314.59481	41.77454	51.26441	3.08967	0.0531445	0.21245724	2.7815596	20	12 22.8	19.7
182636 2001 UJ_{151}	15.7	X	229.32145	269.57046	67.58209	10.68776	0.1244953	0.23678158	2.5876415	20	3 29.6	19.8
182637 2001 UR_{151}	16.4	X	325.61066	338.54193	62.05766	2.58253	0.1450044	0.20572650	2.8419028	20	10 30.1	19.3
182638 2001 UL_{152}	15.9	X	234.12814	94.47850	94.22467	4.92670	0.0353453	0.21289009	2.7777879	20	—	—
182639 2001 UM_{155}	16.1	X	203.11573	321.55942	116.04786	3.29976	0.2532019	0.19049074	2.9914848	20	6 26.6	21.3
182640 2001 UM_{156}	16.1	X	305.06483	12.09353	93.78620	3.78319	0.0395386	0.21189533	2.7864749	20	12 25.9	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
182641 2001 UH_{159}	15.5	X	205.76696	248.10022	57.89340	9.12625	0.2072543	0.22990904	2.6389552	20	1 26.6	20.1
182642 2001 UO_{160}	16.0	X	224.98574	262.46019	61.95055	6.30040	0.1726361	0.23474180	2.6026100	20	3 5.2	20.3
182643 2001 UO_{161}	15.8	X	69.32724	147.43586	224.94878	8.27795	0.1867857	0.21767686	2.7369143	20	—	—
182644 2001 UH_{162}	15.9	X	39.41674	189.50480	215.49064	6.56935	0.1550320	0.21637806	2.7478555	20	—	—
182645 2001 UL_{162}	16.1	X	136.74216	151.10397	214.34207	8.91200	0.1751675	0.22642450	2.6659609	20	1 30.4	20.3
182646 2001 UH_{165}	15.4	X	123.44243	303.82314	96.42700	10.52493	0.1076485	0.18004464	3.1061035	20	3 2.8	20.1
182647 2001 UA_{170}	12.5	X	279.30189	282.56862	24.25343	12.14831	0.0993632	0.08256491	5.2232286	20	4 20.6	19.5
182648 2001 UJ_{175}	16.1	X	46.71829	233.13885	115.10125	4.84637	0.1221411	0.21338464	2.7734943	20	12 24.8	20.0
182649 2001 UT_{176}	16.5	X	168.42125	154.43112	208.82619	3.62285	0.0453264	0.23312111	2.6146585	20	2 19.2	20.3
182650 2001 UL_{177}	15.9	X	119.99987	114.93041	221.24476	4.77318	0.0851831	0.22191930	2.7019211	20	—	—
182651 2001 UD_{178}	16.4	X	240.55302	279.41243	61.55555	4.36644	0.3340309	0.24187478	2.5511872	20	3 27.6	21.0
182652 2001 UU_{182}	16.1	X	50.35202	336.32238	106.71950	3.89776	0.0750148	0.22682866	2.6627932	20	1 3.6	19.1
182653 2001 UK_{187}	16.0	X	310.48071	302.28157	192.72847	10.75235	0.1748314	0.21931948	2.7232316	20	—	—
182654 2001 UC_{188}	16.1	X	12.54985	295.57687	121.47351	7.41871	0.0791726	0.21527060	2.7572717	20	—	—
182655 2001 UE_{194}	16.5	X	229.36730	246.91457	49.56259	3.43117	0.0713351	0.23413258	2.6071228	20	2 6.9	20.3
182656 2001 UF_{195}	16.5	X	92.94567	186.39690	193.15935	3.45555	0.0413745	0.22455085	2.6807701	20	—	—
182657 2001 UZ_{195}	16.6	X	141.98591	282.01591	152.79481	2.85549	0.2321252	0.18355706	3.0663519	20	5 8.4	21.8
182658 2001 UE_{196}	15.8	X	315.37300	44.86830	206.86706	2.91504	0.2119478	0.23979390	2.5659250	20	2 29.6	19.1
182659 2001 UK_{196}	16.6	X	328.26372	85.59248	330.93144	3.09864	0.0908021	0.20922795	2.8101074	20	11 24.5	20.0
182660 2001 UT_{197}	15.9	X	316.76318	75.30684	355.73311	3.99542	0.0479637	0.21246372	2.7815030	20	11 26.9	19.6
182661 2001 UY_{201}	16.7	X	172.93237	350.61135	337.05222	3.04479	0.0986604	0.22960717	2.6412677	20	1 17.4	20.6
182662 2001 UG_{203}	16.1	X	239.20681	181.58115	331.55375	1.35338	0.0140041	0.21194426	2.7860459	20	12 1.7	19.9
182663 2001 UP_{204}	15.8	X	198.34976	275.50679	24.16486	12.94483	0.1757581	0.22957849	2.6414877	20	1 13.1	20.4
182664 2001 UT_{204}	16.4	X	19.45556	120.76878	296.01626	1.81996	0.0362556	0.21742948	2.7389899	20	—	—
182665 2001 UV_{204}	16.0	X	163.38034	305.27585	24.98235	13.34790	0.0916182	0.22735178	2.6587070	20	1 12.1	20.2
182666 2001 UG_{206}	12.9	X	264.66702	103.62418	199.09751	25.98325	0.0362411	0.08311642	5.2000975	20	4 8.6	19.8
182667 2001 UG_{207}	16.6	X	343.34328	230.80329	179.58978	4.82858	0.0721725	0.21313378	2.7756702	20	12 11.1	20.0
182668 2001 UO_{208}	15.7	X	261.55357	206.49554	10.49491	12.77172	0.1227944	0.22753360	2.6572904	20	—	—
182669 2001 UZ_{214}	13.2	X	307.04297	77.82831	214.43073	5.92736	0.0461800	0.08177952	5.2566173	20	5 14.5	20.0
182670 2001 UA_{215}	16.6	X	129.29821	200.27791	180.70392	1.43800	0.0302304	0.22784389	2.6548773	20	1 25.3	20.1
182671 2001 UR_{221}	16.6	X	26.01307	219.12129	132.95200	0.70272	0.0802598	0.20979633	2.8050297	20	11 26.6	20.3
182672 2001 UU_{221}	16.5	X	152.61841	16.50801	57.43081	1.80579	0.1559864	0.18412012	3.0600972	20	5 11.4	21.2
182673 2001 UC_{222}	15.1	X	358.34765	357.96181	26.95363	15.59685	0.1369957	0.20477871	2.8506650	20	11 30.8	18.7
182674 2001 UB_{225}	15.8	X	4.61407	348.99347	110.71437	6.99550	0.0641449	0.22203804	2.7009578	20	—	—
182675 2001 UA_{226}	12.9	X	214.00305	291.01228	67.12591	10.20719	0.0469872	0.08225309	5.2364212	20	4 18.9	20.1
182676 2001 UQ_{227}	16.5	X	33.68858	193.10541	138.55277	5.08611	0.0696638	0.21030268	2.8005254	20	11 11.2	20.2
182677 2001 UH_{228}	16.1	X	339.70847	158.45642	155.66227	6.07915	0.0508142	0.19884301	2.9071169	20	7 26.2	19.9
182678 2001 VM_{1}	15.7	X	53.04217	8.27860	37.97516	10.90219	0.2314853	0.22017809	2.7161473	20	—	—
182679 2001 VP_{6}	16.4	X	142.04499	315.54355	35.22689	4.18717	0.0900308	0.22643226	2.6659000	20	1 12.0	20.1
182680 2001 VV_{7}	15.5	X	274.13432	95.16007	35.65425	9.32722	0.0861422	0.21064827	2.7974615	20	12 8.7	19.1
182681 2001 VE_{18}	16.0	X	30.06735	353.37880	31.91830	2.86667	0.1266124	0.21441901	2.7645675	20	—	—
182682 2001 VV_{18}	16.7	X	162.56741	218.03371	233.17831	1.88212	0.2823745	0.18617113	3.0375807	20	6 13.3	22.1
182683 2001 VS_{22}	16.4	X	80.70310	161.90293	208.24791	4.58951	0.1354691	0.21919186	2.7242885	20	—	—
182684 2001 VW_{24}	15.7	X	190.34455	271.91526	51.92871	14.49237	0.1236754	0.22877217	2.6476907	20	2 4.8	20.1
182685 2001 VN_{25}	15.7	X	163.66400	312.73200	44.16830	6.15418	0.1039247	0.22905752	2.6454914	20	2 15.1	19.7
182686 2001 VJ_{38}	16.3	X	86.15737	176.52346	207.73437	4.53388	0.1041493	0.22145340	2.7057093	20	—	—
182687 2001 VQ_{39}	15.7	X	310.50898	315.44621	48.78406	6.26265	0.1559248	0.19824482	2.9129620	20	8 11.6	19.1
182688 2001 VQ_{45}	16.6	X	280.72572	23.88749	74.00772	23.72573	0.0798242	0.36363845	1.9439698	20	12 23.0	18.0
182689 2001 VL_{46}	14.4	X	119.51714	213.26468	273.13033	12.57558	0.2378367	0.17994408	3.1072605	20	6 20.0	19.3
182690 2001 VH_{49}	15.0	X	110.64321	139.88382	245.87960	15.39449	0.2275067	0.17596234	3.1539603	20	2 5.7	20.0
182691 2001 VT_{49}	16.3	X	133.71837	3.87979	328.60718	7.20927	0.1973720	0.22522668	2.6754048	20	—	—
182692 2001 VH_{62}	15.4	X	259.38591	36.34363	42.18566	13.79957	0.1569740	0.20057907	2.8903181	20	9 8.4	19.6
182693 2001 VW_{70}	16.2	X	222.99615	299.51998	102.92047	5.97288	0.2338652	0.19026690	2.9938306	20	6 1.7	21.2
182694 2001 VJ_{73}	16.5	X	218.03602	45.24081	219.03302	2.58023	0.0529686	0.22481660	2.6786572	20	—	—
182695 2001 VV_{76}	17.0	X	239.66781	65.45517	70.72845	22.46683	0.0689039	0.36582560	1.9362138	20	12 11.5	18.5
182696 2001 VA_{95}	15.5	X	343.49960	258.12190	183.87338	12.70301	0.1347637	0.21164749	2.7886498	20	—	—
182697 2001 VM_{96}	16.0	X	211.27668	259.06625	161.25336	11.26855	0.2054700	0.18920379	3.0050347	20	6 15.3	21.2
182698 2001 VV_{97}	15.3	X	175.03908	154.86718	205.00969	17.71707	0.3159813	0.23226428	2.6210850	20	3 2.8	20.3
182699 2001 VM_{100}	15.0	X	140.71724	323.42154	79.40627	20.66919	0.0882164	0.17847025	3.1243438	20	3 30.1	20.1
182700 2001 VB_{112}	16.1	X	88.77762	336.81474	33.37137	5.61548	0.1724262	0.22020536	2.7159230	20	—	—
182701 2001 VB_{115}	16.3	X	0.64772	51.53148	349.03230	3.13491	0.0974737	0.20976841	2.8052785	20	12 25.1	19.8
182702 2001 VY_{119}	15.7	X	111.05971	318.10894	66.74734	12.76410	0.1928000	0.22422032	2.6834040	20	2 4.4	19.6
182703 2001 VD_{124}	15.5	X	236.62631	131.50801	185.50781	14.78852	0.1134629	0.23417240	2.6068272	20	3 5.5	19.5
182704 2001 WB_{3}	16.2	X	246.07275	77.32175	222.11314	8.34215	0.1112211	0.23600327	2.5933275	20	2 20.8	20.3
182705 2001 WX_{7}	15.0	X	207.84567	255.11152	75.47292	18.07507	0.1697957	0.18050613	3.1008071	20	3 7.7	20.4
182706 2001 WG_{10}	15.2	X	191.54152	325.34998	106.92650	11.44263	0.0974124	0.18988007	2.9978953	20	6 15.8	19.9
182707 2001 WA_{12}	15.7	X	45.35114	184.67110	186.10779	3.77137	0.1081253	0.21353454	2.7721962	20	—	—
182708 2001 WJ_{13}	15.4	X	244.89860	198.39491	80.52327	10.21413	0.0838822	0.22942613	2.6426570	20	2 2.9	19.4
182709 2001 WX_{15}	16.7	X	254.29663	10.69029	85.51778	23.86217	0.0880878	0.36037637	1.9556832	20	11 11.4	18.8
182710 2001 WJ_{16}	15.4	X	79.91227	161.47269	229.69740	12.53817	0.1144415	0.17128795	3.2110828	20	—	—
182711 2001 WZ_{16}	15.8	X	300.04869	255.39056	16.75275	7.45179	0.1687211	0.24051927	2.5607634	20	3 16.4	19.1
182712 2001 WQ_{18}	15.8	X	98.41900	124.75788	246.32069	4.48343	0.0194745	0.22247049	2.6974564	20	—	—
182713 2001 WK_{20}	15.7	X	11.95354	6.21658	73.11107	13.58882	0.1256571	0.21690892	2.7433704	20	—	—
182714 2001 WN_{25}	16.7	X	91.66701	224.74543	198.27855	1.77256	0.0779532	0.22862412	2.6488336	20	2 5.9	20.1
182715 2001 WA_{38}	16.2	X	134.72208	203.78629	141.91728	2.45399	0.0817754	0.22338548	2.6900856	20	—	—
182716 2001 WZ_{40}	14.8	X	202.41827	8.59511	105.09872	16.97503	0.0918369	0.19197888	2.9760056	20	8 21.8	19.5
182717 2001 WO_{46}	16.4	X	67.75716	110.61930	256.03247	0.78942	0.0377907	0.21550389	2.7552815	20	—	—
182718 2001 WR_{47}	16.2	X	147.25131	181.65132	203.53054	13.19622	0.1548457	0.23165008	2.6257160	20	3 1.9	20.5
182719 2001 WP_{53}	16.3	X	301.01161	251.43816	220.92305	3.11065	0.1150581	0.21209853	2.7846949	20	12 25.1	19.5
182720 2001 WW_{54}	16.5	X	115.57074	10.73339	17.57933	1.82331	0.0791903	0.22710817	2.6606079	20	1 25.5	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
182721 2001 WE_{56}	16.2	X	104.49016	332.73187	346.31247	1.96878	0.1766680	0.21725008	2.7404976	20	—	—
182722 2001 WC_{57}	16.7	X	28.45895	29.92763	6.18692	0.19646	0.0763078	0.21502634	2.7593594	20	—	—
182723 2001 WL_{58}	16.4	X	55.02410	85.52366	250.73505	2.73362	0.1040649	0.21188432	2.7865713	20	12 17.0	20.1
182724 2001 WN_{68}	16.3	X	14.63635	243.41023	212.24963	6.94415	0.0782192	0.22101956	2.7092490	20	—	—
182725 2001 WF_{70}	16.1	X	247.23523	348.19306	204.46143	3.19829	0.0361281	0.21673470	2.7448403	20	—	—
182726 2001 WY_{80}	16.2	X	340.83479	309.49129	55.62552	2.78325	0.0987847	0.20279794	2.8691970	20	10 7.8	19.7
182727 2001 WA_{100}	16.1	X	88.49943	352.86755	14.14029	6.28296	0.0428094	0.21766732	2.7369943	20	—	—
182728 2001 WM_{100}	16.4	X	84.44052	312.54265	40.65806	3.16020	0.0706656	0.21664069	2.7456343	20	—	—
182729 2001 WR_{100}	16.1	X	223.16491	332.04764	232.77738	3.22084	0.0426109	0.21284200	2.7782063	20	—	—
182730 2001 WX_{103}	16.2	X	202.11103	103.87289	171.58138	14.12898	0.1630219	0.22495417	2.6775649	20	—	—
182731 2001 XW_{1}	16.5	X	100.52870	215.63716	96.46807	25.52196	0.0761201	0.37168809	1.9158005	20	—	—
182732 2001 XH_{6}	15.7	X	114.56640	177.18280	200.62801	13.73930	0.1269606	0.22364809	2.6879793	20	1 14.9	19.6
182733 2001 XV_{45}	14.8	X	178.46675	53.67842	27.31898	11.22865	0.0784130	0.18317571	3.0706062	20	6 10.9	19.6
182734 2001 XW_{45}	15.8	X	162.24441	75.02798	34.00380	8.35649	0.2621823	0.18358296	3.0660635	20	7 4.4	21.3
182735 2001 XE_{47}	15.5	X	182.14930	42.76957	41.46553	10.59211	0.1760231	0.18393044	3.0622006	20	6 18.7	20.7
182736 2001 XX_{53}	15.8	X	236.30690	339.12767	97.06531	5.94030	0.1096183	0.19474688	2.9477391	20	8 8.1	20.2
182737 2001 XZ_{69}	16.4	X	12.58440	183.56823	216.31352	8.55815	0.1594053	0.21320243	2.7750743	20	—	—
182738 2001 XS_{70}	15.9	X	135.30332	210.24744	115.29024	7.49453	0.0850760	0.22089280	2.7102853	20	—	—
182739 2001 XZ_{71}	16.2	X	336.95697	215.64560	147.76378	2.53676	0.1000766	0.20245350	2.8724503	20	9 28.7	19.4
182740 2001 XT_{74}	15.3	X	77.84271	80.35843	88.03796	10.61558	0.0615513	0.18494878	3.0509498	20	6 5.2	19.5
182741 2001 XU_{77}	15.9	X	106.02897	261.13624	84.52896	10.84560	0.1305246	0.21889759	2.7267296	20	—	—
182742 2001 XW_{78}	16.0	X	260.83516	265.11262	163.56135	2.30970	0.0735649	0.19828854	2.9125337	20	9 1.9	19.9
182743 2001 XM_{84}	15.6	X	234.75321	280.20191	118.23980	2.46318	0.0820862	0.18908371	3.0063069	20	6 20.7	19.9
182744 2001 XF_{90}	16.4	X	207.94487	280.02197	65.37558	4.30028	0.1624800	0.23545386	2.5973602	20	3 14.8	20.6
182745 2001 XY_{104}	15.8	X	163.60566	35.93449	127.68844	2.72270	0.1023079	0.19177847	2.9780786	20	9 9.3	20.3
182746 2001 XV_{105}	12.1	X	301.05189	266.37171	37.44411	28.11369	0.0936650	0.08374209	5.1741638	20	5 9.8	18.9
182747 2001 XS_{107}	15.3	X	154.17275	271.14540	236.73124	7.94775	0.1966536	0.19020492	2.9944809	20	8 9.1	20.4
182748 2001 XJ_{110}	16.8	X	206.26299	259.71559	83.12337	5.52097	0.2491684	0.23610271	2.5925993	20	3 9.8	21.4
182749 2001 XA_{118}	15.4	X	176.37132	22.22900	64.63210	7.52857	0.1413364	0.18293928	3.0732513	20	6 17.3	20.4
182750 2001 XK_{124}	16.0	X	35.02098	151.25436	207.51220	3.23500	0.1093865	0.21024278	2.8010573	20	12 20.9	19.7
182751 2001 XP_{129}	16.2	X	214.82165	276.01754	72.82699	2.43614	0.2507122	0.23731110	2.5837908	20	3 21.6	20.8
182752 2001 XS_{131}	16.3	X	198.68162	45.40450	74.11800	3.03689	0.1657845	0.19454811	2.9497466	20	8 18.4	21.1
182753 2001 XZ_{133}	15.8	X	341.15815	307.72325	80.73573	3.10454	0.0507604	0.20460171	2.8523088	20	11 6.6	19.5
182754 2001 XQ_{136}	16.1	X	222.83066	326.02618	106.14165	2.12292	0.1481184	0.19164970	2.9794124	20	7 13.9	20.7
182755 2001 XF_{143}	15.7	X	267.24261	243.14486	99.20317	6.63572	0.2915205	0.24411529	2.5355532	20	4 23.7	19.7
182756 2001 XZ_{148}	16.9	X	148.61092	262.23640	176.57179	1.46670	0.2903632	0.18161747	3.0881446	20	5 20.5	22.4
182757 2001 XR_{152}	15.9	X	192.96253	258.79041	187.17151	2.79155	0.2052959	0.18793552	3.0185391	20	6 29.9	21.1
182758 2001 XO_{161}	16.0	X	130.03831	246.67998	96.04212	6.95474	0.0691088	0.21904369	2.7255169	20	—	—
182759 2001 XL_{162}	16.0	X	156.66313	51.52413	84.24714	4.53986	0.1847690	0.18825301	3.0151442	20	7 31.3	21.0
182760 2001 XX_{162}	16.0	X	356.83739	95.04874	268.44622	1.01064	0.0807737	0.20248201	2.8721806	20	10 28.4	19.4
182761 2001 XY_{166}	15.6	X	106.47602	264.53521	110.64997	4.76758	0.2351268	0.22226009	2.6991586	20	1 20.5	19.3
182762 2001 XD_{167}	16.3	X	149.15022	2.85521	101.54896	3.39847	0.1775237	0.18327738	3.0694706	20	6 15.3	21.3
182763 2001 XT_{180}	15.3	X	213.44950	191.79661	256.90715	7.50140	0.0564240	0.18940973	3.0028562	20	7 30.4	19.7
182764 2001 XL_{184}	15.2	X	115.27962	54.84528	115.20409	10.26988	0.0827485	0.18506219	3.0497032	20	7 25.9	19.7
182765 2001 XY_{201}	16.4	X	155.67670	7.37246	81.65513	1.96538	0.1336934	0.18085912	3.0967711	20	5 31.6	21.1
182766 2001 XX_{202}	16.2	X	90.53712	251.09124	162.45497	6.35086	0.0620649	0.22575024	2.6712666	20	1 21.1	19.8
182767 2001 XZ_{209}	15.6	X	319.53503	246.02544	174.79528	6.18800	0.0539911	0.20460366	2.8522907	20	11 18.1	19.2
182768 2001 XD_{216}	16.1	X	295.34533	144.76197	280.27320	0.85826	0.0396539	0.20175761	2.8790515	20	10 18.9	19.7
182769 2001 XL_{219}	16.0	X	183.08338	312.41264	11.94658	3.91847	0.1467600	0.22851046	2.6497119	20	1 26.8	20.2
182770 2001 XZ_{223}	16.3	X	103.51356	323.82635	57.07939	7.07109	0.0335014	0.22206322	2.7007536	20	—	—
182771 2001 XD_{233}	15.8	X	226.02066	355.21286	63.93413	5.93096	0.1374804	0.19090058	2.9872017	20	7 1.9	20.4
182772 2001 XP_{242}	16.4	X	23.48429	301.56617	74.84469	3.38598	0.2489636	0.21059437	2.7979388	20	—	—
182773 2001 XU_{242}	16.2	X	99.66960	109.07613	356.35830	0.40329	0.1510401	0.17672353	3.1448973	20	4 25.6	20.7
182774 2001 XC_{253}	16.1	X	220.15490	298.78914	139.81386	4.28703	0.1531227	0.18890984	3.0081512	20	7 18.3	20.9
182775 2001 XC_{256}	16.7	X	332.85935	19.26626	64.23103	22.79993	0.0943298	0.37340224	1.9099329	20	—	—
182776 2001 XJ_{261}	15.1	X	207.36374	75.01075	89.92158	15.88990	0.0945847	0.20440732	2.8541169	20	11 3.1	19.5
182777 2001 YC_{7}	15.3	X	129.32861	114.21059	308.28967	8.58924	0.0704185	0.17744011	3.1364246	20	3 23.6	20.0
182778 2001 YK_{22}	15.8	X	190.94067	223.39708	78.71446	10.44531	0.0771240	0.22202562	2.7010585	20	1 4.6	19.8
182779 2001 YR_{49}	15.1	X	222.62741	167.84780	276.04490	13.79141	0.0222289	0.19273913	2.9681747	20	8 6.1	19.5
182780 2001 YH_{63}	15.6	X	266.31433	139.35969	289.36445	4.70863	0.1573709	0.19702814	2.9249416	20	8 25.7	19.7
182781 2001 YO_{97}	16.0	X	224.20004	197.83145	234.28644	2.11475	0.0865324	0.19214455	2.9742947	20	7 20.7	20.3
182782 2001 YW_{112}	15.9	X	115.55453	4.85775	95.50261	9.76179	0.2142971	0.17618802	3.1512665	20	5 16.1	20.9
182783 2001 YH_{123}	15.1	X	200.40005	314.31163	43.17967	8.78466	0.1957939	0.23441024	2.6050636	20	3 23.9	19.5
182784 2001 YX_{123}	15.1	X	321.31563	354.87060	55.68945	12.88184	0.0423764	0.20374332	2.8603146	20	11 7.3	18.7
182785 2001 YJ_{134}	15.9	X	86.09654	343.43064	24.64181	6.37462	0.0510719	0.21657288	2.7462074	20	—	—
182786 2001 YU_{158}	15.5	X	27.28991	219.74095	341.06362	8.88304	0.0424131	0.17777899	3.1324376	20	5 2.3	19.8
182787 2002 AE_{8}	15.6	X	163.67749	166.04809	278.16715	3.48418	0.1174489	0.18073235	3.0982191	20	6 1.6	20.4
182788 2002 AX_{11}	15.9	X	175.61580	49.38994	59.88362	3.10386	0.1994341	0.18516211	3.0486060	20	7 14.5	21.0
182789 2002 AJ_{17}	16.7	X	322.62728	251.75734	126.43318	23.98842	0.1044360	0.35684884	1.9685503	20	11 15.9	19.0
182790 2002 AJ_{18}	15.7	X	68.73454	164.09175	203.32612	8.02805	0.2484904	0.21706113	2.7420877	20	—	—
182791 2002 AN_{19}	16.3	X	231.95155	8.80955	103.39663	3.16264	0.0663536	0.19612963	2.9338680	20	9 23.9	20.4
182792 2002 AM_{23}	14.8	X	311.75566	178.87071	133.97353	10.84388	0.0845608	0.18377573	3.0639190	20	6 10.9	18.9
182793 2002 AG_{30}	16.2	X	243.64891	304.38288	141.08521	2.58532	0.1012494	0.19424653	2.9527989	20	8 28.8	20.5
182794 2002 AN_{46}	15.6	X	89.27091	68.85740	131.88868	8.66604	0.1589467	0.18483556	3.0521956	20	8 13.4	20.1
182795 2002 AX_{47}	16.4	X	166.11268	191.66133	280.32187	0.54082	0.1335039	0.18422579	3.0589269	20	7 8.8	21.4
182796 2002 AS_{56}	15.3	X	116.13323	317.20322	131.56896	10.62589	0.0209729	0.17453045	3.1711875	20	4 11.9	19.9
182797 2002 AP_{58}	15.3	X	203.79194	315.56397	130.35737	11.09901	0.1290703	0.18544496	3.0455052	20	7 12.8	20.1
182798 2002 AH_{69}	16.4	X	114.47279	25.82797	148.79544	2.07520	0.1520481	0.18025565	3.1036789	20	8 5.7	21.2
182799 2002 AN_{72}	15.3	X	230.45154	342.18033	92.15696	10.82747	0.0453219	0.19108063	2.9853249	20	8 7.3	19.7
182800 2002 AA_{88}	15.3	X	11.47324	175.01328	235.62581	5.96382	0.1652660	0.21017666	2.8016447	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
182801 2002 AQ_{94}	15.9	X	85.16151	277.21829	97.71038	6.57208	0.0973223	0.21425288	2.7659964	20	—	—
182802 2002 AW_{97}	15.6	X	127.92329	277.06847	93.22628	10.10905	0.1712114	0.22078945	2.7111310	20	1 31.8	19.7
182803 2002 AV_{99}	15.5	X	199.36987	151.61044	320.73366	7.04952	0.0425422	0.18953637	3.0015184	20	8 16.3	19.9
182804 2002 AO_{101}	15.3	X	86.07916	282.56166	299.99579	5.33938	0.2134256	0.18748045	3.0234217	20	9 9.9	20.0
182805 2002 AP_{101}	15.4	X	164.98154	314.56202	101.17709	3.71873	0.0750123	0.17802172	3.1295896	20	4 29.1	20.2
182806 2002 AD_{108}	15.4	X	140.63295	356.20110	118.30299	10.22317	0.1558830	0.18034171	3.1026915	20	6 19.2	20.5
182807 2002 AG_{123}	15.1	X	300.94887	35.10363	336.63676	9.98351	0.0875009	0.18834678	3.0141434	20	8 12.7	18.9
182808 2002 AV_{123}	15.0	X	155.83596	338.23581	128.50258	10.10963	0.0528809	0.18010002	3.1054667	20	6 19.8	19.7
182809 2002 AH_{125}	15.0	X	77.40742	23.29509	137.81973	14.40383	0.2476152	0.17281866	3.1920936	20	6 22.7	19.8
182810 2002 AB_{129}	16.8	X	113.93525	76.61379	131.50493	24.74115	0.0604067	0.34992799	1.9944214	20	10 10.4	19.8
182811 2002 AH_{132}	16.0	X	168.07614	30.83286	96.14739	3.90518	0.2274206	0.18759717	3.0221675	20	7 29.9	21.3
182812 2002 AL_{141}	15.0	X	223.70676	248.20024	119.41891	17.21569	0.1447083	0.18180110	3.0860648	20	5 3.5	20.2
182813 2002 AB_{143}	16.1	X	184.12944	226.12154	141.89505	6.67932	0.3132681	0.23207188	2.6225334	20	3 23.7	20.9
182814 2002 AV_{147}	15.9	X	96.15782	145.57048	8.45329	3.31679	0.1164490	0.17834765	3.1257755	20	6 16.8	20.5
182815 2002 AF_{151}	14.7	X	75.68250	226.38443	323.43145	9.19411	0.0567837	0.17958789	3.1113678	20	6 29.7	19.2
182816 2002 AK_{151}	15.1	X	89.29874	230.61424	314.98089	8.40106	0.0420522	0.18096885	3.0955192	20	7 9.7	19.5
182817 2002 AV_{151}	14.8	X	265.91621	228.16101	131.30454	23.35477	0.0632956	0.18062701	3.0994235	20	6 15.0	19.5
182818 2002 AP_{158}	15.9	X	113.55625	340.90553	179.30365	4.10112	0.2180002	0.18016096	3.1047663	20	7 23.2	20.9
182819 2002 AF_{184}	16.5	X	138.17298	118.37050	355.06924	1.11458	0.2363200	0.18069067	3.0986955	20	6 19.8	21.8
182820 2002 AP_{185}	15.7	X	162.95714	152.34038	78.19602	6.80545	0.0287453	0.20219584	2.8748900	20	12 2.0	19.8
182821 2002 AJ_{187}	15.0	X	127.01749	136.96942	13.83543	9.46083	0.0688905	0.18282930	3.0744837	20	7 15.4	19.7
182822 2002 AJ_{190}	15.4	X	213.17481	3.93122	67.26441	8.69254	0.0805942	0.18627009	3.0365048	20	7 8.3	20.0
182823 2002 AN_{190}	16.2	X	150.81062	305.43512	138.96405	4.17359	0.1862579	0.17928014	3.1149274	20	5 24.9	21.3
182824 2002 AQ_{191}	15.7	X	334.15242	3.74744	313.15267	7.69932	0.0416891	0.18415673	3.0596915	20	7 22.5	19.6
182825 2002 AJ_{193}	16.0	X	159.54388	283.30465	127.25994	3.03302	0.1322138	0.17668887	3.1453085	20	4 20.0	21.0
182826 2002 AN_{203}	16.3	X	53.28146	331.94144	179.73934	0.35029	0.1240381	0.17235885	3.1977683	20	4 19.1	20.4
182827 2002 AO_{209}	15.2	X	102.54328	128.84376	54.67699	10.64342	0.0339430	0.18455003	3.0553430	20	7 24.1	19.7
182828 2002 BJ_{3}	15.1	X	144.12719	141.89025	21.22870	10.52578	0.0485834	0.18806822	3.0171190	20	8 21.1	19.6
182829 2002 BF_{4}	15.4	X	155.28875	109.29505	9.46035	15.21710	0.1938420	0.18389007	3.0626488	20	7 11.6	20.8
182830 2002 BS_{23}	15.9	X	296.37575	6.28360	56.82953	11.53566	0.1237796	0.19883761	2.9071695	20	10 13.6	19.5
182831 2002 BN_{28}	15.6	X	182.18231	50.02144	43.49472	12.32382	0.1196403	0.18497472	3.0506646	20	7 1.7	20.6
182832 2002 BO_{30}	15.6	X	81.65340	117.42357	19.75743	14.26502	0.2284380	0.17431340	3.1738193	20	5 21.2	20.3
182833 2002 CG_{1}	15.5	X	134.85136	185.71333	260.15210	8.37901	0.0772711	0.17519590	3.1631522	20	4 30.6	20.4
182834 2002 CY_{2}	15.4	X	134.69978	119.15586	346.63596	9.96552	0.0899001	0.17768927	3.1334919	20	5 25.4	20.3
182835 2002 CD_{3}	15.1	X	46.49070	111.33865	68.29172	13.25547	0.1005667	0.17228366	3.1986986	20	5 13.8	19.2
182836 2002 CM_{7}	15.1	X	118.90801	76.71433	28.59160	15.79164	0.2678489	0.17691714	3.1426024	20	5 23.9	20.4
182837 2002 CN_{9}	16.2	X	216.01747	85.87048	19.93899	1.60956	0.0328787	0.18892433	3.0079973	20	8 29.6	20.3
182838 2002 CG_{15}	15.7	X	100.77027	116.30685	327.23635	7.56359	0.0913191	0.16965080	3.2317079	20	3 20.9	20.4
182839 2002 CK_{16}	16.6	X	246.36985	96.67970	305.83286	15.71427	0.1026827	0.35058786	1.9919180	20	7 17.6	18.7
182840 2002 CG_{18}	15.5	X	147.82218	17.85608	95.82715	11.25658	0.1961821	0.18052920	3.1005429	20	6 26.1	20.7
182841 2002 CU_{18}	15.0	X	350.87314	244.88753	359.06800	15.66835	0.0698092	0.17430792	3.1738859	20	5 3.3	19.3
182842 2002 CD_{20}	15.2	X	156.03143	103.39455	335.54250	9.45734	0.1653503	0.17731668	3.1378799	20	5 18.2	20.5
182843 2002 CK_{49}	15.0	X	73.52924	14.67963	158.43361	16.90689	0.1513625	0.17611256	3.1521666	20	6 19.6	19.7
182844 2002 CE_{58}	15.4	X	320.02454	115.98751	142.51365	18.62901	0.1628187	0.17019839	3.2247726	20	4 7.6	19.8
182845 2002 CK_{60}	15.1	X	22.17585	225.09064	342.42882	6.86909	0.0517512	0.17603595	3.1530811	20	5 5.3	19.4
182846 2002 CX_{85}	15.4	X	34.41977	138.97918	132.15652	11.50915	0.1064288	0.18558685	3.0439528	20	8 26.2	19.3
182847 2002 CP_{87}	17.3	X	57.93644	176.23614	84.83384	3.41605	0.0666710	0.29491025	2.2353360	20	9 25.7	19.9
182848 2002 CD_{89}	15.4	X	53.38294	37.69965	133.12101	1.81512	0.1159831	0.17236158	3.1977345	20	5 13.4	19.4
182849 2002 CO_{90}	15.5	X	76.80704	84.15511	127.49425	4.76132	0.1309071	0.18089557	3.0963552	20	8 8.4	20.0
182850 2002 CH_{92}	15.0	X	332.66005	354.69029	324.08878	17.35468	0.0863996	0.18543276	3.0456389	20	7 23.5	18.9
182851 2002 CO_{96}	16.0	X	118.57286	2.89873	97.92834	2.42183	0.1648512	0.17315854	3.1879153	20	5 12.8	20.8
182852 2002 CG_{101}	15.5	X	79.61275	169.00627	19.12374	5.63589	0.0750749	0.17734233	3.1375774	20	7 4.9	19.9
182853 2002 CB_{102}	15.1	X	81.62085	43.67343	154.77869	16.92005	0.0406867	0.17896367	3.1185985	20	7 14.3	19.7
182854 2002 CO_{119}	15.4	X	22.28598	340.32259	245.31389	3.44599	0.0931578	0.17841836	3.1249497	20	6 3.7	19.2
182855 2002 CP_{122}	15.8	X	154.23729	171.10303	304.99480	4.34164	0.0564716	0.18183814	3.0856458	20	6 29.6	20.5
182856 2002 CU_{130}	15.8	X	119.77347	221.20610	274.76778	4.25890	0.1203344	0.17908612	3.1171767	20	6 21.3	20.4
182857 2002 CD_{148}	15.4	X	22.63545	315.54557	319.43121	7.98236	0.1652757	0.18342259	3.0678503	20	8 18.0	19.1
182858 2002 CD_{149}	14.9	X	355.93621	297.62581	312.47346	8.06819	0.2332220	0.17367833	3.1815515	20	5 19.2	18.2
182859 2002 CZ_{149}	15.5	X	4.37380	182.28956	63.10091	2.42301	0.1201623	0.17589917	3.1547154	20	6 1.6	19.1
182860 2002 CB_{150}	15.4	X	44.31729	278.14751	341.13431	10.25857	0.1266249	0.18367183	3.0650744	20	8 27.1	19.4
182861 2002 CN_{150}	15.5	X	143.52271	333.83963	94.14456	3.17752	0.1022732	0.17314785	3.1880465	20	4 23.3	20.3
182862 2002 CY_{167}	15.3	X	81.82345	116.96610	33.34152	5.56717	0.0949526	0.17358570	3.1826832	20	5 21.6	19.6
182863 2002 CP_{176}	15.9	X	80.92303	29.93117	111.53962	5.81720	0.1290519	0.17475524	3.1684674	20	5 16.7	20.3
182864 2002 CR_{179}	16.3	X	139.49770	74.93688	45.40534	0.71281	0.1228247	0.18027510	3.1034558	20	6 22.6	21.0
182865 2002 CV_{180}	15.9	X	153.19656	76.01905	342.89846	6.42947	0.1599796	0.17600568	3.1534426	20	4 21.8	21.0
182866 2002 CD_{195}	17.8	X	151.78299	200.65782	118.37941	2.56909	0.0344151	0.31831759	2.1243641	20	—	—
182867 2002 CF_{200}	15.4	X	162.83851	83.23606	339.99834	8.16744	0.0819588	0.17507093	3.1646573	20	5 1.8	20.3
182868 2002 CF_{204}	15.3	X	32.08380	268.79193	343.30191	10.85768	0.0468407	0.18117523	3.0931680	20	7 22.2	19.5
182869 2002 CL_{206}	15.1	X	263.73951	209.35258	141.48850	11.83227	0.1026235	0.17802287	3.1295761	20	5 25.7	19.8
182870 2002 CS_{210}	15.7	X	108.39151	35.21415	125.11313	6.19908	0.0908731	0.17850736	3.1239109	20	7 5.9	20.3
182871 2002 CT_{211}	15.6	X	196.11331	30.73732	328.44621	3.93447	0.0955624	0.17067101	3.2188165	20	3 22.1	20.5
182872 2002 CU_{211}	15.7	X	55.35853	280.00245	1.97605	1.11123	0.0897710	0.18975838	2.9991769	20	10 4.6	19.8
182873 2002 CD_{222}	15.3	X	264.26772	188.24156	135.23173	6.11409	0.1632207	0.17630638	3.1498560	20	4 14.4	20.1
182874 2002 CC_{230}	15.8	X	322.59901	310.64233	329.97857	4.83426	0.1350663	0.17370869	3.1811808	20	5 6.1	19.9
182875 2002 CG_{233}	15.6	X	26.49140	33.95699	165.01841	6.83963	0.2316167	0.17182687	3.2043651	20	5 20.7	19.1
182876 2002 CZ_{238}	15.7	X	72.55673	296.04382	203.26585	4.15511	0.1300164	0.16969301	3.2311720	20	5 2.1	19.9
182877 2002 CL_{240}	14.6	X	126.88278	109.32670	335.65192	15.66308	0.1059599	0.16998852	3.2274262	20	4 18.1	19.7
182878 2002 CQ_{247}	14.8	X	39.96584	73.89147	168.38984	10.25101	0.1884244	0.17569928	3.1571077	20	8 3.9	18.8
182879 2002 CP_{252}	15.5	X	169.65260	276.40221	148.60805	9.88315	0.0631893	0.17784246	3.1316922	20	5 16.7	20.3
182880 2002 CH_{253}	14.7	X	134.31856	210.53830	285.75877	16.01337	0.1496787	0.18025929	3.1036372	20	7 8.9	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
182881 2002 CD_{254}	15.9	X	95.82797	204.64644	318.98154	3.89291	0.0686419	0.18001497	3.1064448	20	6 22.5	20.3
182882 2002 CD_{259}	15.5	X	357.91606	138.12509	150.14163	12.23326	0.0685878	0.18291411	3.0735332	20	7 17.7	19.6
182883 2002 CL_{259}	15.2	X	64.75557	224.77995	283.85541	6.35283	0.1189633	0.17141456	3.2095014	20	4 28.8	19.6
182884 2002 CE_{263}	15.4	X	237.53815	33.15627	55.34529	12.89801	0.2130457	0.19036459	2.9928062	20	8 17.0	20.3
182885 2002 CF_{266}	16.2	X	328.81270	309.98863	58.75052	2.02770	0.1037006	0.19189394	2.9768838	20	9 20.4	19.6
182886 2002 CA_{282}	15.8	X	173.05943	279.88126	154.29149	5.15130	0.1282711	0.17892052	3.1190999	20	5 30.8	20.9
182887 2002 CU_{292}	15.6	X	92.99364	46.58622	190.83629	1.90828	0.0886649	0.18788005	3.0191331	20	9 23.7	20.0
182888 2002 CC_{295}	15.4	X	78.68442	279.76022	190.75072	23.27904	0.3052848	0.17049315	3.2210547	20	5 1.1	20.1
182889 2002 CH_{301}	15.4	X	88.64579	157.85107	320.56010	4.07472	0.1087148	0.16980129	3.2297983	20	4 21.2	19.9
182890 2002 CZ_{301}	14.8	X	193.98257	288.91951	121.37068	12.65346	0.1393211	0.17858072	3.1230553	20	5 23.8	20.0
182891 2002 CY_{302}	14.9	X	121.77592	342.81423	155.87632	17.49559	0.0564407	0.17920041	3.1158513	20	6 21.5	19.7
182892 2002 CD_{311}	15.5	X	60.52048	16.69059	137.36230	7.07636	0.0879465	0.17024868	3.2241375	20	4 30.6	19.9
182893 2002 DA_{18}	16.0	X	124.39276	81.10109	27.12952	1.73862	0.1274919	0.17434359	3.1734529	20	5 23.2	20.7
182894 2002 DE_{18}	15.3	X	222.81988	226.38249	159.51752	8.48983	0.0861900	0.17658479	3.1465443	20	5 23.9	20.1
182895 2002 DN_{18}	15.0	X	153.81239	345.42175	96.38293	19.52508	0.2102565	0.17694892	3.1422262	20	5 28.3	20.5
182896 2002 DE_{20}	16.0	X	130.52682	314.06100	154.84587	5.05763	0.1015487	0.17547809	3.1597601	20	5 29.3	20.9
182897 2002 EZ_{3}	15.6	X	46.30499	97.30240	162.62003	1.41756	0.1581414	0.18063881	3.0992885	20	9 3.2	19.6
182898 2002 EF_{12}	15.6	X	65.02573	123.24625	69.42731	3.81780	0.1834198	0.17468263	3.1693454	20	7 7.4	19.9
182899 2002 EE_{14}	15.1	X	5.19112	43.57309	187.32303	9.10003	0.1072119	0.17259215	3.1948859	20	5 16.1	19.1
182900 2002 EG_{15}	15.8	X	121.10957	194.13169	314.60821	1.56009	0.1229724	0.17876098	3.1209554	20	7 9.0	20.6
182901 2002 EG_{26}	14.5	X	10.64495	244.26293	322.98511	10.86741	0.0260205	0.16980216	3.2297873	20	4 15.9	19.1
182902 2002 EP_{39}	15.9	X	79.46735	21.19276	180.29992	3.62732	0.1254236	0.17796248	3.1302841	20	7 27.6	20.4
182903 2002 EM_{53}	15.6	X	146.54317	327.18377	183.07574	3.57279	0.0656507	0.18308781	3.0715890	20	8 2.4	20.2
182904 2002 EP_{60}	15.6	X	346.40584	274.75192	314.61303	4.36473	0.1005381	0.16900274	3.2399643	20	4 10.3	19.8
182905 2002 EG_{63}	16.1	X	91.74284	242.47955	180.05820	5.30692	0.0625459	0.21480437	2.7612600	20	2 4.7	19.8
182906 2002 EV_{68}	15.3	X	342.07284	60.79737	200.55830	6.72130	0.1256799	0.17054533	3.2203976	20	5 16.5	19.2
182907 2002 EG_{81}	16.0	X	60.88209	2.30736	213.97134	2.73251	0.1703465	0.17750055	3.1357126	20	7 29.4	20.3
182908 2002 EH_{90}	15.0	X	61.08502	78.36809	171.02057	9.21938	0.1124307	0.18143288	3.0902389	20	9 2.2	19.2
182909 2002 ET_{90}	17.1	X	50.74102	207.59515	42.64213	2.35514	0.1627425	0.28700834	2.2761788	20	9 13.3	19.7
182910 2002 EP_{99}	15.0	X	88.57639	179.04823	68.60015	10.53255	0.0886624	0.18755611	3.0226085	20	10 6.7	19.5
182911 2002 EO_{102}	15.7	X	126.01183	299.79630	186.98308	12.57787	0.1383077	0.17641659	3.1485440	20	6 18.1	20.8
182912 2002 EE_{104}	14.9	X	77.37084	68.14904	129.13490	11.02254	0.1585031	0.17608000	3.1525552	20	7 24.9	19.4
182913 2002 EM_{106}	14.7	X	24.49960	281.89735	19.59837	16.76630	0.2229141	0.18183618	3.0856679	20	10 6.3	18.4
182914 2002 EL_{109}	15.8	X	339.87217	100.66522	147.59437	5.36633	0.0992843	0.17027142	3.2238504	20	4 28.9	19.9
182915 2002 EB_{113}	15.9	X	168.21266	19.82472	97.56116	2.56402	0.1273929	0.18033901	3.1027225	20	7 17.4	20.9
182916 2002 EK_{117}	16.2	X	213.69121	307.90829	74.40961	3.69027	0.0988522	0.17294508	3.1905380	20	5 7.9	21.1
182917 2002 EX_{126}	15.0	X	74.51296	48.35754	198.41734	11.60118	0.1493313	0.18349450	3.0670488	20	9 19.8	19.5
182918 2002 EN_{132}	15.7	X	314.20300	113.72068	168.52316	10.61836	0.1022580	0.16978351	3.2300238	20	5 4.7	20.1
182919 2002 EM_{133}	15.2	X	330.63638	128.28160	185.74684	7.72231	0.0578957	0.17732513	3.1377802	20	7 10.3	19.4
182920 2002 EU_{134}	14.9	X	288.23603	142.71649	182.31467	21.48711	0.1332074	0.17288035	3.1913342	20	5 18.8	19.6
182921 2002 ED_{140}	15.1	X	229.27535	41.49286	359.72339	9.31352	0.0885048	0.17970473	3.1100190	20	6 16.6	19.9
182922 2002 EW_{154}	16.0	X	90.30274	346.71392	147.51340	1.69355	0.0862482	0.17067764	3.2187331	20	5 12.2	20.4
182923 2002 EK_{157}	15.6	X	282.13178	140.82733	184.39674	6.02575	0.0749797	0.17427410	3.1742965	20	5 18.3	20.1
182924 2002 EN_{160}	15.7	X	18.72740	172.82668	74.20874	3.25857	0.0857788	0.17522400	3.1628140	20	6 26.1	19.7
182925 2002 EG_{161}	15.2	X	62.36242	41.26743	150.11235	18.07560	0.0755732	0.17209072	3.2010890	20	6 17.5	19.9
182926 2002 FU_{6}	7.3	X	313.20924	191.44653	55.42332	2.19581	0.1492250	0.00318560	45.7447818	20	3 26.9	23.5
182927 2002 FN_{25}	14.9	X	82.91445	112.25167	20.96645	26.78596	0.2419151	0.17115880	3.2126980	20	5 13.8	19.8
182928 2002 FV_{26}	14.9	X	53.28777	108.52298	97.86692	11.34748	0.1960148	0.17612328	3.1520387	20	7 10.7	18.8
182929 2002 FJ_{32}	15.3	X	26.06794	182.49286	50.02907	5.90833	0.0735519	0.17484710	3.1673575	20	6 16.7	19.4
182930 2002 FX_{40}	14.9	X	48.99948	125.58021	57.81455	19.89364	0.0895757	0.17035344	3.2228154	20	5 19.2	19.2
182931 2002 GQ_{1}	14.8	X	26.45630	292.31174	205.16841	19.72013	0.3191344	0.16219273	3.3300325	20	2 24.9	18.0
182932 2002 GQ_{2}	14.1	X	40.81727	209.65269	81.39523	32.03274	0.3163805	0.17786692	3.1314052	20	11 11.1	18.9
182933 2002 GZ_{31}	6.4	X	340.88596	164.21638	117.18926	1.05528	0.2478663	0.00271081	50.9412622	20	5 30.7	22.4
182934 2002 GJ_{32}	5.4	X	86.16761	256.49529	244.85734	11.57981	0.1061564	0.00332565	44.4513791	20	5 20.4	21.9
182935 2002 GZ_{40}	15.4	X	123.36569	312.58204	193.18516	8.27296	0.0258136	0.17520188	3.1630803	20	6 27.2	20.1
182936 2002 GC_{42}	14.6	X	18.09495	337.51297	226.81642	10.24410	0.1108477	0.16976157	3.2303020	20	4 30.4	18.7
182937 2002 GS_{47}	17.2	X	273.23905	271.19557	27.66395	2.35447	0.2069988	0.26932748	2.3747375	20	3 10.9	20.7
182938 2002 GK_{48}	15.0	X	76.36495	325.27728	197.11555	15.63462	0.1060747	0.17055636	3.2202587	20	6 2.3	19.7
182939 2002 GZ_{50}	15.4	X	44.41709	30.42461	180.84576	5.59800	0.0873282	0.17116721	3.2125927	20	6 17.8	19.7
182940 2002 GJ_{55}	14.9	X	29.43247	247.67837	339.35922	9.71891	0.0440034	0.17284911	3.1917187	20	6 11.5	19.3
182941 2002 GE_{65}	15.1	X	136.90782	266.21250	212.90988	15.37669	0.1916449	0.17687246	3.1431317	20	6 21.7	20.5
182942 2002 GM_{67}	15.0	X	105.48084	93.77700	32.95430	19.24386	0.1144603	0.16918699	3.2376116	20	5 19.9	20.0
182943 2002 GG_{91}	15.1	X	230.73295	223.07749	182.76208	16.68682	0.0971178	0.17884945	3.1199261	20	6 23.3	20.1
182944 2002 GA_{100}	16.8	X	106.47882	124.26706	334.18229	1.63185	0.1155830	0.27547128	2.3392959	20	4 14.3	19.6
182945 2002 GC_{101}	15.3	X	45.76955	177.85329	19.42173	6.75554	0.1067487	0.17085568	3.2164967	20	6 2.6	19.5
182946 2002 GO_{106}	14.6	X	4.74178	224.86986	73.63050	12.91594	0.1060701	0.17689419	3.1428742	20	8 18.4	18.7
182947 2002 GJ_{110}	15.3	X	135.79555	283.37137	188.72316	7.10125	0.1954769	0.17282816	3.1919766	20	6 13.9	20.6
182948 2002 GJ_{123}	14.6	X	231.19213	176.89873	205.22606	11.01120	0.0876142	0.16941843	3.2346623	20	5 27.3	19.5
182949 2002 GX_{155}	15.1	X	173.83258	37.84000	52.10677	9.96707	0.0423017	0.17430275	3.1739487	20	6 17.6	19.9
182950 2002 GL_{163}	15.0	X	311.72220	184.87937	182.52801	15.47790	0.0306997	0.18217742	3.0818135	20	8 23.5	19.3
182951 2002 GU_{177}	15.8	X	149.85114	18.82084	108.05432	3.19373	0.0444420	0.17502378	3.1652256	20	7 7.1	20.5
182952 2002 HH_{16}	15.7	X	74.55217	113.66608	65.64892	2.02758	0.0862765	0.17229571	3.1985495	20	6 17.8	20.2
182953 2002 HN_{17}	14.0	X	353.50054	222.68916	75.46864	28.89940	0.1925098	0.17329157	3.1862836	20	7 28.2	17.9
182954 2002 JH_{1}	14.5	X	256.54205	73.53492	216.82722	15.94234	0.1205155	0.15527558	3.4282089	20	2 26.0	20.0
182955 2002 JO_{10}	14.0	X	5.22466	248.86223	66.39954	26.66803	0.2786647	0.17644306	3.1482291	20	10 11.6	17.8
182956 2002 JK_{16}	16.2	X	98.92383	154.66724	198.73939	7.30478	0.2120614	0.30419694	2.1896069	20	—	—
182957 2002 JK_{60}	17.2	X	54.60062	66.77202	222.96404	3.91947	0.1636699	0.28769205	2.2725711	20	11 11.3	20.1
182958 2002 JH_{62}	16.5	X	129.63193	99.12847	84.60704	6.45900	0.0999079	0.28665963	2.2780243	20	9 12.1	19.7
182959 2002 JK_{68}	17.3	X	208.87834	90.89450	221.19646	2.93135	0.1873313	0.31504433	2.1390533	20	1 24.3	20.5
182960 2002 JT_{68}	15.1	X	69.46851	136.46937	64.78257	12.48439	0.1585453	0.17493770	3.1662639	20	7 22.2	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
182961 2002 JU_{116}	14.6	X	31.50691	155.33116	83.03255	20.77804	0.1114560	0.17327324	3.1865083	20	7 6.4	18.7
182962 2002 JV_{118}	14.8	X	99.99624	49.91409	115.01801	15.61358	0.1628449	0.17478330	3.1681283	20	7 10.7	19.5
182963 2002 JF_{122}	16.9	X	170.98557	262.73434	330.21201	6.08983	0.1279160	0.30042408	2.2079008	20	12 28.6	19.9
182964 2002 JE_{138}	17.8	X	135.94458	315.29055	286.14033	0.22400	0.1182848	0.29505169	2.2346215	20	12 1.7	21.0
182965 2002 KX_{8}	17.3	X	164.92313	157.87877	117.29363	4.34324	0.1785861	0.30221725	2.1991586	20	—	—
182966 2002 LC_{4}	16.4	X	22.21504	89.49968	103.01314	7.21415	0.0411303	0.26949346	2.3737623	20	4 16.2	19.2
182967 2002 LK_{22}	16.6	X	143.05325	87.59673	253.69273	3.25106	0.2057060	0.30567372	2.1825489	20	1 1.6	19.5
182968 2002 LN_{29}	15.6	X	70.81692	214.60774	136.23682	7.29538	0.3168677	0.24017721	2.5631943	20	—	—
182969 2002 MA_{5}	16.6	X	210.95844	264.51101	118.37325	7.17345	0.1295731	0.26436463	2.4043655	20	5 4.1	20.3
182970 2002 NN_{15}	16.9	X	80.95005	241.18998	67.04270	6.64719	0.2023685	0.28906874	2.2653499	20	—	—
182971 2002 NQ_{15}	17.0	X	132.93149	284.06382	68.22687	5.97610	0.2182425	0.30201639	2.2001335	20	1 7.3	19.7
182972 2002 NX_{21}	17.2	X	90.45862	204.18505	143.62283	4.83320	0.2185353	0.29402022	2.2398448	20	—	—
182973 2002 NL_{23}	17.1	X	118.51016	120.00975	194.92189	4.08271	0.1850976	0.29520034	2.2338713	20	—	—
182974 2002 NT_{23}	16.1	X	338.13321	228.82634	133.58681	8.80697	0.2914454	0.27722253	2.3294337	20	11 9.8	17.5
182975 2002 NE_{36}	17.0	X	21.04162	211.88047	151.33264	6.49755	0.1585408	0.28624540	2.2802215	20	—	—
182976 2002 NR_{37}	16.7	X	258.33680	226.15893	140.66863	12.02343	0.2637517	0.26659827	2.3909170	20	5 19.8	20.6
182977 2002 NU_{38}	17.3	X	224.69355	101.79505	210.38769	5.65703	0.3350784	0.30884451	2.1675849	20	2 4.9	21.4
182978 2002 NX_{39}	17.0	X	4.31595	316.98061	308.61007	3.33951	0.1976413	0.27243176	2.3566634	20	7 11.5	18.4
182979 2002 NE_{42}	16.8	X	71.87466	61.65601	321.13318	12.65753	0.1800936	0.24004657	2.5641241	20	—	—
182980 2002 NQ_{46}	16.4	X	68.94478	241.58101	56.92597	3.37068	0.0848128	0.23085377	2.6317506	20	11 18.0	19.9
182981 2002 NK_{51}	16.4	X	70.23813	333.04796	357.70530	4.26150	0.2437980	0.28956690	2.2627510	20	—	—
182982 2002 NG_{61}	16.5	X	163.08881	278.55096	10.31716	5.05326	0.0944916	0.24402191	2.5362000	20	—	—
182983 2002 NO_{61}	17.0	X	69.14789	251.77157	85.16182	5.41676	0.1711105	0.29026441	2.2591246	20	—	—
182984 2002 OV	17.3	X	94.55189	139.54102	177.47339	6.53206	0.1665192	0.29225752	2.2488419	20	—	—
182985 2002 OF_{1}	16.6	X	216.09057	28.65769	225.07374	5.72292	0.1506456	0.30237103	2.1984129	20	—	—
182986 2002 OR_{2}	16.8	X	70.66326	127.07216	213.00383	6.94396	0.2384375	0.28826055	2.2695821	20	—	—
182987 2002 OC_{8}	15.8	X	294.79995	228.74882	130.76293	10.08096	0.1952438	0.21615272	2.7497650	20	7 1.5	19.1
182988 2002 OM_{8}	17.3	X	71.02614	19.49913	290.46875	5.83792	0.1219623	0.28719934	2.2751695	20	12 21.2	20.4
182989 2002 OE_{13}	16.7	X	118.47587	193.39711	168.75313	8.87455	0.2965224	0.24412405	2.5354926	20	1 21.3	20.5
182990 2002 OJ_{17}	17.0	X	190.32362	92.56864	197.22721	6.09922	0.1794048	0.30276015	2.1965288	20	—	—
182991 2002 OK_{25}	17.4	X	178.69227	131.52912	171.26813	5.11459	0.1924489	0.30176906	2.2013355	20	—	—
182992 2002 OM_{28}	16.6	X	256.57198	344.24733	14.20247	6.99920	0.1530579	0.26610181	2.3938898	20	5 14.2	19.9
182993 2002 PC_{1}	16.6	X	75.29519	201.54924	137.14825	7.49720	0.1967956	0.28941431	2.2635463	20	—	—
182994 2002 PO_{11}	17.7	X	140.88906	89.74891	172.53902	3.27350	0.1403196	0.29185742	2.2508967	20	12 31.6	21.0
182995 2002 PH_{24}	18.4	X	186.24569	123.07359	154.85150	6.57460	0.1543697	0.30089945	2.2055748	20	—	—
182996 2002 PB_{28}	17.0	X	241.86630	299.49496	308.79726	2.82661	0.1705891	0.30576824	2.1820991	20	—	—
182997 2002 PY_{29}	16.8	X	25.03880	173.94018	195.45697	3.41357	0.0342738	0.28771594	2.2724453	20	12 31.3	19.5
182998 2002 PW_{34}	17.2	X	75.20427	131.83304	165.24390	4.86376	0.1838548	0.28580869	2.2825437	20	12 14.4	20.7
182999 2002 PJ_{37}	16.5	X	76.08665	171.61925	194.17748	2.80665	0.1985300	0.29084968	2.2560929	20	—	—
183000 2002 PR_{46}	16.1	X	305.77088	105.13226	240.91816	2.85761	0.2568711	0.26820543	2.3813561	20	6 22.1	18.1
183001 2002 PR_{49}	16.5	X	22.86132	176.06944	158.67768	2.52354	0.2264775	0.27876401	2.3208385	20	12 9.5	19.2
183002 2002 PA_{55}	16.7	X	224.25451	199.57039	184.29273	3.61168	0.2635639	0.26150071	2.4218885	20	5 8.6	20.9
183003 2002 PN_{55}	16.9	X	67.18629	4.93877	327.00018	5.02749	0.1848348	0.28751752	2.2734907	20	—	—
183004 2002 PO_{55}	16.3	X	132.85546	351.56366	319.80367	5.75441	0.1176484	0.29496008	2.2350842	20	—	—
183005 2002 PK_{58}	16.2	X	60.91586	358.36691	330.76677	6.23631	0.1328989	0.28608989	2.2810477	20	—	—
183006 2002 PG_{59}	16.8	X	24.02561	202.60830	140.51708	4.94224	0.1694952	0.28156672	2.3054117	20	12 14.4	19.6
183007 2002 PJ_{67}	17.4	X	295.96414	152.81948	217.72800	2.26721	0.1641451	0.27336457	2.3512992	20	7 29.1	19.8
183008 2002 PG_{79}	16.5	X	324.13672	322.84763	34.70535	5.78989	0.1359252	0.27540151	2.3396910	20	9 12.8	18.5
183009 2002 PZ_{83}	16.8	X	8.60614	304.97002	359.60164	2.54692	0.1789418	0.27554339	2.3388878	20	9 23.7	18.8
183010 2002 PD_{85}	16.6	X	129.22866	202.25993	130.74255	7.58759	0.2243717	0.29690698	2.2253028	20	—	—
183011 2002 PA_{88}	17.2	X	50.63133	187.30932	162.05370	4.68600	0.1776669	0.28693905	2.2765452	20	—	—
183012 2002 PM_{88}	16.1	X	25.67514	316.14667	6.75814	2.04159	0.2055582	0.22428988	2.6828492	20	11 9.9	19.3
183013 2002 PT_{90}	16.7	X	83.90508	308.07355	356.36785	4.90024	0.1940736	0.28696041	2.2764322	20	—	—
183014 2002 PG_{92}	16.5	X	6.20960	11.63206	327.97681	4.57861	0.1514231	0.27941903	2.3172100	20	11 6.2	19.0
183015 2002 PT_{92}	15.3	X	33.48405	80.23434	235.97331	13.67467	0.0620297	0.22442882	2.6817418	20	10 19.5	18.9
183016 2002 PU_{93}	16.9	X	246.71302	26.81339	351.68708	5.60286	0.1955580	0.26468793	2.4024072	20	5 25.6	20.5
183017 2002 PV_{93}	16.2	X	234.43903	345.60920	56.42807	6.11292	0.2242936	0.26511368	2.3998345	20	6 11.5	19.8
183018 2002 PQ_{94}	16.8	X	238.57100	329.37933	60.14571	5.67305	0.2312638	0.26413307	2.4057705	20	5 29.6	20.6
183019 2002 PG_{96}	17.2	X	32.40034	14.46071	324.88362	2.01819	0.1856857	0.28385290	2.2930164	20	12 22.6	20.1
183020 2002 PF_{97}	16.5	X	98.30354	188.49034	129.74188	8.95982	0.2774121	0.29128188	2.2538607	20	—	—
183021 2002 PT_{99}	16.9	X	131.62311	306.43459	19.52948	4.35945	0.1799530	0.29682453	2.2257148	20	—	—
183022 2002 PQ_{110}	16.5	X	44.94410	299.65181	4.86993	6.70797	0.1313810	0.28201236	2.3029824	20	11 11.3	19.4
183023 2002 PG_{113}	17.3	X	212.11273	291.11809	2.85858	6.86423	0.2898070	0.30713506	2.1756204	20	1 9.3	21.2
183024 2002 PJ_{122}	16.7	X	215.60663	85.83115	182.99764	3.86904	0.1267905	0.30384013	2.1913208	20	—	—
183025 2002 PR_{122}	16.7	X	271.59529	14.09789	218.71063	6.04339	0.1784503	0.30640468	2.1790764	20	—	—
183026 2002 PE_{125}	16.8	X	129.68739	145.60767	157.20131	3.48218	0.1980916	0.29498961	2.2349350	20	—	—
183027 2002 PP_{127}	17.0	X	356.70043	24.07793	328.91125	4.89055	0.1598362	0.27986655	2.3147391	20	11 10.6	19.2
183028 2002 PC_{140}	16.1	X	140.96441	179.84999	140.89490	1.43610	0.1061959	0.18247178	3.0784982	20	—	—
183029 2002 PU_{140}	15.7	X	337.17086	285.40051	54.68656	15.42201	0.1569646	0.22090750	2.7101650	20	9 8.7	18.9
183030 2002 PE_{151}	17.2	X	62.50801	186.90381	167.48300	1.49102	0.1307054	0.29010162	2.2599697	20	—	—
183031 2002 PD_{165}	17.2	X	5.72259	269.32774	110.93424	2.92193	0.1687607	0.28527845	2.2853711	20	—	—
183032 2002 PD_{177}	17.2	X	213.35090	104.34195	305.46641	1.66280	0.1731460	0.26595746	2.3947560	20	6 5.4	20.9
183033 2002 PV_{179}	17.5	X	1.87201	218.49944	124.76365	2.77633	0.0858504	0.28018051	2.3130096	20	10 29.1	19.8
183034 2002 PD_{183}	16.1	X	264.05980	39.63290	338.56922	4.89389	0.0254471	0.21601162	2.7509624	20	7 10.9	19.7
183035 2002 QY	16.6	X	278.88344	190.60358	195.14853	3.19853	0.1735969	0.27186463	2.3599397	20	7 20.8	19.2
183036 2002 QR_{17}	16.5	X	212.59916	59.04967	327.18474	2.40126	0.1999377	0.25998926	2.4312658	20	5 3.1	20.4
183037 2002 QJ_{22}	17.3	X	84.89522	194.98380	185.45786	2.38007	0.2107783	0.24033218	2.5620922	20	—	—
183038 2002 QR_{22}	17.2	X	175.32622	287.87317	328.73860	3.31100	0.0924046	0.29608825	2.2294031	20	—	—
183039 2002 QG_{25}	16.8	X	5.89773	215.70360	157.89551	4.06595	0.1659674	0.28235732	2.3011063	20	12 29.5	19.3
183040 2002 QP_{50}	16.1	X	7.51091	235.32499	178.71555	7.87504	0.1404674	0.23278894	2.6171452	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
183041 2002 QW_{50}	17.4	X	266.09383	262.99667	152.77189	3.29783	0.1074132	0.27260060	2.3556902	20	8 26.9	20.2
183042 2002 QH_{52}	16.8	X	288.04502	275.15702	109.72214	3.17381	0.2053191	0.27144121	2.3623933	20	7 30.5	18.9
183043 2002 QY_{60}	18.2	X	167.49493	95.82072	187.93310	2.85599	0.1803765	0.29788734	2.2204177	20	—	—
183044 2002 QY_{63}	17.1	X	243.76593	32.59132	86.13608	5.76284	0.0888973	0.28178951	2.3041965	20	10 30.3	19.7
183045 2002 QZ_{63}	16.9	X	7.46840	209.94907	113.28165	7.53406	0.1368808	0.27781032	2.3261468	20	10 18.8	19.4
183046 2002 QB_{65}	17.3	X	338.22306	212.65596	173.84661	9.86957	0.0595387	0.28292087	2.2980496	20	11 21.2	19.9
183047 2002 QW_{65}	17.1	X	255.59817	241.00040	142.39464	3.94286	0.1285158	0.26777354	2.3839160	20	6 22.1	20.1
183048 2002 QM_{68}	16.9	X	71.55828	193.34901	128.86557	3.65085	0.0928147	0.23151429	2.6267426	20	12 21.7	20.6
183049 2002 QW_{69}	17.0	X	110.82585	275.00702	144.37933	6.94023	0.1052147	0.25100709	2.4889264	20	2 29.2	20.2
183050 2002 QV_{70}	17.1	X	159.50929	97.83994	330.22605	6.10479	0.1587201	0.25868543	2.4394283	20	5 6.7	21.0
183051 2002 QY_{72}	17.1	X	205.00574	47.28419	339.02299	1.86591	0.2025901	0.25940047	2.4349434	20	4 26.8	21.1
183052 2002 QR_{78}	17.1	X	185.34284	135.21699	92.88301	3.54006	0.0788336	0.29193299	2.2505082	20	—	—
183053 2002 QC_{87}	16.5	X	246.79707	321.07399	78.14992	6.15564	0.1300775	0.26835269	2.3804848	20	7 2.9	19.6
183054 2002 QW_{88}	17.7	X	169.30947	159.04124	280.67053	1.35373	0.1951798	0.26062102	2.4273352	20	6 3.3	21.6
183055 2002 QM_{91}	16.9	X	184.06612	158.73019	343.51590	7.00812	0.0497830	0.27586351	2.3370780	20	9 14.9	20.0
183056 2002 QK_{93}	16.9	X	49.14764	326.37576	92.81920	5.39664	0.2972886	0.23758486	2.5818056	20	—	—
183057 2002 QU_{93}	17.2	X	271.94377	268.37109	141.57614	3.86567	0.1131709	0.27322427	2.3521040	20	8 26.9	19.9
183058 2002 QE_{96}	17.2	X	214.08254	216.34512	12.80529	4.41105	0.1286151	0.29810600	2.2193318	20	—	—
183059 2002 QF_{97}	17.2	X	241.01009	65.36975	4.87477	3.79843	0.0565961	0.27427043	2.3461191	20	8 21.2	20.0
183060 2002 QX_{102}	17.3	X	174.07628	151.11541	246.81825	1.61363	0.1995168	0.25656042	2.4528799	20	4 15.2	21.3
183061 2002 QK_{107}	16.5	X	84.46162	195.20188	300.44900	6.07792	0.1444707	0.26023719	2.4297214	20	5 10.3	19.7
183062 2002 QX_{118}	17.0	X	175.84822	76.18493	331.67041	7.17564	0.1104026	0.26017633	2.4301003	20	4 24.3	20.7
183063 2002 QE_{119}	16.7	X	182.59072	200.53773	91.59318	5.29048	0.1601602	0.30121830	2.2040181	20	—	—
183064 2002 QO_{119}	17.0	X	82.44563	208.46420	346.60442	1.35686	0.1266390	0.27061915	2.3671750	20	7 31.2	19.9
183065 2002 QT_{122}	16.3	X	268.85268	146.02891	207.36409	4.90728	0.0879368	0.21310127	2.7759524	20	6 3.8	20.1
183066 2002 RA_{6}	16.8	X	335.43457	186.07227	165.85305	6.66293	0.1340427	0.27561953	2.3384570	20	9 26.1	18.8
183067 2002 RG_{13}	16.2	X	5.15124	225.12976	167.36123	6.24596	0.1532652	0.28308524	2.2971599	20	—	—
183068 2002 RM_{13}	16.9	X	324.43597	294.31757	43.59846	1.95003	0.1957644	0.27064619	2.3670173	20	8 3.5	18.5
183069 2002 RR_{13}	17.1	X	100.97789	243.42066	80.99397	0.35929	0.2864623	0.29131604	2.2536845	20	—	—
183070 2002 RV_{18}	15.5	X	343.87875	224.63407	163.61193	11.13591	0.1817010	0.27935522	2.3175628	20	12 16.0	17.9
183071 2002 RO_{21}	16.1	X	38.40089	213.57749	116.44656	3.38281	0.2082281	0.22646127	2.6656723	20	12 7.7	19.6
183072 2002 RA_{28}	16.4	X	3.18387	185.42520	141.97923	5.71131	0.2195665	0.27396396	2.3478684	20	10 28.1	18.5
183073 2002 RJ_{28}	16.2	X	15.12602	315.58421	43.45434	9.00286	0.1745518	0.27759805	2.3273325	20	12 22.6	19.0
183074 2002 RD_{40}	16.8	X	348.76708	320.35146	23.18202	2.32804	0.2314611	0.27651632	2.3333982	20	10 21.9	18.2
183075 2002 RE_{41}	16.9	X	31.29352	332.88546	16.80583	3.02977	0.2263176	0.28358776	2.2944454	20	—	—
183076 2002 RB_{46}	17.3	X	144.50275	202.91240	138.38716	5.74529	0.1672221	0.29971165	2.2113983	20	—	—
183077 2002 RJ_{46}	16.2	X	17.96544	343.46581	11.87241	7.52378	0.1294761	0.28184329	2.3039033	20	12 15.2	19.0
183078 2002 RY_{46}	16.3	X	2.40582	237.59017	133.46875	5.19340	0.1498496	0.28100313	2.3084932	20	12 17.9	18.7
183079 2002 RK_{49}	16.7	X	222.29710	257.46749	118.35918	3.63813	0.1955260	0.25929279	2.4356175	20	5 1.3	20.5
183080 2002 RA_{52}	16.2	X	5.34699	231.92981	139.92977	6.98253	0.1257683	0.28052776	2.3111004	20	12 19.7	18.8
183081 2002 RG_{52}	16.6	X	273.37873	279.99446	123.30942	2.83828	0.2100660	0.26889313	2.3772941	20	8 1.6	19.2
183082 2002 RH_{54}	16.4	X	270.52760	28.62256	24.08169	4.27445	0.1448486	0.27060692	2.3672463	20	8 24.6	19.1
183083 2002 RL_{54}	16.7	X	196.12502	261.68999	100.23921	2.86595	0.2138281	0.25336664	2.4734498	20	3 22.6	20.8
183084 2002 RY_{54}	16.3	X	21.31480	133.72972	211.81625	6.07226	0.1295396	0.28056036	2.3109214	20	12 7.3	18.9
183085 2002 RZ_{59}	16.5	X	206.47226	25.09904	207.79568	6.80748	0.0586032	0.29273173	2.2464125	20	—	—
183086 2002 RO_{72}	17.0	X	250.94191	15.97534	345.00198	7.36061	0.1250221	0.26344229	2.4099742	20	5 13.8	20.4
183087 2002 RG_{75}	16.9	X	307.48481	51.74116	332.94850	1.09955	0.2503030	0.27334840	2.3513920	20	9 2.9	18.3
183088 2002 RO_{79}	16.9	X	133.63543	21.30396	330.13989	2.13373	0.1528916	0.24315751	2.5422071	20	1 8.0	20.4
183089 2002 RA_{80}	16.9	X	223.77871	55.55725	349.79487	5.92712	0.0966259	0.26379653	2.4078162	20	6 16.8	20.4
183090 2002 RC_{81}	17.0	X	278.74105	337.88471	7.52270	3.39069	0.1402567	0.26468095	2.4024495	20	5 27.8	20.0
183091 2002 RR_{82}	17.1	X	192.86157	236.94192	162.83685	2.70962	0.1896322	0.25702152	2.4499453	20	5 5.1	21.0
183092 2002 RQ_{85}	17.1	X	232.79585	229.50570	165.12947	1.79496	0.2130005	0.26203268	2.4186094	20	6 1.9	20.7
183093 2002 RC_{87}	16.7	X	347.93372	334.84694	358.73684	2.64672	0.2179842	0.27369163	2.3494257	20	9 29.6	18.0
183094 2002 RF_{89}	16.9	X	220.79177	264.38084	347.51564	3.22775	0.2034775	0.30099326	2.2051165	20	—	—
183095 2002 RK_{98}	16.9	X	358.01083	165.80360	174.96348	6.22784	0.2627790	0.27580366	2.3374161	20	11 14.9	18.9
183096 2002 RP_{98}	16.3	X	71.16968	302.94785	19.49782	6.25649	0.1937900	0.28459364	2.2890358	20	—	—
183097 2002 RZ_{99}	16.9	X	66.02507	305.39571	6.12879	6.53909	0.2104254	0.28222368	2.3018326	20	12 25.0	20.5
183098 2002 RH_{100}	17.2	X	100.25792	140.52030	181.31856	5.10934	0.2585663	0.28928044	2.2642446	20	—	—
183099 2002 RJ_{100}	16.6	X	237.58765	225.25813	175.16067	6.57088	0.1590646	0.26231660	2.4168640	20	6 19.7	20.3
183100 2002 RT_{101}	16.5	X	11.29900	210.17279	163.36810	2.97471	0.2416329	0.27971002	2.3156026	20	—	—
183101 2002 RO_{103}	17.3	X	165.37235	108.63800	195.85438	3.08253	0.1815876	0.29667917	2.2264418	20	—	—
183102 2002 RM_{110}	16.2	X	97.58613	342.87478	307.06497	4.03475	0.1732396	0.28531465	2.2851778	20	12 25.1	19.8
183103 2002 RL_{116}	17.5	X	165.12140	50.60303	356.47705	5.18592	0.1936070	0.25506066	2.4624857	20	4 17.8	21.6
183104 2002 RL_{117}	16.7	X	328.57763	287.06966	37.58169	6.82682	0.1910427	0.26959315	2.3731771	20	7 23.6	18.6
183105 2002 RH_{118}	16.4	X	116.16092	194.16968	182.04981	5.28955	0.3472403	0.23959324	2.5673575	20	2 11.8	20.3
183106 2002 RB_{121}	16.4	X	325.27793	106.28988	255.68392	4.04793	0.2464552	0.27366740	2.3495643	20	9 12.4	17.6
183107 2002 RJ_{127}	15.5	X	286.64669	194.80513	251.96743	13.66940	0.0714541	0.22673320	2.6635405	20	11 4.7	19.0
183108 2002 RZ_{128}	17.1	X	73.52732	90.78343	228.99457	2.59736	0.1676147	0.28607032	2.2811518	20	—	—
183109 2002 RW_{133}	16.7	X	277.33520	320.42460	44.57620	7.51915	0.1293382	0.26654279	2.3912488	20	6 25.8	19.7
183110 2002 RC_{136}	16.5	X	178.42560	194.66311	115.71098	6.34328	0.1163092	0.30083096	2.2059095	20	—	—
183111 2002 RC_{137}	16.3	X	138.29890	11.49322	293.58286	4.66185	0.2435724	0.29272613	2.2464412	20	—	—
183112 2002 RF_{137}	16.4	X	54.87105	137.84774	209.67019	3.84756	0.1706328	0.28609299	2.2810312	20	—	—
183113 2002 RN_{139}	13.6	X	99.22016	285.35780	59.88411	13.75312	0.2080453	0.12534828	3.9541864	20	—	—
183114 Vicques	15.7	X	292.30738	52.99131	329.75258	5.73487	0.1491645	0.26972383	2.3724105	20	8 13.9	18.0
183115 2002 RP_{147}	17.0	X	308.43161	244.36527	131.09621	1.74545	0.0834369	0.27292640	2.3538151	20	9 10.7	19.2
183116 2002 RJ_{149}	17.3	X	112.30022	232.88899	80.94341	2.20253	0.1798285	0.29147961	2.2528413	20	—	—
183117 2002 RY_{155}	16.7	X	164.30798	306.76033	309.65218	3.21909	0.1513187	0.29148529	2.2528120	20	—	—
183118 2002 RE_{157}	16.8	X	276.48592	51.30680	281.55938	2.08063	0.2018968	0.26337291	2.4103974	20	4 27.8	20.1
183119 2002 RQ_{163}	16.9	X	96.96435	242.29570	160.02469	1.52173	0.1369702	0.24382908	2.5375370	20	1 23.9	19.8
183120 2002 RX_{169}	17.2	X	12.59190	122.04053	211.07163	3.35354	0.1474767	0.27931628	2.3177783	20	11 9.1	19.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
183121 2002 RV_{172}	16.9	X	99.73576	43.28454	216.58590	3.93542	0.1232770	0.28232855	2.3012626	20	11 16.6	20.3
183122 2002 RX_{174}	17.0	X	315.81585	82.54041	283.33423	2.50838	0.1884948	0.27295703	2.3536390	20	8 29.6	18.6
183123 2002 RN_{178}	17.5	X	33.32470	169.91475	164.91460	1.37839	0.1497959	0.28302316	2.2974958	20	12 12.4	20.3
183124 2002 RU_{179}	17.0	X	19.74707	45.61712	6.68776	3.01969	0.1806517	0.23123218	2.6288786	20	—	—
183125 2002 RC_{182}	16.1	X	256.97513	178.63968	218.00670	10.47428	0.2512205	0.26643193	2.3919120	20	6 24.1	19.7
183126 2002 RU_{194}	15.6	X	201.82963	264.74179	40.03365	1.15094	0.0619471	0.19191938	2.9766207	20	1 23.3	19.9
183127 2002 RM_{200}	16.5	X	112.17950	21.50145	249.31193	5.25356	0.1237720	0.28634070	2.2797155	20	12 13.6	19.9
183128 2002 RC_{201}	17.4	X	120.72656	175.61428	131.42505	3.87322	0.1569670	0.29235921	2.2483204	20	—	—
183129 2002 RO_{201}	16.9	X	253.04947	229.56706	140.76680	3.02743	0.2037132	0.26448073	2.4036618	20	5 22.8	20.3
183130 2002 RR_{201}	16.7	X	174.50724	164.14009	116.46913	3.49113	0.1224394	0.29721267	2.2237767	20	—	—
183131 2002 RG_{202}	16.1	X	342.05782	118.68723	243.31782	5.89951	0.0832059	0.22066064	2.7121859	20	10 5.4	19.4
183132 2002 RS_{202}	16.2	X	188.26460	170.58930	301.46863	6.77419	0.0286839	0.26877589	2.3779853	20	8 9.5	19.1
183133 2002 RK_{203}	16.7	X	199.25529	321.84062	102.91002	3.47649	0.1858294	0.26085766	2.4258670	20	6 11.2	20.4
183134 2002 RK_{210}	17.3	X	329.22030	124.91740	339.86133	1.58664	0.2527798	0.22934172	2.6433054	20	—	—
183135 2002 RW_{211}	16.7	X	112.14402	237.57617	107.92938	2.37883	0.1925674	0.29360249	2.2419688	20	—	—
183136 2002 RC_{216}	16.3	X	19.05401	340.04986	72.69672	3.93284	0.2135990	0.23279238	2.6171194	20	—	—
183137 2002 RW_{219}	16.8	X	191.12489	4.10534	55.83665	1.48790	0.2319713	0.26016131	2.4301938	20	5 27.6	21.0
183138 2002 RY_{222}	15.6	X	11.94913	261.24447	9.84278	13.12268	0.2063346	0.21528039	2.7571881	20	8 8.2	18.5
183139 2002 RW_{224}	17.4	X	344.92876	259.73456	77.24549	7.42338	0.1662177	0.27510243	2.3413864	20	9 28.6	19.4
183140 2002 RA_{231}	16.6	X	227.90615	324.87681	60.53741	7.45730	0.1049103	0.26205782	2.4184548	20	5 24.6	19.9
183141 2002 RW_{231}	16.2	X	261.60423	172.67920	221.11431	3.36424	0.0750734	0.21250840	2.7811131	20	7 19.1	20.1
183142 2002 RF_{238}	17.1	X	251.24922	355.55124	151.15825	6.58818	0.0572928	0.28579030	2.2826416	20	12 23.5	19.7
183143 2002 RC_{240}	16.5	X	93.55933	305.98896	210.26893	3.59536	0.0733510	0.26324862	2.4111560	20	6 12.2	19.5
183144 2002 RZ_{241}	16.3	X	21.37222	286.76025	219.48305	4.38206	0.1090258	0.25045117	2.4926081	20	2 4.9	18.9
183145 2002 RV_{248}	17.0	X	201.06317	253.05360	165.88416	3.94789	0.1945864	0.26167546	2.4208101	20	6 5.4	20.9
183146 2002 RH_{251}	16.8	X	171.82720	54.20491	165.24751	5.69524	0.1213484	0.28822905	2.2697475	20	12 10.1	20.0
183147 2002 RB_{252}	16.6	X	14.07676	246.65863	338.43746	3.37966	0.0841955	0.26209107	2.4182502	20	5 17.5	19.2
183148 2002 RZ_{253}	17.5	X	74.57985	70.86456	179.63912	6.21454	0.0907061	0.27638251	2.3341514	20	10 2.3	20.4
183149 2002 RL_{254}	17.3	X	149.62202	273.23606	209.54919	1.84689	0.1270594	0.26453861	2.4033112	20	7 8.8	21.0
183150 2002 RQ_{260}	17.4	X	220.52426	257.62409	159.83119	1.64173	0.1583319	0.26453109	2.4033567	20	6 24.1	20.9
183151 2002 RU_{261}	16.8	X	354.76567	146.95106	210.24813	4.14183	0.1699544	0.27839863	2.3228687	20	11 17.2	18.7
183152 2002 RR_{273}	17.3	X	20.07772	194.12137	120.06947	1.01035	0.2091156	0.27852293	2.3221775	20	11 4.2	19.7
183153 2002 SD_{1}	16.5	X	282.96125	344.98786	8.24879	6.19395	0.1371212	0.26543662	2.3978876	20	6 15.2	19.4
183154 2002 SK_{1}	16.8	X	109.81130	72.40533	335.33035	4.46841	0.2446992	0.24391362	2.5369506	20	3 3.3	20.2
183155 2002 SE_{3}	16.6	X	174.26575	233.43393	183.73578	11.71097	0.2811270	0.25486695	2.4637333	20	5 13.5	21.1
183156 2002 SR_{4}	16.6	X	222.92599	355.37738	52.90222	2.76041	0.1696337	0.26185419	2.4197084	20	6 13.2	20.2
183157 2002 SL_{7}	16.5	X	175.61236	338.95031	35.69193	3.85394	0.1536497	0.25103087	2.4887692	20	3 19.3	20.4
183158 2002 SS_{8}	16.3	X	348.40272	26.64487	191.05886	6.57746	0.1079254	0.25405128	2.4690040	20	3 21.3	19.0
183159 2002 SO_{10}	16.8	X	306.11915	191.59323	155.25545	3.75393	0.2093569	0.26815489	2.3816553	20	7 3.0	18.9
183160 2002 SO_{12}	16.9	X	61.26791	250.62602	45.82696	2.68523	0.1244739	0.27874602	2.3209383	20	11 20.8	19.9
183161 2002 SP_{14}	16.7	X	264.85101	346.50757	38.61286	4.23762	0.2140975	0.26579614	2.3957248	20	6 23.6	19.9
183162 2002 SR_{22}	16.6	X	72.78751	260.44924	29.67524	5.92835	0.1698866	0.28099843	2.3085190	20	11 29.8	19.9
183163 2002 SU_{22}	16.5	X	203.87768	311.89614	68.53316	6.98667	0.1851179	0.25647895	2.4533993	20	4 21.9	20.5
183164 2002 SF_{23}	16.4	X	263.44178	204.33754	171.19202	7.94883	0.1055242	0.26464348	2.4026762	20	6 24.8	19.6
183165 2002 SU_{23}	16.7	X	217.55973	81.56502	197.43100	5.43432	0.1840969	0.30314455	2.1946716	20	—	—
183166 2002 SF_{31}	16.9	X	227.12720	333.11603	58.32031	3.97173	0.2260672	0.26066311	2.4270739	20	5 22.1	20.6
183167 2002 SA_{33}	16.3	X	88.29107	59.76102	227.73365	5.75246	0.1172084	0.28140571	2.3062911	20	12 9.3	19.5
183168 2002 SO_{34}	17.0	X	162.34161	229.45911	83.31960	3.84184	0.1673376	0.29841843	2.2177825	20	—	—
183169 2002 SX_{35}	17.0	X	284.13949	190.69733	188.86856	2.00780	0.1962682	0.26742876	2.3859645	20	7 15.9	19.6
183170 2002 SD_{37}	16.5	X	19.68350	320.63589	43.10930	7.31139	0.1504838	0.28064137	2.3104767	20	—	—
183171 2002 SN_{37}	16.5	X	287.37515	171.16742	189.20977	6.13324	0.1537688	0.26563598	2.3966877	20	6 29.8	19.4
183172 2002 SG_{39}	16.1	X	43.67306	214.32683	120.02516	3.76482	0.1390923	0.28090870	2.3090106	20	12 22.4	19.1
183173 2002 SM_{39}	16.8	X	318.06883	312.72827	28.36734	2.55009	0.2032123	0.26992910	2.3712076	20	7 22.9	18.5
183174 2002 SH_{40}	16.7	X	329.33350	354.81301	23.29407	8.15578	0.1395505	0.27560740	2.3385256	20	10 23.5	18.6
183175 2002 SM_{40}	17.2	X	299.87664	290.28978	84.90763	2.61906	0.1189888	0.27055844	2.3675291	20	8 21.8	19.4
183176 2002 SV_{43}	16.9	X	20.69431	121.99843	177.72206	2.22538	0.2220618	0.27551154	2.3390681	20	10 16.9	19.3
183177 2002 SG_{47}	17.1	X	336.75594	36.04422	325.83553	1.65101	0.0739777	0.27516371	2.3410388	20	10 9.5	19.3
183178 2002 SO_{47}	17.0	X	104.80547	280.44989	7.65065	5.27454	0.2175349	0.28671623	2.2777245	20	12 30.8	20.8
183179 2002 SN_{48}	16.8	X	276.38497	245.77845	142.80228	5.05097	0.1615146	0.26776795	2.3839491	20	7 23.2	19.5
183180 2002 SQ_{49}	16.7	X	188.32090	298.89520	110.76279	3.04161	0.1911586	0.25636425	2.4541310	20	5 13.6	20.6
183181 2002 SH_{50}	16.6	X	255.15929	332.44774	38.12865	1.83776	0.2291962	0.26214366	2.4179267	20	5 21.4	20.0
183182 Weinheim	16.3	X	216.56907	100.71760	312.79041	6.90064	0.3201272	0.26010493	2.4305450	20	6 4.3	20.7
183183 2002 SH_{51}	16.2	X	95.28482	293.29755	23.65163	21.57662	0.2637060	0.28872729	2.2671356	20	—	—
183184 2002 SR_{54}	16.8	X	51.46830	106.20709	217.40071	5.54136	0.1420528	0.28299346	2.2976566	20	12 18.2	19.9
183185 2002 SH_{55}	16.8	X	77.45228	336.04641	327.84132	3.88867	0.1400890	0.28403599	2.2920309	20	12 21.0	20.1
183186 2002 SM_{59}	16.5	X	155.02304	194.63657	44.49748	7.54608	0.0839285	0.28786688	2.2716508	20	12 18.8	19.6
183187 2002 SA_{65}	17.5	X	91.22897	246.78284	19.54966	5.62317	0.1516947	0.28359553	2.2944035	20	11 16.8	21.0
183188 2002 SQ_{65}	17.3	X	116.29396	249.05138	41.04066	5.29261	0.1399849	0.28972122	2.2619474	20	—	—
183189 2002 SY_{67}	17.4	X	93.76856	99.66161	174.03397	5.27887	0.1594413	0.28226569	2.3016043	20	11 30.9	20.9
183190 2002 SC_{70}	17.3	X	100.12291	58.76307	2.08491	9.50889	0.2067457	0.24446718	2.5331195	20	3 5.5	20.5
183191 2002 ST_{71}	16.2	X	339.72640	253.08226	158.19155	13.53908	0.1913884	0.22386359	2.6862540	20	12 20.8	19.2
183192 2002 TR_{4}	16.1	X	208.84722	342.09277	67.18138	3.45984	0.2014129	0.25862566	2.4398042	20	5 30.1	20.2
183193 2002 TY_{4}	16.7	X	245.44704	272.19723	144.65278	5.16541	0.2144671	0.26462107	2.4028119	20	7 13.7	20.1
183194 2002 TC_{5}	16.3	X	270.71647	242.29423	179.54102	6.46071	0.1020202	0.27025137	2.3693222	20	9 11.9	18.9
183195 2002 TW_{5}	16.6	X	173.87044	268.46343	30.63745	7.31921	0.1873731	0.29726126	2.2235344	20	—	—
183196 2002 TN_{7}	16.5	X	57.51567	328.35122	345.82500	2.54944	0.0633052	0.27971057	2.3155996	20	12 1.6	19.4
183197 2002 TG_{10}	16.2	X	298.58401	354.94934	6.69719	7.10723	0.1301469	0.26752079	2.3854173	20	7 28.7	18.8
183198 2002 TH_{13}	17.1	X	341.50540	67.13379	249.65497	1.62948	0.1690147	0.26934028	2.3746622	20	8 9.4	18.7
183199 2002 TS_{13}	16.5	X	252.56027	352.91669	79.63555	3.47152	0.1672711	0.26818759	2.3814617	20	8 22.5	19.4
183200 2002 TP_{15}	16.6	X	331.72471	311.93364	55.22931	2.29704	0.1449639	0.27478870	2.3431682	20	10 12.7	18.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
183201 2002 TE_{17}	16.9	X	66.13767	113.25579	207.26464	4.51620	0.1871768	0.28423812	2.2909442	20	—	—
183202 2002 TP_{17}	16.4	X	309.14022	120.40934	238.58099	1.68231	0.1179624	0.21395196	2.7685893	20	8 4.8	19.6
183203 2002 TS_{17}	16.9	X	70.01515	277.42541	5.96505	7.51928	0.1422321	0.27927718	2.3179946	20	11 13.9	20.2
183204 2002 TZ_{18}	16.7	X	92.75276	40.51120	299.11848	1.43290	0.1926228	0.29026262	2.2591339	20	—	—
183205 2002 TX_{19}	17.0	X	288.49045	318.13264	55.54122	2.97669	0.2105470	0.26775074	2.3840513	20	7 12.8	19.4
183206 2002 TT_{22}	16.7	X	217.68339	137.82650	217.32018	0.79653	0.1084402	0.25455204	2.4657649	20	4 3.3	20.2
183207 2002 TE_{23}	16.8	X	231.69223	356.00932	27.83295	2.73265	0.2260511	0.26011476	2.4304837	20	5 16.1	20.7
183208 2002 TR_{28}	16.8	X	347.81106	292.64021	53.59056	2.89684	0.2247214	0.27398631	2.3477408	20	10 23.1	18.3
183209 2002 TW_{28}	15.9	X	237.19206	227.21650	184.09111	6.40865	0.1026230	0.26352976	2.4094408	20	7 10.1	19.2
183210 2002 TE_{29}	16.9	X	329.04579	288.19509	47.47663	1.98566	0.2023449	0.26949288	2.3737657	20	8 11.2	18.3
183211 2002 TZ_{30}	16.6	X	222.27581	192.76584	193.43472	2.22597	0.1826381	0.25816261	2.4427207	20	5 14.3	20.3
183212 2002 TG_{31}	16.4	X	130.70358	125.00247	192.96723	5.43595	0.2093167	0.29242241	2.2479964	20	—	—
183213 2002 TE_{33}	16.0	X	129.22626	227.79277	356.58641	6.66859	0.0531197	0.27760230	2.3273088	20	10 27.6	19.3
183214 2002 TW_{34}	16.6	X	184.51361	247.67015	184.01939	4.72808	0.0829607	0.25925996	2.4358231	20	6 8.4	20.2
183215 2002 TZ_{34}	17.0	X	45.18130	8.68768	35.92659	1.59086	0.1366098	0.23357358	2.6112808	20	—	—
183216 2002 TJ_{36}	16.5	X	201.94531	259.08502	196.68748	6.22570	0.0760510	0.26433053	2.4045722	20	7 30.3	19.8
183217 2002 TQ_{36}	16.5	X	319.50765	305.60966	58.71882	4.90003	0.2169359	0.27070667	2.3666648	20	9 7.4	18.1
183218 2002 TK_{37}	16.7	X	255.88130	197.18732	195.81189	6.14706	0.1132357	0.26367021	2.4085851	20	7 7.2	20.0
183219 2002 TN_{37}	17.0	X	96.71592	248.74405	185.83734	5.25573	0.2004813	0.24440011	2.5335829	20	3 15.8	20.2
183220 2002 TJ_{39}	16.2	X	96.89610	104.98505	223.63463	6.66927	0.2793126	0.28797835	2.2710646	20	—	—
183221 2002 TQ_{39}	15.4	X	85.86951	330.85269	94.56007	5.45872	0.2553071	0.23796631	2.5790459	20	3 1.2	18.5
183222 2002 TN_{41}	16.9	X	307.30246	295.45984	53.22279	5.27625	0.2757132	0.26748333	2.3856400	20	6 25.9	19.0
183223 2002 TS_{43}	16.5	X	123.86096	74.29832	209.28559	3.49532	0.1650195	0.28487619	2.2875220	20	—	—
183224 2002 TT_{43}	16.2	X	269.56956	203.01794	202.35025	5.89882	0.1034372	0.26713543	2.3877108	20	8 14.6	19.1
183225 2002 TX_{44}	16.1	X	320.69334	157.00795	196.31066	9.46479	0.1302503	0.26876861	2.3780283	20	8 21.9	18.4
183226 2002 TW_{47}	16.7	X	77.72337	289.45090	61.03509	3.81145	0.1792375	0.28681720	2.2771899	20	—	—
183227 2002 TY_{47}	15.8	X	319.46209	308.51670	60.36676	4.58902	0.2167699	0.27069035	2.3667599	20	9 15.3	17.3
183228 2002 TT_{48}	16.7	X	25.30116	314.77726	32.10464	4.27157	0.2384438	0.27884921	2.3203657	20	12 30.4	19.7
183229 2002 TD_{57}	16.4	X	131.48101	100.22458	205.66953	9.52100	0.2106188	0.29181308	2.2511246	20	—	—
183230 2002 TC_{58}	14.6	X	339.27090	204.85464	129.44511	18.72179	0.4258082	0.22040468	2.7142854	20	8 21.3	15.0
183231 2002 TJ_{70}	15.0	X	145.42264	103.70056	242.90626	8.16287	0.1281210	0.18640813	3.0350055	20	1 18.0	19.7
183232 2002 TQ_{70}	16.3	X	4.18332	77.78853	320.73881	17.49226	0.2104340	0.22761263	2.6566753	20	—	—
183233 2002 TD_{72}	16.6	X	338.52104	92.52361	342.46558	7.67111	0.3283885	0.22486988	2.6782341	20	—	—
183234 2002 TC_{73}	16.4	X	269.10408	6.06848	336.33491	6.93212	0.1167364	0.26028133	2.4294467	20	5 12.3	19.7
183235 2002 TZ_{78}	16.2	X	32.18213	314.83443	125.03150	5.98932	0.2509372	0.23352977	2.6116074	20	—	—
183236 2002 TQ_{81}	17.1	X	32.46734	259.17715	74.60196	3.71192	0.2085104	0.28197716	2.3031741	20	12 17.9	19.9
183237 2002 TR_{82}	16.9	X	84.17560	4.02831	56.12735	2.57270	0.1693734	0.24140936	2.5544651	20	2 4.6	19.7
183238 2002 TF_{85}	16.7	X	338.21977	296.19868	67.92886	7.10487	0.1849395	0.27386600	2.3484283	20	10 26.8	18.5
183239 2002 TS_{90}	16.3	X	72.34938	308.90159	328.42842	4.22174	0.0966925	0.27561359	2.3384906	20	11 3.0	19.5
183240 2002 TG_{96}	15.1	X	171.82197	142.64645	231.43615	6.12044	0.2027159	0.24370773	2.5383793	20	3 13.9	19.3
183241 2002 TV_{98}	16.9	X	212.83730	256.25989	160.19988	4.89950	0.0499333	0.26305884	2.4123156	20	6 23.3	20.1
183242 2002 TT_{107}	16.5	X	112.29753	32.25907	199.62622	6.59243	0.0730507	0.27497836	2.3420907	20	10 20.6	19.5
183243 2002 TV_{108}	16.4	X	173.26084	205.97873	87.23648	8.81243	0.1701813	0.29717688	2.2239552	20	—	—
183244 2002 TM_{111}	17.1	X	34.56538	135.47104	175.56563	7.57054	0.2362008	0.28045497	2.3115003	20	11 25.7	20.2
183245 2002 TY_{111}	16.8	X	263.91938	289.31890	102.97916	3.07477	0.2126541	0.26727193	2.3868978	20	7 2.8	19.8
183246 2002 TT_{121}	16.3	X	40.72628	284.66160	313.95371	6.03738	0.0838587	0.26341760	2.4101248	20	7 25.4	19.0
183247 2002 TB_{124}	16.4	X	277.89878	325.28890	335.63212	15.75994	0.0738482	0.25717898	2.4489452	20	3 29.8	19.9
183248 2002 TU_{125}	16.8	X	31.35753	212.44757	140.93325	6.75229	0.1363307	0.28312587	2.2969402	20	—	—
183249 2002 TG_{131}	16.6	X	348.65394	13.43230	334.10981	5.79975	0.1655026	0.27482979	2.3429346	20	10 15.5	18.7
183250 2002 TN_{131}	16.4	X	259.17521	41.16895	338.05329	6.69503	0.1132960	0.26422254	2.4052274	20	6 23.4	19.6
183251 2002 TE_{134}	16.2	X	344.92925	63.77077	281.25915	4.69916	0.1529189	0.27376644	2.3489976	20	10 1.7	18.3
183252 2002 TS_{155}	16.5	X	198.90065	4.30153	253.98870	6.91614	0.1405255	0.29688846	2.2253953	20	—	—
183253 2002 TJ_{163}	16.2	X	31.51984	313.26193	138.10172	14.78815	0.0158834	0.23720858	2.5845352	20	—	—
183254 2002 TK_{166}	16.7	X	110.92481	211.90212	185.20273	6.76608	0.2912224	0.24466848	2.5317299	20	2 24.9	20.3
183255 2002 TX_{168}	15.8	X	74.61379	180.22410	259.99677	11.37074	0.1842370	0.24290318	2.5439813	20	2 12.1	18.8
183256 2002 TL_{174}	15.9	X	186.52435	354.33537	59.13744	7.54737	0.1052447	0.25751428	2.4468190	20	5 16.6	19.5
183257 2002 TA_{185}	17.0	X	260.96154	118.60025	262.30147	2.46140	0.1361135	0.26511319	2.3998375	20	6 24.4	20.0
183258 2002 TT_{195}	15.8	X	17.55565	63.10535	41.73368	29.90766	0.3368139	0.23144238	2.6272866	20	—	—
183259 2002 TT_{196}	16.7	X	249.47366	211.54124	197.82842	6.04406	0.1815772	0.26772265	2.3842180	20	7 11.9	20.0
183260 2002 TB_{208}	15.8	X	55.44135	111.65979	20.84309	12.64624	0.2336722	0.24317354	2.5420954	20	4 7.3	18.2
183261 2002 TE_{208}	16.7	X	355.87311	46.50277	5.95827	3.85099	0.2640762	0.22490550	2.6779512	20	—	—
183262 2002 TS_{209}	16.7	X	57.52561	202.68387	128.63461	6.88086	0.2675424	0.28413562	2.2914951	20	—	—
183263 2002 TG_{215}	16.1	X	348.16094	252.45478	72.66266	6.90126	0.1152639	0.27003558	2.3705842	20	9 10.7	18.4
183264 2002 TH_{220}	16.8	X	196.37929	322.78656	281.45974	7.13298	0.1043349	0.29134568	2.2535316	20	—	—
183265 2002 TR_{223}	16.6	X	2.98147	157.10485	172.06220	1.92266	0.1856984	0.27248384	2.3563631	20	10 22.0	18.6
183266 2002 TJ_{225}	16.6	X	276.08470	311.01160	59.50624	5.40062	0.1521504	0.26351824	2.4095111	20	6 28.1	19.6
183267 2002 TW_{225}	16.1	X	58.98885	130.20139	182.48497	6.42922	0.2297086	0.27897870	2.3196476	20	12 20.9	19.7
183268 2002 TE_{227}	16.5	X	307.01802	322.40648	66.53211	4.65213	0.1311887	0.27065659	2.3669567	20	9 26.6	18.7
183269 2002 TB_{241}	16.7	X	306.82382	292.49604	56.16054	2.15256	0.2008810	0.26761688	2.3848462	20	7 9.6	19.0
183270 2002 TC_{241}	16.4	X	223.38915	27.53812	59.50127	2.72516	0.1344635	0.26578294	2.3958041	20	8 10.1	19.6
183271 2002 TL_{248}	16.7	X	300.41489	160.00491	139.96212	3.26554	0.1945196	0.26122104	2.4236168	20	4 17.8	19.6
183272 2002 TS_{251}	16.5	X	134.50023	60.95285	24.18601	4.94198	0.1185960	0.25421989	2.4679122	20	5 1.8	19.9
183273 2002 TP_{258}	16.4	X	10.35482	223.17135	118.48029	3.70832	0.1828501	0.27497451	2.3421126	20	11 23.2	18.8
183274 2002 TS_{258}	16.7	X	48.04384	9.96611	49.77990	7.85321	0.2574053	0.23320263	2.6140492	20	—	—
183275 2002 TE_{260}	17.2	X	156.83312	163.92685	199.92748	4.88359	0.2374983	0.24528598	2.5274791	20	2 20.9	21.5
183276 2002 TT_{260}	15.5	X	25.44756	52.10831	52.78518	31.57012	0.3012625	0.23202898	2.6228567	20	—	—
183277 2002 TV_{261}	17.0	X	282.81124	280.83664	45.54461	5.77907	0.1712319	0.26127589	2.4232776	20	5 2.6	19.9
183278 2002 TP_{270}	16.3	X	31.14496	149.44242	261.80733	2.79060	0.1120315	0.23240075	2.6200588	20	—	—
183279 2002 TG_{271}	16.4	X	70.90195	49.41200	237.84269	5.42215	0.1082880	0.27809038	2.3245849	20	11 18.1	19.3
183280 2002 TT_{274}	16.6	X	30.39014	156.30372	278.67784	3.06601	0.2299317	0.23290274	2.6162926	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
183281 2002 TC_{278}	15.9	X	331.63432	17.17144	317.22371	6.54184	0.1454178	0.26926360	2.3751131	20	8 16.7	17.9
183282 2002 TM_{283}	15.7	X	295.58199	141.50687	230.72190	7.66643	0.2731346	0.26774557	2.3840820	20	7 9.2	18.3
183283 2002 TY_{287}	16.2	X	108.97980	336.43976	350.03854	4.87880	0.2095183	0.28845045	2.2685860	20	—	—
183284 2002 TU_{294}	15.8	X	325.08508	310.60971	17.01535	23.59771	0.0799618	0.26505137	2.4002106	20	8 10.6	19.1
183285 2002 TD_{298}	15.8	X	335.54140	117.49912	241.10256	5.21785	0.0229164	0.21814215	2.7330211	20	9 19.3	19.4
183286 2002 TP_{304}	17.4	X	236.30569	229.63175	123.22627	5.45776	0.1154908	0.25729642	2.4481999	20	4 22.5	21.0
183287 Deisenstein	17.3	X	134.51974	236.67724	264.97087	2.25254	0.1144100	0.26492356	2.4009825	20	7 17.2	20.8
183288 Eyer	17.6	X	43.65119	96.31226	165.01919	6.13392	0.2071209	0.27263946	2.3554663	20	9 23.9	20.3
183289 2002 TR_{345}	17.0	X	64.48541	74.12063	109.04236	7.36878	0.1672633	0.25717755	2.4489543	20	6 24.4	19.8
183290 2002 TP_{375}	17.2	X	257.41835	2.23594	13.26696	2.18787	0.1707522	0.26542731	2.3979437	20	6 6.9	20.5
183291 2002 TC_{376}	16.5	X	295.55130	185.63363	128.03282	7.51326	0.0842662	0.25956035	2.4339434	20	5 19.6	19.6
183292 2002 TK_{376}	14.2	X	42.55250	216.15339	320.07137	16.06692	0.2894280	0.18486824	3.0518359	20	5 24.9	17.9
183293 2002 TD_{378}	15.4	X	69.82494	90.40519	249.66636	4.80310	0.1496131	0.17210926	3.2008592	20	—	—
183294 Langbroek	15.3	X	198.52628	194.69922	105.87125	6.32052	0.1126363	0.18588262	3.0407230	20	1 16.3	20.0
183295 2002 UJ	15.6	X	106.43340	168.70159	163.00167	24.39780	0.2204285	0.28986233	2.2612133	20	—	—
183296 2002 UX_{2}	15.6	X	76.57125	83.07549	341.09688	21.44939	0.1392203	0.23730614	2.5838268	20	1 31.7	18.9
183297 2002 UZ_{5}	16.8	X	216.28734	243.80789	157.30968	7.69765	0.1211842	0.25927663	2.4357187	20	6 1.9	20.5
183298 2002 UB_{14}	15.7	X	18.88295	263.11968	189.42376	12.80454	0.1593437	0.23269421	2.6178554	20	—	—
183299 2002 UD_{19}	16.5	X	76.86083	351.50425	83.36389	5.32239	0.1938663	0.23912294	2.5707226	20	2 18.6	19.4
183300 2002 UH_{19}	16.7	X	307.70705	147.60862	212.50108	2.32571	0.1688252	0.26666493	2.3905185	20	8 3.1	18.8
183301 2002 UN_{20}	16.6	X	78.19647	285.55822	170.09748	3.52036	0.2086590	0.24216822	2.5491259	20	3 20.4	19.6
183302 2002 UB_{26}	15.9	X	156.97090	8.94266	51.56694	15.66344	0.1431581	0.25153702	2.4854295	20	4 28.7	19.8
183303 2002 UU_{33}	16.4	X	335.15932	284.37813	42.19445	6.55746	0.1579708	0.26668571	2.3903943	20	8 15.3	18.5
183304 2002 UZ_{37}	16.6	X	13.33137	246.76250	62.50916	2.53829	0.1698946	0.27125227	2.3634902	20	10 8.8	18.8
183305 2002 UR_{41}	16.6	X	213.29449	299.70098	129.72378	3.53622	0.1162906	0.25993364	2.4316126	20	7 5.6	20.1
183306 2002 UM_{48}	16.2	X	290.05648	305.77694	135.30399	8.67272	0.2053042	0.21755836	2.7379081	20	10 20.0	19.2
183307 2002 UZ_{55}	17.4	X	107.48654	133.62179	112.20924	7.05134	0.2179815	0.27729028	2.3290543	20	11 12.3	21.3
183308 2002 UR_{72}	15.3	X	61.51424	72.18625	253.97879	2.44248	0.0285395	0.16905558	3.2392891	20	11 22.7	19.9
183309 2002 VQ	13.7	X	294.07794	236.58379	43.70513	5.59831	0.0705781	0.08467691	5.1360122	20	4 13.1	20.3
183310 2002 VK_{6}	17.3	X	181.14078	243.55203	187.69211	1.85802	0.1826635	0.25528602	2.4610363	20	6 3.2	21.2
183311 2002 VV_{9}	16.3	X	117.92413	352.10290	296.87015	4.64475	0.2302432	0.28503634	2.2866651	20	—	—
183312 2002 VD_{10}	16.9	X	53.23399	114.14325	330.56161	4.31387	0.2787025	0.23619360	2.5919341	20	1 28.7	18.7
183313 2002 VH_{14}	15.5	X	47.46676	249.63338	62.17624	24.72302	0.2673600	0.27630422	2.3345922	20	12 9.5	19.0
183314 2002 VJ_{18}	16.5	X	85.80592	34.78143	43.30684	6.84803	0.0439498	0.24270915	2.5453370	20	2 14.5	19.8
183315 2002 VS_{21}	16.4	X	9.51412	74.75990	345.64877	5.74358	0.1171534	0.22835188	2.6509385	20	—	—
183316 2002 VP_{27}	16.2	X	188.11660	343.20047	9.15021	1.84590	0.1280462	0.24637518	2.5200244	20	3 2.2	19.9
183317 2002 VY_{27}	16.2	X	336.82986	296.16702	61.91495	7.33601	0.1405583	0.26984998	2.3716711	20	10 10.5	18.3
183318 2002 VH_{34}	15.7	X	100.29436	7.69795	65.02369	15.62565	0.1416978	0.24095058	2.5577067	20	3 19.5	19.4
183319 2002 VT_{41}	16.5	X	251.83309	138.81206	210.45190	6.21930	0.1493528	0.25686905	2.4509147	20	4 29.3	20.1
183320 2002 VE_{42}	16.3	X	182.76767	348.45507	356.11626	4.91905	0.1912979	0.24571134	2.5245613	20	2 19.6	20.5
183321 2002 VE_{44}	16.3	X	270.15463	344.64044	89.06390	7.34706	0.0515191	0.26988810	2.3714477	20	10 11.0	19.2
183322 2002 VO_{49}	16.4	X	47.10180	306.97730	135.59176	4.32680	0.1959677	0.23443325	2.6048932	20	1 1.6	18.8
183323 2002 VV_{50}	16.8	X	199.04074	337.21979	83.51873	4.24987	0.1748422	0.25762866	2.4460947	20	6 6.1	20.7
183324 2002 VK_{51}	16.4	X	83.01887	230.41493	87.97711	6.35696	0.1847852	0.28356239	2.2945823	20	—	—
183325 2002 VQ_{51}	17.0	X	1.91249	205.87502	131.93623	3.46180	0.2515920	0.27439596	2.3454035	20	11 15.1	19.1
183326 2002 VK_{52}	16.4	X	279.34419	330.23776	84.74673	7.71259	0.0999784	0.27017191	2.3697867	20	9 21.8	19.1
183327 2002 VP_{52}	16.5	X	103.56442	253.26877	65.19560	7.73014	0.1303217	0.28681141	2.2772206	20	—	—
183328 2002 VY_{55}	16.9	X	352.91703	295.25213	45.05638	3.24642	0.1968781	0.27137303	2.3627889	20	10 20.2	18.6
183329 2002 VA_{56}	16.1	X	295.09447	311.49837	128.52190	5.57892	0.0885984	0.21902522	2.7256702	20	11 9.0	19.4
183330 2002 VC_{67}	15.5	X	96.06202	340.64571	35.73493	1.65476	0.1047830	0.18076760	3.0978162	20	—	—
183331 2002 VF_{67}	16.2	X	71.21323	203.53599	213.61987	4.45216	0.1835147	0.23714084	2.5850273	20	1 10.8	19.0
183332 2002 VR_{72}	16.6	X	170.43423	313.57395	136.26445	4.32161	0.1703933	0.25551708	2.4595524	20	6 17.3	20.6
183333 2002 VB_{77}	16.7	X	240.81594	208.23771	196.43696	6.11877	0.1381185	0.26086046	2.4258496	20	6 30.9	20.1
183334 2002 VR_{77}	16.3	X	128.60226	255.85408	157.56985	3.93462	0.2263308	0.24474057	2.5312327	20	3 28.8	20.2
183335 2002 VQ_{80}	16.1	X	303.92752	243.05603	93.49450	6.87653	0.1349165	0.26124270	2.4234828	20	6 25.4	18.6
183336 2002 VQ_{81}	15.9	X	49.15283	321.81730	138.38430	5.80090	0.2163853	0.23601909	2.5932116	20	2 2.9	17.9
183337 2002 VX_{82}	16.5	X	60.75967	355.41951	106.41958	4.86657	0.1363702	0.23979418	2.5659230	20	2 19.6	19.3
183338 2002 VM_{83}	16.1	X	95.02483	345.03759	75.32982	15.01587	0.1663836	0.23951282	2.5679321	20	2 26.8	19.7
183339 2002 VV_{86}	15.1	X	56.91339	106.54516	280.61761	6.24004	0.1989936	0.17551048	3.1593714	20	—	—
183340 2002 VC_{87}	17.0	X	12.35523	85.43991	11.47858	6.49391	0.2579525	0.23042339	2.6350266	20	—	—
183341 2002 VQ_{89}	16.6	X	31.91204	309.61546	118.08588	5.75988	0.2239765	0.23183672	2.6243066	20	—	—
183342 2002 VF_{90}	16.6	X	34.57424	1.01646	111.16786	3.54462	0.1465701	0.23756206	2.5819708	20	1 16.4	19.0
183343 2002 VN_{92}	16.8	X	196.79919	219.70627	213.13783	4.02502	0.1104982	0.25761597	2.4461750	20	6 22.2	20.4
183344 2002 VE_{93}	16.8	X	44.58347	322.27854	126.69226	3.02331	0.1801729	0.23534549	2.5981574	20	1 4.5	19.0
183345 2002 VB_{100}	16.2	X	108.99852	132.87088	263.61648	2.13391	0.1696814	0.24022680	2.5628415	20	2 6.5	19.6
183346 2002 VH_{104}	17.0	X	9.90971	314.84328	17.09639	2.70388	0.2152625	0.27338641	2.3511740	20	11 11.9	19.3
183347 2002 VJ_{108}	16.4	X	286.00087	328.81071	32.27253	4.45761	0.1848381	0.26248502	2.4158300	20	6 23.6	19.2
183348 2002 VE_{109}	15.9	X	125.96200	14.41787	47.54969	6.63875	0.2069212	0.24370868	2.5383727	20	4 5.2	19.7
183349 2002 VZ_{109}	15.8	X	59.02420	8.73725	57.52610	5.39132	0.2580025	0.23260943	2.6184916	20	1 12.7	17.9
183350 2002 VC_{110}	16.6	X	307.73501	270.81516	56.56757	3.41337	0.1812169	0.26289151	2.4133391	20	6 10.1	18.8
183351 2002 VP_{111}	16.1	X	321.39028	340.27754	318.77583	7.12424	0.0966620	0.25967269	2.4332414	20	6 3.7	18.8
183352 2002 VG_{114}	16.6	X	59.75139	126.43770	310.40611	0.32689	0.1374865	0.23609058	2.5926881	20	1 13.3	19.1
183353 2002 VQ_{119}	15.5	X	157.69586	27.38173	6.36228	4.60685	0.1938923	0.24553415	2.5257757	20	3 27.5	19.5
183354 2002 VW_{119}	14.6	X	172.54445	87.29481	284.01875	12.67008	0.2437362	0.24490557	2.5300956	20	3 8.4	19.2
183355 2002 VS_{122}	16.2	X	296.72374	344.36245	333.98661	6.25598	0.1691688	0.25912719	2.4366551	20	5 8.7	19.3
183356 2002 VH_{124}	16.7	X	236.52971	12.01313	333.76507	2.06331	0.2089716	0.25726718	2.4483855	20	4 3.2	20.5
183357 Rickshelton	16.9	X	96.71782	198.86436	232.23087	5.61589	0.2203191	0.24303256	2.5430784	20	3 12.2	20.2
183358 2002 VM_{131}	13.1	X	209.98469	300.29065	73.63551	12.00276	0.0928492	0.08302254	5.2040172	20	4 30.1	20.4
183359 2002 VS_{134}	16.0	X	55.17981	69.06326	359.87607	6.86425	0.1925520	0.23393793	2.6085687	20	—	—
183360 2002 VN_{140}	16.2	X	259.50488	313.08900	90.28909	1.32458	0.0622866	0.20644444	2.8353102	20	7 31.8	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
183361 2002 VO_{141}	16.0	X	331.72635	316.35227	125.07829	14.39477	0.2266309	0.22278755	2.6948966	20	—	—
183362 2002 WB_{13}	16.5	X	59.79990	87.22809	17.12568	5.06478	0.1831422	0.23988769	2.5652562	20	2 28.1	19.1
183363 2002 WC_{13}	16.7	X	302.25557	77.76791	264.06677	2.34564	0.1428439	0.26299067	2.4127324	20	6 29.3	19.3
183364 2002 WT_{16}	15.1	X	27.68599	248.02984	224.06920	13.55222	0.0362637	0.17881593	3.1203161	20	1 13.6	19.5
183365 2002 WK_{20}	16.4	X	70.56433	262.63502	50.04823	7.14947	0.2137058	0.27946147	2.3169754	20	12 30.3	20.0
183366 2002 WU_{22}	16.8	X	27.67765	248.53378	73.13146	7.94212	0.1366845	0.27250693	2.3562300	20	11 13.5	19.5
183367 2002 XJ	16.6	X	316.07068	258.07194	103.86567	2.38362	0.1955300	0.26812830	2.3818127	20	8 24.1	18.3
183368 2002 XD_{7}	15.8	X	330.33137	261.01817	240.15058	11.59181	0.2029579	0.23073749	2.6326347	20	—	—
183369 2002 XZ_{15}	16.1	X	6.38885	133.90106	329.31590	10.23058	0.1389886	0.23154389	2.6265187	20	—	—
183370 2002 XE_{17}	15.8	X	54.50193	17.51858	67.89274	22.95412	0.0804454	0.23329007	2.6133960	20	1 12.3	19.3
183371 2002 XP_{20}	16.5	X	165.09541	9.91757	342.53753	2.31197	0.1968321	0.24330979	2.5411462	20	2 13.6	20.5
183372 2002 XZ_{21}	15.3	X	159.42565	354.24302	44.99168	3.91160	0.2124144	0.24574775	2.5243119	20	4 6.9	19.4
183373 2002 XO_{22}	16.0	X	20.25579	104.38582	46.73566	7.22025	0.1781769	0.23798921	2.5788804	20	2 16.6	18.4
183374 2002 XC_{25}	16.3	X	134.60338	0.41076	348.14334	0.36235	0.1962136	0.23612932	2.5924045	20	1 11.7	20.2
183375 2002 XT_{29}	16.3	X	350.02721	315.62802	181.97052	6.22280	0.2235506	0.23017771	2.6369013	20	—	—
183376 2002 XM_{30}	15.6	X	35.07817	143.20844	286.37850	14.38935	0.1514959	0.23108142	2.6300219	20	—	—
183377 2002 XM_{31}	16.3	X	358.81845	180.74294	307.60267	3.43417	0.1824122	0.23153026	2.6266218	20	—	—
183378 2002 XG_{37}	16.1	X	39.64181	43.47843	15.80121	13.43907	0.2535982	0.22822892	2.6518905	20	—	—
183379 2002 XL_{44}	16.9	X	247.58270	297.10196	105.25576	4.80243	0.1196620	0.26066169	2.4270827	20	7 9.4	20.2
183380 2002 XP_{48}	16.6	X	47.30843	149.57916	176.64220	1.93857	0.2216700	0.27711299	2.3300476	20	12 25.1	20.0
183381 2002 XC_{49}	15.0	X	125.15678	278.35338	63.42384	11.19816	0.0651302	0.17558860	3.1584342	20	—	—
183382 2002 XJ_{51}	16.6	X	132.10087	301.57608	98.13607	2.59903	0.1538480	0.24194126	2.5507198	20	3 7.9	20.3
183383 2002 XM_{54}	15.1	X	56.07492	213.50589	230.04151	11.31249	0.1073764	0.17921893	3.1156366	20	1 21.9	19.3
183384 2002 XD_{55}	16.3	X	48.11093	221.47069	215.42403	4.90686	0.1316977	0.23321516	2.6139556	20	—	—
183385 2002 XN_{58}	16.0	X	85.43739	226.07021	199.13162	3.77762	0.2387189	0.23726442	2.5841297	20	2 22.8	19.0
183386 2002 XR_{59}	15.5	X	297.25364	70.79297	94.08349	5.41998	0.2011058	0.22341921	2.6898148	20	—	—
183387 2002 XE_{60}	16.5	X	264.75857	270.79144	91.86610	2.52903	0.2079625	0.25907038	2.4370113	20	5 24.7	19.8
183388 2002 XL_{60}	16.7	X	301.15362	288.51694	83.81849	2.44018	0.1996935	0.26625130	2.3929937	20	8 5.9	18.9
183389 2002 XD_{63}	15.4	X	106.08235	2.86788	53.56935	11.84620	0.1694744	0.18342712	3.0677998	20	3 12.5	20.1
183390 2002 XX_{66}	15.8	X	180.43262	96.15545	251.08922	2.58548	0.2361060	0.24427358	2.5344578	20	2 20.2	20.3
183391 2002 XG_{72}	16.1	X	115.97110	359.58021	359.63063	3.26265	0.1567319	0.23522393	2.5990525	20	—	—
183392 2002 XU_{72}	16.7	X	113.88636	27.58652	32.28573	3.63642	0.1698149	0.24223877	2.5486309	20	3 15.3	20.1
183393 2002 XJ_{73}	15.9	X	40.32916	74.93785	42.10316	4.12388	0.2193053	0.23611851	2.5924837	20	2 10.6	18.1
183394 2002 XH_{75}	16.0	X	358.66515	16.27443	72.80117	10.25962	0.2077827	0.22596246	2.6695938	20	—	—
183395 2002 XT_{76}	16.7	X	68.90665	347.60526	30.07991	4.45118	0.2189924	0.23077091	2.6323805	20	—	—
183396 2002 XZ_{76}	15.3	X	122.20899	342.46332	58.99763	11.03271	0.1015225	0.18399691	3.0614631	20	3 3.2	20.0
183397 2002 XT_{80}	16.3	X	112.98687	35.49432	35.45929	4.16306	0.2216164	0.24065363	2.5598103	20	4 3.8	19.9
183398 2002 XS_{91}	15.6	X	330.80997	253.11024	265.67549	9.95067	0.1314065	0.23011973	2.6373442	20	—	—
183399 2002 XQ_{93}	16.3	X	12.80921	279.08683	85.18603	7.74757	0.2208003	0.27560386	2.3385456	20	—	—
183400 2002 XJ_{101}	16.2	X	276.42297	272.87000	80.79520	5.91264	0.1271979	0.25833159	2.4416554	20	6 8.3	19.3
183401 2002 XM_{109}	16.1	X	142.71588	283.18874	40.90183	3.99085	0.0748561	0.23288936	2.6163928	20	—	—
183402 2002 XY_{111}	16.5	X	16.82526	343.46827	56.12128	6.61931	0.2422741	0.22473441	2.6793102	20	—	—
183403 Gal	15.3	X	21.06326	102.75052	114.17881	10.37656	0.0273535	0.18303463	3.0721839	20	5 20.3	19.6
183404 2002 YO	16.0	X	24.99419	340.48960	96.69393	6.40367	0.1477061	0.22667674	2.6639828	20	—	—
183405 2002 YE_{4}	16.5	X	338.96187	344.18023	63.35760	0.91342	0.0672660	0.21454145	2.7635155	20	11 30.5	19.8
183406 2002 YK_{6}	15.6	X	299.41395	119.03211	99.56038	15.52127	0.1334668	0.23105324	2.6302358	20	1 11.7	19.4
183407 2002 YU_{6}	15.7	X	119.93460	267.01638	116.99901	5.84285	0.2856106	0.23688175	2.5869120	20	2 20.6	19.7
183408 2002 YM_{8}	15.7	X	87.26651	358.46495	77.68020	4.02323	0.1687689	0.23829001	2.5767097	20	3 3.3	18.8
183409 2002 YV_{13}	16.1	X	35.56580	300.88662	105.28409	4.81565	0.2281931	0.22625847	2.6672649	20	—	—
183410 2002 YS_{17}	16.2	X	30.58231	17.20159	64.47659	3.33666	0.1870065	0.23044292	2.6348777	20	—	—
183411 2002 YA_{19}	17.0	X	101.37740	297.56579	149.46135	0.92023	0.1878730	0.24200786	2.5502518	20	4 6.2	20.4
183412 2002 YF_{20}	15.4	X	100.37799	161.70661	266.38179	8.86358	0.1466387	0.23931301	2.5693613	20	2 29.0	19.0
183413 2002 YN_{20}	16.0	X	273.74394	56.86592	312.33994	1.39892	0.2153040	0.25979909	2.4324521	20	6 12.4	19.0
183414 2002 YY_{29}	14.6	X	47.28436	268.08659	301.53432	10.04783	0.1793877	0.18818502	3.0158705	20	7 4.6	18.3
183415 2003 AH_{2}	16.1	X	51.60146	239.39349	176.69764	11.96850	0.2926164	0.22923203	2.6441485	20	—	—
183416 2003 AD_{5}	16.4	X	264.65012	303.20995	88.28474	7.83339	0.1757158	0.25997925	2.4313282	20	7 8.2	19.6
183417 2003 AE_{5}	16.2	X	297.65012	161.06058	301.30571	6.83087	0.1855009	0.21653331	2.7465420	20	11 30.9	19.0
183418 2003 AY_{6}	15.5	X	181.17606	320.38562	89.42349	11.50042	0.0994550	0.19334072	2.9620144	20	5 10.8	20.2
183419 2003 AC_{12}	15.8	X	113.46656	182.36104	213.08123	6.39104	0.2897983	0.23871723	2.5736345	20	2 24.9	19.7
183420 2003 AU_{14}	15.5	X	267.82087	245.31616	243.03595	8.80026	0.2249573	0.21216336	2.7841275	20	11 6.8	19.1
183421 2003 AX_{17}	15.6	X	60.52960	2.75585	77.56827	15.16595	0.1199499	0.23122037	2.6289681	20	1 20.3	18.7
183422 2003 AF_{20}	16.4	X	39.27149	354.38593	64.68705	7.39694	0.1405582	0.22814851	2.6525136	20	—	—
183423 2003 AR_{20}	16.0	X	108.10160	356.07267	24.18981	5.17571	0.1977954	0.23427118	2.6060944	20	1 22.9	19.4
183424 2003 AC_{22}	15.9	X	124.29789	72.32538	55.72867	4.00835	0.1684100	0.19067283	2.9895800	20	6 20.7	20.5
183425 2003 AL_{23}	15.0	X	81.70279	182.64517	245.32893	10.96199	0.1086307	0.18163900	3.0879006	20	2 6.4	19.3
183426 2003 AM_{24}	15.8	X	304.57380	273.93871	278.26412	11.72777	0.1304671	0.23182780	2.6243739	20	—	—
183427 2003 AD_{25}	16.0	X	7.62404	238.42121	253.26484	2.63347	0.1507320	0.23166196	2.6256262	20	—	—
183428 2003 AD_{29}	14.7	X	11.36105	169.88605	298.61733	20.03525	0.0577006	0.16992832	3.2281884	20	—	—
183429 2003 AW_{35}	16.1	X	10.86020	328.32169	128.38217	8.71406	0.2586131	0.22801510	2.6535482	20	—	—
183430 2003 AG_{55}	15.9	X	310.45890	191.18532	321.15042	12.52968	0.0941525	0.22360648	2.6883128	20	—	—
183431 2003 AA_{58}	15.7	X	340.77048	343.01367	112.28037	14.93725	0.1524581	0.22035504	2.7146930	20	—	—
183432 2003 AH_{61}	15.5	X	295.20382	352.09289	234.21327	3.95334	0.2098867	0.23111330	2.6297800	20	1 6.2	19.4
183433 2003 AT_{62}	16.0	X	0.61226	263.49205	73.06794	3.05827	0.1939886	0.26599097	2.3945548	20	10 28.7	18.0
183434 2003 AL_{63}	16.5	X	343.80145	223.02915	260.64530	0.98925	0.0824244	0.22581058	2.6707907	20	—	—
183435 2003 AB_{65}	15.5	X	201.46586	154.98229	47.25456	10.62574	0.1731449	0.21377462	2.7701202	20	11 28.2	19.8
183436 2003 AH_{65}	15.5	X	176.45262	30.97281	339.70975	12.44914	0.1869140	0.24250475	2.5467670	20	3 13.5	19.6
183437 2003 AK_{65}	15.6	X	359.96594	9.15857	74.84470	15.81933	0.2008825	0.22389791	2.6859795	20	—	—
183438 2003 AF_{68}	16.4	X	44.59809	310.42350	154.30112	3.79093	0.1699305	0.23189253	2.6238855	20	1 27.4	18.9
183439 2003 AC_{72}	15.7	X	61.42096	89.46619	25.17275	12.63363	0.0888074	0.23689219	2.5868359	20	3 8.2	18.9
183440 2003 AW_{82}	16.0	X	289.13847	68.87997	113.84489	3.61653	0.0808577	0.22148493	2.7054526	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
183441 2003 AK_{84}	16.1	X	321.19699	249.09306	209.79738	9.12923	0.2232276	0.21895540	2.7262495	20	—	—
183442 2003 AL_{90}	15.2	X	58.20275	39.43936	70.28747	12.94541	0.1169136	0.17884142	3.1200195	20	3 9.5	19.4
183443 2003 AZ_{91}	15.1	X	131.21832	80.85248	321.85062	13.53720	0.1564691	0.24222508	2.5487269	20	3 5.8	18.9
183444 2003 AN_{94}	15.9	X	247.06748	94.21482	54.03097	9.92305	0.0978185	0.21111718	2.7933177	20	11 23.1	19.7
183445 2003 BE_{3}	15.5	X	280.42168	323.16800	235.96358	4.04326	0.1610522	0.22323272	2.6913126	20	—	—
183446 2003 BT_{7}	17.2	X	246.31811	64.86125	135.87893	2.73230	0.2023605	0.27415886	2.3467556	20	—	—
183447 2003 BV_{8}	16.2	X	105.62711	249.73444	189.55573	4.58137	0.1366892	0.23825905	2.5769329	20	3 24.7	19.5
183448 2003 BY_{10}	15.8	X	270.22876	154.80421	336.64705	13.29809	0.1132481	0.21220814	2.7837358	20	11 29.2	19.6
183449 2003 BU_{12}	15.7	X	312.05685	60.57639	139.10152	12.67181	0.2839854	0.22766206	2.6562907	20	—	—
183450 2003 BL_{18}	15.5	X	56.93660	299.54865	135.03611	22.15356	0.0426209	0.22735748	2.6586625	20	1 1.6	19.2
183451 2003 BV_{18}	16.0	X	132.56723	293.04447	113.64664	14.22090	0.1870223	0.24499734	2.5294638	20	3 25.7	20.1
183452 2003 BF_{20}	15.8	X	259.62651	153.70501	100.95015	12.88902	0.1404589	0.22749338	2.6576036	20	1 13.2	19.8
183453 2003 BK_{22}	15.4	X	196.33995	210.25781	140.04645	19.55459	0.0709530	0.24483242	2.5305996	20	3 9.8	19.2
183454 2003 BK_{24}	15.4	X	147.75736	216.65968	172.75817	13.87413	0.2852806	0.23927754	2.5696152	20	3 20.8	19.8
183455 2003 BO_{30}	15.9	X	275.20270	3.95532	125.53436	9.55969	0.1350094	0.21431921	2.7654256	20	12 6.3	19.4
183456 2003 BY_{33}	16.1	X	338.86602	285.84125	202.86164	11.94477	0.2113031	0.22404959	2.6847671	20	—	—
183457 2003 BC_{35}	16.3	X	237.48141	346.68756	208.19294	1.81345	0.1915067	0.21648361	2.7469623	20	12 27.4	19.8
183458 2003 BU_{42}	16.0	X	302.79606	36.89086	67.66652	9.36025	0.1668156	0.21476777	2.7615737	20	12 15.5	18.9
183459 2003 BL_{46}	15.9	X	104.38875	219.06525	189.67202	18.92733	0.2912067	0.23840410	2.5758875	20	3 2.9	19.7
183460 2003 BT_{52}	15.5	X	192.70284	106.58829	115.00883	14.04992	0.1636972	0.21261682	2.7801675	20	12 15.9	20.0
183461 2003 BU_{54}	16.4	X	321.54473	15.28412	140.71762	8.80238	0.1899770	0.22393383	2.6856922	20	—	—
183462 2003 BM_{56}	16.2	X	238.19900	85.80180	60.82827	3.00942	0.1660702	0.20988170	2.8042690	20	11 1.1	20.1
183463 2003 BH_{60}	16.4	X	27.51024	335.34776	153.97026	2.58940	0.0913620	0.23216940	2.6217990	20	1 28.4	19.4
183464 2003 BO_{60}	16.7	X	319.32501	14.23269	143.65675	2.28608	0.1661837	0.22405042	2.6847605	20	—	—
183465 2003 BL_{72}	15.5	X	253.79657	248.99733	332.23391	14.20452	0.0531665	0.22341686	2.6898336	20	—	—
183466 2003 BE_{74}	15.2	X	293.82001	270.14926	11.96377	12.86434	0.1962908	0.23898001	2.5717476	20	3 18.3	18.7
183467 2003 BP_{75}	15.7	X	207.17438	252.83986	23.98601	11.34572	0.0926337	0.22464536	2.6800182	20	—	—
183468 2003 BQ_{76}	15.8	X	66.74979	45.72233	6.97887	11.58881	0.1819427	0.22799963	2.6536682	20	—	—
183469 2003 BF_{81}	16.3	X	111.90894	308.62631	91.05866	2.42971	0.2205234	0.23585581	2.5944083	20	2 23.5	19.8
183470 2003 BH_{82}	15.8	X	344.93333	30.36081	98.61992	3.60572	0.1172551	0.22668775	2.6638965	20	—	—
183471 2003 BM_{86}	16.0	X	17.24120	323.18581	122.24706	15.71954	0.0780321	0.22530986	2.6747462	20	—	—
183472 2003 BV_{87}	16.6	X	44.28473	275.65972	167.27078	4.11684	0.2121646	0.23169139	2.6254039	20	—	—
183473 2003 BD_{88}	16.4	X	331.83937	347.40239	112.36284	5.90660	0.0755232	0.21814367	2.7330084	20	—	—
183474 2003 CB_{1}	16.1	X	265.27087	79.20330	91.45898	2.84047	0.1226939	0.21813010	2.7331218	20	—	—
183475 2003 CK_{2}	15.7	X	142.34816	2.71422	143.53486	14.03041	0.2113579	0.19026387	2.9938623	20	7 31.3	20.7
183476 2003 CR_{13}	15.2	X	226.90990	240.67907	342.65784	21.74629	0.0234591	0.21913455	2.7247635	20	—	—
183477 2003 CD_{18}	16.1	X	342.73877	130.32137	322.14724	7.84744	0.0567465	0.21850517	2.7299932	20	—	—
183478 2003 CR_{19}	15.7	X	240.03590	188.55423	28.67141	13.53907	0.1285294	0.21751037	2.7383108	20	—	—
183479 2003 DL_{5}	16.8	X	305.15183	220.22394	215.22564	3.79316	0.2334347	0.21266158	2.7797775	20	11 2.7	19.3
183480 2003 DP_{5}	16.2	X	165.33132	3.83275	187.84823	4.93499	0.0476139	0.20466036	2.8517639	20	10 18.2	20.2
183481 2003 DR_{5}	15.8	X	193.39610	254.48549	4.96342	8.56694	0.1183507	0.21911372	2.7249362	20	—	—
183482 2003 DE_{12}	16.5	X	199.22046	32.28765	126.34013	3.00444	0.0100707	0.20330865	2.8643900	20	10 20.3	20.4
183483 2003 DS_{12}	16.1	X	246.21299	333.37072	172.26721	1.66695	0.1516395	0.20872597	2.8146111	20	11 11.3	19.9
183484 2003 DZ_{14}	16.3	X	252.64763	67.77684	86.45953	5.04184	0.1340268	0.21126523	2.7920126	20	12 3.5	20.0
183485 2003 DY_{18}	15.4	X	127.91113	167.90507	342.51906	12.62106	0.0248620	0.19160161	2.9799109	20	7 12.9	19.8
183486 2003 DX_{21}	15.0	X	79.29406	208.42434	18.88512	15.24905	0.0229712	0.19339440	2.9614663	20	8 24.4	19.3
183487 2003 ES_{3}	16.1	X	189.00738	92.28744	163.52899	3.46225	0.0397949	0.21637603	2.7478727	20	—	—
183488 2003 ET_{6}	15.9	X	125.59810	267.50068	302.54648	5.03998	0.1621261	0.19760514	2.9192451	20	9 28.4	20.6
183489 2003 EJ_{18}	15.8	X	266.94320	179.97771	356.03882	5.20974	0.0190920	0.21659120	2.7460525	20	—	—
183490 2003 EQ_{18}	15.7	X	256.91893	55.67154	138.52718	4.61942	0.0258003	0.21820098	2.7325299	20	—	—
183491 2003 EU_{21}	15.6	X	74.62816	4.53923	139.88171	5.30802	0.0815852	0.18085240	3.0968478	20	5 5.4	19.8
183492 2003 EH_{25}	15.8	X	162.96837	78.41184	119.67291	9.05873	0.1662461	0.20095020	2.8867583	20	10 23.6	20.7
183493 2003 EB_{29}	15.8	X	109.80213	21.80572	162.76403	11.23837	0.1469085	0.19009071	2.9956802	20	8 12.5	20.4
183494 2003 EM_{35}	15.4	X	155.12379	46.10951	198.79206	8.72022	0.2159058	0.20331525	2.8643279	20	12 6.4	20.5
183495 2003 EK_{37}	15.2	X	214.91284	168.83920	65.74516	15.42514	0.1446629	0.21444722	2.7643250	20	—	—
183496 2003 EF_{38}	15.5	X	270.45839	344.26156	203.75160	12.40399	0.1641379	0.21733453	2.7397876	20	—	—
183497 2003 EH_{46}	15.9	X	120.09280	94.42657	146.45738	8.62667	0.1342762	0.20004895	2.8954220	20	11 3.4	20.6
183498 2003 EN_{47}	15.2	X	98.51439	264.79125	185.25820	14.42010	0.3911929	0.18273934	3.0754926	20	5 6.0	20.3
183499 2003 ES_{61}	16.0	X	264.45645	82.40617	120.73133	5.96165	0.0537008	0.21855181	2.7296048	20	—	—
183500 2003 FV_{2}	15.0	X	348.72297	83.81542	174.75345	25.97223	0.1972089	0.17768304	3.1335652	20	5 22.9	18.9
183501 2003 FU_{4}	16.1	X	172.79437	241.36756	102.97360	7.00731	0.0706099	0.22661075	2.6644999	20	2 5.8	19.9
183502 2003 FM_{8}	16.9	X	61.85725	321.23577	5.46132	20.50189	0.0663794	0.37747040	1.8961853	20	—	—
183503 2003 FP_{12}	15.4	X	45.35496	111.51897	129.21748	10.55528	0.0115318	0.19035854	2.9928696	20	7 18.7	19.6
183504 2003 FP_{15}	15.4	X	119.67035	109.33953	20.49158	8.66771	0.0319746	0.18261311	3.0769097	20	6 2.1	19.8
183505 2003 FY_{25}	16.3	X	82.18399	344.08687	182.91628	1.19349	0.1048128	0.18374492	3.0642615	20	6 14.9	20.5
183506 2003 FP_{33}	15.2	X	320.86152	294.46727	24.38119	9.98764	0.1072022	0.18544704	3.0454826	20	6 29.4	19.2
183507 2003 FC_{36}	15.9	X	340.18222	148.86950	184.81046	9.87285	0.0478101	0.19183660	2.9774769	20	8 20.1	19.8
183508 2003 FE_{36}	16.2	X	3.31492	233.96014	184.86163	5.58750	0.0650602	0.21057454	2.7981144	20	—	—
183509 2003 FZ_{40}	16.0	X	305.47969	103.36133	16.56335	10.49736	0.0260463	0.21337752	2.7735560	20	—	—
183510 2003 FJ_{41}	15.4	X	120.15991	77.98510	133.09822	8.49459	0.0261586	0.19766110	2.9186940	20	9 20.1	19.6
183511 2003 FV_{48}	17.2	X	7.64075	56.44878	29.60409	20.91576	0.0961154	0.38664469	1.8660704	20	—	—
183512 2003 FG_{51}	16.1	X	243.72302	175.04148	79.16529	4.61886	0.0488427	0.22367168	2.6877903	20	1 3.3	19.8
183513 2003 FR_{53}	14.9	X	321.38660	133.46561	81.68843	13.87791	0.1046319	0.16951779	3.2333983	20	2 23.3	19.4
183514 2003 FC_{58}	15.1	X	351.69898	185.36042	14.67258	15.20564	0.1855471	0.17192174	3.2031862	20	3 12.0	18.8
183515 2003 FA_{65}	15.6	X	118.59763	248.92370	78.48444	7.10151	0.0501128	0.21264686	2.7799057	20	—	—
183516 2003 FJ_{78}	14.9	X	332.08588	113.85305	179.58918	10.24593	0.1229036	0.18192691	3.0846419	20	6 11.9	18.8
183517 2003 FP_{80}	15.4	X	189.41062	87.60914	150.37857	14.51090	0.0738775	0.20934546	2.8090557	20	—	—
183518 2003 FA_{81}	15.3	X	139.84433	307.31774	163.56229	17.26357	0.1647252	0.18514792	3.0487618	20	6 15.5	20.5
183519 2003 FS_{88}	16.0	X	211.73648	30.30510	160.02985	6.26142	0.1508161	0.20553604	2.8436582	20	11 27.4	20.3
183520 2003 FR_{90}	15.3	X	78.40534	263.45347	351.66357	12.58450	0.2035379	0.19174990	2.9783744	20	10 9.8	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
183521 2003 FM_{91}	15.3	X	107.59224	140.56400	76.13554	11.12760	0.0875172	0.19212184	2.9745291	20	9 21.0	19.9
183522 2003 FM_{93}	15.2	X	109.34071	353.57731	163.83051	12.45739	0.0780437	0.18343277	3.0677368	20	7 1.7	19.9
183523 2003 FU_{93}	15.5	X	54.75957	141.44217	115.55504	10.91534	0.0729230	0.18845424	3.0129975	20	9 2.5	19.7
183524 2003 FV_{101}	15.7	X	189.77453	51.30895	193.75455	12.54486	0.0923883	0.21070079	2.7969966	20	—	—
183525 2003 FK_{110}	14.7	X	52.10674	36.22685	356.48589	14.23515	0.1135706	0.15633797	3.4126603	20	—	—
183526 2003 FV_{114}	15.0	X	298.81265	116.60726	157.31828	11.25036	0.0612816	0.17566587	3.1575080	20	4 8.9	19.4
183527 2003 FV_{118}	15.6	X	111.16361	246.99187	2.61554	16.70149	0.0511362	0.20147455	2.8817475	20	10 22.4	19.9
183528 2003 FT_{126}	16.1	X	299.30383	276.53469	184.03344	5.29499	0.0782022	0.20996713	2.8035083	20	12 9.1	19.5
183529 2003 FV_{127}	15.0	X	18.03685	179.29150	21.90267	15.52405	0.1373798	0.17520616	3.1630287	20	4 24.8	18.7
183530 2003 FV_{130}	15.4	X	151.44436	7.40078	149.69928	10.73495	0.0475382	0.18966279	3.0001844	20	8 17.1	19.9
183531 2003 FA_{132}	15.7	X	188.57487	239.88569	176.60514	6.39014	0.1228140	0.18234195	3.0799594	20	5 24.3	20.6
183532 2003 GC_{27}	15.3	X	140.57655	289.91124	41.65422	9.87899	0.0877716	0.21943814	2.7222498	20	—	—
183533 2003 GG_{29}	14.6	X	54.55757	85.48907	47.05664	31.60705	0.1741409	0.17182627	3.2043726	20	4 16.1	18.9
183534 2003 GU_{38}	15.5	X	198.98743	242.74925	167.28746	9.80211	0.0738426	0.18100589	3.0950969	20	5 28.8	20.3
183535 2003 GN_{45}	15.2	X	319.68872	137.49451	164.03942	10.91356	0.1095166	0.18145444	3.0899941	20	6 4.9	19.3
183536 2003 GF_{50}	15.4	X	135.02171	93.02541	50.07720	11.39285	0.0709274	0.18495851	3.0508429	20	7 14.3	20.1
183537 2003 GY_{54}	15.5	X	300.84297	178.05360	171.34567	7.16221	0.1634384	0.18641704	3.0349088	20	6 30.3	19.4
183538 2003 GC_{55}	15.6	X	82.87174	128.01765	97.29646	13.41229	0.1440774	0.18921931	3.0048705	20	9 10.0	20.2
183539 2003 HV_{15}	16.5	X	44.99266	311.76346	59.01128	23.03629	0.0837501	0.37853173	1.8926393	20	—	—
183540 2003 HC_{17}	15.2	X	0.48691	121.94150	213.60350	9.86346	0.0932178	0.19154057	2.9805440	20	9 23.9	19.0
183541 2003 HV_{22}	15.6	X	140.75890	172.73190	1.60976	10.41117	0.0737057	0.19281091	2.9674379	20	8 31.1	20.0
183542 2003 HH_{24}	16.3	X	27.01905	223.52262	194.16539	8.54728	0.1436053	0.21484010	2.7609539	20	—	—
183543 2003 HN_{25}	16.4	X	117.33627	54.72375	181.81025	1.76024	0.0510286	0.19619139	2.9332523	20	10 18.0	20.5
183544 2003 HZ_{27}	15.2	X	0.45044	270.55978	22.19308	9.73873	0.0775488	0.18366159	3.0651883	20	8 1.7	19.2
183545 2003 HJ_{35}	16.4	X	320.33901	265.82696	64.19191	5.81855	0.2272224	0.29688353	2.2254199	20	7 7.4	17.8
183546 2003 HD_{38}	15.9	X	68.86891	41.05554	183.53684	1.32455	0.1806940	0.18542754	3.0456960	20	8 22.1	20.1
183547 2003 HR_{38}	15.8	X	82.97203	354.55728	204.09219	5.15422	0.1240648	0.18411148	3.0601929	20	7 27.9	20.3
183548 2003 HU_{42}	17.4	X	115.58650	196.38249	203.09776	10.53089	0.3403462	0.39351440	1.8442890	20	2 21.8	19.3
183549 2003 HU_{49}	15.4	X	28.74462	51.08966	215.44010	9.93158	0.1731518	0.18312161	3.0712110	20	8 14.5	19.3
183550 2003 HU_{57}	15.1	X	242.53289	322.17994	49.51637	12.03481	0.0457764	0.17899899	3.1181882	20	5 29.6	19.7
183551 2003 JU_{4}	15.3	X	340.07354	255.61170	31.68620	6.05313	0.1100090	0.17911641	3.1168253	20	6 16.9	19.2
183552 2003 JY_{5}	15.8	X	119.57069	126.19847	64.61345	7.76892	0.0975485	0.18842824	3.0132747	20	8 31.1	20.4
183553 2003 JP_{10}	15.8	X	120.96314	198.02955	88.60975	7.29590	0.0379366	0.20223425	2.8745260	20	12 21.9	19.9
183554 2003 JP_{11}	15.3	X	185.69747	336.00085	103.28561	15.77619	0.0050191	0.17787377	3.1313248	20	6 20.2	19.7
183555 2003 JN_{13}	14.8	X	351.56135	178.74854	76.23773	19.87268	0.1419387	0.17385204	3.1794319	20	5 24.9	18.5
183556 2003 JQ_{13}	16.0	X	68.39154	77.51882	181.80835	10.30912	0.2013331	0.18797098	3.0181594	20	10 8.2	20.3
183557 2003 KZ_{2}	15.6	X	136.19010	330.03108	162.70907	5.55963	0.0920620	0.18043195	3.1016569	20	7 2.1	20.3
183558 2003 KT_{9}	15.0	X	332.97131	50.74432	185.95646	27.51005	0.1743868	0.16901152	3.2398520	20	3 23.5	18.8
183559 2003 KQ_{12}	15.4	X	204.55472	227.71616	162.78105	9.66525	0.0976435	0.17462467	3.1700467	20	5 10.5	20.4
183560 Křišťan	14.8	X	340.47094	184.54499	112.95346	17.25162	0.2581421	0.17623963	3.1506513	20	6 22.8	17.8
183561 2003 KC_{32}	15.6	X	319.90173	90.71890	174.83323	10.55343	0.1624539	0.17272882	3.1932004	20	4 12.4	19.6
183562 2003 LP_{4}	15.8	X	358.45569	177.90200	58.68694	6.59962	0.1102735	0.17618618	3.1512885	20	5 11.1	19.4
183563 2003 MD_{4}	15.8	X	352.37251	123.75270	137.53188	4.49517	0.2077174	0.17503209	3.1651255	20	5 31.5	19.0
183564 2003 MA_{12}	14.4	X	2.11213	100.06630	220.05479	21.92364	0.2106313	0.18041629	3.1018363	20	9 9.1	18.1
183565 2003 NL_{2}	16.8	X	184.10468	252.45518	75.46969	4.16626	0.2406074	0.26678642	2.3897927	20	1 31.7	20.9
183566 2003 NQ_{2}	14.4	X	27.80599	80.04978	225.31163	20.61717	0.2452066	0.17935469	3.1140642	20	10 15.7	18.4
183567 2003 OZ_{10}	16.7	X	202.72789	286.04975	69.28592	3.97931	0.2177256	0.27209437	2.3586111	20	3 19.4	20.7
183568 2003 OQ_{11}	17.0	X	102.07643	58.90594	200.59913	21.05784	0.0348795	0.35843546	1.9627368	20	11 30.8	19.5
183569 2003 PN_{3}	14.9	X	46.23774	124.51082	152.62026	21.73361	0.3059084	0.17902086	3.1179343	20	10 22.4	19.6
183570 2003 QJ_{3}	17.3	X	200.13594	190.80345	218.75123	1.66574	0.1958378	0.27703244	2.3304992	20	5 22.9	20.9
183571 2003 QK_{22}	16.3	X	16.95211	0.17244	275.93678	6.23764	0.0921021	0.28759277	2.2730940	20	8 12.1	18.6
183572 2003 QV_{31}	17.3	X	355.88407	73.71425	235.55506	1.48833	0.1290991	0.29037137	2.2585698	20	8 31.3	19.0
183573 2003 QH_{46}	17.0	X	237.73931	278.36722	356.29173	1.22261	0.1621378	0.26618124	2.3934136	20	1 10.7	20.8
183574 2003 QJ_{54}	16.9	X	54.74863	217.90028	125.17091	7.03235	0.2294795	0.30357680	2.1925878	20	—	—
183575 2003 QP_{72}	14.6	X	271.30300	168.08740	129.88077	8.77550	0.1021368	0.15596312	3.4181263	20	4 1.1	19.6
183576 2003 RA_{5}	16.1	X	186.50739	0.94518	18.03825	3.43018	0.2268380	0.26712224	2.3877894	20	4 2.8	20.0
183577 2003 SX_{11}	17.1	X	307.98558	335.44675	343.53468	0.97884	0.0917288	0.28188990	2.3036493	20	6 12.9	19.3
183578 2003 SD_{19}	17.6	X	136.21259	145.78422	281.32608	1.36465	0.2005872	0.26741057	2.3860727	20	4 17.3	21.2
183579 2003 SD_{25}	14.0	X	355.21224	202.53156	202.57647	8.41262	0.1570028	0.12514315	3.9585061	20	12 3.2	18.9
183580 2003 SO_{33}	16.7	X	136.32814	230.04239	133.83094	1.93028	0.2024878	0.25898803	2.4375278	20	1 29.9	20.3
183581 2003 SY_{84}	15.0	X	58.41310	99.47091	195.94584	26.68948	0.4126436	0.23764134	2.5813966	20	12 8.9	19.9
183582 2003 SM_{127}	17.0	X	91.00147	17.30625	255.62105	7.27254	0.1293693	0.35765756	1.9655817	20	12 8.9	19.3
183583 2003 SV_{177}	16.8	X	185.04666	101.99001	216.46338	3.73834	0.1731636	0.26181748	2.4199346	20	1 16.7	20.6
183584 2003 SF_{182}	16.4	X	145.14018	272.42402	162.93558	8.32064	0.1458211	0.26620321	2.3932819	20	5 5.8	20.0
183585 2003 SZ_{201}	16.7	X	224.35744	274.81388	73.93514	4.67451	0.1971314	0.27076298	2.3663366	20	3 30.2	20.6
183586 2003 SF_{204}	17.0	X	133.95324	192.25756	181.42298	2.32920	0.2227417	0.25817012	2.4426733	20	2 10.5	20.7
183587 2003 SZ_{246}	17.3	X	57.97370	347.48309	21.10605	3.00230	0.2174128	0.30500586	2.1857338	20	—	—
183588 2003 SY_{257}	17.1	X	141.38437	302.98099	60.11183	3.30246	0.2244417	0.25871607	2.4392357	20	2 6.6	20.8
183589 2003 SO_{284}	16.5	X	60.30725	212.90865	239.63729	5.69857	0.0905452	0.25920765	2.4361508	20	1 24.6	19.2
183590 2003 SH_{294}	16.2	X	249.54958	285.72326	110.26610	4.25948	0.2364412	0.27801635	2.3249975	20	6 18.2	19.6
183591 2003 SZ_{312}	16.9	X	9.89784	119.94688	271.18939	7.65997	0.0425966	0.30141200	2.2030737	20	—	—
183592 2003 SJ_{313}	17.3	X	99.49874	171.71941	167.01401	3.73076	0.2455645	0.30825745	2.1703361	20	—	—
183593 2003 TG_{16}	17.2	X	47.10608	340.30743	47.36367	6.81741	0.2057232	0.30500987	2.1857146	20	—	—
183594 2003 TB_{53}	17.3	X	128.06510	229.30300	72.52649	4.53749	0.1648999	0.30729803	2.1748511	20	—	—
183595 2003 TG_{58}	6.7	X	304.15734	237.23650	276.76810	1.67087	0.1005915	0.00334283	44.2989373	20	12 20.4	22.9
183596 2003 UV	17.1	X	127.87958	138.42653	95.77015	2.43995	0.0363510	0.29355765	2.2421971	20	11 14.0	19.9
183597 2003 UT_{14}	15.6	X	202.71243	231.57832	204.03395	3.42266	0.0398829	0.21666199	2.7454543	20	7 5.2	19.5
183598 2003 UN_{35}	17.0	X	20.18381	331.47824	67.27530	5.35841	0.1203547	0.30298702	2.1954322	20	—	—
183599 2003 UY_{39}	16.1	X	173.44121	198.59765	50.43566	7.35474	0.0582387	0.24135268	2.5548651	20	—	—
183600 2003 UQ_{45}	16.7	X	142.34279	319.12750	127.74784	1.96782	0.1534754	0.26589908	2.3951065	20	5 16.7	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
183601 2003 UX_{57}	17.0	X	91.46232	229.37917	268.33801	6.33796	0.0665637	0.27029357	2.3690755	20	5 11.0	19.8
183602 2003 UQ_{62}	16.6	X	278.14831	325.31929	69.87402	7.34781	0.0993073	0.28534380	2.2850222	20	8 22.4	19.1
183603 2003 UO_{73}	16.8	X	268.14934	63.90292	43.15494	8.50759	0.0562162	0.29183417	2.2510162	20	11 23.7	19.2
183604 2003 UK_{93}	16.3	X	7.99208	294.08477	229.95322	5.72822	0.0544594	0.26130711	2.4230845	20	2 7.7	19.2
183605 2003 UW_{93}	17.2	X	184.86533	14.78005	22.07670	1.42218	0.1087189	0.26981626	2.3718686	20	4 22.2	20.5
183606 2003 UP_{102}	17.7	X	71.45932	23.68992	359.11496	7.03333	0.1370402	0.30807262	2.1712041	20	—	—
183607 2003 UW_{103}	16.5	X	104.65544	269.07464	138.95554	3.94810	0.2012933	0.25557991	2.4591493	20	2 19.7	19.6
183608 2003 UV_{135}	17.0	X	308.01534	23.94290	358.14441	6.36569	0.1919226	0.28621143	2.2804019	20	9 12.6	18.4
183609 2003 UV_{160}	17.5	X	154.98551	114.03504	238.98604	1.84636	0.0989453	0.31687114	2.1308241	20	1 15.5	20.0
183610 2003 UL_{161}	17.2	X	250.55115	19.20125	43.05150	2.95615	0.1861471	0.28222856	2.3018061	20	8 3.2	20.1
183611 2003 UH_{175}	17.5	X	333.31638	87.44102	10.01645	2.78107	0.1010349	0.30197748	2.2003225	20	—	—
183612 2003 UG_{179}	16.7	X	245.99859	346.39123	46.84092	6.41525	0.1166904	0.27795866	2.3253192	20	6 25.5	19.8
183613 2003 UP_{201}	17.0	X	201.97145	243.34256	200.07180	5.90931	0.1313720	0.27628260	2.3347140	20	7 10.7	20.4
183614 2003 UJ_{203}	16.4	X	289.79452	249.08931	26.66193	9.09727	0.0702758	0.26629712	2.3927192	20	3 21.3	19.5
183615 2003 UE_{204}	16.5	X	198.12895	260.89619	61.21486	3.98172	0.0870749	0.25933555	2.4353498	20	2 2.1	20.0
183616 2003 UG_{213}	16.9	X	207.87738	285.65144	84.84346	3.22789	0.2118771	0.26832295	2.3806607	20	4 11.1	20.8
183617 2003 UF_{218}	17.3	X	338.72820	217.69684	182.53362	4.48931	0.1594890	0.29387639	2.2405755	20	12 25.4	19.3
183618 2003 US_{221}	16.9	X	260.86522	191.90843	114.87095	3.28255	0.2301338	0.27058405	2.3673797	20	3 7.1	20.6
183619 2003 UT_{229}	17.7	X	0.13685	20.63694	2.08425	3.64068	0.1161990	0.29508179	2.2344695	20	12 30.1	20.0
183620 2003 UQ_{236}	16.9	X	173.47792	292.64135	134.79790	2.92953	0.2030441	0.26945657	2.3739789	20	5 23.1	20.7
183621 2003 UJ_{242}	17.3	X	299.80738	63.73014	61.91595	5.54866	0.0852058	0.29955494	2.2121694	20	—	—
183622 2003 UO_{245}	17.3	X	329.41322	299.19367	99.86281	2.75312	0.1439787	0.29158524	2.2522972	20	12 2.7	19.1
183623 2003 UE_{260}	17.2	X	245.88551	217.47508	134.02358	3.25416	0.2279013	0.27230139	2.3574155	20	4 19.1	20.9
183624 2003 UG_{260}	15.3	X	293.79323	296.95156	83.40491	14.54154	0.2071183	0.22076476	2.7113331	20	7 30.2	18.6
183625 2003 UZ_{263}	17.0	X	203.75582	104.29052	322.67010	4.16732	0.2089652	0.27460013	2.3442408	20	6 17.2	20.9
183626 2003 UQ_{267}	17.1	X	222.76376	312.71384	46.49570	2.01371	0.2058266	0.26958927	2.3731999	20	4 8.8	21.0
183627 2003 UM_{274}	16.6	X	339.41128	208.97837	250.60680	4.78393	0.1147437	0.24365535	2.5387430	20	—	—
183628 2003 UR_{307}	17.2	X	357.11454	311.49984	118.07353	6.30024	0.0921180	0.30261413	2.1972354	20	—	—
183629 2003 UF_{308}	17.2	X	321.26611	252.71833	50.75909	3.33796	0.2270740	0.28158592	2.3053069	20	5 21.5	18.7
183630 2003 US_{356}	16.8	X	92.10135	66.16260	225.30775	3.34575	0.1725608	0.23954500	2.5677022	20	12 13.6	20.9
183631 2003 UH_{375}	16.8	X	158.47080	210.18422	227.22371	4.98090	0.0610691	0.27436940	2.3455549	20	5 15.2	19.8
183632 2003 UB_{383}	16.6	X	322.90531	247.77564	174.06839	9.35185	0.1093347	0.23703980	2.5857619	20	12 3.9	19.6
183633 2003 US_{402}	17.0	X	13.10685	9.45578	188.80616	1.78615	0.1496888	0.27119009	2.3638514	20	4 5.2	18.8
183634 2003 US_{403}	17.9	X	162.77514	299.72969	129.10280	1.87619	0.1577298	0.27062417	2.3671457	20	5 13.7	21.4
183635 Helmi	16.4	X	318.95354	163.29272	95.71514	3.63966	0.1997097	0.27364136	2.3497134	20	3 17.2	18.9
183636 2003 VV	15.6	X	109.41353	138.58333	314.47851	24.08554	0.1472098	0.26107997	2.4244897	20	3 31.8	19.6
183637 2003 VW_{8}	17.5	X	287.47929	56.42939	42.78638	5.42637	0.0894293	0.29397786	2.2400599	20	12 12.8	19.6
183638 2003 WC_{24}	16.9	X	335.85393	201.76779	224.33981	4.93365	0.1262636	0.29487076	2.2355355	20	—	—
183639 2003 WO_{24}	17.4	X	123.83133	358.05697	344.46811	3.66010	0.2208385	0.30941656	2.1649125	20	—	—
183640 2003 WR_{35}	17.4	X	323.19837	107.33523	354.82541	5.80015	0.1299959	0.29930260	2.2134127	20	—	—
183641 2003 WU_{45}	16.9	X	321.01419	181.24638	321.45023	2.13523	0.1540089	0.30391168	2.1909768	20	—	—
183642 2003 WA_{55}	16.9	X	170.32445	58.29488	3.06611	4.61950	0.1150408	0.26668911	2.3903741	20	5 8.1	20.5
183643 2003 WF_{56}	17.3	X	319.59444	68.47848	17.31299	3.08866	0.1763064	0.29440521	2.2378917	20	—	—
183644 2003 WX_{59}	17.2	X	129.25397	3.79480	111.88915	2.08504	0.1394766	0.26771112	2.3842865	20	6 8.7	20.7
183645 2003 WP_{60}	16.5	X	15.90479	230.51482	258.75850	4.54272	0.0405424	0.31074007	2.1587609	20	—	—
183646 2003 WR_{63}	17.1	X	321.93613	5.54952	55.09117	5.70394	0.1725028	0.29181690	2.2511050	20	12 23.8	18.8
183647 2003 WU_{63}	17.4	X	204.41947	169.35765	255.46252	0.78973	0.1688170	0.27252956	2.3560996	20	6 16.9	21.1
183648 2003 WY_{66}	16.9	X	172.33261	94.83428	67.90656	3.34349	0.1052944	0.28087309	2.3092058	20	9 28.4	20.1
183649 2003 WX_{67}	16.7	X	154.04507	74.22978	260.38318	2.37639	0.2173669	0.25327434	2.4740506	20	1 13.2	20.4
183650 2003 WG_{75}	17.3	X	253.93347	216.12272	359.57054	4.44194	0.0596890	0.30667615	2.1777902	20	—	—
183651 2003 WP_{89}	17.3	X	0.46186	160.30436	255.30155	2.00245	0.1558981	0.29792788	2.2202163	20	—	—
183652 2003 WL_{91}	16.7	X	234.39440	11.16813	87.86340	7.22391	0.0517222	0.28393182	2.2925914	20	9 27.6	19.6
183653 2003 WK_{93}	17.1	X	330.07664	156.74585	266.93596	1.59525	0.1010780	0.29398686	2.2400142	20	—	—
183654 2003 WL_{94}	17.5	X	91.59420	29.50864	355.38520	2.22641	0.0876172	0.30968910	2.1636422	20	—	—
183655 2003 WO_{102}	15.3	X	90.97658	13.22267	335.28054	14.82636	0.1554534	0.24536028	2.5269688	20	—	—
183656 2003 WX_{108}	17.6	X	279.53599	104.82024	334.38905	2.78266	0.1365811	0.28869693	2.2672945	20	10 21.1	19.6
183657 2003 WX_{115}	17.0	X	133.17168	341.83870	349.48800	3.27086	0.0949355	0.30636051	2.1792858	20	—	—
183658 2003 WN_{117}	15.9	X	115.52006	1.38722	324.90178	4.61122	0.1391647	0.24318837	2.5419920	20	—	—
183659 2003 WA_{120}	16.7	X	335.36617	106.42609	270.64250	5.36260	0.1515135	0.28748325	2.2736713	20	11 7.5	18.5
183660 2003 WL_{120}	17.4	X	27.50225	20.45021	23.38754	3.14221	0.1327740	0.29936402	2.2131099	20	—	—
183661 2003 WG_{123}	17.1	X	44.35420	7.11984	14.28955	4.81172	0.1330007	0.29952448	2.2123195	20	—	—
183662 2003 WN_{126}	14.8	X	158.47537	98.34190	83.15885	12.37858	0.3994323	0.21192336	2.7862291	20	10 2.3	20.5
183663 2003 WR_{130}	16.2	X	240.86258	48.48787	84.00674	22.85179	0.1771354	0.28389546	2.2927872	20	11 8.4	19.3
183664 2003 WC_{131}	17.3	X	232.63056	153.47538	40.34041	6.99872	0.1055174	0.29733418	2.2231708	20	—	—
183665 2003 WR_{131}	17.3	X	165.71026	75.92355	23.77672	2.87918	0.1027312	0.27046853	2.3680538	20	6 24.9	20.7
183666 2003 WL_{133}	17.6	X	61.60186	136.87957	232.87704	2.94072	0.1726643	0.30206809	2.1998825	20	—	—
183667 2003 WQ_{133}	17.2	X	276.01699	205.45010	215.91556	2.92116	0.1489968	0.28412456	2.2915546	20	9 14.0	19.5
183668 2003 WM_{134}	16.4	X	60.90567	298.04681	61.63541	4.26052	0.1715360	0.24068306	2.5596015	20	—	—
183669 2003 WX_{135}	17.0	X	212.82475	11.12178	9.80161	1.58051	0.1762868	0.26844608	2.3799327	20	4 27.9	20.8
183670 2003 WG_{138}	16.6	X	287.60100	187.12241	262.18577	6.77786	0.0925005	0.28885880	2.2664474	20	11 26.4	18.9
183671 2003 WO_{145}	16.9	X	68.58541	182.68721	83.61318	4.03453	0.0521334	0.28421795	2.2910525	20	10 13.8	19.7
183672 2003 WN_{150}	17.1	X	292.61247	286.41921	190.09573	6.78309	0.0921716	0.29501866	2.2347883	20	—	—
183673 2003 WO_{192}	16.4	X	238.59336	69.91496	60.77817	6.33858	0.1316089	0.22715799	2.6602189	20	10 21.7	20.0
183674 2003 XG_{3}	16.7	X	79.63126	254.91860	103.82464	5.65940	0.1926784	0.30321837	2.1943153	20	—	—
183675 2003 XU_{14}	15.7	X	225.40363	250.47697	138.72947	22.49077	0.2613420	0.27040845	2.3684045	20	5 22.4	20.2
183676 2003 XB_{17}	16.2	X	306.94456	287.95744	230.07839	7.53096	0.0582972	0.24292277	2.5438445	20	—	—
183677 2003 XJ_{27}	17.3	X	163.96568	336.95296	158.51920	5.13398	0.1256475	0.27472532	2.3435286	20	8 10.2	20.7
183678 2003 XV_{31}	17.7	X	155.85346	299.18849	165.85568	1.48114	0.1422625	0.26950673	2.3736844	20	6 22.5	21.2
183679 2003 XJ_{37}	17.1	X	138.48125	27.12397	15.18482	5.15594	0.2127927	0.25762207	2.4461364	20	3 22.0	20.7
183680 2003 XR_{40}	15.5	X	145.79899	216.93761	75.24318	14.60808	0.1508735	0.24300469	2.5432728	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
183681 2003 YO	16.0	X	141.13510	9.01508	127.32915	13.27229	0.1996213	0.26519291	2.3993565	20	7 21.5	19.8
183682 2003 YH_{2}	16.6	X	107.69784	280.30661	74.77330	5.66495	0.2127154	0.30465772	2.1873986	20	—	—
183683 2003 YW_{6}	16.8	X	159.95652	180.49555	326.60053	6.42748	0.1587817	0.27252576	2.3561215	20	8 21.7	20.3
183684 2003 YE_{9}	17.0	X	193.69033	59.64963	73.58434	3.25608	0.1542216	0.27585919	2.3371024	20	9 8.3	20.4
183685 2003 YT_{11}	15.7	X	82.17580	347.66915	31.41123	8.83491	0.1523837	0.24375391	2.5380587	20	—	—
183686 2003 YX_{13}	16.4	X	187.03547	83.36534	65.50069	9.60607	0.1314947	0.27644774	2.3337842	20	9 27.4	20.0
183687 2003 YX_{14}	17.4	X	167.75562	114.23155	12.30448	5.01865	0.1869972	0.27122559	2.3636452	20	8 3.8	21.2
183688 2003 YU_{16}	16.5	X	185.31194	239.02723	289.70012	6.36862	0.1210746	0.27993668	2.3143525	20	10 14.2	20.0
183689 2003 YV_{17}	17.2	X	204.77417	263.02198	127.26310	1.88755	0.1965498	0.26845432	2.3798840	20	5 2.9	20.9
183690 2003 YQ_{22}	16.6	X	194.45364	207.90218	323.59646	4.46360	0.0627410	0.28162310	2.3051040	20	11 5.5	19.7
183691 2003 YZ_{24}	15.7	X	4.72758	287.09326	261.28814	12.00019	0.1883333	0.25492077	2.4633866	20	2 23.3	18.2
183692 2003 YP_{25}	16.6	X	120.93444	9.45395	332.68762	2.64346	0.1302492	0.30291950	2.1957585	20	—	—
183693 2003 YX_{28}	17.3	X	147.10320	329.84284	116.21156	2.18149	0.1490284	0.26499351	2.4005600	20	5 20.2	21.0
183694 2003 YQ_{29}	17.1	X	201.44050	280.95802	174.18564	1.15878	0.1486226	0.27239896	2.3568526	20	7 25.5	20.6
183695 2003 YF_{31}	16.0	X	286.10904	11.68797	51.58849	4.48962	0.0751777	0.22561242	2.6723543	20	10 6.2	19.3
183696 2003 YO_{31}	17.2	X	157.97123	145.07971	19.47951	1.81560	0.1982648	0.27585832	2.3371073	20	9 12.1	20.9
183697 2003 YA_{32}	17.0	X	260.32802	356.62468	97.81214	6.26453	0.1212603	0.28223973	2.3017454	20	10 16.7	19.6
183698 2003 YM_{32}	16.8	X	20.00659	3.59753	87.94446	8.35668	0.1120256	0.30449940	2.1881567	20	—	—
183699 2003 YO_{32}	16.9	X	249.47080	52.88151	81.57382	1.04052	0.1450037	0.28595812	2.2817484	20	11 19.9	19.1
183700 2003 YK_{36}	16.9	X	103.96551	16.06464	2.47121	2.84461	0.2077976	0.30799338	2.1715765	20	—	—
183701 2003 YO_{36}	17.2	X	163.38304	298.24912	63.07370	2.01384	0.1814083	0.31406779	2.1434850	20	2 15.5	20.2
183702 2003 YX_{36}	17.2	X	111.47859	201.44613	20.33852	2.46447	0.1631328	0.27451120	2.3447471	20	10 11.5	20.7
183703 2003 YS_{39}	17.1	X	302.95010	117.77632	68.38922	2.05720	0.0667025	0.24215087	2.5492476	20	—	—
183704 2003 YB_{45}	15.8	X	10.77258	172.71038	80.24144	24.62088	0.1638117	0.27328986	2.3517277	20	6 29.9	17.9
183705 2003 YR_{50}	17.4	X	337.32968	66.88019	344.31708	1.81798	0.1569360	0.29158182	2.2523148	20	—	—
183706 2003 YD_{51}	16.7	X	114.66037	337.26351	86.14079	3.39503	0.1934353	0.25530342	2.4609245	20	3 23.3	20.1
183707 2003 YJ_{51}	16.9	X	223.73092	39.15877	89.61499	3.84541	0.1018678	0.28149593	2.3057982	20	10 14.3	19.8
183708 2003 YF_{52}	16.6	X	323.74067	326.31156	69.14844	7.21922	0.1017140	0.28380670	2.2932652	20	11 11.4	18.7
183709 2003 YN_{56}	16.7	X	34.29806	303.57441	90.58042	1.04913	0.0840113	0.23821459	2.5772536	20	—	—
183710 2003 YR_{57}	17.2	X	60.03729	2.02890	91.00420	3.91060	0.0656263	0.31042633	2.1602152	20	1 13.8	19.0
183711 2003 YG_{58}	16.8	X	130.77632	313.02884	145.77938	2.38763	0.1743847	0.26251034	2.4156746	20	5 22.4	20.3
183712 2003 YY_{61}	16.7	X	27.19243	299.48187	105.65249	4.94017	0.1601209	0.29761986	2.2217479	20	—	—
183713 2003 YD_{64}	16.6	X	74.25386	6.02433	107.84521	3.17691	0.1558056	0.25388342	2.4700922	20	3 31.3	19.4
183714 2003 YO_{70}	16.8	X	1.17241	222.30123	149.53463	3.17357	0.2297610	0.28974308	2.2618337	20	—	—
183715 2003 YG_{71}	16.4	X	21.65089	235.76264	285.84296	5.40684	0.0713668	0.25553805	2.4594179	20	2 26.2	19.2
183716 2003 YA_{73}	17.1	X	272.66056	72.58717	315.93847	1.70559	0.2081233	0.27830294	2.3234011	20	7 10.8	19.6
183717 2003 YH_{74}	16.7	X	349.54875	41.25111	47.03873	3.07164	0.1104449	0.23836085	2.5761992	20	—	—
183718 2003 YJ_{75}	17.0	X	16.81146	24.65020	54.87743	3.35528	0.0978858	0.30133253	2.2034610	20	—	—
183719 2003 YP_{75}	17.0	X	228.29352	81.65649	36.08160	3.55326	0.1117823	0.28156627	2.3054142	20	10 2.4	19.8
183720 2003 YP_{82}	17.3	X	323.31298	357.57985	39.14649	3.21659	0.1582205	0.28620001	2.2804626	20	11 14.3	19.0
183721 2003 YN_{84}	15.9	X	254.24150	18.51572	121.65795	5.57096	0.0769992	0.23108375	2.6300042	20	12 1.7	19.3
183722 2003 YR_{84}	17.2	X	109.28527	103.62822	4.59135	1.98151	0.1385817	0.26166424	2.4208793	20	5 5.5	20.4
183723 2003 YN_{85}	16.5	X	288.17542	143.83596	231.93340	5.84468	0.1150138	0.27778406	2.3262934	20	7 30.5	19.0
183724 2003 YY_{85}	16.8	X	225.86547	235.48022	185.11257	3.55335	0.1969716	0.27404979	2.3473782	20	6 30.4	20.3
183725 2003 YT_{89}	16.5	X	254.90509	38.00059	67.11454	2.81159	0.1734940	0.28225394	2.3016682	20	10 12.4	18.9
183726 2003 YB_{95}	17.4	X	287.50031	280.97583	126.61778	2.30202	0.1414837	0.28324005	2.2963228	20	9 17.1	19.6
183727 2003 YC_{97}	16.7	X	316.11077	141.75506	237.20552	4.90996	0.2509704	0.28534788	2.2850004	20	9 19.2	17.7
183728 2003 YK_{99}	16.4	X	168.61379	251.58180	121.49459	3.41233	0.1986396	0.25733257	2.4479707	20	3 12.6	20.3
183729 2003 YM_{99}	16.8	X	317.24355	9.51945	120.88616	3.68022	0.0573993	0.29728842	2.2233989	20	—	—
183730 2003 YF_{100}	16.9	X	199.25572	20.74994	129.10251	3.41178	0.0987385	0.28022314	2.3127750	20	10 12.3	19.9
183731 2003 YJ_{101}	16.8	X	300.65967	288.15616	187.31468	2.63473	0.0898349	0.29385779	2.2406701	20	—	—
183732 2003 YC_{103}	17.2	X	248.40429	245.19038	201.68007	2.03200	0.1453371	0.27922945	2.3182587	20	9 8.8	19.8
183733 2003 YO_{103}	16.9	X	39.25191	263.75177	98.38755	5.79355	0.1861900	0.29789758	2.2203668	20	—	—
183734 2003 YT_{106}	16.9	X	231.86626	69.14249	5.30037	3.09964	0.1517174	0.27601508	2.3362223	20	8 1.3	20.0
183735 2003 YY_{109}	16.5	X	156.71560	113.58481	333.36534	4.72536	0.2103841	0.26666074	2.3905436	20	6 1.2	20.4
183736 2003 YT_{112}	17.2	X	271.46772	31.37205	357.20020	3.29266	0.1499817	0.27763065	2.3271503	20	7 19.8	20.0
183737 2003 YD_{113}	16.9	X	221.42916	131.27549	16.36552	5.08339	0.1005125	0.28306053	2.2972936	20	11 3.5	19.8
183738 2003 YH_{113}	16.5	X	151.99109	107.14483	53.41138	6.48589	0.1675158	0.27171910	2.3607823	20	9 4.3	20.3
183739 2003 YF_{117}	17.2	X	212.43243	297.05163	94.18576	5.88389	0.1942388	0.26650040	2.3915023	20	5 12.0	21.0
183740 2003 YL_{119}	16.7	X	242.38493	51.93505	41.55682	7.70942	0.0799540	0.27901269	2.3194592	20	9 24.7	19.5
183741 2003 YW_{119}	17.1	X	209.83464	63.06350	73.38139	3.43507	0.1539246	0.27793336	2.3254603	20	9 30.2	20.3
183742 2003 YD_{120}	16.9	X	135.03963	11.23040	326.28113	4.43030	0.0847522	0.30296938	2.1955175	20	—	—
183743 2003 YJ_{120}	15.8	X	281.18700	124.51878	244.61213	2.10598	0.0888690	0.21280928	2.7784911	20	7 11.0	19.3
183744 2003 YP_{134}	16.7	X	134.59122	230.35562	343.05130	10.12329	0.1505791	0.27688701	2.3313152	20	10 18.5	20.4
183745 2003 YT_{134}	16.7	X	286.61900	81.23289	343.15430	10.78736	0.1501539	0.28223973	2.3017454	20	10 4.8	19.0
183746 2003 YB_{138}	16.9	X	106.68834	147.10324	30.72203	2.80822	0.1315459	0.26590929	2.3950452	20	8 7.0	20.3
183747 2003 YK_{144}	17.1	X	138.50898	74.55718	112.00985	3.94750	0.1152371	0.27523313	2.3406451	20	9 23.1	20.5
183748 2003 YX_{152}	16.3	X	330.92680	81.95343	26.31611	12.06477	0.2008936	0.23384259	2.6092777	20	—	—
183749 2003 YM_{157}	17.2	X	115.40270	76.84967	359.49760	2.16457	0.1477413	0.25561179	2.4589449	20	4 1.9	20.4
183750 2003 YD_{164}	16.8	X	29.50813	38.28530	273.07408	5.39448	0.1451640	0.28570822	2.2830788	20	11 3.1	19.5
183751 2003 YR_{169}	15.4	X	337.33215	251.59617	83.22543	16.53291	0.0920518	0.21619885	2.7493738	20	8 29.7	19.0
183752 2003 YB_{176}	17.1	X	275.35102	58.59307	23.13462	6.41423	0.1209333	0.28402112	2.2921109	20	10 19.5	19.1
183753 2004 AO_{1}	16.6	X	117.92660	91.90063	56.29630	1.91047	0.1320537	0.26369767	2.4084179	20	7 9.5	20.1
183754 2004 AQ_{1}	16.3	X	147.13277	118.29948	24.13388	4.93428	0.0927641	0.26824533	2.3811200	20	8 2.8	19.7
183755 2004 AR_{3}	16.4	X	167.10993	227.35192	317.88486	7.27776	0.0758216	0.27965819	2.3158887	20	10 18.4	19.7
183756 2004 AK_{5}	16.8	X	208.63692	2.02294	94.95350	2.97274	0.2163718	0.27232982	2.3572515	20	7 31.0	20.4
183757 2004 AC_{6}	15.9	X	133.73782	237.57376	325.61793	7.57256	0.1635599	0.27333596	2.3514633	20	10 5.2	19.7
183758 2004 AQ_{8}	15.9	X	90.86134	195.73118	186.59572	13.77376	0.2932531	0.24413318	2.5354293	20	1 11.4	19.1
183759 2004 AY_{9}	17.6	X	219.31544	111.79468	340.16847	3.05064	0.1577052	0.27419207	2.3465661	20	8 9.6	20.8
183760 2004 AD_{10}	16.7	X	157.78955	296.83500	109.18658	3.55009	0.1804993	0.25853862	2.4403518	20	4 12.3	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
183761 2004 AZ_{13}	16.8	X	31.99796	5.52570	112.21761	6.68640	0.0280643	0.24673858	2.5175494	20	1 17.5	19.9
183762 2004 AG_{18}	16.9	X	209.39921	102.88751	139.43469	5.26655	0.1289765	0.29480619	2.2358619	20	—	—
183763 2004 AL_{25}	16.0	X	261.25145	222.25007	259.08160	13.38887	0.0884149	0.22874574	2.6478947	20	11 12.2	19.5
183764 2004 BQ_{1}	16.8	X	209.53367	173.27047	282.20954	4.11032	0.1358750	0.27259696	2.3557112	20	8 4.1	20.2
183765 2004 BJ_{3}	17.0	X	236.40663	4.27969	144.31029	2.14403	0.1261901	0.28388827	2.2928259	20	11 23.3	19.6
183766 2004 BR_{3}	17.4	X	313.60876	18.60003	27.89383	3.05268	0.1630849	0.28358790	2.2944446	20	11 7.0	18.8
183767 2004 BD_{4}	17.3	X	126.77601	155.15087	277.58684	1.22317	0.1989328	0.25606586	2.4560371	20	4 15.6	20.9
183768 2004 BW_{4}	17.2	X	175.85590	71.67948	9.78433	2.20767	0.1770423	0.26488062	2.4012420	20	6 11.2	20.9
183769 2004 BF_{5}	15.6	X	152.04865	241.06663	324.45892	8.59498	0.0663992	0.21808723	2.7334800	20	10 17.6	19.9
183770 2004 BR_{9}	16.3	X	164.23249	144.52758	320.83108	5.54740	0.0928112	0.26502915	2.4003447	20	7 1.1	19.7
183771 2004 BJ_{12}	17.1	X	300.32445	315.68066	96.20849	3.20004	0.2315163	0.28283131	2.2985346	20	10 10.8	18.4
183772 2004 BC_{14}	17.2	X	170.22979	48.69898	34.65354	2.14847	0.1591977	0.26407215	2.4061405	20	6 8.2	21.0
183773 2004 BJ_{18}	16.6	X	348.89703	65.24193	61.95160	3.23490	0.2626485	0.23650486	2.5896595	20	—	—
183774 2004 BX_{18}	16.0	X	275.43567	297.23802	162.02812	13.39815	0.2318387	0.22356702	2.6886291	20	10 16.5	19.2
183775 2004 BE_{19}	16.5	X	51.93933	330.61495	67.68133	6.41573	0.1471574	0.29782928	2.2207063	20	—	—
183776 2004 BH_{19}	16.6	X	169.61859	109.34424	53.64844	5.45725	0.0879162	0.27503401	2.3417747	20	9 26.7	19.9
183777 2004 BJ_{19}	16.7	X	63.09715	341.53041	43.25363	3.66300	0.1706428	0.29838946	2.2179260	20	—	—
183778 2004 BO_{19}	16.4	X	234.99537	60.77781	17.24175	6.18781	0.0927392	0.27291820	2.3538623	20	8 19.8	19.4
183779 2004 BO_{20}	17.0	X	124.03591	333.17562	51.26490	3.88370	0.1943654	0.30990620	2.1626316	20	2 5.3	19.5
183780 2004 BA_{22}	15.0	X	69.11922	8.28306	26.59053	35.43482	0.2529051	0.23867474	2.5739400	20	—	—
183781 2004 BH_{22}	17.2	X	98.92416	8.78177	154.01176	1.30526	0.1337604	0.26260940	2.4150671	20	7 6.9	20.5
183782 2004 BG_{23}	17.0	X	225.36072	328.57731	150.48942	5.09691	0.1146985	0.27868600	2.3212715	20	9 30.1	19.9
183783 2004 BE_{27}	17.0	X	220.86844	212.66348	253.55904	1.10255	0.1928927	0.27523571	2.3406305	20	8 25.8	20.4
183784 2004 BA_{29}	16.8	X	204.84783	301.32041	101.83787	4.28163	0.1895520	0.26401636	2.4064794	20	5 20.0	20.8
183785 2004 BG_{29}	17.0	X	127.73530	215.36421	349.04664	5.09269	0.1534354	0.27191571	2.3596442	20	10 2.9	20.6
183786 2004 BJ_{30}	17.4	X	125.44436	156.42811	3.25148	2.16240	0.1509784	0.26514877	2.3996228	20	8 4.2	21.0
183787 2004 BP_{30}	17.0	X	67.35831	89.29698	337.52656	4.38889	0.1952704	0.24412825	2.5354635	20	1 19.1	19.4
183788 2004 BJ_{32}	17.0	X	158.84766	224.44891	91.74732	4.28046	0.1426388	0.30032633	2.2083798	20	—	—
183789 2004 BT_{33}	16.8	X	47.34364	180.36394	102.90409	4.99372	0.1615757	0.27407236	2.3472493	20	10 24.1	19.8
183790 2004 BJ_{34}	17.0	X	156.09548	204.58068	329.77982	2.42022	0.0804078	0.27504647	2.3417040	20	9 23.3	20.2
183791 2004 BU_{37}	16.7	X	143.61708	41.77683	94.93566	3.34826	0.1525283	0.26523751	2.3990875	20	7 22.9	20.3
183792 2004 BY_{37}	15.8	X	55.62265	263.67579	133.25809	22.54939	0.0575095	0.23452476	2.6042155	20	—	—
183793 2004 BZ_{37}	17.0	X	111.59449	80.71392	53.03731	2.05235	0.1346018	0.25943690	2.4347155	20	6 12.2	20.3
183794 2004 BB_{38}	17.1	X	174.90197	122.83914	23.49773	2.42195	0.1450491	0.27166613	2.3610891	20	9 5.7	20.7
183795 2004 BG_{38}	16.7	X	151.78170	21.38727	66.42308	2.96991	0.1677834	0.26002194	2.4310621	20	5 27.7	20.5
183796 2004 BP_{38}	17.5	X	114.08450	147.50473	19.29793	1.84222	0.1190888	0.26707788	2.3880538	20	7 29.8	20.9
183797 2004 BY_{38}	15.9	X	334.47209	279.25158	100.38517	6.67477	0.1062856	0.22245151	2.6976099	20	10 24.0	19.0
183798 2004 BH_{40}	16.9	X	189.21206	128.75785	297.54639	2.36922	0.1560915	0.26471292	2.4022560	20	6 4.2	20.6
183799 2004 BJ_{40}	16.9	X	258.20200	336.24413	151.95343	3.16915	0.1029620	0.28445951	2.2897553	20	12 1.8	19.3
183800 2004 BM_{40}	16.5	X	252.42629	16.28286	125.09436	6.90048	0.0521509	0.28529229	2.2852972	20	12 18.6	19.0
183801 2004 BS_{40}	17.3	X	213.48189	166.41333	281.56069	1.26224	0.1838050	0.27166054	2.3611216	20	7 25.7	20.9
183802 2004 BD_{41}	17.4	X	157.79349	291.30461	167.13134	1.09957	0.1393483	0.26468942	2.4023982	20	6 15.6	21.0
183803 2004 BX_{42}	16.7	X	121.93576	335.24211	197.32880	5.00591	0.1688771	0.26616629	2.3935032	20	8 16.6	20.5
183804 2004 BO_{43}	16.9	X	198.00835	3.68444	82.39475	2.24850	0.1568995	0.26751499	2.3854518	20	7 9.5	20.6
183805 2004 BR_{44}	16.9	X	344.34255	305.31936	117.35553	7.39286	0.0965281	0.28805621	2.2706553	20	—	—
183806 2004 BT_{48}	16.5	X	111.63797	251.43710	293.21393	4.54868	0.1091986	0.26866816	2.3786210	20	8 17.6	19.9
183807 2004 BE_{49}	16.5	X	287.28555	163.61802	27.15158	0.69458	0.0929998	0.23900561	2.5715639	20	—	—
183808 2004 BC_{52}	17.0	X	266.69239	336.62893	131.87301	6.54530	0.1417012	0.28309989	2.2970807	20	11 12.9	19.4
183809 2004 BH_{53}	17.5	X	114.47465	287.58530	206.23190	1.26750	0.1737339	0.26197108	2.4189885	20	6 20.1	20.9
183810 2004 BQ_{60}	16.4	X	144.20220	217.73600	122.57331	15.99836	0.1306301	0.24350815	2.5397661	20	1 3.2	20.0
183811 2004 BJ_{62}	16.7	X	77.67461	164.15102	100.26254	7.35722	0.0894187	0.27755850	2.3275536	20	10 28.0	19.9
183812 2004 BK_{63}	17.1	X	67.33296	219.94873	326.73925	3.33415	0.1623482	0.26074640	2.4265570	20	7 3.4	19.9
183813 2004 BO_{63}	17.2	X	141.46481	131.73571	26.88240	1.73690	0.1268190	0.26973736	2.3723311	20	8 18.6	20.8
183814 2004 BR_{64}	16.5	X	340.94573	51.90983	85.61135	2.53885	0.0629028	0.24015884	2.5633250	20	—	—
183815 2004 BH_{70}	16.8	X	250.85432	299.88974	104.84778	5.61619	0.1389165	0.27190180	2.3597247	20	7 14.9	19.8
183816 2004 BT_{70}	16.9	X	192.86466	150.86564	346.81228	2.33794	0.1058990	0.27448715	2.3448841	20	9 15.1	20.2
183817 2004 BG_{71}	16.4	X	298.03999	47.94666	350.68512	8.55698	0.1329125	0.27877064	2.3208017	20	9 21.6	18.4
183818 2004 BN_{76}	16.0	X	253.73510	278.91764	314.94338	14.56535	0.0547512	0.23907515	2.5710652	20	—	—
183819 2004 BF_{77}	17.2	X	203.09985	292.55001	53.81613	2.15846	0.1846246	0.31526666	2.1380475	20	3 4.5	20.4
183820 2004 BH_{77}	17.4	X	248.56413	85.02425	329.31991	2.20314	0.1663174	0.27378000	2.3489201	20	7 21.9	20.3
183821 2004 BV_{77}	17.0	X	317.87317	15.15124	359.14240	2.75651	0.1710108	0.27851014	2.3222486	20	9 22.5	18.6
183822 2004 BE_{79}	16.4	X	91.46353	236.05047	3.80354	3.54477	0.0439012	0.21394177	2.7686773	20	9 23.4	20.2
183823 2004 BV_{81}	16.2	X	102.12223	310.72759	351.10958	6.35487	0.1993607	0.28771729	2.2724382	20	—	—
183824 2004 BC_{83}	16.9	X	23.75715	222.71928	49.59974	2.80096	0.1762876	0.26659451	2.3909395	20	9 2.0	19.2
183825 2004 BZ_{87}	16.8	X	47.70405	270.13301	170.16871	6.13522	0.1652032	0.24373003	2.5382245	20	—	—
183826 2004 BF_{92}	16.3	X	257.05938	123.17882	306.12675	5.62324	0.0850225	0.27435053	2.3456624	20	9 3.8	19.1
183827 2004 BO_{94}	14.7	X	211.86360	227.08139	294.16074	32.83242	0.2164531	0.21891577	2.7265786	20	9 27.4	20.0
183828 2004 BV_{95}	16.4	X	119.67991	340.22397	35.25665	1.39932	0.2139206	0.30621463	2.1799779	20	1 20.7	18.9
183829 2004 BD_{96}	17.8	X	155.10056	218.82805	280.05240	1.47729	0.1499376	0.26860013	2.3790226	20	8 5.7	21.5
183830 2004 BS_{96}	17.0	X	201.24139	216.82407	218.61688	0.70278	0.1637209	0.26759718	2.3849633	20	6 28.0	20.7
183831 2004 BE_{97}	17.0	X	186.27204	333.34841	144.24768	3.72752	0.0741257	0.26929504	2.3749282	20	8 12.8	20.2
183832 2004 BZ_{98}	16.0	X	184.51213	355.42270	357.55174	15.31462	0.1116201	0.24441359	2.5334897	20	3 1.9	19.9
183833 2004 BD_{103}	16.8	X	20.22036	328.03773	150.08840	4.51032	0.1987341	0.24257573	2.5462702	20	—	—
183834 2004 BM_{104}	16.7	X	39.49235	284.07558	163.90227	5.49995	0.1528041	0.24344140	2.5402303	20	—	—
183835 2004 BG_{105}	16.4	X	130.56459	196.13044	302.06391	5.54142	0.0589299	0.26384434	2.4075253	20	7 3.9	19.5
183836 2004 BH_{105}	16.9	X	127.03917	5.75515	121.59604	2.32008	0.1399390	0.26162484	2.4211223	20	6 21.8	20.3
183837 2004 BU_{108}	16.9	X	138.75742	130.96798	358.49242	9.59867	0.1951581	0.26360556	2.4089790	20	7 12.4	20.9
183838 2004 BD_{109}	16.7	X	113.88952	219.70968	353.42040	2.64361	0.1648000	0.27146453	2.3622580	20	10 1.9	20.3
183839 2004 BQ_{109}	17.5	X	135.96619	136.20669	39.73199	1.94403	0.1241098	0.27029961	2.3690403	20	9 4.9	21.0
183840 2004 BP_{110}	16.4	X	191.96447	97.99847	54.82937	7.87753	0.0562117	0.27510147	2.3413919	20	10 12.6	19.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
183841 2004 BR_{110}	16.6	X	158.87620	72.05389	54.92221	5.47780	0.1790822	0.26619349	2.3933402	20	7 26.7	20.5
183842 2004 BS_{110}	16.3	X	174.46347	44.24723	71.25289	7.45807	0.0414788	0.26629538	2.3927296	20	7 29.2	19.6
183843 2004 BW_{112}	17.3	X	101.63540	300.38646	279.85636	3.77414	0.1910123	0.27180799	2.3602676	20	9 29.4	20.9
183844 2004 BD_{113}	16.0	X	255.10455	267.46303	136.39162	5.47282	0.0626713	0.20935574	2.8089637	20	7 26.2	19.9
183845 2004 BQ_{114}	16.5	X	226.33029	287.33741	216.24396	7.09938	0.1048106	0.27905980	2.3191982	20	11 4.3	19.4
183846 2004 BZ_{122}	17.1	X	46.54626	330.73383	322.93061	0.51447	0.1851649	0.26813999	2.3817435	20	11 5.7	20.2
183847 2004 BF_{124}	17.0	X	172.28223	221.66482	249.89399	4.05375	0.1220827	0.26831364	2.3807158	20	7 17.3	20.6
183848 2004 BN_{130}	16.1	X	208.98089	101.05471	243.59318	1.44156	0.1006842	0.19422503	2.9530168	20	3 16.2	20.7
183849 2004 BO_{134}	16.4	X	165.31409	264.66423	207.40883	8.40298	0.1695750	0.26652306	2.3913668	20	7 10.0	20.3
183850 2004 BA_{147}	16.4	X	296.10640	281.42786	144.32156	2.59419	0.0572694	0.22051920	2.7133456	20	10 24.6	19.8
183851 2004 BA_{163}	16.7	X	174.93009	353.43760	25.49344	8.34438	0.2166217	0.26013327	2.4303684	20	3 26.2	20.7
183852 2004 BB_{163}	15.8	X	258.97212	10.62351	56.42875	18.16071	0.0838730	0.21283648	2.7782543	20	9 8.7	20.0
183853 2004 CC_{2}	16.3	X	145.29345	327.94118	219.50272	4.44876	0.1736880	0.27109243	2.3644191	20	9 27.8	20.2
183854 2004 CG_{2}	16.4	X	127.25660	72.75488	120.03016	3.86586	0.1354024	0.26980085	2.3719590	20	9 19.3	19.9
183855 2004 CN_{3}	15.8	X	172.23775	186.71634	66.23368	14.00219	0.0432964	0.22965014	2.6409382	20	—	—
183856 2004 CS_{5}	16.9	X	226.06498	13.10472	131.45858	6.07827	0.0591222	0.28037483	2.3119408	20	11 14.7	19.8
183857 2004 CG_{6}	16.6	X	174.10823	88.45168	103.31750	7.06093	0.0635086	0.27833177	2.3232407	20	11 11.3	19.7
183858 2004 CR_{7}	17.0	X	147.29590	90.40268	118.79881	3.87465	0.0924383	0.27611395	2.3356646	20	10 31.9	20.3
183859 2004 CM_{10}	17.2	X	256.19264	318.11062	116.17859	2.87034	0.1938709	0.27703756	2.3304705	20	8 25.9	20.0
183860 2004 CW_{12}	17.0	X	323.74131	259.81075	171.01318	3.75290	0.1550824	0.28634450	2.2796954	20	—	—
183861 2004 CG_{13}	17.1	X	187.89349	249.73154	171.52635	1.30990	0.1732337	0.26244325	2.4160863	20	5 27.6	21.0
183862 2004 CB_{14}	16.6	X	114.96788	126.89556	109.71824	3.50658	0.1347597	0.27371921	2.3492678	20	11 2.7	20.1
183863 2004 CE_{14}	16.5	X	152.31517	337.11654	141.91447	7.91734	0.1114431	0.26347348	2.4097839	20	7 5.9	20.1
183864 2004 CN_{15}	16.6	X	13.58953	130.95062	140.60968	2.41695	0.1694865	0.26229350	2.4170058	20	8 7.8	18.8
183865 2004 CN_{16}	16.7	X	190.64181	350.00557	125.47114	2.13949	0.1328792	0.26981891	2.3718531	20	8 11.7	20.1
183866 2004 CP_{17}	17.1	X	157.05340	272.39664	252.90394	1.33299	0.1521041	0.27102457	2.3648137	20	9 10.9	20.7
183867 2004 CP_{21}	16.7	X	247.61409	73.20977	308.06304	1.18732	0.2278167	0.26728497	2.3868201	20	5 27.9	20.3
183868 2004 CL_{35}	16.0	X	280.13093	335.85435	348.18883	6.14720	0.1162422	0.25654210	2.4529966	20	5 1.8	19.2
183869 2004 CP_{35}	16.1	X	101.44164	147.55485	47.17992	3.14151	0.1147140	0.26467405	2.4024912	20	8 22.5	19.4
183870 2004 CQ_{36}	16.6	X	151.71815	61.35478	39.24197	2.03868	0.1391849	0.26162198	2.4211400	20	6 11.9	20.1
183871 2004 CO_{40}	16.8	X	161.37061	325.05668	142.20852	5.23827	0.1735253	0.26399870	2.4065868	20	7 1.4	20.6
183872 2004 CT_{40}	17.1	X	101.05176	263.25242	211.15189	1.47195	0.1256475	0.25463381	2.4652370	20	5 2.6	20.1
183873 2004 CN_{42}	16.7	X	6.35119	281.44007	350.28542	5.30732	0.1207156	0.26049581	2.4281130	20	7 19.9	19.1
183874 2004 CR_{43}	16.7	X	82.25309	108.86830	152.71285	4.64327	0.1329183	0.27117694	2.3639278	20	10 31.6	20.0
183875 2004 CK_{50}	15.7	X	291.69892	106.52468	353.75237	22.99264	0.2983666	0.22488902	2.6780821	20	10 21.7	18.6
183876 2004 CU_{50}	16.0	X	3.17221	74.07420	45.40876	4.97739	0.1872140	0.24128495	2.5553432	20	—	—
183877 2004 CH_{51}	15.3	X	168.64719	309.16644	117.85226	10.90685	0.1055794	0.19731442	2.9221118	20	5 19.3	20.0
183878 2004 CS_{53}	16.7	X	66.71459	211.18197	50.44433	0.90483	0.1908477	0.26783509	2.3835507	20	10 19.1	19.8
183879 2004 CM_{54}	16.7	X	200.53963	177.27430	273.33397	1.52964	0.1502373	0.26746161	2.3857691	20	7 18.2	20.4
183880 2004 CC_{57}	15.3	X	197.41977	234.60640	61.94577	10.54734	0.0399073	0.18022613	3.1040179	20	1 10.9	20.0
183881 2004 CV_{57}	17.4	X	121.98439	124.98825	11.53637	5.29625	0.1653964	0.26279217	2.4139472	20	7 1.5	21.0
183882 2004 CV_{59}	16.5	X	185.82138	54.38175	32.59084	6.98526	0.1075104	0.26526248	2.3989369	20	6 30.0	20.1
183883 2004 CK_{62}	16.7	X	109.03266	148.77729	41.54229	7.41846	0.0716458	0.26633360	2.3925007	20	8 23.4	20.0
183884 2004 CW_{66}	16.2	X	58.77466	205.29974	46.70447	7.76690	0.1371427	0.26651417	2.3914199	20	9 22.5	19.3
183885 2004 CW_{69}	16.6	X	261.92063	76.20961	20.77106	7.40249	0.0707537	0.27851210	2.3222377	20	10 25.4	19.3
183886 2004 CX_{69}	17.1	X	159.62485	116.76415	40.74614	4.62533	0.1689142	0.26967382	2.3727038	20	9 6.0	20.9
183887 2004 CQ_{71}	15.9	X	66.91005	202.94744	124.24428	11.93240	0.1365731	0.28252659	2.3001871	20	—	—
183888 2004 CW_{71}	16.4	X	82.99735	209.86370	34.95016	6.45958	0.1170680	0.26893419	2.3770521	20	10 8.0	19.6
183889 2004 CY_{72}	16.3	X	82.25515	267.94889	357.46537	5.47559	0.0738611	0.27489563	2.3425605	20	10 27.4	19.5
183890 2004 CT_{74}	17.0	X	176.09701	169.12305	344.78355	2.03111	0.0340433	0.27204019	2.3589243	20	9 21.9	20.0
183891 2004 CG_{76}	16.7	X	107.04811	21.20931	214.82714	2.09324	0.1072991	0.27342071	2.3509774	20	10 21.6	20.0
183892 2004 CO_{76}	16.8	X	97.71154	256.72614	293.65656	4.20512	0.1382684	0.26480198	2.4017173	20	8 12.3	20.1
183893 2004 CP_{76}	16.9	X	212.63069	147.91568	311.52995	6.40104	0.0702833	0.27109641	2.3643960	20	8 19.8	19.9
183894 2004 CV_{76}	17.2	X	71.54327	284.17084	156.95517	5.61850	0.1659480	0.24576949	2.5241631	20	2 9.9	19.9
183895 2004 CZ_{77}	16.7	X	76.48593	119.30171	118.88914	3.12303	0.1502498	0.26723324	2.3871281	20	9 25.4	20.0
183896 2004 CD_{79}	16.6	X	117.99531	194.83676	70.15741	1.94582	0.1854013	0.27754252	2.3276430	20	12 11.2	20.3
183897 2004 CS_{79}	16.2	X	44.22063	124.71000	133.82744	8.06924	0.0879413	0.26508289	2.4000203	20	8 31.2	18.9
183898 2004 CU_{81}	16.9	X	350.65370	344.97755	127.41088	3.46662	0.1440848	0.23611267	2.5925264	20	—	—
183899 2004 CW_{81}	17.3	X	174.50162	286.82806	151.50056	1.56980	0.1527918	0.26253599	2.4155173	20	6 6.1	21.1
183900 2004 CU_{82}	17.0	X	28.02703	249.56125	31.45485	1.45642	0.0249648	0.26886104	2.3774833	20	8 29.3	19.6
183901 2004 CP_{83}	17.4	X	144.42849	178.05460	280.59615	0.61089	0.0931427	0.25931505	2.4354781	20	5 29.6	20.9
183902 2004 CW_{89}	15.7	X	78.88030	352.31332	149.15267	1.48902	0.0951081	0.19303705	2.9651199	20	5 7.4	19.7
183903 2004 CX_{89}	16.7	X	256.42373	266.23639	153.56169	7.59097	0.1693160	0.27255750	2.3559385	20	8 7.3	19.8
183904 2004 CP_{90}	16.7	X	239.76189	205.49166	219.45830	6.38667	0.0834008	0.26957722	2.3732706	20	8 3.4	19.9
183905 2004 CC_{91}	17.0	X	126.27507	16.19509	169.82242	7.41592	0.0541774	0.26900091	2.3766590	20	9 2.3	20.1
183906 2004 CP_{91}	17.0	X	183.78871	305.64948	209.22233	3.34949	0.1054386	0.27493203	2.3423538	20	9 27.4	20.4
183907 2004 CO_{93}	16.6	X	98.13724	319.81179	219.51080	5.74871	0.0683275	0.26393203	2.4069920	20	7 18.7	19.9
183908 2004 CN_{94}	17.2	X	172.26174	169.59373	267.75483	1.30385	0.1411933	0.26088366	2.4257058	20	6 2.2	20.8
183909 2004 CW_{96}	16.7	X	126.81172	301.46777	201.53746	6.58051	0.0806365	0.26184826	2.4197449	20	7 6.4	20.2
183910 2004 CY_{99}	16.2	X	206.63413	61.82167	52.28951	3.79305	0.1846679	0.27120294	2.3637767	20	8 24.4	19.8
183911 2004 CB_{100}	16.2	X	13.49974	220.58584	83.31914	4.38123	0.1329902	0.26659670	2.3909264	20	9 25.7	18.7
183912 2004 CS_{100}	16.6	X	130.56307	101.45282	48.92643	3.19245	0.1397684	0.26295199	2.4129690	20	7 27.5	20.2
183913 2004 CT_{100}	16.1	X	115.44523	103.77278	125.68425	5.53169	0.1133455	0.27134590	2.3629464	20	10 24.8	19.6
183914 2004 CC_{101}	15.9	X	281.51526	336.56864	166.13625	15.98533	0.1180330	0.22528348	2.6749551	20	—	—
183915 2004 CO_{103}	16.2	X	39.17670	294.54536	280.80525	5.98109	0.0980622	0.25718145	2.4489296	20	6 19.1	18.9
183916 2004 CP_{103}	16.6	X	264.31035	227.10022	192.70269	7.27643	0.1092321	0.27243985	2.3566167	20	8 27.6	19.5
183917 2004 CF_{105}	16.8	X	88.50930	5.72759	179.85423	1.68129	0.1184040	0.25993723	2.4315902	20	7 22.9	19.9
183918 2004 CO_{107}	16.1	X	70.06968	44.48337	334.65520	12.56026	0.2286939	0.23498202	2.6008359	20	—	—
183919 2004 CX_{107}	17.2	X	351.45045	302.04657	164.36032	2.05615	0.1378392	0.23471664	2.6027960	20	—	—
183920 2004 CM_{109}	15.7	X	249.07175	96.81019	74.18846	14.98474	0.0368867	0.22891764	2.6465689	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
183921 2004 CA_{110}	15.1	X	279.06438	352.37594	244.12761	10.59522	0.0187851	0.18119725	3.0929173	20	1 28.9	19.7
183922 2004 CQ_{112}	16.5	X	162.18747	75.18805	96.63268	7.72267	0.0557933	0.27540308	2.3396821	20	10 3.1	19.7
183923 2004 CS_{118}	17.4	X	232.70725	287.24432	169.07719	3.00777	0.1949205	0.27459819	2.3442519	20	8 25.3	20.7
183924 2004 CM_{122}	17.1	X	115.94220	223.80624	146.25553	11.70350	0.1836543	0.24061552	2.5600805	20	1 14.4	20.6
183925 2004 CG_{123}	17.0	X	329.25426	167.73853	153.44091	2.30730	0.1789262	0.26522711	2.3991502	20	7 16.9	18.9
183926 2004 CJ_{127}	16.6	X	135.84210	162.48801	118.84000	6.59656	0.1626218	0.28529062	2.2853061	20	—	—
183927 2004 DP	16.8	X	102.60178	54.41832	69.79192	3.25069	0.1582516	0.25640156	2.4538929	20	5 22.7	20.0
183928 2004 DY_{1}	16.4	X	201.61987	329.81683	133.62329	3.96106	0.1791107	0.20904596	2.8117381	20	7 31.0	20.8
183929 2004 DL_{2}	16.7	X	42.83312	199.09633	35.06095	4.42336	0.1083561	0.26265158	2.4148086	20	7 27.2	19.4
183930 2004 DQ_{4}	16.8	X	173.65150	341.45410	89.36529	2.60939	0.0821952	0.25977173	2.4326229	20	5 25.5	20.2
183931 2004 DR_{6}	17.6	X	89.57509	111.88090	22.21779	1.55048	0.1249101	0.25440816	2.4666944	20	5 14.1	20.6
183932 2004 DT_{6}	17.1	X	162.58536	56.50726	64.63834	1.49307	0.1630604	0.26504747	2.4002341	20	7 21.2	20.7
183933 2004 DF_{9}	16.6	X	191.54118	97.09665	34.50406	2.73424	0.0882390	0.27110652	2.3643372	20	9 7.8	19.9
183934 2004 DK_{11}	16.7	X	104.47367	44.45397	158.11493	5.40804	0.1524306	0.26552719	2.3973423	20	9 7.9	20.3
183935 2004 DW_{19}	16.6	X	20.96470	180.03721	74.06332	1.81603	0.1413263	0.26022122	2.4298208	20	7 22.2	18.8
183936 2004 DA_{22}	16.9	X	317.61164	42.59992	113.33478	6.16280	0.2364523	0.23424121	2.6063167	20	—	—
183937 2004 DG_{22}	16.3	X	13.76456	70.08430	77.73808	4.42442	0.1290895	0.24214374	2.5492977	20	1 28.3	18.9
183938 2004 DO_{25}	17.7	X	145.45405	160.53027	343.68959	2.21089	0.1489068	0.26649472	2.3915363	20	8 3.8	21.3
183939 2004 DO_{27}	16.6	X	317.38756	0.10413	148.33378	4.91492	0.1991043	0.23303699	2.6152877	20	—	—
183940 2004 DB_{29}	17.2	X	141.91023	97.82531	19.41131	3.14772	0.1837011	0.26160388	2.4212516	20	6 26.7	21.1
183941 2004 DX_{29}	16.9	X	272.79446	57.58857	349.24919	5.50590	0.2292640	0.27496885	2.3421447	20	8 4.7	19.6
183942 2004 DO_{31}	16.4	X	155.48558	336.04946	112.35993	3.85097	0.0324001	0.25741920	2.4474214	20	5 25.8	19.6
183943 2004 DN_{32}	16.6	X	35.85612	256.12389	347.73710	5.69394	0.1060893	0.26080028	2.4262228	20	7 29.7	19.3
183944 2004 DS_{34}	16.6	X	292.56903	317.97036	80.42374	2.69677	0.0603062	0.27422170	2.3463970	20	9 21.8	19.1
183945 2004 DW_{34}	16.8	X	66.98546	263.72670	4.64788	2.41733	0.1875058	0.26965583	2.3728093	20	10 27.3	20.2
183946 2004 DG_{35}	15.2	X	33.76518	218.92669	281.10675	8.09174	0.0304086	0.18525074	3.0476335	20	2 23.2	19.4
183947 2004 DD_{36}	15.2	X	254.70974	39.22959	200.57876	5.26540	0.1272055	0.17426257	3.1744365	20	—	—
183948 2004 DB_{40}	16.5	X	60.51584	16.71337	267.48684	1.48729	0.1968084	0.27097153	2.3651223	20	11 11.3	19.8
183949 2004 DH_{40}	16.5	X	135.29096	343.90512	182.51862	3.41031	0.1134448	0.26644074	2.3918593	20	8 19.9	19.9
183950 2004 DO_{40}	16.9	X	206.93307	160.69014	264.77792	2.25214	0.1544161	0.26520131	2.3993058	20	6 21.0	20.3
183951 2004 DF_{43}	16.8	X	104.70141	174.15895	69.54236	2.15455	0.1564518	0.27192534	2.3595885	20	11 1.5	20.3
183952 2004 DL_{44}	16.7	X	63.32429	250.94612	10.67637	2.61823	0.1636227	0.26685321	2.3893940	20	10 11.2	19.8
183953 2004 DA_{47}	16.6	X	73.16856	34.96746	167.17324	7.56777	0.1486038	0.25975807	2.4327082	20	7 29.6	19.9
183954 2004 DS_{47}	16.8	X	172.99731	281.58699	172.47130	6.32320	0.0718047	0.26138284	2.4226165	20	6 24.9	20.3
183955 2004 DG_{50}	16.7	X	82.08761	150.02278	292.14909	1.90925	0.1067390	0.24614065	2.5216249	20	2 19.2	19.7
183956 2004 DC_{52}	16.8	X	123.35740	169.28976	350.90807	1.63219	0.1848815	0.26299690	2.4126943	20	8 4.7	20.5
183957 2004 DK_{54}	16.9	X	86.21686	138.17479	128.92271	2.93632	0.1771964	0.27309466	2.3528482	20	11 15.2	20.5
183958 2004 DG_{56}	17.4	X	110.24789	312.41019	228.02585	1.83362	0.1563236	0.26438451	2.4042449	20	8 14.8	21.0
183959 2004 DT_{59}	16.6	X	93.65653	74.80941	143.18194	4.81092	0.1501959	0.26689741	2.3891302	20	9 17.6	20.1
183960 2004 DL_{60}	16.7	X	304.40808	192.43057	161.22904	7.95695	0.0615540	0.26676746	2.3899060	20	8 1.1	19.4
183961 2004 DM_{61}	16.9	X	344.23260	122.22951	352.08662	2.52550	0.1374896	0.23397642	2.6082826	20	—	—
183962 2004 DM_{62}	15.2	X	174.02961	35.32565	42.35748	24.43967	0.3070133	0.26055651	2.4277358	20	5 31.4	19.9
183963 2004 DJ_{64}	6.8	X	321.99797	132.80137	103.23155	2.44493	0.1040891	0.00333609	44.3585976	20	3 31.2	22.9
183964 2004 DJ_{71}	7.4	X	3.98158	56.50487	101.73285	11.31695	0.3795806	0.00257106	52.7709463	20	3 11.7	22.6
183965 2004 DD_{77}	16.6	X	120.00651	140.84630	8.26750	1.39440	0.1270167	0.26086891	2.4257973	20	7 12.5	20.0
183966 2004 ER_{1}	16.1	X	61.18555	117.08477	176.42395	6.12724	0.1349288	0.27205429	2.3588428	20	11 18.5	19.3
183967 2004 EQ_{4}	15.5	X	290.12278	130.32225	96.94431	2.38148	0.1241193	0.17887236	3.1196597	20	1 21.1	20.1
183968 2004 EW_{6}	16.6	X	63.65709	87.32426	185.13775	6.05447	0.0967430	0.26830324	2.3807773	20	10 18.2	19.5
183969 2004 ES_{7}	16.0	X	35.27517	303.03480	168.70286	13.69569	0.0610577	0.23825751	2.5769440	20	1 14.4	19.3
183970 2004 EC_{8}	16.2	X	321.71278	299.67083	346.10333	7.88064	0.0314793	0.25423523	2.4678129	20	5 21.9	19.3
183971 2004 EG_{8}	16.0	X	88.02870	59.73124	356.43288	22.49883	0.0674596	0.23796424	2.5790608	20	1 30.2	19.7
183972 2004 EA_{11}	16.4	X	45.08092	100.49602	11.19535	18.37168	0.1059703	0.24117233	2.5561386	20	2 10.9	19.6
183973 2004 EH_{11}	16.9	X	49.71268	173.45018	22.93752	6.66086	0.1054917	0.25567805	2.4585201	20	6 8.5	19.8
183974 2004 EM_{15}	16.1	X	9.57651	50.61854	60.91036	11.99712	0.1616565	0.23621715	2.5917619	20	—	—
183975 2004 EX_{15}	15.5	X	175.71952	334.89077	344.15098	13.60268	0.1859778	0.23587531	2.5942653	20	1 17.3	19.9
183976 2004 ER_{19}	16.3	X	358.18664	349.10242	168.86923	15.43771	0.0658996	0.24111661	2.5565324	20	1 19.2	19.7
183977 2004 EP_{28}	16.5	X	283.24672	344.58242	1.25895	3.18058	0.2094139	0.25875718	2.4389774	20	5 23.4	19.5
183978 2004 EU_{28}	16.9	X	166.68493	345.60194	7.55889	3.21063	0.1100172	0.24081790	2.5586460	20	2 11.0	20.6
183979 2004 EJ_{31}	14.9	X	330.42225	299.61267	254.54338	8.98395	0.0463289	0.17976138	3.1093655	20	2 6.5	19.3
183980 2004 ED_{36}	16.5	X	114.67349	286.03563	204.62444	4.40242	0.0632447	0.25696688	2.4502926	20	6 3.2	19.7
183981 2004 EJ_{37}	14.8	X	213.57058	235.47226	27.54783	31.55465	0.3127265	0.22517581	2.6758077	20	—	—
183982 2004 EH_{43}	16.5	X	79.90554	49.08866	95.44039	5.88573	0.0542044	0.25221991	2.4809412	20	5 6.1	19.6
183983 2004 EH_{44}	16.5	X	208.37415	120.38308	201.74902	0.81351	0.1385060	0.24177470	2.5518911	20	2 13.2	20.4
183984 2004 EQ_{45}	16.3	X	129.76711	256.78053	1.37439	4.77915	0.0688019	0.21756081	2.7378876	20	11 30.4	20.4
183985 2004 EK_{46}	16.3	X	353.59689	138.92553	123.17126	9.05780	0.0904740	0.25572681	2.4582075	20	6 8.6	19.0
183986 2004 EH_{48}	17.3	X	128.96609	47.73288	58.38312	3.38102	0.1322274	0.25606575	2.4560379	20	5 25.5	20.8
183987 2004 EU_{51}	17.0	X	0.80780	118.16773	143.50026	3.79787	0.1690732	0.25559957	2.4590233	20	6 22.2	18.9
183988 2004 EL_{52}	16.7	X	184.88313	10.17192	147.87735	6.28590	0.0519838	0.27284631	2.3542757	20	10 10.2	19.8
183989 2004 EF_{53}	15.8	X	49.84593	264.52161	54.03570	4.58677	0.2222493	0.27244454	2.3565897	20	12 17.0	19.1
183990 2004 EM_{53}	16.6	X	40.64073	307.04936	152.14086	12.70438	0.1449681	0.23961909	2.5671728	20	1 8.3	19.4
183991 2004 EJ_{54}	16.6	X	346.18937	26.87159	119.65170	3.67970	0.1017004	0.23592325	2.5939139	20	—	—
183992 2004 EX_{58}	16.3	X	291.41997	327.79891	268.91438	9.72306	0.1285537	0.23888066	2.5724605	20	1 22.4	19.9
183993 2004 EV_{60}	17.1	X	312.94238	11.43372	202.38091	1.96987	0.1047264	0.24203797	2.5500403	20	1 24.2	20.3
183994 2004 EF_{63}	16.6	X	169.49082	271.96131	208.09945	5.95150	0.0699818	0.26303311	2.4124729	20	7 24.9	20.1
183995 2004 EU_{63}	16.8	X	323.97639	6.51745	173.31008	5.32815	0.0518500	0.23666299	2.5885059	20	1 3.8	20.2
183996 2004 EU_{71}	17.4	X	145.23950	190.92205	283.24237	1.45634	0.1667703	0.25973227	2.4328693	20	6 24.9	21.1
183997 2004 EE_{72}	16.5	X	104.54774	252.65772	353.84503	0.58024	0.0375980	0.27290101	2.3539611	20	10 27.3	19.6
183998 2004 EQ_{74}	15.7	X	8.14175	258.51129	184.22936	21.81700	0.0467988	0.22721230	2.6597950	20	—	—
183999 2004 EV_{76}	16.2	X	193.02706	95.24634	142.67769	4.94341	0.0715271	0.22479074	2.6788626	20	—	—
184000 2004 EB_{78}	17.0	X	124.50826	347.37855	118.12424	2.29587	0.1908275	0.25464320	2.4651763	20	5 26.2	20.7