Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
84001 2002 NE_{29}	16.1	X	274.36981	354.93746	6.83202	1.08887	0.2028452	0.26881256	2.3777691	20	6 4.6	19.1
84002 2002 NB_{38}	15.4	X	61.87463	124.39919	277.08267	12.63323	0.1820202	0.24037686	2.5617747	20	—	—
84003 2002 NA_{52}	16.3	X	225.51413	251.96275	137.22382	5.51062	0.2276036	0.26400311	2.4065599	20	5 19.3	20.3
84004 2002 OT_{3}	14.8	X	31.62868	153.30679	204.18387	13.28541	0.2809807	0.22624622	2.6673612	20	—	—
84005 2002 OC_{4}	14.7	X	79.76629	125.32296	239.43612	14.48728	0.1311623	0.23276241	2.6173441	20	—	—
84006 2002 OJ_{4}	15.0	X	46.16741	91.35082	263.11266	11.33683	0.1338114	0.22781727	2.6550841	20	—	—
84007 2002 OK_{12}	16.1	X	344.04454	282.80214	85.47625	3.13388	0.2257240	0.27865762	2.3214291	20	11 21.3	17.7
84008 2002 OP_{14}	14.7	X	356.16638	193.82653	205.26008	10.18310	0.2072676	0.17474727	3.1685637	20	12 17.5	18.4
84009 2002 OM_{22}	16.2	X	340.89104	225.45517	119.77921	3.12975	0.2193613	0.27644079	2.3338233	20	10 4.7	17.6
84010 2002 OZ_{23}	14.5	X	155.75888	169.42585	212.90459	16.60696	0.2356260	0.19230360	2.9726545	20	3 14.2	19.7
84011 Jean-Claude	13.7	X	18.87388	43.65769	9.20560	4.01350	0.2453477	0.12275863	4.0096029	20	—	—
84012 Deluise	16.6	X	134.91506	42.94428	281.33327	3.73089	0.1523093	0.29772283	2.2212356	20	—	—
84013 2002 PZ_{5}	14.8	X	104.98998	151.58387	201.56694	10.49344	0.1291878	0.18534095	3.0466445	20	—	—
84014 2002 PG_{30}	15.9	X	44.81241	52.05499	239.63992	1.78563	0.0519283	0.22434785	2.6823870	20	10 2.7	19.4
84015 Efthymiopoulos	15.9	X	156.27734	316.70552	174.21509	5.28125	0.1481529	0.27042588	2.3683027	20	7 26.6	19.6
84016 2002 PE_{37}	15.2	X	41.66365	24.13582	322.09960	10.37919	0.2220579	0.22674779	2.6634262	20	—	—
84017 2002 PF_{37}	15.2	X	108.82991	59.57192	341.54035	12.95947	0.1761031	0.24289033	2.5440710	20	2 15.8	18.5
84018 2002 PL_{37}	15.7	X	84.08315	351.46268	338.33417	7.06498	0.1963676	0.28854384	2.2680964	20	—	—
84019 2002 PN_{37}	15.8	X	322.00187	188.88064	159.84358	2.83677	0.2442900	0.27134753	2.3629370	20	8 9.3	16.9
84020 2002 PZ_{40}	15.0	X	57.48899	44.81177	307.75941	12.71146	0.1255437	0.23010994	2.6374190	20	—	—
84021 2002 PC_{41}	15.0	X	21.42316	38.12079	318.91204	14.07589	0.1293198	0.22478929	2.6788741	20	12 6.4	18.7
84022 2002 PR_{41}	16.0	X	87.02564	343.69077	1.34195	5.88291	0.2088582	0.28999493	2.2605240	20	—	—
84023 2002 PX_{41}	15.8	X	347.61082	297.56611	32.57964	2.53769	0.2257884	0.27298193	2.3534959	20	9 24.7	17.2
84024 2002 PB_{42}	16.1	X	46.12154	288.80247	64.52281	4.93043	0.1533138	0.28372842	2.2936870	20	—	—
84025 2002 PN_{42}	14.8	X	227.59702	326.36760	49.90398	6.33942	0.1768715	0.20305116	2.8668111	20	5 7.9	19.4
84026 2002 PO_{42}	15.6	X	324.90140	190.35019	134.64928	7.69212	0.1367296	0.26742796	2.3859692	20	7 17.8	17.8
84027 2002 PE_{44}	15.6	X	334.73986	344.52911	343.51714	7.18605	0.1314326	0.27007530	2.3703518	20	8 15.9	17.7
84028 2002 PN_{44}	15.3	X	322.32015	230.91777	100.77877	5.76650	0.2420476	0.21281760	2.7784187	20	7 4.7	17.8
84029 2002 PT_{44}	15.5	X	241.36549	286.73209	87.89667	7.12788	0.2474338	0.25972158	2.4329360	20	5 13.5	19.4
84030 2002 PY_{44}	14.4	X	324.02264	246.77612	121.85289	9.94458	0.1755286	0.21489531	2.7604810	20	9 15.5	17.2
84031 2002 PZ_{45}	14.6	X	338.24648	226.61334	169.85300	15.17902	0.2878320	0.22248125	2.6973695	20	12 7.6	17.1
84032 2002 PQ_{46}	14.9	X	65.57522	192.50299	171.64958	15.02692	0.1586947	0.23283977	2.6167643	20	—	—
84033 2002 PT_{46}	16.0	X	290.45683	106.55554	234.87545	0.97694	0.2271323	0.26523036	2.3991306	20	5 25.3	18.8
84034 2002 PL_{49}	15.7	X	278.15245	187.44174	212.45504	7.44491	0.2226590	0.21514128	2.7583766	20	7 25.4	19.4
84035 2002 PX_{49}	14.2	X	119.69701	241.12385	184.16105	14.88153	0.2017121	0.19072823	2.9890010	20	4 4.3	18.7
84036 2002 PF_{50}	16.1	X	349.26682	325.26273	33.56047	2.97091	0.1866154	0.27653020	2.3333202	20	11 9.9	17.9
84037 2002 PH_{50}	15.8	X	5.43613	210.38897	115.13026	2.88451	0.2249421	0.27580137	2.3374290	20	10 29.8	17.8
84038 2002 PQ_{50}	16.3	X	156.95454	206.45232	153.24574	6.18098	0.1779390	0.30167827	2.2017772	20	2 6.5	19.4
84039 2002 PW_{50}	15.9	X	51.85027	307.23902	56.71018	4.10121	0.1738091	0.28485228	2.2876500	20	—	—
84040 2002 PK_{54}	16.4	X	162.12161	344.21212	353.94779	5.67253	0.1459177	0.30090354	2.2055548	20	1 13.7	19.4
84041 2002 PL_{55}	15.9	X	231.51822	120.37062	262.12758	2.44596	0.2239253	0.26246093	2.4159778	20	5 14.4	19.7
84042 2002 PQ_{56}	16.1	X	22.00711	91.18601	299.32212	6.46175	0.1208119	0.28762899	2.2729032	20	—	—
84043 2002 PA_{57}	15.5	X	65.62763	49.04814	327.50081	13.02936	0.1851538	0.23593554	2.5938238	20	—	—
84044 2002 PB_{58}	14.9	X	342.80989	54.27346	331.62268	6.99775	0.2293027	0.22331351	2.6906635	20	11 21.3	17.4
84045 2002 PN_{58}	15.8	X	202.40135	352.89551	13.44342	1.15365	0.1941489	0.25634381	2.4542615	20	3 31.7	19.9
84046 2002 PF_{59}	15.6	X	229.78570	233.38597	137.38077	4.22221	0.1212281	0.26111952	2.4242449	20	5 7.4	19.1
84047 2002 PZ_{59}	15.6	X	249.37985	218.71845	143.64691	7.19518	0.1889762	0.26209423	2.4182308	20	5 11.7	19.3
84048 2002 PS_{60}	16.1	X	352.94108	253.73936	132.23574	6.31750	0.1667713	0.28007671	2.3135810	20	12 26.0	18.5
84049 2002 PU_{60}	15.6	X	2.64048	203.52569	164.18427	11.07469	0.1646977	0.22365444	2.6879284	20	11 30.1	18.8
84050 2002 PY_{60}	15.4	X	98.60161	225.87606	135.20106	6.51575	0.1805673	0.23715628	2.5849152	20	—	—
84051 2002 PL_{63}	16.3	X	275.30100	92.91242	300.32756	1.33376	0.2117813	0.27181208	2.3602439	20	7 20.5	18.7
84052 2002 PB_{69}	14.5	X	85.81232	48.62924	303.70873	11.22781	0.2527606	0.23247935	2.6194682	20	—	—
84053 2002 PS_{71}	15.0	X	223.00507	211.55719	176.48511	11.47832	0.2926106	0.26269044	2.4145704	20	5 12.9	19.4
84054 2002 PE_{84}	15.9	X	252.52054	250.19825	108.12832	2.23899	0.2019660	0.26333557	2.4106252	20	5 6.5	19.5
84055 2002 PM_{84}	15.5	X	62.52677	336.10955	334.31996	24.41346	0.1338382	0.28440375	2.2900546	20	12 12.8	19.3
84056 2002 PK_{86}	15.7	X	100.48367	240.42480	114.18544	14.21331	0.1137306	0.23987423	2.5653522	20	—	—
84057 2002 PL_{93}	16.2	X	203.00760	183.80428	186.84766	22.04003	0.0805935	0.36829039	1.9275654	20	4 1.6	18.2
84058 2002 PQ_{101}	15.6	X	20.72389	145.58273	280.15821	11.83247	0.2425199	0.23724169	2.5842947	20	—	—
84059 2002 PV_{104}	14.5	X	2.33832	55.36897	310.28184	21.62673	0.1371932	0.17057419	3.2200343	20	10 27.2	19.0
84060 2002 PV_{112}	16.0	X	98.41044	223.66495	159.08910	16.36862	0.1882486	0.24286113	2.5442750	20	1 7.9	19.4
84061 2002 PJ_{113}	15.5	X	39.38103	249.45897	151.59918	14.57213	0.3074181	0.23527846	2.5986509	20	—	—
84062 2002 PQ_{117}	15.3	X	63.60604	83.24551	279.23619	11.43928	0.1688403	0.23329631	2.6133494	20	—	—
84063 2002 PC_{122}	15.3	X	274.60709	137.75363	263.41697	6.81569	0.2225616	0.21518281	2.7580216	20	7 23.1	19.0
84064 2002 PK_{126}	16.0	X	243.56710	38.80952	346.94387	1.80300	0.1187035	0.26675010	2.3900096	20	6 11.2	19.1
84065 2002 PQ_{128}	14.9	X	349.36198	330.71955	36.14450	7.73126	0.2436930	0.22258037	2.6965686	20	11 10.7	17.2
84066 2002 PM_{133}	16.1	X	247.25090	268.06802	134.20472	2.83704	0.1637737	0.26917362	2.3756423	20	7 2.9	19.2
84067 2002 PN_{135}	15.8	X	294.82323	193.26174	140.58512	2.98327	0.2461894	0.26775351	2.3840348	20	5 18.4	18.6
84068 2002 PK_{138}	15.4	X	89.59908	229.18634	223.36353	19.84915	0.0876759	0.36459022	1.9405852	20	2 15.7	17.7
84069 2002 PL_{138}	16.2	X	132.90148	222.42102	209.84157	20.87082	0.1004382	0.36730594	1.9310080	20	4 1.8	18.3
84070 2002 PE_{139}	15.2	X	24.15185	266.64325	166.80733	22.09479	0.0620535	0.23818604	2.5774595	20	—	—
84071 2002 PC_{142}	16.5	X	262.76559	207.88972	337.94343	6.62028	0.0321995	0.29593355	2.2301800	20	—	—
84072 2002 PP_{142}	14.2	X	112.91232	106.54319	263.83407	11.23432	0.3322368	0.23959277	2.5673609	20	1 28.7	18.1
84073 2002 PY_{158}	16.3	X	62.35332	58.57966	336.51336	6.91292	0.2001775	0.23955760	2.5676121	20	—	—
84074 2002 PN_{163}	15.8	X	62.18403	342.97177	132.80756	5.94256	0.1364813	0.25495283	2.4631801	20	3 10.8	18.4
84075 Peterpatricia	15.9	X	251.54468	352.11699	330.09780	1.23327	0.0582289	0.20410788	2.8569077	20	4 6.2	20.0
84076 2002 QN	14.7	X	273.70941	88.29928	311.28117	7.93326	0.0697505	0.21514377	2.7583552	20	8 13.6	18.3
84077 2002 QH_{1}	16.2	X	229.76199	182.41282	207.34896	5.60610	0.1209901	0.26250377	2.4157149	20	5 31.8	19.6
84078 2002 QA_{2}	15.9	X	77.30381	109.43570	298.53560	6.11511	0.1584162	0.24334208	2.5409215	20	1 4.9	18.5
84079 2002 QD_{5}	16.2	X	302.87400	200.86436	191.99007	5.92286	0.1121452	0.27591467	2.3367891	20	9 23.9	18.4
84080 2002 QU_{7}	15.0	X	293.68402	19.68875	13.96996	14.28669	0.2844767	0.21650020	2.7468220	20	8 8.6	18.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
84081 2002 QH_9	15.6	X	226.55130	297.37408	112.07126	8.09251	0.1686620	0.20978099	2.8051664	20	6 18.2	20.1
84082 2002 QA_{18}	16.1	X	262.14416	343.89122	157.23105	5.05509	0.0921093	0.28667001	2.2779693	20	12 28.3	18.4
84083 2002 QC_{18}	16.5	X	196.13103	99.58260	1.18574	1.43603	0.1350875	0.26818173	2.3814964	20	7 28.8	20.1
84084 2002 QT_{21}	16.5	X	246.26804	70.21636	4.80715	2.15179	0.1765837	0.27287559	2.3541073	20	8 15.9	19.6
84085 2002 QU_{24}	13.8	X	32.31828	130.24019	285.83554	25.99383	0.1851688	0.17582610	3.1555893	20	—	—
84086 2002 QW_{26}	15.9	X	320.40284	45.43181	354.20950	4.74390	0.1236501	0.22320259	2.6915548	20	10 22.1	18.8
84087 2002 QR_{28}	15.7	X	141.11042	287.68597	115.27563	9.77216	0.2191274	0.25320599	2.4744958	20	3 29.9	19.7
84088 2002 QQ_{29}	16.7	X	15.48766	19.92956	16.15710	4.48316	0.1663429	0.28782980	2.2718459	20	—	—
84089 2002 QB_{38}	15.8	X	256.89853	46.78005	358.79512	8.71953	0.1649760	0.26804661	2.3822966	20	7 22.5	19.0
84090 2002 QL_{40}	15.5	X	348.88057	39.92500	352.78770	13.31189	0.2473009	0.22577391	2.6710799	20	12 20.3	18.4
84091 2002 QM_{45}	15.9	X	201.12357	8.23398	52.61380	9.94133	0.1945950	0.26295296	2.4129631	20	6 6.4	19.9
84092 2002 QR_{46}	15.9	X	217.02632	345.64366	13.25896	2.79022	0.2380824	0.25899982	2.4374539	20	4 2.4	19.9
84093 2002 QS_{46}	15.8	X	45.58243	166.95141	253.02443	7.10224	0.1851879	0.23788840	2.5796089	20	—	—
84094 2002 QB_{47}	14.8	X	17.86465	112.60702	251.56324	11.55476	0.2817729	0.22531258	2.6747247	20	—	—
84095 Davidjohn	16.0	X	64.25415	11.56896	122.30211	3.91653	0.1284416	0.25419802	2.4680537	20	4 8.6	18.7
84096 Reginaldglenice	16.5	X	351.15497	50.18775	323.86343	5.08687	0.1499623	0.28084046	2.3093846	20	12 1.9	18.8
84097 2002 RY_1	15.8	X	342.46617	91.06095	305.59081	3.05522	0.1487050	0.22490855	2.6779271	20	11 30.2	18.6
84098 2002 RV_2	16.1	X	291.11685	173.77353	155.33151	1.82953	0.2167676	0.26539280	2.3981516	20	5 10.9	19.1
84099 2002 RF_3	15.8	X	239.18608	301.80400	57.60595	2.15732	0.2026725	0.26049036	2.4281468	20	4 24.4	19.5
84100 Farnocchia	15.3	X	345.51349	208.32471	152.21298	5.81838	0.2004427	0.21831945	2.7315413	20	10 20.7	17.8
84101 2002 RQ_9	15.9	X	205.82822	225.72357	174.39045	3.33537	0.1856392	0.26100770	2.4249372	20	5 17.1	19.8
84102 2002 RX_{11}	16.1	X	318.99303	208.81998	188.64779	3.41199	0.1226402	0.27709913	2.3301253	20	11 3.2	18.1
84103 2002 RH_{12}	13.1	X	73.14560	191.87312	179.31089	11.29150	0.1616499	0.12346136	3.9943735	20	—	—
84104 2002 RN_{13}	14.9	X	156.94578	249.57074	154.01045	5.71316	0.2121425	0.19612143	2.9339499	20	4 12.9	19.8
84105 2002 RA_{15}	16.7	X	284.53153	245.77292	168.20819	1.84872	0.2228064	0.27252120	2.3561478	20	9 3.9	18.9
84106 2002 RD_{16}	16.2	X	257.96591	85.72685	274.66262	1.59187	0.1807157	0.26351652	2.4095216	20	5 16.6	19.6
84107 2002 RV_{17}	15.9	X	258.67726	110.30560	348.49147	6.97889	0.0638441	0.27806764	2.3247116	20	10 22.1	18.6
84108 2002 RA_{18}	15.8	X	230.76068	209.91584	158.16040	2.95050	0.2203128	0.25993506	2.4316037	20	4 27.1	19.7
84109 2002 RB_{18}	16.1	X	336.59447	248.64969	160.94444	5.16387	0.1269974	0.28160619	2.3051963	20	12 26.3	18.4
84110 2002 RQ_{18}	15.5	X	299.72177	211.30064	160.25092	9.69017	0.1734292	0.21485542	2.7608226	20	7 28.9	18.9
84111 2002 RR_{19}	16.0	X	18.70070	263.56277	102.84030	3.62422	0.1348318	0.28231415	2.3013409	20	—	—
84112 2002 RG_{21}	16.0	X	234.64331	321.81214	153.07568	6.27918	0.0374042	0.27753083	2.3277083	20	10 19.5	18.8
84113 2002 RB_{23}	16.4	X	282.95558	93.87537	325.74294	2.02430	0.1529352	0.27505916	2.3416320	20	9 21.9	18.6
84114 2002 RB_{25}	15.6	X	353.98025	349.63465	39.46688	3.02207	0.2389775	0.22113073	2.7083408	20	12 21.9	18.3
84115 2002 RC_{25}	15.5	X	101.26531	192.57948	232.53065	1.37032	0.1900443	0.24133694	2.5549762	20	3 7.7	18.8
84116 2002 RL_{25}	15.2	X	21.14195	34.31349	355.71000	3.35288	0.2337253	0.22589479	2.6701269	20	—	—
84117 2002 RB_{26}	15.9	X	324.02407	48.68125	328.53568	7.63709	0.2639125	0.21956100	2.7212341	20	9 16.9	18.1
84118 Bracalicioci	15.7	X	16.84160	296.48748	43.19031	5.32990	0.1939531	0.27954858	2.3164940	20	12 1.9	18.2
84119 2002 RF_{26}	15.8	X	244.62181	48.13123	24.50101	9.88834	0.2701513	0.21181285	2.7871982	20	7 28.0	20.4
84120 2002 RY_{27}	15.5	X	10.52521	223.53208	179.67066	13.76073	0.1847674	0.22669170	2.6638656	20	—	—
84121 2002 RE_{28}	15.2	X	43.36179	151.18126	193.06336	8.37320	0.1399789	0.22431268	2.6826674	20	12 20.8	19.0
84122 2002 RJ_{31}	15.9	X	26.87956	317.58599	282.44324	4.31087	0.1965526	0.26856562	2.3792264	20	7 20.3	17.8
84123 2002 RR_{33}	16.4	X	351.58649	260.79099	185.05821	6.26480	0.0784291	0.29060561	2.2573560	20	—	—
84124 2002 RW_{33}	16.2	X	230.31536	179.21402	188.65217	6.24550	0.1272161	0.26051828	2.4279733	20	5 3.3	19.7
84125 2002 RL_{35}	14.4	X	92.72622	277.71734	16.14735	13.42207	0.2668280	0.22507326	2.6766204	20	12 19.2	19.2
84126 2002 RC_{38}	15.3	X	345.10160	336.57229	141.61083	9.96848	0.0731928	0.24156194	2.5533894	20	—	—
84127 2002 RG_{40}	15.4	X	333.56018	297.88264	147.44378	9.21954	0.1648522	0.23170090	2.6253320	20	—	—
84128 2002 RF_{41}	14.7	X	49.15408	279.58984	113.33978	3.66873	0.0849105	0.18151352	3.0893235	20	—	—
84129 2002 RP_{41}	15.8	X	157.21217	119.61868	15.95869	6.35994	0.0720183	0.26975171	2.3722470	20	8 5.5	19.1
84130 2002 RF_{42}	14.4	X	6.62060	260.00053	124.39521	5.88917	0.1532812	0.17299923	3.1898721	20	12 9.9	18.3
84131 2002 RE_{43}	15.2	X	292.60237	41.45812	8.38570	9.03934	0.2267229	0.21849148	2.7301073	20	9 5.5	18.2
84132 2002 RH_{47}	16.6	X	36.29321	13.32713	34.52521	4.81819	0.1109123	0.29122700	2.2541439	20	—	—
84133 2002 RX_{48}	15.9	X	311.59271	231.26532	150.84633	8.65406	0.1759170	0.21795734	2.7345658	20	9 7.3	18.8
84134 2002 RN_{49}	15.6	X	240.45392	9.71171	21.90583	6.76533	0.0861121	0.26450145	2.4035362	20	6 19.6	19.0
84135 2002 RD_{51}	14.5	X	20.00559	294.02873	160.91460	13.12808	0.2484057	0.18014939	3.1048992	20	—	—
84136 2002 RK_{51}	15.2	X	271.85462	233.16213	141.79256	4.26967	0.1075939	0.21042619	2.7994294	20	7 2.9	18.9
84137 2002 RT_{51}	15.9	X	78.66360	20.49667	50.64766	4.52309	0.0906985	0.24404706	2.5360257	20	1 30.5	19.0
84138 2002 RT_{52}	15.3	X	251.66333	92.10689	350.46416	13.54748	0.1732465	0.21842389	2.7306705	20	8 29.5	19.1
84139 2002 RF_{54}	16.1	X	20.54662	28.32519	27.56678	5.73549	0.2791560	0.23119753	2.6291412	20	—	—
84140 2002 RE_{56}	15.2	X	355.11659	194.86622	194.65244	11.80829	0.1846209	0.22513501	2.6761310	20	12 17.9	18.3
84141 2002 RQ_{57}	15.7	X	350.92685	155.72356	246.77433	3.03717	0.1364574	0.28233519	2.3012265	20	—	—
84142 2002 RV_{58}	14.3	X	115.16153	232.70497	165.30314	8.47197	0.0994987	0.18913288	3.0057858	20	2 12.5	18.5
84143 2002 RM_{59}	15.7	X	323.10742	337.01958	15.91207	7.49706	0.1532133	0.27142763	2.3624721	20	9 1.6	17.7
84144 2002 RT_{59}	16.0	X	93.42963	295.61063	133.55628	5.81930	0.1682873	0.24465257	2.5318396	20	2 29.8	19.1
84145 2002 RJ_{62}	15.1	X	76.56187	186.86837	179.76202	15.26718	0.1911261	0.23328635	2.6134238	20	—	—
84146 2002 RW_{62}	15.5	X	246.75244	347.62755	40.66384	7.98467	0.2115274	0.26156232	2.4215081	20	6 6.4	19.2
84147 2002 RL_{64}	15.3	X	59.04682	327.54608	92.39663	2.82163	0.1442183	0.23459081	2.6037267	20	—	—
84148 2002 RB_{65}	15.9	X	214.49112	235.99714	109.45149	4.72103	0.2156137	0.30717711	2.1754218	20	3 14.7	19.4
84149 2002 RU_{65}	15.4	X	333.85787	282.73357	127.99048	5.75319	0.1635152	0.21999583	2.7176473	20	12 4.7	18.2
84150 2002 RJ_{68}	15.5	X	267.15243	129.93690	276.00819	6.00199	0.0947158	0.27166042	2.3611222	20	8 13.7	18.3
84151 2002 RB_{73}	16.9	X	220.79812	4.35144	330.38569	3.81089	0.1150943	0.31106011	2.1572799	20	3 5.9	19.8
84152 2002 RX_{78}	16.3	X	271.02252	159.01327	205.33944	0.89618	0.1890604	0.26587433	2.3952551	20	6 6.3	19.4
84153 2002 RU_{80}	15.7	X	349.45036	254.85368	172.28460	13.16731	0.1543937	0.22966637	2.6408138	20	—	—
84154 2002 RS_{81}	16.1	X	267.57305	177.25600	177.71591	1.14611	0.1869086	0.26395512	2.4068516	20	5 20.4	19.5
84155 2002 RW_{82}	16.0	X	306.17134	184.02018	177.11965	6.99680	0.1392700	0.27025213	2.3693177	20	8 5.6	18.4
84156 2002 RX_{82}	15.0	X	147.58517	137.85338	306.63329	1.90307	0.0879436	0.20138202	2.8826301	20	5 14.3	19.3
84157 2002 RQ_{83}	16.0	X	308.62499	183.93276	133.14979	1.63936	0.1217398	0.26510623	2.3998794	20	6 6.4	18.5
84158 2002 RM_{84}	14.2	X	70.47988	285.26178	185.62174	11.93064	0.1159987	0.19274827	2.9680808	20	3 19.3	18.1
84159 2002 RP_{84}	16.3	X	275.41303	185.84002	194.09736	1.66857	0.1722869	0.26719608	2.3873495	20	7 7.3	19.2
84160 2002 RV_{85}	15.0	X	250.25792	229.83401	170.58836	9.25720	0.1672030	0.20962381	2.8065684	20	6 30.9	19.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
84161 2002 RT_{86}	16.8	X	54.40079	210.00239	206.45972	2.92128	0.0949043	0.29361893	2.2418851	20	—	—
84162 2002 RC_{91}	15.6	X	75.83067	222.70260	176.19092	21.92211	0.1009251	0.23918143	2.5703035	20	—	—
84163 2002 RL_{93}	15.5	X	97.66437	76.73193	302.74263	7.16837	0.1905792	0.24031025	2.5622481	20	1 4.5	18.4
84164 2002 RW_{93}	15.9	X	19.80551	112.11341	327.70691	3.96994	0.1587275	0.23554414	2.5966964	20	—	—
84165 2002 RM_{94}	15.9	X	270.49621	304.13961	165.55547	6.32837	0.0564427	0.27969360	2.3156932	20	11 30.2	18.5
84166 2002 RP_{95}	16.7	X	113.87880	32.16989	344.14132	2.15447	0.1650023	0.29719482	2.2238657	20	1 7.4	19.0
84167 2002 RT_{95}	16.2	X	12.85229	353.43567	324.89796	1.25305	0.1762951	0.27505805	2.3416383	20	10 21.6	18.4
84168 2002 RU_{96}	16.0	X	133.43197	303.63034	8.06337	8.16789	0.0456370	0.29087863	2.2559433	20	—	—
84169 2002 RC_{100}	16.0	X	330.73031	37.89382	193.30639	23.36575	0.1007946	0.36434980	1.9414388	20	2 20.5	18.4
84170 2002 RD_{101}	15.6	X	308.02946	3.06839	24.58629	6.94593	0.1387097	0.27141128	2.3625669	20	9 25.2	17.7
84171 2002 RQ_{101}	16.0	X	108.83166	176.98153	195.34663	3.90176	0.1456935	0.29430978	2.2383754	20	—	—
84172 2002 RZ_{102}	15.5	X	85.67434	46.85326	1.54913	3.80032	0.2481512	0.23771361	2.5808733	20	2 4.7	18.3
84173 2002 RA_{103}	14.8	X	152.47146	69.35639	13.21222	9.12108	0.1145829	0.20023903	2.8935893	20	5 16.9	19.4
84174 2002 RV_{104}	15.6	X	30.61811	93.49027	312.16270	1.18353	0.1481455	0.22938941	2.6429390	20	—	—
84175 2002 RA_{105}	16.1	X	182.19241	175.94128	187.37821	4.00263	0.1227792	0.30378441	2.1915887	20	3 3.6	19.1
84176 2002 RD_{105}	15.3	X	145.32478	350.55471	6.35699	3.75298	0.1268017	0.24074123	2.5591893	20	1 25.8	18.9
84177 2002 RM_{105}	16.0	X	49.35702	162.59977	190.58538	5.44167	0.1550624	0.28297801	2.2977402	20	—	—
84178 2002 RO_{105}	14.8	X	101.65865	339.79487	69.88865	1.92669	0.2449463	0.18543200	3.0456472	20	3 3.8	19.1
84179 2002 RR_{105}	14.8	X	237.71768	249.50136	201.78710	13.56038	0.1354625	0.21059918	2.7978962	20	8 22.1	19.1
84180 2002 RT_{105}	15.7	X	23.69837	230.02804	184.37166	5.90157	0.1569053	0.28490611	2.2873618	20	—	—
84181 2002 RK_{106}	14.7	X	11.09142	311.43816	46.24719	10.24464	0.1331454	0.21984031	2.7189288	20	11 21.4	17.9
84182 2002 RM_{106}	15.1	X	103.89978	293.92162	59.94190	4.10739	0.1798427	0.23417404	2.6068150	20	—	—
84183 2002 RE_{107}	14.3	X	291.69489	12.38540	30.07717	8.38073	0.2190592	0.21121276	2.7924749	20	8 26.0	17.6
84184 2002 RF_{107}	14.8	X	63.63090	35.53480	34.83820	13.51928	0.1659713	0.23486641	2.6016894	20	1 18.0	17.8
84185 2002 RM_{107}	13.3	X	71.74469	355.35439	52.68751	16.54386	0.2120813	0.17723490	3.1388451	20	1 21.6	17.4
84186 2002 RQ_{107}	15.3	X	69.79338	23.98953	44.88581	9.05640	0.2069522	0.23718337	2.5847184	20	2 1.7	18.1
84187 2002 RR_{107}	15.5	X	77.18980	244.94420	178.62257	4.38727	0.2272805	0.23769748	2.5809900	20	2 5.8	18.2
84188 2002 RC_{108}	15.1	X	74.87198	149.66638	201.33603	4.32305	0.3312244	0.22996087	2.6385587	20	—	—
84189 2002 RG_{108}	15.2	X	77.94729	355.69648	36.63307	3.68503	0.1036419	0.23393386	2.6085990	20	—	—
84190 2002 RH_{109}	16.3	X	266.68392	271.31860	178.53756	6.47159	0.0659135	0.27886391	2.3202842	20	10 25.9	18.9
84191 2002 RT_{109}	15.9	X	280.24641	206.28222	294.73169	5.17417	0.1244550	0.28673166	2.2776428	20	—	—
84192 2002 RU_{113}	15.8	X	162.32021	279.02713	135.70666	2.78798	0.2205479	0.20000391	2.8958566	20	4 30.1	20.8
84193 2002 RO_{114}	16.5	X	47.33062	284.26864	128.29931	3.91702	0.1047684	0.29142269	2.2531346	20	—	—
84194 2002 RS_{116}	15.7	X	325.21066	35.85896	274.19074	6.61327	0.1270445	0.26531601	2.3986143	20	6 25.5	17.9
84195 2002 RX_{116}	15.8	X	296.33976	243.66808	297.38129	6.98607	0.0461003	0.29445159	2.2376566	20	—	—
84196 2002 RW_{117}	14.9	X	41.75511	121.96287	252.15267	11.40617	0.1618541	0.22810511	2.6528501	20	—	—
84197 2002 RB_{119}	14.8	X	263.35482	33.63265	14.81845	16.09756	0.1233797	0.21484250	2.7609333	20	8 11.4	18.8
84198 2002 RQ_{120}	16.5	X	256.47338	72.47166	315.47997	1.55858	0.2201348	0.26368917	2.4084697	20	6 16.5	19.9
84199 2002 RH_{122}	16.3	X	289.59424	222.91747	103.02856	7.77189	0.1463378	0.26409723	2.4059882	20	5 17.7	19.3
84200 Robertmoore	14.5	X	269.47955	25.31954	96.92147	7.96002	0.0826376	0.17148732	3.2085936	20	11 15.9	19.0
84201 2002 RB_{125}	15.6	X	53.55201	90.90738	304.62947	6.84432	0.1962082	0.23463553	2.6033958	20	—	—
84202 2002 RF_{127}	14.8	X	267.96850	274.83194	193.22483	21.64160	0.0932377	0.22755616	2.6571148	20	11 6.8	18.3
84203 2002 RD_{133}	16.1	X	151.08685	353.62428	14.26830	19.99387	0.0913032	0.35892537	1.9609504	20	2 2.6	18.8
84204 2002 RZ_{133}	15.5	X	136.27625	231.04752	142.15222	15.31363	0.2418573	0.24541859	2.5265685	20	2 16.4	19.4
84205 2002 RY_{134}	16.3	X	61.94330	11.78194	21.19229	6.50644	0.0727939	0.29370510	2.2414466	20	—	—
84206 2002 RE_{136}	15.9	X	303.61677	12.29799	42.33754	7.63188	0.1053191	0.27792977	2.3254803	20	10 30.9	17.9
84207 2002 RA_{138}	15.0	X	251.34088	333.13129	17.77267	12.30687	0.2690020	0.26096618	2.4251944	20	4 17.3	19.0
84208 2002 RA_{139}	15.6	X	93.97429	312.12844	110.64527	9.07224	0.1599599	0.24502800	2.5292528	20	2 21.9	18.7
84209 2002 RS_{139}	15.4	X	27.25000	262.99971	106.42504	12.34231	0.1925869	0.22825591	2.6516815	20	—	—
84210 2002 RZ_{139}	15.0	X	328.07861	254.35289	136.06735	16.05192	0.2020444	0.22096021	2.7097340	20	10 31.8	17.9
84211 2002 RV_{141}	16.0	X	221.06657	140.06508	255.96556	4.18644	0.1128208	0.26198849	2.4188814	20	5 30.5	19.6
84212 2002 RG_{149}	15.6	X	249.34673	186.35278	326.73464	23.19930	0.1357438	0.28715963	2.2753792	20	12 21.4	18.6
84213 2002 RQ_{153}	16.0	X	153.75684	166.29901	349.75785	13.18922	0.1501607	0.27044616	2.3681843	20	8 29.7	19.6
84214 2002 RY_{167}	15.1	X	126.57013	294.66908	170.05517	6.28060	0.2397694	0.19924751	2.9031810	20	5 31.9	19.9
84215 2002 RP_{177}	14.2	X	137.71653	274.30784	342.88462	14.00656	0.0532975	0.17377462	3.1803761	20	11 26.4	19.3
84216 2002 RH_{179}	16.4	X	31.49865	71.69533	352.99229	4.47690	0.1336803	0.23531324	2.5983948	20	—	—
84217 2002 RW_{179}	15.2	X	173.26316	235.16322	179.17917	3.12577	0.1468818	0.19991516	2.8967136	20	5 6.6	19.9
84218 2002 RD_{180}	16.4	X	239.50013	33.16010	13.40698	3.51415	0.1208328	0.26473566	2.4021185	20	7 5.5	19.7
84219 2002 RP_{186}	15.0	X	202.18607	163.20392	306.24195	10.57889	0.0687348	0.21353191	2.7722189	20	8 14.5	19.1
84220 2002 RY_{187}	14.9	X	5.44061	352.68750	88.46570	2.22429	0.1612803	0.17934232	3.1142074	20	—	—
84221 2002 RN_{201}	15.6	X	78.54430	291.71291	129.59934	2.68849	0.2275821	0.24322117	2.5417634	20	2 5.2	18.2
84222 2002 RR_{220}	14.9	X	336.06925	323.79198	107.75537	12.94805	0.1509438	0.22425189	2.6831522	20	—	—
84223 2002 RL_{223}	15.5	X	308.58961	310.62843	149.25731	13.42417	0.0954470	0.22872036	2.6480905	20	12 27.8	18.7
84224 Kyte	16.5	X	303.01789	340.10197	141.14861	5.96650	0.0882045	0.28881937	2.2666537	20	—	—
84225 Verish	16.5	X	207.37963	103.01816	7.88969	4.56758	0.1457208	0.27101563	2.3648657	20	8 24.0	19.9
84226 2002 SQ_{4}	16.1	X	239.09699	279.81641	173.11836	6.59458	0.0701563	0.27187243	2.3598946	20	9 16.2	19.1
84227 2002 SJ_{5}	16.7	X	296.43162	231.47180	158.53705	2.36077	0.2030982	0.27099246	2.3650005	20	8 23.9	18.7
84228 2002 SL_{12}	17.0	X	43.95199	290.59019	137.75839	1.49331	0.1851406	0.29197269	2.2503042	20	—	—
84229 2002 SH_{15}	15.4	X	118.85642	244.82360	259.34064	14.26405	0.0448703	0.26147098	2.4220720	20	6 24.3	18.5
84230 2002 SV_{16}	15.2	X	9.54659	46.99351	23.85739	0.92003	0.1731400	0.17596462	3.1539332	20	—	—
84231 2002 SC_{17}	15.2	X	47.20886	243.53100	129.82543	13.50605	0.3203489	0.23045579	2.6347796	20	—	—
84232 2002 SC_{20}	15.0	X	26.30927	274.83201	174.50859	5.67826	0.1629272	0.18183158	3.0857199	20	—	—
84233 2002 SO_{23}	16.4	X	264.81276	73.88767	32.58653	6.62545	0.0852584	0.27758237	2.3274202	20	11 10.2	18.8
84234 2002 SR_{24}	15.5	X	294.38112	315.14044	109.48279	2.98849	0.1116400	0.21958391	2.7210449	20	10 15.2	18.7
84235 2002 SP_{25}	15.3	X	40.24531	353.41583	49.87037	6.29953	0.2348909	0.23264799	2.6182022	20	—	—
84236 2002 SP_{27}	16.0	X	173.87779	232.20226	121.98690	5.54855	0.1306383	0.24751397	2.5122889	20	2 20.2	19.9
84237 2002 SZ_{29}	16.6	X	266.78780	223.85967	14.54305	7.31556	0.0067046	0.30152278	2.2025341	20	—	—
84238 2002 SK_{30}	15.7	X	303.60443	273.81746	82.24753	6.93108	0.1475301	0.26889014	2.3773117	20	7 25.2	18.0
84239 2002 SL_{32}	14.8	X	91.12125	23.64098	44.46981	14.08973	0.0896244	0.18964324	3.0003906	20	2 26.9	19.1
84240 2002 SL_{33}	16.0	X	88.05489	123.55781	218.76236	2.55975	0.1510297	0.28895474	2.2659457	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
84241 2002 SS_{33}	14.8	X	326.97919	164.65467	223.51536	4.20320	0.1647028	0.21938554	2.7226849	20	10 17.5	17.6
84242 2002 ST_{34}	16.6	X	73.07339	348.44700	44.17500	3.33571	0.1773904	0.23770360	2.5809457	20	—	—
84243 2002 SK_{35}	16.3	X	32.43302	40.19673	51.48337	5.44838	0.1894424	0.23668195	2.5883676	20	—	—
84244 2002 ST_{35}	16.2	X	7.65042	250.09971	182.67195	5.95562	0.0630123	0.28796396	2.2711403	20	—	—
84245 2002 SV_{35}	16.2	X	74.19460	200.28886	194.38241	3.86110	0.1433409	0.29265553	2.2468025	20	—	—
84246 2002 SJ_{36}	16.2	X	261.08464	20.03840	55.87998	5.56646	0.1288298	0.27094120	2.3652988	20	9 17.0	19.0
84247 2002 SL_{36}	16.2	X	99.16694	252.88528	131.88960	3.22519	0.1884932	0.23951419	2.5679224	20	1 12.8	19.1
84248 2002 SN_{36}	15.5	X	255.24600	358.26819	44.96353	6.27688	0.0841419	0.26594709	2.3948182	20	7 29.0	18.6
84249 2002 SR_{36}	15.8	X	226.62583	150.62497	67.91373	2.94954	0.0117162	0.23352016	2.6116790	20	—	—
84250 2002 SX_{36}	15.4	X	313.59845	50.48917	17.96394	8.21054	0.1765822	0.22161919	2.7043598	20	11 16.2	18.2
84251 2002 SG_{37}	15.5	X	308.94734	342.07087	117.33959	3.04948	0.1766780	0.22477017	2.6790260	20	12 24.7	18.1
84252 2002 SL_{41}	14.9	X	250.12332	18.01034	28.99920	16.66072	0.1756698	0.20935295	2.8089887	20	7 11.1	19.4
84253 2002 SG_{42}	16.7	X	24.08764	158.88468	5.56075	4.18003	0.0516456	0.30550045	2.1833741	20	3 1.8	18.9
84254 2002 SH_{42}	14.9	X	36.34493	29.34047	115.58415	0.44950	0.1623087	0.19058637	2.9904840	20	3 15.8	18.1
84255 2002 SF_{45}	16.0	X	306.41134	249.54452	170.37707	2.77345	0.1710574	0.21963474	2.7206250	20	10 23.1	18.7
84256 2002 SO_{45}	16.3	X	338.43620	33.97018	19.85777	4.55650	0.1072613	0.28008230	2.3135503	20	—	—
84257 2002 SU_{45}	16.4	X	73.37471	228.97516	192.27639	5.75598	0.0613374	0.29592867	2.2302045	20	—	—
84258 2002 SW_{45}	15.0	X	200.72585	359.72334	43.18773	2.76782	0.0983832	0.20106887	2.8856223	20	5 18.6	19.5
84259 2002 ST_{46}	14.7	X	69.75590	219.58488	208.89151	9.72199	0.0874314	0.18266651	3.0763100	20	1 20.8	19.0
84260 2002 SP_{50}	15.7	X	106.05216	183.10644	158.33628	3.29996	0.1365039	0.23468168	2.6030545	20	—	—
84261 2002 SD_{51}	14.3	X	298.20097	9.36875	40.99756	32.51978	0.1636596	0.21591771	2.7517599	20	10 10.5	17.9
84262 2002 SN_{54}	16.0	X	272.58510	125.88501	268.71157	4.09139	0.1463567	0.26977251	2.3721251	20	7 28.5	18.9
84263 2002 TZ_{4}	16.1	X	341.92217	219.62007	104.69969	3.60658	0.1010408	0.26880375	2.3778210	20	8 24.2	18.3
84264 2002 TG_{5}	14.6	X	100.79358	259.51873	181.92366	10.81823	0.1045727	0.19048355	2.9915601	20	3 21.0	18.9
84265 2002 TO_{5}	16.2	X	28.91274	259.78494	164.07249	3.33439	0.0289529	0.29068810	2.2569289	20	—	—
84266 2002 TS_{5}	16.5	X	214.42263	232.86718	173.20485	3.08760	0.1650544	0.25979405	2.4324836	20	6 2.7	20.2
84267 2002 TF_{6}	15.1	X	261.17278	33.62532	46.36412	13.02742	0.1227520	0.21482897	2.7610492	20	9 19.2	19.0
84268 2002 TU_{7}	15.9	X	191.36995	171.22613	2.37893	2.72913	0.1726823	0.27742211	2.3283164	20	10 24.8	19.4
84269 2002 TY_{7}	14.7	X	10.86787	90.19056	9.53595	10.66307	0.0770817	0.18170239	3.0871823	20	—	—
84270 2002 TT_{8}	14.8	X	135.14145	224.33028	198.13669	11.32573	0.1271307	0.19309378	2.9645392	20	4 7.9	19.3
84271 2002 TU_{8}	14.9	X	12.89025	261.65605	181.91565	3.90113	0.2461073	0.17537708	3.1609733	20	—	—
84272 2002 TH_{10}	15.1	X	21.29775	148.25896	218.93394	3.63159	0.1587193	0.22536707	2.6742936	20	12 24.8	18.5
84273 2002 TF_{11}	16.3	X	332.78256	175.37378	242.71758	1.86265	0.1058828	0.22711452	2.6605583	20	12 10.8	19.2
84274 2002 TY_{13}	16.4	X	18.92548	351.56327	104.04953	2.79108	0.1049015	0.29162856	2.2520741	20	—	—
84275 2002 TF_{14}	14.5	X	40.97640	103.07145	340.38089	22.04583	0.1017129	0.17990249	3.1077394	20	1 7.2	18.8
84276 2002 TX_{16}	15.7	X	93.28330	182.74748	194.33931	11.54706	0.0640514	0.23906936	2.5711067	20	—	—
84277 2002 TZ_{16}	16.2	X	343.83658	254.85403	173.26109	8.17245	0.1406181	0.22831358	2.6512350	20	—	—
84278 2002 TR_{20}	15.0	X	87.25580	28.49927	42.69254	10.56337	0.1010730	0.18833279	3.0142927	20	2 25.4	19.2
84279 2002 TS_{20}	16.2	X	161.93199	22.34055	184.87410	4.98055	0.0725981	0.27911991	2.3188652	20	11 15.5	19.4
84280 2002 TZ_{20}	15.1	X	103.68096	336.57833	67.11912	4.38621	0.0907883	0.18724530	3.0259525	20	2 7.4	19.3
84281 2002 TS_{22}	16.7	X	99.77411	165.75002	241.94662	1.35876	0.1640530	0.24227623	2.5483682	20	2 8.0	19.9
84282 2002 TV_{23}	16.0	X	169.01213	66.04563	35.39053	4.63942	0.0045106	0.26235883	2.4166046	20	6 30.2	19.0
84283 2002 TN_{24}	16.3	X	301.07695	345.50972	342.14826	1.76600	0.1976667	0.26471069	2.4022695	20	5 26.5	18.9
84284 2002 TQ_{26}	15.5	X	97.98947	313.08386	72.85267	5.47673	0.0949400	0.23862696	2.5742835	20	—	—
84285 2002 TB_{27}	15.2	X	151.44104	180.89340	235.47366	1.01722	0.1197906	0.19526443	2.9425282	20	4 16.1	19.7
84286 2002 TH_{27}	15.2	X	275.38024	61.83249	16.22739	11.31776	0.2001327	0.21615804	2.7497199	20	9 20.5	18.5
84287 2002 TQ_{28}	14.7	X	246.63759	359.51624	29.29713	15.93855	0.1375098	0.20636824	2.8360082	20	6 13.5	19.2
84288 2002 TF_{29}	15.8	X	300.62812	329.78033	45.70004	3.35196	0.1708930	0.26914442	2.3758141	20	8 16.3	18.0
84289 2002 TK_{29}	14.7	X	82.79271	19.71369	35.30977	10.19668	0.0876507	0.18445347	3.0564092	20	1 27.4	18.9
84290 2002 TA_{30}	15.1	X	359.06743	322.64442	49.29608	9.31375	0.1010263	0.22117732	2.7079605	20	11 18.4	18.2
84291 2002 TC_{32}	16.4	X	327.48589	282.89351	14.99453	1.64181	0.1898474	0.26374593	2.4081241	20	6 1.7	18.3
84292 2002 TO_{32}	15.8	X	236.04927	161.08923	35.34537	4.21685	0.0935671	0.28569500	2.2831492	20	—	—
84293 2002 TR_{32}	16.5	X	229.02995	247.00922	177.09633	1.37811	0.1892121	0.26257788	2.4152604	20	7 8.8	20.2
84294 2002 TJ_{33}	15.9	X	273.87953	44.16415	348.35319	2.82697	0.0977119	0.21273795	2.7791121	20	8 1.2	19.4
84295 2002 TX_{33}	16.2	X	113.86087	296.26965	4.97407	3.58050	0.0603907	0.28698450	2.2763049	20	—	—
84296 2002 TM_{36}	15.6	X	17.99731	314.90539	152.56016	5.57180	0.1715792	0.23543503	2.5974986	20	—	—
84297 2002 TW_{36}	14.9	X	0.47805	264.82462	180.96465	5.43096	0.1660368	0.17468118	3.1693629	20	—	—
84298 2002 TB_{38}	14.7	X	299.73695	238.52065	175.54074	5.41927	0.0648192	0.21610861	2.7501391	20	10 12.7	18.1
84299 2002 TS_{38}	15.0	X	82.94535	194.41769	271.06070	1.96948	0.0819107	0.18971699	2.9996131	20	3 24.3	19.0
84300 2002 TT_{38}	14.7	X	17.68717	116.91786	235.76038	5.42879	0.0331923	0.21985297	2.7188244	20	11 11.9	18.2
84301 2002 TA_{39}	16.2	X	246.60918	61.09751	31.43131	5.72127	0.1525880	0.26868331	2.3785316	20	9 14.8	19.2
84302 2002 TB_{39}	15.7	X	347.96917	60.54158	32.77617	4.03922	0.2119125	0.22766098	2.6562991	20	—	—
84303 2002 TX_{39}	15.6	X	233.87564	15.53421	44.71890	6.91306	0.1166046	0.26072291	2.4267027	20	7 19.0	19.1
84304 2002 TB_{40}	14.3	X	55.37402	259.02667	196.05849	9.90979	0.1051317	0.18432660	3.0578114	20	2 3.8	18.3
84305 2002 TH_{40}	14.6	X	189.23452	82.22995	227.68408	11.65984	0.1460610	0.23913419	2.5706420	20	1 10.3	18.9
84306 2002 TT_{40}	14.7	X	123.77540	280.90441	116.42305	3.10387	0.1011893	0.18753880	3.0227945	20	2 23.7	19.0
84307 2002 TU_{40}	15.7	X	241.80257	139.11415	56.96230	7.19968	0.0971731	0.28577112	2.2827437	20	—	—
84308 2002 TV_{40}	15.8	X	6.46394	198.29113	175.97249	6.97399	0.1201054	0.27846962	2.3224738	20	12 22.8	18.5
84309 2002 TW_{40}	15.3	X	130.42724	269.61423	56.42578	10.18187	0.1190169	0.23522113	2.5990731	20	—	—
84310 2002 TD_{41}	14.5	X	11.86181	27.32669	41.91443	13.25195	0.2519647	0.22687063	2.6624647	20	—	—
84311 2002 TE_{41}	15.3	X	208.26999	192.01974	240.16230	5.83693	0.1256452	0.25764873	2.4459677	20	7 2.5	18.9
84312 2002 TH_{41}	15.2	X	328.40046	274.03152	179.06089	9.50939	0.2150883	0.22490605	2.6779469	20	—	—
84313 2002 TP_{41}	15.2	X	31.13069	278.57376	94.34207	4.57168	0.1118760	0.22559286	2.6725088	20	—	—
84314 2002 TQ_{41}	16.3	X	107.24483	245.20828	134.02168	3.38876	0.1344192	0.29439457	2.2379456	20	—	—
84315 2002 TU_{41}	15.0	X	301.92081	51.84587	52.33424	14.72019	0.2357686	0.22169163	2.7037707	20	12 9.4	17.4
84316 2002 TP_{43}	15.1	X	73.90512	76.26896	16.08054	1.23914	0.1326286	0.18648063	3.0342188	20	3 4.6	18.9
84317 2002 TZ_{44}	15.5	X	186.10479	278.38039	70.83930	2.79339	0.1235982	0.24737928	2.5132007	20	2 26.0	19.3
84318 2002 TN_{45}	16.6	X	34.62018	101.41945	219.91299	3.00339	0.1471564	0.27639295	2.3340925	20	11 24.1	19.4
84319 2002 TX_{45}	15.3	X	227.17346	353.09214	24.48357	1.97190	0.0708239	0.20059975	2.8901194	20	5 17.1	19.5
84320 2002 TU_{46}	16.0	X	258.73140	2.24000	57.78376	2.66727	0.1721548	0.26657289	2.3910688	20	8 11.8	18.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
84321 2002 TB_{47}	16.1	X	240.16896	16.64705	44.83972	7.92915	0.0858774	0.26429412	2.4047931	20	8 3.9	19.3
84322 2002 TZ_{47}	15.4	X	12.20899	236.10758	126.67029	2.07125	0.1023451	0.22125507	2.7073261	20	11 27.3	18.6
84323 2002 TA_{48}	15.3	X	121.79853	184.31389	49.81735	6.81066	0.2242208	0.27423082	2.3463450	20	11 7.3	19.0
84324 2002 TE_{48}	14.5	X	20.91613	250.29280	191.70922	4.95552	0.1608449	0.17604416	3.1529830	20	—	—
84325 2002 TC_{49}	14.1	X	195.04124	230.18320	35.41314	16.81597	0.0507063	0.17744669	3.1363471	20	—	—
84326 2002 TZ_{49}	14.5	X	152.57093	177.12075	210.42072	10.08111	0.0954688	0.18992382	2.9974349	20	3 9.4	19.2
84327 2002 TT_{50}	15.5	X	316.31248	43.26704	33.44401	8.67585	0.1786580	0.22070492	2.7118232	20	12 4.2	18.2
84328 2002 TM_{51}	15.4	X	250.95086	311.15675	79.82283	7.44275	0.1420123	0.26057785	2.4276033	20	6 24.5	18.6
84329 2002 TU_{51}	15.2	X	62.78668	137.92923	264.29361	1.80444	0.2216165	0.23330389	2.6132927	20	—	—
84330 2002 TA_{52}	16.2	X	18.42181	169.71507	206.65453	4.47392	0.1499143	0.27925498	2.3181174	20	—	—
84331 2002 TB_{53}	15.7	X	60.45610	16.29577	40.72335	5.74249	0.1221585	0.23379098	2.6096617	20	—	—
84332 2002 TC_{53}	14.9	X	255.16641	80.41517	47.60595	13.61552	0.1105250	0.21720001	2.7409187	20	11 8.2	18.3
84333 2002 TF_{53}	14.7	X	333.80216	224.95401	169.69652	4.83579	0.1568796	0.21730153	2.7400650	20	11 11.1	17.5
84334 2002 TP_{53}	14.1	X	77.40195	19.57196	56.81492	16.82233	0.1474214	0.18243252	3.0789399	20	2 29.9	18.5
84335 2002 TR_{53}	15.6	X	133.48352	213.67162	184.77272	2.67500	0.1047885	0.24298583	2.5434044	20	2 29.2	19.2
84336 2002 TT_{53}	15.2	X	65.72629	330.31652	81.02892	3.58674	0.1567992	0.23384688	2.6092458	20	—	—
84337 2002 TB_{54}	16.0	X	60.16087	336.09754	48.11097	4.39806	0.1561565	0.28568800	2.2831865	20	—	—
84338 2002 TO_{57}	16.0	X	118.57111	100.61341	209.89870	7.26186	0.1572924	0.28728037	2.2747417	20	—	—
84339 Francescaballi	15.3	X	262.46623	225.96579	241.24321	9.98681	0.2024820	0.22249901	2.6972259	20	10 5.3	19.0
84340 Jos	16.4	X	160.57785	339.64279	147.92579	2.65564	0.0839215	0.26805426	2.3822513	20	7 26.5	19.8
84341 2002 TG_{64}	15.3	X	81.47920	79.20762	305.60603	6.31536	0.1514501	0.23737220	2.5833474	20	—	—
84342 2002 TP_{64}	16.5	X	103.57437	179.92873	212.92816	6.31873	0.1361163	0.29517180	2.2340153	20	1 9.2	19.0
84343 2002 TF_{65}	16.5	X	228.12264	57.03559	308.15887	6.04336	0.1193877	0.25868208	2.4394494	20	4 23.9	20.2
84344 2002 TM_{65}	14.5	X	54.09497	132.81549	299.07571	9.73322	0.2169522	0.17796830	3.1302158	20	1 19.5	17.9
84345 2002 TO_{71}	15.2	X	265.47727	122.51635	336.73135	8.87472	0.1564345	0.21861033	2.7291177	20	10 5.4	18.9
84346 2002 TQ_{71}	15.7	X	316.07917	79.47305	352.50251	11.10167	0.1865030	0.22253607	2.6969265	20	11 25.4	18.6
84347 2002 TC_{72}	15.5	X	71.21783	41.63696	260.13290	6.07872	0.1470455	0.28065976	2.3103758	20	12 11.8	18.7
84348 2002 TQ_{72}	15.6	X	49.79234	143.91958	313.91842	4.09790	0.1249319	0.24079000	2.5588436	20	1 23.0	18.0
84349 2002 TF_{76}	15.8	X	273.68678	181.34300	222.92210	6.25247	0.0779100	0.26915535	2.3757498	20	8 23.1	18.7
84350 2002 TA_{77}	15.3	X	272.40581	182.85887	256.70165	3.47423	0.1501405	0.21693048	2.7431886	20	9 21.4	18.8
84351 2002 TE_{77}	16.5	X	261.62117	120.81821	309.53947	2.30449	0.0628837	0.27087722	2.3656713	20	9 16.4	19.4
84352 2002 TW_{78}	15.5	X	49.12794	5.13659	63.15330	9.92726	0.0527401	0.23687566	2.5869563	20	—	—
84353 2002 TU_{79}	15.7	X	2.05036	231.27806	114.71642	5.97889	0.1762043	0.27487449	2.3426807	20	11 15.4	18.0
84354 2002 TE_{80}	15.0	X	56.77153	345.32988	64.82845	14.28830	0.1557045	0.23435525	2.6054711	20	—	—
84355 2002 TY_{80}	15.7	X	55.52273	230.32758	138.82841	7.01365	0.1362473	0.28489472	2.2874228	20	—	—
84356 2002 TG_{82}	15.8	X	74.14051	223.55204	236.24045	6.41770	0.0895076	0.24641099	2.5197802	20	2 26.1	18.9
84357 2002 TH_{82}	15.6	X	298.71224	118.57142	242.60077	5.57396	0.1349703	0.26777377	2.3839146	20	7 22.8	18.1
84358 2002 TC_{83}	15.7	X	24.05005	315.30352	22.50327	9.93627	0.2245120	0.28062808	2.3105496	20	12 13.8	18.7
84359 2002 TQ_{83}	15.7	X	222.35660	267.79091	108.33143	5.48310	0.1791660	0.25941461	2.4348550	20	5 3.3	19.5
84360 2002 TW_{83}	14.9	X	353.02204	348.52498	45.22245	13.41052	0.1379937	0.22468297	2.6797191	20	12 12.0	18.1
84361 2002 TE_{84}	16.0	X	9.42433	323.02625	56.05790	7.23540	0.1215687	0.28124198	2.3071861	20	—	—
84362 2002 TQ_{90}	15.5	X	317.97789	87.46347	319.03848	5.38491	0.0743998	0.21983249	2.7189933	20	10 27.0	19.0
84363 2002 TO_{95}	15.3	X	311.66815	112.77966	315.44801	10.63792	0.1981725	0.22197790	2.7014455	20	11 8.3	18.1
84364 2002 TN_{97}	15.3	X	320.48337	14.60430	81.21363	15.05495	0.2180593	0.22515205	2.6759959	20	—	—
84365 2002 TC_{112}	14.2	X	236.43687	78.91022	3.82290	18.03946	0.1130726	0.16054160	3.3528258	20	8 19.4	19.4
84366 2002 TD_{112}	15.9	X	283.33955	36.69191	29.40964	7.37502	0.1030946	0.27642271	2.3339250	20	10 11.9	18.2
84367 2002 TL_{114}	13.8	X	306.66033	292.03620	233.29944	13.64973	0.2124799	0.18076347	3.0978635	20	—	—
84368 2002 TE_{116}	15.4	X	123.62009	143.56202	229.97566	13.84190	0.1282983	0.24238068	2.5476360	20	1 16.8	19.1
84369 2002 TU_{120}	14.8	X	358.99801	184.15748	351.21345	11.09767	0.0849120	0.18994160	2.9972479	20	2 23.4	18.5
84370 2002 TW_{121}	13.9	X	353.05579	262.15721	224.06719	21.37028	0.2087665	0.17822843	3.1271693	20	—	—
84371 2002 TY_{128}	15.6	X	59.79361	2.76331	316.98222	7.04476	0.1534121	0.28258125	2.2998905	20	12 24.1	18.9
84372 2002 TK_{129}	16.2	X	172.46550	2.72394	270.62599	5.09791	0.1297347	0.29304573	2.2448075	20	—	—
84373 2002 TR_{129}	15.5	X	80.20194	255.11432	267.79022	6.04899	0.0713058	0.25869350	2.4393776	20	6 1.9	18.4
84374 2002 TB_{132}	15.5	X	358.40484	263.26165	216.82422	12.75050	0.1065148	0.23773363	2.5807284	20	—	—
84375 2002 TL_{135}	14.4	X	35.38242	275.07965	159.16769	11.13053	0.0820041	0.17940149	3.1135226	20	—	—
84376 2002 TO_{135}	15.8	X	91.94620	20.59130	68.80328	11.61207	0.1922543	0.24469091	2.5315752	20	4 3.8	19.2
84377 2002 TF_{136}	14.9	X	256.47267	216.30381	254.75667	11.80155	0.1206995	0.21829375	2.7317556	20	10 13.3	18.7
84378 2002 TX_{137}	16.1	X	0.09959	17.39147	334.80795	7.08066	0.1327267	0.27429307	2.3459900	20	11 8.7	18.6
84379 2002 TB_{138}	15.2	X	110.91518	93.71801	315.05353	6.86197	0.1559265	0.24220118	2.5488946	20	2 21.9	18.5
84380 2002 TJ_{138}	15.4	X	107.58901	162.74866	262.13407	9.32587	0.1518731	0.24400402	2.5363240	20	3 4.9	19.0
84381 2002 TJ_{139}	14.1	X	20.80506	57.55807	355.14875	12.83131	0.2022910	0.17364963	3.1819020	20	—	—
84382 2002 TY_{139}	14.9	X	201.08020	209.49798	282.09205	6.69482	0.1697396	0.21054141	2.7984080	20	9 1.2	19.5
84383 2002 TX_{142}	16.1	X	301.46458	14.78520	59.05247	7.16809	0.1081381	0.27744312	2.3281989	20	11 24.1	18.3
84384 2002 TK_{143}	14.9	X	257.03398	276.16470	151.31672	8.10267	0.2102201	0.21194493	2.7860401	20	8 7.2	19.0
84385 2002 TB_{144}	15.1	X	96.05335	293.84310	136.12379	5.47168	0.2391158	0.24198296	2.5504268	20	3 17.2	18.4
84386 2002 TD_{144}	16.5	X	129.30120	182.63594	139.01312	5.61009	0.1985121	0.29180664	2.2511578	20	—	—
84387 2002 TA_{158}	14.4	X	32.35267	14.00509	92.13360	18.86446	0.1860838	0.18161579	3.0881637	20	1 19.9	17.8
84388 2002 TD_{158}	14.4	X	353.80209	305.70527	104.85508	11.89507	0.0798782	0.17081204	3.2170445	20	12 15.4	18.7
84389 2002 TO_{160}	14.7	X	51.04115	233.29491	144.57446	15.70438	0.1376179	0.23048649	2.6345456	20	—	—
84390 2002 TK_{161}	15.5	X	44.18104	331.67823	120.98448	13.02302	0.1364846	0.23835112	2.5762692	20	1 6.4	18.1
84391 2002 TS_{161}	14.9	X	12.87869	299.96661	103.52849	14.54800	0.1667425	0.22750665	2.6575003	20	—	—
84392 2002 TV_{161}	15.9	X	193.34414	33.99820	142.22799	13.54011	0.0756790	0.27564278	2.3383255	20	11 14.4	19.3
84393 2002 TO_{162}	15.1	X	22.57115	197.32985	140.12331	13.01246	0.1808233	0.22128602	2.7070736	20	11 24.3	18.7
84394 2002 TD_{174}	16.1	X	123.25854	208.50556	102.93971	7.14991	0.1257074	0.29087423	2.2559660	20	—	—
84395 2002 TL_{176}	16.0	X	312.42409	205.17262	110.60241	7.30170	0.1413455	0.26577925	2.3958264	20	6 8.7	18.6
84396 2002 TM_{176}	15.1	X	5.75986	285.75785	101.54602	9.07689	0.1824822	0.22634806	2.6665611	20	—	—
84397 2002 TP_{178}	14.6	X	165.52310	124.11349	250.71586	9.21751	0.0803091	0.19130908	2.9829479	20	3 4.7	19.3
84398 2002 TC_{179}	14.3	X	8.18087	182.21586	280.85986	13.69938	0.1315192	0.17701818	3.1414065	20	—	—
84399 2002 TV_{179}	15.0	X	120.76313	63.92021	354.63876	11.43403	0.2125116	0.18932837	3.0037163	20	3 26.9	19.7
84400 2002 TX_{179}	14.5	X	8.92329	183.44636	278.67112	14.17315	0.0672013	0.23347007	2.6120525	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
84401 2002 TZ_{179}	14.3	X	257.48190	62.95775	357.57118	17.11088	0.1594244	0.20916595	2.8106626	20	8 13.1	18.4
84402 2002 TD_{180}	14.8	X	186.63869	135.73079	294.60500	11.12423	0.1481830	0.25548973	2.4597280	20	6 7.1	18.8
84403 2002 TA_{181}	14.6	X	99.09247	138.44872	326.35810	10.08606	0.1652348	0.19058639	2.9904838	20	4 20.8	19.2
84404 2002 TB_{181}	13.2	X	133.48327	275.64986	25.49539	22.27089	0.1062332	0.17208155	3.2012027	20	—	—
84405 2002 TD_{181}	14.9	X	152.07376	46.26561	315.89944	11.65303	0.2984288	0.24219947	2.5489066	20	2 19.2	19.4
84406 2002 TK_{181}	17.0	X	181.61984	138.60841	272.24777	1.20639	0.1574243	0.25649716	2.4532831	20	5 7.8	20.9
84407 2002 TU_{181}	14.7	X	125.60066	248.50928	165.84270	1.27608	0.2015705	0.18916804	3.0054134	20	3 27.3	19.4
84408 2002 TV_{181}	15.4	X	343.58827	254.55091	211.17230	10.33452	0.1459959	0.22912516	2.6449707	20	—	—
84409 2002 TN_{183}	16.3	X	283.38526	156.20364	269.67502	2.71458	0.0737246	0.27546932	2.3393070	20	10 12.8	18.8
84410 2002 TA_{187}	14.2	X	355.84626	264.34752	209.52253	15.30316	0.2132251	0.17907805	3.1172704	20	—	—
84411 2002 TC_{187}	16.1	X	97.42875	61.42371	324.42557	4.83223	0.2001719	0.23998595	2.5645559	20	1 14.3	19.1
84412 2002 TR_{188}	15.2	X	116.44350	296.25966	2.68033	6.18215	0.1072343	0.28416944	2.2913133	20	—	—
84413 2002 TU_{191}	14.9	X	48.87951	95.14822	288.62621	10.77798	0.1872825	0.23078700	2.6322582	20	—	—
84414 2002 TG_{195}	15.0	X	172.86863	109.62167	33.29595	7.72555	0.1436667	0.20938432	2.8087082	20	8 27.6	19.6
84415 2002 TL_{195}	15.3	X	235.40053	238.84515	161.18544	2.08977	0.0432888	0.20477885	2.8506636	20	6 28.5	19.4
84416 2002 TU_{195}	15.0	X	188.18712	229.84740	51.52153	12.93553	0.1455787	0.23594524	2.5937527	20	—	—
84417 Ritabo	14.7	X	358.55077	58.17160	326.30727	11.28769	0.1705080	0.22253148	2.6969635	20	12 13.9	17.9
84418 2002 TX_{206}	14.6	X	80.94242	211.16614	243.53569	5.38228	0.0838805	0.18893663	3.0078668	20	3 6.9	18.7
84419 2002 TE_{207}	15.7	X	153.49836	174.88747	9.25274	6.19968	0.0781549	0.27076155	2.3663449	20	10 3.5	19.0
84420 2002 TL_{207}	15.3	X	10.00639	97.40143	328.18490	3.83345	0.1709275	0.17334983	3.1855697	20	—	—
84421 2002 TT_{207}	16.4	X	349.47601	112.86844	346.39919	3.18930	0.0815054	0.28691560	2.2766692	20	—	—
84422 2002 TN_{209}	16.0	X	35.66181	60.41555	35.58479	11.44209	0.2297235	0.23890557	2.5722817	20	—	—
84423 2002 TQ_{209}	14.3	X	310.51803	224.04775	137.38534	9.41293	0.2901615	0.21431451	2.7654660	20	7 15.6	17.1
84424 2002 TB_{210}	14.4	X	356.93385	236.97795	234.67925	4.45983	0.1122905	0.17782046	3.1319506	20	—	—
84425 2002 TU_{215}	15.3	X	45.44427	300.58174	67.12266	15.48508	0.1427326	0.22928003	2.6437795	20	—	—
84426 2002 TP_{218}	15.7	X	293.53578	70.11338	250.49574	6.24571	0.1241673	0.26308104	2.4121798	20	5 16.9	18.5
84427 2002 TQ_{222}	15.9	X	5.31447	196.39903	180.79356	2.42278	0.1123931	0.22347111	2.6893983	20	12 7.8	19.0
84428 2002 TJ_{223}	16.3	X	258.86391	2.81594	52.41728	5.67338	0.1261136	0.26550556	2.3974725	20	8 14.1	19.3
84429 2002 TW_{223}	16.6	X	14.67820	289.35834	77.09096	1.89010	0.1673412	0.27848708	2.3223768	20	12 31.7	19.2
84430 2002 TL_{224}	15.5	X	111.49764	144.82320	24.72939	14.26041	0.0858391	0.26148789	2.4219676	20	7 31.7	19.2
84431 2002 TD_{225}	15.6	X	141.67288	172.07525	237.38163	1.88426	0.1077753	0.19270781	2.9684963	20	3 27.3	20.1
84432 2002 TR_{226}	15.0	X	157.53033	216.40012	179.40310	8.86148	0.0995464	0.19174153	2.9784610	20	3 27.8	19.5
84433 2002 TY_{226}	16.1	X	6.96649	35.56473	52.59194	14.96699	0.2382099	0.22976959	2.6400228	20	—	—
84434 2002 TD_{227}	16.2	X	82.52531	295.00799	165.88191	4.25018	0.1902130	0.24372982	2.5382259	20	3 31.5	19.3
84435 2002 TH_{227}	15.5	X	48.29842	331.76176	86.92734	4.40256	0.1905924	0.23368079	2.6104820	20	—	—
84436 2002 TU_{228}	14.9	X	150.93015	178.93287	52.17222	13.95824	0.1096319	0.22422125	2.6833967	20	11 20.7	19.0
84437 2002 TW_{231}	15.3	X	88.21513	224.81409	119.60046	15.94673	0.1416963	0.23296330	2.6158392	20	—	—
84438 2002 TU_{233}	15.0	X	48.68275	89.04566	330.72606	13.83443	0.0648738	0.23632773	2.5909533	20	—	—
84439 2002 TW_{233}	15.1	X	92.33781	131.98020	285.76544	9.83513	0.2375551	0.18592657	3.0402438	20	2 25.6	19.5
84440 2002 TE_{234}	14.7	X	289.14019	204.33135	269.35204	11.76514	0.1198810	0.22478916	2.6788751	20	12 11.2	17.7
84441 2002 TK_{235}	14.9	X	169.20651	164.10162	280.49195	9.09708	0.2126389	0.25608823	2.4558941	20	6 9.7	19.1
84442 2002 TL_{235}	14.8	X	357.48514	74.95876	324.39892	10.55345	0.1994080	0.22487742	2.6781742	20	—	—
84443 2002 TF_{236}	14.9	X	12.15536	80.26016	334.85396	13.29922	0.1612267	0.22885585	2.6470453	20	—	—
84444 2002 TM_{238}	15.7	X	116.10525	63.86050	278.09606	2.19865	0.1189519	0.23413446	2.6071088	20	—	—
84445 2002 TZ_{239}	13.8	X	242.12871	303.91895	226.01283	12.99004	0.0724540	0.17017681	3.2250452	20	12 8.3	18.4
84446 2002 TN_{240}	14.7	X	121.47037	105.47289	204.64604	13.33615	0.0953560	0.22753993	2.6572411	20	—	—
84447 Jeffkanipe	15.7	X	78.35847	346.45357	121.84497	10.33246	0.0234808	0.24701394	2.5156782	20	3 12.6	19.0
84448 2002 TX_{240}	14.4	X	69.64998	322.41069	102.51582	12.12786	0.0675946	0.18254066	3.0777238	20	1 16.9	18.4
84449 2002 TA_{241}	15.1	X	116.11841	339.17037	68.77849	2.76864	0.1347212	0.18896838	3.0075300	20	3 3.6	19.4
84450 2002 TZ_{241}	16.3	X	142.72912	39.46326	226.89999	5.28194	0.0974753	0.28459076	2.2890512	20	—	—
84451 2002 TP_{242}	15.2	X	53.48948	223.94799	207.06722	10.39895	0.0899772	0.18219257	3.0816427	20	1 2.5	19.3
84452 2002 TQ_{248}	14.8	X	101.36336	304.82587	133.63304	3.03747	0.1712711	0.19059217	2.9904234	20	3 28.5	19.1
84453 2002 TU_{248}	16.1	X	169.69151	163.67495	26.40429	7.04380	0.0474880	0.27737080	2.3286036	20	11 1.4	19.1
84454 2002 TN_{250}	14.8	X	170.41846	201.81840	174.99326	2.51104	0.0952297	0.19138651	2.9821433	20	3 17.4	19.4
84455 2002 TO_{250}	15.0	X	62.85312	229.28631	174.13116	2.23677	0.1585811	0.17808617	3.1288345	20	—	—
84456 2002 TR_{250}	15.6	X	315.02255	67.05019	346.07034	1.34413	0.0709601	0.21946937	2.7219915	20	11 2.5	18.9
84457 2002 TY_{250}	14.5	X	37.51162	292.50495	211.38109	9.12166	0.0858398	0.18764531	3.0216506	20	3 7.8	18.4
84458 2002 TB_{251}	16.1	X	331.63438	31.00455	37.68476	7.40351	0.0989202	0.27878728	2.3207093	20	—	—
84459 2002 TG_{251}	15.7	X	331.74788	31.09446	87.90179	5.15073	0.0359659	0.23335438	2.6129158	20	—	—
84460 2002 TH_{254}	16.3	X	213.75834	110.85020	160.44495	4.56337	0.0421659	0.29529776	2.2333800	20	—	—
84461 2002 TQ_{254}	16.0	X	325.89469	17.03199	48.51693	11.33754	0.1188007	0.27873548	2.3209968	20	12 28.4	18.4
84462 2002 TW_{255}	15.4	X	115.65952	206.22016	63.12659	7.38652	0.0826738	0.27774085	2.3265347	20	12 12.3	18.6
84463 2002 TZ_{255}	15.0	X	105.98892	247.34459	91.33970	4.24202	0.1164264	0.23148552	2.6269602	20	—	—
84464 2002 TT_{256}	14.8	X	18.34128	63.37005	34.58378	10.03311	0.0241860	0.18027401	3.1034682	20	—	—
84465 2002 TO_{257}	15.0	X	184.54523	313.40512	128.14851	3.03604	0.0318956	0.20297909	2.8674896	20	6 21.1	19.0
84466 2002 TV_{257}	15.4	X	11.57763	294.50435	171.33278	5.42975	0.0985308	0.23469600	2.6029486	20	—	—
84467 2002 TX_{258}	16.0	X	355.90283	281.43624	81.42883	3.91270	0.1913949	0.27512310	2.3412692	20	11 29.9	18.0
84468 2002 TY_{258}	15.4	X	35.76431	271.62565	174.32859	3.59594	0.1601554	0.23410767	2.6073077	20	—	—
84469 2002 TL_{259}	15.4	X	40.56104	296.06835	144.97984	4.95213	0.1126580	0.23439656	2.6051649	20	—	—
84470 2002 TB_{260}	15.7	X	68.76359	70.24454	44.73851	14.27405	0.1375893	0.24439990	2.5335843	20	3 27.5	18.8
84471 2002 TD_{260}	15.2	X	326.63650	340.16412	45.48618	6.78785	0.0457198	0.21697183	2.7428400	20	10 16.4	18.7
84472 2002 TZ_{260}	15.6	X	110.61626	165.15802	196.82503	6.04488	0.2085913	0.29035160	2.2586724	20	—	—
84473 2002 TP_{261}	15.4	X	52.18173	164.26703	100.96011	6.32736	0.0609613	0.26635841	2.3923522	20	9 19.3	18.4
84474 2002 TX_{263}	15.9	X	313.16707	292.17228	261.42604	7.04827	0.0701871	0.29755262	2.2220826	20	—	—
84475 2002 TJ_{264}	15.3	X	95.78621	117.54734	264.57697	2.24060	0.0768781	0.23532687	2.5982944	20	—	—
84476 2002 TR_{264}	15.1	X	258.15097	166.68869	323.90017	8.31929	0.1225206	0.22138796	2.7062425	20	11 11.5	18.7
84477 2002 TF_{265}	16.1	X	126.86743	109.89970	227.08354	9.42841	0.0385511	0.28915000	2.2649255	20	—	—
84478 2002 TC_{266}	15.3	X	42.38831	28.24781	4.94356	1.57387	0.2271622	0.22767072	2.6562233	20	—	—
84479 2002 TK_{266}	14.7	X	224.85338	258.39813	76.63136	14.91601	0.1152037	0.24556031	2.5255963	20	3 25.2	18.8
84480 2002 TM_{266}	14.9	X	61.03329	109.61830	246.62027	11.12873	0.2644315	0.28209442	2.3025358	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
84481 2002 TB_{267}	14.3	X	49.21094	261.51013	83.29592	15.56000	0.2077152	0.21942380	2.7223684	20	—	—
84482 2002 TW_{267}	15.3	X	51.63253	248.75175	228.17033	13.36319	0.2357085	0.24291375	2.5439075	20	2 28.5	17.9
84483 2002 TU_{269}	16.2	X	1.68740	252.10136	297.16327	4.36826	0.0927372	0.30621435	2.1799792	20	2 23.9	18.1
84484 2002 TY_{270}	15.3	X	334.21280	256.40146	216.38120	13.64242	0.0547092	0.23301220	2.6154732	20	—	—
84485 2002 TY_{273}	16.4	X	292.96468	203.99204	321.17179	5.28678	0.0655760	0.29116340	2.2544721	20	—	—
84486 2002 TY_{275}	16.0	X	261.61346	286.37586	222.39816	6.20518	0.0618918	0.28287689	2.2982878	20	—	—
84487 2002 TZ_{275}	15.5	X	257.48585	220.08571	275.60720	2.71091	0.1578371	0.22234505	2.6984709	20	11 14.6	19.0
84488 2002 TV_{276}	15.5	X	287.15049	147.79173	280.87255	4.13375	0.0501743	0.21812385	2.7331740	20	10 12.5	19.1
84489 2002 TT_{277}	15.8	X	355.08432	143.91429	351.31463	3.42302	0.1977218	0.23672022	2.5880886	20	—	—
84490 2002 TK_{280}	15.9	X	327.56187	23.82086	341.03237	6.64941	0.1281653	0.27145784	2.3622968	20	9 25.9	18.1
84491 2002 TR_{280}	16.0	X	145.86530	14.28985	270.04412	5.72455	0.1038062	0.28726812	2.2748063	20	—	—
84492 2002 TF_{281}	15.5	X	299.53595	115.44649	275.40088	4.39417	0.1516586	0.27004074	2.3705540	20	9 6.1	17.9
84493 2002 TK_{282}	16.0	X	145.60516	309.56101	2.17447	7.36688	0.1485018	0.29195464	2.2503969	20	—	—
84494 2002 TT_{282}	14.7	X	201.82508	62.91205	355.38289	10.31353	0.1410101	0.20158028	2.8807397	20	6 4.8	19.5
84495 2002 TC_{283}	15.5	X	23.43193	90.38178	354.21021	7.99007	0.0957660	0.23350158	2.6118175	20	—	—
84496 2002 TJ_{283}	15.7	X	57.03301	171.22756	239.33023	8.25681	0.0962251	0.29053545	2.2577194	20	—	—
84497 2002 TR_{283}	14.6	X	80.08464	61.45198	17.10024	9.93314	0.2038164	0.18464165	3.0543321	20	3 9.4	18.6
84498 2002 TB_{284}	15.1	X	236.61598	294.40463	304.48339	5.95481	0.1304192	0.29255694	2.2473072	20	—	—
84499 2002 TE_{285}	16.1	X	299.13252	32.77023	355.56885	6.78752	0.1300735	0.26899429	2.3766981	20	9 7.8	18.5
84500 2002 TG_{285}	15.6	X	199.34125	342.16338	323.87027	4.53765	0.2009548	0.24362727	2.5389382	20	1 18.5	19.9
84501 2002 TH_{285}	15.3	X	266.74598	191.38296	320.83317	4.68481	0.1951134	0.22293797	2.6936842	20	12 15.2	18.5
84502 2002 TO_{285}	15.0	X	18.19038	99.96844	331.74387	4.95738	0.1720140	0.23007983	2.6376491	20	—	—
84503 2002 TX_{285}	15.7	X	121.77940	308.64839	13.04024	9.07072	0.0762089	0.28765731	2.2727540	20	—	—
84504 2002 TL_{286}	16.3	X	310.82693	45.27477	328.90096	1.95802	0.2023519	0.26959646	2.3731577	20	8 30.3	17.8
84505 2002 TP_{287}	15.0	X	42.18906	119.08322	271.84436	9.59817	0.0638236	0.22883912	2.6471743	20	—	—
84506 2002 TE_{288}	15.7	X	117.56508	342.56285	324.13914	6.70495	0.0852329	0.28454954	2.2892723	20	—	—
84507 2002 TN_{288}	14.9	X	73.04484	132.96959	233.23897	12.43473	0.1737893	0.23100996	2.6305642	20	—	—
84508 2002 TQ_{288}	14.5	X	100.72963	69.62658	253.71032	14.04212	0.0773495	0.22811249	2.6527928	20	—	—
84509 2002 TZ_{288}	15.3	X	70.16427	71.19241	3.28969	3.86048	0.1933368	0.23775559	2.5805695	20	2 5.8	17.9
84510 2002 TA_{290}	15.3	X	206.91852	123.45520	334.29539	3.11006	0.0562632	0.20901984	2.8119723	20	8 7.7	19.4
84511 2002 TH_{290}	14.9	X	100.54923	352.62501	26.70669	14.26350	0.1756406	0.23556204	2.5965649	20	1 8.6	18.4
84512 2002 TK_{291}	15.0	X	161.15178	84.49328	254.55454	13.91411	0.1430873	0.24072447	2.5593080	20	1 17.4	19.1
84513 2002 TQ_{291}	14.3	X	169.68231	139.65283	31.85448	16.13230	0.1113476	0.21089260	2.7953004	20	10 1.3	18.7
84514 2002 TC_{292}	15.8	X	316.93120	146.88322	321.70062	6.11965	0.0426771	0.22815389	2.6524719	20	—	—
84515 2002 TB_{293}	14.5	X	215.54273	230.31036	258.46433	12.36153	0.0870128	0.20995701	2.8035983	20	9 16.8	19.0
84516 2002 TK_{293}	14.3	X	125.65382	27.19697	351.00367	5.93566	0.3555507	0.18387345	3.0628334	20	2 28.9	19.5
84517 2002 TJ_{294}	15.8	X	346.47287	247.38020	238.04999	5.80839	0.1463665	0.23370312	2.6103158	20	—	—
84518 2002 TD_{295}	14.1	X	1.14505	182.85198	244.66225	21.28782	0.0667978	0.22783320	2.6549603	20	—	—
84519 2002 TE_{295}	15.1	X	302.56084	154.33282	321.75867	12.98203	0.0736327	0.22497224	2.6774216	20	—	—
84520 2002 TQ_{296}	16.5	X	351.63620	329.28189	134.69753	4.94899	0.1040739	0.28951616	2.2630154	20	—	—
84521 2002 TE_{300}	15.5	X	159.62986	261.26750	5.65179	6.62318	0.0936528	0.28557358	2.2837963	20	—	—
84522 2002 TC_{302}	3.9	X	325.75538	86.81936	23.84362	35.03900	0.2897685	0.00241220	55.0630996	20	11 4.1	20.4
84523 2002 UF_{2}	14.8	X	72.27659	32.80611	51.35953	16.82983	0.3251217	0.18463910	3.0543604	20	3 29.7	18.9
84524 2002 UN_{6}	16.3	X	119.97818	187.55085	139.69836	6.61223	0.1839912	0.29173482	2.2515272	20	—	—
84525 2002 UC_{7}	14.9	X	118.47534	258.79451	157.75951	10.64134	0.1043945	0.18983173	2.9984042	20	3 12.4	19.1
84526 2002 UE_{9}	15.2	X	342.41638	303.87491	140.60882	13.33035	0.1512863	0.22569789	2.6716796	20	—	—
84527 2002 UF_{9}	14.9	X	42.23801	267.60824	126.00459	13.40237	0.1729938	0.22939851	2.6428691	20	—	—
84528 2002 UP_{9}	14.0	X	56.73808	26.57479	56.04943	20.93790	0.1640474	0.18003001	3.1062717	20	2 7.7	18.2
84529 2002 UK_{10}	16.3	X	199.78860	342.03740	90.15857	3.80388	0.1306972	0.25894733	2.4377833	20	6 23.7	19.9
84530 2002 UC_{11}	15.7	X	296.91820	245.59293	238.40275	12.60804	0.1462254	0.22449226	2.6812366	20	—	—
84531 2002 UW_{12}	14.3	X	319.87288	25.53525	88.92635	9.84684	0.0703399	0.17390289	3.1788120	20	—	—
84532 2002 UV_{14}	15.3	X	359.62372	349.92230	112.92830	6.11686	0.1640129	0.23353479	2.6115699	20	—	—
84533 2002 UO_{16}	14.6	X	103.11182	228.87040	179.41051	11.11478	0.1781003	0.18460940	3.0546878	20	2 21.3	19.0
84534 2002 UR_{16}	15.0	X	303.51919	224.08748	155.94586	10.45769	0.0499747	0.21101010	2.7942627	20	9 2.4	18.5
84535 2002 UU_{19}	14.8	X	21.28622	213.73307	134.39634	5.51452	0.1434344	0.21964162	2.7205682	20	11 27.7	18.2
84536 2002 UV_{19}	15.8	X	225.52825	252.38412	149.65002	5.29093	0.1058363	0.25791467	2.4442860	20	6 13.9	19.3
84537 2002 UJ_{20}	16.4	X	304.57515	188.33303	215.98855	1.92512	0.1808953	0.27118237	2.3638963	20	10 7.9	18.4
84538 2002 UM_{21}	15.9	X	313.91432	304.32041	185.39261	2.74265	0.1198398	0.22944497	2.6425123	20	—	—
84539 2002 UR_{22}	15.9	X	115.38396	280.13181	60.12095	5.85589	0.1214934	0.28901233	2.2656447	20	—	—
84540 2002 UC_{26}	15.4	X	281.36818	354.76117	101.20828	5.74221	0.0806320	0.22006913	2.7170438	20	11 10.2	18.8
84541 2002 UH_{26}	16.1	X	229.21984	33.69470	98.48600	7.22560	0.0535866	0.27412937	2.3469239	20	11 2.4	19.1
84542 2002 UB_{27}	15.9	X	24.51317	233.72674	265.43021	2.40138	0.0521951	0.24296154	2.5435739	20	2 3.8	18.8
84543 2002 UJ_{28}	14.8	X	95.36425	302.31485	179.80351	9.38138	0.2130270	0.19118357	2.9842532	20	5 21.2	19.3
84544 2002 UC_{29}	15.3	X	339.21470	261.63334	143.96669	12.16376	0.2499176	0.22027345	2.7153633	20	12 17.2	17.9
84545 2002 UK_{29}	15.8	X	70.06400	280.42553	102.67546	6.18076	0.1276110	0.28812710	2.2702829	20	—	—
84546 2002 UR_{29}	15.7	X	270.62818	309.83957	117.73871	6.61714	0.1284991	0.26810505	2.3819505	20	9 19.4	18.4
84547 2002 UX_{30}	15.2	X	199.08916	132.22090	49.26961	9.71915	0.0904391	0.21741156	2.7391404	20	11 10.5	19.1
84548 2002 UJ_{32}	15.8	X	225.38970	231.18886	241.11933	5.76355	0.0707658	0.26807185	2.3821471	20	9 21.1	18.9
84549 2002 UJ_{33}	15.2	X	186.04278	262.45258	253.00946	7.76510	0.0928879	0.21235523	2.7824503	20	9 20.2	19.5
84550 2002 UN_{33}	14.7	X	48.06062	178.56293	273.87071	0.68406	0.1855901	0.18053882	3.1004328	20	1 30.9	18.2
84551 2002 UP_{33}	15.0	X	152.04295	139.98927	291.37049	1.11763	0.0885320	0.19485423	2.9466563	20	5 2.9	19.3
84552 2002 UT_{34}	15.3	X	201.27958	221.61126	197.73277	1.63693	0.0612363	0.20180781	2.8785740	20	6 11.1	19.4
84553 2002 UK_{37}	15.4	X	168.41439	300.21176	277.63857	2.82408	0.0198015	0.22276975	2.6950401	20	11 27.2	19.0
84554 2002 UM_{38}	15.4	X	169.66790	121.42925	312.66786	0.98628	0.0137707	0.19869609	2.9085498	20	5 23.3	19.4
84555 2002 UO_{40}	14.9	X	111.69393	138.38787	178.69914	14.27834	0.1049658	0.22952749	2.6418790	20	—	—
84556 2002 UQ_{45}	15.9	X	97.60822	185.05316	14.19470	4.68920	0.0892101	0.26327294	2.4110075	20	8 21.2	19.1
84557 2002 VC	14.5	X	137.36439	236.50809	67.19422	13.24260	0.1849029	0.22977786	2.6399595	20	—	—
84558 2002 VW_{3}	15.4	X	190.02651	75.39955	322.67632	1.26981	0.0776399	0.19683377	2.9268669	20	5 1.5	19.7
84559 2002 VY_{6}	15.4	X	36.35212	206.10113	251.28788	8.14831	0.1554884	0.23561129	2.5962030	20	—	—
84560 2002 VB_{7}	15.3	X	46.74456	92.03904	311.94721	2.31060	0.1811916	0.23096638	2.6308951	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
84561 2002 VH_7	14.9	X	57.96172	163.02426	237.63144	10.97124	0.0745059	0.17669234	3.1452674	20	—	—
84562 2002 VO_7	14.9	X	53.04936	279.62032	168.22001	4.18699	0.2545536	0.17989359	3.1078419	20	2 11.4	18.0
84563 2002 VD_8	14.9	X	125.47474	102.41786	349.78273	9.04998	0.0332849	0.19577908	2.9373691	20	4 20.2	19.2
84564 2002 VT_8	16.0	X	216.46988	198.14786	346.09466	6.64695	0.0516785	0.27988622	2.3146307	20	12 24.9	19.0
84565 2002 VA_9	15.6	X	285.82410	288.21069	104.57268	7.41286	0.1064810	0.26665316	2.3905889	20	8 26.7	18.3
84566 VIMS	14.9	X	211.60308	249.68067	245.74994	13.54219	0.1687177	0.21279754	2.7785933	20	9 13.3	19.6
84567 2002 VX_9	15.6	X	268.03444	183.47243	286.10907	5.43974	0.0731990	0.21925654	2.7237527	20	11 5.9	19.3
84568 2002 VS_{10}	15.5	X	225.52873	23.28824	5.34766	1.72629	0.0816448	0.20087099	2.8875171	20	5 28.4	19.8
84569 2002 VC_{11}	15.8	X	314.13027	174.60890	37.70818	4.76018	0.1050277	0.29826669	2.2185346	20	1 15.5	18.4
84570 2002 VD_{11}	15.5	X	185.61956	165.77622	27.94662	8.71815	0.0661856	0.27508772	2.3414699	20	11 22.6	18.7
84571 2002 VR_{13}	15.2	X	126.82251	143.83215	214.58576	4.17055	0.0919850	0.23480679	2.6021298	20	1 1.2	18.8
84572 2002 VJ_{14}	16.6	X	299.00097	123.19794	214.26482	3.48552	0.0898722	0.31751429	2.1279457	20	6 27.9	18.6
84573 2002 VO_{15}	14.2	X	97.37188	335.25605	93.42819	33.25645	0.1747142	0.23469729	2.6029391	20	3 23.9	18.6
84574 2002 VU_{15}	14.7	X	215.93669	216.44388	183.10529	10.58496	0.1127385	0.20059399	2.8901747	20	5 31.1	19.3
84575 2002 VD_{16}	14.9	X	256.84545	27.16994	30.39464	2.47921	0.1020035	0.15452101	3.4393604	20	8 6.3	19.9
84576 2002 VH_{16}	15.4	X	88.03120	333.72283	208.65155	1.29058	0.1415323	0.20150409	2.8814658	20	7 17.7	19.6
84577 2002 VK_{16}	16.1	X	177.22637	282.71163	327.29763	4.46443	0.0996129	0.28521340	2.2857186	20	—	—
84578 2002 VO_{17}	15.8	X	303.19351	238.83879	176.28375	2.09771	0.0728225	0.21449529	2.7639120	20	10 17.8	19.3
84579 2002 VS_{18}	15.7	X	282.08792	249.38983	248.81187	2.23182	0.0323885	0.22637335	2.6663624	20	—	—
84580 2002 VA_{20}	15.2	X	306.01489	98.59922	75.79694	13.68840	0.1399862	0.23031561	2.6358487	20	—	—
84581 2002 VC_{20}	15.4	X	201.49887	144.91339	79.06574	12.04946	0.1717989	0.27850629	2.3222700	20	—	—
84582 2002 VL_{24}	14.5	X	79.75568	177.72027	229.69245	13.97373	0.0302646	0.17944976	3.1129642	20	1 2.6	19.0
84583 2002 VE_{27}	15.8	X	330.60256	308.00727	35.79225	2.50163	0.0753795	0.21003848	2.8028734	20	8 24.3	19.1
84584 2002 VS_{27}	15.8	X	3.10409	72.81381	244.16524	5.89777	0.0516842	0.26661139	2.3908386	20	9 10.9	18.6
84585 2002 VT_{27}	14.7	X	306.47832	115.17071	254.30738	2.80314	0.1281938	0.21019933	2.8014432	20	8 12.9	18.0
84586 2002 VU_{27}	15.9	X	342.18248	63.01409	4.49067	1.07210	0.1798251	0.22307600	2.6925730	20	—	—
84587 2002 VH_{28}	15.1	X	340.81675	178.85249	245.72973	3.75584	0.1255972	0.22311012	2.6922985	20	—	—
84588 2002 VQ_{28}	15.9	X	357.27751	273.79845	47.35103	7.09957	0.1490675	0.26888502	2.3773419	20	9 25.0	18.1
84589 2002 VR_{28}	15.2	X	64.53912	160.79370	248.09253	3.91004	0.0924509	0.23423964	2.6063283	20	—	—
84590 2002 VS_{28}	15.6	X	0.37961	265.26003	221.76393	12.38470	0.1206810	0.23453853	2.6041136	20	—	—
84591 2002 VN_{29}	16.3	X	155.22676	295.26760	32.55199	3.09313	0.1562026	0.29379452	2.2409917	20	—	—
84592 2002 VP_{29}	14.6	X	212.08698	123.41846	245.99985	10.96809	0.0765807	0.19495200	2.9456711	20	4 17.7	19.2
84593 2002 VL_{30}	15.4	X	312.93391	50.82511	57.11103	15.28078	0.1320606	0.22324415	2.6912208	20	—	—
84594 2002 VO_{30}	16.3	X	67.03661	11.12276	307.76391	1.48137	0.2201698	0.27968268	2.3157535	20	—	—
84595 2002 VP_{30}	15.3	X	99.03738	28.26133	48.79953	2.28421	0.1916699	0.18586771	3.0408856	20	3 26.9	19.6
84596 2002 VT_{30}	15.9	X	253.22716	53.35727	50.54770	7.99577	0.0664839	0.27044909	2.3681672	20	10 23.8	18.7
84597 2002 VD_{31}	15.9	X	227.67755	216.53540	226.53916	5.26531	0.0756060	0.26321952	2.4113337	20	8 13.5	19.2
84598 2002 VM_{31}	15.2	X	42.69771	220.41671	208.93352	3.29223	0.1627585	0.17635924	3.1492265	20	—	—
84599 2002 VT_{31}	14.3	X	96.72164	44.11094	72.79684	10.50826	0.1148700	0.19052595	2.9911163	20	5 3.9	18.5
84600 2002 VH_{32}	15.4	X	76.69290	26.47163	65.43012	0.88412	0.1722284	0.18371323	3.0646138	20	3 14.1	19.2
84601 2002 VR_{32}	15.5	X	237.73796	276.08801	201.90801	3.11569	0.1540275	0.21236005	2.7824081	20	9 26.6	19.6
84602 2002 VX_{32}	15.6	X	351.87871	173.30561	212.09121	1.60683	0.1293357	0.21885517	2.7270818	20	11 28.1	18.5
84603 2002 VA_{33}	15.9	X	41.73056	174.41346	236.04042	2.08913	0.0969282	0.22942221	2.6426871	20	—	—
84604 2002 VW_{33}	13.9	X	350.62386	286.08175	240.70053	20.80136	0.2361438	0.17769927	3.1333744	20	1 9.1	17.8
84605 2002 VL_{34}	15.2	X	255.35570	90.64285	69.12672	5.91496	0.0981053	0.22065819	2.7122061	20	12 21.6	18.6
84606 2002 VY_{34}	14.6	X	347.58862	64.75119	47.93231	5.73633	0.1189015	0.17458646	3.1705091	20	—	—
84607 2002 VL_{35}	15.1	X	356.60349	84.38104	179.34221	1.79818	0.0259411	0.19977827	2.8980367	20	6 14.1	18.9
84608 2002 VX_{35}	16.8	X	184.03758	112.89333	212.13128	1.76190	0.1000396	0.29795786	2.2200674	20	1 15.2	19.7
84609 2002 VE_{36}	15.5	X	53.94292	7.81069	111.60971	10.87389	0.0754262	0.24034256	2.5620185	20	2 27.9	18.6
84610 2002 VX_{36}	15.1	X	339.31282	308.84473	193.68724	10.45679	0.0899031	0.17911618	3.1168280	20	—	—
84611 2002 VA_{37}	15.4	X	221.19816	358.25362	152.90987	5.45366	0.0538966	0.21893292	2.7264362	20	11 4.8	19.2
84612 2002 VB_{37}	15.2	X	248.39976	324.80077	130.08146	5.66895	0.0881320	0.21407200	2.7675542	20	9 22.1	18.9
84613 2002 VX_{37}	15.9	X	205.55628	341.36338	93.74565	7.35981	0.1397414	0.26079070	2.4262822	20	7 3.3	19.4
84614 2002 VE_{38}	15.8	X	249.31762	242.02179	350.85681	5.74882	0.0710443	0.29335419	2.2432337	20	—	—
84615 2002 VY_{38}	15.0	X	37.41951	251.85497	106.48244	7.40856	0.1430546	0.22409463	2.6844073	20	12 31.7	18.6
84616 2002 VZ_{38}	16.2	X	138.23712	183.85972	157.77927	5.80305	0.1588247	0.29394252	2.2402395	20	—	—
84617 2002 VA_{39}	14.8	X	19.11575	225.01907	102.68100	9.36252	0.1059997	0.21600831	2.7509904	20	10 25.7	18.3
84618 2002 VF_{40}	14.6	X	15.63743	46.23907	8.40759	10.87107	0.0737922	0.17164194	3.2066663	20	—	—
84619 2002 VL_{41}	16.2	X	119.30993	5.63152	277.89369	4.32538	0.1781923	0.28252923	2.3001728	20	—	—
84620 2002 VL_{43}	15.8	X	188.94418	164.87898	30.98314	11.18749	0.0907922	0.27608748	2.3358139	20	11 26.4	19.2
84621 2002 VD_{44}	15.5	X	322.38491	306.52818	205.30984	11.25944	0.1346082	0.23170690	2.6252867	20	—	—
84622 2002 VL_{44}	15.7	X	126.20477	15.52479	114.16044	3.25044	0.0344131	0.25562334	2.4588708	20	6 13.2	18.8
84623 2002 VU_{44}	15.3	X	165.97596	172.96167	70.27720	12.77925	0.0151458	0.22392774	2.6857409	20	12 26.5	19.1
84624 2002 VR_{45}	14.9	X	72.69262	90.80098	318.70254	8.64754	0.0849650	0.17950657	3.1123074	20	1 5.5	19.0
84625 2002 VR_{46}	16.1	X	215.84026	231.99611	202.19202	6.35845	0.0366040	0.26162580	2.4211164	20	7 21.8	19.3
84626 2002 VB_{47}	15.6	X	55.39714	308.98415	92.29095	4.39628	0.0489259	0.23198288	2.6232041	20	—	—
84627 2002 VH_{47}	15.8	X	274.79951	85.46313	77.31123	7.58425	0.0491324	0.28320289	2.2965237	20	—	—
84628 2002 VB_{49}	15.0	X	358.07429	52.34071	105.36038	4.67312	0.2290380	0.23632672	2.5909607	20	1 1.2	17.6
84629 2002 VD_{49}	15.1	X	164.33284	205.55745	200.15263	6.89032	0.0842393	0.19277313	2.9678257	20	4 14.8	19.5
84630 2002 VZ_{49}	15.4	X	349.81725	29.36869	78.50133	12.74514	0.1497350	0.22935601	2.6431956	20	—	—
84631 2002 VW_{51}	15.2	X	125.28593	127.52919	65.58888	14.06021	0.1595601	0.26637898	2.3922290	20	9 25.0	19.2
84632 2002 VN_{52}	14.9	X	347.55358	34.04730	61.73536	12.79481	0.1544151	0.22969735	2.6405763	20	—	—
84633 2002 VF_{53}	16.3	X	257.88518	230.83814	202.89365	5.20549	0.0181127	0.26847955	2.3797349	20	9 22.4	19.2
84634 2002 VL_{53}	15.6	X	69.92869	227.42481	88.41717	3.61488	0.0715699	0.22176551	2.7031702	20	12 7.4	19.2
84635 2002 VD_{54}	15.8	X	347.32790	106.95004	92.08150	2.09831	0.0373070	0.24571587	2.5245302	20	3 3.2	18.7
84636 2002 VX_{54}	14.5	X	335.78247	203.72874	271.09676	11.49721	0.0924686	0.17415340	3.1757629	20	—	—
84637 2002 VG_{55}	15.3	X	339.22089	220.59760	258.36262	12.90049	0.1012006	0.23161412	2.6259877	20	—	—
84638 2002 VO_{55}	15.8	X	187.53677	325.85450	238.07637	4.17609	0.1057376	0.27618609	2.3352579	20	12 5.9	19.1
84639 2002 VQ_{55}	16.5	X	94.04769	314.94707	16.19280	2.93728	0.1209092	0.28482832	2.2877783	20	—	—
84640 2002 VZ_{55}	14.6	X	64.62661	359.15729	73.90417	10.27875	0.0608652	0.18239345	3.0793796	20	1 20.5	18.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
84641 2002 VE_{58}	15.1	X	238.15662	59.52613	95.71707	9.95382	0.0760384	0.21891691	2.7265691	20	11 27.6	18.8
84642 2002 VQ_{58}	15.8	X	340.65933	325.95205	77.41974	8.28028	0.1248820	0.27564455	2.3383155	20	12 21.9	18.0
84643 2002 VT_{58}	14.8	X	112.61883	261.96311	82.23907	15.16943	0.1265104	0.23172130	2.6251779	20	—	—
84644 2002 VW_{58}	15.5	X	308.93382	251.29807	176.54523	3.68302	0.0800131	0.21711111	2.7416669	20	11 13.2	18.8
84645 2002 VE_{59}	16.2	X	277.71850	278.89206	142.54845	5.44260	0.1038429	0.26941196	2.3742410	20	9 24.9	18.8
84646 2002 VM_{60}	14.9	X	322.62032	25.87298	73.14850	22.59410	0.0528284	0.22614631	2.6681468	20	—	—
84647 2002 VN_{60}	14.9	X	7.03251	267.47929	94.14946	9.05749	0.0732709	0.21919639	2.7242510	20	11 16.1	18.4
84648 2002 VR_{60}	14.3	X	306.01399	302.85543	211.64116	16.45434	0.0851803	0.17453733	3.1711041	20	—	—
84649 2002 VL_{62}	15.4	X	327.89735	100.30598	310.10375	4.73951	0.0187183	0.21966106	2.7204078	20	11 16.9	19.1
84650 2002 VC_{66}	15.2	X	299.92802	132.05400	30.77904	1.31621	0.1144506	0.17518884	3.1632372	20	—	—
84651 2002 VS_{66}	14.9	X	166.28330	147.49905	217.12599	10.58772	0.0244614	0.18767733	3.0213068	20	2 19.6	19.5
84652 2002 VK_{68}	14.5	X	349.83576	128.45540	317.66351	7.10890	0.0388524	0.17264402	3.1942459	20	—	—
84653 2002 VS_{68}	14.6	X	50.09108	220.42708	118.37119	14.16132	0.1899923	0.22315923	2.6919035	20	12 28.5	18.5
84654 2002 VQ_{70}	15.9	X	237.55559	136.03202	67.54708	6.46858	0.1019927	0.28608249	2.2810871	20	—	—
84655 2002 VN_{73}	15.8	X	63.90094	283.88734	103.79269	5.02273	0.2257628	0.23235316	2.6204165	20	—	—
84656 2002 VS_{74}	15.6	X	116.00210	133.72751	110.03399	5.74090	0.1293252	0.27466744	2.3438578	20	11 13.2	19.1
84657 2002 VT_{76}	16.3	X	23.70884	191.20581	130.11431	3.36097	0.1867448	0.27360737	2.3499080	20	11 15.5	19.0
84658 2002 VX_{76}	15.2	X	201.25087	281.51135	128.00246	2.97985	0.0855715	0.19917875	2.9038491	20	5 28.8	19.6
84659 2002 VO_{78}	15.6	X	301.57632	348.17238	79.67496	7.87126	0.0788466	0.27334101	2.3514343	20	11 17.1	18.0
84660 2002 VZ_{78}	15.8	X	357.02024	329.38689	121.66770	4.20287	0.1983794	0.22771541	2.6558758	20	—	—
84661 2002 VA_{79}	14.6	X	351.78818	267.85703	221.88341	17.29004	0.1058607	0.17632799	3.1495986	20	—	—
84662 2002 VU_{80}	14.5	X	135.06979	172.50177	215.28219	9.52536	0.1086997	0.18535718	3.0464668	20	2 21.4	19.2
84663 2002 VW_{80}	14.0	X	283.26589	150.45565	82.17359	14.27590	0.0337607	0.18250970	3.0780719	20	2 2.4	18.5
84664 2002 VG_{81}	15.3	X	78.38466	49.64215	73.69200	14.03017	0.1172455	0.24448109	2.5330234	20	4 19.4	18.6
84665 2002 VZ_{81}	14.7	X	39.99381	129.88267	207.95150	8.35468	0.1502471	0.21953289	2.7214665	20	12 9.5	18.4
84666 2002 VE_{82}	15.5	X	107.31114	227.67899	166.08970	4.04142	0.1454557	0.23738710	2.5832393	20	1 28.7	18.9
84667 2002 VO_{82}	15.9	X	84.98765	169.15304	179.56583	4.69805	0.2889981	0.28640285	2.2793858	20	—	—
84668 2002 VS_{82}	15.1	X	257.32475	245.28901	110.68369	6.94646	0.1568689	0.25536265	2.4605440	20	5 15.6	18.6
84669 2002 VZ_{82}	15.5	X	216.62092	325.45135	201.65258	9.14280	0.0356296	0.21880243	2.7275201	20	11 20.9	19.3
84670 2002 VF_{83}	15.2	X	216.26192	186.40841	81.19452	16.43515	0.1040565	0.23514689	2.5996201	20	—	—
84671 2002 VS_{83}	15.1	X	82.47047	242.44486	84.53056	15.61750	0.0954217	0.22321490	2.6914558	20	—	—
84672 2002 VG_{84}	14.8	X	124.67800	142.00572	240.08491	13.00045	0.1551062	0.23749499	2.5824569	20	1 31.9	18.8
84673 2002 VW_{86}	15.2	X	345.74054	44.34732	346.13961	4.57828	0.0746634	0.21951634	2.7216033	20	11 18.7	18.5
84674 2002 VT_{87}	15.4	X	332.99354	119.50123	334.43551	4.45086	0.1797466	0.22448982	2.6812560	20	—	—
84675 2002 VW_{87}	14.5	X	154.92982	121.81208	254.81078	9.58289	0.1650785	0.18835947	3.0140081	20	3 1.9	19.6
84676 2002 VM_{88}	15.8	X	59.45062	36.21870	82.73939	5.80486	0.1303949	0.24312637	2.5424241	20	3 13.1	18.6
84677 2002 VT_{88}	15.0	X	166.19409	38.64517	254.74678	11.05384	0.1349515	0.23389026	2.6089098	20	—	—
84678 2002 VW_{88}	15.9	X	270.36558	74.29248	2.61497	4.75175	0.1470439	0.21321030	2.7750060	20	9 17.2	19.5
84679 2002 VC_{89}	15.2	X	254.85655	95.45223	340.76872	5.46432	0.0423234	0.21210565	2.7846325	20	9 10.1	18.8
84680 2002 VN_{89}	13.8	X	60.27078	279.46048	103.29144	19.08227	0.1320361	0.16953673	3.2331575	20	—	—
84681 2002 VR_{89}	15.5	X	169.86623	71.27430	89.72738	9.26931	0.0855654	0.26785898	2.3834090	20	9 26.2	19.0
84682 2002 VN_{94}	15.8	X	277.55654	63.43071	8.15107	2.78225	0.0730503	0.21219829	2.7838220	20	9 30.9	19.3
84683 2002 VT_{95}	15.1	X	301.63250	92.99926	15.32781	12.67602	0.1551509	0.22201278	2.7011627	20	12 21.9	18.2
84684 2002 VO_{100}	14.9	X	307.83373	48.93871	10.06314	9.00301	0.1792535	0.21755241	2.7379580	20	10 20.4	17.6
84685 2002 VB_{102}	13.9	X	22.57171	350.76720	101.92420	19.01734	0.1630446	0.17244458	3.1967084	20	—	—
84686 2002 VG_{102}	15.5	X	46.68101	151.90272	193.61188	2.16140	0.0911006	0.22082510	2.7108392	20	12 18.9	19.1
84687 2002 VK_{102}	15.4	X	212.85301	259.64761	250.80694	6.49978	0.1609054	0.21534065	2.7566738	20	10 7.8	19.8
84688 2002 VO_{102}	15.6	X	197.25970	118.71229	9.27696	5.69656	0.0429648	0.21102156	2.7941614	20	9 6.8	19.6
84689 2002 VY_{102}	16.0	X	94.81617	288.10208	359.63055	6.74293	0.1158562	0.27827227	2.3235718	20	12 14.9	19.5
84690 2002 VJ_{105}	16.5	X	153.21840	36.44497	343.46364	1.80888	0.0415499	0.29926768	2.2135848	20	2 15.1	19.1
84691 2002 VT_{105}	15.4	X	15.74757	51.72781	326.24469	4.23769	0.0423305	0.22117680	2.7079647	20	12 13.0	19.0
84692 2002 VT_{107}	15.0	X	5.35986	77.72208	267.35808	10.39947	0.0568346	0.21503551	2.7592809	20	10 13.1	18.7
84693 2002 VY_{107}	15.1	X	75.87443	13.87159	47.11858	10.23414	0.0754479	0.18047617	3.1011503	20	1 23.9	19.4
84694 2002 VR_{108}	16.0	X	134.95020	26.69206	347.52459	3.13451	0.1762911	0.24034654	2.5619902	20	2 10.3	19.8
84695 2002 VH_{109}	15.2	X	163.60623	310.47170	50.42472	5.59103	0.2776632	0.24284440	2.5443918	20	2 29.3	19.7
84696 2002 VQ_{109}	15.0	X	33.85210	92.73936	36.90608	7.16261	0.1266693	0.18183859	3.0856407	20	2 22.4	18.7
84697 2002 VL_{110}	14.6	X	309.87815	70.46654	302.34737	7.69252	0.2340731	0.26320977	2.4113933	20	8 17.5	16.6
84698 2002 VN_{110}	13.5	X	177.90968	341.56893	71.43133	12.61109	0.2806472	0.19158826	2.9800494	20	5 11.9	18.9
84699 2002 VU_{110}	14.9	X	23.89993	353.01494	57.86067	7.56245	0.2095288	0.22335272	2.6903486	20	—	—
84700 2002 VL_{112}	15.2	X	261.27174	254.16200	261.80007	11.93820	0.1206643	0.22315797	2.6919136	20	12 22.5	18.5
84701 2002 VX_{112}	16.1	X	325.98554	237.77276	231.78438	6.84753	0.1274776	0.22613613	2.6682269	20	—	—
84702 2002 VQ_{113}	15.3	X	301.14898	145.13178	232.86765	3.55734	0.0862425	0.21007058	2.8025878	20	8 20.8	18.7
84703 2002 VX_{113}	14.9	X	336.41692	273.16268	211.29091	5.06061	0.1520044	0.17258580	3.1949643	20	—	—
84704 2002 VN_{115}	14.7	X	110.49669	205.39571	278.04722	9.36714	0.0668010	0.19549247	2.9402395	20	5 18.3	19.0
84705 2002 VK_{117}	14.9	X	167.81431	138.58265	29.13161	18.84876	0.0751815	0.21103713	2.7940240	20	9 27.3	19.2
84706 2002 VF_{119}	15.7	X	3.20633	351.37222	14.66994	5.17937	0.1906942	0.27501547	2.3418800	20	12 16.3	18.3
84707 2002 VJ_{119}	15.2	X	250.04291	102.34548	20.99256	5.69540	0.1672842	0.21406179	2.7676423	20	10 16.9	19.1
84708 2002 VU_{119}	14.6	X	258.57725	88.04109	62.99442	14.17715	0.0742553	0.21868548	2.7284924	20	12 16.7	18.3
84709 2002 VW_{120}	12.1	X	224.84880	74.53213	279.44919	14.82754	0.0672874	0.08237139	5.2314063	20	4 15.2	19.4
84710 2002 VE_{121}	15.1	X	316.05132	338.75424	35.02313	14.92442	0.0344742	0.21097102	2.7946076	20	9 20.3	18.9
84711 2002 VH_{121}	15.3	X	37.39691	55.67793	332.36155	5.29125	0.0694281	0.22637062	2.6663839	20	—	—
84712 2002 VY_{121}	15.2	X	314.14740	272.28074	272.37414	15.52761	0.1922908	0.23584783	2.5944668	20	—	—
84713 2002 VM_{122}	15.9	X	135.67038	351.45457	307.11405	6.98382	0.1516174	0.28659382	2.2783730	20	—	—
84714 2002 VE_{123}	15.3	X	88.01363	155.52917	294.15174	8.21842	0.1958832	0.24206025	2.5498838	20	3 19.5	18.7
84715 2002 VT_{124}	16.2	X	33.42337	270.43075	117.16618	6.66841	0.0780576	0.28284999	2.2984335	20	—	—
84716 2002 VK_{127}	14.8	X	42.72487	121.59215	19.10176	8.85829	0.0323647	0.18761283	3.0219993	20	3 12.9	18.8
84717 2002 VD_{128}	14.7	X	67.70293	355.93587	298.15410	12.72213	0.1461676	0.22224065	2.6993159	20	11 13.8	18.9
84718 2002 VQ_{128}	15.6	X	36.53881	5.65990	70.34049	9.02542	0.0666246	0.23217799	2.6217343	20	—	—
84719 2002 VR_{128}	4.9	X	79.25580	287.97558	23.05745	14.00905	0.2672740	0.00398831	39.3800891	20	11 20.8	21.0
84720 2002 WT_{2}	14.6	X	336.32984	325.15776	205.79538	14.23182	0.0780685	0.18077960	3.0976791	20	1 13.7	19.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
84721 2002 WU_2	15.7	X	284.12135	2.57087	100.95437	7.25346	0.0242767	0.21940627	2.7225134	20	11 28.9	19.2
84722 2002 WV_2	14.6	X	22.86737	95.78983	24.53089	22.54456	0.0518456	0.23345353	2.6121759	20	1 15.0	18.4
84723 2002 WQ_3	14.8	X	253.20097	179.15041	70.35963	15.37322	0.1206386	0.23819542	2.5773918	20	—	—
84724 2002 WS_3	15.6	X	263.32581	238.65675	118.96760	3.29755	0.0633196	0.20091466	2.8870987	20	6 5.8	19.6
84725 2002 WB_4	16.4	X	7.87962	287.21572	125.13372	3.03112	0.0796492	0.22443446	2.6816969	20	—	—
84726 2002 WJ_6	14.6	X	121.81510	168.46452	279.42124	8.32619	0.0261617	0.19280609	2.9674874	20	4 8.9	19.0
84727 2002 WL_6	15.7	X	248.29250	235.64982	279.57235	2.33849	0.1821913	0.21986447	2.7187296	20	11 23.2	19.3
84728 2002 WZ_7	15.3	X	141.65564	192.66624	211.49613	1.23106	0.1039915	0.18858026	3.0116551	20	3 21.3	19.9
84729 2002 WP_8	15.9	X	203.79074	53.49661	209.35059	5.54397	0.0820471	0.28813634	2.2702344	20	—	—
84730 2002 WB_{10}	15.5	X	56.11367	5.47905	79.84733	14.79545	0.0913882	0.23663530	2.5887078	20	1 15.4	18.6
84731 2002 WP_{10}	15.4	X	21.49366	35.13206	117.20306	4.99621	0.1507681	0.23936187	2.5690116	20	2 18.5	17.9
84732 2002 WT_{10}	15.9	X	210.50154	216.34166	169.89586	6.90172	0.0965770	0.25346851	2.4727870	20	5 8.8	19.6
84733 2002 WS_{11}	15.2	X	38.49237	294.71704	108.45210	15.38011	0.1032911	0.22830372	2.6513113	20	—	—
84734 2002 WX_{11}	15.2	X	50.59427	287.26139	186.12877	13.36967	0.1388261	0.23827222	2.5768380	20	2 13.6	18.1
84735 2002 WO_{12}	15.6	X	116.88174	281.16856	163.34430	15.29091	0.0225451	0.24546914	2.5262216	20	3 31.6	19.0
84736 2002 WS_{12}	14.7	X	27.67242	227.60219	197.96296	16.86110	0.1323458	0.17328155	3.1864065	20	—	—
84737 2002 WZ_{12}	16.0	X	176.33647	342.57088	57.05440	22.47576	0.1091392	0.36619526	1.9349106	20	4 21.2	18.7
84738 2002 WG_{13}	14.5	X	56.08772	26.80528	109.12001	13.55211	0.1021070	0.18907635	3.0063849	20	4 5.8	18.6
84739 2002 WS_{15}	15.1	X	313.75135	19.46092	100.94302	9.75311	0.0770838	0.22565988	2.6719797	20	—	—
84740 2002 WW_{15}	15.6	X	249.47262	345.40780	146.62469	4.86840	0.0612200	0.21808001	2.7335403	20	11 14.7	19.3
84741 2002 WW_{16}	14.9	X	123.35287	114.28398	218.84920	13.59827	0.0946209	0.23060787	2.6336212	20	—	—
84742 2002 WF_{17}	16.0	X	30.31775	224.78015	135.90971	7.50461	0.1312620	0.27712914	2.3299571	20	—	—
84743 2002 XY_1	15.1	X	4.37080	288.79481	175.95297	5.20462	0.1188746	0.17456556	3.1707622	20	—	—
84744 2002 XX_2	14.1	X	85.35855	284.74996	93.53021	17.34964	0.2506133	0.17852753	3.1236756	20	1 6.9	18.1
84745 2002 XL_4	14.0	X	111.61140	104.77483	273.57806	13.82686	0.1349176	0.23717831	2.5847551	20	1 12.1	17.3
84746 2002 XR_6	16.7	X	141.40061	276.63837	69.04967	1.72561	0.1034590	0.29405321	2.2396772	20	—	—
84747 2002 XX_7	14.1	X	290.48119	140.38850	63.88100	15.00987	0.1492599	0.17855912	3.1233071	20	—	—
84748 2002 XQ_9	16.2	X	15.10504	314.61971	64.05970	2.71370	0.0604202	0.27700315	2.3306635	20	12 31.6	18.9
84749 2002 XA_{10}	15.0	X	332.72330	176.48494	240.65442	4.28220	0.1417644	0.21768192	2.7368719	20	12 8.4	17.7
84750 2002 XN_{10}	15.3	X	59.42290	210.25467	266.30743	11.81791	0.1245048	0.24299124	2.5433667	20	2 27.4	18.5
84751 2002 XM_{11}	15.6	X	111.99273	294.80990	22.35076	11.11520	0.1516301	0.28546327	2.2843846	20	—	—
84752 2002 XT_{11}	14.5	X	144.87631	344.43667	322.44228	8.26929	0.1273177	0.23206648	2.6225741	20	—	—
84753 2002 XA_{16}	15.6	X	294.67173	345.92683	324.43923	9.70801	0.1956491	0.25802815	2.4435693	20	4 17.3	18.9
84754 2002 XP_{18}	15.2	X	19.40312	137.94102	259.28079	7.39743	0.1635586	0.22397385	2.6853723	20	—	—
84755 2002 XZ_{18}	14.6	X	165.57701	155.49560	70.93112	14.86516	0.0974746	0.21344540	2.7729680	20	11 29.1	18.7
84756 2002 XM_{19}	16.1	X	269.43611	148.38669	38.44700	7.93320	0.1261070	0.28575469	2.2828312	20	—	—
84757 2002 XN_{20}	15.5	X	147.36295	295.34727	22.82614	2.86081	0.0734148	0.23346110	2.6121194	20	—	—
84758 2002 XT_{20}	15.8	X	148.23276	322.68528	318.66096	4.70721	0.1421693	0.28430368	2.2905919	20	—	—
84759 2002 XR_{22}	15.0	X	117.83802	31.78039	275.81621	10.93241	0.1920057	0.22732818	2.6588910	20	—	—
84760 2002 XS_{22}	15.5	X	188.16889	135.49076	50.58531	5.58585	0.0850326	0.21446887	2.7641390	20	11 4.6	19.6
84761 2002 XJ_{24}	15.6	X	230.57877	259.38829	70.44383	3.38203	0.0555055	0.24578280	2.5240719	20	3 21.7	19.2
84762 2002 XL_{26}	15.7	X	311.09425	220.35995	310.11110	13.55326	0.0443546	0.23538948	2.5978337	20	—	—
84763 2002 XS_{26}	15.2	X	320.35135	152.11091	3.17774	15.83860	0.0915916	0.23280819	2.6170009	20	—	—
84764 2002 XC_{30}	14.8	X	93.01398	220.14767	90.47654	13.73852	0.1676579	0.22323362	2.6913054	20	—	—
84765 2002 XE_{32}	15.6	X	25.82945	107.54606	16.54890	5.42140	0.1421372	0.17893757	3.1189017	20	2 1.2	19.2
84766 2002 XM_{32}	15.4	X	36.37640	63.50091	3.61224	5.68884	0.0761412	0.22955296	2.6416835	20	—	—
84767 2002 XL_{33}	15.5	X	359.52961	15.44732	69.20393	13.81944	0.1496592	0.22935346	2.6432152	20	—	—
84768 2002 XA_{36}	15.2	X	260.82760	75.78913	73.77816	5.92719	0.1008743	0.21994211	2.7180898	20	12 15.6	18.7
84769 2002 XW_{36}	15.3	X	302.13474	148.82472	23.03598	7.06290	0.0795329	0.23093299	2.6311487	20	—	—
84770 2002 XX_{36}	14.6	X	121.21651	58.40892	328.06923	12.08608	0.2232831	0.23843544	2.5756618	20	2 16.3	18.3
84771 2002 XQ_{38}	15.7	X	195.81418	181.31028	325.74270	4.46152	0.0215776	0.21128492	2.7918391	20	9 28.3	19.5
84772 2002 XG_{42}	14.8	X	58.22929	204.95080	288.20091	7.70175	0.1527652	0.18371167	3.0646312	20	4 1.2	18.7
84773 2002 XN_{42}	13.8	X	166.41684	239.47669	85.48126	16.72720	0.0752851	0.17504647	3.1649522	20	1 13.3	18.6
84774 2002 XU_{51}	14.8	X	61.48224	106.67240	254.90819	13.68102	0.0357124	0.22361048	2.6882807	20	—	—
84775 2002 XW_{51}	15.4	X	314.47715	311.25685	87.53761	7.70285	0.0568388	0.21280793	2.7785028	20	10 17.2	19.0
84776 2002 XP_{56}	14.7	X	61.08246	97.65240	316.77972	13.15478	0.1840809	0.23455438	2.6039962	20	—	—
84777 2002 XY_{56}	15.7	X	33.89923	113.70807	251.18131	5.99250	0.1309365	0.27714501	2.3298681	20	—	—
84778 2002 XP_{59}	15.4	X	322.44487	29.65360	284.00104	4.43569	0.1504151	0.25848221	2.4407068	20	6 22.5	17.6
84779 2002 XQ_{59}	15.1	X	271.12101	35.24631	96.56065	10.75159	0.0593900	0.21670003	2.7451331	20	12 12.4	18.6
84780 2002 XN_{60}	15.8	X	95.36264	350.66024	259.98048	3.76114	0.0516370	0.26795827	2.3828202	20	10 20.4	18.9
84781 2002 XA_{71}	15.3	X	115.58391	337.36602	44.56512	2.39888	0.2049367	0.23675814	2.5878123	20	2 3.0	18.8
84782 2002 XE_{73}	15.6	X	48.19385	295.51481	1.38602	3.76107	0.1474172	0.26995527	2.3710544	20	11 5.9	18.7
84783 2002 XF_{74}	15.4	X	131.40884	265.27528	48.63534	7.19139	0.1539697	0.28534120	2.2850361	20	—	—
84784 2002 XH_{74}	14.8	X	317.16407	282.49297	56.71784	11.20233	0.1810127	0.20634903	2.8361842	20	7 15.1	18.1
84785 2002 XZ_{74}	15.5	X	13.73167	22.01613	307.67789	5.79304	0.1470842	0.26928846	2.3749669	20	10 31.2	18.1
84786 2002 XF_{77}	16.0	X	121.99685	202.25438	60.24863	7.85852	0.0781147	0.27368282	2.3494760	20	12 9.5	19.2
84787 2002 XZ_{78}	13.7	X	319.65729	89.57384	86.96930	22.74874	0.0211218	0.17485785	3.1672277	20	1 9.8	18.3
84788 2002 XH_{79}	14.7	X	6.24472	75.96584	47.85542	5.89653	0.1422187	0.17341822	3.1847320	20	—	—
84789 2002 XF_{83}	15.1	X	122.40348	252.97560	141.95438	7.15502	0.2667317	0.24074860	2.5591370	20	3 4.7	18.9
84790 2002 XS_{83}	14.7	X	196.67104	352.35308	111.83446	16.37179	0.0910157	0.20493486	2.8492167	20	8 1.8	19.0
84791 2002 XP_{86}	15.1	X	5.27536	354.06003	72.94226	14.90623	0.0554446	0.22321594	2.6914475	20	—	—
84792 2002 XX_{86}	15.5	X	141.66158	350.49115	340.08845	5.17172	0.1681566	0.28885653	2.2664593	20	—	—
84793 2002 XZ_{86}	16.1	X	169.61761	300.15237	35.04192	6.58967	0.1221215	0.29311729	2.2444422	20	1 17.1	19.3
84794 2002 XY_{87}	14.4	X	131.55542	302.56398	27.47423	13.38722	0.1888025	0.23290796	2.6162535	20	—	—
84795 2002 XO_{89}	14.6	X	254.39625	295.22728	284.74389	13.72593	0.0444804	0.16993532	3.2280997	20	—	—
84796 2002 XZ_{89}	15.2	X	285.18866	10.62256	113.53889	10.99038	0.0788437	0.22062069	2.7125134	20	12 21.7	18.5
84797 2002 XL_{90}	15.0	X	258.46135	292.05562	171.34909	11.51759	0.2699433	0.21246852	2.7814611	20	9 17.0	19.0
84798 2002 XJ_{92}	15.3	X	121.36417	175.31565	88.85729	15.75801	0.2036079	0.27103087	2.3647771	20	12 12.7	19.2
84799 2002 XX_{100}	15.9	X	199.15599	196.18987	81.84119	5.88131	0.1357519	0.28967514	2.2621873	20	—	—
84800 2002 XP_{101}	15.1	X	357.54696	66.82804	64.77357	2.69347	0.1082626	0.17599791	3.1535354	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
84801 2002 XR_{103}	14.2	X	133.56790	3.67297	76.40041	12.38599	0.0568846	0.18995179	2.9971407	20	4 25.7	18.7
84802 2002 YC_{1}	15.0	X	19.04335	296.00901	65.51612	9.84710	0.2155139	0.27170431	2.3608679	20	—	—
84803 2002 YB_{6}	15.2	X	350.31347	205.90318	265.58908	4.44778	0.1507867	0.17126978	3.2113100	20	—	—
84804 2002 YJ_{8}	15.7	X	32.60562	146.59491	244.22285	2.88749	0.1120894	0.22425110	2.6831585	20	—	—
84805 2002 YS_{8}	14.3	X	23.96077	72.39324	98.80574	11.50412	0.0910618	0.18394977	3.0619861	20	4 1.3	18.3
84806 2002 YF_{12}	15.0	X	108.58135	312.71357	91.59759	1.83618	0.1698291	0.18256449	3.0774560	20	2 24.3	19.4
84807 2002 YK_{12}	14.5	X	329.54737	52.93792	90.66256	2.33592	0.1378673	0.17355043	3.1831144	20	—	—
84808 2002 YZ_{15}	15.0	X	131.46946	326.37972	73.61755	10.89584	0.0820000	0.18610665	3.0382822	20	3 9.2	19.6
84809 2002 YE_{16}	16.0	X	301.77015	310.57169	57.73122	4.39989	0.0904192	0.26394275	2.4069269	20	8 18.6	18.7
84810 2002 YV_{16}	15.4	X	352.33379	89.46008	37.63994	1.46343	0.2068266	0.17326779	3.1865750	20	—	—
84811 2002 YW_{16}	15.3	X	241.83367	25.02130	69.45685	5.13636	0.0699292	0.20968827	2.8059933	20	9 15.9	19.2
84812 2002 YL_{17}	15.2	X	150.78508	342.63942	127.39705	2.97635	0.0790795	0.19647492	2.9304296	20	6 19.4	19.7
84813 2002 YO_{17}	15.8	X	322.87642	299.47356	89.01854	1.77257	0.0799924	0.21286361	2.7780183	20	10 12.3	19.0
84814 2002 YU_{17}	15.7	X	100.24607	56.39778	266.58230	6.02717	0.1142984	0.28098371	2.3085996	20	—	—
84815 2002 YQ_{18}	16.2	X	186.28352	322.69494	1.64889	1.27551	0.0727168	0.29375225	2.2412067	20	1 16.2	19.1
84816 2002 YS_{18}	14.8	X	225.26601	48.68572	92.48955	12.82460	0.0583002	0.21292469	2.7774870	20	10 30.2	18.9
84817 2002 YN_{19}	14.9	X	121.95107	70.59603	276.87945	2.95548	0.2125134	0.23303518	2.6153012	20	—	—
84818 2002 YA_{20}	15.2	X	104.06339	286.33186	90.50479	3.45208	0.1786251	0.23384260	2.6092777	20	1 9.1	18.5
84819 2002 YC_{21}	15.4	X	49.79256	274.48906	146.94967	2.27077	0.1684573	0.17532018	3.1616572	20	—	—
84820 2002 YO_{21}	15.8	X	327.67776	311.82679	141.50748	2.39067	0.0477285	0.22204129	2.7009314	20	—	—
84821 2002 YR_{21}	15.7	X	226.59048	243.57159	127.35907	2.47360	0.0888675	0.25119411	2.4876909	20	5 6.4	19.2
84822 2002 YW_{21}	15.6	X	19.81144	265.89184	91.17295	7.49017	0.1363352	0.27316907	2.3524209	20	12 19.6	18.2
84823 2002 YA_{22}	14.3	X	357.74173	40.72525	88.81391	7.45014	0.1248554	0.17337669	3.1852406	20	—	—
84824 2002 YK_{24}	16.0	X	129.22734	134.87018	258.91432	1.00799	0.1681650	0.23895667	2.5719150	20	2 26.6	19.7
84825 2002 YE_{26}	15.9	X	56.90099	228.96296	103.68839	1.79933	0.2245882	0.27481216	2.3430348	20	—	—
84826 2002 YU_{34}	15.6	X	24.96831	30.42588	118.25728	4.25982	0.0619538	0.23959439	2.5673493	20	2 19.7	18.7
84827 2003 AC	14.5	X	307.10031	296.67169	137.46627	23.22644	0.1234114	0.21243847	2.7817233	20	11 21.9	18.3
84828 2003 AL	14.8	X	294.92829	231.83154	223.36969	11.57156	0.1055107	0.21639990	2.7476707	20	11 25.0	18.1
84829 2003 AN	14.5	X	61.66909	332.24589	146.17154	18.19810	0.1686002	0.18013584	3.1050550	20	3 29.9	18.6
84830 2003 AP_{4}	15.3	X	62.09070	20.37066	348.03600	12.89674	0.1877007	0.23044410	2.6348687	20	—	—
84831 2003 AB_{5}	15.0	X	153.72094	293.23914	119.54033	10.88051	0.1068748	0.18968646	2.9999349	20	4 18.6	19.8
84832 2003 AD_{8}	13.8	X	348.13187	34.50441	18.20740	13.12379	0.2534329	0.22047035	2.7137464	20	—	—
84833 2003 AF_{9}	14.5	X	303.60740	49.30884	301.73720	22.58681	0.2567139	0.26063472	2.4272502	20	6 29.3	17.2
84834 2003 AZ_{9}	15.1	X	315.40907	238.34333	168.15612	9.13946	0.1606419	0.21469348	2.7622108	20	10 22.7	18.0
84835 2003 AA_{10}	13.6	X	295.43867	63.91493	119.63558	23.43215	0.1572440	0.17081346	3.2170267	20	—	—
84836 2003 AF_{10}	14.6	X	132.12459	330.81787	126.54482	12.06333	0.0653961	0.19211655	2.9745837	20	5 16.0	19.1
84837 2003 AT_{10}	14.5	X	2.68730	219.22213	144.66926	8.60437	0.2417984	0.21659010	2.7460619	20	12 3.9	17.5
84838 2003 AU_{10}	14.8	X	322.69426	292.11777	134.41166	12.39954	0.1600506	0.21730633	2.7400247	20	12 5.6	17.9
84839 2003 AG_{12}	15.1	X	234.69885	72.40447	147.01122	11.02412	0.1537197	0.22342205	2.6897920	20	—	—
84840 2003 AT_{12}	15.8	X	352.64402	216.68467	177.91434	6.59020	0.1208245	0.27325541	2.3519254	20	12 27.9	18.4
84841 2003 AL_{14}	14.7	X	176.44440	305.81435	97.25392	14.01739	0.1714416	0.19719125	2.9233285	20	5 1.3	19.7
84842 2003 AS_{17}	14.4	X	43.59204	37.94416	92.80458	17.82415	0.0759091	0.17719122	3.1393609	20	3 11.8	18.8
84843 2003 AO_{20}	14.4	X	134.60518	215.13262	128.56505	23.58025	0.0684354	0.17017375	3.2250838	20	1 2.4	19.3
84844 2003 AL_{22}	15.2	X	154.07241	338.12912	272.87616	8.14834	0.1001270	0.21444002	2.7643869	20	12 16.8	19.5
84845 2003 AV_{22}	14.6	X	212.59908	163.72483	144.18513	15.21165	0.0871719	0.23086113	2.6316947	20	2 1.3	18.5
84846 2003 AN_{23}	15.2	X	338.87223	21.98024	93.16535	15.18689	0.0835355	0.22693771	2.6619400	20	—	—
84847 2003 AW_{28}	14.9	X	111.67404	297.75738	120.32901	12.93200	0.1038067	0.17972391	3.1097977	20	3 10.3	19.5
84848 2003 AP_{31}	15.5	X	271.43815	282.98511	58.82308	6.79843	0.1517458	0.25385199	2.4702960	20	5 12.4	18.6
84849 2003 AP_{34}	14.9	X	294.12908	81.43962	115.83096	13.87075	0.1380735	0.23060395	2.6336510	20	—	—
84850 2003 AR_{35}	15.3	X	17.12578	249.44038	111.56981	7.14597	0.1383266	0.27319713	2.3522598	20	12 21.7	18.0
84851 2003 AE_{36}	14.7	X	225.97781	126.96267	107.04197	23.09961	0.2107625	0.28192689	2.3034478	20	—	—
84852 2003 AN_{38}	14.6	X	2.50667	72.79761	144.44018	9.79738	0.0783114	0.18446592	3.0562717	20	4 25.5	18.6
84853 2003 AE_{39}	14.1	X	39.02579	343.91427	125.56244	17.42561	0.2221673	0.17619996	3.1511242	20	2 10.9	17.4
84854 2003 AX_{44}	15.8	X	25.01360	307.33157	22.88758	2.77713	0.2107196	0.26960594	2.3731020	20	11 30.7	18.6
84855 2003 AR_{45}	15.4	X	220.25579	323.54442	75.60612	5.68663	0.0435066	0.25152414	2.4855143	20	6 9.1	18.8
84856 2003 AY_{47}	13.9	X	344.82153	187.66686	306.07397	16.90817	0.0799743	0.17095744	3.2152201	20	—	—
84857 2003 AH_{49}	14.9	X	178.54575	149.17917	97.37504	18.10356	0.2187569	0.21658679	2.7460898	20	12 27.9	19.3
84858 2003 AC_{52}	14.7	X	243.13261	249.79398	103.12802	11.25758	0.0257697	0.18940724	3.0028825	20	5 13.8	19.1
84859 2003 AY_{64}	15.6	X	130.92499	343.05918	26.88751	9.93865	0.1659054	0.29162131	2.2521114	20	1 25.8	18.6
84860 2003 AJ_{65}	14.9	X	304.32219	43.60718	60.29664	13.48969	0.1232073	0.21719617	2.7409510	20	12 19.9	18.0
84861 2003 AG_{72}	14.8	X	9.00818	22.93019	49.02082	16.07515	0.0994285	0.22331488	2.6906525	20	—	—
84862 2003 AU_{73}	15.5	X	227.14697	282.96775	32.15180	8.07960	0.1762257	0.29807409	2.2194902	20	2 19.7	19.1
84863 2003 AF_{76}	14.1	X	133.89617	351.22588	342.93624	18.58540	0.1226034	0.17079631	3.2172420	20	—	—
84864 2003 AM_{84}	15.1	X	173.41499	199.54291	196.90526	12.11971	0.1285976	0.24607324	2.5220854	20	4 11.9	18.8
84865 2003 BM_{7}	14.8	X	181.71000	225.19369	117.57333	15.76593	0.1245059	0.24236818	2.5477236	20	2 14.9	18.8
84866 2003 BR_{8}	14.6	X	12.43258	79.46306	140.36092	9.74637	0.1648672	0.18482766	3.0522826	20	5 16.8	18.1
84867 2003 BX_{13}	14.8	X	82.52501	25.42633	159.65334	11.76260	0.0645531	0.19108785	2.9852497	20	7 2.7	19.1
84868 2003 BX_{17}	15.0	X	268.59407	152.01085	142.00246	6.22825	0.2099021	0.23614177	2.5923134	20	3 2.9	18.9
84869 2003 BD_{22}	14.7	X	28.82446	292.55975	198.68738	19.29477	0.1772269	0.18209553	3.0827374	20	2 9.4	18.5
84870 2003 BB_{24}	14.5	X	307.82732	81.65523	173.98568	16.13178	0.1527940	0.17934373	3.1141910	20	3 12.3	18.5
84871 2003 BV_{28}	15.4	X	113.21896	237.13920	176.70903	14.75557	0.2588686	0.24108050	2.5567876	20	3 17.0	19.1
84872 2003 BM_{36}	14.4	X	259.00225	324.60541	309.45752	10.49403	0.0289723	0.17693851	3.1423493	20	2 19.9	19.0
84873 2003 BW_{55}	14.1	X	191.76676	64.43016	160.32521	10.62191	0.0591033	0.15603355	3.4170977	20	12 15.7	19.4
84874 2003 BO_{64}	14.5	X	169.72264	351.69281	347.55348	14.79980	0.0850977	0.17428963	3.1741079	20	2 6.7	19.4
84875 2003 BW_{68}	14.2	X	250.31019	139.16816	138.15607	7.99801	0.0927660	0.17091554	3.2157456	20	2 10.7	19.1
84876 2003 BN_{71}	13.8	X	48.22527	235.71707	147.59818	16.21097	0.2940362	0.17421353	3.1750321	20	—	—
84877 2003 BT_{79}	15.2	X	27.10636	339.70915	23.05713	5.92890	0.2432016	0.27247739	2.3564003	20	—	—
84878 2003 BV_{88}	14.9	X	77.68528	322.63760	93.58494	14.98065	0.1708687	0.23925555	2.5697726	20	1 20.2	17.8
84879 2003 BX_{88}	14.8	X	39.68310	37.32795	194.63986	12.76663	0.1081852	0.19137501	2.9822627	20	7 9.7	18.9
84880 2003 CF_{6}	15.0	X	230.76881	190.29147	123.22860	14.07028	0.1571992	0.23469481	2.6029574	20	2 26.3	19.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
84881 2003 CF_{11}	14.5	X	354.42070	345.54106	153.14583	19.72126	0.1043601	0.17161538	3.2069972	20	1 2.0	18.9
84882 Table Mountain	14.6	X	103.11193	349.83378	20.47787	13.85673	0.2935769	0.23039683	2.6352291	20	1 21.4	18.4
84883 2003 DC_{22}	13.9	X	240.43201	132.86595	147.11237	21.23667	0.0570308	0.16858079	3.2453684	20	2 6.1	18.8
84884 Dorismcmillan	14.2	X	212.74290	128.81404	190.79808	13.27236	0.0832957	0.16957282	3.2326987	20	2 20.0	19.4
84885 2003 FT_{32}	16.4	X	123.40166	159.09520	119.44870	2.09863	0.1885303	0.26054678	2.4277963	20	12 29.2	20.3
84886 2003 FE_{102}	15.7	X	318.07578	174.13282	83.18190	7.99113	0.0692377	0.23171184	2.6252494	20	4 9.6	19.1
84887 2003 HL_{7}	15.6	X	120.04263	117.76986	182.28928	1.83375	0.0694229	0.20437201	2.8544457	20	—	—
84888 2003 MA_{9}	14.9	X	7.80294	130.82234	195.58802	9.16475	0.1009921	0.18050704	3.1007967	20	9 23.3	18.8
84889 2003 NQ_{8}	14.3	X	9.20709	259.76559	110.27373	10.73715	0.3030565	0.18265396	3.0764509	20	12 20.6	17.8
84890 2003 NP_{9}	15.1	X	63.25322	178.86994	237.60536	21.11588	0.0217996	0.37073249	1.9190912	20	—	—
84891 2003 OH_{14}	14.7	X	94.47542	122.15725	271.48162	21.56985	0.3090043	0.25678091	2.4514755	20	1 26.8	17.9
84892 2003 QD_{79}	14.1	X	327.75570	60.05751	11.58519	13.38847	0.2883234	0.17353310	3.1833263	20	11 30.3	17.1
84893 2003 SM_{98}	14.7	X	227.34906	281.18419	255.41200	6.87664	0.0937142	0.18306967	3.0717918	20	11 28.8	19.0
84894 2003 SJ_{182}	14.6	X	181.74464	181.00566	187.73549	15.18285	0.1698903	0.20356928	2.8619446	20	3 19.0	19.4
84895 2003 SD_{252}	14.7	X	341.73279	9.04590	26.53411	4.58737	0.1984124	0.17349085	3.1838432	20	11 13.3	18.1
84896 2003 SM_{252}	15.0	X	60.49695	233.24367	225.67619	3.05403	0.1827451	0.19208872	2.9748710	20	2 26.2	18.5
84897 2003 SV_{296}	14.4	X	66.10630	25.56510	358.38811	9.95256	0.2208199	0.24033825	2.5620491	20	—	—
84898 2003 SW_{296}	13.7	X	42.47980	326.08867	68.19093	28.42375	0.1448232	0.17744773	3.1363348	20	—	—
84899 2003 SQ_{299}	14.8	X	305.35597	164.74109	299.62111	13.41160	0.0706061	0.23745556	2.5827427	20	—	—
84900 2003 SH_{306}	14.6	X	341.76283	320.27533	349.26596	11.37754	0.1914563	0.22352535	2.6889632	20	7 26.6	17.2
84901 2003 TF_{13}	14.4	X	291.54798	168.56793	314.83774	22.03898	0.0985019	0.23899362	2.5716499	20	—	—
84902 Porrentruy	14.2	X	28.91581	321.14640	47.67839	1.29402	0.1660261	0.17822613	3.1271962	20	12 25.1	18.4
84903 2003 UM_{38}	14.1	X	181.10627	114.04040	254.14731	12.97909	0.1755731	0.20426065	2.8554830	20	3 12.6	19.1
84904 2003 UD_{57}	14.4	X	56.40790	296.67164	71.16423	10.08829	0.0844123	0.18036188	3.1024602	20	—	—
84905 2003 UD_{98}	14.0	X	216.44406	323.99348	93.32539	13.50700	0.0792232	0.15511911	3.4305138	20	6 23.3	19.1
84906 2003 UU_{132}	15.0	X	10.22550	58.44379	350.69318	6.38284	0.1478899	0.18026235	3.1036020	20	—	—
84907 2003 UQ_{138}	14.5	X	73.93711	306.52916	90.55811	12.50282	0.1452357	0.18872483	3.0101168	20	—	—
84908 2003 UR_{138}	14.0	X	25.08206	291.06675	67.78684	15.70864	0.2866696	0.23074765	2.6325574	20	—	—
84909 2003 US_{138}	15.0	X	348.20935	45.87300	58.75695	12.94473	0.1302313	0.23697291	2.5862485	20	—	—
84910 2003 UG_{190}	15.3	X	317.13281	152.40258	286.48972	11.67688	0.2610612	0.22936282	2.6431432	20	12 15.7	17.3
84911 2003 UH_{190}	14.1	X	57.05690	335.48620	89.70359	18.43982	0.1792633	0.18393901	3.0621056	20	1 10.1	17.7
84912 2003 UP_{222}	14.1	X	247.56311	107.45885	35.45663	12.08326	0.1907425	0.23080093	2.6321523	20	11 6.8	17.7
84913 2003 UG_{226}	14.3	X	21.52346	341.92364	68.17588	12.96416	0.2300507	0.17854505	3.1234712	20	—	—
84914 2003 UP_{235}	14.9	X	348.40410	76.11961	287.11813	3.76071	0.0984335	0.22125111	2.7073584	20	10 18.9	18.0
84915 2003 UT_{247}	14.3	X	318.77594	247.27751	279.09029	16.71849	0.1352944	0.17908305	3.1172123	20	—	—
84916 2003 UO_{251}	14.8	X	35.08237	185.63974	101.50574	10.26268	0.1317775	0.21404662	2.7677730	20	9 29.8	18.5
84917 2003 UX_{259}	16.0	X	249.42845	283.47179	111.35844	3.19923	0.2300240	0.27586641	2.3370617	20	6 17.2	19.4
84918 2003 UQ_{260}	14.4	X	223.47558	201.43491	284.58181	12.70926	0.1398577	0.21955359	2.7212954	20	9 16.6	18.8
84919 Karinthy	15.2	X	185.29890	45.70498	48.18231	13.16334	0.1288610	0.20850744	2.8165773	20	7 6.3	19.8
84920 2003 VM_{1}	15.0	X	251.12168	235.63109	261.31939	11.93671	0.1271127	0.22415167	2.6839519	20	11 11.6	18.6
84921 Morkolab	14.9	X	28.00446	14.69783	41.15416	12.14122	0.2702924	0.23983545	2.5656286	20	—	—
84922 2003 VS_{2}	4.2	X	25.71933	110.26250	302.60068	14.82694	0.0729010	0.00400875	39.2461338	20	12 15.8	19.9
84923 2003 VZ_{3}	15.3	X	304.63878	147.88296	324.81796	7.11583	0.1338761	0.23713032	2.5851038	20	—	—
84924 2003 VB_{6}	15.0	X	324.81121	230.11313	113.49602	13.88696	0.1738455	0.22336316	2.6902647	20	8 9.3	17.7
84925 2003 VL_{9}	16.2	X	244.12837	223.29015	199.87582	1.03466	0.1303699	0.27882162	2.3205188	20	8 2.6	19.1
84926 Marywalker	15.3	X	314.63006	119.89737	228.03675	7.49514	0.0950866	0.22077475	2.7112514	20	7 30.5	18.6
84927 2003 WT_{9}	14.6	X	199.72032	164.34689	264.95400	13.66083	0.1523793	0.21332935	2.7739735	20	6 17.9	19.1
84928 Oliversacks	15.4	X	67.89941	211.14486	247.31505	1.08255	0.0341441	0.19659153	2.9292708	20	2 18.2	19.4
84929 2003 WJ_{19}	14.8	X	345.10740	206.05215	277.46510	9.19790	0.0583189	0.18627630	3.0364372	20	—	—
84930 2003 WX_{21}	12.9	X	282.98804	216.54977	254.93077	23.70110	0.2731960	0.17435656	3.1732955	20	10 17.9	17.4
84931 2003 WG_{73}	14.1	X	19.87624	357.20566	33.40974	18.15728	0.1397937	0.17818908	3.1276297	20	—	—
84932 2003 WE_{77}	15.4	X	249.63070	38.91727	358.23193	7.59485	0.2932565	0.21294038	2.7773505	20	6 11.9	20.0
84933 2003 WM_{77}	14.5	X	37.48896	22.92632	67.35927	14.38276	0.1224646	0.24107118	2.5568536	20	—	—
84934 2003 WH_{83}	14.6	X	74.97790	116.25789	300.87192	11.12211	0.2581209	0.19170242	2.9788661	20	2 6.5	18.2
84935 2003 WT_{87}	16.2	X	176.39203	269.17597	171.48223	2.01338	0.1923155	0.26930833	2.3748500	20	6 11.1	19.9
84936 2003 WJ_{121}	15.4	X	228.54792	170.77575	274.93622	8.64513	0.1498240	0.21756126	2.7378838	20	8 4.9	19.6
84937 2003 WX_{123}	16.5	X	44.00907	4.89490	344.96750	2.57836	0.1689681	0.29472412	2.2362770	20	—	—
84938 2003 WQ_{127}	14.9	X	273.08054	331.72155	55.71442	9.71822	0.1349493	0.21650472	2.7467838	20	7 19.6	18.7
84939 2003 WO_{130}	15.3	X	325.60561	3.50101	45.75478	4.30747	0.1212528	0.22982228	2.6396193	20	11 17.3	17.9
84940 2003 WL_{138}	14.5	X	85.52102	349.56338	71.66274	9.15593	0.1335119	0.19171854	2.9786991	20	2 13.1	18.5
84941 2003 WE_{142}	15.0	X	183.12450	215.77724	270.28619	6.75973	0.1701507	0.21256018	2.7806614	20	8 9.8	19.6
84942 2003 WJ_{142}	15.7	X	337.87214	92.13253	271.65343	3.24850	0.2409281	0.28603762	2.2813256	20	11 1.4	16.9
84943 Timothylinn	14.5	X	100.65539	353.24578	139.74787	26.01035	0.2171205	0.25783755	2.4447734	20	6 14.1	18.6
84944 2003 WL_{153}	14.8	X	25.14738	294.41776	157.48124	16.96521	0.2898083	0.18541510	3.0458323	20	—	—
84945 Solosky	15.0	X	37.46931	343.22278	31.53625	9.96626	0.1279687	0.23450596	2.6043547	20	—	—
84946 2003 WS_{161}	13.5	X	109.28173	231.98809	83.97356	24.11262	0.1681929	0.18286971	3.0740307	20	—	—
84947 2003 WX_{169}	14.8	X	124.41749	300.42827	83.38113	13.29553	0.2033349	0.24727699	2.5138937	20	2 17.4	18.6
84948 2003 WN_{170}	14.9	X	308.70133	111.54141	88.39679	14.85774	0.2359559	0.24056565	2.5604343	20	—	—
84949 2003 WE_{171}	14.2	X	57.90266	27.09967	38.71469	13.43249	0.1477518	0.24130322	2.5552141	20	—	—
84950 2003 XJ_{3}	14.7	X	239.25495	258.15688	99.63687	9.96683	0.2223060	0.21069359	2.7970604	20	4 26.5	19.4
84951 Kenwilson	14.4	X	157.20660	188.73079	75.88393	15.64985	0.0592205	0.23134071	2.6280563	20	—	—
84952 2003 XD_{5}	15.6	X	245.18022	164.48541	269.91583	1.31866	0.1909158	0.21471458	2.7620298	20	8 5.7	19.7
84953 2003 XE_{5}	14.9	X	63.84918	292.55505	110.54484	14.00112	0.1563161	0.24013715	2.5634793	20	—	—
84954 2003 XY_{7}	14.5	X	2.88851	353.72977	7.37537	12.79422	0.2522869	0.22841858	2.6504224	20	12 1.0	17.5
84955 2003 XB_{9}	15.2	X	239.31997	32.02406	350.54171	12.44345	0.1378339	0.21254113	2.7808275	20	5 27.6	19.7
84956 2003 XL_{11}	15.0	X	3.80136	239.79464	160.56586	8.96524	0.2344280	0.23609571	2.5926506	20	—	—
84957 2003 XN_{13}	14.8	X	128.61595	202.31514	190.47628	6.62947	0.2240055	0.19705180	2.9247075	20	3 4.8	19.4
84958 2003 XS_{13}	15.3	X	303.88419	260.51735	105.31121	3.83501	0.1046794	0.22029603	2.7151777	20	8 9.7	18.4
84959 2003 XF_{18}	14.4	X	183.15752	151.27567	72.40513	12.81251	0.1427947	0.22813808	2.6525945	20	12 12.2	18.5
84960 2003 XS_{21}	15.6	X	129.88152	110.05233	349.14023	3.58475	0.0614193	0.26127275	2.4232970	20	5 8.2	18.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
84961 2003 XU_{21}	15.4	X	237.81522	249.52327	218.37711	8.49247	0.2251645	0.22225464	2.6992026	20	9 3.3	19.6
84962 2003 YM_{9}	14.0	X	305.60853	247.42929	285.91352	21.90386	0.1728037	0.17936387	3.1139579	20	—	—
84963 2003 YN_{13}	14.8	X	139.27419	221.45472	94.97497	13.23808	0.1304956	0.23826092	2.5769194	20	—	—
84964 2003 YF_{14}	15.0	X	270.96275	96.52083	50.88027	11.14537	0.1001798	0.23163847	2.6258037	20	12 31.7	18.2
84965 2003 YV_{16}	14.6	X	296.30945	32.82042	346.48242	7.43170	0.1007529	0.21436734	2.7650117	20	8 17.1	18.0
84966 2003 YW_{16}	13.9	X	279.04829	119.54533	97.24161	17.83273	0.1871111	0.17812705	3.1283557	20	—	—
84967 2003 YX_{16}	14.8	X	296.83615	316.52152	80.30995	11.32232	0.1024684	0.21610916	2.7501345	20	9 16.4	18.4
84968 2003 YW_{17}	16.3	X	216.08218	150.82716	318.57299	2.97385	0.0355799	0.27595276	2.3365741	20	9 12.6	19.2
84969 2003 YB_{18}	14.5	X	279.93402	46.01959	123.47513	5.43476	0.1069962	0.17444806	3.1721859	20	—	—
84970 2003 YA_{23}	15.7	X	64.19797	58.12096	126.24267	6.99883	0.0520658	0.26185361	2.4197120	20	6 7.4	18.7
84971 2003 YZ_{23}	15.5	X	138.34474	134.19080	341.75012	9.04546	0.1569993	0.26561701	2.3968018	20	6 20.0	19.3
84972 2003 YM_{28}	13.8	X	230.23624	133.30723	112.17376	27.93606	0.1319297	0.17702354	3.1413430	20	—	—
84973 2003 YO_{28}	14.8	X	239.69074	102.20760	67.20223	2.23047	0.1324412	0.17271061	3.1934248	20	11 27.3	19.2
84974 2003 YB_{39}	16.0	X	116.83743	270.44848	316.53874	4.27505	0.0759241	0.27685132	2.3315155	20	10 17.3	19.4
84975 2003 YG_{43}	16.0	X	274.27110	340.70062	111.68077	7.16843	0.0973161	0.28388027	2.2928690	20	11 9.2	18.4
84976 2003 YM_{43}	14.6	X	314.82528	18.26360	128.03747	5.86142	0.1278736	0.17667445	3.1454797	20	—	—
84977 2003 YN_{53}	15.3	X	179.10359	312.78795	86.59082	3.21018	0.0772559	0.20476603	2.8507827	20	4 22.9	19.5
84978 2003 YY_{53}	15.5	X	291.45298	295.18342	72.97566	5.48617	0.1050700	0.21856383	2.7295047	20	7 24.2	18.9
84979 2003 YU_{64}	16.3	X	59.08423	213.75388	211.31472	2.75112	0.0925579	0.30433743	2.1889330	20	—	—
84980 2003 YZ_{64}	14.5	X	264.68602	46.33615	125.51631	5.78627	0.0857464	0.17210886	3.2008640	20	—	—
84981 2003 YB_{65}	14.6	X	17.73473	349.96384	119.08767	17.64060	0.0328803	0.18169159	3.0873047	20	—	—
84982 2003 YM_{65}	15.3	X	321.49423	266.15295	114.42085	15.57603	0.1778625	0.22070088	2.7118563	20	10 3.7	18.3
84983 2003 YO_{65}	16.2	X	172.05058	5.61256	129.97747	3.86509	0.1133078	0.27200963	2.3591010	20	8 20.1	19.5
84984 2003 YL_{66}	15.8	X	77.57139	312.37705	244.95614	5.23861	0.0595814	0.26477023	2.4019093	20	7 15.2	18.8
84985 2003 YU_{66}	14.7	X	295.54759	282.54375	129.08950	16.34807	0.2779837	0.21918149	2.7243744	20	9 5.7	17.6
84986 2003 YC_{83}	15.2	X	192.15821	256.00796	85.83956	9.27760	0.0218434	0.25197123	2.4825733	20	2 21.9	18.6
84987 2003 YK_{83}	14.8	X	345.11435	154.21455	252.35847	14.49313	0.1458305	0.23235334	2.6204152	20	12 20.8	17.6
84988 2003 YY_{88}	14.3	X	6.32440	56.40121	97.65679	16.32213	0.1281012	0.18341615	3.0679221	20	2 6.7	18.1
84989 2003 YD_{89}	16.0	X	240.12291	23.17562	107.77285	7.44723	0.0500323	0.28232276	2.3012941	20	11 17.6	18.7
84990 2003 YC_{90}	15.7	X	335.71769	326.69810	96.39116	3.30838	0.0863174	0.22921195	2.6443029	20	12 21.6	18.7
84991 Bettyphilpotts	15.3	X	223.37935	274.66447	269.63050	9.47770	0.1118656	0.22607714	2.6686909	20	12 10.8	18.9
84992 2003 YM_{100}	14.8	X	20.61193	86.69742	95.54865	11.20678	0.0418555	0.19328671	2.9625661	20	4 7.9	18.9
84993 2003 YL_{102}	15.9	X	299.34506	182.46674	120.95731	8.18779	0.0376185	0.26296444	2.4128928	20	5 18.2	19.0
84994 Amysimon	14.8	X	310.07261	228.88493	131.48403	13.09648	0.1513290	0.21405259	2.7677215	20	8 4.9	17.9
84995 Zselic	14.7	X	91.85547	303.36372	91.88835	12.09260	0.1083712	0.18524661	3.0476789	20	1 15.0	18.8
84996 Hortobágy	15.0	X	292.32796	163.62497	86.67411	9.03184	0.0955039	0.19101338	2.9860256	20	2 26.0	19.3
84997 2003 YP_{118}	15.0	X	246.90109	170.38882	310.36588	16.43454	0.2062616	0.22329227	2.6908341	20	9 26.4	19.2
84998 2003 YD_{123}	14.8	X	83.68987	351.81810	107.74921	10.40059	0.0677650	0.19097937	2.9863801	20	3 21.7	19.0
84999 2003 YM_{123}	15.8	X	334.70059	244.21315	156.91266	3.08431	0.2462580	0.22761562	2.6566520	20	12 1.7	17.8
85000 2003 YA_{125}	15.0	X	358.40441	1.02909	42.12114	13.88937	0.1827661	0.23215508	2.6219068	20	—	—
85001 2003 YP_{128}	17.0	X	218.46466	38.14823	45.16141	6.67623	0.1838320	0.27303256	2.3532049	20	7 26.8	20.6
85002 2003 YT_{138}	16.4	X	163.63122	88.47455	16.97677	3.46448	0.2149789	0.26426580	2.4049649	20	7 2.2	20.4
85003 2003 YR_{142}	14.9	X	69.98166	221.66028	64.54952	15.86015	0.0605207	0.22208308	2.7005925	20	11 2.9	18.7
85004 Crombie	16.1	X	276.34932	61.17916	20.88025	13.02189	0.0507338	0.28023510	2.3127092	20	10 28.1	18.6
85005 2003 YF_{154}	15.5	X	312.94682	61.59274	44.64944	12.09685	0.1052391	0.23091829	2.6312604	20	—	—
85006 2003 YU_{154}	15.1	X	38.64580	23.40493	82.00208	15.50368	0.3109780	0.18393350	3.0621666	20	2 16.7	18.0
85007 2004 AK_{3}	14.9	X	236.31358	137.48381	94.56842	13.20271	0.1326009	0.23651701	2.5895709	20	—	—
85008 2004 BL_{3}	14.9	X	295.47871	176.56789	9.45041	1.11530	0.1020366	0.17800200	3.1298207	20	—	—
85009 2004 BL_{4}	15.7	X	44.97621	249.37303	108.12882	5.14870	0.1266947	0.22846600	2.6500557	20	—	—
85010 2004 BY_{9}	16.0	X	36.11020	291.21740	97.90522	4.64821	0.1930563	0.23362878	2.6108694	20	—	—
85011 2004 BA_{16}	15.4	X	208.74993	49.56254	100.39846	5.20773	0.0406923	0.21779549	2.7359205	20	10 21.2	19.2
85012 2004 BY_{27}	16.8	X	13.77744	347.77813	112.26258	6.43663	0.0812999	0.29923986	2.2137220	20	—	—
85013 2004 BO_{36}	15.4	X	136.36717	312.46374	62.77850	1.80259	0.0376197	0.18552477	3.0446318	20	2 3.9	19.6
85014 Sutter	15.2	X	210.29470	173.04325	328.41907	12.89847	0.1118116	0.21616319	2.7496762	20	9 26.2	19.5
85015 Gaskell	16.2	X	162.28364	113.36829	18.95939	1.82818	0.1356082	0.26718360	2.3874238	20	8 5.0	19.8
85016 2004 BW_{42}	14.4	X	262.85360	264.06948	132.22888	15.29600	0.2672034	0.20997359	2.8034507	20	6 27.9	18.8
85017 2004 BH_{52}	14.9	X	312.65221	29.44544	137.68857	2.23119	0.1130781	0.17705651	3.1409530	20	—	—
85018 2004 BL_{54}	15.6	X	260.59294	105.56212	117.64636	5.64000	0.0388033	0.23939485	2.5687757	20	—	—
85019 2039 P–L	16.3	X	25.60203	189.61106	213.17983	4.83351	0.3024436	0.23345280	2.6121813	20	—	—
85020 2057 P–L	16.6	X	326.60039	45.05055	330.45486	4.71024	0.1631817	0.27946516	2.3169550	20	10 13.3	18.4
85021 2067 P–L	15.1	X	124.46099	294.88490	336.03922	3.30023	0.2202920	0.21719147	2.7409905	20	12 14.3	19.9
85022 2068 P–L	15.1	X	40.64570	39.18828	317.87887	4.15963	0.0902432	0.21606854	2.7504792	20	12 24.7	18.9
85023 2087 P–L	14.6	X	305.32151	141.33025	207.49334	11.47067	0.0751720	0.19465037	2.9487134	20	7 17.0	18.7
85024 2224 P–L	16.6	X	129.65160	110.28874	309.24759	1.68804	0.0854150	0.30527832	2.1844331	20	3 14.5	19.1
85025 2544 P–L	15.0	X	244.30805	353.30044	8.71841	11.68005	0.1203055	0.19294876	2.9660244	20	5 8.5	19.7
85026 2653 P–L	14.8	X	150.87548	335.92280	355.66763	4.65472	0.1244880	0.17088867	3.2160827	20	1 10.5	19.8
85027 2677 P–L	16.3	X	127.00880	53.41663	30.95386	4.27954	0.1014852	0.25660022	2.4526262	20	4 20.8	19.8
85028 2729 P–L	15.0	X	319.95910	53.13462	197.34434	4.27186	0.2093633	0.24118220	2.5560689	20	3 5.9	18.0
85029 2755 P–L	15.0	X	79.43190	342.59925	29.50695	5.45570	0.1427117	0.16982378	3.2295131	20	—	—
85030 Admetos	12.1	X	269.63661	224.40496	191.04493	22.68832	0.0847103	0.08209537	5.2431256	20	8 10.3	19.2
85031 2860 P–L	15.3	X	335.93464	56.46361	184.85389	13.16859	0.1166883	0.24128567	2.5553380	20	4 4.8	18.0
85032 3054 P–L	14.5	X	325.03703	138.91147	231.61750	8.40368	0.1713313	0.21320055	2.7750906	20	9 12.0	17.5
85033 3073 P–L	15.1	X	295.43066	73.27582	217.38050	12.72049	0.1482225	0.24188921	2.5510857	20	4 3.1	18.4
85034 3542 P–L	13.9	X	91.18343	121.67917	231.66860	13.35758	0.2248811	0.18504546	3.0498871	20	—	—
85035 4149 P–L	15.9	X	128.68170	189.31864	185.85261	3.99868	0.2117711	0.23752202	2.5822610	20	2 7.7	19.8
85036 4203 P–L	14.0	X	53.37188	299.19038	356.09005	17.58589	0.0337092	0.14814334	3.5373766	20	10 1.1	19.0
85037 4279 P–L	16.4	X	230.97055	183.25899	208.02473	5.68579	0.1396407	0.25916667	2.4364077	20	6 2.4	19.9
85038 4313 P–L	15.6	X	279.24208	74.34215	199.70195	10.42859	0.1624832	0.24045463	2.5612223	20	2 19.0	19.6
85039 4541 P–L	15.2	X	244.72105	67.52786	9.09078	8.30342	0.2238227	0.21113630	2.7931490	20	8 7.2	19.6
85040 4617 P–L	16.2	X	316.36227	30.62895	5.47525	6.05174	0.1970058	0.27975785	2.3153387	20	10 23.9	17.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
85041 4653 *P–L*	13.7	*X*	198.43399	240.03456	1.32245	21.38251	0.0431550	0.16872362	3.2435366	20	—	—
85042 4779 *P–L*	15.8	*X*	282.54091	46.73221	4.93459	3.12534	0.0852647	0.21294865	2.7772786	20	9 10.4	19.2
85043 4817 *P–L*	15.7	*X*	246.10043	241.54961	182.15713	7.30798	0.0955092	0.26105528	2.4246426	20	8 8.2	19.0
85044 4829 *P–L*	15.4	*X*	137.86295	278.95390	6.34153	8.86282	0.1753779	0.21818645	2.7326512	20	—	—
85045 5015 *P–L*	15.1	*X*	96.54760	25.36941	14.24068	13.99241	0.1751719	0.23665253	2.5885821	20	2 2.0	18.6
85046 6126 *P–L*	16.0	*X*	353.75125	10.71026	3.25385	6.05905	0.1960752	0.28087237	2.3092097	20	12 14.4	18.3
85047 Krakatau	15.9	*X*	258.46244	146.83153	186.65698	22.39843	0.0689737	0.37408852	1.9075963	20	4 22.2	18.0
85048 6265 *P–L*	15.8	*X*	78.46321	248.45383	353.43380	6.47321	0.0787140	0.26275043	2.4142028	20	9 20.8	18.8
85049 6279 *P–L*	15.9	*X*	315.51266	66.50781	352.65979	7.35811	0.1000402	0.28096517	2.3087012	20	11 27.5	18.2
85050 6572 *P–L*	16.1	*X*	329.75101	29.97804	11.09860	7.49745	0.2737869	0.28040633	2.3117676	20	12 18.0	17.5
85051 6641 *P–L*	14.6	*X*	98.88080	2.58231	7.36174	12.75462	0.1892868	0.23599059	2.5934204	20	—	—
85052 6778 *P–L*	15.0	*X*	353.59012	194.11459	162.59554	10.34473	0.2207487	0.21426560	2.7658869	20	11 3.5	17.8
85053 6789 *P–L*	14.9	*X*	224.87365	288.49415	109.82432	3.34537	0.1660509	0.19328822	2.9625507	20	6 2.7	19.5
85054 6841 *P–L*	16.4	*X*	318.24365	64.58010	7.96219	3.95908	0.1220018	0.28160807	2.3051860	20	12 26.3	18.6
85055 6872 *P–L*	15.5	*X*	160.20266	233.52569	20.07060	1.62466	0.0979513	0.21776928	2.7361400	20	12 26.7	19.8
85056 9093 *P–L*	16.0	*X*	273.37881	354.07293	342.85778	2.12567	0.2002222	0.25956333	2.4339248	20	4 29.9	19.5
85057 9608 *P–L*	14.3	*X*	332.68009	84.96925	186.69162	6.11919	0.0424193	0.19315420	2.9639209	20	5 21.9	18.2
85058 1112 *T–1*	15.1	*X*	230.41034	264.52684	213.94164	6.21189	0.2594013	0.21136160	2.7911638	20	9 5.4	19.7
85059 1211 *T–1*	15.8	*X*	37.16556	19.45185	269.48162	1.70967	0.1600147	0.26737261	2.3862985	20	10 13.0	18.6
85060 2080 *T–1*	15.9	*X*	313.13579	9.31654	180.32464	11.04184	0.1994930	0.23858728	2.5745689	20	—	—
85061 2137 *T–1*	15.0	*X*	274.29282	55.95643	165.72053	3.33147	0.1472079	0.17646740	3.1479397	20	—	—
85062 2272 *T–1*	16.0	*X*	39.92953	167.14386	88.18112	3.09121	0.1827416	0.26574968	2.3960040	20	9 5.3	18.7
85063 3148 *T–1*	14.4	*X*	235.95449	265.79235	4.92038	23.59834	0.3510468	0.17440354	3.1727257	20	1 13.4	20.6
85064 3338 *T–1*	15.9	*X*	91.90057	188.10977	30.45780	2.75720	0.1735267	0.26705976	2.3881618	20	9 18.5	19.2
85065 4053 *T–1*	15.2	*X*	97.41205	107.58565	151.92588	2.30226	0.1126795	0.20964796	2.8063529	20	11 1.3	19.4
85066 4255 *T–1*	16.1	*X*	75.22334	49.55891	163.36590	3.22954	0.1595341	0.26586368	2.3953191	20	8 19.6	19.1
85067 4333 *T–1*	14.9	*X*	325.98041	92.45688	103.03699	2.64505	0.1188288	0.17830673	3.1262538	20	1 28.2	19.0
85068 1021 *T–2*	16.1	*X*	314.39450	167.57173	187.14426	2.58940	0.1622230	0.27143151	2.3624495	20	8 10.4	18.0
85069 1056 *T–2*	15.1	*X*	327.29356	19.63706	354.30379	3.79868	0.1133566	0.20982980	2.8047313	20	9 26.7	18.3
85070 1120 *T–2*	15.9	*X*	17.66657	121.54950	344.10363	4.90251	0.2577432	0.23717590	2.5847726	20	—	—
85071 1189 *T–2*	16.4	*X*	240.54227	47.31829	346.22065	5.19324	0.1687514	0.26867249	2.3785954	20	6 12.1	19.8
85072 1245 *T–2*	15.7	*X*	13.76048	109.06318	353.93698	6.35716	0.1014717	0.23806959	2.5782999	20	—	—
85073 1263 *T–2*	16.4	*X*	88.91088	208.34880	182.52878	2.95339	0.1769126	0.30195698	2.2004221	20	—	—
85074 1288 *T–2*	15.2	*X*	167.99320	132.51776	78.65147	1.72189	0.0148993	0.21225902	2.7832910	20	11 16.9	19.2
85075 1444 *T–2*	14.4	*X*	305.22934	76.11722	191.66660	15.84876	0.1014666	0.18180752	3.0859922	20	3 31.3	18.7
85076 1451 *T–2*	16.0	*X*	86.89807	227.18714	187.01243	15.37249	0.1342253	0.23970842	2.5665350	20	1 22.5	19.4
85077 1454 *T–2*	16.1	*X*	37.26123	302.15731	352.11215	6.86661	0.1318635	0.27342080	2.3509768	20	10 15.8	19.0
85078 1509 *T–2*	16.5	*X*	212.74799	5.22720	338.77968	5.16337	0.1349059	0.30735814	2.1745676	20	3 9.7	19.7
85079 2047 *T–2*	15.3	*X*	128.50467	350.66287	348.09018	4.51376	0.1773763	0.23854873	2.5748463	20	—	—
85080 2070 *T–2*	13.9	*X*	264.96646	215.19512	1.68493	19.48813	0.0807319	0.17573841	3.1566390	20	—	—
85081 2153 *T–2*	14.6	*X*	136.77083	347.41628	357.75923	4.58411	0.1387150	0.17610450	3.1522627	20	1 12.9	19.3
85082 2158 *T–2*	16.5	*X*	110.34053	116.97071	172.20965	2.81146	0.1596264	0.27746679	2.3280665	20	—	—
85083 2305 *T–2*	16.1	*X*	93.98249	145.47232	175.40463	1.78132	0.2397981	0.27832993	2.3232509	20	—	—
85084 2309 *T–2*	14.1	*X*	7.45966	332.86603	15.56168	13.73334	0.1543646	0.21084814	2.7956934	20	11 1.2	17.4
85085 3014 *T–2*	15.0	*X*	119.10901	8.27809	6.43027	17.55642	0.1141963	0.17711153	3.1403026	20	1 31.4	19.8
85086 3059 *T–2*	14.4	*X*	44.36294	32.75982	15.19842	6.86440	0.1461193	0.17449657	3.1715979	20	—	—
85087 3090 *T–2*	16.5	*X*	237.31758	6.00250	41.03466	1.83074	0.1847872	0.26898619	2.3767458	20	6 25.6	19.9
85088 3202 *T–2*	14.7	*X*	81.77844	224.01182	90.54645	4.10517	0.0762048	0.21359899	2.7716385	20	12 17.8	18.5
85089 3304 *T–2*	15.2	*X*	60.54796	336.80760	52.93584	2.98946	0.1120640	0.19481222	2.9470799	20	—	—
85090 4028 *T–2*	15.8	*X*	244.96872	52.76333	77.90848	3.36111	0.1230509	0.27466832	2.3438528	20	11 9.1	18.4
85091 4112 *T–2*	14.8	*X*	83.01886	244.90218	149.32846	5.72937	0.1399533	0.17586626	3.1551090	20	1 7.4	19.0
85092 4253 *T–2*	15.9	*X*	341.83338	189.80968	151.91467	6.02167	0.2267548	0.27255226	2.3559687	20	9 30.6	17.2
85093 5071 *T–2*	15.7	*X*	270.09372	75.78579	312.70943	6.39534	0.1335958	0.27007475	2.3703550	20	7 19.7	18.6
85094 5119 *T–2*	15.5	*X*	87.28460	355.21467	313.54102	6.69233	0.1326037	0.27698424	2.3307696	20	—	—
85095 Hekla	16.6	*X*	83.00760	112.79145	349.36910	18.96660	0.0817249	0.36882147	1.9257146	20	3 1.7	18.1
85096 1044 *T–3*	16.0	*X*	284.27017	144.00364	242.19737	7.06186	0.1202477	0.27279666	2.3545614	20	8 6.5	18.8
85097 1082 *T–3*	15.8	*X*	351.64966	133.74950	289.43976	6.49805	0.1872608	0.23270718	2.6177582	20	—	—
85098 1208 *T–3*	14.5	*X*	106.53521	203.99824	340.49838	11.72897	0.0391533	0.20170650	2.8795378	20	8 1.9	18.6
85099 1213 *T–3*	16.1	*X*	335.87456	111.07363	293.74261	5.76413	0.0923499	0.27719654	2.3295794	20	12 12.6	18.5
85100 2189 *T–3*	15.2	*X*	98.74711	123.97504	246.56176	3.09048	0.1985249	0.23716739	2.5848345	20	—	—
85101 2192 *T–3*	16.4	*X*	281.25988	104.54914	269.18686	1.18619	0.2308099	0.27209980	2.3585797	20	6 27.3	19.2
85102 2211 *T–3*	15.6	*X*	295.32407	316.84978	280.93070	3.41641	0.0937844	0.24161170	2.5530387	20	2 3.1	18.9
85103 2412 *T–3*	15.1	*X*	188.62361	124.85411	220.77218	8.38953	0.1894664	0.21875319	2.7279293	20	2 23.5	19.8
85104 2415 *T–3*	15.9	*X*	42.79142	244.46619	214.87203	6.86323	0.0680602	0.23848270	2.5753216	20	1 9.5	19.1
85105 2433 *T–3*	15.4	*X*	255.15931	112.66789	210.66101	12.17739	0.1900105	0.24501722	2.5293270	20	3 24.3	19.3
85106 3038 *T–3*	15.7	*X*	232.17431	240.76626	46.60288	4.95507	0.2377586	0.24159711	2.5531415	20	1 22.6	20.1
85107 3144 *T–3*	15.9	*X*	200.71863	164.77891	195.32072	3.93773	0.1162796	0.24313591	2.5423577	20	3 23.5	19.6
85108 3475 *T–3*	15.1	*X*	254.26153	253.43176	182.29512	7.37680	0.0298218	0.20479446	2.8505188	20	9 9.1	18.9
85109 3892 *T–3*	14.5	*X*	75.48578	39.61791	189.72893	15.02809	0.0922955	0.20345579	2.8630088	20	8 22.8	18.7
85110 4043 *T–3*	16.2	*X*	313.10732	266.82361	151.95690	4.99061	0.0740108	0.27673906	2.3321461	20	11 24.5	18.7
85111 4051 *T–3*	14.6	*X*	237.28958	145.82179	178.43315	12.84848	0.0509459	0.24333163	2.5409942	20	3 21.4	18.2
85112 4060 *T–3*	15.1	*X*	290.38036	215.15592	103.76402	3.28895	0.0494965	0.20012061	2.8947307	20	5 23.9	18.9
85113 4116 *T–3*	15.6	*X*	33.49899	268.36970	37.24565	12.65424	0.2716474	0.27670346	2.3323460	20	11 18.0	18.6
85114 4285 *T–3*	15.3	*X*	0.44679	158.03976	185.97250	16.39265	0.1622750	0.20641439	2.8355854	20	10 19.2	18.4
85115 4329 *T–3*	15.0	*X*	109.49655	148.84459	131.17068	5.39168	0.1794048	0.20998938	2.8033102	20	12 11.1	19.6
85116 4342 *T–3*	15.5	*X*	163.92082	243.98892	144.93223	4.86909	0.0815617	0.24220676	2.5488555	20	3 22.2	19.1
85117 5135 *T–3*	15.6	*X*	44.55952	328.44503	83.67343	7.52042	0.1171014	0.23560628	2.5962398	20	—	—
85118 1971 *UU*	15.4	*X*	207.36729	141.07771	218.96877	2.21137	0.3910603	0.23456943	2.6038848	20	3 25.6	20.5
85119 Hannieschaft	16.5	*X*	281.23048	63.01495	351.76960	19.81791	0.1435238	0.37009553	1.9212925	20	9 29.6	17.6
85120 1975 SP_1	15.7	*X*	295.39610	141.81693	196.16789	9.27280	0.2019569	0.23737783	2.5833065	20	6 2.2	18.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
85121 Loehde	16.5	X	207.19671	253.87844	344.89914	6.03852	0.0759661	0.28198214	2.3031469	20	—	—
85122 1978 UZ_5	14.6	X	222.23571	126.91418	212.41308	16.04775	0.1190292	0.17881071	3.1203768	20	3 20.9	19.7
85123 1978 VC_8	16.3	X	208.33709	164.42543	243.56729	6.29066	0.1190576	0.29760708	2.2218115	20	6 1.3	19.2
85124 1978 VF_8	16.1	X	127.07379	307.24807	61.58245	7.67212	0.1547305	0.29034704	2.2586960	20	1 15.8	18.9
85125 1978 VU_8	15.6	X	113.13215	352.44944	82.24810	2.45077	0.2027838	0.24508786	2.5288409	20	4 6.5	19.2
85126 1978 VO_{10}	15.9	X	325.39913	3.04667	70.58002	8.70125	0.1729589	0.23551299	2.5969254	20	12 26.1	18.4
85127 1978 VJ_{11}	15.0	X	39.78245	303.82348	71.47104	6.49423	0.0934361	0.21322466	2.7748814	20	—	—
85128 1979 HA	13.6	X	322.15241	156.52843	48.93929	24.77711	0.1847496	0.26085697	2.4258713	20	1 12.0	17.2
85129 1979 MC_5	16.1	X	127.74537	203.74869	176.93832	4.54425	0.2477929	0.27759071	2.3273736	20	2 13.4	19.3
85130 1979 MH_5	15.7	X	82.99667	53.58951	265.21570	2.60670	0.0860258	0.22379111	2.6868340	20	12 27.5	19.4
85131 1979 MT_6	15.1	X	294.97574	305.22371	279.97078	10.69385	0.0648488	0.23227046	2.6210385	20	1 22.3	18.6
85132 1979 MR_7	16.2	X	56.90010	36.81228	279.90156	7.82386	0.1412483	0.27011562	2.3701159	20	12 12.5	19.5
85133 1979 MX_7	15.7	X	266.51315	82.39598	278.91823	7.54645	0.1823773	0.23806768	2.5783137	20	5 27.6	19.4
85134 1979 MH_8	17.0	X	172.90919	103.48459	184.90408	2.11857	0.2073220	0.27638318	2.3341476	20	—	—
85135 1979 QN_1	15.7	X	56.86536	199.86651	149.78054	6.49158	0.2091927	0.27068835	2.3667715	20	—	—
85136 1979 QX_2	15.5	X	109.89547	316.81865	335.61337	2.90310	0.1969678	0.27160916	2.3614193	20	—	—
85137 1981 DS_3	14.8	X	255.46839	146.49861	296.31518	9.85949	0.0695139	0.18740023	3.0242845	20	9 7.8	19.3
85138 1981 ED_7	14.8	X	263.15221	59.76790	217.10295	13.63361	0.1022311	0.17465494	3.1696804	20	2 17.4	19.8
85139 1981 EN_9	16.1	X	146.76632	241.88001	338.63970	7.12971	0.1987922	0.26375053	2.4080961	20	11 6.6	20.3
85140 1981 ES_{19}	16.2	X	121.79183	228.27179	351.90537	5.13605	0.0368520	0.28807163	2.2705743	20	10 14.7	19.1
85141 1981 EM_{28}	14.7	X	344.52352	271.59510	357.06217	24.94437	0.2503252	0.17985265	3.1083135	20	5 6.2	18.4
85142 1981 EO_{29}	14.4	X	321.92338	291.37656	272.60605	4.98597	0.1945935	0.12352914	3.9929123	20	1 30.2	19.7
85143 1981 EE_{30}	15.3	X	122.34669	64.37024	240.10155	7.63735	0.2003902	0.26725117	2.3870213	20	—	—
85144 1981 EU_{30}	15.3	X	166.06744	3.70157	340.75969	6.51936	0.1328047	0.27419710	2.3465374	20	1 28.7	18.7
85145 1981 ED_{33}	15.4	X	89.92852	68.51943	306.52961	6.27352	0.1302826	0.27186297	2.3599493	20	—	—
85146 1981 EF_{33}	16.6	X	96.75540	22.72880	209.74872	6.78665	0.1759359	0.26101709	2.4248791	20	10 9.2	20.2
85147 1981 EV_{38}	14.9	X	276.81047	234.62863	320.96715	4.01603	0.1062436	0.17034433	3.2229304	20	—	—
85148 1981 EH_{39}	16.7	X	75.18967	285.56362	317.68108	2.93036	0.1279675	0.26047926	2.4282158	20	9 24.0	20.0
85149 1981 EU_{43}	14.8	X	174.88032	83.43226	324.90307	15.41390	0.1785535	0.23033725	2.6356835	20	4 22.2	19.5
85150 1981 EO_{46}	15.1	X	228.58737	104.17489	145.29266	1.87567	0.1318409	0.16992544	3.2282249	20	—	—
85151 1983 QT	15.5	X	291.87190	29.43661	321.88245	3.95778	0.1831663	0.23704222	2.5857443	20	6 18.0	18.7
85152 1985 QL_3	15.7	X	73.54153	106.14276	186.66253	10.64138	0.1826129	0.25898370	2.4375550	20	12 3.2	19.5
85153 1985 TA	15.2	X	18.64344	225.99491	131.74238	12.02934	0.2993558	0.25628025	2.4546672	20	—	—
85154 1986 TS_4	14.7	X	82.73142	21.05562	350.06914	10.75903	0.2940711	0.26991542	2.3712877	20	—	—
85155 1986 VH_7	15.6	X	125.05501	23.83034	18.72262	2.42968	0.2150218	0.27471540	2.3435850	20	3 7.7	18.8
85156 1987 RN_1	15.1	X	56.73410	222.09325	149.07973	2.49093	0.2373776	0.21640733	2.7476078	20	—	—
85157 1987 SP_5	16.0	X	183.85365	53.07022	3.89198	6.19044	0.2276317	0.28946998	2.2632561	20	5 15.9	19.8
85158 Phyllistrapp	15.7	X	141.13460	42.29393	297.77440	6.02440	0.3160386	0.28246583	2.3005170	20	1 14.5	19.1
85159 1988 DL	14.3	X	20.23952	189.68389	252.62327	8.22953	0.1223945	0.21044941	2.7992235	20	—	—
85160 1988 RW_{12}	15.0	X	293.26070	32.54631	280.55665	3.14116	0.2172077	0.24096905	2.5575760	20	4 20.4	18.5
85161 1988 SA_2	16.3	X	252.25137	217.36687	91.78002	6.39925	0.2108418	0.29929708	2.2134399	20	3 3.1	19.7
85162 1988 SL_2	13.8	X	285.44756	304.89168	162.37484	3.17808	0.1820070	0.12541855	3.9527092	20	10 25.9	19.0
85163 1988 SQ_2	13.3	X	351.54456	234.05328	175.89377	8.31183	0.2180440	0.12715488	3.9166433	20	12 7.6	17.8
85164 1988 TG_2	14.0	X	321.88012	40.34569	7.06082	12.31839	0.1907386	0.21680937	2.7442101	20	10 30.0	16.7
85165 1988 TV_2	15.3	X	263.77344	109.91998	273.69942	4.30949	0.3584435	0.24057970	2.5603346	20	6 1.4	19.2
85166 1989 OC	15.1	X	112.64332	327.67352	306.90372	8.01476	0.2960840	0.26568194	2.3964113	20	12 18.6	19.5
85167 1989 RS_2	14.8	X	15.95915	35.25604	353.17350	8.85392	0.2288062	0.26052706	2.4279188	20	—	—
85168 Albertacentenary	15.0	X	144.08781	87.06780	277.42099	20.61055	0.2606224	0.17411447	3.1762363	20	2 11.7	20.6
85169 1989 SN_2	14.5	X	142.44947	236.65777	175.30269	14.56852	0.2379936	0.17561755	3.1580872	20	4 13.7	19.8
85170 1989 TZ_3	16.0	X	48.69212	273.16769	71.13127	2.32005	0.1760367	0.25952708	2.4341514	20	—	—
85171 1989 TZ_6	14.8	X	77.86826	305.08223	35.66728	15.14407	0.1727669	0.22971028	2.6404772	20	—	—
85172 1990 QU_6	16.2	X	59.69965	228.09031	130.45986	3.09647	0.2217983	0.27149007	2.3621098	20	—	—
85173 1990 QV_6	16.0	X	291.71117	218.41409	151.51771	7.04974	0.3012190	0.22677118	2.6632431	20	6 23.7	19.3
85174 1990 QN_8	16.8	X	185.15486	327.84733	350.15988	2.27167	0.2252270	0.28097918	2.3086244	20	1 17.9	20.6
85175 1990 RS	15.1	X	165.68675	25.01547	349.61930	8.63097	0.1550788	0.28272201	2.2991271	20	3 6.4	18.4
85176 1990 RP_2	15.8	X	204.69002	116.85068	242.11023	2.80279	0.1876987	0.28458806	2.2890658	20	3 21.6	19.6
85177 1990 SE_3	14.5	X	126.63437	332.11881	34.93240	9.45606	0.2419036	0.21104297	2.7939725	20	2 6.9	18.9
85178 1990 TQ	15.6	X	176.49236	18.47595	356.76602	6.87662	0.2682340	0.28261944	2.2996833	20	3 21.2	19.7
85179 Meistereckhart	16.3	X	75.70941	81.52588	243.26757	1.77878	0.1810742	0.26986178	2.3716019	20	—	—
85180 1990 UW_5	15.6	X	112.17063	316.84394	54.29309	12.34629	0.2489462	0.27548839	2.3391991	20	1 17.4	18.7
85181 1990 VF_6	14.7	X	127.68320	249.61156	107.16414	8.76345	0.1325920	0.27404681	2.3473952	20	—	—
85182 1991 AQ	17.1	X	302.89570	243.04897	339.60392	3.12544	0.7764383	0.29753560	2.2221673	20	—	—
85183 Marcelaymé	14.9	X	102.24857	90.75144	296.64133	22.32757	0.2784167	0.27260674	2.3556548	20	1 26.6	17.6
85184 1991 JG_1	18.3	X	41.34575	322.74695	226.40389	33.87754	0.1844818	0.61193562	1.3740385	20	2 17.0*	19.8
85185 Lederman	16.4	X	346.64595	63.95779	230.65002	5.04831	0.2851910	0.30699765	2.1762695	20	7 19.7	16.8
85186 1991 PR_2	13.8	X	322.77858	4.34071	315.71679	13.46375	0.0980891	0.23651603	2.5895780	20	7 10.1	16.8
85187 1991 PC_{12}	15.2	X	220.57636	101.39194	186.45574	11.82087	0.3637820	0.22392457	2.6857663	20	1 12.1	20.5
85188 1991 PK_{12}	14.1	X	64.78458	108.12662	237.84983	8.02075	0.1754986	0.21184055	2.7869552	20	—	—
85189 1991 RL_2	14.6	X	230.99564	22.51983	342.76536	12.67083	0.3013889	0.22960666	2.6412716	20	4 13.9	19.5
85190 Birgitroth	14.8	X	187.04153	96.99860	346.49294	11.97853	0.1589822	0.22938843	2.6429465	20	6 24.9	19.3
85191 1991 RP_4	15.0	X	102.87214	118.91996	228.23456	8.24744	0.2585911	0.21509800	2.7587465	20	—	—
85192 1991 RS_{11}	15.1	X	183.36126	208.75026	133.13541	11.01072	0.3264281	0.22415765	2.6839042	20	2 22.2	20.1
85193 1991 RD_{19}	16.0	X	256.16866	95.92300	270.45967	2.85037	0.2393189	0.29993037	2.2103231	20	5 14.9	19.1
85194 1991 TL_2	14.4	X	139.15999	53.44373	275.20489	14.72815	0.3282578	0.21762779	2.7373257	20	1 7.1	19.0
85195 von Helfta	15.4	X	67.42132	136.26187	250.94273	2.43026	0.2659407	0.28238497	2.3009561	20	—	—
85196 Halle	14.5	X	289.36940	272.58540	350.35145	12.24634	0.2436814	0.22656820	2.6648335	20	2 14.0	18.5
85197 Ginkgo	16.8	X	295.54809	64.79921	323.29943	2.59115	0.1538152	0.30354809	2.1927261	20	9 2.0	18.4
85198 Weltenburg	14.4	X	131.65039	51.83465	336.29291	8.83877	0.1052332	0.18668073	3.0320502	20	2 21.5	18.7
85199 Habsburg	16.0	X	221.06627	99.69424	326.68180	5.40399	0.1138522	0.30070245	2.2065380	20	7 13.7	18.8
85200 Johnhault	16.1	X	331.63664	25.31444	37.92654	5.26346	0.1767742	0.24030562	2.5622811	20	12 26.3	18.6

* The additional oppositions: **85184** 3 7.5, $V = 19.5$, 5 13.6, $V = 15.6$

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
85201 1991 VU_8	16.2	X	71.22091	317.94645	176.11092	2.50520	0.1293555	0.25560558	2.4589847	20	4 18.7	19.0
85202 1992 DR_{11}	15.1	X	65.84056	114.32880	143.44290	10.73575	0.0531680	0.18967744	3.0000300	20	9 14.1	19.3
85203 1992 EE_5	15.7	X	57.47979	79.66002	350.50453	6.72396	0.0651979	0.27707747	2.3302467	20	—	—
85204 1992 EX_5	14.6	X	153.75145	49.99121	140.75695	11.09991	0.0563119	0.19245126	2.9711338	20	10 5.2	19.1
85205 1992 EM_6	16.0	X	258.15797	82.52388	67.52727	3.64739	0.1579678	0.26864709	2.3787454	20	12 18.9	18.2
85206 1992 EQ_7	15.1	X	359.52224	108.75130	54.43266	6.80241	0.0975809	0.17407171	3.1767564	20	2 11.2	19.2
85207 1992 EB_{19}	15.7	X	177.19790	314.36812	98.19323	4.19558	0.2168251	0.28887840	2.2663449	20	5 7.7	19.4
85208 1992 EG_{20}	14.7	X	268.76074	151.13840	107.56960	6.61270	0.0863785	0.17424661	3.1746303	20	2 9.8	19.4
85209 1992 GM_3	15.4	X	138.42291	341.49277	221.88458	4.72346	0.1337387	0.25825368	2.4421465	20	10 10.0	19.1
85210 1992 HM_1	15.8	X	78.21425	198.38097	135.09882	4.75501	0.1143943	0.26312408	2.4119168	20	—	—
85211 1992 PL	14.8	X	189.26199	45.33469	298.76292	6.00619	0.1061251	0.23340851	2.6125118	20	2 20.6	18.9
85212 1992 RF	14.6	X	44.02921	338.79546	66.62813	28.38294	0.1966536	0.22036131	2.7146415	20	—	—
85213 1992 RN_7	14.7	X	30.55089	359.29516	14.25586	6.33095	0.1539638	0.18208935	3.0828071	20	—	—
85214 Sommersdorf	15.7	X	226.81361	344.96185	33.63506	3.41404	0.1592139	0.30854709	2.1689777	20	5 8.5	18.8
85215 Hohenzollern	15.1	X	146.44280	226.42873	159.61624	4.49122	0.1865549	0.22994679	2.6386664	20	3 8.7	19.2
85216 Schein	16.7	X	303.37060	188.28811	162.25511	1.18142	0.1444849	0.31393181	2.1441039	20	7 19.2	18.5
85217 Bilzingsleben	15.8	X	173.54176	96.46260	292.26651	2.27068	0.2065246	0.30252093	2.1976866	20	3 31.6	19.4
85218 1993 FW_5	14.8	X	308.52209	287.69220	11.52763	13.96189	0.2021442	0.18611251	3.0382185	20	4 26.3	18.8
85219 1993 FM_9	16.3	X	302.20514	48.09530	36.57249	6.96973	0.0419583	0.27479283	2.3431447	20	12 11.1	19.0
85220 1993 FY_{11}	16.2	X	144.28150	235.76401	31.44908	5.28100	0.2051092	0.27409298	2.3471316	20	—	—
85221 1993 FX_{13}	16.2	X	278.27376	169.05557	144.06922	5.21170	0.1489409	0.29324223	2.2438046	20	4 11.9	19.0
85222 1993 FO_{14}	16.6	X	212.71044	131.74143	69.81441	4.39812	0.1640408	0.27637299	2.3342049	20	12 24.9	19.7
85223 1993 FU_{22}	16.3	X	175.59346	276.61098	323.14486	1.55173	0.1795146	0.27489693	2.3425532	20	12 31.2	19.7
85224 1993 FT_{28}	16.6	X	148.12778	12.21196	222.31391	4.86992	0.1508892	0.27228863	2.3574892	20	11 30.3	20.2
85225 1993 FP_{31}	15.6	X	332.14643	22.68731	44.74271	5.91673	0.1687793	0.27675550	2.3320537	20	—	—
85226 1993 FQ_{37}	15.4	X	96.42630	216.98867	46.49244	1.57939	0.2055699	0.19649766	2.9302036	20	11 9.8	20.1
85227 1993 FT_{40}	15.2	X	226.92219	164.93379	171.95344	4.12728	0.0955065	0.18255582	3.0775534	20	3 27.1	19.9
85228 1993 FU_{45}	15.4	X	97.84662	227.96456	30.91049	2.53613	0.1941333	0.19684312	2.9267742	20	11 4.7	20.2
85229 1993 FU_{46}	15.5	X	62.69240	152.58016	175.10297	1.89080	0.0718120	0.20161721	2.8803880	20	12 9.1	19.5
85230 1993 FM_{52}	15.2	X	23.74497	106.26134	148.52909	3.67019	0.1444150	0.18958904	3.0009624	20	7 21.2	18.6
85231 1993 FR_{52}	16.8	X	225.36543	4.82945	153.69001	4.10299	0.2130227	0.27512673	2.3412486	20	11 7.8	19.9
85232 1993 FT_{52}	16.3	X	114.96344	151.69663	94.59507	3.09258	0.1653237	0.27007072	2.3703786	20	11 14.7	20.0
85233 1993 FA_{53}	16.6	X	159.38275	69.30886	159.10576	5.05078	0.1466510	0.27317939	2.3523617	20	12 4.3	20.2
85234 1993 HY_2	16.5	X	184.94964	250.67052	84.84167	4.75004	0.1055868	0.28574936	2.2828596	20	2 2.4	19.6
85235 1993 JA	16.9	X	272.78286	223.84003	43.99841	30.09901	0.1834550	0.35860840	1.9621058	20	2 1.5	20.5
85236 1993 KH	18.6	X	181.82399	293.79527	54.38061	12.80655	0.3110058	0.71930338	1.2336576	20	—	—
85237 1993 NE_2	15.9	X	27.66852	50.13011	278.79540	5.15341	0.1807913	0.26211500	2.4181030	20	11 25.9	18.9
85238 1993 OU_1	14.8	X	234.95630	227.96020	157.81255	5.39571	0.2227289	0.17531837	3.1616789	20	5 24.1	20.0
85239 1993 OB_7	15.6	X	323.31431	252.16825	61.43402	1.50666	0.2068100	0.18101505	3.0949924	20	6 13.5	18.9
85240 1993 OT_{11}	14.8	X	343.23964	22.36077	290.39032	5.94647	0.1915352	0.18329450	3.0692794	20	7 25.2	17.9
85241 1993 PC_3	15.5	X	111.94076	39.11379	265.45245	3.85335	0.2373188	0.26803061	2.3823915	20	—	—
85242 1993 QP_4	15.9	X	58.68850	216.38332	134.67184	2.94575	0.2306741	0.26436403	2.4043691	20	—	—
85243 1993 QG_8	14.9	X	217.79653	258.39965	151.76443	9.29701	0.2396695	0.17303140	3.1894767	20	6 6.9	20.4
85244 1993 QB_9	15.9	X	173.90334	214.69442	357.75556	6.57095	0.0703475	0.26284101	2.4136482	20	11 30.4	19.3
85245 1993 RM_2	14.9	X	45.67100	225.71754	194.74457	23.80499	0.2765659	0.26695654	2.3887774	20	—	—
85246 1993 RL_4	15.4	X	78.08301	55.98793	245.12476	2.04090	0.1272320	0.26152783	2.4217210	20	12 12.4	18.9
85247 1993 RE_5	16.1	X	102.49079	207.27563	182.51047	2.47205	0.2055425	0.27093433	2.3653388	20	1 20.5	18.8
85248 1993 RR_6	15.5	X	23.56532	53.44952	313.56288	1.13420	0.2252328	0.22413945	2.6840495	20	—	—
85249 1993 RT_{11}	15.8	X	54.73541	53.48131	357.39382	2.26037	0.2143054	0.26797799	2.3827033	20	—	—
85250 1993 RQ_{16}	15.1	X	257.36725	345.18251	1.48568	11.03232	0.2409693	0.17353696	3.1832792	20	4 21.4	20.2
85251 1993 RJ_{18}	15.3	X	32.58701	326.84766	351.88708	10.20900	0.2141226	0.22240933	2.6979509	20	11 11.9	18.9
85252 1993 SX_{12}	16.6	X	119.89619	279.81230	5.86939	4.91949	0.1713769	0.30190538	2.2006728	20	—	—
85253 1993 TD_5	16.4	X	68.17820	10.91731	294.57948	3.46793	0.1828300	0.25889262	2.4381267	20	12 12.3	20.0
85254 1993 TG_{12}	14.8	X	27.97849	359.27807	7.07217	10.00031	0.2764800	0.26090891	2.4255493	20	—	—
85255 1993 TZ_{13}	14.5	X	320.85554	191.15957	185.53100	10.42163	0.2023459	0.18014680	3.1049291	20	9 5.1	17.9
85256 1993 TC_{14}	15.5	X	299.18734	142.56206	181.90651	0.27946	0.2068111	0.17523063	3.1627343	20	5 19.2	19.7
85257 1993 TT_{14}	15.6	X	80.06968	317.73143	44.24083	3.05183	0.1107845	0.22895743	2.6462623	20	—	—
85258 1993 TE_{16}	16.3	X	309.85692	21.79588	34.39856	2.10909	0.1474231	0.29387282	2.2405937	20	11 18.5	17.7
85259 1993 TO_{19}	15.2	X	299.28385	299.16944	43.24847	4.05700	0.3064554	0.17662121	3.1461117	20	5 26.3	19.3
85260 1993 TC_{23}	14.4	X	315.30275	97.22557	182.78905	5.55952	0.1350320	0.17226041	3.1989865	20	4 27.3	18.5
85261 1993 TO_{23}	16.4	X	90.33169	234.21830	48.35885	3.84894	0.1295128	0.29687144	2.2254804	20	12 8.5	19.4
85262 1993 TE_{32}	15.6	X	10.95264	315.81521	80.34075	3.37313	0.2101402	0.26104009	2.4247367	20	—	—
85263 1993 TU_{37}	16.1	X	50.16985	263.78033	79.62554	5.48604	0.2138267	0.26148387	2.4219924	20	—	—
85264 1993 TN_{46}	16.1	X	71.02174	131.41882	144.18660	3.14480	0.1785299	0.25749908	2.4469153	20	11 8.5	19.6
85265 1993 VR	14.9	X	111.88892	182.83122	237.92774	12.59847	0.1509316	0.23499402	2.6007474	20	3 5.1	18.8
85266 1993 YK_1	15.9	X	72.98184	124.80096	132.84074	0.91219	0.0204966	0.21393109	2.7687693	20	9 19.9	19.5
85267 Taj Mahal	14.5	X	192.52307	143.01558	288.12072	21.88144	0.0593785	0.24027659	2.5624874	20	6 18.7	18.3
85268 1994 AK_5	15.1	X	223.08881	90.76087	104.66438	2.65815	0.1504376	0.17920454	3.1158033	20	12 9.0	19.6
85269 1994 AV_5	15.0	X	172.71251	148.94620	298.69692	6.45650	0.1562030	0.23989215	2.5652244	20	6 16.1	19.1
85270 1994 AY_5	16.4	X	279.99858	97.68187	297.87915	11.62565	0.1253318	0.24616099	2.5214860	20	8 10.2	19.4
85271 1994 AH_{14}	16.1	X	5.12552	122.32533	124.67741	4.57271	0.0543541	0.23776418	2.5805074	20	6 5.0	19.1
85272 1994 BE_2	15.9	X	131.03231	16.90260	280.94692	0.80172	0.0379001	0.21920351	2.7241920	20	—	—
85273 1994 CW_{13}	15.4	X	196.80127	260.81153	344.32254	23.53852	0.2442856	0.28907248	2.2653304	20	—	—
85274 1994 GH	17.0	X	23.23693	140.16948	163.47461	5.80218	0.2466539	0.31278569	2.1493384	20	11 9.9	19.3
85275 1994 LY	16.1	X	321.47953	202.81156	141.16405	17.71848	0.4419216	0.37927468	1.8901669	20	6 26.3*	16.4
85276 1994 PY_4	15.2	X	283.54848	148.74048	157.15494	6.34217	0.1437301	0.18169949	3.0872152	20	4 16.3	19.6
85277 1994 PH_5	15.7	X	196.26434	260.46225	322.62230	5.80094	0.0701061	0.27778799	2.3262715	20	—	—
85278 1994 PU_8	15.4	X	225.49105	116.15573	330.76226	7.60577	0.1484680	0.30187738	2.2008089	20	8 13.4	18.2
85279 1994 PM_{10}	16.3	X	4.83501	203.00767	137.53184	3.01684	0.1113116	0.26890535	2.3772220	20	10 30.8	18.7
85280 1994 PU_{14}	14.7	X	275.58718	147.17930	183.95227	2.49004	0.2082630	0.18252476	3.0779025	20	4 28.1	19.3

* The additional oppositions: **85275** 9 14.7, $V = 14.4$, 11 13.2, $V = 16.4$

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
85281 1994 PZ_{16}	16.1	X	194.90764	130.94480	166.52336	6.22008	0.1950831	0.28563834	2.2834511	20	—	—
85282 1994 PE_{19}	14.4	X	254.34483	354.43515	344.25464	4.83299	0.1704055	0.18062130	3.0994888	20	4 17.3	19.3
85283 1994 PO_{21}	14.9	X	191.28824	225.04508	115.29117	2.21570	0.1768624	0.17425274	3.1745558	20	2 26.7	20.2
85284 1994 PT_{21}	16.4	X	257.27887	252.54641	70.88244	1.16698	0.1689484	0.29412238	2.2393260	20	3 28.2	19.5
85285 1994 PE_{23}	16.7	X	231.77021	253.08008	61.23725	0.12547	0.1681983	0.29059205	2.2574262	20	2 20.1	20.3
85286 1994 PA_{27}	16.6	X	225.33786	244.46999	136.59904	6.28602	0.2303897	0.29511375	2.2343082	20	5 8.7	20.3
85287 1994 PM_{29}	14.7	X	250.58353	86.53896	267.55948	3.99112	0.1841999	0.18130908	3.0916455	20	5 1.5	19.4
85288 1994 PC_{30}	16.0	X	241.02211	199.26176	210.23330	5.06100	0.1744106	0.26062906	2.4272853	20	7 3.3	19.5
85289 1994 PJ_{32}	14.8	X	246.57130	140.24825	176.31714	9.46530	0.0848491	0.17764558	3.1340057	20	3 24.6	19.4
85290 1994 PZ_{32}	15.1	X	347.78860	294.88831	310.58250	7.90382	0.1925285	0.22054504	2.7131337	20	4 21.4	17.9
85291 1994 PF_{33}	16.0	X	228.39293	185.16072	166.31870	2.75117	0.2487908	0.29351538	2.2424123	20	3 31.8	19.8
85292 1994 RA_{18}	15.1	X	178.81953	143.53106	315.61616	4.40455	0.1105177	0.29819213	2.2189045	20	7 10.3	18.0
85293 Tengzhou	14.6	X	22.16040	251.55831	325.61022	14.46576	0.1348203	0.17885831	3.1198231	20	5 22.4	18.6
85294 1994 SO_{9}	16.2	X	155.22380	147.38160	24.95257	2.93427	0.1337305	0.26407730	2.4061092	20	9 19.3	19.7
85295 1994 TY	14.8	X	51.36261	30.00298	20.35622	13.39717	0.2891383	0.23831753	2.5765113	20	—	—
85296 1994 TT_{7}	17.0	X	284.58251	265.30380	16.98051	1.06183	0.1303513	0.29167656	2.2518270	20	3 9.1	19.9
85297 1994 TJ_{8}	16.9	X	282.59206	191.24911	148.95440	1.69847	0.1911080	0.29692452	2.2252151	20	5 18.3	19.5
85298 1994 TF_{10}	15.9	X	161.11638	56.52475	203.09784	5.23621	0.1880664	0.27461250	2.3441704	20	—	—
85299 Neander	16.0	X	285.03346	326.23259	49.58789	2.03278	0.2007087	0.26043882	2.4284672	20	7 11.4	18.6
85300 1994 UW_{2}	14.8	X	319.92759	198.30340	215.98867	24.03877	0.2479004	0.26609238	2.3939464	20	12 1.3	16.6
85301 1994 UM_{5}	15.0	X	325.62956	278.64185	12.97232	6.87389	0.2014946	0.25761658	2.4461712	20	5 14.7	17.3
85302 1994 VM	15.8	X	124.71599	148.62460	240.68389	4.91877	0.1791533	0.28226466	2.3016099	20	2 10.6	19.0
85303 1994 VN_{1}	16.0	X	140.71106	231.31975	149.17144	2.59537	0.2405807	0.28309469	2.2971088	20	2 25.7	19.4
85304 1994 VS_{1}	14.3	X	262.03141	20.74162	38.39525	4.98286	0.1648790	0.18139080	3.0907168	20	8 9.1	18.7
85305 1994 VX_{4}	15.6	X	93.86103	110.93775	251.00750	4.03777	0.2061650	0.27738489	2.3285247	20	—	—
85306 1994 VL_{8}	15.3	X	144.01343	355.35864	69.40259	23.88404	0.0928828	0.36373968	1.9436091	20	4 21.0	18.1
85307 1994 WN	15.4	X	71.36870	167.33061	269.28972	4.67062	0.2150851	0.27890637	2.3200486	20	2 2.5	17.2
85308 Atsushimori	16.4	X	172.31370	192.92723	173.72597	5.19702	0.1822181	0.28508964	2.2863801	20	3 3.2	19.8
85309 1994 WO_{4}	15.0	X	306.76278	197.82507	142.18826	6.76666	0.1359996	0.18035946	3.1024879	20	7 1.0	18.9
85310 1994 WH_{5}	16.9	X	276.66932	231.12575	218.22425	1.35961	0.1954583	0.22618562	2.6678376	20	10 7.5	20.1
85311 1994 WK_{8}	15.0	X	106.81096	48.43137	117.13108	8.19533	0.0948044	0.21441465	2.7646050	20	7 12.9	18.9
85312 1994 YB_{1}	14.2	X	239.61739	303.47731	106.19791	10.75156	0.2887834	0.17615406	3.1516716	20	6 19.6	19.6
85313 1994 YU_{1}	14.8	X	45.39066	119.57010	324.83788	3.90703	0.1416423	0.27477801	2.3432290	20	—	—
85314 1995 AY_{1}	15.6	X	29.13320	296.65878	110.24893	5.36309	0.0572003	0.22970465	2.6405204	20	—	—
85315 1995 BE	15.8	X	15.75422	6.64502	129.77652	5.54595	0.1994196	0.23630756	2.5911008	20	1 10.6	18.2
85316 1995 BA_{4}	15.4	X	244.24675	333.79047	350.40680	4.00145	0.1778552	0.24036887	2.5618315	20	3 18.2	19.4
85317 Lehár	15.6	X	21.67880	331.99239	137.81694	6.60831	0.2641830	0.23438855	2.6052243	20	—	—
85318 1995 DX_{4}	15.4	X	271.96059	258.15555	316.05814	10.94369	0.0227338	0.23192763	2.6236208	20	—	—
85319 1995 EJ_{4}	15.4	X	138.48577	242.30905	160.86971	6.36343	0.1277679	0.19846642	2.9107932	20	3 19.5	19.8
85320 Bertram	15.2	X	271.59396	187.64716	34.21549	5.04771	0.2019337	0.22886619	2.6469655	20	—	—
85321 1995 FK_{7}	15.2	X	90.61031	326.38191	140.35362	5.91175	0.0789750	0.23741893	2.5830084	20	4 4.3	18.5
85322 1995 GS_{5}	15.0	X	15.78372	333.95055	140.29540	3.17054	0.1541620	0.23010957	2.6374218	20	—	—
85323 1995 GF_{8}	14.7	X	195.65380	185.46064	12.58837	5.02532	0.0998870	0.17835839	3.1256500	20	11 17.8	19.4
85324 1995 HX_{2}	14.8	X	242.34165	170.64731	49.20510	13.26965	0.1099732	0.18361577	3.0656982	20	—	—
85325 1995 MO_{1}	14.9	X	313.54499	354.67387	192.10200	7.21064	0.1075146	0.18061589	3.0995507	20	1 1.6	19.4
85326 1995 OR_{6}	14.4	X	289.52566	77.24786	154.07850	15.08714	0.0829071	0.18250465	3.0781286	20	1 28.8	18.9
85327 1995 OR_{15}	14.4	X	214.13559	352.33354	291.61816	14.63916	0.0505373	0.17930962	3.1145859	20	1 13.3	18.9
85328 1995 PA	15.7	X	295.87480	316.50427	59.70906	3.50653	0.2050596	0.27540453	2.3396739	20	8 2.2	17.8
85329 1995 PQ	15.0	X	135.83434	256.16761	122.01162	14.90718	0.3750087	0.21692425	2.7432411	20	3 9.8	20.0
85330 1995 QO	15.9	X	114.05416	32.90892	346.64034	8.45880	0.3009132	0.21351845	2.7723354	20	2 14.1	20.1
85331 1995 QA_{13}	14.8	X	274.64946	5.50457	206.51160	6.02498	0.0332230	0.17285125	3.1916924	20	—	—
85332 1995 SH_{4}	15.3	X	134.50523	75.46721	321.17775	21.75907	0.3636084	0.21640003	2.7476695	20	3 15.6	20.5
85333 1995 SN_{13}	15.1	X	8.88162	332.66864	354.07406	2.32987	0.1531171	0.19841910	2.9112560	20	10 5.2	18.5
85334 1995 SY_{13}	17.1	X	191.36366	2.65611	171.26683	3.11034	0.0827245	0.28063878	2.3104909	20	11 5.3	20.2
85335 1995 SB_{15}	15.2	X	102.75469	52.18339	340.87399	4.94339	0.0837856	0.21475791	2.7616583	20	1 18.3	18.9
85336 1995 SJ_{27}	15.9	X	31.75006	277.20150	199.04307	0.28535	0.1094602	0.17274006	3.1930619	20	1 30.3	19.9
85337 1995 SW_{34}	16.2	X	28.39232	14.75075	6.14082	1.33097	0.1835924	0.24341985	2.5403802	20	—	—
85338 1995 SX_{37}	15.8	X	316.28308	152.96969	229.01109	0.35851	0.0577075	0.23733121	2.5836449	20	9 27.6	19.0
85339 1995 ST_{38}	15.6	X	24.84940	250.99752	206.42287	4.26409	0.0674031	0.17093834	3.2154596	20	—	—
85340 1995 SV_{42}	15.2	X	320.03277	93.82201	86.10031	2.41381	0.1204409	0.17382402	3.1797736	20	1 1.8	19.6
85341 1995 SL_{49}	14.7	X	288.96756	237.16224	0.00156	12.04029	0.1112051	0.21982319	2.7190700	20	1 31.3	18.7
85342 1995 SP_{52}	16.7	X	299.68251	94.59922	10.02315	3.01233	0.1663091	0.28079937	2.3096099	20	—	—
85343 1995 SX_{53}	14.6	X	95.76088	93.66764	316.22236	22.59018	0.2528442	0.21237987	2.7822350	20	2 18.9	18.5
85344 1995 SB_{64}	15.8	X	123.02120	347.57287	356.50232	3.40517	0.1017371	0.21049020	2.7988619	20	—	—
85345 1995 SH_{65}	15.0	X	217.95629	8.19152	271.65225	9.73919	0.2177278	0.21927796	2.7235753	20	1 4.3	19.6
85346 1995 SE_{71}	14.7	X	15.71138	283.56618	226.58031	10.93547	0.1000218	0.18101907	3.0949467	20	2 10.9	18.8
85347 1995 SU_{82}	15.8	X	212.27498	201.75875	359.77867	6.91171	0.0520135	0.28612723	2.2808493	20	—	—
85348 1995 SV_{82}	15.3	X	217.98853	310.88083	358.52122	9.52957	0.3258607	0.22092623	2.7100119	20	2 8.6	20.5
85349 1995 UP_{11}	15.1	X	141.22118	167.31886	200.84352	6.70796	0.1559927	0.21546506	2.7556125	20	2 7.3	19.4
85350 1995 UN_{13}	15.3	X	60.81629	330.14214	13.61623	1.96742	0.0740138	0.20303606	2.8669532	20	12 26.9	19.5
85351 1995 UC_{18}	15.1	X	254.33608	113.15757	198.32980	13.56986	0.0751024	0.18279736	3.0748418	20	3 26.1	19.6
85352 1995 UR_{43}	16.3	X	84.51123	150.59195	65.92704	7.16974	0.0304550	0.26889363	2.3772912	20	8 22.2	19.4
85353 1995 UE_{46}	16.1	X	271.32932	295.74957	11.61736	4.38046	0.1482614	0.30403122	2.1904025	20	3 23.8	18.7
85354 1995 UA_{67}	16.6	X	143.45633	341.66964	113.83277	3.45156	0.1908405	0.26009747	2.4305915	20	5 31.6	20.3
85355 1995 VN_{17}	15.5	X	139.06615	312.59035	47.13627	3.64556	0.2205086	0.21232064	2.7827524	20	2 5.2	19.9
85356 1995 WA_{3}	15.5	X	225.45924	149.57417	62.98658	10.51794	0.0985433	0.24233571	2.5479512	20	—	—
85357 1995 WW_{9}	15.9	X	257.10700	25.92587	40.38784	7.85226	0.0807521	0.27167441	2.3610412	20	9 6.5	18.8
85358 1995 WJ_{12}	16.0	X	23.47825	113.81505	93.77489	7.78740	0.0958872	0.25993131	2.4316272	20	5 12.5	18.5
85359 1995 WQ_{15}	15.4	X	355.25669	249.58537	26.09794	1.31768	0.1398518	0.18905521	3.0066089	20	6 27.9	18.8
85360 1995 WM_{16}	15.0	X	128.69088	108.90069	259.12580	2.87057	0.0476204	0.17172836	3.2055905	20	1 19.6	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
85361 1995 WO_{16}	15.4	X	293.46734	201.11424	29.05934	9.78066	0.1730891	0.17396662	3.1780356	20	1 25.3	20.2
85362 1995 WR_{32}	15.2	X	128.74158	345.81639	38.73301	14.43595	0.2095348	0.21443730	2.7644103	20	2 29.7	19.7
85363 1995 WY_{36}	14.7	X	215.30272	299.25919	84.32562	11.67804	0.1298177	0.18174138	3.0867408	20	5 11.4	19.6
85364 1995 YD_{7}	16.5	X	220.56051	233.31548	226.09005	6.41085	0.1251214	0.26898861	2.3767315	20	8 20.9	19.9
85365 1995 YB_{9}	16.4	X	239.66839	122.22608	85.26017	2.83294	0.1107870	0.28353549	2.2947274	20	—	—
85366 1996 AY_{13}	16.5	X	254.59679	1.84451	356.29239	7.44450	0.1677761	0.29740553	2.2228152	20	5 8.1	19.7
85367 1996 AO_{17}	16.6	X	147.25912	96.09477	181.56361	2.12803	0.1952497	0.27519023	2.3408884	20	—	—
85368 1996 CQ_{7}	15.6	X	154.35418	85.55898	82.51460	1.52865	0.2147724	0.26252347	2.4155941	20	9 12.5	19.6
85369 1996 DX_{2}	15.6	X	342.36528	96.04984	83.18921	4.29819	0.1529858	0.24386198	2.5373088	20	1 13.9	18.3
85370 1996 EW_{7}	16.7	X	115.35612	138.07982	153.14284	1.76721	0.1747396	0.26853880	2.3793848	20	—	—
85371 1996 EV_{8}	16.7	X	83.64680	163.09513	110.78790	2.40343	0.1087946	0.26483408	2.4015233	20	11 13.5	20.1
85372 1996 EO_{12}	15.5	X	256.35255	79.01608	302.52865	7.46307	0.2504341	0.30004463	2.2097619	20	6 3.5	18.7
85373 1996 FC_{1}	15.5	X	225.65525	273.55198	337.18831	4.67788	0.1327066	0.27672869	2.3322043	20	—	—
85374 1996 FC_{4}	15.2	X	191.46073	211.96581	29.81399	1.04907	0.0523504	0.19150936	2.9808678	20	—	—
85375 1996 GY_{4}	15.7	X	86.09144	97.33988	52.17254	5.54850	0.0298891	0.20905058	2.8116967	20	5 16.6	19.5
85376 1996 GU_{14}	15.8	X	326.74216	246.53074	89.10805	8.71264	0.1673557	0.25217712	2.4812218	20	8 6.5	18.1
85377 1996 GZ_{17}	15.7	X	261.96577	339.74303	206.55573	4.68045	0.0623965	0.27230144	2.3574152	20	—	—
85378 1996 GD_{19}	15.8	X	216.26622	221.95659	46.55244	7.79594	0.1203758	0.27488263	2.3426344	20	—	—
85379 1996 HY_{24}	16.0	X	140.37029	39.14880	190.04129	2.48555	0.1297035	0.26183275	2.4198405	20	11 15.2	19.7
85380 1996 JS	15.5	X	90.06132	59.39969	231.35498	3.76430	0.1976709	0.26099148	2.4250377	20	12 16.2	19.5
85381 1996 JL_{15}	15.9	X	266.75449	87.35590	216.92947	8.79016	0.1318880	0.24198478	2.5504140	20	3 18.5	19.7
85382 1996 LJ_{2}	15.9	X	307.36279	166.17391	204.27211	12.74016	0.2122660	0.25276588	2.4773674	20	8 6.3	18.6
85383 1996 MS	15.9	X	248.61372	222.37073	127.18646	6.88250	0.3671199	0.23721597	2.5844816	20	4 11.5	20.6
85384 1996 NZ	15.6	X	272.00697	2.98621	264.08788	0.26470	0.1448114	0.23505461	2.6003004	20	2 8.2	19.5
85385 1996 NJ_{5}	15.0	X	116.56143	44.01039	308.15172	1.58356	0.0507715	0.22312511	2.6921779	20	—	—
85386 Payton	14.6	X	108.74896	38.85964	310.61231	13.62128	0.1132146	0.22363555	2.6880798	20	—	—
85387 1996 PF_{7}	15.8	X	259.26522	137.77611	179.91169	2.00930	0.2207739	0.23680251	2.5874890	20	3 21.1	20.0
85388 Sakazukiyama	16.3	X	311.50647	137.67028	190.00265	3.95058	0.3123902	0.24304510	2.5429909	20	5 25.1	18.8
85389 Rosenauer	15.9	X	166.08663	184.13202	150.17378	3.48389	0.1241752	0.22710261	2.6606514	20	1 19.8	20.0
85390 1996 QZ_{2}	15.1	X	219.14247	91.05051	250.76454	2.71974	0.2613546	0.23345393	2.6121729	20	3 13.8	19.7
85391 1996 RW_{11}	15.8	X	54.41574	314.71062	13.54365	3.96143	0.0989832	0.21246875	2.7814591	20	12 5.3	19.8
85392 1996 RR_{13}	15.0	X	66.53221	353.56180	350.20194	4.26301	0.1255734	0.21460923	2.7629336	20	—	—
85393 1996 RF_{17}	14.8	X	336.87628	35.52259	356.95682	5.81891	0.0710222	0.20893824	2.8127044	20	11 4.5	18.4
85394 1996 RT_{32}	12.6	X	356.91830	236.03767	123.68324	5.61654	0.0529674	0.08387433	5.1687238	20	10 3.1	19.2
85395 1996 SQ_{4}	15.1	X	85.76208	275.02579	200.00497	27.31129	0.1535791	0.22702517	2.6612563	20	4 19.4	18.6
85396 1996 SB_{7}	15.4	X	331.73415	149.09898	195.07615	14.81807	0.2675762	0.24435197	2.5339157	20	8 18.0	17.5
85397 1996 TN_{3}	15.0	X	189.90958	223.66808	178.05066	13.05916	0.1686765	0.23352217	2.6116640	20	5 7.4	19.4
85398 1996 TH_{6}	15.2	X	180.81469	117.31635	243.01868	11.67536	0.3154409	0.22716720	2.6601470	20	3 5.9	20.4
85399 1996 TG_{8}	14.5	X	85.07533	192.40599	188.10133	11.38192	0.1070985	0.22039503	2.7143646	20	—	—
85400 Shiratakachu	15.8	X	274.23744	0.96871	14.45143	0.76822	0.2108660	0.23947146	2.5682278	20	6 21.9	19.0
85401 Yamatenclub	15.0	X	299.00685	40.23976	2.06989	3.49802	0.1242921	0.24479516	2.5308564	20	9 23.8	17.6
85402 1996 TO_{15}	15.2	X	102.86430	190.62026	158.31008	2.09496	0.0916735	0.21809179	2.7334418	20	—	—
85403 1996 TY_{27}	15.0	X	314.29258	46.10395	96.53561	5.73455	0.1994237	0.17304031	3.1893672	20	—	—
85404 1996 TD_{33}	15.0	X	18.63809	138.00955	222.01710	7.20390	0.2391665	0.21013679	2.8019991	20	12 19.9	18.5
85405 1996 TO_{39}	15.1	X	313.09348	289.50107	91.07786	3.02496	0.1809180	0.24578106	2.5240838	20	9 14.5	17.3
85406 1996 TL_{45}	14.9	X	39.92659	37.49988	125.63056	6.02081	0.1125553	0.18636564	3.0354668	20	4 13.8	18.7
85407 1996 TY_{45}	15.8	X	26.77778	139.96058	201.58650	1.39803	0.0771030	0.20613955	2.8381052	20	11 13.0	19.5
85408 1996 TB_{55}	15.0	X	345.58524	163.99086	230.43619	12.10346	0.2241252	0.20927615	2.8096759	20	12 6.0	17.8
85409 1996 UO_{2}	15.8	X	158.80764	208.71206	221.89790	4.71164	0.0458065	0.18875984	3.0097446	20	5 7.7	20.2
85410 1996 UJ_{4}	15.0	X	351.50881	216.21216	207.29561	25.14749	0.1379246	0.21108445	2.7936064	20	—	—
85411 Paulflora	15.8	X	155.49757	136.01281	228.53765	4.32206	0.0723773	0.22293269	2.6937268	20	2 9.2	19.8
85412 1996 VS_{10}	16.1	X	276.71969	321.93191	2.49026	11.64609	0.2388247	0.23636625	2.5906719	20	4 11.3	19.9
85413 1996 VK_{11}	15.3	X	206.17541	343.43605	346.93953	9.81478	0.1145363	0.18597672	3.0396972	20	2 27.6	20.1
85414 1996 VN_{17}	15.6	X	322.98222	171.41315	193.73080	1.64002	0.0750386	0.20055881	2.8905127	20	9 7.4	19.3
85415 1996 VE_{38}	15.0	X	291.80145	286.11416	52.94321	12.55947	0.3360401	0.23997035	2.5646670	20	5 7.5	18.5
85416 1996 XN_{2}	15.7	X	302.32108	78.41707	287.77039	2.64831	0.2528828	0.24122934	2.5557359	20	7 16.0	18.2
85417 1996 XQ_{3}	14.9	X	63.19590	254.64584	25.19628	12.39895	0.0805337	0.20237802	2.8731645	20	10 13.4	18.8
85418 1996 XQ_{14}	15.0	X	48.39586	25.75787	94.66617	7.38933	0.0742353	0.17454854	3.1709683	20	2 29.8	19.2
85419 1996 XX_{16}	16.4	X	306.88857	188.09431	54.70204	2.69826	0.0861942	0.26667104	2.3904820	20	2 24.6	19.2
85420 1996 XB_{17}	14.5	X	122.02430	34.95085	63.23666	7.27676	0.1782510	0.18477387	3.0528749	20	5 14.0	19.2
85421 1996 XL_{30}	15.4	X	166.97136	151.07602	195.33226	3.00939	0.2047616	0.21695814	2.7429554	20	2 9.7	20.0
85422 Maedanaoe	15.4	X	167.60371	275.04162	104.89312	13.38571	0.2853374	0.22422232	2.6833881	20	3 30.6	20.4
85423 1996 XX_{36}	15.1	X	40.37432	248.46455	241.97336	8.71727	0.1880256	0.17797636	3.1301214	20	3 3.4	18.7
85424 1997 AA_{3}	13.6	X	140.94745	68.10678	321.48870	15.37611	0.2535425	0.17840413	3.1251158	20	3 11.2	19.0
85425 1997 AM_{3}	15.8	X	83.60015	83.49267	109.46233	5.05716	0.1130009	0.27023685	2.3694070	20	7 27.7	18.8
85426 1997 AK_{12}	16.3	X	325.72525	139.92542	122.83303	0.40397	0.1539015	0.30698849	2.1763128	20	4 5.9	18.1
85427 1997 AE_{13}	15.6	X	64.57206	118.54261	74.48076	7.63269	0.1904497	0.26656522	2.3911146	20	7 13.9	18.5
85428 1997 AN_{16}	14.5	X	266.81741	271.16023	1.96180	11.05775	0.1990133	0.17502286	3.1652367	20	2 14.9	19.5
85429 1997 AJ_{18}	14.9	X	43.07780	13.89906	271.63184	9.81589	0.0571665	0.19295871	2.9659224	20	9 13.3	19.1
85430 1997 BW_{5}	16.8	X	98.25836	133.41037	324.18763	2.33535	0.0826545	0.30286826	2.1960061	20	3 24.7	19.1
85431 1997 BE_{6}	15.1	X	78.12596	97.04007	143.51407	12.30818	0.1052636	0.18934232	3.0035688	20	9 15.1	19.4
85432 1997 CK_{19}	15.0	X	139.23818	98.61576	305.97483	20.63772	0.1901059	0.22095621	2.7097667	20	3 13.7	19.7
85433 1997 CJ_{22}	16.2	X	74.01413	346.39585	170.87583	2.95844	0.1322834	0.26409808	2.4059830	20	5 26.8	19.0
85434 1997 CR_{24}	15.2	X	160.83774	303.10411	128.45216	12.08577	0.0790508	0.18206180	3.0831181	20	5 16.8	20.1
85435 1997 EU_{3}	16.6	X	22.60583	62.73533	164.49569	0.44406	0.1053421	0.30469006	2.1872438	20	6 9.2	18.5
85436 1997 EU_{16}	15.3	X	308.89085	343.51089	12.18604	0.75770	0.2376737	0.18340972	3.0679939	20	7 11.2	18.6
85437 1997 EX_{31}	16.4	X	257.13745	17.77863	182.89561	7.62195	0.1684096	0.28694860	2.2764947	20	—	—
85438 1997 EH_{37}	16.2	X	66.41235	13.65161	115.15286	5.00871	0.0772819	0.30275722	2.1965430	20	3 23.7	18.4
85439 1997 EP_{40}	16.4	X	247.31279	104.56910	50.26907	5.16424	0.0807061	0.28184632	2.3038868	20	12 24.2	19.0
85440 1997 EB_{47}	16.2	X	140.79897	231.41809	357.83155	2.39280	0.1967040	0.27454784	2.3445384	20	11 15.8	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
85441 1997 FX_2	16.7	X	194.97270	275.12665	239.97150	2.22327	0.1660038	0.27535719	2.3399421	20	10 4.6	20.2
85442 1997 GW_1	16.6	X	243.47921	142.87283	199.43738	2.43701	0.0863979	0.25979705	2.4324649	20	4 17.0	19.9
85443 1997 GZ_4	16.7	X	20.91475	138.06453	172.35436	1.92336	0.1953328	0.27012737	2.3700472	20	10 26.9	19.3
85444 1997 GL_6	15.3	X	69.26335	217.25514	190.17043	3.27554	0.1349749	0.28705237	2.2759460	20	—	—
85445 1997 GV_7	15.5	X	89.99515	317.01058	48.00147	8.32924	0.1419792	0.28290119	2.2981561	20	—	—
85446 1997 GK_9	15.9	X	12.98217	117.47431	355.88602	8.00111	0.0611330	0.29060784	2.2573445	20	—	—
85447 1997 GQ_{11}	15.7	X	30.34380	64.79867	358.91377	6.85980	0.1009733	0.28701688	2.2761336	20	—	—
85448 1997 GR_{11}	16.2	X	220.59533	84.90803	229.32858	3.86948	0.1744688	0.29328766	2.2435729	20	2 7.9	19.8
85449 1997 GA_{17}	15.9	X	160.58436	7.23702	347.75481	2.00171	0.1019619	0.29258850	2.2471456	20	1 29.8	18.9
85450 1997 GB_{18}	15.9	X	125.01629	258.71335	73.94248	1.37253	0.2415425	0.28370552	2.2938104	20	—	—
85451 1997 GC_{18}	15.9	X	143.70468	20.64382	186.18576	6.58389	0.1511386	0.23089045	2.6314719	20	10 17.7	20.2
85452 1997 GA_{23}	16.1	X	183.13397	125.83391	181.14191	3.74054	0.2124826	0.28534548	2.2850132	20	—	—
85453 1997 GF_{31}	15.8	X	342.52247	142.86059	16.81159	7.33967	0.0315098	0.25014127	2.4946664	20	1 4.1	19.0
85454 1997 GH_{35}	16.1	X	273.70652	353.61995	185.60480	6.26332	0.0498780	0.28409349	2.2917216	20	—	—
85455 1997 HJ	16.2	X	168.44120	169.16261	38.59209	4.43088	0.1704749	0.27553783	2.3389192	20	11 14.9	19.9
85456 1997 HW	16.4	X	326.19485	309.02600	43.08325	3.48464	0.1780248	0.30900399	2.1668391	20	9 14.9	17.5
85457 1997 HQ_3	16.5	X	243.59631	154.55437	72.23855	6.92295	0.0772590	0.28491759	2.2873004	20	—	—
85458 1997 HD_8	14.4	X	348.82010	201.43792	44.88194	5.77912	0.0909415	0.17303940	3.1893784	20	5 8.5	18.4
85459 1997 HZ_{10}	15.5	X	155.93359	296.31820	23.67170	3.27591	0.2228771	0.28329161	2.2960442	20	—	—
85460 1997 HG_{12}	16.3	X	219.38796	65.06658	205.53545	6.26769	0.1201305	0.28687777	2.2768694	20	—	—
85461 1997 HP_{12}	16.5	X	214.11389	347.66715	207.24169	3.58975	0.1803783	0.27948378	2.3168521	20	12 16.4	19.6
85462 1997 HL_{13}	16.2	X	237.37957	178.52968	59.15022	7.42682	0.0709760	0.28597739	2.2816460	20	—	—
85463 1997 JR_1	14.7	X	325.38493	127.43008	160.98112	2.04348	0.1191533	0.17449028	3.1716742	20	5 25.2	18.6
85464 1997 JH_3	14.6	X	278.37703	250.45444	197.22484	9.94836	0.1001088	0.19238813	2.9717837	20	10 16.0	18.5
85465 1997 JE_{14}	14.8	X	117.96693	155.28174	60.48193	25.03664	0.2086294	0.27028778	2.3691094	20	10 22.4	19.0
85466 Krastins	15.2	X	19.08251	53.10803	205.80472	4.37862	0.0669250	0.21871125	2.7282781	20	7 12.8	18.5
85467 1997 KK_3	16.5	X	304.69830	232.54246	110.75390	4.66695	0.2319030	0.30224100	2.1990434	20	6 22.1	18.1
85468 1997 LP_1	15.8	X	274.53121	146.05366	146.17783	7.12617	0.1270146	0.29419446	2.2389603	20	3 11.6	18.8
85469 1997 LJ_2	15.7	X	71.33726	230.58447	103.16065	5.66311	0.2092187	0.23072515	2.6327286	20	—	—
85470 1997 LN_2	14.2	X	195.51669	264.22357	139.47982	15.73935	0.0420123	0.17033906	3.2229968	20	5 21.0	19.2
85471 Maryam	16.2	X	186.03561	104.52991	67.14900	25.47783	0.2318864	0.27332357	2.3515343	20	10 25.1	20.4
85472 Xizezong	15.6	X	219.71885	349.98061	249.32752	9.28753	0.2010073	0.28045962	2.3114748	20	—	—
85473 1997 LV_5	16.7	X	325.54902	45.32672	285.96173	0.46750	0.2012612	0.25699654	2.4501040	20	7 22.1	18.4
85474 1997 LN_{15}	15.9	X	194.69307	105.45783	209.34580	4.53433	0.2163264	0.28616232	2.2806628	20	1 19.3	19.7
85475 1997 LH_{17}	15.8	X	45.48860	96.16745	143.00153	2.84023	0.0841975	0.30476409	2.1868896	20	8 6.6	18.1
85476 1997 MY	15.6	X	235.22774	180.10125	195.71152	2.56749	0.2265067	0.29354303	2.2422715	20	5 9.2	19.1
85477 1997 MQ_2	16.4	X	8.79330	165.79466	167.58092	1.47021	0.2035533	0.26354014	2.4093776	20	11 8.5	18.6
85478 1997 MK_5	16.0	X	359.12227	313.88816	13.87955	1.01973	0.2037898	0.26182998	2.4198576	20	10 11.1	17.9
85479 1997 NF_3	16.1	X	127.62280	291.74590	65.03914	3.87974	0.2103857	0.27810746	2.3244897	20	1 9.9	19.1
85480 1997 NB_8	16.1	X	206.50238	68.59066	276.56994	2.36317	0.2049027	0.28780044	2.2720005	20	3 5.7	19.8
85481 1997 OG_1	15.2	X	285.22784	288.78567	300.51485	22.16499	0.2504567	0.28742353	2.2739863	20	—	—
85482 1997 PL_2	16.7	X	156.00504	122.80497	223.48838	1.53944	0.1878737	0.27961800	2.3161106	20	1 23.2	20.0
85483 1997 QG_2	14.4	X	350.35347	238.79034	158.39112	33.89677	0.3384046	0.21951641	2.7216027	20	—	—
85484 1997 QV_2	15.3	X	231.36039	79.06532	291.87878	4.65046	0.1833519	0.28994453	2.2607859	20	4 30.1	18.9
85485 1997 RJ_2	15.9	X	62.41710	229.82324	167.65779	2.62958	0.1716836	0.26930348	2.3748786	20	—	—
85486 1997 RG_{13}	16.2	X	116.16528	164.59793	190.94057	1.78180	0.2190281	0.27474850	2.3433968	20	—	—
85487 1997 SC_1	16.6	X	158.46012	48.70098	243.37663	1.25613	0.2134950	0.27519685	2.3408508	20	—	—
85488 1997 SH_2	16.7	X	125.49117	168.81486	175.45323	2.87424	0.1900475	0.27463559	2.3440390	20	—	—
85489 1997 SV_2	14.9	X	59.82988	134.85924	191.30974	23.71676	0.2354424	0.17848003	3.1242297	20	12 18.3	20.1
85490 1997 SE_5	14.6	X	59.88477	93.95775	247.78103	2.57611	0.6608079	0.13516203	3.7603903	20	1 3.2	19.0
85491 1997 SL_{11}	16.6	X	167.07860	299.57322	358.02020	2.60165	0.1745732	0.27595595	2.3365561	20	—	—
85492 1997 SE_{19}	16.2	X	161.77177	17.47176	273.51303	1.53091	0.1220593	0.27344971	2.3508111	20	—	—
85493 1997 SF_{19}	16.2	X	162.90800	305.64187	337.82319	3.71586	0.1495179	0.27308751	2.3528893	20	—	—
85494 1997 TS	16.2	X	121.43247	29.00109	283.44578	8.30892	0.0470305	0.26760991	2.3848876	20	—	—
85495 1997 TT_5	15.7	X	79.17372	341.00248	55.29751	3.15064	0.2100388	0.27250129	2.3562625	20	—	—
85496 1997 TO_6	15.2	X	322.32869	314.36008	36.69005	8.88661	0.2046910	0.21100714	2.7942888	20	8 13.3	18.1
85497 1997 TP_{11}	15.4	X	69.33315	165.43240	308.63960	0.89750	0.0333493	0.19686733	2.9265343	20	3 10.7	19.4
85498 1997 TQ_{12}	12.9	X	295.95683	179.56062	236.64549	3.84256	0.0611549	0.08165928	5.2617758	20	9 16.3	19.8
85499 1997 TH_{13}	15.8	X	248.58901	357.32248	348.04584	2.95722	0.1936895	0.20364787	2.8612083	20	4 17.3	20.4
85500 1997 TP_{13}	15.8	X	47.39971	42.57354	356.98247	3.57746	0.1958902	0.27014206	2.3699612	20	—	—
85501 1997 TP_{23}	15.9	X	122.57310	44.65013	220.47749	5.79165	0.2090407	0.26365560	2.4086742	20	12 13.3	20.0
85502 1997 TZ_{23}	15.6	X	333.72914	218.66147	221.38945	1.34378	0.0777576	0.17653942	3.1470834	20	12 23.6	19.6
85503 1997 TF_{25}	15.9	X	59.24306	340.34630	53.66009	5.72886	0.1878421	0.27066337	2.3669172	20	—	—
85504 1997 TC_{26}	15.4	X	333.21156	306.54155	43.63599	5.56589	0.2092930	0.25605179	2.4561271	20	9 16.4	17.2
85505 1997 UU_3	15.0	X	148.72892	109.34850	225.65017	24.91006	0.2818328	0.27468343	2.3437668	20	1 6.5	19.2
85506 1997 UU_4	15.6	X	105.70739	306.98893	45.04877	6.31784	0.2834586	0.27099304	2.3649972	20	—	—
85507 1997 UD_5	15.1	X	4.07815	266.87110	181.52779	13.27852	0.1446348	0.22517800	2.6757903	20	—	—
85508 1997 UD_7	15.8	X	321.48464	127.10118	244.14652	6.39210	0.0342534	0.25388135	2.4701056	20	9 21.3	18.9
85509 1997 UY_7	16.1	X	104.56057	92.86552	288.08392	1.03655	0.2167669	0.27332183	2.3515443	20	1 13.4	18.5
85510 1997 UZ_7	15.8	X	357.26744	107.67756	239.33054	14.70952	0.2102962	0.25798729	2.4438273	20	11 4.8	18.1
85511 Celnik	16.2	X	22.48111	239.89232	98.81694	2.38270	0.2045300	0.26087969	2.4257304	20	12 6.1	19.2
85512 Rieugnie	15.3	X	87.52994	4.05288	5.65181	6.66921	0.2005219	0.27087318	2.3656948	20	—	—
85513 1997 UE_{11}	16.3	X	126.77218	154.09630	200.23117	1.60946	0.2226280	0.27378134	2.3489124	20	1 7.5	19.3
85514 1997 UD_{16}	15.6	X	91.36991	285.44465	19.33830	2.74489	0.2069430	0.26492016	2.4010030	20	—	—
85515 1997 UT_{24}	16.1	X	88.69823	101.05451	279.41878	2.20573	0.2427232	0.27168376	2.3609870	20	—	—
85516 Vaclík	16.4	X	117.25437	310.33874	60.30822	5.77037	0.2445995	0.27382982	2.3486351	20	1 22.0	19.4
85517 1997 VL_1	15.2	X	56.03675	50.03304	41.06283	6.61489	0.1517788	0.27364461	2.3496948	20	1 20.6	17.4
85518 1997 VC_3	15.2	X	90.79663	163.70629	236.68347	3.48074	0.3196636	0.22873869	2.6479491	20	2 11.6	18.5
85519 1997 VR_8	15.6	X	196.82360	349.67743	237.02118	8.11520	0.0266040	0.22034205	2.7147997	20	—	—
85520 1997 WO_2	15.2	X	140.90063	293.55378	93.48375	6.68849	0.1659186	0.27627920	2.3347332	20	3 1.1	18.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
85521 1997 WW_2	16.4	X	121.24390	49.23148	328.05851	1.28504	0.2339249	0.27314822	2.3525406	20	2 1.8	19.3
85522 1997 WT_4	16.3	X	14.14902	335.63485	41.48160	3.54772	0.1874184	0.26190457	2.4193981	20	—	—
85523 1997 WM_5	15.1	X	175.13974	185.24136	63.25037	10.37992	0.1710148	0.22077990	2.7112092	20	12 31.1	19.5
85524 1997 WZ_8	15.6	X	208.69484	88.81114	263.88230	3.49243	0.0752842	0.23944801	2.5683955	20	3 21.9	19.5
85525 1997 WJ_{10}	15.7	X	156.40135	131.71086	186.14497	3.76288	0.0770753	0.22681250	2.6629196	20	—	—
85526 1997 WM_{10}	15.4	X	130.48248	137.64786	237.17299	4.85622	0.1743924	0.27584241	2.3371972	20	1 30.0	18.6
85527 1997 WT_{10}	15.9	X	16.35020	343.44446	304.63120	1.05305	0.0426698	0.20727940	2.8276911	20	8 15.6	19.6
85528 1997 WP_{12}	15.8	X	92.21128	53.32005	350.30281	0.85575	0.1811799	0.18667988	3.0320594	20	2 4.6	19.8
85529 1997 WW_{12}	15.8	X	133.29673	92.42630	231.64514	5.93936	0.1382609	0.27056199	2.3675084	20	—	—
85530 1997 WN_{15}	16.4	X	61.74408	243.65064	89.20365	3.08126	0.2193877	0.26299966	2.4126774	20	—	—
85531 1997 WU_{17}	15.1	X	19.37577	17.45832	25.08846	9.60493	0.1284631	0.22081808	2.7108966	20	—	—
85532 1997 WD_{21}	14.3	X	59.10680	160.54841	242.60456	13.49145	0.1519682	0.22353157	2.6889134	20	—	—
85533 1997 WM_{22}	15.8	X	72.03419	247.72292	95.64070	5.57838	0.1421031	0.26367359	2.4085646	20	—	—
85534 1997 WB_{26}	15.5	X	38.95253	65.43806	336.17225	0.68053	0.1894449	0.26682713	2.3895497	20	—	—
85535 1997 WZ_{27}	15.5	X	47.37004	243.76006	31.13453	2.50600	0.1811732	0.25446732	2.4663121	20	10 10.1	18.5
85536 1997 WN_{31}	16.0	X	322.61860	230.69280	174.94503	2.25689	0.2016778	0.25723616	2.4485823	20	11 18.7	17.6
85537 1997 WP_{31}	14.7	X	123.24348	149.58495	234.10999	13.59403	0.0817131	0.23046952	2.6346750	20	1 23.9	18.6
85538 1997 WW_{34}	15.1	X	337.05415	344.51799	98.91822	6.19610	0.1356211	0.21830648	2.7316494	20	—	—
85539 1997 WG_{37}	14.2	X	260.43189	334.69292	231.20775	14.66785	0.0524656	0.22364278	2.6880219	20	—	—
85540 1997 WP_{37}	15.0	X	65.28228	177.56428	212.69218	3.30008	0.1019882	0.22383151	2.6865106	20	—	—
85541 1997 WX_{37}	15.6	X	102.24430	179.03583	151.91392	2.79287	0.2109955	0.26683341	2.3895122	20	—	—
85542 1997 WU_{41}	14.6	X	49.85738	354.89954	83.62778	7.44786	0.1417573	0.22608262	2.6686478	20	—	—
85543 1997 WP_{46}	15.7	X	57.71422	129.69492	277.65274	0.39848	0.2075041	0.22464811	2.6799963	20	—	—
85544 1997 WJ_{50}	15.3	X	354.62762	191.67963	229.15870	7.68518	0.0694265	0.21914800	2.7246520	20	—	—
85545 1997 WL_{55}	14.2	X	45.95034	338.66001	60.88041	18.82591	0.1662321	0.17852500	3.1237050	20	—	—
85546 1997 XH_1	16.0	X	115.65976	349.13645	6.50085	3.04762	0.3200578	0.26970224	2.3725371	20	1 11.4	19.1
85547 1997 XF_{10}	15.8	X	50.85306	47.87250	20.23365	8.14247	0.1867980	0.27320190	2.3522325	20	—	—
85548 1997 XX_{13}	15.8	X	123.33083	329.86488	88.40861	7.34582	0.2446462	0.27813998	2.3243085	20	4 1.8	19.3
85549 1997 YH	15.4	X	322.93048	148.47589	254.14263	7.16373	0.1138164	0.25497256	2.4630530	20	11 9.7	17.8
85550 1997 YW	13.9	X	123.46736	134.43309	270.21219	11.39400	0.1857069	0.22977526	2.6399794	20	3 2.4	18.0
85551 1997 YZ_1	15.6	X	103.19977	352.95246	58.96215	3.19006	0.2154052	0.27259468	2.3557243	20	2 24.2	18.4
85552 1997 YR_7	14.5	X	220.16388	92.01371	299.71661	13.94231	0.1122210	0.23901356	2.5715069	20	5 21.8	18.6
85553 1997 YK_{10}	14.8	X	110.59242	142.05756	325.07519	8.06821	0.1756766	0.23324124	2.6137607	20	5 8.6	18.8
85554 1997 YF_{14}	15.4	X	215.18512	156.61599	294.11258	5.12264	0.1614869	0.24329172	2.5412721	20	7 30.9	19.1
85555 1997 YG_{14}	14.5	X	116.38024	165.67751	301.81958	13.61412	0.0581324	0.23253701	2.6190352	20	4 28.1	18.5
85556 1997 YV_{16}	15.3	X	274.98395	57.83362	324.73106	2.44924	0.1746190	0.24518315	2.5281857	20	7 9.4	18.6
85557 1997 YY_{16}	15.1	X	172.20372	46.92910	354.77445	5.38304	0.1624462	0.28413732	2.2914860	20	4 14.9	18.6
85558 1998 AB_3	14.0	X	16.19475	105.39161	304.61789	9.45102	0.1525686	0.17281240	3.1921708	20	—	—
85559 Villecroze	15.5	X	290.05088	148.85163	101.55825	10.06818	0.0874543	0.22786102	2.6547443	20	2 19.1	19.2
85560 1998 BN	14.1	X	160.90915	114.40495	341.16907	9.91571	0.0633833	0.19191054	2.9767120	20	6 10.6	18.7
85561 1998 BF_2	14.4	X	21.15126	309.69703	117.97871	16.77677	0.2065874	0.21895117	2.7262847	20	—	—
85562 1998 BC_3	15.9	X	47.10348	266.38163	140.58548	3.26921	0.2425247	0.26782280	2.3836236	20	—	—
85563 1998 BF_7	15.8	X	167.74282	260.36092	131.68608	23.80202	0.1212184	0.36337359	1.9449143	20	3 30.9	18.7
85564 1998 BU_7	14.9	X	197.98774	303.86893	79.83391	13.22325	0.2741031	0.23936199	2.5690107	20	4 23.5	19.7
85565 1998 BD_9	15.6	X	57.97973	197.97284	334.55067	6.22032	0.0665577	0.27636293	2.3342616	20	5 9.6	18.4
85566 1998 BM_9	15.2	X	20.96777	72.83296	292.52142	0.85544	0.1984307	0.21017463	2.8016628	20	12 23.8	18.7
85567 1998 BU_9	15.4	X	95.46079	155.29373	98.96370	6.88453	0.0484857	0.21065493	2.7974026	20	10 19.9	19.4
85568 1998 BN_{14}	15.1	X	140.37005	184.91942	291.56495	10.52157	0.1189195	0.23691481	2.5866713	20	6 19.9	19.1
85569 1998 BG_{18}	15.4	X	265.15702	301.85267	108.60311	3.21440	0.0424321	0.19764378	2.9188646	20	8 20.4	19.3
85570 1998 BU_{20}	15.8	X	274.94739	168.01380	120.31624	6.49573	0.1118940	0.23033579	2.6356947	20	3 16.3	19.5
85571 1998 BV_{21}	13.6	X	113.96101	49.56373	296.87856	13.11905	0.3641022	0.17912075	3.1167749	20	1 15.9	18.5
85572 1998 BY_{28}	14.2	X	287.08580	279.63148	312.86904	17.14118	0.1596561	0.17709386	3.1405114	20	1 21.3	18.9
85573 1998 CE	15.3	X	266.58650	70.21088	355.48713	1.93562	0.0408123	0.20371874	2.8605446	20	9 11.5	19.1
85574 1998 CG	15.2	X	163.04066	305.20960	185.06366	5.07575	0.0565845	0.19579678	2.9371921	20	7 26.9	19.6
85575 1998 DC_1	14.5	X	20.70872	133.64574	345.18396	13.06348	0.1617271	0.17721773	3.1390479	20	1 18.4	18.2
85576 1998 DH_1	15.4	X	71.22246	227.38481	328.72812	2.01094	0.1227513	0.19031847	2.9932898	20	7 11.7	19.4
85577 1998 DC_2	13.5	X	11.35287	4.60399	28.68890	4.52149	0.2144771	0.12408490	3.9809809	20	12 19.6	18.3
85578 1998 DP_{13}	15.3	X	344.44777	284.53756	342.02405	28.32866	0.3187188	0.22744591	2.6579734	20	4 12.2	18.1
85579 1998 DQ_{19}	16.0	X	198.16199	258.08696	97.66032	3.17958	0.1014911	0.22651046	2.6652863	20	3 18.8	20.1
85580 1998 DO_{20}	14.0	X	153.69463	94.85411	332.64486	13.94736	0.0340489	0.23079128	2.6322257	20	4 17.9	18.0
85581 1998 DZ_{20}	13.8	X	345.36822	349.40100	336.84754	13.41931	0.1634648	0.24041131	2.5615301	20	8 29.5	15.8
85582 1998 DW_{24}	15.4	X	231.52227	12.32937	294.25569	12.95865	0.1800556	0.22532975	2.6745888	20	2 12.4	19.9
85583 1998 EV_{10}	14.3	X	1.84336	277.77069	129.20948	9.24008	0.2902462	0.21101406	2.7942277	20	—	—
85584 1998 EN_{20}	15.1	X	162.41260	105.86034	356.86633	2.51517	0.0594819	0.19077637	2.9884982	20	6 22.1	19.5
85585 Mjolnir	21.6	X	50.63603	95.39691	2.32932	4.08260	0.3564862	0.66684773	1.2975326	20	—	—
85586 1998 FP_8	15.0	X	227.89491	337.42599	18.83986	13.90973	0.1901191	0.22653227	2.6651152	20	4 11.4	19.2
85587 1998 FE_{14}	14.6	X	350.81510	47.42515	169.62862	13.74935	0.1976276	0.17914072	3.1165434	20	3 27.8	17.9
85588 1998 FA_{15}	13.9	X	220.10882	47.99278	326.44097	14.69886	0.1537530	0.23165272	2.6256961	20	4 21.8	18.4
85589 1998 FE_{25}	14.2	X	295.35683	38.92146	336.09129	13.16390	0.2050170	0.24047296	2.5610922	20	7 28.8	17.1
85590 1998 FC_{39}	15.2	X	60.74820	330.62192	181.48182	15.37551	0.1646679	0.18285322	3.0742155	20	5 8.8	19.3
85591 1998 FR_{46}	13.5	X	188.43428	342.73904	2.94430	27.23710	0.1859903	0.22044830	2.7139273	20	3 5.8	18.2
85592 1998 FN_{47}	14.6	X	268.93669	245.72653	351.66080	9.79434	0.0414970	0.17254916	3.1954166	20	1 22.8	19.3
85593 1998 FD_{57}	15.0	X	32.37850	66.04106	177.01387	3.35784	0.2619462	0.18700015	3.0285964	20	8 6.1	18.4
85594 1998 FT_{60}	15.7	X	97.97304	327.09797	183.01947	5.98454	0.0463615	0.27442546	2.3452354	20	6 5.9	18.7
85595 1998 FB_{71}	14.2	X	139.86077	249.31387	193.58836	11.98622	0.1554044	0.22755923	2.6570909	20	5 10.9	18.4
85596 1998 FU_{77}	14.7	X	13.08006	42.67205	161.42921	9.01355	0.1146762	0.18002597	3.1063182	20	4 24.5	18.5
85597 1998 FF_{82}	14.3	X	23.40649	122.72913	25.43941	12.65358	0.1838961	0.22382438	2.6865677	20	2 25.3	17.0
85598 1998 FZ_{86}	14.3	X	286.62053	70.09004	35.62514	10.14937	0.0222007	0.29422121	2.2388246	20	12 24.1	17.0
85599 1998 FX_{87}	16.0	X	57.03897	86.79409	108.94369	4.86462	0.0853857	0.27589759	2.3368855	20	6 17.9	18.6
85600 1998 FU_{93}	14.6	X	342.86702	166.79045	42.38630	13.86154	0.1245939	0.17850938	3.1238873	20	3 16.2	18.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
85601 1998 FU_{121}	14.6	X	20.21850	52.69739	54.77998	1.55536	0.1550089	0.17210253	3.2009426	20	—	—
85602 1998 FE_{122}	15.6	X	199.62445	244.60238	14.06901	6.13119	0.0648866	0.25444420	2.4664615	20	—	—
85603 1998 FV_{122}	15.3	X	56.27457	36.02243	193.90466	11.76717	0.1387853	0.23234219	2.6204990	20	8 7.9	18.9
85604 1998 FT_{125}	15.2	X	178.70149	232.42924	356.29878	14.78302	0.0989256	0.20377689	2.8600004	20	12 11.1	19.8
85605 1998 FO_{132}	14.3	X	276.50683	234.72387	2.90992	11.19166	0.2206962	0.17188416	3.2036531	20	1 11.2	19.5
85606 1998 FP_{139}	15.3	X	334.75581	121.45118	51.05338	2.42164	0.1359984	0.17255298	3.1953694	20	1 11.1	19.5
85607 1998 FV_{146}	14.8	X	354.94882	2.33563	166.61301	5.62117	0.0910992	0.17509669	3.1643469	20	2 8.1	18.9
85608 1998 GC_{7}	14.8	X	125.79276	75.69354	131.49866	16.55433	0.1481470	0.19520963	2.9430788	20	10 2.1	19.7
85609 1998 HZ_{8}	16.2	X	263.85959	338.18858	66.78921	7.49562	0.1814798	0.28053904	2.3110385	20	7 28.8	19.1
85610 1998 HC_{11}	15.2	X	272.83228	157.95396	76.22859	6.39088	0.0959162	0.16973665	3.2306182	20	1 15.5	20.0
85611 1998 HW_{16}	16.0	X	233.69249	102.00461	171.43689	8.01435	0.0590614	0.25894881	2.4377740	20	1 8.6	19.6
85612 1998 HL_{23}	15.9	X	56.28894	52.67960	187.44272	11.55887	0.1338472	0.23367823	2.6105011	20	8 22.1	19.4
85613 1998 HC_{33}	14.4	X	31.21813	98.22430	19.26522	14.40415	0.1433761	0.17367369	3.1816082	20	2 7.6	18.4
85614 1998 HR_{36}	14.4	X	7.17456	138.01887	29.89145	9.26468	0.1610881	0.17574684	3.1565381	20	2 27.9	18.1
85615 1998 HE_{37}	15.6	X	269.41482	359.73385	231.68205	3.56545	0.1392080	0.25880371	2.4386851	20	—	—
85616 1998 HA_{42}	14.6	X	311.75572	106.99398	182.06823	10.29632	0.1159660	0.18133459	3.0913555	20	5 6.9	18.7
85617 1998 HJ_{86}	16.0	X	230.99052	242.13256	13.70369	0.82573	0.1456813	0.25550742	2.4596145	20	—	—
85618 1998 HM_{102}	15.1	X	89.56419	333.21942	232.37440	12.78770	0.1252301	0.23185318	2.6241824	20	8 13.8	19.1
85619 1998 HQ_{106}	15.5	X	19.73107	154.19962	136.32026	14.01175	0.2598732	0.23258648	2.6186638	20	10 3.7	18.4
85620 1998 HJ_{107}	14.2	X	9.68129	22.90963	121.52656	6.70458	0.1292033	0.17314223	3.1881155	20	1 30.6	18.1
85621 1998 HS_{107}	15.7	X	123.74186	185.33785	102.03128	5.33710	0.1195828	0.24657927	2.5186337	20	—	—
85622 1998 HP_{122}	16.1	X	150.80494	176.52717	124.99326	7.94944	0.1862712	0.29392257	2.2403408	20	—	—
85623 1998 HL_{123}	14.0	X	350.90546	101.07437	65.68297	19.89581	0.1952030	0.17227889	3.1987576	20	1 24.5	18.0
85624 1998 HU_{138}	15.8	X	62.35415	310.73323	159.17933	6.46693	0.1046880	0.26510340	2.3998965	20	2 23.7	18.2
85625 1998 HW_{140}	14.4	X	348.61689	167.97158	72.32024	8.38349	0.2532903	0.18056495	3.1001337	20	4 21.1	17.4
85626 1998 HM_{141}	15.1	X	62.44634	254.12817	183.79739	14.57506	0.0909245	0.25969813	2.4330825	20	1 7.6	18.1
85627 1998 HP_{151}	7.4	X	321.90573	249.00676	55.99869	1.51657	0.0938646	0.00333727	44.3480779	20	6 10.3	23.5
85628 1998 KV_{2}	17.1	X	77.40856	50.46889	66.78986	13.03020	0.3318025	0.49036180	1.5926669	20	5 1.5	17.3
85629 1998 KW_{5}	14.7	X	224.10865	70.88384	228.00832	14.25569	0.1858007	0.17051495	3.2207801	20	1 31.9	20.4
85630 1998 KP_{31}	15.1	X	123.38629	107.12562	106.36345	5.22896	0.1407507	0.23675047	2.5878682	20	10 9.2	19.1
85631 1998 KX_{49}	14.7	X	222.62040	185.72119	103.10339	15.07140	0.1754589	0.21108656	2.7935878	20	1 20.7	19.4
85632 1998 KV_{52}	14.0	X	270.06222	103.50096	176.42670	21.45757	0.1068651	0.17231801	3.1982735	20	3 2.6	18.7
85633 1998 KR_{65}	6.7	X	272.55783	318.88763	101.96948	1.19044	0.0288133	0.00339841	43.8146103	20	8 23.7	23.1
85634 1998 LR_{2}	16.1	X	131.70670	167.28603	137.75576	6.02298	0.2131849	0.28896066	2.2659148	20	—	—
85635 1998 MV_{1}	15.4	X	359.60552	83.52793	232.79944	4.83286	0.1208158	0.18683870	3.0303409	20	8 28.6	19.1
85636 1998 MF_{5}	14.0	X	340.57876	88.04156	304.25900	6.34238	0.1192017	0.18679293	3.0308360	20	11 5.7	17.8
85637 1998 MO_{12}	14.8	X	31.45862	101.55000	142.33169	15.26839	0.1446415	0.18175957	3.0865349	20	7 18.5	18.7
85638 1998 ML_{35}	13.8	X	260.20258	76.91660	293.65735	20.62675	0.0927647	0.17517142	3.1634469	20	6 15.2	18.5
85639 1998 OU	16.0	X	19.04998	196.70696	198.47795	3.01980	0.2261746	0.28136261	2.3065266	20	—	—
85640 1998 OX_{4}	21.1	X	301.49149	117.25799	299.60616	4.51602	0.4855761	0.49609325	1.5803763	20	—	—
85641 1998 OR_{5}	15.7	X	329.90598	183.76603	292.35380	14.14060	0.0558268	0.24305716	2.5429067	20	—	—
85642 1998 OS_{8}	15.6	X	233.11217	44.83425	305.17465	4.13340	0.1848937	0.30308821	2.1949435	20	4 3.2	18.9
85643 1998 OC_{10}	14.2	X	329.56825	106.24684	145.02884	16.36989	0.2435282	0.17221940	3.1994942	20	3 31.5	18.1
85644 1998 OH_{10}	14.5	X	48.88891	259.41417	152.76890	6.22241	0.1970788	0.28583312	2.2824136	20	—	—
85645 1998 OS_{11}	14.7	X	244.50680	26.84407	308.64271	9.51536	0.2140153	0.21278637	2.7786905	20	3 26.6	19.4
85646 1998 OT_{14}	15.0	X	176.25866	35.86669	325.88390	5.07337	0.1945225	0.29647207	2.2274785	20	2 29.0	18.5
85647 1998 PZ	15.8	X	174.96263	358.61485	34.77108	8.32749	0.1626056	0.30150572	2.2026171	20	4 9.0	19.1
85648 1998 PF_{1}	14.3	X	335.33642	331.18899	317.13864	16.82100	0.1876534	0.17510874	3.1642018	20	6 2.1	18.2
85649 1998 QZ_{1}	16.2	X	179.06147	175.11311	187.22022	3.22344	0.2303231	0.29682942	2.2256904	20	3 4.9	19.7
85650 1998 QH_{6}	14.5	X	328.22140	121.05748	203.09919	15.52374	0.1160378	0.17049215	3.2210672	20	7 13.2	18.8
85651 1998 QR_{12}	15.8	X	230.42808	79.04494	298.78361	7.92120	0.2384915	0.25971810	2.4329577	20	5 4.1	19.9
85652 1998 QQ_{13}	13.8	X	42.31529	289.79569	331.76189	15.37310	0.2038473	0.18154042	3.0890183	20	9 4.6	17.8
85653 1998 QN_{16}	15.7	X	47.29016	211.69851	166.23087	7.04943	0.2429172	0.28137026	2.3064848	20	—	—
85654 1998 QU_{17}	14.5	X	274.61867	62.61474	295.35290	5.56610	0.1611624	0.17248611	3.1961953	20	6 5.3	19.1
85655 1998 QS_{18}	15.8	X	267.74038	33.84130	290.59211	3.77143	0.2091868	0.30488584	2.1863073	20	4 1.9	18.8
85656 1998 QX_{18}	15.9	X	228.25345	122.40561	224.41948	4.30239	0.1718981	0.30185544	2.2009156	20	3 27.0	19.2
85657 1998 QJ_{20}	16.2	X	124.47243	126.02193	195.73148	4.55579	0.1473198	0.28638616	2.2794743	20	—	—
85658 1998 QS_{28}	15.7	X	281.72083	20.79263	301.29775	8.83544	0.2062433	0.21599965	2.7510640	20	4 17.7	19.9
85659 1998 QU_{29}	16.3	X	78.54206	188.19858	241.28516	6.36595	0.0223938	0.29325806	2.2437239	20	1 7.6	18.9
85660 1998 QX_{33}	13.7	X	289.69804	33.66531	330.04447	19.87397	0.1350406	0.17421622	3.1749995	20	7 11.9	18.2
85661 1998 QY_{36}	15.6	X	201.73638	132.59838	213.19431	4.74386	0.1687901	0.29789582	2.2203756	20	2 29.9	19.2
85662 1998 QL_{41}	14.8	X	323.49002	71.23046	336.50472	12.19777	0.2754724	0.22718167	2.6600340	20	11 4.5	17.0
85663 1998 QX_{42}	15.9	X	270.97329	100.50829	163.60118	4.80808	0.1546056	0.29832894	2.2182260	20	1 24.7	19.0
85664 1998 QF_{43}	16.1	X	252.45205	0.82317	347.88311	4.78724	0.1675188	0.30452635	2.1880276	20	4 23.2	19.1
85665 1998 QG_{46}	14.3	X	301.22045	203.70380	156.13587	2.50096	0.2046175	0.17428985	3.1741052	20	7 8.1	18.3
85666 1998 QP_{50}	15.5	X	99.08292	10.88192	357.41264	6.70288	0.1152516	0.28693689	2.2765566	20	—	—
85667 1998 QT_{52}	14.3	X	341.74571	82.66639	247.37434	7.39477	0.2228984	0.17655551	3.1468922	20	8 11.2	17.5
85668 1998 QH_{53}	15.5	X	48.20066	80.71072	295.75279	3.55610	0.3081126	0.23390093	2.6088439	20	—	—
85669 1998 QK_{55}	16.6	X	27.15178	198.14404	191.92618	3.80165	0.1251024	0.27685961	2.3314690	20	—	—
85670 1998 QZ_{57}	17.1	X	303.74452	305.54682	345.31028	3.12434	0.1522202	0.30463222	2.1875206	20	4 10.9	19.6
85671 1998 QH_{67}	13.9	X	353.71679	334.53779	312.05392	26.90830	0.1745256	0.17592088	3.1544559	20	7 15.4	17.5
85672 1998 QS_{95}	14.1	X	299.89227	192.41528	191.28717	27.29542	0.1228362	0.17713004	3.1400838	20	8 14.9	18.6
85673 1998 QB_{102}	15.0	X	302.88142	321.06309	147.10927	5.76387	0.1120128	0.27844334	2.3226200	20	—	—
85674 1998 QD_{103}	15.6	X	48.62146	350.52436	45.65627	5.46695	0.1801168	0.28218602	2.3020375	20	—	—
85675 1998 RC_{2}	13.9	X	270.36188	26.72832	1.63769	12.73951	0.1370539	0.17373995	3.1807992	20	7 15.9	18.6
85676 1998 RT_{2}	16.4	X	97.92272	323.31477	200.46138	0.66590	0.1356750	0.26012976	2.4303903	20	7 7.2	19.7
85677 1998 RU_{2}	16.6	X	209.89974	142.88701	334.63832	0.96022	0.1381583	0.26725020	2.3870272	20	9 3.4	20.0
85678 1998 RZ_{7}	15.8	X	167.09016	5.02920	350.92754	5.35083	0.2275030	0.29383749	2.2407733	20	2 17.7	19.3
85679 1998 RA_{15}	15.0	X	332.81985	27.08515	328.36646	1.29180	0.1345756	0.18045842	3.1013536	20	9 4.9	18.6
85680 1998 RS_{21}	15.3	X	5.14256	191.40263	223.51537	1.17856	0.0973518	0.18870587	3.0103184	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
85681 1998 RR_{25}	15.0	X	119.87404	190.78988	349.21998	14.01583	0.1235886	0.26739680	2.3861546	20	8 25.9	18.5
85682 1998 RJ_{29}	16.1	X	286.17854	232.94319	35.49151	5.70806	0.2175946	0.30175546	2.2014017	20	2 11.5	19.2
85683 1998 RE_{32}	16.1	X	309.23178	175.67645	224.13893	2.64321	0.1871872	0.27034946	2.3687490	20	10 10.4	17.7
85684 1998 RN_{41}	16.0	X	191.51516	2.98781	332.45472	3.91713	0.1899624	0.29518311	2.2339582	20	2 10.6	19.6
85685 1998 RT_{42}	15.9	X	20.97410	238.76209	213.56138	6.98356	0.0670254	0.28642982	2.2792427	20	—	—
85686 1998 RC_{44}	16.2	X	108.54500	207.75882	139.27052	5.36859	0.2021907	0.24013661	2.5634831	20	—	—
85687 1998 RF_{55}	15.5	X	68.44312	57.07730	331.27208	5.98604	0.1266259	0.28399972	2.2922260	20	—	—
85688 1998 RN_{55}	15.9	X	221.79605	98.23748	249.74072	3.36929	0.1714588	0.29958192	2.2120366	20	3 22.2	19.2
85689 1998 RT_{55}	15.1	X	229.43999	121.11781	254.85879	3.37080	0.0844625	0.21233923	2.7825901	20	5 16.2	19.2
85690 1998 RG_{56}	16.3	X	321.97534	85.64567	304.50763	2.53645	0.2309891	0.27000710	2.3707509	20	10 25.4	17.7
85691 1998 RH_{57}	15.6	X	74.48931	302.90477	1.62970	3.10813	0.1663031	0.23166959	2.6255686	20	12 10.3	19.5
85692 1998 RQ_{57}	14.9	X	332.18271	140.55394	168.84371	17.39804	0.1320123	0.21875071	2.7279499	20	7 4.1	18.3
85693 1998 RK_{59}	15.5	X	108.42335	183.48208	195.30712	4.79333	0.1503740	0.28791061	2.2714208	20	1 1.5	18.1
85694 1998 RK_{60}	14.6	X	256.51231	89.75580	345.92708	12.36379	0.0320323	0.22262007	2.6962480	20	9 14.1	18.2
85695 1998 RE_{61}	16.6	X	159.75502	224.53116	194.02102	11.37499	0.1705218	0.25250706	2.4790600	20	4 29.3	20.6
85696 1998 RU_{62}	15.7	X	215.81217	220.74602	19.86070	5.93206	0.1514478	0.28677990	2.2773874	20	—	—
85697 1998 RG_{68}	15.8	X	217.12871	318.58888	350.34842	4.94077	0.1953391	0.29518265	2.2339605	20	1 31.8	19.5
85698 1998 RB_{69}	15.5	X	78.33028	17.45412	4.64053	2.14751	0.1388616	0.28425334	2.2908624	20	—	—
85699 1998 RX_{69}	16.3	X	289.12157	267.39119	142.98602	2.74850	0.1983404	0.26777125	2.3839296	20	9 11.8	18.3
85700 1998 RT_{70}	15.2	X	273.58098	259.67299	118.48205	5.86512	0.0170934	0.21803358	2.7339283	20	7 24.5	18.8
85701 1998 RV_{73}	14.7	X	26.97576	219.64451	280.46932	3.94918	0.1089325	0.24579940	2.5239583	20	2 7.8	17.4
85702 1998 RA_{74}	15.9	X	158.14060	18.69885	332.13373	7.60489	0.1477091	0.29099250	2.2553547	20	1 27.6	19.0
85703 1998 RC_{75}	14.4	X	320.06726	39.10445	6.09956	11.91934	0.1270171	0.18036690	3.1024026	20	10 17.2	18.2
85704 1998 SV_{19}	16.5	X	81.38539	75.66551	332.30994	2.40208	0.1652999	0.24340569	2.5404787	20	1 12.8	19.1
85705 1998 SO_{21}	16.1	X	269.82016	313.70908	345.75666	2.51876	0.2061647	0.29973154	2.2113004	20	3 4.9	19.1
85706 1998 SB_{27}	16.4	X	231.15007	307.97797	40.07658	1.34124	0.1945690	0.30030507	2.2084841	20	3 31.9	19.9
85707 1998 SU_{33}	15.3	X	211.47594	232.81334	359.62062	25.90469	0.2403803	0.28550683	2.2841522	20	—	—
85708 1998 SL_{35}	15.6	X	84.73639	245.62250	164.40453	4.99810	0.1692545	0.28863062	2.2676418	20	1 10.0	17.7
85709 1998 SG_{36}	15.9	X	235.25998	29.74606	186.59358	24.83585	0.3374781	0.46672011	1.6460071	20	—	—
85710 1998 SP_{38}	16.0	X	42.24546	68.24567	353.80512	11.05125	0.1801358	0.23877528	2.5732174	20	—	—
85711 1998 SP_{43}	15.7	X	116.23419	292.69711	357.79024	6.64116	0.1835253	0.28097717	2.3086354	20	—	—
85712 1998 SA_{45}	16.4	X	243.41315	199.59688	18.91168	1.20986	0.0986828	0.28557034	2.2838136	20	—	—
85713 1998 SS_{49}	15.6	X	9.23918	102.43300	41.49227	10.76366	0.6392681	0.36937839	1.9237785	20	—	—
85714 1998 SU_{49}	15.2	X	21.95213	273.97687	193.01485	26.34789	0.1546618	0.23919070	2.5702371	20	—	—
85715 1998 SB_{54}	15.7	X	66.41069	166.36479	227.29205	2.80497	0.1392421	0.28421564	2.2910649	20	—	—
85716 1998 SG_{56}	13.0	X	334.02554	341.26919	346.55154	12.23552	0.0117844	0.17416716	3.1755957	20	8 8.7	17.5
85717 1998 SY_{56}	14.8	X	294.11069	298.77581	154.83361	5.25056	0.1636162	0.27419305	2.3465605	20	12 6.8	16.9
85718 1998 SG_{58}	15.8	X	73.84868	302.49487	3.47333	6.75483	0.1237566	0.27625067	2.3348940	20	12 16.4	19.3
85719 1998 SV_{59}	15.6	X	340.56334	304.63556	102.38808	3.36807	0.2088604	0.22829037	2.6514147	20	12 19.5	17.9
85720 1998 SK_{60}	15.3	X	107.40127	351.06236	12.14877	5.72993	0.3139915	0.24072510	2.5593035	20	1 16.1	18.7
85721 1998 SL_{63}	15.8	X	196.98516	27.07843	324.53311	6.75232	0.1682283	0.29707959	2.2244408	20	3 4.3	19.2
85722 1998 SX_{63}	15.1	X	336.15010	356.21350	72.17155	5.75949	0.1545252	0.18391139	3.0624121	20	12 18.1	18.4
85723 1998 SH_{67}	15.8	X	60.87586	147.06601	169.10449	5.84389	0.1735693	0.27445630	2.3450598	20	12 20.7	19.2
85724 1998 SN_{68}	15.7	X	29.32944	152.98045	271.75004	7.83345	0.2314456	0.23719318	2.5846471	20	—	—
85725 1998 SV_{68}	15.8	X	232.04154	141.92193	265.31151	5.72812	0.1025647	0.26293891	2.4130490	20	6 28.8	19.2
85726 1998 SF_{71}	16.5	X	249.54393	15.87504	296.12418	2.05485	0.1468692	0.29783295	2.2206881	20	3 5.2	19.6
85727 1998 SC_{75}	15.8	X	116.33716	206.24670	59.05375	6.50437	0.2127140	0.27606566	2.3359370	20	12 9.9	19.6
85728 1998 SR_{75}	17.7	X	337.30573	168.41982	193.65462	2.36936	0.1572591	0.31547994	2.1370838	20	10 30.3	18.9
85729 1998 SV_{76}	15.1	X	311.44795	68.74862	275.63473	5.28965	0.0709561	0.21948274	2.7218810	20	7 24.7	18.4
85730 1998 SQ_{77}	16.1	X	258.45036	310.26166	42.85129	3.71693	0.2161426	0.30520321	2.1847914	20	5 2.3	18.9
85731 1998 SP_{80}	15.7	X	100.97102	128.33411	243.76203	4.59440	0.1813942	0.28632841	2.2797808	20	—	—
85732 1998 SJ_{82}	14.6	X	316.88693	223.10563	204.95036	7.73802	0.0431780	0.18417184	3.0595242	20	11 18.4	18.6
85733 1998 ST_{90}	15.7	X	119.06402	219.83560	16.20975	3.14059	0.0589572	0.22713945	2.6603636	20	10 24.2	19.5
85734 1998 SK_{92}	15.7	X	87.33457	143.51786	224.53941	2.55462	0.1692045	0.28383859	2.2930935	20	—	—
85735 1998 SF_{95}	15.4	X	268.74833	222.48779	47.12811	6.32476	0.1671323	0.29766525	2.2215220	20	1 31.5	18.7
85736 1998 SW_{96}	14.7	X	220.99788	55.11032	13.87451	11.90656	0.1633403	0.21550671	2.7552574	20	7 9.8	19.3
85737 1998 SE_{98}	16.2	X	233.13500	200.59297	179.96639	6.01882	0.1235685	0.25823752	2.4422483	20	5 23.7	19.7
85738 1998 SZ_{103}	15.9	X	34.57617	359.79879	31.69013	5.45497	0.1239707	0.27980529	2.3150770	20	—	—
85739 1998 SF_{105}	16.2	X	20.49854	266.23273	74.33344	3.59396	0.1810588	0.27324998	2.3519565	20	12 5.2	19.0
85740 1998 SO_{106}	16.2	X	204.94117	167.26763	178.38641	5.33880	0.2044723	0.29689009	2.2253872	20	3 4.9	19.7
85741 1998 SL_{107}	15.6	X	13.84396	33.58047	7.21206	6.52476	0.0831680	0.27783317	2.3260193	20	—	—
85742 1998 SM_{111}	15.7	X	233.37170	355.21068	187.52614	6.48289	0.0672684	0.27826692	2.3236015	20	—	—
85743 1998 SU_{113}	16.1	X	267.58314	1.62127	42.41354	5.50246	0.1764956	0.26405050	2.4062720	20	8 1.4	19.0
85744 1998 SG_{117}	15.6	X	239.65269	60.64710	267.89516	3.09360	0.2239295	0.29952511	2.2123163	20	3 11.0	19.3
85745 1998 SH_{127}	15.4	X	11.12707	1.21083	34.19097	12.08755	0.1829750	0.23085171	2.6317663	20	—	—
85746 1998 SP_{130}	15.7	X	137.52799	142.68398	205.74465	5.65830	0.1375220	0.28760061	2.2730527	20	—	—
85747 1998 SL_{132}	16.0	X	207.72872	345.45927	336.35402	4.95703	0.1724692	0.29392428	2.2403321	20	2 8.1	19.5
85748 1998 SK_{138}	16.3	X	329.46677	8.53966	17.16270	2.67882	0.2175177	0.26966296	2.3727675	20	11 7.8	17.6
85749 1998 SH_{140}	16.0	X	105.18771	47.88440	333.55313	3.60022	0.1868835	0.24086384	2.5583207	20	1 16.9	19.2
85750 1998 SE_{141}	15.3	X	65.77779	213.87369	199.12671	13.01862	0.1729969	0.23874275	2.5734511	20	—	—
85751 1998 SU_{144}	16.1	X	36.91316	329.45442	30.64121	3.67849	0.1556990	0.27576771	2.3376193	20	—	—
85752 1998 SC_{153}	15.9	X	327.88942	112.90846	308.98266	1.70873	0.1850312	0.27349356	2.3505599	20	—	—
85753 1998 SV_{153}	16.2	X	137.89952	104.76181	136.00219	5.81570	0.0665004	0.27541816	2.3395967	20	12 1.3	19.4
85754 1998 SJ_{156}	14.5	X	239.60745	33.01618	14.06591	3.29044	0.1540755	0.16854872	3.2457800	20	6 28.7	19.6
85755 1998 SK_{156}	15.3	X	218.52974	28.42295	14.88577	4.00789	0.1065556	0.21252162	2.7809977	20	6 6.2	19.5
85756 1998 SD_{157}	14.9	X	198.35145	340.76377	20.00865	1.98825	0.0954954	0.20571502	2.8420086	20	3 25.3	19.2
85757 1998 SN_{157}	15.6	X	20.97428	225.25631	231.24307	5.00576	0.0478697	0.24033341	2.5620835	20	—	—
85758 1998 SK_{160}	15.6	X	84.52889	191.57193	70.82869	6.40025	0.1094776	0.27110900	2.3643227	20	11 1.7	18.8
85759 1998 ST_{161}	15.7	X	329.75841	164.30150	165.17454	6.68147	0.1848776	0.26499237	2.4005669	20	7 30.9	17.5
85760 1998 SG_{170}	15.8	X	100.28806	51.67266	222.13875	10.57494	0.1302629	0.27548025	2.3392451	20	12 4.1	19.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
85761 1998 SC_{171}	16.2	X	75.74368	176.79255	221.73661	4.10089	0.0994205	0.28640063	2.2793975	20	—	—
85762 1998 TH_4	16.6	X	314.30587	90.82411	213.27678	4.40317	0.2812960	0.30668298	2.1777579	20	4 26.4	18.4
85763 1998 TP_7	16.1	X	123.91163	51.45683	195.74227	3.77746	0.1189704	0.27419509	2.3465489	20	11 23.8	19.6
85764 1998 TT_{12}	14.8	X	24.49454	205.29562	86.51085	0.19844	0.1842525	0.17441869	3.1725420	20	9 14.7	18.6
85765 1998 TM_{14}	15.1	X	239.96145	73.62891	130.04578	0.19667	0.1917942	0.23647504	2.5898772	20	—	—
85766 1998 TQ_{15}	16.0	X	60.84431	317.27504	250.89973	3.79133	0.0335277	0.25800638	2.4437067	20	7 2.6	18.9
85767 1998 TG_{28}	14.5	X	312.92543	67.40772	27.18788	12.39132	0.0738686	0.18358863	3.0660003	20	12 11.9	18.6
85768 1998 TV_{29}	15.6	X	211.20057	72.34234	220.06489	6.79064	0.1531006	0.28934110	2.2639281	20	1 4.2	19.1
85769 1998 UB	15.3	X	1.49507	171.52938	235.91955	24.31148	0.1858849	0.27701263	2.3306103	20	—	—
85770 1998 UP_1	20.5	X	335.20437	234.24228	18.34347	33.17880	0.3451872	0.98842622	0.9980981	20	10 26.2	20.1
85771 1998 UR_4	15.2	X	345.55953	226.91409	165.70019	13.09388	0.1632559	0.23067180	2.6331345	20	12 6.3	18.3
85772 1998 UN_6	16.4	X	179.45610	286.36226	46.85548	7.60635	0.1745011	0.29079644	2.2563683	20	1 29.8	19.9
85773 Gutbezahl	15.0	X	238.70673	117.38596	290.03075	5.52964	0.1254674	0.25865276	2.4396338	20	7 4.5	18.3
85774 1998 UT_{18}	19.2	X	309.69659	50.11952	64.65415	13.58888	0.3291184	0.59314958	1.4028995	20	—	—
85775 1998 UY_{20}	15.9	X	223.10849	46.06694	34.21958	1.74318	0.1446821	0.25974123	2.4328133	20	7 29.4	19.5
85776 1998 UM_{37}	16.0	X	223.44307	281.19551	153.27619	1.73831	0.1566197	0.26043029	2.4285202	20	7 19.9	19.7
85777 1998 UM_{41}	16.0	X	246.41744	255.75762	69.34110	6.66233	0.2096395	0.29958830	2.2120052	20	3 18.9	19.5
85778 1998 UZ_{42}	16.6	X	203.07222	55.57884	358.06577	1.81564	0.1987086	0.25558385	2.4591241	20	5 30.3	20.7
85779 1998 UO_{43}	16.0	X	2.79961	342.43758	42.09014	7.31078	0.1266400	0.27385800	2.3484740	20	12 31.5	18.7
85780 1998 VK_2	15.6	X	247.44398	356.45931	30.88988	3.45943	0.1793883	0.21249363	2.7812419	20	6 9.7	19.9
85781 1998 VP_2	15.1	X	188.82433	198.04417	233.72624	6.96326	0.1882177	0.25435848	2.4670157	20	6 10.6	19.0
85782 1998 VZ_2	14.8	X	178.19632	63.55864	232.81966	9.42256	0.0604362	0.19156151	2.9803267	20	—	—
85783 1998 VT_3	15.9	X	305.93811	294.57018	51.28579	3.22538	0.2147582	0.26184425	2.4197696	20	6 30.2	18.0
85784 1998 VV_3	15.0	X	245.66454	272.23658	229.87606	8.01308	0.1468604	0.17832761	3.1260097	20	10 31.2	19.4
85785 1998 VV_{11}	15.1	X	102.44027	189.40299	200.11159	13.43003	0.2338129	0.19561295	2.9390320	20	2 2.2	19.5
85786 1998 VY_{12}	15.0	X	337.09835	335.37268	46.74749	13.70343	0.1713478	0.22416433	2.6838509	20	11 2.2	17.5
85787 1998 VU_{14}	15.8	X	12.97601	141.81444	238.89192	5.82147	0.1384914	0.27397326	2.3478153	20	—	—
85788 1998 VA_{17}	15.8	X	39.29719	287.31836	68.76032	8.02869	0.1304056	0.27488561	2.3426175	20	—	—
85789 1998 VK_{17}	15.9	X	207.40228	15.56897	58.26342	3.32514	0.1448055	0.25763085	2.4460808	20	7 3.2	19.5
85790 1998 VX_{17}	15.5	X	182.80959	133.76412	314.52261	1.70724	0.1616374	0.25574620	2.4580833	20	6 26.9	19.4
85791 1998 VS_{18}	15.1	X	275.50212	89.29741	280.25207	3.70130	0.1711430	0.21464113	2.7626599	20	6 21.1	18.6
85792 1998 VK_{20}	15.4	X	58.32073	346.58950	77.94761	4.23607	0.0805802	0.23827833	2.5767939	20	—	—
85793 1998 VG_{26}	14.9	X	356.96730	26.79252	26.45218	3.87513	0.1618369	0.18366107	3.0651941	20	—	—
85794 1998 VA_{34}	15.9	X	9.30242	39.66495	77.80570	5.47073	0.1568008	0.23521601	2.5991108	20	—	—
85795 1998 VO_{37}	15.6	X	48.04244	338.30879	31.21693	7.84577	0.1227638	0.27701086	2.3306203	20	—	—
85796 1998 VD_{43}	15.5	X	18.77073	264.24787	66.16870	1.97101	0.1440520	0.17787403	3.1313217	20	10 21.5	19.3
85797 1998 VD_{49}	15.4	X	297.18286	303.79439	110.29153	3.31829	0.1828299	0.26687672	2.3892536	20	10 8.3	17.3
85798 1998 VA_{50}	11.9	X	325.54029	145.74633	227.33167	32.08135	0.0645302	0.08397515	5.1645861	20	8 26.9	19.0
85799 1998 VV_{50}	16.1	X	283.68896	309.67574	103.53395	5.12742	0.1629475	0.31058123	2.1594969	20	9 23.6	17.8
85800 1998 VE_{53}	14.5	X	0.69098	139.08566	298.56342	12.48622	0.1241408	0.23223641	2.6212947	20	—	—
85801 1998 VL_{54}	15.3	X	80.70387	85.07969	294.00857	10.61095	0.1787696	0.23599592	2.5933813	20	—	—
85802 1998 VK_{55}	15.7	X	232.72432	1.52800	237.09308	2.00998	0.0790423	0.23634132	2.5908540	20	—	—
85803 1998 WS_4	14.9	X	20.49382	260.55590	212.33033	25.67453	0.3166156	0.23409013	2.6074379	20	—	—
85804 1998 WQ_5	15.3	X	92.92196	269.79338	285.74927	27.66417	0.3543067	0.43645704	1.7212411	20	8 30.4	18.7
85805 1998 WS_6	16.1	X	323.37139	230.54078	158.45644	0.46878	0.1436551	0.26720936	2.3872704	20	10 26.5	18.2
85806 1998 WG_8	14.8	X	166.05741	160.78256	290.61926	6.75098	0.1170083	0.29644975	2.2275903	20	6 14.7	17.9
85807 1998 WR_{10}	11.9	X	277.03097	205.20296	237.84406	26.47936	0.0879675	0.08355236	5.1819940	20	9 14.4	19.1
85808 1998 WF_{12}	15.5	X	270.85919	172.41750	229.17182	5.69726	0.1253220	0.26169335	2.4206998	20	8 6.5	18.6
85809 1998 WU_{12}	14.9	X	301.78662	310.39974	35.62297	9.72719	0.2100496	0.21524913	2.7574551	20	6 20.6	18.2
85810 1998 WV_{14}	16.1	X	263.72453	327.13073	79.20850	4.41673	0.1460913	0.30700242	2.1762470	20	8 7.9	18.5
85811 1998 WD_{17}	15.8	X	254.14141	1.68318	63.96235	4.81984	0.1711223	0.26156109	2.4215157	20	8 14.1	18.9
85812 1998 WR_{22}	15.2	X	169.45748	235.79129	190.17541	1.81636	0.1931772	0.20552494	2.8437605	20	5 17.9	20.0
85813 1998 WY_{26}	16.1	X	354.21016	275.03753	268.74597	3.08200	0.1248503	0.23725401	2.5842052	20	2 12.2	18.8
85814 1998 WF_{31}	14.5	X	328.49855	60.00392	88.45751	23.76659	0.2464505	0.28107165	2.3081180	20	—	—
85815 1998 WX_{41}	16.2	X	261.33022	332.15689	52.52898	2.21454	0.1880168	0.25891283	2.4379998	20	6 22.2	19.3
85816 1998 XG	16.0	X	128.34017	201.44650	153.76989	4.77357	0.1832772	0.28436292	2.2902738	20	1 2.9	18.8
85817 1998 XB_1	16.2	X	221.64586	256.14607	186.13261	0.94033	0.1552499	0.25934352	2.4352999	20	7 28.5	19.8
85818 1998 XM_4	15.4	X	286.87443	301.25558	235.65678	62.71399	0.4163676	0.46221894	1.6566759	20	—	—
85819 1998 XF_9	16.2	X	262.88181	112.71847	259.10850	5.85108	0.2010914	0.30317813	2.1945095	20	6 4.7	18.9
85820 1998 XP_9	14.4	X	350.07189	48.69743	69.46863	11.53421	0.0849171	0.18770417	3.0210189	20	—	—
85821 1998 XQ_{10}	14.5	X	312.65745	156.71371	293.92906	4.78971	0.0537551	0.26633586	2.3924872	20	—	—
85822 1998 XC_{17}	12.5	X	309.58400	325.23363	86.90956	11.31628	0.1276249	0.08363655	5.1785159	20	9 29.2	19.1
85823 1998 XM_{19}	15.1	X	334.64795	42.91058	81.33114	3.12862	0.1192469	0.18692914	3.0293635	20	—	—
85824 1998 XV_{20}	15.6	X	80.49773	283.95962	237.34826	1.25092	0.0869324	0.24612389	2.5217394	20	6 2.9	18.7
85825 1998 XL_{24}	15.3	X	198.39409	127.97109	105.50149	7.83489	0.0746276	0.26991726	2.3712769	20	—	—
85826 1998 XA_{40}	14.4	X	337.41536	77.59930	25.98350	10.44943	0.1597832	0.18274449	3.0754347	20	—	—
85827 1998 XA_{47}	15.0	X	79.96623	163.65024	287.37073	4.31377	0.1568344	0.28577781	2.2827081	20	2 28.7	17.4
85828 1998 XN_{53}	15.2	X	102.60254	149.09546	304.67853	5.91330	0.1254985	0.28906147	2.2653879	20	3 31.3	18.1
85829 1998 XW_{56}	15.8	X	284.26331	188.22610	189.67964	0.75581	0.2026589	0.26012030	2.4304492	20	7 12.4	18.4
85830 1998 XB_{59}	15.7	X	47.41499	277.74566	140.49512	3.36564	0.1978708	0.23343874	2.6122862	20	—	—
85831 1998 XL_{64}	15.3	X	30.83605	13.12474	65.67653	5.73573	0.1288367	0.23442945	2.6049213	20	—	—
85832 1998 XR_{64}	15.4	X	225.52599	59.58921	349.03455	1.95588	0.1913209	0.25620640	2.4551389	20	6 14.4	19.2
85833 1998 XD_{68}	14.2	X	278.07922	275.01980	66.93417	15.49436	0.1757743	0.21009379	2.8023814	20	5 19.2	18.2
85834 1998 XM_{74}	14.9	X	214.50810	72.71275	94.90016	3.14571	0.1448241	0.26397226	2.4067475	20	11 13.4	18.2
85835 1998 XB_{81}	16.3	X	15.05812	266.53100	95.78227	3.30216	0.1551458	0.31549518	2.1370150	20	—	—
85836 1998 YF_2	15.0	X	246.33365	9.10950	106.99155	2.31156	0.1450111	0.26128654	2.4232117	20	10 15.9	18.0
85837 1998 YM_2	15.3	X	212.46451	108.53707	313.07365	5.39521	0.0837364	0.29622523	2.2287158	20	6 28.5	18.3
85838 1998 YU_2	15.4	X	204.14205	279.81290	324.56017	5.87270	0.0800428	0.26982450	2.3718204	20	—	—
85839 1998 YO_4	16.4	X	250.20845	199.56178	28.54309	9.32178	0.2480197	0.46345470	1.6537297	20	—	—
85840 1998 YR_4	14.8	X	0.02261	107.00595	45.11068	11.00609	0.0297862	0.18973439	2.9994297	20	1 31.6	19.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
85841 1998 YR_6	16.2	X	13.62607	26.55691	76.06519	4.56372	0.1687187	0.23166475	2.6256051	20	—	—
85842 1998 YK_7	15.2	X	24.62375	32.14192	81.64748	6.00297	0.1248930	0.23316664	2.6143182	20	1 1.6	18.0
85843 1998 YT_9	15.6	X	195.29476	313.68807	114.42132	6.07901	0.1501883	0.29696526	2.2250116	20	6 13.8	18.9
85844 1998 YN_{16}	15.0	X	21.68194	209.06159	291.48888	6.78918	0.1485777	0.18881303	3.0091794	20	2 9.7	18.5
85845 1998 YP_{16}	15.9	X	89.80810	223.08887	122.49262	6.19175	0.2339797	0.27324164	2.3520044	20	—	—
85846 1998 YP_{20}	15.9	X	139.70999	250.17769	100.57338	7.49902	0.1379598	0.28014920	2.3131819	20	1 5.7	18.8
85847 1998 YA_{28}	14.9	X	80.77342	236.74543	137.74286	14.13986	0.1667269	0.23390872	2.6087859	20	—	—
85848 1998 YP_{29}	17.1	X	286.17025	55.26202	302.71081	6.86084	0.2788829	0.30219157	2.1992832	20	6 2.6	19.6
85849 1999 AW	15.0	X	325.66338	32.11257	83.45168	6.14480	0.1598646	0.27232490	2.3572799	20	—	—
85850 1999 AR_2	14.7	X	259.55431	55.00653	49.48800	5.69322	0.1291199	0.26076603	2.4264353	20	10 21.5	17.4
85851 1999 AS_4	14.4	X	192.67000	25.63840	112.43218	12.63836	0.1107603	0.25641750	2.4537913	20	9 18.4	18.2
85852 1999 AA_5	14.9	X	43.12337	298.15609	113.74343	12.94886	0.2284496	0.22935752	2.6431840	20	—	—
85853 1999 AB_{12}	14.9	X	213.02265	227.74328	297.26183	16.25839	0.0937712	0.21664652	2.7455850	20	10 29.8	19.2
85854 1999 AE_{13}	15.1	X	52.42341	168.67073	289.46130	6.36899	0.1771421	0.23520064	2.5992240	20	2 1.7	17.5
85855 1999 AN_{15}	15.3	X	291.62704	218.04117	315.02041	1.78113	0.0869692	0.27391563	2.3481446	20	—	—
85856 1999 AT_{19}	15.6	X	205.19570	36.44385	318.59243	5.01099	0.1870186	0.28707355	2.2758341	20	3 16.4	19.3
85857 1999 AK_{24}	15.1	X	154.62964	288.52346	278.13679	10.08619	0.1249494	0.26028183	2.4294436	20	10 27.8	19.1
85858 1999 AJ_{26}	15.3	X	139.30037	88.23721	111.05801	5.36458	0.1475291	0.25833301	2.4416464	20	10 9.6	19.1
85859 1999 AY_{27}	17.4	X	150.38219	147.06517	205.53078	0.78477	0.1609737	0.28048864	2.3113153	20	1 22.8	20.4
85860 1999 AY_{28}	16.1	X	329.86862	300.36248	279.64739	0.72544	0.0857761	0.23734344	2.5835561	20	2 28.9	19.3
85861 1999 AJ_{33}	14.9	X	6.01832	352.28229	119.15276	6.93418	0.0544734	0.27648703	2.3335630	20	—	—
85862 1999 AF_{34}	14.7	X	139.50078	105.14568	349.98036	2.76553	0.1019060	0.29032926	2.2587882	20	5 18.6	17.8
85863 1999 BG	15.1	X	218.98748	195.01675	324.98147	6.58439	0.0583222	0.26264457	2.4148515	20	11 17.9	18.3
85864 1999 BJ_7	16.1	X	352.40986	247.75493	90.23698	2.45282	0.1976209	0.25987749	2.4319629	20	10 12.8	18.0
85865 1999 BW_8	15.1	X	123.20156	284.26181	141.51871	13.19917	0.1455187	0.23988617	2.5652670	20	4 2.7	19.0
85866 1999 BV_9	15.5	X	316.35790	191.83585	288.95877	7.69291	0.1517493	0.22474781	2.6792037	20	—	—
85867 1999 BY_9	18.0	X	187.14294	287.42937	254.39120	0.94404	0.3023714	0.39821272	1.8297537	20	11 6.7	20.5
85868 1999 BZ_9	15.4	X	98.88471	96.48417	36.11687	0.97289	0.0447719	0.24339299	2.5405671	20	5 12.6	18.5
85869 1999 BK_{10}	15.2	X	80.69794	114.40772	324.66711	6.27750	0.0725880	0.28116290	2.3076187	20	2 3.3	17.5
85870 1999 BF_{18}	14.7	X	316.13994	200.01014	314.93032	12.51935	0.1649581	0.22942468	2.6426681	20	—	—
85871 1999 BN_{30}	15.1	X	29.74764	25.02517	113.18109	7.43451	0.1420131	0.23634124	2.5908546	20	2 15.3	17.6
85872 1999 BH_{31}	15.6	X	278.58942	227.45212	321.42336	3.95107	0.1538164	0.22700814	2.6613895	20	—	—
85873 1999 CE_1	15.4	X	16.27470	91.40952	97.22793	4.78825	0.0640145	0.28630432	2.2799086	20	3 29.3	17.8
85874 1999 CJ_4	15.3	X	195.53903	316.24825	108.52672	7.01182	0.1209803	0.29281539	2.2459846	20	6 10.7	18.4
85875 1999 CR_5	14.3	X	340.72570	110.77932	14.96727	9.36931	0.0960376	0.22528310	2.6749581	20	—	—
85876 1999 CQ_7	14.4	X	199.68541	31.17186	338.99920	22.80252	0.1815118	0.28710300	2.2756785	20	3 23.5	18.3
85877 1999 CD_8	15.9	X	38.91228	112.92345	314.16230	7.12065	0.0875181	0.27343897	2.3508727	20	—	—
85878 Guzik	16.0	X	39.97102	282.41902	143.28989	6.66930	0.1181032	0.27549951	2.3391361	20	—	—
85879 1999 CO_{10}	15.2	X	17.31478	177.02180	307.41385	23.93900	0.0828835	0.27907915	2.3190910	20	—	—
85880 1999 CL_{14}	15.6	X	241.52110	206.76071	337.04635	2.36565	0.1071303	0.21956423	2.7212075	20	—	—
85881 1999 CC_{19}	14.9	X	266.60516	14.75272	114.25392	13.24652	0.1271195	0.26552845	2.3973347	20	12 9.0	17.6
85882 1999 CA_{25}	15.4	X	102.61838	323.13143	100.91390	12.09976	0.1630469	0.28374103	2.2936190	20	3 4.9	18.3
85883 1999 CS_{27}	14.6	X	359.54833	128.32732	96.19692	16.68029	0.0764016	0.24152329	2.5536618	20	5 1.8	17.9
85884 1999 CO_{28}	15.4	X	13.82191	105.56108	41.91184	2.68453	0.1289243	0.23401203	2.6080181	20	1 29.7	18.2
85885 1999 CS_{30}	14.9	X	75.69726	294.75252	338.68340	7.32972	0.0789615	0.25718330	2.4489178	20	10 25.9	18.4
85886 1999 CN_{35}	15.1	X	22.92259	354.43162	115.77662	14.65952	0.2227157	0.23158780	2.6261867	20	—	—
85887 1999 CE_{36}	15.2	X	289.62117	39.76955	99.28518	9.68934	0.1473175	0.26833161	2.3806095	20	—	—
85888 1999 CG_{40}	14.5	X	195.02040	260.12330	355.65560	12.48952	0.1560030	0.22250214	2.6972006	20	—	—
85889 1999 CH_{40}	14.3	X	52.46120	37.97855	112.73207	13.85462	0.1184947	0.23897854	2.5717581	20	4 18.5	17.5
85890 1999 CA_{45}	15.3	X	238.51844	280.77292	111.92473	7.55796	0.1473621	0.29542079	2.2327598	20	6 12.6	18.3
85891 1999 CH_{45}	15.2	X	305.06401	33.11706	135.73000	12.72060	0.1363776	0.22632593	2.6667348	20	—	—
85892 1999 CH_{47}	15.5	X	358.46449	98.89692	137.41583	12.00329	0.2339334	0.23861512	2.5743687	20	5 8.9	17.7
85893 1999 CE_{48}	15.4	X	77.14600	113.30310	75.24188	0.48847	0.0904907	0.24516392	2.5283179	20	7 7.1	18.6
85894 1999 CH_{48}	15.7	X	237.09194	194.95754	356.07588	3.50478	0.1421385	0.21961930	2.7207525	20	12 30.5	19.3
85895 1999 CS_{48}	14.6	X	150.60732	307.57698	138.37753	15.02210	0.1517272	0.24432205	2.5341225	20	5 27.4	18.9
85896 1999 CJ_{49}	14.9	X	336.49978	57.94613	43.79037	5.66658	0.1963004	0.22420399	2.6835343	20	—	—
85897 1999 CA_{50}	15.1	X	298.11859	108.60644	358.81114	10.40047	0.0176318	0.26440727	2.4041070	20	—	—
85898 1999 CS_{51}	14.9	X	294.68968	112.41343	4.07682	6.78676	0.0668653	0.26512506	2.3997658	20	—	—
85899 1999 CS_{53}	15.4	X	319.64089	40.38954	57.84460	3.00262	0.1720866	0.26744797	2.3858502	20	—	—
85900 1999 CQ_{57}	15.3	X	324.33463	91.26548	1.76864	2.17715	0.1688264	0.26716933	2.3875088	20	—	—
85901 1999 CM_{66}	15.3	X	300.56252	27.93450	157.13944	12.49252	0.1679147	0.22798097	2.6538130	20	—	—
85902 1999 CS_{66}	14.6	X	301.89668	237.57591	248.68644	5.44955	0.0773566	0.26849514	2.3796427	20	—	—
85903 1999 CD_{70}	15.4	X	232.39115	265.63736	240.13178	7.42819	0.1564236	0.21508626	2.7588469	20	10 24.7	19.4
85904 1999 CH_{70}	15.0	X	31.45161	212.07627	256.77977	6.53496	0.0762390	0.23139960	2.6276105	20	1 7.0	18.1
85905 1999 CY_{73}	15.5	X	41.84909	13.92951	170.63142	5.05320	0.2203495	0.24000358	2.5644303	20	5 28.1	18.0
85906 1999 CT_{74}	15.2	X	307.05391	197.69890	271.85798	5.71124	0.0641507	0.26658386	2.3910031	20	—	—
85907 1999 CV_{83}	15.2	X	281.26892	70.74434	69.46602	3.12786	0.1476428	0.26869125	2.3784847	20	—	—
85908 1999 CE_{85}	15.6	X	96.89749	320.05407	115.59946	5.32579	0.1091993	0.28431684	2.2905212	20	2 29.6	18.2
85909 1999 CJ_{85}	15.7	X	180.71529	353.41863	105.60152	6.41439	0.0379093	0.29725640	2.2235585	20	7 14.2	18.3
85910 1999 CZ_{86}	16.0	X	352.18321	33.94628	73.74917	6.08456	0.2582272	0.22831081	2.6512564	20	—	—
85911 1999 CY_{91}	15.0	X	219.63733	122.17216	143.25344	5.63737	0.1784566	0.22654103	2.6650465	20	—	—
85912 1999 CL_{93}	15.5	X	264.18111	87.29511	138.12271	3.77919	0.0495685	0.22879799	2.6474915	20	—	—
85913 1999 CQ_{94}	15.4	X	13.05427	14.91863	106.19073	14.71178	0.1448351	0.23096985	2.6308688	20	—	—
85914 1999 CM_{95}	15.5	X	319.06958	16.09846	136.75796	4.74911	0.1097995	0.22694427	2.6618887	20	—	—
85915 1999 CU_{97}	14.9	X	96.51747	12.64749	93.79764	11.81084	0.0834435	0.23977822	2.5660369	20	4 16.4	18.5
85916 1999 CT_{98}	15.5	X	54.31210	352.67859	103.10306	6.38927	0.1258435	0.23284027	2.6167605	20	1 30.5	18.4
85917 1999 CV_{98}	15.2	X	335.76164	32.40119	109.36374	9.60654	0.0878489	0.22752014	2.6573952	20	—	—
85918 1999 CD_{100}	15.4	X	226.36319	177.06428	12.51580	6.27792	0.1752412	0.21774636	2.7363320	20	12 9.6	19.3
85919 1999 CH_{100}	15.2	X	216.62011	70.11867	345.73795	4.92537	0.1211029	0.29452306	2.2372946	20	6 21.6	18.3
85920 1999 CJ_{100}	14.5	X	9.81509	113.65303	335.62816	12.32097	0.1392081	0.22594976	2.6696939	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
85921 1999 CV_{101}	15.1	X	82.51686	112.04481	64.18734	5.45718	0.0969421	0.24378653	2.5378322	20	6 28.2	18.5
85922 1999 CB_{103}	14.8	X	242.96530	22.43816	177.13763	7.01834	0.0508172	0.27054122	2.3676296	20	—	—
85923 1999 CF_{105}	14.3	X	32.55809	204.73276	265.19180	13.86955	0.0501293	0.23222448	2.6213845	20	1 8.9	17.6
85924 1999 CM_{107}	14.9	X	315.38787	237.08011	261.82983	12.22836	0.1230106	0.22530747	2.6747651	20	—	—
85925 1999 CV_{109}	15.6	X	303.97149	185.02749	272.70580	6.80085	0.0812927	0.26546300	2.3977287	20	12 29.7	18.0
85926 1999 CV_{115}	15.6	X	343.71320	290.37067	304.56146	10.12128	0.2836079	0.23598931	2.5934298	20	3 10.6	18.2
85927 1999 CQ_{117}	14.2	X	140.77332	103.68155	295.48712	11.11278	0.2662136	0.23765717	2.5812819	20	3 19.2	18.7
85928 1999 CB_{120}	15.0	X	132.10065	4.15661	80.02425	14.23204	0.1329233	0.24344031	2.5402379	20	5 5.1	18.9
85929 1999 CJ_{122}	14.6	X	2.72860	68.50792	83.46062	16.71952	0.1531233	0.23325792	2.6136361	20	1 13.3	17.5
85930 1999 CL_{122}	14.7	X	353.27113	90.57990	36.41593	14.19556	0.1397045	0.22976602	2.6400502	20	—	—
85931 1999 CK_{123}	13.8	X	14.87046	18.37440	50.46193	16.22591	0.1561020	0.18075996	3.0979035	20	—	—
85932 1999 CS_{141}	16.2	X	304.06269	216.77206	124.19763	2.36853	0.1026747	0.25201908	2.4822590	20	7 6.8	19.0
85933 1999 CQ_{146}	16.4	X	84.88342	112.70525	217.40412	1.40081	0.2272747	0.26624926	2.3930059	20	—	—
85934 1999 CF_{148}	16.1	X	280.79683	156.51041	151.14787	3.23529	0.1286513	0.24262327	2.5459376	20	4 12.9	19.4
85935 1999 CG_{149}	16.4	X	311.68390	33.68906	236.48294	0.62078	0.1604500	0.23625855	2.5914591	20	3 29.7	19.6
85936 1999 CH_{149}	15.9	X	232.29247	92.22195	172.04531	4.77812	0.0687581	0.22661326	2.6644802	20	1 1.1	19.9
85937 1999 DL_{1}	14.4	X	354.30045	183.85107	302.49995	25.15691	0.1972562	0.27485680	2.3427812	20	—	—
85938 1999 DJ_{4}	18.6	X	137.10390	197.64795	19.90407	9.14418	0.4835775	0.39075506	1.8529611	20	11 5.9	22.5
85939 1999 DN_{5}	14.6	X	62.40040	238.59804	254.09412	12.27692	0.1296147	0.23805623	2.5783964	20	3 28.5	17.9
85940 1999 DS_{8}	15.9	X	241.86221	70.21401	76.38009	8.60879	0.2575862	0.21676719	2.7445661	20	10 27.8	20.0
85941 1999 DC_{9}	14.6	X	281.51136	94.64723	111.86901	16.81284	0.1751526	0.22738955	2.6584126	20	—	—
85942 1999 EB_{6}	14.4	X	256.34759	21.66839	15.76812	14.78992	0.0940633	0.24559077	2.5253875	20	7 21.9	18.1
85943 1999 EJ_{7}	15.3	X	302.10912	7.06723	320.88554	3.65560	0.1878002	0.24711390	2.5149997	20	5 30.2	18.3
85944 1999 EM_{7}	15.5	X	264.61570	3.79966	329.97546	3.44302	0.1713913	0.24331046	2.5411416	20	4 19.3	19.3
85945 1999 EB_{8}	15.5	X	48.71206	327.72766	21.19023	9.15573	0.1910011	0.25691873	2.4505987	20	—	—
85946 1999 EJ_{8}	15.9	X	225.93147	104.79420	166.55093	2.32126	0.0692962	0.22924779	2.6440274	20	1 2.6	19.7
85947 1999 ET_{11}	14.3	X	322.94322	90.39540	76.64574	28.62001	0.2064304	0.22819649	2.6521418	20	—	—
85948 1999 EP_{13}	15.6	X	284.85602	95.42679	150.57717	11.82099	0.2933148	0.22974988	2.6401738	20	1 11.3	20.1
85949 1999 EX_{14}	15.4	X	190.87312	179.09083	169.01869	11.98459	0.0833306	0.23287154	2.6165263	20	2 27.7	19.3
85950 1999 FQ_{7}	14.3	X	111.35136	153.08664	186.58877	26.14888	0.2217589	0.26671192	2.3902377	20	—	—
85951 1999 FX_{9}	14.5	X	58.18761	178.64936	8.62872	12.67889	0.0815896	0.24064268	2.5598879	20	6 2.9	17.9
85952 1999 FW_{12}	15.5	X	329.43958	84.10634	183.18411	4.01538	0.2144820	0.23476195	2.6024611	20	4 17.1	18.1
85953 1999 FK_{21}	18.1	X	34.75195	172.37698	180.48637	12.60499	0.7030713	1.55226338	0.7387414	20	—	—
85954 1999 FY_{23}	14.9	X	190.52492	91.07082	1.60693	3.60538	0.0899426	0.29488716	2.2354527	20	7 15.9	17.9
85955 1999 FB_{29}	14.3	X	293.92976	12.98211	184.96490	19.93591	0.1248127	0.17764683	3.1339910	20	—	—
85956 1999 FT_{35}	15.2	X	245.12057	170.66101	319.39164	4.32201	0.1416238	0.26083767	2.4259909	20	10 30.5	18.2
85957 1999 FZ_{38}	15.6	X	58.32342	126.36934	342.16528	3.24174	0.1893344	0.28099534	2.3085359	20	2 22.6	17.1
85958 1999 FU_{42}	15.0	X	194.74485	43.90442	358.95264	4.61591	0.1419210	0.28964759	2.2623308	20	5 8.4	18.5
85959 1999 FV_{42}	15.2	X	210.94120	225.32058	159.21501	6.61631	0.1132675	0.28860539	2.2677739	20	5 5.5	18.5
85960 1999 FR_{50}	15.4	X	244.15970	185.81575	338.41242	8.10548	0.0844210	0.21672911	2.7448875	20	12 12.7	19.2
85961 1999 FV_{51}	15.2	X	43.28353	203.17944	240.38791	1.51576	0.1982478	0.27588062	2.3369814	20	—	—
85962 1999 FJ_{53}	15.9	X	44.63697	221.94985	353.12434	4.71578	0.1197347	0.24236060	2.5477767	20	7 1.1	18.8
85963 1999 FD_{57}	15.1	X	267.78501	31.01006	158.69321	13.49910	0.1023459	0.22234136	2.6985008	20	—	—
85964 1999 FZ_{57}	15.7	X	256.31223	325.97108	216.83252	2.18851	0.1280713	0.22004339	2.7172557	20	—	—
85965 1999 FW_{60}	14.9	X	266.24275	113.42893	342.43461	8.24694	0.2065222	0.21258969	2.7804041	20	9 24.7	18.6
85966 1999 FD_{62}	15.2	X	65.85928	284.94802	160.90238	10.97714	0.1175782	0.27664399	2.3326803	20	1 23.8	17.6
85967 1999 GK_{1}	14.4	X	9.52479	139.34784	50.06624	14.95348	0.0467695	0.23189571	2.6238615	20	3 30.3	17.9
85968 1999 GB_{2}	14.8	X	340.15976	304.17796	57.12133	7.50378	0.0821355	0.25136275	2.4865781	20	10 13.4	17.5
85969 1999 GP_{2}	14.9	X	188.37987	183.14597	147.60910	5.81230	0.1487975	0.17982539	3.1086277	20	2 11.7	19.8
85970 Fundaçãoterra	15.5	X	71.73206	281.76126	235.77682	4.40259	0.0903074	0.23648713	2.5897889	20	5 16.5	18.7
85971 1999 GW_{5}	14.4	X	31.01374	91.53113	66.39540	16.60804	0.1716867	0.18502091	3.0501569	20	4 3.7	18.1
85972 1999 GJ_{7}	15.0	X	291.29689	74.79016	160.49931	13.42678	0.2692789	0.22754985	2.6571639	20	1 6.9	19.4
85973 1999 GP_{19}	14.2	X	31.55693	142.57250	27.67801	14.47594	0.1134654	0.23380986	2.6095212	20	4 4.9	17.0
85974 1999 GF_{21}	14.7	X	39.31461	89.26756	195.52753	9.64814	0.2259783	0.24547266	2.5261975	20	10 18.3	17.7
85975 1999 GD_{33}	14.9	X	345.91071	198.04944	43.85472	14.97519	0.0627736	0.23600576	2.5933093	20	4 28.1	18.0
85976 1999 GR_{33}	15.1	X	76.63870	126.00835	54.65874	13.90087	0.1097187	0.24042252	2.5614504	20	6 27.6	18.6
85977 1999 GZ_{42}	14.9	X	239.50494	340.60364	161.74506	13.38656	0.2594129	0.21303917	2.7764919	20	10 19.5	19.1
85978 1999 GD_{45}	14.8	X	225.73701	28.80168	137.10831	8.01938	0.1474447	0.21253504	2.7808807	20	11 15.8	19.0
85979 1999 GH_{59}	15.3	X	224.08802	85.45393	122.40056	4.30763	0.0451732	0.21759620	2.7375907	20	—	—
85980 1999 HG_{3}	15.2	X	45.20983	63.97035	115.04505	8.55300	0.1383923	0.23611248	2.5925278	20	5 15.3	18.2
85981 1999 HS_{3}	15.0	X	127.87660	352.21175	157.65259	14.66956	0.1427375	0.24529115	2.5274436	20	7 20.9	19.0
85982 1999 HQ_{6}	14.4	X	118.79970	351.51294	2.29329	8.90283	0.1141444	0.22313583	2.6920917	20	—	—
85983 1999 HX_{7}	15.2	X	289.98919	104.94056	211.87037	9.82583	0.2961556	0.23311585	2.6146979	20	4 10.8	19.1
85984 1999 HV_{10}	14.4	X	56.82190	17.64829	238.66978	14.32369	0.2585901	0.19840808	2.9113638	20	9 24.6	18.8
85985 1999 JW	15.1	X	245.45745	112.05209	162.51530	13.87636	0.2524414	0.22266976	2.6958469	20	1 16.6	20.0
85986 1999 JX	14.9	X	240.53523	80.48084	128.74011	14.37271	0.2039584	0.21700580	2.7425538	20	—	—
85987 1999 JT_{5}	15.4	X	228.10768	296.94172	48.44483	23.51683	0.0669734	0.37310950	1.9109318	20	4 8.5	17.9
85988 1999 JX_{5}	14.7	X	228.96498	335.32925	204.70118	27.75386	0.1468626	0.21189584	2.7864703	20	12 3.4	19.1
85989 1999 JD_{6}	17.1	X	238.10331	309.23013	130.17118	17.06136	0.6328434	1.18755579	0.8831478	20	—	—
85990 1999 JV_{6}	20.2	X	194.71328	235.53102	124.31772	5.35923	0.3110962	0.97358755	1.0082140	20	—	—
85991 1999 JJ_{16}	15.0	X	298.45538	97.01506	228.12359	0.41562	0.1828966	0.18897151	3.0074967	20	5 22.5	18.7
85992 1999 JR_{17}	14.7	X	139.90152	332.78014	230.35812	17.03452	0.1656335	0.20486910	2.8498264	20	10 2.3	19.6
85993 1999 JU_{28}	15.4	X	190.73336	325.33060	313.68704	2.49104	0.1630449	0.21711657	2.7416209	20	—	—
85994 1999 JV_{41}	15.1	X	124.43592	114.92841	99.76069	4.15507	0.1750910	0.20263238	2.8707596	20	10 8.6	19.8
85995 1999 JT_{56}	14.6	X	81.71272	91.15151	59.38599	12.90006	0.1194447	0.18848552	3.0126641	20	5 25.6	18.7
85996 1999 JO_{65}	15.0	X	275.12924	226.95238	41.62010	15.38243	0.0701624	0.22945228	2.6424562	20	3 2.8	19.0
85997 1999 JB_{69}	15.1	X	114.56446	204.84227	74.88771	7.78102	0.0869768	0.20903580	2.8118292	20	12 10.4	19.3
85998 1999 JH_{69}	15.2	X	244.75198	99.80965	191.30662	11.99120	0.2590225	0.22472982	2.6793467	20	2 2.1	20.0
85999 1999 JY_{72}	15.0	X	127.14570	233.36296	180.19979	6.41213	0.1210443	0.27523961	2.3406084	20	3 11.3	18.2
86000 1999 JT_{78}	15.2	X	353.29798	95.91519	166.86729	14.74920	0.0867231	0.23657111	2.5891760	20	6 9.4	18.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
86001 1999 JE_{80}	14.0	X	223.71894	54.03034	211.68162	21.95602	0.1480886	0.17237192	3.1976067	20	—	—
86002 1999 JW_{85}	15.2	X	263.68793	105.09897	178.14783	12.01579	0.1806274	0.22802018	2.6535088	20	2 14.8	19.4
86003 1999 JO_{86}	15.5	X	313.95634	32.53507	165.90840	7.47357	0.2479928	0.22666196	2.6640986	20	—	—
86004 1999 JT_{86}	14.6	X	294.42978	160.67336	62.23035	14.08814	0.1123681	0.22617253	2.6679405	20	1 16.3	18.5
86005 1999 JP_{87}	14.9	X	171.61548	192.26794	90.15292	10.81340	0.2785002	0.21459048	2.7630945	20	—	—
86006 1999 JS_{87}	14.1	X	348.64068	265.74388	173.56586	12.24818	0.1483722	0.21653292	2.7465453	20	—	—
86007 1999 JO_{90}	15.0	X	269.56219	144.55868	117.55555	14.28323	0.1681937	0.22576063	2.6711846	20	1 29.9	19.1
86008 1999 JQ_{91}	15.4	X	241.04628	156.85694	127.78463	8.31898	0.2183224	0.22342350	2.6897803	20	1 27.5	19.9
86009 1999 JW_{93}	14.9	X	144.46841	140.51594	174.79526	8.60331	0.2924737	0.21241221	2.7819526	20	—	—
86010 1999 JS_{94}	15.1	X	211.97249	140.41680	145.13140	14.96231	0.1383856	0.22031353	2.7150340	20	1 6.5	19.6
86011 1999 JU_{94}	14.9	X	147.86018	228.05225	110.99655	15.99613	0.1350714	0.21860508	2.7291614	20	1 9.6	19.0
86012 1999 JG_{97}	15.6	X	256.22953	147.66022	174.43342	13.26141	0.1755042	0.22947124	2.6423106	20	3 29.6	19.7
86013 1999 JX_{98}	15.0	X	331.82635	87.62020	175.06550	11.93538	0.0776316	0.23312658	2.6146177	20	5 5.6	18.3
86014 1999 JE_{99}	15.1	X	167.63257	148.27270	139.17977	11.35060	0.2575328	0.21281082	2.7784777	20	—	—
86015 1999 JN_{99}	15.1	X	228.75693	119.32996	184.44110	12.17831	0.1960484	0.22274498	2.6952399	20	2 7.5	19.8
86016 1999 JK_{100}	14.7	X	259.10464	111.70352	164.18217	14.67792	0.0841759	0.22465983	2.6799032	20	2 11.4	18.6
86017 1999 JA_{101}	14.2	X	99.00182	6.28388	94.16787	22.87287	0.0563678	0.22869724	2.6482690	20	4 15.5	18.3
86018 1999 JH_{115}	15.3	X	46.07368	27.67044	48.03217	7.82573	0.0597580	0.26636040	2.3923402	20	—	—
86019 1999 JG_{127}	14.4	X	15.63919	225.08487	216.10856	5.40256	0.1055494	0.26247243	2.4159072	20	—	—
86020 1999 JP_{128}	14.1	X	256.53439	30.69693	91.13171	10.90097	0.0495774	0.20946993	2.8079428	20	11 12.4	18.0
86021 1999 KQ_{4}	13.8	X	164.62172	82.50843	260.97714	28.20294	0.3844133	0.21225730	2.7833060	20	2 2.3	19.5
86022 1999 KJ_{14}	14.3	X	331.43601	113.34612	223.03806	8.03646	0.2293747	0.19166755	2.9792274	20	7 29.5	17.4
86023 1999 KT_{18}	14.8	X	302.39901	185.23648	103.23943	7.08627	0.1414862	0.18114567	3.0935044	20	4 20.4	19.0
86024 1999 LW_{3}	14.6	X	301.55359	96.21043	125.22640	27.88090	0.1796452	0.22535756	2.6743688	20	1 13.0	18.4
86025 1999 LX_{3}	15.9	X	320.59462	273.39483	255.54844	25.85260	0.1286593	0.40979042	1.7951256	20	—	—
86026 1999 LQ_{6}	14.5	X	346.68770	307.99835	70.70046	13.09460	0.1909596	0.20219471	2.8749008	20	11 12.6	17.5
86027 1999 LL_{13}	14.8	X	221.83453	46.09546	225.39288	9.40078	0.1862140	0.21768308	2.7368622	20	—	—
86028 1999 LR_{19}	14.1	X	5.01042	11.09134	255.98678	22.60254	0.1957201	0.19021400	2.9943856	20	7 3.1	17.3
86029 1999 LV_{32}	15.4	X	261.78940	167.06606	134.07680	13.83451	0.1787312	0.22792667	2.6542345	20	3 10.9	19.6
86030 1999 NS_{1}	15.8	X	135.21453	237.33231	267.63742	16.27540	0.0263629	0.37447363	1.9062882	20	7 19.9	17.9
86031 1999 NR_{2}	14.9	X	170.81962	137.03761	124.31818	26.98379	0.0107227	0.39593163	1.8367748	20	—	—
86032 1999 NK_{5}	14.8	X	120.56411	176.04178	175.21610	12.43908	0.2070932	0.20937061	2.8088308	20	1 4.5	19.1
86033 1999 ND_{8}	14.7	X	141.16616	256.21044	132.08459	9.79162	0.2087375	0.21509265	2.7587923	20	3 11.8	19.2
86034 1999 NU_{9}	14.0	X	218.23269	312.02042	307.24671	14.17475	0.0857731	0.21124298	2.7922086	20	—	—
86035 1999 NH_{28}	15.9	X	261.93565	357.46685	307.41551	18.13160	0.0598695	0.36592397	1.9358668	20	3 3.3	18.3
86036 1999 NS_{33}	14.3	X	47.84948	63.77533	290.82795	15.29220	0.2372430	0.19976240	2.8981902	20	—	—
86037 1999 NN_{37}	14.0	X	322.18625	11.99483	299.75203	13.36481	0.1080279	0.23195339	2.6234265	20	6 24.3	17.0
86038 1999 NY_{38}	13.3	X	263.94856	97.47007	326.42033	9.91650	0.0827560	0.19004253	2.9961865	20	8 27.6	17.5
86039 1999 NC_{43}	15.9	X	261.88869	120.75924	311.66135	7.13085	0.5786545	0.42203033	1.7602470	20	7 14.8	18.2
86040 1999 NU_{43}	15.1	X	159.75002	134.34153	158.12791	8.25228	0.2035496	0.21136640	2.7911215	20	—	—
86041 1999 NN_{56}	14.4	X	271.60019	69.45676	287.60857	20.90912	0.0784134	0.18031732	3.1029712	20	6 14.1	18.9
86042 1999 NH_{65}	14.9	X	293.54810	126.11127	202.37998	13.82683	0.1748996	0.23054674	2.6340866	20	5 21.9	18.3
86043 Cévennes	14.7	X	98.22582	117.84333	129.73801	12.55468	0.1684229	0.19633776	2.9317943	20	10 25.9	19.5
86044 1999 OD_{2}	14.2	X	337.64704	94.71426	235.08356	14.86573	0.2460580	0.18412879	3.0600011	20	7 29.1	17.5
86045 1999 ON_{2}	15.3	X	142.64325	204.23187	308.66272	20.12555	0.0225391	0.37023039	1.9208259	20	8 13.6	17.2
86046 1999 OY_{2}	14.4	X	289.87828	108.89549	223.84151	24.11028	0.3752310	0.17857583	3.1231123	20	4 22.5	19.1
86047 1999 OY_{3}	6.8	X	64.73115	306.96293	301.71763	24.15292	0.1731664	0.00335867	44.1595073	20	8 19.1	23.1
86048 1999 PP_{1}	14.1	X	265.37903	39.45042	8.86319	9.94080	0.0985721	0.18345777	3.0674581	20	8 11.1	18.5
86049 1999 PH_{4}	14.7	X	269.44319	236.07117	129.43297	5.57093	0.1998069	0.17923780	3.1154179	20	6 4.6	19.3
86050 1999 PG_{8}	15.2	X	64.85669	328.69715	344.84805	5.24451	0.2122530	0.19786420	2.9166965	20	12 9.8	19.7
86051 1999 QB_{2}	13.8	X	154.05954	44.60653	305.16601	6.72814	0.2342900	0.21072463	2.7967856	20	2 5.8	18.4
86052 1999 RM_{2}	13.9	X	269.29830	168.02762	278.01128	9.18011	0.0773033	0.19159332	2.9799969	20	9 29.1	18.1
86053 1999 RY_{4}	13.6	X	149.78867	116.45696	349.83409	26.36099	0.1463209	0.17524473	3.1625645	20	6 16.1	19.2
86054 1999 RH_{11}	14.5	X	319.89986	215.53854	135.13112	11.55140	0.0991042	0.18645429	3.0345045	20	8 10.9	18.1
86055 1999 RO_{12}	14.2	X	177.08967	140.53983	310.30619	8.17186	0.0368865	0.17948532	3.1125531	20	6 23.8	18.8
86056 1999 RE_{14}	14.9	X	279.17016	183.99934	155.93251	14.19475	0.2644946	0.17950819	3.1122887	20	5 9.2	19.7
86057 1999 RV_{14}	14.8	X	5.35998	145.53986	206.00195	0.94887	0.1447618	0.19138393	2.9821701	20	10 30.3	18.2
86058 1999 RO_{15}	13.5	X	291.30113	335.13068	345.91031	22.78689	0.0942587	0.17864295	3.1223299	20	5 10.9	18.3
86059 1999 RX_{15}	15.3	X	107.14917	243.06448	163.33596	4.37034	0.1924814	0.21023076	2.8011640	20	2 24.2	19.2
86060 1999 RO_{18}	14.5	X	333.00293	10.87690	316.72042	6.44236	0.1834717	0.18417800	3.0594560	20	7 26.7	17.8
86061 1999 RT_{19}	12.8	X	147.39245	96.91737	350.04301	18.19135	0.0911690	0.17307722	3.1889138	20	5 11.3	18.0
86062 1999 RJ_{20}	13.9	X	260.90841	135.49789	339.23766	10.06511	0.0658802	0.19204599	2.9753123	20	10 26.6	18.2
86063 1999 RK_{25}	15.2	X	74.35340	13.76302	348.33364	7.99941	0.3087233	0.19992807	2.8965890	20	—	—
86064 1999 RP_{26}	14.8	X	231.87088	10.67053	20.65639	5.69574	0.1610012	0.17550276	3.1594641	20	5 30.8	19.9
86065 1999 RO_{27}	14.8	X	292.04403	187.67073	162.21207	4.50184	0.1554854	0.18054681	3.1003412	20	6 19.4	19.0
86066 1999 RR_{27}	14.9	X	307.19280	46.69690	349.71518	10.28815	0.2952584	0.18521897	3.0479820	20	8 27.2	18.1
86067 1999 RM_{28}	16.4	X	109.19303	301.85375	136.06133	30.54648	0.3239018	0.40246668	1.8168375	20	4 24.6	19.5
86068 1999 RL_{30}	16.1	X	219.20410	99.03604	339.33303	19.76817	0.0955399	0.37182978	1.9153138	20	8 11.4	18.2
86069 1999 RO_{32}	13.4	X	206.04776	90.84536	357.32640	12.90176	0.2766221	0.17588485	3.1548867	20	7 12.8	19.1
86070 1999 RZ_{43}	13.9	X	240.23781	293.19902	88.79844	6.24974	0.1409393	0.17420878	3.1750899	20	5 31.2	18.6
86071 1999 RR_{45}	15.7	X	71.13036	175.93119	349.06862	5.91897	0.1260407	0.26930355	2.3748781	20	5 30.6	18.6
86072 1999 RW_{45}	15.0	X	304.90655	286.81026	68.87973	1.44098	0.3098794	0.18272532	3.0756498	20	6 21.6	18.5
86073 1999 RX_{51}	15.5	X	103.66583	132.33917	173.65486	3.28061	0.2625684	0.20179907	2.8786571	20	—	—
86074 1999 RA_{57}	14.1	X	141.78230	199.74698	318.28726	8.57479	0.0496275	0.18506171	3.0497085	20	8 7.3	18.6
86075 1999 RJ_{58}	15.9	X	297.46705	131.95123	164.76802	6.83596	0.1146694	0.27279709	2.3545589	20	4 22.1	18.7
86076 1999 RD_{65}	15.2	X	40.62340	336.39603	339.45032	10.29888	0.0943565	0.19287262	2.9668050	20	10 24.9	19.4
86077 1999 RA_{67}	14.9	X	358.65487	178.65182	150.06452	11.12309	0.0754313	0.18845412	3.0129988	20	9 14.4	18.7
86078 1999 RS_{67}	15.6	X	237.58477	11.70122	300.13076	5.95386	0.1106289	0.26575706	2.3959597	20	2 25.9	19.1
86079 1999 RK_{70}	15.1	X	13.46240	118.24562	191.70204	9.57177	0.0939508	0.18807320	3.0170657	20	9 10.4	18.9
86080 1999 RJ_{71}	15.0	X	269.12948	268.75387	122.68543	2.74116	0.1829232	0.18133078	3.0913988	20	7 8.6	19.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
86081 1999 RN_{73}	14.0	X	125.02163	273.36770	303.77986	6.98745	0.0504165	0.19002182	2.9964042	20	9 27.9	18.6
86082 1999 RA_{74}	15.0	X	62.58155	45.91509	352.84092	14.74849	0.1505776	0.20360431	2.8616163	20	—	—
86083 1999 RC_{74}	15.0	X	303.30422	170.04550	151.95285	7.34349	0.1326525	0.18010633	3.1053941	20	6 3.6	19.1
86084 1999 RJ_{75}	14.9	X	330.76307	336.87874	343.90997	5.84066	0.1362448	0.18320460	3.0702834	20	7 16.9	18.5
86085 1999 RW_{80}	14.6	X	329.44235	340.31540	320.87529	9.40660	0.0926913	0.18081419	3.0972841	20	6 20.5	18.6
86086 1999 RR_{81}	14.7	X	249.73689	207.78634	185.15459	9.78471	0.0950247	0.17954419	3.1118727	20	6 28.7	19.4
86087 1999 RZ_{86}	15.9	X	307.24935	186.43466	154.68562	4.61133	0.2338127	0.18193023	3.0846044	20	6 18.7	19.7
86088 1999 RR_{88}	13.6	X	166.32364	99.84006	335.90803	4.54685	0.1406647	0.17238352	3.1974632	20	5 24.6	18.8
86089 1999 RN_{89}	14.6	X	346.10792	138.87033	171.29745	9.95553	0.1259571	0.18316199	3.0707595	20	7 27.3	18.4
86090 1999 RT_{90}	14.6	X	260.54984	254.22409	152.70138	8.28759	0.0759654	0.18199554	3.0838664	20	8 1.6	18.9
86091 1999 RF_{92}	14.3	X	297.65556	227.26156	182.21617	12.29282	0.1878175	0.18610074	3.0383466	20	9 10.3	17.9
86092 1999 RW_{94}	14.5	X	336.44452	215.23216	166.73165	5.88928	0.1383946	0.18898188	3.0073867	20	10 21.2	17.9
86093 1999 RZ_{95}	13.9	X	219.49427	358.34560	34.92262	9.36132	0.1014373	0.17485508	3.1672612	20	5 24.9	18.8
86094 1999 RW_{100}	13.6	X	308.36758	39.76908	279.10201	11.38967	0.3212878	0.18241173	3.0791738	20	5 3.5	17.6
86095 1999 RZ_{100}	14.1	X	264.17837	90.40252	236.01615	14.68065	0.1113834	0.17730777	3.1379850	20	4 19.6	18.9
86096 1999 RB_{103}	14.2	X	308.75106	156.01204	214.36380	15.90974	0.2297203	0.18498591	3.0505416	20	7 27.4	18.1
86097 1999 RC_{104}	13.9	X	201.18672	251.88232	269.64345	9.16828	0.0536313	0.19239371	2.9717263	20	10 14.8	18.4
86098 1999 RL_{105}	13.9	X	62.80799	213.22338	115.43051	2.16955	0.0965335	0.19370529	2.9582967	20	12 11.8	18.1
86099 1999 RO_{106}	14.3	X	346.25115	357.19907	298.21908	8.10088	0.0976093	0.18137115	3.0909400	20	7 9.8	18.2
86100 1999 RH_{107}	15.1	X	290.50467	188.70376	140.08793	6.36832	0.1528058	0.17794523	3.1304864	20	5 22.7	19.4
86101 1999 RY_{107}	14.4	X	339.62360	142.98520	238.75150	5.66813	0.1183317	0.19081882	2.9880549	20	10 23.6	17.9
86102 1999 RP_{108}	14.1	X	316.21864	87.84945	298.36089	8.61252	0.0921632	0.18795295	3.0183524	20	9 17.6	18.1
86103 1999 RB_{109}	14.4	X	220.22685	84.61007	336.76712	9.00597	0.0885473	0.17798789	3.1299861	20	7 3.6	19.2
86104 1999 RF_{110}	14.1	X	281.18235	132.20581	297.66427	8.36117	0.0665248	0.18686257	3.0300829	20	9 25.7	18.4
86105 1999 RG_{110}	14.5	X	262.58778	89.96833	312.31451	9.23509	0.0989980	0.17990543	3.1077055	20	7 27.1	18.9
86106 1999 RP_{113}	13.9	X	292.20030	77.23731	324.18630	8.25461	0.0732366	0.18872469	3.0101184	20	9 6.4	18.0
86107 1999 RL_{115}	14.5	X	278.87326	225.48247	146.29673	9.91395	0.1424405	0.18257194	3.0773722	20	7 1.7	18.8
86108 1999 RR_{116}	14.5	X	338.39592	69.83445	223.41283	8.31312	0.2250868	0.18501141	3.0502613	20	6 13.7	17.6
86109 1999 RV_{118}	14.0	X	303.20870	98.41147	286.59868	9.02471	0.1321017	0.18791476	3.0187614	20	8 22.8	17.8
86110 1999 RH_{123}	13.7	X	112.19118	254.08417	281.38300	8.09786	0.0172300	0.18146499	3.0898744	20	7 20.4	18.0
86111 1999 RM_{123}	14.2	X	216.41305	183.56290	242.89466	8.53886	0.0671868	0.17929090	3.1148027	20	7 5.2	18.9
86112 1999 RN_{123}	13.6	X	16.39785	69.96862	308.26587	10.99308	0.0715607	0.19527154	2.9424567	20	12 11.3	17.6
86113 1999 RC_{129}	12.8	X	192.55744	156.95983	325.02803	12.43399	0.1339283	0.18633544	3.0357947	20	8 15.7	17.6
86114 1999 RD_{130}	14.1	X	320.26067	13.22111	335.30534	11.23434	0.1296032	0.18590983	3.0404263	20	8 7.7	17.8
86115 1999 RF_{133}	14.1	X	247.84903	106.90445	278.38785	8.23879	0.0895577	0.18014522	3.1049472	20	6 18.2	18.7
86116 1999 RR_{133}	14.7	X	356.91213	82.63074	294.61949	9.60118	0.1422404	0.19337536	2.9616606	20	11 17.1	18.3
86117 1999 RC_{135}	14.5	X	330.65534	70.44861	325.17175	2.12682	0.1847765	0.19170959	2.9787918	20	10 26.9	17.7
86118 1999 RD_{138}	14.8	X	123.48172	74.37859	347.20240	6.90725	0.1789852	0.21508137	2.7588888	20	3 28.3	19.0
86119 1999 RA_{140}	14.7	X	326.32823	195.83900	183.84240	10.19660	0.0576268	0.19083712	2.9878639	20	10 1.7	18.4
86120 1999 RM_{140}	14.4	X	336.82223	359.81366	335.18893	8.34284	0.0550628	0.18683301	3.0304024	20	8 19.2	18.2
86121 1999 RE_{144}	14.8	X	309.13479	36.93262	318.08952	7.86932	0.1054524	0.18349769	3.0670132	20	7 30.1	18.5
86122 1999 RH_{144}	14.7	X	10.48372	116.52235	200.82859	9.79285	0.1024684	0.18850059	3.0125036	20	9 16.2	18.6
86123 1999 RQ_{144}	14.9	X	2.20220	66.36540	290.37697	8.90121	0.0871728	0.19202692	2.9755093	20	10 22.2	18.8
86124 1999 RK_{147}	14.4	X	212.58091	225.18163	286.37665	8.12644	0.0143966	0.19329710	2.9624600	20	10 20.6	18.7
86125 1999 RH_{152}	14.5	X	3.64678	305.32066	332.92822	9.04953	0.0651570	0.18300081	3.0725624	20	7 15.6	18.5
86126 1999 RV_{152}	14.9	X	7.26040	164.02030	184.57290	9.93175	0.1508709	0.19151202	2.9808402	20	11 1.1	18.4
86127 1999 RB_{154}	14.6	X	254.89176	215.92502	183.99314	10.62848	0.1305692	0.18131650	3.0915611	20	7 8.4	19.3
86128 1999 RC_{154}	13.8	X	166.73384	218.13841	318.89500	8.83674	0.0232963	0.19043139	2.9921063	20	9 25.5	18.3
86129 1999 RO_{155}	13.6	X	10.62744	34.27183	317.33875	10.03279	0.1086595	0.19203994	2.9753748	20	10 29.9	17.5
86130 1999 RN_{156}	13.3	X	127.23888	172.62109	329.39368	10.08320	0.0221195	0.17951922	3.1121611	20	6 28.6	17.9
86131 1999 RV_{159}	14.1	X	66.11752	9.22330	2.44140	11.21234	0.0753897	0.20221464	2.8747118	20	—	—
86132 1999 RJ_{165}	15.1	X	336.85576	95.74369	208.80924	3.10199	0.1927913	0.18329262	3.0693004	20	6 29.5	18.4
86133 1999 RA_{171}	14.9	X	291.31189	254.96967	133.56325	1.63835	0.1700185	0.18399197	3.0615179	20	8 6.5	18.8
86134 1999 RZ_{171}	14.1	X	25.66575	79.90150	17.60794	5.69988	0.1997731	0.20548569	2.8441227	20	—	—
86135 1999 RK_{172}	14.0	X	270.22223	296.91361	146.55072	11.83702	0.1253789	0.18915658	3.0055347	20	9 27.7	18.1
86136 1999 RZ_{172}	15.1	X	40.45888	189.54342	132.68769	12.05466	0.1499298	0.19309545	2.9645220	20	11 18.2	19.3
86137 1999 RN_{174}	15.0	X	349.21305	263.47181	47.20137	2.35033	0.1544811	0.18485419	3.0519906	20	8 5.8	18.3
86138 1999 RL_{175}	14.2	X	223.14023	155.44863	276.36126	1.27155	0.1735549	0.17871688	3.1214688	20	7 11.0	19.0
86139 1999 RT_{182}	14.8	X	249.16673	225.75895	192.50569	5.19116	0.1563975	0.18075938	3.0979101	20	7 21.7	19.4
86140 1999 RA_{183}	13.0	X	217.14787	350.62615	356.77403	21.35506	0.0385076	0.17054353	3.2204203	20	3 29.1	17.8
86141 1999 RD_{184}	14.1	X	134.08709	88.36664	2.64987	21.93021	0.1130944	0.17140981	3.2095608	20	5 2.2	19.3
86142 1999 RJ_{184}	14.5	X	254.47907	7.50083	11.92078	11.47689	0.1934219	0.17835612	3.1256766	20	6 3.4	19.4
86143 1999 RV_{186}	15.3	X	278.69606	60.21103	331.55353	5.30449	0.1276349	0.18296696	3.0729413	20	7 30.9	19.3
86144 1999 RK_{191}	14.6	X	260.47528	5.66895	17.38150	9.80354	0.0994831	0.18085848	3.0967784	20	6 29.8	19.2
86145 1999 RU_{191}	14.4	X	64.13535	250.41954	347.54092	4.89831	0.1112223	0.18552692	3.0446083	20	8 24.3	18.5
86146 1999 RA_{194}	14.3	X	273.91778	130.47048	262.65009	3.77664	0.1663957	0.18136446	3.0910160	20	7 18.8	18.7
86147 1999 RB_{196}	14.4	X	82.92405	138.47134	306.94720	15.26343	0.1856084	0.21139847	2.7908392	20	3 5.9	18.2
86148 1999 RV_{196}	14.4	X	3.66786	38.49048	299.41311	9.20341	0.1177802	0.18943765	3.0025611	20	9 30.8	18.2
86149 1999 RA_{199}	14.4	X	274.30620	62.09310	301.96714	21.06926	0.1092004	0.18054339	3.1003805	20	6 23.2	18.9
86150 1999 RP_{200}	14.4	X	99.71991	301.33364	313.54677	12.06310	0.1191743	0.19217883	2.9739411	20	10 20.2	19.2
86151 1999 RW_{200}	13.5	X	199.02019	42.04678	322.15547	18.86419	0.0544257	0.16949356	3.2337064	20	3 23.5	18.6
86152 1999 RZ_{200}	13.9	X	262.57710	9.25506	286.56075	15.32276	0.0884485	0.17047593	3.2212715	20	3 8.7	19.0
86153 1999 RE_{201}	13.3	X	200.39585	103.78402	312.63866	16.20208	0.1992382	0.17371076	3.1811555	20	5 30.2	18.9
86154 1999 RH_{201}	14.5	X	331.95211	9.08165	327.69758	17.31896	0.2476275	0.18441703	3.0568118	20	8 4.3	17.4
86155 1999 RS_{201}	13.7	X	184.97625	199.38324	242.02965	13.41629	0.1660126	0.17444383	3.1722371	20	6 17.9	19.0
86156 1999 RB_{203}	13.3	X	196.56941	113.29883	302.64155	16.06923	0.1508214	0.17444305	3.1722465	20	5 27.9	18.7
86157 1999 RW_{203}	14.6	X	310.06905	338.01038	332.12006	9.56001	0.1911478	0.17863783	3.1223896	20	5 15.8	18.7
86158 1999 RY_{203}	14.4	X	46.20234	347.33983	240.81733	15.17619	0.0120887	0.17903711	3.1177456	20	6 30.9	18.9
86159 1999 RB_{204}	14.5	X	250.67578	66.21497	305.89844	9.87103	0.0527350	0.17652598	3.1472431	20	6 9.3	19.2
86160 1999 RM_{205}	14.1	X	254.84417	110.83445	264.21853	12.22336	0.0770358	0.17711285	3.1402869	20	6 15.1	18.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
86161 1999 RQ_{205}	13.5	X	188.20357	118.00108	319.59829	13.61366	0.0493207	0.17572052	3.1568532	20	6 20.1	18.3
86162 1999 RR_{205}	13.2	X	273.32159	166.43830	247.02588	10.37594	0.0964843	0.18389592	3.0625838	20	8 19.7	17.6
86163 1999 RT_{205}	13.2	X	118.09050	324.51072	296.16914	9.04496	0.0577011	0.19313295	2.9641384	20	11 14.6	17.8
86164 1999 RG_{207}	14.0	X	201.39775	138.89158	275.06346	8.24250	0.0754267	0.17435364	3.1733310	20	6 3.1	18.8
86165 1999 RZ_{207}	14.2	X	2.24665	341.69869	296.43978	9.17275	0.0817499	0.17957182	3.1115534	20	7 12.1	18.0
86166 1999 RE_{208}	14.0	X	259.71997	82.72393	269.42580	11.45945	0.1729576	0.17547904	3.1597488	20	5 8.9	19.0
86167 1999 RM_{209}	13.7	X	247.65604	164.44312	276.10776	9.80146	0.1878136	0.18183907	3.0856352	20	8 11.1	18.4
86168 1999 RQ_{209}	13.2	X	0.39899	109.45075	277.48755	9.42170	0.1058263	0.19202812	2.9754968	20	12 2.7	17.0
86169 1999 RW_{209}	14.9	X	337.89737	5.23427	329.34927	10.43454	0.1243375	0.18323185	3.0699790	20	8 17.8	18.5
86170 1999 RJ_{210}	13.7	X	328.69044	96.59193	321.32627	9.40510	0.0880355	0.19143857	2.9816026	20	11 20.3	17.6
86171 1999 RO_{211}	13.6	X	224.19315	187.72146	206.78271	27.44235	0.1593448	0.17408723	3.1765677	20	5 28.1	19.0
86172 1999 RP_{211}	14.2	X	43.95156	18.23307	323.68821	9.55045	0.0986224	0.19243914	2.9712585	20	12 4.3	18.5
86173 1999 RH_{212}	14.8	X	287.56064	139.01094	259.00780	8.24271	0.0789961	0.18413230	3.0599623	20	8 22.8	19.0
86174 1999 RV_{212}	14.4	X	337.11336	0.52324	321.13641	8.60709	0.1062303	0.18124939	3.0923242	20	7 30.6	18.0
86175 1999 RE_{213}	14.2	X	345.11880	75.42375	264.55063	14.12396	0.0870215	0.18738632	3.0244341	20	8 29.7	18.3
86176 1999 RO_{214}	13.4	X	267.58116	89.26026	355.45983	10.80763	0.1174844	0.18730918	3.0252644	20	9 22.9	17.5
86177 1999 RY_{215}	7.1	X	352.29890	50.34395	326.51877	22.13273	0.2397070	0.00321746	45.4422889	20	9 19.3	22.5
86178 1999 RP_{218}	15.1	X	313.50523	170.57313	191.79627	7.14514	0.0711256	0.18503520	3.0499998	20	8 16.7	19.2
86179 1999 RW_{220}	14.6	X	304.28604	102.82994	304.84882	9.58617	0.0642240	0.18989089	2.9977814	20	9 29.7	18.7
86180 1999 RG_{221}	14.8	X	274.70436	257.05847	116.55255	6.84144	0.2412723	0.17962875	3.1108960	20	6 14.8	19.3
86181 1999 RU_{222}	13.9	X	48.11054	34.12965	279.00069	9.48146	0.0879868	0.19258989	2.9697079	20	10 31.8	18.1
86182 1999 RA_{223}	13.7	X	264.92585	22.65192	303.08697	11.50557	0.0372919	0.17454927	3.1709595	20	4 26.7	18.5
86183 1999 RY_{223}	14.5	X	71.86774	344.60139	299.26389	8.47983	0.0555215	0.19120477	2.9840327	20	10 18.7	18.8
86184 1999 RL_{230}	14.6	X	21.50666	331.82877	1.57804	9.73157	0.1104918	0.19305392	2.9649472	20	10 24.8	18.5
86185 1999 RN_{230}	13.6	X	154.79036	344.25260	150.35553	17.52866	0.1023637	0.17929811	3.1147193	20	7 23.8	18.6
86186 1999 RX_{234}	14.2	X	190.26452	309.46471	148.80724	11.59642	0.0469066	0.17975242	3.1094690	20	7 17.2	18.9
86187 1999 RQ_{239}	14.3	X	298.34464	235.90990	160.42362	13.66331	0.1368417	0.18402997	3.0610965	20	9 1.8	18.0
86188 1999 RV_{241}	15.1	X	283.50518	341.82811	355.05409	4.72372	0.1517658	0.17821110	3.1273720	20	5 21.0	19.4
86189 1999 RK_{242}	15.0	X	19.36761	200.57713	163.42066	5.87207	0.1343172	0.19638517	2.9313225	20	12 7.4	18.8
86190 1999 RQ_{247}	14.3	X	278.32917	189.13448	157.05522	17.88882	0.1793643	0.17801366	3.1296841	20	5 27.5	19.1
86191 1999 RY_{251}	14.2	X	299.29890	108.94334	234.73926	20.93796	0.0190998	0.18031326	3.1030179	20	7 5.8	18.8
86192 1999 SV_{1}	14.3	X	65.07502	290.47572	256.55902	18.28451	0.0362323	0.36871047	1.9261011	20	6 10.6	15.6
86193 1999 SA_{2}	16.1	X	261.90844	168.58103	204.39995	22.05695	0.0825217	0.36985004	1.9221426	20	6 23.7	18.6
86194 1999 SD_{2}	15.3	X	307.52930	255.99190	209.24618	23.23092	0.1476058	0.38763048	1.8629053	20	—	—
86195 1999 ST_{9}	14.5	X	249.84770	10.66201	358.35093	6.02310	0.1872175	0.17512060	3.1640589	20	5 18.1	19.5
86196 Specula	14.6	X	228.70565	198.26009	235.28370	16.61467	0.1816804	0.17724760	3.1386952	20	7 13.6	19.8
86197 1999 SP_{15}	14.8	X	16.60216	2.37949	324.58267	9.59643	0.1107796	0.18803903	3.0174312	20	10 6.4	18.8
86198 1999 SO_{16}	14.8	X	4.32666	50.00367	333.12430	9.37086	0.0906903	0.19333558	2.9620669	20	11 30.9	18.7
86199 1999 SS_{20}	14.3	X	337.66343	235.97046	349.22396	3.20622	0.0981722	0.16958236	3.2325774	20	3 24.6	18.3
86200 1999 SE_{26}	14.4	X	4.43444	345.74967	262.38205	9.46146	0.1714854	0.17796414	3.1302647	20	6 6.7	17.8
86201 1999 TD_{1}	14.3	X	313.31874	128.78267	199.61840	23.11064	0.1818256	0.17956834	3.1115936	20	6 17.9	18.6
86202 1999 TT_{1}	14.0	X	284.47311	321.86555	18.13583	10.62852	0.2276424	0.17725343	3.1386264	20	5 13.7	18.5
86203 1999 TA_{2}	14.4	X	63.53582	34.42748	309.29082	16.22418	0.3601859	0.19732325	2.9220246	20	—	—
86204 1999 TQ_{2}	14.4	X	308.49539	261.54878	140.35278	21.43932	0.2996390	0.18524437	3.0477034	20	9 6.9	17.6
86205 1999 TC_{3}	14.0	X	159.72618	344.87269	112.72671	7.11259	0.0800715	0.17415787	3.1757086	20	6 13.5	18.8
86206 1999 TK_{9}	14.2	X	267.48998	23.50428	15.39003	4.45029	0.2351337	0.17827918	3.1265758	20	7 9.6	18.9
86207 1999 TP_{15}	14.4	X	232.28869	0.55934	20.83028	10.27058	0.0726576	0.17316166	3.1878769	20	5 25.9	19.2
86208 1999 TD_{16}	13.8	X	201.21625	19.37037	15.30052	6.66167	0.1406869	0.17185479	3.2040180	20	5 6.8	19.0
86209 1999 TZ_{16}	14.4	X	355.66416	314.07040	73.75440	3.84984	0.2475877	0.19139128	2.9820937	20	12 13.3	17.4
86210 1999 TT_{20}	15.1	X	308.17696	146.46320	238.27499	1.67251	0.1185579	0.18476354	3.0529887	20	9 3.6	18.9
86211 1999 TW_{20}	15.1	X	285.41651	172.72986	198.85038	5.37944	0.1807219	0.17979787	3.1089449	20	7 3.8	19.3
86212 1999 TG_{21}	15.0	X	290.27243	37.53951	35.90827	25.33491	0.3096754	0.27947388	2.3169068	20	10 13.7	16.7
86213 1999 TY_{24}	14.4	X	283.18672	203.56975	188.03018	11.00612	0.1103796	0.18287586	3.0739618	20	8 4.9	18.7
86214 1999 TC_{29}	13.9	X	166.81000	39.37866	1.27893	9.27626	0.0732735	0.16888014	3.2415321	20	4 9.8	18.9
86215 1999 TY_{31}	14.6	X	268.36463	339.31775	17.72692	19.62702	0.1561980	0.17638161	3.1489603	20	5 22.7	19.5
86216 1999 TV_{32}	14.6	X	322.79035	333.90605	2.40294	8.95213	0.0950596	0.18166530	3.0876026	20	7 29.8	18.6
86217 1999 TB_{35}	15.0	X	123.48710	91.35125	18.59926	20.22741	0.1048691	0.36000867	1.9570146	20	5 12.2	17.5
86218 1999 TH_{37}	14.3	X	14.90330	233.89248	141.88853	11.46682	0.1067730	0.19161125	2.9798110	20	12 11.6	18.3
86219 1999 TR_{37}	14.3	X	345.32964	78.74260	291.16510	9.06471	0.1051154	0.19042779	2.9921440	20	10 13.1	18.1
86220 1999 TX_{60}	15.1	X	324.03011	48.47282	223.13211	2.75715	0.1458971	0.17737159	3.1372323	20	4 26.7	19.0
86221 1999 TY_{65}	15.1	X	297.96785	85.42033	231.29222	4.68347	0.1817416	0.17653731	3.1471084	20	5 11.2	19.0
86222 1999 TJ_{85}	15.1	X	280.03203	140.99997	175.61684	1.81493	0.1547697	0.17129072	3.2110482	20	4 22.8	19.6
86223 1999 TE_{96}	14.5	X	336.18255	179.08236	172.11556	9.85135	0.0983996	0.18470693	3.0536125	20	9 6.2	18.3
86224 1999 TJ_{97}	14.5	X	353.34528	184.17678	161.16236	16.22765	0.0507206	0.18627395	3.0364628	20	9 27.3	18.5
86225 1999 TV_{97}	14.0	X	263.76296	225.95092	181.67294	16.38951	0.1300266	0.18034405	3.1026646	20	7 27.5	18.7
86226 1999 TC_{102}	14.0	X	330.84784	290.35649	101.33109	11.06779	0.0986131	0.18768743	3.0211985	20	10 27.8	17.9
86227 1999 TM_{102}	14.8	X	19.81981	197.33039	129.66818	13.67899	0.2867084	0.18859472	3.0115012	20	11 16.1	18.6
86228 1999 TW_{107}	14.5	X	296.62055	78.44958	272.53480	8.27494	0.0966112	0.18164688	3.0878113	20	7 5.8	18.6
86229 1999 TZ_{107}	13.6	X	184.10020	179.02705	276.38901	11.43507	0.0384012	0.17943985	3.1130788	20	7 6.9	18.2
86230 1999 TH_{108}	13.4	X	235.67993	228.21132	306.58682	12.47908	0.0522530	0.19741299	2.9211391	20	12 15.9	17.7
86231 1999 TU_{109}	13.9	X	105.53832	294.81566	330.20620	8.19503	0.0650834	0.19308663	2.9646123	20	11 5.7	18.5
86232 1999 TG_{111}	13.8	X	256.53844	146.65218	295.63502	7.99415	0.1111309	0.18554315	3.0444307	20	9 3.4	18.2
86233 1999 TT_{111}	14.7	X	354.43279	302.92742	352.96957	13.88094	0.1838725	0.18340080	3.0680933	20	7 30.8	18.1
86234 1999 TY_{111}	14.2	X	178.54983	95.59026	336.21259	3.82401	0.1415450	0.17312544	3.1883216	20	5 31.5	19.3
86235 1999 TW_{114}	14.6	X	207.19701	180.72301	219.20328	4.36222	0.1712278	0.17301826	3.1896382	20	5 19.2	19.9
86236 1999 TJ_{115}	14.2	X	242.44904	68.69130	278.63284	4.33171	0.1758645	0.17317558	3.1877061	20	4 15.8	19.3
86237 1999 TQ_{116}	15.2	X	295.71737	306.44157	31.30563	1.28045	0.1694273	0.17903768	3.1177390	20	6 6.2	19.3
86238 1999 TJ_{118}	13.5	X	345.65881	64.75507	358.15763	11.70227	0.0407007	0.19513642	2.9438148	20	12 22.7	17.6
86239 1999 TV_{118}	13.7	X	109.51107	114.71203	7.51462	8.25250	0.0413702	0.17118341	3.2123900	20	5 11.5	18.3
86240 1999 TU_{119}	14.2	X	177.48795	82.79293	348.40028	4.38969	0.1334470	0.17190914	3.2033428	20	5 29.5	19.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
86241 1999 TE_{120}	13.6	X	77.16223	260.08057	349.28272	9.03214	0.0551518	0.18505676	3.0497629	20	9 14.9	17.9
86242 1999 TT_{127}	14.9	X	282.20713	209.33568	148.55421	6.24014	0.1526935	0.17797065	3.1301882	20	6 16.9	19.3
86243 1999 TW_{130}	14.6	X	181.71630	78.04459	353.21045	6.03080	0.1143097	0.17377045	3.1804270	20	6 2.5	19.7
86244 1999 TA_{132}	15.3	X	312.49881	81.02575	225.88822	1.72426	0.1003150	0.17774514	3.1328352	20	5 31.7	19.2
86245 1999 TN_{143}	14.3	X	315.88987	280.60136	359.92065	15.93616	0.0983468	0.17410109	3.1763991	20	4 26.3	18.7
86246 1999 TO_{143}	14.2	X	158.84658	99.31220	329.87648	6.50351	0.0907955	0.17009338	3.2260996	20	5 6.2	19.2
86247 1999 TP_{145}	14.1	X	327.58885	246.07605	27.44866	5.32012	0.1269587	0.17611008	3.1521962	20	5 6.7	18.0
86248 1999 TT_{154}	14.6	X	202.00703	341.35169	65.80188	6.34188	0.1668402	0.17126376	3.2113852	20	5 23.3	19.7
86249 1999 TU_{160}	14.2	X	229.89085	140.26196	232.82271	6.63886	0.0332611	0.17393771	3.1783878	20	5 19.0	18.8
86250 1999 TV_{172}	14.3	X	195.91082	223.41784	186.35498	4.92040	0.1376149	0.17023230	3.2243442	20	5 22.5	19.4
86251 1999 TE_{183}	14.5	X	258.11232	157.96869	166.17915	5.33275	0.1516402	0.17178982	3.2048258	20	4 9.0	19.4
86252 1999 TG_{186}	14.0	X	307.85902	318.99411	326.52803	14.47484	0.1419292	0.17351045	3.1836034	20	4 13.7	18.5
86253 1999 TT_{188}	13.9	X	231.89062	118.89106	234.42539	20.53392	0.0413987	0.17002406	3.2269765	20	4 24.5	18.7
86254 1999 TV_{188}	14.6	X	254.60921	353.83854	338.98274	12.20462	0.1449393	0.17143336	3.2092668	20	4 10.2	19.7
86255 1999 TC_{189}	14.5	X	356.56141	7.36049	329.01363	11.42634	0.1493733	0.18481373	3.0524360	20	9 19.4	18.0
86256 1999 TQ_{190}	14.2	X	282.83085	11.55555	329.38026	13.17789	0.0986980	0.17580413	3.1558523	20	6 1.7	18.8
86257 1999 TK_{207}	15.0	X	97.24529	261.47824	281.48380	18.65633	0.0839061	0.36932571	1.9239614	20	7 29.5	17.3
86258 1999 TK_{208}	14.7	X	323.82898	0.75141	336.09647	13.71347	0.0672873	0.17919554	3.1159077	20	8 3.4	18.8
86259 1999 TC_{229}	14.4	X	299.28634	172.39989	239.46744	8.99073	0.0958100	0.18931291	3.0038799	20	9 26.1	18.4
86260 1999 TT_{232}	14.4	X	331.84541	133.56344	163.73249	17.04475	0.2209398	0.17920477	3.1158007	20	6 8.1	18.2
86261 1999 TS_{233}	14.1	X	129.45919	271.35243	270.66499	8.66748	0.0607535	0.18339933	3.0681098	20	8 19.9	18.7
86262 1999 TE_{237}	14.6	X	322.40781	221.87152	131.74522	6.11290	0.1799438	0.18148862	3.0896061	20	8 11.1	17.8
86263 1999 TP_{244}	15.9	X	233.71691	181.09048	231.16920	19.54027	0.0871366	0.36497560	1.9392189	20	7 9.9	18.5
86264 1999 TK_{249}	14.2	X	308.00447	318.59580	325.20227	9.19061	0.1992194	0.17646460	3.1479729	20	4 6.0	18.5
86265 1999 TT_{249}	14.2	X	124.22370	271.70477	216.93225	9.81654	0.1093144	0.17273684	3.1931016	20	6 15.6	19.1
86266 1999 TX_{255}	15.5	X	19.48775	107.82597	181.29766	9.28643	0.1374479	0.18606416	3.0387448	20	8 27.6	19.3
86267 1999 TM_{256}	15.1	X	304.35411	163.59573	167.47587	0.28880	0.1818550	0.18025624	3.1036722	20	6 8.5	19.1
86268 1999 TK_{269}	14.6	X	193.55499	119.60718	306.24379	8.17158	0.0666384	0.17428211	3.1741992	20	6 9.7	19.5
86269 1999 TC_{272}	13.8	X	322.87909	244.07653	9.24928	22.47181	0.0984626	0.17040507	3.2221645	20	4 5.4	18.0
86270 1999 TZ_{279}	14.4	X	258.60339	200.81515	95.00248	2.72117	0.1322792	0.17002641	3.2269467	20	3 9.1	19.3
86271 1999 TR_{280}	14.9	X	105.36636	305.67951	131.36307	4.14273	0.1646017	0.21282175	2.7783825	20	3 29.4	18.8
86272 1999 TD_{286}	14.0	X	190.78422	113.47462	253.31791	8.91606	0.0328435	0.16890918	3.2411606	20	3 23.1	18.9
86273 1999 TX_{292}	14.0	X	242.81836	344.12905	353.41413	8.75009	0.1005217	0.16942439	3.2345864	20	4 10.8	19.0
86274 1999 TK_{310}	15.1	X	288.18532	263.17497	134.21673	1.70606	0.1664129	0.18398900	3.0615508	20	8 14.2	19.0
86275 1999 TA_{320}	14.3	X	140.67769	56.45572	311.62506	6.80473	0.0650149	0.16052251	3.3530916	20	2 5.7	19.2
86276 1999 TA_{323}	14.7	X	329.04985	161.74509	181.05178	11.65781	0.0880180	0.18213627	3.0822777	20	8 12.5	18.7
86277 1999 TS_{323}	13.9	X	307.97219	19.72467	288.40804	13.86267	0.2157163	0.17694414	3.1422827	20	5 5.4	18.2
86278 1999 UN	15.3	X	349.52365	289.75374	19.59626	7.68039	0.3266850	0.18427929	3.0583348	20	8 9.4	17.5
86279 Brucegary	15.6	X	341.69390	263.56595	21.90029	21.84095	0.0679881	0.36699068	1.9321137	20	6 27.1	17.8
86280 1999 UQ_{9}	15.3	X	92.13066	4.43798	281.53304	24.08163	0.0755682	0.38235531	1.8800005	20	—	—
86281 1999 UZ_{10}	12.8	X	203.59707	128.27063	294.45379	20.59077	0.0284746	0.17278255	3.1925384	20	6 21.2	17.5
86282 1999 UU_{15}	14.7	X	28.51176	163.33161	190.40594	8.70193	0.0979038	0.19060213	2.9903192	20	11 30.7	18.8
86283 1999 UP_{24}	14.2	X	248.68640	133.81052	248.35585	8.09218	0.1401154	0.17531472	3.1617229	20	6 8.9	19.0
86284 1999 UA_{28}	15.5	X	108.66756	61.78831	202.16680	6.35454	0.1431053	0.28989006	2.2610691	20	12 3.3	18.9
86285 1999 UR_{39}	14.0	X	353.12353	227.15715	30.92753	9.71528	0.0382523	0.17490114	3.1667051	20	5 30.4	18.4
86286 1999 UQ_{43}	14.7	X	203.45714	131.97106	280.59914	15.09917	0.1727156	0.17196350	3.2026676	20	5 30.3	20.1
86287 1999 UX_{44}	13.7	X	214.14616	116.21464	282.23040	9.45480	0.1926447	0.17321473	3.1872258	20	5 20.9	19.1
86288 1999 UC_{45}	13.1	X	323.01777	28.12020	306.41376	13.96075	0.1779440	0.18189869	3.0849609	20	7 17.6	16.6
86289 1999 US_{46}	14.6	X	304.17625	251.82719	132.46326	10.01993	0.1542499	0.18309045	3.0715594	20	8 24.9	18.3
86290 1999 UH_{47}	14.7	X	236.00371	0.34384	0.73545	4.72918	0.1642529	0.17134414	3.2103807	20	4 27.7	19.8
86291 1999 UZ_{49}	14.2	X	17.21504	259.21733	46.95664	17.46217	0.0953241	0.18289972	3.0736944	20	9 22.1	18.4
86292 1999 VY_{11}	14.1	X	326.62465	86.56785	281.53258	9.11527	0.3690640	0.18474468	3.0531965	20	8 15.5	16.5
86293 1999 VX_{12}	13.4	X	237.26841	25.47919	335.00218	19.58777	0.0659483	0.17101370	3.2145149	20	4 29.3	18.6
86294 1999 VM_{13}	15.7	X	143.45319	155.87096	242.65793	19.32652	0.0905921	0.35525027	1.9744513	20	2 16.8	18.6
86295 1999 VZ_{14}	15.0	X	297.31860	338.06821	357.13987	8.73274	0.0633719	0.17912747	3.1166971	20	6 21.0	19.3
86296 1999 VA_{21}	15.8	X	15.25967	63.59481	236.12465	20.10016	0.0597407	0.37112727	1.9177300	20	9 19.8	18.0
86297 1999 VP_{21}	13.2	X	218.11503	356.25176	47.79271	18.67255	0.1202587	0.17243193	3.1968647	20	6 3.1	18.3
86298 1999 VO_{22}	14.0	X	246.88354	12.85675	8.61329	8.40727	0.2233014	0.17515707	3.1636197	20	5 26.5	19.2
86299 1999 VB_{26}	15.6	X	358.83277	213.82710	238.42273	23.90018	0.1448963	0.29110394	2.2547791	20	—	—
86300 1999 VU_{33}	14.7	X	318.30291	200.57763	227.88831	4.81559	0.1250169	0.18747159	3.0235169	20	11 18.4	18.0
86301 1999 VL_{43}	15.1	X	269.58612	357.01178	5.26703	2.46646	0.2019659	0.17735392	3.1374406	20	5 30.1	19.8
86302 1999 VJ_{46}	15.8	X	51.73851	124.63281	38.12028	21.41236	0.0724102	0.35700289	1.9679840	20	4 16.7	17.3
86303 1999 VL_{58}	14.4	X	277.17562	312.53552	55.01908	1.79716	0.1764236	0.17587979	3.1549472	20	6 18.8	18.9
86304 1999 VC_{60}	14.7	X	332.35203	260.52290	86.13189	0.25532	0.1995923	0.18245006	3.0787426	20	8 20.0	17.6
86305 1999 VN_{66}	14.5	X	248.01068	154.99778	207.57796	3.71414	0.1661045	0.17216136	3.2002134	20	5 12.7	19.3
86306 1999 VQ_{67}	13.6	X	34.78900	173.71240	56.55364	11.70786	0.0569870	0.17210853	3.2008681	20	6 24.6	18.0
86307 1999 VL_{78}	14.3	X	341.07640	61.05998	226.10450	13.81344	0.1662508	0.17783922	3.1317303	20	6 14.7	17.9
86308 1999 VN_{85}	14.0	X	288.27959	249.17105	73.39184	27.32582	0.2413849	0.17588994	3.1548257	20	5 6.9	18.7
86309 1999 VA_{90}	16.8	X	321.19353	188.57434	200.52799	1.73230	0.1920270	0.28237651	2.3010021	20	10 27.7	18.3
86310 1999 VK_{96}	15.1	X	263.36174	198.93929	165.82820	0.61559	0.0943365	0.17493502	3.1662962	20	6 10.0	19.4
86311 1999 VE_{126}	15.0	X	282.10238	204.54789	57.40279	1.35630	0.0822167	0.16695379	3.2664187	20	2 29.4	19.7
86312 1999 VC_{146}	14.6	X	341.69197	204.42715	107.88709	1.94338	0.1518860	0.18028098	3.1033882	20	7 23.1	17.9
86313 1999 VL_{159}	14.2	X	230.54003	144.59384	236.54569	6.28349	0.1534239	0.17271256	3.1934008	20	5 18.8	19.3
86314 1999 VX_{161}	14.5	X	245.27484	97.11901	272.61653	3.55851	0.1988247	0.17282979	3.1919567	20	5 14.4	19.5
86315 1999 VU_{177}	14.9	X	8.24499	119.45791	207.03559	16.56339	0.2489712	0.18958214	3.0010352	20	10 14.3	18.0
86316 1999 VS_{179}	15.1	X	331.59496	230.52096	145.61654	11.90246	0.1391735	0.18409345	3.0603927	20	10 5.5	18.7
86317 1999 VH_{192}	13.9	X	6.48599	313.95229	329.80977	8.62553	0.2453824	0.18135340	3.0911417	20	8 8.9	16.9
86318 1999 VS_{192}	14.4	X	278.10451	101.97030	218.96090	24.50995	0.2725635	0.17586226	3.1551568	20	4 8.2	19.4
86319 1999 VF_{199}	14.5	X	272.78756	222.91353	158.38193	11.32155	0.1125563	0.17576989	3.1562621	20	7 9.6	19.1
86320 1999 VT_{199}	14.3	X	229.91126	280.43196	101.41219	14.56815	0.1527363	0.17209412	3.2010469	20	5 22.7	19.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
86321 1999 VS_{202}	15.5	X	16.78462	4.32702	229.10428	20.14970	0.0382754	0.36757093	1.9300799	20	6 2.8	17.1
86322 1999 VJ_{216}	14.7	X	26.39215	37.09447	308.03162	6.79238	0.0729539	0.18935318	3.0034540	20	11 10.2	18.8
86323 1999 VJ_{219}	14.5	X	312.58813	9.08675	318.12085	4.39121	0.1495862	0.17653195	3.1471722	20	6 21.3	18.3
86324 1999 WA_{2}	15.7	X	209.03471	75.29473	293.67581	34.60754	0.4344969	0.35743441	1.9663998	20	3 9.9	20.5
86325 1999 WC_{6}	14.2	X	309.23535	205.66422	155.03185	2.64079	0.2000661	0.18002033	3.1063831	20	7 23.8	17.8
86326 1999 WK_{13}	17.3	X	80.43922	312.57597	78.46234	34.31112	0.3625109	0.39347015	1.8444272	20	—	—
86327 1999 WM_{13}	14.5	X	227.95100	193.06218	226.80082	4.78486	0.2046791	0.17225159	3.1990957	20	6 27.9	19.8
86328 1999 XX_{3}	14.7	X	262.53485	261.31956	97.82984	7.76783	0.1721772	0.17318439	3.1875980	20	5 24.0	19.4
86329 1999 XZ_{7}	16.0	X	202.43662	26.00483	336.51366	18.27218	0.0831782	0.35433933	1.9778339	20	3 14.9	18.5
86330 1999 XR_{14}	16.1	X	262.98796	184.96824	239.35523	20.48817	0.0506634	0.37568806	1.9021779	20	9 22.9	18.4
86331 1999 XY_{19}	13.8	X	94.86949	96.58116	37.89115	22.85606	0.0872519	0.16901381	3.2398228	20	5 13.7	18.5
86332 1999 XG_{21}	14.4	X	298.94070	273.47299	66.71795	10.96615	0.1271847	0.17668281	3.1453805	20	6 20.1	18.5
86333 1999 XA_{26}	14.9	X	355.52336	216.15769	161.55442	4.22144	0.2005583	0.18743471	3.0239135	20	11 23.1	18.2
86334 1999 XO_{27}	14.2	X	266.60201	268.87427	103.99942	2.35162	0.2221025	0.17545668	3.1600172	20	6 6.9	18.9
86335 1999 XP_{29}	14.3	X	286.46250	121.98451	231.65253	10.83719	0.2338663	0.17575447	3.1564467	20	6 4.5	18.7
86336 1999 XD_{32}	15.3	X	313.24754	234.75319	256.32927	4.11129	0.0756300	0.28444429	2.2898370	20	—	—
86337 1999 XP_{32}	15.7	X	182.54502	118.73199	279.96072	4.38748	0.1460101	0.30605703	2.1807262	20	4 19.4	19.0
86338 1999 XK_{34}	15.9	X	82.97448	195.92783	231.35809	2.16389	0.1291579	0.29469541	2.2364222	20	1 24.9	17.9
86339 1999 XV_{40}	13.6	X	243.64886	134.24429	239.38851	21.04548	0.1280981	0.17248985	3.1961490	20	5 25.3	18.4
86340 1999 XQ_{49}	17.0	X	113.35535	45.06774	28.73852	1.71558	0.1201211	0.30456177	2.1878580	20	3 19.5	19.5
86341 1999 XH_{54}	14.9	X	211.62463	289.67348	123.96447	2.18129	0.1743462	0.17067630	3.2187500	20	6 8.3	20.2
86342 1999 XP_{54}	16.3	X	213.33717	354.91080	88.73471	4.02246	0.1466704	0.27027609	2.3691777	20	7 23.5	19.7
86343 1999 XZ_{56}	14.2	X	164.78867	282.11351	123.13410	1.67104	0.2142367	0.16415472	3.3034454	20	4 21.3	19.7
86344 1999 XA_{67}	16.0	X	250.07847	73.38737	87.64112	4.89752	0.1645831	0.28323003	2.2963770	20	12 25.1	18.3
86345 1999 XE_{84}	16.3	X	136.79720	312.59775	105.26582	5.39419	0.1180397	0.30350669	2.1929255	20	3 29.6	19.2
86346 1999 XO_{84}	15.4	X	114.20822	352.37276	105.17159	4.21800	0.0664554	0.30452095	2.1880535	20	4 17.2	17.9
86347 1999 XU_{89}	16.0	X	312.91173	266.70751	246.63335	3.06820	0.0884341	0.28912175	2.2650730	20	—	—
86348 1999 XF_{102}	14.1	X	234.27555	135.19820	286.80052	3.31177	0.1641251	0.17189161	3.2035605	20	7 10.5	18.9
86349 1999 XO_{102}	16.3	X	37.03204	187.36518	290.09762	2.49683	0.1141595	0.29657688	2.2269537	20	1 13.3	17.9
86350 1999 XW_{102}	15.9	X	17.58403	64.67679	75.98117	5.66876	0.0973948	0.29629092	2.2283864	20	1 13.7	17.9
86351 1999 XS_{105}	15.2	X	334.94075	251.20285	227.78696	5.37610	0.1626211	0.28748453	2.2736646	20	—	—
86352 1999 XR_{111}	16.9	X	17.86626	102.17664	7.51944	0.93291	0.1478250	0.29496006	2.2350843	20	—	—
86353 1999 XX_{113}	14.7	X	261.78754	79.63431	294.04564	13.61360	0.3029399	0.17591115	3.1545722	20	5 22.9	19.9
86354 1999 XB_{116}	14.6	X	343.64047	26.04077	355.74167	9.60452	0.1207411	0.18726826	3.0257051	20	10 27.2	18.4
86355 1999 XF_{116}	16.0	X	139.74205	132.39317	307.62525	4.44591	0.1580391	0.30966580	2.1637507	20	5 1.5	19.0
86356 1999 XR_{122}	14.2	X	304.56509	88.57215	276.49889	7.04930	0.1677739	0.17946326	3.1128081	20	7 25.6	18.0
86357 1999 XF_{123}	14.1	X	334.78067	40.68741	308.94694	6.89367	0.2233636	0.18258350	3.0772423	20	8 26.5	17.2
86358 1999 XB_{143}	13.3	X	173.14647	21.05608	65.51191	12.93411	0.3194708	0.16953814	3.2331395	20	6 14.4	19.2
86359 1999 XQ_{143}	15.6	X	127.15987	287.59076	269.84933	19.05111	0.0510738	0.36928079	1.9241174	20	9 22.8	18.4
86360 1999 XR_{162}	13.6	X	289.52332	67.41151	253.99535	23.95649	0.2139336	0.17677592	3.1442758	20	4 28.5	18.3
86361 1999 XE_{178}	13.9	X	258.32799	82.47517	314.17796	11.71611	0.2707312	0.17255690	3.1953210	20	6 22.6	19.0
86362 1999 XS_{178}	15.7	X	352.59953	65.75097	83.35531	6.37450	0.0969842	0.29312604	2.2443975	20	—	—
86363 1999 XT_{179}	16.1	X	2.64770	187.00801	74.70187	7.39386	0.0911839	0.31036225	2.1605125	20	6 25.9	17.9
86364 1999 XC_{194}	13.5	X	171.29363	148.52271	30.00755	6.80448	0.0839145	0.17834387	3.1258197	20	10 4.5	18.3
86365 1999 XH_{207}	16.4	X	185.79582	179.84702	320.03536	7.49242	0.1883355	0.26987698	2.3715129	20	9 3.0	20.2
86366 1999 XO_{213}	13.5	X	271.26480	244.02030	123.55104	8.66757	0.2536988	0.12599455	3.9406531	20	6 2.6	19.4
86367 1999 XY_{223}	14.5	X	160.14960	283.98763	102.94745	6.08798	0.2601879	0.15898480	3.3746777	20	3 31.9	20.4
86368 1999 XB_{225}	16.4	X	317.87634	315.05298	295.79391	3.51806	0.1799482	0.30112347	2.2044808	20	2 28.8	18.9
86369 1999 XK_{226}	15.8	X	276.67319	247.91160	296.42347	5.12454	0.0876780	0.28733472	2.2744548	20	—	—
86370 1999 XR_{228}	17.0	X	327.94773	119.19207	339.02798	1.27144	0.1467116	0.28474871	2.2882047	20	—	—
86371 1999 XZ_{234}	13.6	X	7.36932	8.96246	94.36029	11.12656	0.0305751	0.14995030	3.5089013	20	—	—
86372 1999 XA_{254}	15.9	X	260.04625	94.19073	121.26447	1.99888	0.0870817	0.19256339	2.9699803	20	—	—
86373 1999 YK	15.4	X	304.54720	265.42959	113.47024	27.55198	0.1839144	0.37161331	1.9160575	20	10 16.8	17.4
86374 1999 YD_{3}	15.7	X	251.72992	92.97970	333.10344	18.12637	0.0946813	0.36723322	1.9312629	20	9 2.6	17.3
86375 2000 AT_{2}	16.2	X	219.14165	8.81404	319.56425	4.18113	0.0160662	0.29996095	2.2101728	20	2 28.1	18.9
86376 2000 AX_{4}	15.9	X	39.26037	129.01180	309.29819	0.27910	0.1600468	0.29170320	2.2516899	20	—	—
86377 2000 AQ_{12}	12.3	X	300.50510	140.09022	275.99957	11.52583	0.0621762	0.08562904	5.0978690	20	9 17.9	19.1
86378 2000 AV_{18}	14.7	X	283.81831	352.88468	3.48435	3.67423	0.2476099	0.17522320	3.1628237	20	6 1.8	19.1
86379 2000 AY_{26}	15.8	X	100.70415	128.29274	297.31855	6.20994	0.1253999	0.29921446	2.2138473	20	2 17.6	18.2
86380 2000 AD_{40}	16.1	X	260.50901	15.89332	344.04092	3.27530	0.1466699	0.31201040	2.1528974	20	5 22.4	18.7
86381 2000 AM_{40}	16.0	X	209.58297	21.34206	17.50469	3.78526	0.0880417	0.30888161	2.1674114	20	5 21.7	18.7
86382 2000 AY_{41}	16.1	X	196.32933	339.88570	22.59262	4.37335	0.1120126	0.30206310	2.1999067	20	3 19.2	19.2
86383 2000 AJ_{42}	15.7	X	174.83191	167.41003	275.07469	18.07340	0.0807635	0.36229233	1.9487821	20	6 13.5	17.9
86384 2000 AS_{47}	15.9	X	4.00794	112.43047	318.95010	8.35767	0.0921084	0.28435134	2.2903360	20	—	—
86385 2000 AK_{51}	13.1	X	178.10459	195.57322	243.37597	20.40604	0.0232791	0.17303830	3.1893919	20	6 8.8	17.8
86386 2000 AN_{56}	16.0	X	248.22361	219.73760	310.61296	4.72462	0.1179216	0.28067512	2.3102914	20	—	—
86387 2000 AG_{60}	16.4	X	339.54803	326.27849	100.66319	1.06667	0.1952792	0.28222300	2.3018364	20	—	—
86388 2000 AT_{60}	16.0	X	133.33461	273.70968	110.35271	4.89915	0.1270248	0.29646649	2.2275065	20	2 7.9	18.8
86389 2000 AM_{67}	15.7	X	169.40129	295.49886	103.74602	4.83867	0.1497156	0.30364001	2.1922835	20	4 11.7	18.9
86390 2000 AW_{74}	16.7	X	294.37820	253.42124	221.32552	4.09066	0.1908426	0.28309780	2.2970920	20	—	—
86391 2000 AE_{87}	16.2	X	140.64750	148.13004	280.39318	5.12927	0.0851197	0.30352210	2.1928512	20	4 8.4	19.1
86392 2000 AH_{90}	16.7	X	274.54791	79.94132	129.69148	4.16263	0.1075794	0.28936578	2.2637994	20	—	—
86393 2000 AG_{112}	16.4	X	25.89504	223.55411	234.45307	2.45581	0.1207599	0.29231902	2.2485265	20	—	—
86394 2000 AH_{124}	16.2	X	65.31516	341.92687	144.73859	4.25493	0.0617209	0.29948317	2.2125229	20	3 15.3	18.3
86395 2000 AM_{124}	16.1	X	2.00282	196.09533	272.88422	5.15112	0.0706605	0.28870857	2.2672336	20	—	—
86396 2000 AB_{129}	16.0	X	354.32689	276.77682	261.62858	5.20642	0.0818236	0.29575003	2.2311025	20	1 29.2	18.4
86397 2000 AF_{138}	14.4	X	287.81877	243.88545	129.36957	6.63153	0.2340753	0.17995058	3.1071857	20	7 1.5	18.5
86398 2000 AV_{139}	14.2	X	258.88923	261.21825	131.97962	6.26898	0.1407152	0.17640695	3.1486587	20	7 4.1	18.8
86399 2000 AV_{140}	16.1	X	18.12673	283.35608	189.96625	5.62154	0.1199158	0.29160510	2.2521949	20	—	—
86400 2000 AE_{141}	15.6	X	9.96339	220.63013	242.27888	5.37684	0.0916823	0.28888227	2.2663247	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
86401 2000 AF_{143}	14.6	X	203.97401	316.64753	270.13425	5.40196	0.2922329	0.27639860	2.3340607	20	12 30.9	18.0
86402 2000 AB_{144}	15.0	X	239.20781	96.85883	310.85664	18.43979	0.1384590	0.36019351	1.9563451	20	7 11.9	17.2
86403 2000 AJ_{148}	13.6	X	206.30944	137.88790	260.83222	17.95901	0.1436451	0.17185429	3.2040243	20	5 16.9	18.9
86404 2000 AG_{150}	14.3	X	334.79759	170.54103	229.85420	11.22600	0.0878769	0.18240505	3.0792491	20	11 7.3	17.9
86405 2000 AN_{152}	16.0	X	290.93423	242.07671	126.64391	24.34067	0.0967250	0.36619063	1.9349269	20	8 10.6	17.2
86406 2000 AU_{152}	15.5	X	272.69448	278.80467	277.33084	20.95249	0.2558808	0.28484531	2.2876873	20	—	—
86407 2000 AK_{169}	14.5	X	228.16347	238.41848	165.82075	8.07550	0.1533324	0.17138865	3.2098249	20	6 14.2	19.6
86408 2000 AC_{185}	16.4	X	23.14483	329.62870	184.18966	6.15108	0.0906653	0.29712045	2.2242368	20	2 10.5	18.6
86409 2000 AK_{186}	14.4	X	275.78810	216.36079	142.11829	11.30820	0.2325742	0.17627577	3.1502207	20	5 31.1	19.1
86410 2000 AU_{192}	14.4	X	291.57160	245.19994	168.16010	15.22659	0.2656844	0.17891327	3.1191842	20	8 22.6	18.3
86411 2000 AQ_{201}	16.0	X	177.09603	293.71861	144.18162	24.22131	0.0816994	0.35751027	1.9661216	20	6 13.8	19.0
86412 2000 AW_{202}	15.6	X	270.78378	132.75558	99.50110	8.23784	0.1907711	0.28790698	2.2714399	20	—	—
86413 2000 AN_{203}	15.0	X	304.39721	228.97057	308.25322	21.36488	0.2421873	0.28454232	2.2893111	20	—	—
86414 2000 AK_{212}	15.8	X	156.52852	322.49201	321.12840	6.40865	0.1022295	0.28050503	2.3112253	20	—	—
86415 2000 AW_{221}	16.4	X	298.94499	176.44905	64.47588	2.29086	0.1140554	0.29723018	2.2236894	20	2 2.1	19.0
86416 2000 AP_{232}	15.6	X	279.51348	217.45631	312.84042	5.82144	0.0522320	0.28525753	2.2854829	20	—	—
86417 2000 AM_{242}	14.4	X	241.01790	245.84823	186.96016	13.38865	0.2680523	0.17210185	3.2009510	20	7 17.8	19.9
86418 2000 AE_{244}	14.2	X	229.68957	206.47466	207.09844	14.99012	0.2095965	0.17419499	3.1752574	20	6 20.9	19.6
86419 2000 AL_{245}	15.5	X	203.13628	247.95634	222.98042	19.16509	0.0668721	0.36794885	1.9287580	20	8 28.7	18.3
86420 2000 BT_{2}	15.4	X	296.55005	344.87713	354.61670	19.24084	0.0776170	0.36212385	1.9493865	20	7 7.6	17.7
86421 2000 BC_{3}	16.0	X	102.46958	342.82990	65.11854	2.27786	0.0971185	0.29440847	2.2378751	20	1 24.8	18.3
86422 2000 BX_{13}	16.0	X	136.91807	309.68125	325.24464	5.81773	0.0916647	0.27614182	2.3355075	20	—	—
86423 2000 BQ_{19}	16.4	X	238.68322	336.40272	301.54944	5.93660	0.1649549	0.29257940	2.2471922	20	1 12.2	19.6
86424 2000 BU_{20}	16.2	X	272.77065	112.66507	101.15455	1.30479	0.1556200	0.28828414	2.2694583	20	—	—
86425 2000 BQ_{22}	16.2	X	265.14480	73.12419	125.06276	2.69216	0.1286713	0.28472543	2.2883294	20	—	—
86426 2000 BP_{23}	14.3	X	358.62691	131.05564	26.35249	15.39201	0.0777099	0.24598412	2.5226945	20	1 23.9	17.6
86427 2000 BG_{25}	15.7	X	192.06112	320.94343	310.36598	6.96744	0.1031775	0.28705795	2.2759165	20	—	—
86428 2000 BQ_{27}	15.8	X	42.11560	9.28045	98.04448	1.70818	0.1260374	0.29318606	2.2440912	20	1 8.5	17.6
86429 2000 BJ_{29}	13.5	X	225.08357	55.26128	318.63131	16.09032	0.1457956	0.17184364	3.2041567	20	4 28.4	18.9
86430 2000 BV_{31}	15.6	X	301.98075	112.97620	317.12883	6.47924	0.0847373	0.27356793	2.3501338	20	11 17.1	18.1
86431 2000 BN_{50}	16.5	X	313.69228	193.61604	130.49912	2.70219	0.1629697	0.31305110	2.1481234	20	6 22.1	17.9
86432 2000 BW_{51}	16.6	X	341.24529	19.77555	56.21573	2.41266	0.1985818	0.28253357	2.3001492	20	—	—
86433 2000 CU_{2}	16.3	X	186.44613	99.26623	106.09742	1.28998	0.1462957	0.27399571	2.3476871	20	12 1.9	19.6
86434 2000 CX_{7}	16.0	X	136.32082	20.92674	28.16917	5.92859	0.1108593	0.29953336	2.2122757	20	3 15.5	18.8
86435 2000 CL_{9}	13.0	X	21.60758	11.06265	284.10633	7.04920	0.1194529	0.12342944	3.9950621	20	8 26.7	18.2
86436 2000 CU_{12}	17.0	X	269.92269	10.59707	174.37406	3.93789	0.1422861	0.28462340	2.2888763	20	—	—
86437 2000 CJ_{13}	16.4	X	294.29025	10.66793	248.74834	1.82477	0.1028262	0.29840773	2.2178355	20	2 21.2	18.9
86438 2000 CN_{16}	16.1	X	292.37144	330.65060	254.73139	3.62348	0.0830317	0.29357969	2.2420849	20	1 7.6	18.9
86439 2000 CW_{18}	15.4	X	307.24449	351.15264	296.62803	4.16429	0.2093399	0.30342748	2.1933071	20	3 31.3	18.0
86440 2000 CK_{21}	16.7	X	312.32478	327.28243	177.40982	6.36036	0.1276118	0.28552567	2.2840518	20	—	—
86441 2000 CR_{22}	16.4	X	305.13611	292.88093	164.53548	5.86742	0.1099759	0.27953122	2.3165899	20	—	—
86442 2000 CY_{24}	16.0	X	293.45560	293.52180	214.82972	3.06295	0.1041209	0.28321689	2.2964480	20	—	—
86443 2000 CG_{27}	15.9	X	330.13883	334.69109	177.83835	4.20898	0.0488668	0.28837869	2.2689622	20	—	—
86444 2000 CQ_{28}	15.5	X	312.74453	154.09493	303.61601	6.21866	0.0541662	0.27921681	2.3183287	20	—	—
86445 2000 CW_{28}	16.4	X	236.92580	302.84148	277.54317	2.13199	0.0803564	0.28361039	2.2943233	20	—	—
86446 2000 CS_{31}	15.6	X	170.57030	93.88656	272.99473	3.50032	0.1305668	0.29786082	2.2205495	20	2 25.2	18.7
86447 2000 CE_{32}	16.0	X	116.99148	30.97787	167.26603	5.04422	0.1588864	0.26408495	2.4060628	20	9 15.3	19.7
86448 2000 CU_{32}	16.6	X	237.66873	357.66421	212.07673	0.92691	0.1100260	0.28161556	2.3051452	20	—	—
86449 2000 CD_{33}	16.5	X	285.72178	18.34826	151.85648	5.58315	0.0943592	0.28364518	2.2941358	20	—	—
86450 2000 CK_{33}	18.2	X	220.32220	215.61074	124.86422	18.10828	0.4148291	1.03461209	0.9681687	20	—	—
86451 2000 CY_{34}	16.2	X	304.37029	355.21948	167.91945	5.16495	0.0905102	0.28719621	2.2751861	20	—	—
86452 2000 CQ_{35}	15.6	X	278.18907	340.29375	262.43454	5.37965	0.0711020	0.29299981	2.2450421	20	1 14.4	18.4
86453 2000 CH_{39}	15.9	X	75.90469	136.35813	291.71153	6.30307	0.0549558	0.29325266	2.2437514	20	1 6.1	18.1
86454 2000 CM_{40}	15.2	X	180.67360	108.76390	154.00978	22.72102	0.2691702	0.27427772	2.3460776	20	—	—
86455 2000 CF_{41}	15.4	X	176.06957	274.31377	345.50741	2.66772	0.2182889	0.27794596	2.3253900	20	—	—
86456 2000 CM_{41}	15.9	X	225.13277	129.39596	153.72127	7.48106	0.1248327	0.29237281	2.2482506	20	1 5.8	19.3
86457 2000 CC_{43}	16.0	X	168.45977	138.70758	244.46279	3.61271	0.1635101	0.30070674	2.2065170	20	3 17.1	19.3
86458 2000 CB_{47}	16.3	X	238.02444	59.24125	177.63159	6.34315	0.0656023	0.28639038	2.2794519	20	—	—
86459 2000 CS_{49}	15.8	X	282.96079	235.05686	253.44829	3.91786	0.0534240	0.27829991	2.3234179	20	—	—
86460 2000 CC_{52}	16.4	X	192.72881	207.47534	319.90764	2.82768	0.1492470	0.27056314	2.3675017	20	10 18.6	19.8
86461 2000 CN_{52}	16.1	X	238.57625	206.52983	291.87826	2.92241	0.2111112	0.27412058	2.3469741	20	10 25.4	19.2
86462 2000 CL_{56}	15.4	X	270.23840	177.70007	104.39642	5.20184	0.2080317	0.29405226	2.2396820	20	2 13.7	18.6
86463 2000 CV_{57}	15.8	X	180.21570	191.69074	320.75096	5.58093	0.0650393	0.26671417	2.3902243	20	9 20.3	19.0
86464 2000 CU_{62}	16.2	X	253.65480	270.47609	212.83264	4.29192	0.1936948	0.27413417	2.3468965	20	10 30.2	18.6
86465 2000 CU_{63}	16.2	X	257.90690	271.66726	217.51371	4.71522	0.1662433	0.27516717	2.3410192	20	11 19.7	18.5
86466 2000 CS_{66}	15.1	X	273.48334	253.12899	2.72494	7.15854	0.0753783	0.28950898	2.2630528	20	1 29.5	18.1
86467 2000 CB_{70}	15.2	X	205.75755	58.96501	190.36445	5.57947	0.1842709	0.28015461	2.3131521	20	—	—
86468 2000 CR_{70}	15.5	X	268.26795	265.51127	278.42757	3.98617	0.0904086	0.28197593	2.3031807	20	—	—
86469 2000 CV_{70}	15.5	X	18.12730	349.72102	277.57629	4.37530	0.1374913	0.30632024	2.1794768	20	8 10.3	17.2
86470 2000 CV_{76}	16.8	X	244.37382	137.22935	9.56758	2.63783	0.1467187	0.27527032	2.3404343	20	11 25.6	19.6
86471 2000 CX_{76}	15.8	X	293.86683	239.51662	357.87157	4.20634	0.1576583	0.29122659	2.2541459	20	1 17.5	18.8
86472 2000 CZ_{76}	15.9	X	208.72706	126.22553	343.66835	9.16102	0.1373978	0.26536751	2.3983039	20	8 24.2	19.3
86473 2000 CF_{79}	16.8	X	331.24887	206.21633	154.07088	2.97348	0.1774892	0.26963509	2.3729310	20	9 29.9	18.4
86474 2000 CT_{79}	15.1	X	125.05542	345.34966	163.80679	4.06287	0.0375168	0.20980362	2.8049646	20	7 6.5	19.1
86475 2000 CJ_{80}	15.9	X	287.60046	242.08356	121.63995	3.71529	0.1640034	0.31288505	2.1488834	20	7 6.7	17.9
86476 2000 CT_{82}	16.4	X	264.20046	343.82715	128.28321	1.64852	0.1356192	0.27494035	2.3423065	20	11 10.7	18.7
86477 2000 CU_{85}	16.2	X	263.37109	47.21823	133.58867	5.47421	0.1274061	0.28151251	2.3057077	20	—	—
86478 2000 CL_{87}	15.1	X	342.21950	85.01981	0.41474	7.14064	0.0721091	0.28101605	2.3084225	20	—	—
86479 2000 CG_{90}	16.1	X	59.67989	245.53084	147.24378	1.97017	0.1223960	0.28643189	2.2792317	20	—	—
86480 2000 CT_{97}	16.1	X	153.00327	217.33203	138.13234	5.69597	0.1174769	0.29328589	2.2435819	20	1 22.5	18.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
86481 2000 CX_{102}	16.8	X	187.30753	251.10510	308.02039	1.46638	0.1517770	0.27381164	2.3487391	20	11 23.8	20.2
86482 2000 CJ_{104}	16.3	X	47.36357	75.09699	8.58324	8.04849	0.1226972	0.29338548	2.2430742	20	—	—
86483 2000 CT_{111}	16.1	X	337.72787	320.24058	86.00947	3.34620	0.2002165	0.27778445	2.3262913	20	—	—
86484 2000 CD_{120}	16.2	X	341.12485	246.85496	265.41684	4.20013	0.1269530	0.24037993	2.5617530	20	—	—
86485 2000 CF_{126}	16.6	X	33.74296	204.30399	67.64062	3.90202	0.0833541	0.31132536	2.1560544	20	9 11.1	18.7
86486 2000 CE_{135}	17.3	X	158.53852	130.87761	140.98315	6.19058	0.2133477	0.27856165	2.3219623	20	—	—
86487 2000 CQ_{144}	16.0	X	285.91788	333.56313	322.62399	2.57152	0.0761199	0.30317949	2.1945030	20	4 5.2	18.5
86488 2000 DQ_{5}	16.2	X	168.19075	48.35483	189.42509	1.99147	0.1657296	0.27398243	2.3477629	20	12 22.4	19.7
86489 2000 DU_{9}	16.1	X	169.68510	41.71639	329.59517	1.33443	0.1746580	0.29821866	2.2187729	20	3 5.4	19.3
86490 2000 DA_{15}	15.9	X	240.75015	358.62870	147.93224	3.82559	0.1416064	0.27400753	2.3476196	20	11 22.2	18.6
86491 2000 DL_{15}	14.5	X	7.25844	50.32709	76.60709	2.57017	0.0738563	0.19070749	2.9892177	20	1 3.9	18.2
86492 2000 DN_{15}	15.8	X	234.29507	55.26892	137.93191	7.14069	0.0654865	0.27807226	2.3246858	20	—	—
86493 2000 DD_{17}	16.2	X	45.26899	344.31221	307.87178	3.01998	0.1506543	0.31402139	2.1436962	20	11 5.1	18.8
86494 2000 DT_{19}	16.2	X	123.09347	229.30330	342.79034	4.62968	0.1793396	0.26651057	2.3914414	20	10 8.3	19.9
86495 2000 DT_{21}	16.2	X	331.45553	71.75425	211.43401	2.93416	0.1740544	0.30412793	2.1899381	20	5 19.3	17.8
86496 2000 DC_{29}	16.1	X	309.81959	321.61576	147.02214	4.77733	0.0968101	0.28027639	2.3124821	20	—	—
86497 2000 DO_{29}	17.0	X	8.20756	207.70518	41.10259	1.49776	0.1746417	0.30327325	2.1940507	20	6 20.8	18.1
86498 2000 DQ_{29}	15.7	X	106.22085	330.71839	347.25678	6.69680	0.1379634	0.27937049	2.3174784	20	—	—
86499 2000 DZ_{30}	16.1	X	210.30527	323.92553	285.62688	2.39991	0.1250035	0.28251170	2.3002679	20	—	—
86500 2000 DR_{32}	16.1	X	197.85963	171.46838	158.42525	7.01780	0.1395768	0.29367235	2.2416132	20	2 6.9	19.5
86501 2000 DR_{35}	15.0	X	282.80644	334.46696	329.12867	5.67841	0.0436828	0.20405996	2.8573549	20	4 21.2	18.9
86502 2000 DO_{38}	16.2	X	305.85303	307.31899	163.43378	4.42811	0.0150227	0.27869334	2.3212308	20	—	—
86503 2000 DQ_{39}	14.7	X	204.57971	338.53806	324.88923	9.65378	0.0434007	0.19295901	2.9659194	20	1 25.5	19.0
86504 2000 DG_{41}	16.4	X	158.49530	71.52707	158.27420	7.59326	0.0593473	0.27372342	2.3492437	20	12 10.6	19.7
86505 2000 DS_{42}	16.2	X	190.26777	230.40789	143.64487	5.37006	0.1714158	0.30026557	2.2086777	20	3 30.1	19.6
86506 2000 DR_{43}	16.3	X	175.97326	250.27441	145.37012	3.88884	0.1500573	0.30138381	2.2032111	20	4 12.7	19.5
86507 2000 DQ_{44}	16.7	X	121.87012	43.86042	279.68607	1.10506	0.1268771	0.28158107	2.3053334	20	—	—
86508 2000 DU_{44}	16.0	X	139.82788	110.56132	171.50871	2.00767	0.2725857	0.27504361	2.3417202	20	—	—
86509 2000 DJ_{47}	16.6	X	223.17727	343.33960	166.04758	1.87396	0.1640071	0.27282227	2.3544140	20	10 29.6	19.5
86510 2000 DE_{53}	16.5	X	104.88487	49.31752	191.11936	2.81710	0.1500365	0.26617117	2.3934740	20	10 27.3	20.2
86511 2000 DB_{54}	16.2	X	312.96955	343.73931	316.60525	3.69458	0.2105428	0.30217372	2.1993698	20	4 30.0	18.4
86512 2000 DN_{58}	16.4	X	290.63287	346.01406	234.39595	1.44387	0.1364738	0.28869718	2.2672932	20	—	—
86513 2000 DU_{61}	16.2	X	158.35605	57.11155	154.21494	4.84739	0.1225726	0.26996568	2.3709934	20	11 13.1	19.8
86514 2000 DW_{63}	15.5	X	190.52985	11.81057	311.41365	3.90522	0.1646194	0.28952244	2.2629827	20	1 24.9	18.8
86515 2000 DY_{64}	16.3	X	208.29193	117.03574	168.01151	6.83140	0.1521267	0.28563985	2.2834430	20	—	—
86516 2000 DT_{67}	15.8	X	79.59264	143.28885	187.76267	6.16538	0.1353472	0.27613736	2.3355326	20	—	—
86517 2000 DC_{68}	16.1	X	314.96875	66.63436	152.62570	5.41214	0.1220371	0.29190908	2.2506311	20	1 22.9	18.6
86518 2000 DL_{68}	15.9	X	53.82861	337.02149	165.89113	3.95758	0.0079780	0.24777407	2.5105304	20	3 20.3	19.1
86519 2000 DM_{68}	14.7	X	130.61262	335.80720	344.59512	15.51704	0.1544878	0.23189407	2.6238739	20	—	—
86520 2000 DH_{69}	15.2	X	169.03020	241.88008	339.87297	6.52337	0.0707192	0.27285908	2.3542023	20	12 9.7	18.5
86521 2000 DP_{69}	16.3	X	134.09233	61.25297	176.19412	2.38343	0.1766168	0.26865030	2.3787264	20	11 20.6	20.0
86522 2000 DA_{73}	16.1	X	177.65355	181.22189	349.10903	3.09914	0.1460440	0.26788792	2.3832374	20	10 7.4	19.8
86523 2000 DC_{74}	16.1	X	313.80830	28.92763	170.60926	5.97875	0.1448739	0.28888515	2.2663096	20	—	—
86524 2000 DK_{74}	16.2	X	141.24776	310.05225	284.42969	1.60304	0.1609820	0.26913185	2.3758881	20	11 22.6	19.9
86525 2000 DD_{76}	16.3	X	173.35859	64.98968	162.08014	5.02134	0.1455441	0.27323536	2.3520404	20	12 15.9	19.9
86526 2000 DG_{76}	15.4	X	74.30223	18.04068	341.84411	6.59477	0.1299494	0.28016386	2.3131012	20	—	—
86527 2000 DH_{76}	16.1	X	194.27544	170.71184	296.25230	0.76310	0.1240002	0.26310604	2.4120270	20	8 3.9	19.6
86528 2000 DC_{78}	16.4	X	32.19248	248.22184	338.56668	3.82767	0.0564497	0.30364593	2.1922550	20	6 20.7	18.5
86529 2000 DN_{79}	15.5	X	261.73066	1.61192	356.75387	5.22693	0.1695674	0.30948861	2.1645765	20	5 17.7	18.4
86530 2000 DA_{80}	14.7	X	66.94966	62.44904	339.75840	11.00746	0.0447916	0.19085028	2.9877266	20	—	—
86531 2000 DU_{81}	15.7	X	222.45382	93.37711	114.37009	6.84444	0.0520099	0.28080496	2.3095792	20	—	—
86532 2000 DO_{86}	15.3	X	68.21199	52.42863	34.38668	6.36943	0.1380200	0.29410613	2.2394085	20	2 1.5	17.3
86533 2000 DQ_{98}	15.5	X	150.57862	160.51678	126.44888	8.65370	0.2200052	0.27842976	2.3226955	20	—	—
86534 2000 DT_{98}	16.1	X	0.51007	260.68426	29.79194	5.72875	0.2386409	0.30780294	2.1724721	20	9 1.9	17.2
86535 2000 DK_{99}	15.9	X	321.04433	57.62908	358.71506	3.98471	0.1459265	0.27529454	2.3402971	20	12 5.2	18.0
86536 2000 DN_{100}	15.5	X	185.70471	274.58612	99.96865	4.44259	0.1651398	0.29938356	2.2130136	20	3 26.9	18.8
86537 2000 DQ_{102}	15.5	X	100.18989	256.45421	108.89457	5.69110	0.1125046	0.28520041	2.2857880	20	—	—
86538 2000 DR_{102}	16.1	X	320.01239	32.45638	56.37350	4.24278	0.0736166	0.27797684	2.3252178	20	—	—
86539 2000 DQ_{103}	15.8	X	32.07733	340.38787	80.94470	5.01934	0.1052387	0.28429170	2.2906563	20	—	—
86540 2000 DQ_{104}	16.1	X	41.09876	17.52482	49.49140	6.60042	0.0620306	0.28553018	2.2840277	20	—	—
86541 2000 DJ_{105}	16.1	X	113.27918	101.27064	108.98872	4.89321	0.0990614	0.26391908	2.4070707	20	9 25.4	19.6
86542 2000 DO_{105}	16.1	X	171.15168	164.03670	101.91403	5.21597	0.1270528	0.27809929	2.3245352	20	—	—
86543 2000 DR_{106}	15.8	X	284.00843	143.12363	120.38845	7.09865	0.1642229	0.29234697	2.2483831	20	2 8.3	18.9
86544 2000 DX_{106}	15.4	X	152.83809	274.52926	96.98093	6.82256	0.1984257	0.29317927	2.2441258	20	2 23.5	18.7
86545 2000 DC_{109}	17.2	X	35.32074	274.89586	351.83823	4.46961	0.0394495	0.31105673	2.1572956	20	8 27.3	19.5
86546 2000 DW_{111}	16.1	X	202.54801	77.08955	183.52402	3.99565	0.1306673	0.28208638	2.3025795	20	—	—
86547 2000 DS_{115}	16.9	X	140.02302	255.43595	333.37882	2.51375	0.0963675	0.27186188	2.3599556	20	11 15.1	20.4
86548 2000 DZ_{115}	16.2	X	224.76982	343.60600	228.92017	2.80789	0.0654079	0.27914218	2.3187419	20	—	—
86549 2000 EG	16.1	X	288.45009	277.48439	324.28894	2.81672	0.1455088	0.29067207	2.2570119	20	1 17.9	19.1
86550 2000 EA_{3}	16.4	X	143.54012	120.60207	160.19508	4.05137	0.1375535	0.27636150	2.3342697	20	—	—
86551 Seth	15.5	X	199.15503	84.38976	221.42449	3.65524	0.1710582	0.28462487	2.2888684	20	1 11.2	19.2
86552 2000 EY_{6}	16.5	X	232.07771	252.62161	18.51229	5.25467	0.1540721	0.28484878	2.2876688	20	—	—
86553 2000 ER_{8}	15.6	X	261.66560	153.07943	154.33608	7.48650	0.1650808	0.29838835	2.2179315	20	3 12.2	18.6
86554 2000 EH_{9}	16.2	X	262.18954	325.79422	318.71430	8.14490	0.2481511	0.29275726	2.2462820	20	2 5.3	19.7
86555 2000 EB_{12}	14.9	X	113.46095	199.69322	135.88595	25.67400	0.1677630	0.28235847	2.3011001	20	—	—
86556 2000 EN_{12}	16.0	X	300.34559	171.14518	103.12576	8.72813	0.1958539	0.29737115	2.2229865	20	3 12.1	18.8
86557 2000 EC_{16}	16.6	X	13.59817	187.95542	193.89132	1.89794	0.2166571	0.27708192	2.3302218	20	—	—
86558 2000 EQ_{16}	15.9	X	94.30793	210.38411	190.61244	4.85421	0.1259997	0.28937199	2.2637670	20	1 6.3	18.2
86559 2000 EZ_{18}	14.8	X	279.96249	252.78164	337.34918	22.95769	0.1248886	0.28689397	2.2767837	20	—	—
86560 2000 EQ_{19}	15.9	X	22.29342	50.13218	356.14641	7.06465	0.1096606	0.28160094	2.3052250	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
86561 2000 EM_{25}	16.8	X	34.85877	270.07144	3.74769	4.79046	0.1898138	0.25779042	2.4450713	20	9 22.6	19.5
86562 2000 EP_{25}	16.1	X	218.52221	88.73217	10.26834	1.96967	0.1553536	0.26433049	2.4045725	20	8 17.8	19.6
86563 2000 EP_{28}	15.7	X	44.80823	344.38182	73.16189	8.29497	0.2028533	0.28706613	2.2758733	20	—	—
86564 2000 EU_{28}	16.0	X	182.95486	52.17256	94.44689	12.29823	0.0947358	0.26658719	2.3909833	20	9 22.7	19.7
86565 2000 EW_{30}	15.6	X	146.33296	327.03032	76.44105	6.71471	0.1503104	0.29796728	2.2200206	20	3 25.8	18.7
86566 2000 EY_{31}	15.4	X	197.11617	250.91689	44.82061	2.75041	0.1855090	0.28691290	2.2766835	20	—	—
86567 2000 EB_{32}	16.8	X	48.62273	136.93606	119.65543	3.40959	0.1492370	0.30985488	2.1628703	20	9 21.5	19.1
86568 2000 EU_{32}	15.8	X	113.31812	163.51108	95.63299	3.48927	0.1776754	0.26917740	2.3756201	20	11 28.9	19.5
86569 2000 EN_{36}	14.2	X	21.08629	346.74910	62.24107	12.38590	0.1533220	0.18328974	3.0693325	20	—	—
86570 2000 EH_{38}	15.6	X	282.35676	251.40960	343.61838	5.59676	0.1337355	0.28791794	2.2713823	20	1 4.6	18.7
86571 2000 EU_{38}	15.7	X	238.17115	122.04543	323.86141	1.69095	0.1861218	0.26599658	2.3945211	20	8 18.2	19.1
86572 2000 ET_{39}	16.3	X	101.25052	198.61290	19.92840	4.39199	0.1417985	0.26145067	2.4221974	20	9 24.6	19.8
86573 2000 EB_{42}	16.7	X	102.77371	214.81016	327.33742	2.24433	0.1201895	0.25791343	2.4442938	20	8 5.6	20.1
86574 2000 EY_{42}	15.5	X	103.11610	274.16362	2.96664	2.45210	0.1565064	0.26822027	2.3812682	20	12 10.2	19.1
86575 2000 EF_{43}	16.4	X	228.95914	316.05320	171.44844	1.19061	0.1387151	0.26922147	2.3753608	20	10 9.9	19.3
86576 2000 EZ_{45}	16.4	X	150.64096	346.10887	213.82694	1.68553	0.1488408	0.26594578	2.3948261	20	10 19.2	19.9
86577 2000 EJ_{46}	15.6	X	166.44072	75.93669	187.23151	6.37504	0.0830682	0.27576838	2.3376155	20	—	—
86578 2000 EE_{48}	16.1	X	82.41926	185.88471	5.71888	5.53883	0.0774563	0.30422977	2.1894494	20	7 22.4	18.6
86579 2000 ER_{48}	16.6	X	191.03062	254.37532	338.09022	1.01073	0.1801305	0.27394763	2.3479618	20	—	—
86580 2000 EV_{48}	15.1	X	311.16740	261.47891	7.69576	5.42218	0.1318259	0.29502188	2.2347721	20	3 26.9	17.4
86581 2000 EW_{54}	15.8	X	281.99824	299.91754	52.30540	8.97126	0.2169393	0.30160242	2.2021463	20	5 29.4	18.4
86582 2000 ED_{56}	15.7	X	336.97311	234.83779	197.64945	4.55956	0.2094416	0.27995484	2.3142524	20	—	—
86583 2000 EJ_{57}	15.9	X	129.16714	198.77766	347.80123	5.35854	0.0875188	0.26257642	2.4152693	20	9 8.5	19.1
86584 2000 ES_{57}	15.4	X	324.91180	93.06964	330.28702	4.00905	0.1505014	0.27481530	2.3430170	20	12 25.0	17.5
86585 2000 EX_{57}	16.2	X	181.31589	29.12118	178.68323	22.93549	0.0671064	0.27205992	2.3588102	20	12 8.5	19.9
86586 2000 EQ_{58}	16.3	X	177.09060	331.38498	144.81417	2.82327	0.1528114	0.26050509	2.4280553	20	7 27.9	20.1
86587 2000 ES_{60}	16.4	X	53.05766	236.80704	345.47072	4.51834	0.0579113	0.30503126	2.1856124	20	7 20.3	18.6
86588 2000 EG_{61}	16.3	X	135.10100	8.42751	245.90850	1.56489	0.1641556	0.26987347	2.3715334	20	12 11.8	20.0
86589 2000 EP_{62}	16.5	X	146.42792	228.80141	72.93286	1.65880	0.2020027	0.27755287	2.3275851	20	—	—
86590 2000 EQ_{62}	16.3	X	141.81972	106.77536	123.91463	2.12032	0.1471798	0.26850225	2.3796008	20	11 19.4	19.9
86591 2000 EP_{63}	16.1	X	18.54116	88.45358	163.61078	5.76222	0.1561863	0.30273936	2.1966294	20	7 18.9	17.9
86592 2000 EW_{64}	16.6	X	338.33932	107.13423	187.87529	4.18554	0.1375824	0.30309813	2.1948956	20	6 29.4	18.3
86593 2000 EX_{64}	16.7	X	135.17196	76.60755	180.33126	4.69411	0.1492535	0.27027739	2.3691701	20	12 15.6	20.5
86594 2000 EH_{65}	15.9	X	201.24429	68.90855	186.90396	6.51860	0.1651399	0.27865298	2.3214549	20	—	—
86595 2000 EW_{65}	16.5	X	271.20531	122.96202	164.06149	0.92442	0.2078899	0.29184581	2.2509564	20	2 19.7	19.9
86596 2000 EO_{67}	15.9	X	272.86833	323.18733	185.74318	6.30773	0.0402197	0.27646096	2.3337098	20	—	—
86597 2000 EG_{68}	16.6	X	146.26454	160.66674	2.69980	1.34814	0.1469872	0.26201363	2.4187267	20	8 29.2	20.1
86598 2000 EQ_{69}	15.4	X	192.15837	243.62826	4.35857	7.67304	0.1821821	0.27595586	2.3365566	20	—	—
86599 2000 EM_{70}	16.3	X	134.16568	356.54902	203.36416	2.27486	0.0801173	0.26376297	2.4080204	20	10 1.3	19.6
86600 2000 EW_{74}	17.1	X	98.79894	271.70358	335.33212	0.42295	0.1327611	0.26438271	2.4042559	20	10 27.4	20.7
86601 2000 EU_{75}	15.6	X	301.82500	313.30397	50.84611	4.85420	0.1571767	0.31382054	2.1446107	20	8 9.6	17.2
86602 2000 EN_{76}	15.5	X	52.04524	279.74769	96.80472	7.32272	0.1236658	0.28100308	2.3084935	20	—	—
86603 2000 EX_{77}	16.4	X	261.59979	34.48412	123.67829	2.86835	0.1578843	0.27886436	2.3202817	20	—	—
86604 2000 EM_{78}	16.3	X	281.65177	25.47684	51.47487	3.16948	0.1912792	0.27342937	2.3509277	20	10 11.6	18.3
86605 2000 ES_{81}	15.7	X	63.11586	296.79691	64.05547	4.12373	0.0037448	0.22980582	2.6397453	20	—	—
86606 2000 EB_{84}	16.4	X	126.83411	169.54541	62.79941	3.06668	0.1780430	0.26748609	2.3856235	20	11 7.7	20.0
86607 2000 ET_{84}	15.9	X	303.84084	315.70955	258.05854	5.39775	0.1421009	0.29016480	2.2596416	20	—	—
86608 2000 EK_{85}	15.6	X	298.89809	110.50643	129.11439	8.59002	0.2797727	0.28936201	2.2638191	20	1 10.3	19.1
86609 2000 EP_{90}	15.9	X	144.93589	3.14849	225.91531	4.72629	0.1850786	0.26863593	2.3788112	20	11 19.3	19.6
86610 2000 EB_{92}	16.1	X	258.75783	40.82531	205.48276	6.11611	0.1387876	0.28599606	2.2815466	20	—	—
86611 2000 EE_{92}	15.5	X	223.01482	265.93520	327.27025	4.78585	0.1410810	0.27961986	2.3161003	20	—	—
86612 2000 EY_{97}	14.8	X	85.24002	218.29779	23.20112	21.17064	0.0407274	0.36260448	1.9476636	20	10 13.0	16.7
86613 2000 EW_{98}	16.0	X	294.82495	223.82504	190.50831	0.58576	0.2016232	0.27103915	2.3647289	20	9 29.7	17.7
86614 2000 EA_{103}	15.3	X	90.60671	283.78471	298.90006	5.57712	0.0768281	0.26108909	2.4244333	20	9 7.3	18.7
86615 2000 EJ_{109}	16.2	X	224.89834	14.46125	225.89485	4.08667	0.0956481	0.28336964	2.2956227	20	—	—
86616 2000 EP_{110}	16.1	X	206.84757	87.58629	73.03798	3.11649	0.1557765	0.27031150	2.3689707	20	10 26.6	19.5
86617 2000 EY_{113}	15.0	X	166.73243	125.33517	158.82803	5.24038	0.2051008	0.27542966	2.3395316	20	—	—
86618 2000 EX_{116}	16.8	X	158.04444	82.99598	14.55773	2.52075	0.1461421	0.25589486	2.4571311	20	6 14.5	20.6
86619 2000 EF_{120}	16.2	X	328.21943	154.69178	69.29180	5.78455	0.1115975	0.29560669	2.2318237	20	2 22.9	18.6
86620 2000 EY_{120}	15.8	X	357.68974	288.12880	130.85775	7.09487	0.0917904	0.28037214	2.3119555	20	—	—
86621 2000 EB_{121}	16.4	X	318.62073	137.27259	112.60779	4.97543	0.1903232	0.29653886	2.2271440	20	3 1.9	18.9
86622 2000 EV_{121}	15.7	X	112.21417	114.64850	101.21928	12.66302	0.1106894	0.26548177	2.3976157	20	10 7.1	19.4
86623 2000 EK_{122}	15.6	X	196.80708	65.17047	212.84231	3.16435	0.1962304	0.28283216	2.2985300	20	—	—
86624 2000 EA_{123}	15.4	X	238.82909	51.60504	158.00283	19.33614	0.1598178	0.27881799	2.3205389	20	—	—
86625 2000 EQ_{124}	16.1	X	132.70014	199.61300	49.62756	2.18455	0.1335961	0.27042049	2.3683342	20	12 3.5	19.7
86626 2000 EV_{124}	15.8	X	33.05928	143.69387	152.20257	7.34848	0.2649733	0.31023647	2.1610965	20	11 14.8	18.5
86627 2000 EJ_{126}	16.2	X	154.31500	96.65941	48.82288	2.90037	0.2057546	0.26230942	2.4169081	20	8 15.3	20.2
86628 2000 ED_{127}	15.4	X	239.75516	94.07372	65.65547	4.70036	0.0201832	0.22576031	2.6711871	20	12 13.3	19.0
86629 2000 EJ_{128}	15.9	X	148.32857	91.09498	122.19946	3.54112	0.1096460	0.26811496	2.3818917	20	11 5.4	19.5
86630 2000 EL_{132}	15.8	X	86.16361	312.61244	344.70715	3.87166	0.1626581	0.26952694	2.3735657	20	12 20.0	19.4
86631 2000 EM_{132}	16.1	X	179.11705	354.44627	185.38088	2.11330	0.1426923	0.26858008	2.3791410	20	10 22.5	19.6
86632 2000 ES_{132}	16.1	X	167.79204	113.59906	144.04743	3.58078	0.1637176	0.27502632	2.3418184	20	—	—
86633 2000 EY_{132}	16.0	X	100.70167	281.61142	350.76871	0.86235	0.1709948	0.26781094	2.3836940	20	12 2.9	19.7
86634 2000 ED_{133}	16.2	X	57.95617	59.56109	158.41352	2.02761	0.0785619	0.25633640	2.4543087	20	7 19.7	19.2
86635 2000 EE_{133}	15.9	X	154.33587	122.69243	170.46114	6.63311	0.2081916	0.27734952	2.3287227	20	—	—
86636 2000 ER_{133}	15.3	X	280.91791	160.56199	115.53505	7.61755	0.0926601	0.29318249	2.2441094	20	3 3.6	18.1
86637 2000 EO_{134}	15.6	X	75.08658	232.18096	80.56756	7.51428	0.1273993	0.26927778	2.3750297	20	12 25.4	19.1
86638 2000 EQ_{134}	15.8	X	121.67802	196.99152	53.57071	3.91349	0.1492439	0.26748700	2.3856181	20	11 24.4	19.5
86639 2000 EA_{135}	15.8	X	307.87211	351.92022	147.35705	6.95230	0.0482323	0.28024386	2.3126610	20	—	—
86640 2000 EN_{135}	15.8	X	109.25672	127.26318	100.33564	3.70984	0.0938199	0.26379814	2.4078064	20	10 12.7	19.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
86641 2000 EA_{136}	16.2	X	204.41248	108.92518	15.33516	5.46979	0.1749336	0.26636394	2.3923191	20	9 4.9	19.8
86642 2000 EH_{140}	15.9	X	281.74426	304.84104	233.35019	10.00814	0.1140310	0.28515343	2.2860391	20	—	—
86643 2000 ES_{141}	15.8	X	256.07222	18.17835	145.47238	5.63184	0.1243407	0.27735939	2.3286674	20	—	—
86644 2000 EB_{145}	15.4	X	16.59727	21.50382	287.67554	2.35672	0.1960581	0.30935783	2.1651865	20	10 25.8	17.5
86645 2000 ES_{145}	16.3	X	230.33203	126.65896	342.92166	2.10599	0.1816742	0.26882544	2.3776931	20	9 10.9	19.5
86646 2000 EG_{147}	15.8	X	140.26838	199.39829	10.31745	3.54263	0.1000911	0.26543573	2.3978930	20	10 21.0	19.2
86647 2000 EQ_{150}	16.2	X	272.97975	289.83390	172.37490	4.92084	0.1506392	0.27334494	2.3514118	20	11 9.5	18.4
86648 2000 EG_{152}	15.5	X	200.04680	3.96968	271.23183	6.51124	0.1033107	0.28356679	2.2945585	20	—	—
86649 2000 EM_{152}	15.7	X	244.13346	229.09328	287.30036	2.69482	0.0870392	0.27544150	2.3394645	20	12 18.7	18.2
86650 2000 EW_{153}	16.4	X	323.08080	172.07246	87.69167	5.29389	0.1604842	0.29668767	2.2263993	20	3 30.7	18.6
86651 2000 EC_{154}	16.0	X	302.83776	57.07043	76.11313	6.31848	0.0863056	0.27999052	2.3140558	20	—	—
86652 2000 EY_{158}	15.2	X	269.78498	284.34317	310.88650	6.63827	0.1678919	0.28581975	2.2824848	20	—	—
86653 2000 EY_{170}	15.9	X	102.70084	140.26554	102.51790	7.13789	0.0911750	0.26577649	2.3958429	20	10 26.7	19.4
86654 2000 ED_{172}	15.7	X	281.04971	48.54102	229.82649	6.19596	0.1881143	0.29189537	2.2507015	20	2 18.1	19.0
86655 2000 ET_{183}	16.3	X	141.27735	185.10476	28.79014	6.69456	0.0794480	0.26829624	2.3808187	20	10 28.2	19.4
86656 2000 EH_{184}	15.8	X	170.15243	288.69562	53.14275	8.36618	0.1715060	0.28919613	2.2646846	20	2 1.1	19.3
86657 2000 EG_{185}	16.1	X	177.84803	56.28396	121.77918	3.18909	0.1038719	0.26913062	2.3758953	20	10 22.9	19.4
86658 2000 EQ_{185}	15.9	X	282.02426	34.14189	64.84521	5.18990	0.0308153	0.27232518	2.3572783	20	12 1.5	18.6
86659 2000 ER_{185}	16.1	X	29.69499	50.85636	323.83880	3.58124	0.2401495	0.23319997	2.6140690	20	—	—
86660 2000 EH_{200}	15.6	X	291.24513	342.28126	271.83412	4.26705	0.1073999	0.29298424	2.2451217	20	2 9.4	18.6
86661 2000 FG_{3}	16.0	X	50.80692	173.07563	104.83560	5.00429	0.1555908	0.31078356	2.1585595	20	10 27.1	18.7
86662 2000 FA_{6}	15.8	X	280.99627	339.96594	14.86811	8.45857	0.2274031	0.25375957	2.4708958	20	5 28.9	19.2
86663 2000 FS_{6}	16.6	X	271.38478	54.72439	203.68393	3.48891	0.0990128	0.28866776	2.2674472	20	1 24.4	19.6
86664 2000 FS_{9}	16.2	X	355.49547	302.01175	27.21003	1.54658	0.1982055	0.26012606	2.4304134	20	10 4.5	18.1
86665 2000 FD_{10}	16.1	X	281.63346	240.44745	23.43610	4.57742	0.1155181	0.29067772	2.2569826	20	2 13.5	19.0
86666 2000 FL_{10}	16.9	X	190.11807	258.85629	186.93754	29.00763	0.4269497	0.55689321	1.4631475	20	6 27.3	20.1
86667 2000 FO_{10}	17.6	X	274.90758	172.45988	208.33882	14.28711	0.5945849	1.23711540	0.8594011	20	4 30.7	16.5
86668 2000 FZ_{10}	14.4	X	228.06112	253.21370	11.92677	16.98728	0.2208234	0.23252583	2.6191191	20	—	—
86669 2000 FV_{14}	15.5	X	41.56531	134.40572	19.17761	16.61869	0.1242173	0.24617059	2.5214204	20	3 29.5	18.1
86670 2000 FN_{15}	16.0	X	137.51730	118.65708	134.53722	5.42598	0.1617265	0.27159181	2.3615199	20	12 13.4	19.8
86671 2000 FA_{19}	15.6	X	281.05785	126.39439	148.27743	17.09922	0.1486860	0.24312100	2.5424616	20	2 27.1	19.2
86672 2000 FV_{19}	15.9	X	283.18454	356.36310	88.83976	7.29547	0.0819740	0.27078477	2.3662097	20	11 11.2	18.4
86673 2000 FB_{23}	15.6	X	291.58722	8.00664	80.40697	10.00544	0.1373206	0.27227489	2.3575685	20	11 25.1	17.8
86674 2000 FK_{23}	15.6	X	330.26050	356.32230	100.25804	11.34391	0.1593335	0.27892427	2.3199494	20	—	—
86675 2000 FP_{25}	15.9	X	221.68974	43.10861	71.48249	4.19064	0.1304106	0.26612326	2.3937612	20	9 16.4	19.2
86676 2000 FY_{28}	15.3	X	121.73323	92.33725	225.33896	6.67988	0.2306172	0.27422192	2.3463958	20	—	—
86677 2000 FA_{29}	16.0	X	237.91081	272.77819	309.27182	1.78114	0.1898077	0.27901686	2.3194361	20	—	—
86678 2000 FK_{29}	15.2	X	33.44820	313.69865	324.07586	1.73983	0.1810953	0.25730044	2.4481745	20	9 23.5	17.9
86679 2000 FR_{30}	16.1	X	167.89879	72.65548	95.92720	3.09841	0.1752124	0.26505488	2.4001894	20	9 26.7	20.0
86680 2000 FG_{31}	15.9	X	358.50508	116.59520	31.64617	13.14617	0.2641710	0.24191171	2.5509276	20	—	—
86681 2000 FK_{33}	15.7	X	64.95394	228.55088	35.71796	7.04249	0.1234900	0.26148916	2.4219598	20	10 11.9	18.8
86682 2000 FB_{35}	16.3	X	279.22289	103.76486	139.84059	2.90559	0.1860621	0.28718273	2.2752572	20	1 6.2	19.6
86683 2000 FF_{35}	16.0	X	165.63967	359.65162	127.79047	3.54910	0.1220609	0.25954356	2.4340484	20	7 31.8	19.5
86684 2000 FH_{38}	15.6	X	163.60514	228.34306	58.62984	3.53235	0.1932082	0.27617036	2.3353466	20	—	—
86685 2000 FO_{39}	16.3	X	68.24457	193.95465	49.01767	4.84270	0.1604223	0.25828410	2.4419547	20	9 22.9	19.6
86686 2000 FU_{39}	15.8	X	272.42601	191.13544	57.77869	4.77342	0.1494788	0.28680965	2.2772299	20	1 10.2	19.2
86687 2000 FH_{41}	16.0	X	118.42176	200.23737	47.61392	7.66305	0.0730808	0.26654415	2.3912406	20	11 15.3	19.4
86688 2000 FA_{44}	15.9	X	189.90127	51.21542	81.67434	6.88042	0.0949678	0.26379253	2.4078405	20	9 8.8	19.4
86689 2000 FN_{45}	15.9	X	122.83140	106.36838	141.64219	6.45167	0.0906460	0.26773959	2.3841175	20	11 23.2	19.4
86690 2000 FS_{45}	16.2	X	328.91059	149.80175	85.81151	5.26814	0.1037960	0.29400368	2.2399287	20	3 13.8	18.5
86691 2000 FE_{46}	15.5	X	177.57507	182.96656	95.20750	6.90226	0.1576431	0.27771014	2.3267063	20	—	—
86692 2000 FS_{47}	15.8	X	112.62298	189.91924	81.47609	7.68818	0.1098678	0.26842422	2.3800619	20	12 10.9	19.2
86693 2000 FR_{48}	16.2	X	358.18457	257.47517	314.11640	7.09515	0.1014191	0.29470146	2.2363916	20	3 21.9	18.5
86694 2000 FC_{49}	14.6	X	70.05988	320.96692	322.01732	4.46548	0.1626616	0.26256373	2.4153471	20	11 13.3	18.2
86695 2000 FF_{49}	16.0	X	78.12959	347.29139	233.62306	9.80177	0.1587891	0.25735636	2.4478198	20	8 28.7	19.7
86696 2000 FO_{49}	15.5	X	311.31096	297.63079	302.02658	4.39192	0.0988780	0.29091747	2.2557425	20	2 18.5	18.2
86697 2000 FY_{49}	14.5	X	79.32750	312.17718	335.91858	2.21128	0.1503013	0.26393858	2.4069522	20	11 29.4	18.0
86698 2000 FJ_{55}	16.0	X	253.58605	36.82199	219.38849	5.55456	0.1520395	0.28790830	2.2714330	20	—	—
86699 2000 FU_{55}	15.4	X	156.37969	151.68641	151.05158	24.19719	0.1887868	0.27785489	2.3258981	20	—	—
86700 2000 FD_{58}	16.4	X	262.87233	46.75644	71.23016	4.17152	0.0595963	0.27180007	2.3603134	20	11 26.5	19.2
86701 2000 FP_{59}	16.4	X	105.52790	136.53250	43.03610	9.05942	0.1385409	0.25766110	2.4458894	20	8 11.0	20.1
86702 2000 FM_{60}	16.2	X	264.05318	221.23332	76.88371	5.80562	0.1141375	0.29313151	2.2443696	20	3 10.7	19.3
86703 2000 FC_{61}	15.2	X	3.21973	5.69828	66.26521	10.55932	0.2113778	0.28042980	2.3116386	20	—	—
86704 2000 FS_{63}	16.7	X	247.20842	50.18660	64.00833	3.28093	0.1538774	0.27075422	2.3663876	20	10 14.9	19.5
86705 2000 FW_{64}	15.1	X	113.14471	5.32581	265.49840	5.70700	0.0934549	0.26838863	2.3802723	20	12 10.2	18.4
86706 2000 FY_{73}	14.8	X	74.97223	312.72116	47.58078	24.53832	0.1931579	0.27637407	2.3341989	20	—	—
86707 2000 GJ	16.6	X	154.73509	103.34366	182.24887	2.02910	0.2061241	0.27372308	2.3492457	20	—	—
86708 2000 GK_{5}	16.5	X	250.27861	340.68278	256.53872	3.88752	0.1282215	0.28304701	2.2973668	20	—	—
86709 2000 GR_{5}	16.0	X	254.32113	34.21213	245.09839	3.63614	0.1559054	0.28970219	2.2620465	20	1 27.9	19.4
86710 2000 GU_{5}	16.1	X	114.26775	7.65174	208.89641	2.07518	0.1665070	0.26172747	2.4204894	20	10 5.7	19.9
86711 2000 GB_{6}	16.7	X	94.47198	17.66490	200.14916	1.99410	0.1613477	0.26023987	2.4297047	20	9 16.8	20.3
86712 2000 GO_{6}	16.8	X	79.34454	102.39530	156.23940	1.28558	0.1532890	0.26210381	2.4181719	20	10 24.0	20.2
86713 2000 GY_{8}	15.7	X	283.09581	226.43818	50.36842	1.58819	0.1964901	0.29286640	2.2457238	20	2 20.8	18.9
86714 2000 GN_{9}	16.5	X	148.39260	323.23291	246.06887	1.36669	0.0773517	0.26795667	2.3828297	20	10 30.2	19.7
86715 2000 GO_{9}	16.3	X	142.28731	36.26768	203.52714	4.17063	0.1435145	0.26973562	2.3723414	20	12 1.3	19.9
86716 2000 GW_{10}	16.1	X	22.36265	322.07369	343.02718	3.62208	0.1819198	0.30991590	2.1625864	20	10 26.3	18.3
86717 2000 GG_{11}	16.3	X	61.35985	93.32815	185.70369	2.54445	0.2004112	0.26236957	2.4165386	20	11 5.4	19.8
86718 2000 GO_{14}	16.5	X	304.19087	141.01719	184.43385	3.28909	0.1985764	0.30174824	2.2014368	20	5 29.4	18.6
86719 2000 GA_{19}	16.5	X	118.92066	260.34076	270.83979	1.12129	0.1416861	0.25837635	2.4413734	20	8 10.4	20.0
86720 2000 GC_{19}	16.4	X	200.02340	34.11604	209.92894	3.25526	0.1677005	0.27662150	2.3328067	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
86721 2000 GJ_{28}	16.2	X	69.98772	283.91516	5.46919	2.42290	0.1838230	0.26389059	2.4072440	20	11 24.7	19.8
86722 2000 GY_{28}	16.5	X	230.80974	311.08432	313.88068	0.29874	0.1169335	0.28351445	2.2948409	20	—	—
86723 2000 GG_{30}	16.7	X	28.48402	268.99807	27.20728	1.49943	0.1923600	0.25895427	2.4377397	20	10 15.0	19.4
86724 2000 GY_{30}	16.2	X	242.75823	79.93653	21.47230	1.52697	0.1420282	0.26683827	2.3894832	20	9 21.3	19.1
86725 2000 GG_{32}	15.7	X	297.86684	296.79900	69.96273	0.59420	0.0863363	0.20970659	2.8058298	20	8 2.1	19.1
86726 2000 GN_{34}	16.0	X	274.90162	95.18279	199.87774	5.30792	0.1394720	0.29297746	2.2451563	20	3 11.7	19.1
86727 2000 GW_{34}	16.5	X	242.97950	53.17326	192.20715	2.47067	0.1177755	0.28263419	2.2996033	20	—	—
86728 2000 GV_{35}	15.4	X	319.24871	263.66820	10.85865	4.37030	0.1434503	0.29616321	2.2290269	20	4 14.6	17.5
86729 2000 GX_{36}	15.8	X	21.99641	315.53133	349.92158	2.77062	0.1752307	0.25979054	2.4325055	20	10 14.2	18.4
86730 2000 GY_{37}	16.4	X	228.19619	130.53035	189.22168	7.20943	0.3036578	0.28808529	2.2705025	20	2 18.3	20.6
86731 2000 GV_{38}	15.7	X	13.31753	254.35166	45.01952	2.38889	0.1641039	0.25749146	2.4469635	20	9 19.7	18.0
86732 2000 GK_{39}	16.6	X	141.18301	7.55389	165.68327	2.03596	0.1164197	0.26106121	2.4246058	20	9 4.7	20.2
86733 2000 GS_{41}	16.3	X	79.62138	353.41098	257.72563	0.72838	0.0942731	0.26123844	2.4235091	20	10 6.6	19.6
86734 2000 GT_{42}	17.0	X	218.25171	281.44587	315.38551	1.14278	0.1478469	0.27775634	2.3264482	20	—	—
86735 2000 GF_{43}	16.6	X	26.33022	110.13310	184.73132	1.15200	0.1775321	0.25812652	2.4429484	20	10 7.1	19.3
86736 2000 GE_{45}	15.8	X	13.50207	270.22786	51.40432	3.25651	0.1796139	0.26043699	2.4284785	20	10 25.8	18.3
86737 2000 GV_{46}	16.0	X	58.05206	100.42104	218.98688	1.80989	0.1932516	0.26571209	2.3962300	20	12 22.0	19.5
86738 2000 GB_{51}	16.4	X	300.37174	110.84140	171.34529	3.70977	0.1553672	0.29422596	2.2388005	20	3 26.2	18.9
86739 2000 GC_{51}	15.7	X	334.76940	40.22795	178.48935	4.79158	0.0793156	0.29218427	2.2492177	20	2 27.3	18.1
86740 2000 GM_{51}	16.1	X	32.41098	108.64446	160.73965	2.79583	0.1376083	0.25617231	2.4553567	20	9 2.8	18.7
86741 2000 GW_{52}	15.6	X	195.40995	251.43185	7.79903	4.28781	0.0778929	0.27769361	2.3267986	20	—	—
86742 2000 GR_{53}	15.7	X	55.77708	282.39635	30.28612	1.59651	0.1890665	0.26409434	2.4060057	20	12 10.4	19.1
86743 2000 GS_{56}	16.0	X	149.24888	252.39545	45.21594	3.22249	0.1495487	0.27515351	2.3410966	20	—	—
86744 2000 GE_{57}	15.7	X	43.21014	79.86538	206.84304	5.32259	0.1310337	0.25956771	2.4338974	20	10 12.9	18.6
86745 2000 GJ_{57}	15.3	X	193.07475	123.73059	208.90824	5.09765	0.2148040	0.28515137	2.2860501	20	2 8.0	19.2
86746 2000 GW_{57}	16.7	X	84.87167	341.99521	240.65362	1.29686	0.1612987	0.25784348	2.4447359	20	9 12.2	20.1
86747 2000 GZ_{57}	15.8	X	36.88097	310.25563	344.70351	1.90418	0.2073806	0.25859896	2.4399721	20	10 26.9	18.9
86748 2000 GP_{58}	16.0	X	49.85864	63.42119	250.14423	1.38270	0.1921346	0.26300219	2.4126619	20	12 5.4	19.4
86749 2000 GF_{60}	16.2	X	191.90987	302.47960	25.74809	6.71736	0.1467481	0.28520111	2.2857843	20	2 3.7	19.7
86750 2000 GS_{63}	16.9	X	168.64145	252.24734	41.46742	3.78986	0.1886009	0.27653963	2.3332671	20	—	—
86751 2000 GQ_{64}	15.9	X	86.74855	92.98020	195.86915	4.25562	0.1904787	0.26481919	2.4016133	20	12 11.5	19.7
86752 2000 GB_{66}	16.1	X	125.45745	18.06243	260.24257	0.67352	0.1768648	0.26890116	2.3772468	20	—	—
86753 2000 GK_{67}	16.5	X	174.81897	248.68002	23.25886	2.30575	0.1979591	0.27448995	2.3448681	20	—	—
86754 2000 GS_{67}	15.8	X	2.63197	218.87482	127.84474	1.37284	0.1555252	0.31107028	2.1572329	20	11 23.0	17.7
86755 2000 GO_{68}	16.7	X	253.91910	285.44058	35.72262	5.24837	0.1858425	0.29176203	2.2513872	20	3 21.6	20.1
86756 2000 GV_{69}	15.3	X	168.67825	279.44503	28.79870	7.08478	0.1551630	0.27849495	2.3223330	20	—	—
86757 2000 GA_{70}	16.1	X	144.44612	276.53227	17.44802	4.61769	0.2304323	0.27239109	2.3568980	20	—	—
86758 2000 GV_{71}	15.8	X	291.34040	149.78769	194.60792	5.09478	0.1285088	0.30076990	2.2062081	20	6 18.3	18.2
86759 2000 GX_{72}	15.8	X	139.52092	96.48832	191.00365	2.10206	0.1931956	0.27124983	2.3635043	20	—	—
86760 2000 GQ_{75}	16.5	X	168.58243	41.27287	127.50799	1.33925	0.1079017	0.26284404	2.4136296	20	9 28.7	19.8
86761 2000 GR_{75}	16.0	X	81.57690	273.09392	188.15885	3.56990	0.1299213	0.24238493	2.5476063	20	3 19.8	19.1
86762 2000 GS_{75}	16.7	X	209.36204	219.74948	60.79613	2.70398	0.1276330	0.28059007	2.3107583	20	—	—
86763 2000 GH_{78}	16.0	X	309.82411	243.19747	31.86382	10.65072	0.0471814	0.24619249	2.5212709	20	4 20.0	19.2
86764 2000 GP_{78}	16.6	X	280.55859	1.00720	221.16078	4.54384	0.0916414	0.28411873	2.2915859	20	—	—
86765 2000 GC_{84}	15.6	X	87.86794	183.96516	114.47036	7.19697	0.1160799	0.27004878	2.3705070	20	12 20.3	19.0
86766 2000 GD_{84}	16.3	X	169.30397	176.43241	86.82405	5.84806	0.2148296	0.27462122	2.3441208	20	—	—
86767 2000 GX_{84}	15.7	X	241.16982	43.27513	77.40746	13.65400	0.1279319	0.26889680	2.3772725	20	10 24.6	18.9
86768 2000 GA_{86}	15.5	X	213.57538	222.13565	303.73009	4.23812	0.0876149	0.27169483	2.3609228	20	11 17.3	18.5
86769 2000 GE_{87}	15.1	X	116.83704	262.28020	74.61789	6.93720	0.2698249	0.27596874	2.3364839	20	—	—
86770 2000 GN_{87}	15.7	X	296.01006	100.11123	114.83476	5.96673	0.1087773	0.28653721	2.2786731	20	—	—
86771 2000 GS_{87}	15.5	X	345.64990	175.10607	99.08620	6.13241	0.1416906	0.29972538	2.2113307	20	6 9.9	17.2
86772 2000 GK_{88}	15.8	X	222.14354	134.65306	168.02994	7.73604	0.1361053	0.28646767	2.2790419	20	1 27.4	19.3
86773 2000 GT_{88}	15.1	X	221.20206	181.28676	94.23332	7.32153	0.1600277	0.28246310	2.3005318	20	—	—
86774 2000 GH_{89}	15.7	X	91.76286	135.35827	127.96956	5.51332	0.1617023	0.26321933	2.4113349	20	11 13.9	19.4
86775 2000 GL_{90}	15.0	X	134.11916	175.53594	113.42523	7.67263	0.1291043	0.27234604	2.3571579	20	—	—
86776 2000 GR_{91}	15.5	X	92.56863	155.65288	112.01499	9.27451	0.0974031	0.26416598	2.4055707	20	11 16.5	19.1
86777 2000 GV_{91}	15.6	X	344.45987	91.65480	97.04234	7.35403	0.1892774	0.28975530	2.2617701	20	1 14.3	17.7
86778 2000 GX_{91}	15.0	X	164.85493	175.64774	140.62653	7.15398	0.1346324	0.27957559	2.3163449	20	—	—
86779 2000 GG_{92}	16.1	X	324.12324	86.80185	160.65155	8.25113	0.1190501	0.29322861	2.2438741	20	3 19.2	18.4
86780 2000 GO_{92}	15.7	X	226.49915	183.26101	90.26294	1.97301	0.1884407	0.28507850	2.2864396	20	—	—
86781 2000 GT_{92}	15.5	X	191.16480	101.02336	74.78400	3.29375	0.1473037	0.26979407	2.3719987	20	10 30.1	18.8
86782 2000 GZ_{92}	15.8	X	309.60112	120.57632	144.93742	3.41899	0.1325238	0.29549563	2.2323828	20	3 20.0	18.3
86783 2000 GX_{93}	15.7	X	163.18537	14.86624	162.36834	13.80059	0.1366274	0.26436972	2.4043346	20	10 5.3	19.4
86784 2000 GZ_{93}	16.0	X	37.26648	97.37311	157.75619	13.10673	0.2430075	0.25396093	2.4695895	20	9 8.6	18.6
86785 2000 GW_{94}	16.6	X	114.51087	219.90704	312.18109	0.58941	0.1306738	0.25713526	2.4492228	20	8 6.2	20.2
86786 2000 GS_{97}	16.1	X	78.37461	244.73303	57.90615	6.02087	0.2346415	0.26626224	2.3929281	20	12 23.6	20.0
86787 2000 GZ_{97}	15.4	X	145.25775	42.02107	255.17463	4.08024	0.1629525	0.27582859	2.3372752	20	—	—
86788 2000 GX_{98}	15.2	X	243.05615	46.57774	275.60458	5.47548	0.1984262	0.29180280	2.2511776	20	3 6.8	18.8
86789 2000 GD_{99}	15.8	X	348.49714	354.23132	339.47029	4.64922	0.1896293	0.30795297	2.1717664	20	10 6.4	17.2
86790 2000 GE_{100}	15.8	X	298.16330	282.13890	293.79977	2.63141	0.1327140	0.28660045	2.2783379	20	—	—
86791 2000 GN_{100}	16.0	X	308.02137	248.55520	357.41244	7.01221	0.0836896	0.29164518	2.2519886	20	2 27.8	18.6
86792 2000 GM_{103}	16.0	X	174.89908	131.31402	155.48009	4.13125	0.2315388	0.27661799	2.3328265	20	—	—
86793 2000 GF_{104}	15.4	X	194.81158	232.15830	39.85309	8.98753	0.1314545	0.27875667	2.3208792	20	—	—
86794 2000 GL_{104}	15.1	X	218.42019	52.80876	38.09355	11.10440	0.2370180	0.26221464	2.4174904	20	8 2.6	19.2
86795 2000 GM_{105}	16.4	X	174.72491	138.74980	143.27178	2.77663	0.2272403	0.27607374	2.3358914	20	—	—
86796 2000 GY_{107}	15.8	X	93.47600	138.67031	77.53747	3.52115	0.1310183	0.25820585	2.4424481	20	9 12.7	19.2
86797 2000 GM_{108}	15.1	X	324.21286	124.67575	153.08266	5.77948	0.1867451	0.29567054	2.2315023	20	4 24.8	17.0
86798 2000 GW_{111}	15.4	X	318.82970	327.01538	6.01330	6.71763	0.1432505	0.25546424	2.4598916	20	7 18.9	17.9
86799 2000 GH_{112}	16.0	X	289.88965	146.54592	152.39443	4.75711	0.1948383	0.29513312	2.2342105	20	3 30.3	18.8
86800 2000 GG_{113}	16.0	X	235.46935	267.38190	31.04929	4.22051	0.2351894	0.28721145	2.2751055	20	2 3.2	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
86801 2000 GJ_{113}	15.7	X	38.14383	99.40863	204.91869	1.64239	0.2170935	0.26091837	2.4254907	20	11 13.0	18.8
86802 2000 GY_{113}	15.9	X	71.82471	220.21797	5.88112	6.69296	0.0721387	0.25748430	2.4470089	20	8 22.2	19.0
86803 2000 GZ_{114}	15.7	X	139.57968	106.00207	163.16587	6.77297	0.0985535	0.27368783	2.3494474	20	—	—
86804 2000 GH_{115}	15.3	X	12.20738	284.32843	39.57954	6.65739	0.1383823	0.26266588	2.4147209	20	10 21.0	17.7
86805 2000 GR_{115}	16.5	X	221.32246	209.80651	79.18473	3.75589	0.2049588	0.28439361	2.2901091	20	1 11.1	20.3
86806 2000 GS_{115}	16.5	X	140.51418	73.54830	129.12846	3.70077	0.1273578	0.26455722	2.4031984	20	10 14.6	20.1
86807 2000 GE_{116}	15.8	X	173.44352	2.28843	116.17296	3.13718	0.1528705	0.25948106	2.4344393	20	7 27.7	19.6
86808 2000 GW_{116}	16.6	X	87.54843	92.82169	189.60457	6.87094	0.2079048	0.26681055	2.3896486	20	12 6.2	20.5
86809 2000 GC_{124}	15.7	X	127.74574	116.54027	100.60181	6.75950	0.0652692	0.26261476	2.4150343	20	10 19.8	19.1
86810 2000 GD_{124}	16.3	X	225.46042	162.04712	88.40657	7.47502	0.1720748	0.27897832	2.3196498	20	—	—
86811 2000 GX_{124}	15.5	X	210.53979	126.58073	120.71558	5.42889	0.1843263	0.27611037	2.3356848	20	—	—
86812 2000 GB_{125}	15.2	X	129.01568	101.18720	155.09641	9.05333	0.1881989	0.26568740	2.3963785	20	12 9.3	19.2
86813 2000 GS_{131}	16.1	X	234.97241	185.11062	125.23873	6.65575	0.1475752	0.28690472	2.2767268	20	2 20.5	19.6
86814 2000 GB_{133}	16.3	X	101.54055	70.05820	213.71427	4.12896	0.2012798	0.26501414	2.4004354	20	12 18.4	20.2
86815 2000 GL_{134}	15.5	X	228.29790	205.45172	94.79467	8.13707	0.2170305	0.28649656	2.2788887	20	1 30.9	19.4
86816 2000 GB_{135}	15.7	X	216.88607	205.31281	83.86329	9.18395	0.1319588	0.28407794	2.2918053	20	1 7.2	19.1
86817 2000 GY_{135}	15.6	X	310.75943	100.25294	146.18843	7.52934	0.1220525	0.29138870	2.2533098	20	2 25.1	18.1
86818 2000 GK_{136}	15.1	X	50.57687	124.50010	124.07843	8.38068	0.1218143	0.25501262	2.4627950	20	8 31.3	18.1
86819 2000 GK_{137}	17.4	X	13.23163	150.26555	164.90355	10.06102	0.5059324	0.34959146	1.9957011	20	12 25.1	20.6
86820 2000 GJ_{138}	16.2	X	32.49786	91.46582	131.08147	4.28244	0.0502365	0.30058155	2.2071296	20	6 13.9	18.4
86821 2000 GV_{138}	16.3	X	259.63023	202.86678	110.00754	7.16397	0.1535273	0.29293418	2.2453774	20	3 21.4	19.6
86822 2000 GY_{139}	16.0	X	299.76801	194.59854	110.71174	4.51995	0.1943606	0.29635228	2.2280787	20	4 23.2	18.4
86823 2000 GO_{140}	15.7	X	120.33148	97.72158	187.01797	9.73122	0.2570100	0.26821124	2.3813217	20	—	—
86824 2000 GS_{140}	16.5	X	188.77161	138.83392	90.17164	2.06897	0.1699980	0.27258865	2.3557591	20	12 31.4	19.8
86825 2000 GM_{141}	15.9	X	154.58909	141.50756	133.89657	7.59638	0.1647994	0.27308489	2.3529043	20	—	—
86826 2000 GG_{142}	15.9	X	41.93259	20.34510	152.20013	12.41544	0.1742732	0.24707055	2.5152938	20	5 5.7	18.6
86827 2000 GN_{145}	15.6	X	148.46236	165.71172	150.88092	7.02923	0.1314333	0.27570193	2.3379910	20	—	—
86828 2000 GR_{145}	16.3	X	354.82345	102.13865	207.53371	6.98810	0.1126284	0.25586560	2.4573185	20	8 20.1	18.8
86829 2000 GR_{146}	15.9	X	181.97426	31.36872	78.50788	14.37927	0.5749952	0.55698239	1.4629913	20	7 24.9	18.7
86830 2000 GN_{147}	15.9	X	245.13067	69.66736	245.93304	3.99997	0.1733844	0.29139807	2.2532615	20	3 2.9	19.3
86831 2000 GT_{147}	16.4	X	331.58016	324.77498	336.74286	1.85231	0.2114605	0.30265306	2.1970470	20	6 16.4	17.6
86832 2000 GU_{152}	15.3	X	189.56386	161.77723	301.68569	4.71517	0.1056662	0.25877469	2.4388674	20	7 25.9	18.8
86833 2000 GZ_{153}	14.8	X	114.94055	342.63700	262.23492	6.51410	0.1874792	0.26496977	2.4007034	20	11 11.2	18.7
86834 2000 GY_{156}	15.6	X	27.77926	140.58561	190.71841	6.37149	0.0677748	0.21681594	2.7441546	20	11 3.2	19.1
86835 2000 GJ_{158}	15.9	X	306.81319	220.98518	68.18391	4.45071	0.1548664	0.29791067	2.2203018	20	4 16.4	18.2
86836 2000 GE_{160}	16.7	X	320.73860	266.41334	306.04955	3.17561	0.0795687	0.28954408	2.2628699	20	1 29.4	19.3
86837 2000 GH_{160}	16.1	X	238.36786	306.07765	313.30556	8.02062	0.1883201	0.28364093	2.2941586	20	—	—
86838 2000 GY_{161}	15.8	X	132.88210	195.70469	95.98224	7.18319	0.2163664	0.27052064	2.3677496	20	—	—
86839 2000 GD_{162}	15.9	X	166.81119	212.27410	117.15965	8.43897	0.1814965	0.28148671	2.3058486	20	1 12.2	19.1
86840 2000 GF_{162}	15.4	X	267.12483	128.85560	90.53877	7.57078	0.0649322	0.28069776	2.3101672	20	—	—
86841 2000 GC_{163}	15.3	X	218.59790	238.56440	50.26063	24.53046	0.2067190	0.28248339	2.3004216	20	1 9.1	19.6
86842 2000 GQ_{166}	15.6	X	64.30768	185.26306	81.05473	15.03447	0.1530567	0.25941658	2.4348426	20	10 23.6	19.2
86843 2000 GM_{168}	15.9	X	45.75564	204.49541	53.29658	7.02595	0.0698774	0.25743981	2.4472908	20	8 31.0	19.0
86844 2000 GW_{170}	16.0	X	226.68596	339.62991	0.39785	7.83479	0.1807702	0.29324685	2.2437811	20	3 18.5	19.5
86845 2000 GP_{172}	16.3	X	252.96128	318.27847	284.25631	5.24738	0.1887657	0.28468909	2.2885242	20	—	—
86846 2000 GC_{173}	16.1	X	86.38108	128.89344	145.21948	6.91708	0.0983290	0.26711183	2.3878514	20	11 17.7	19.5
86847 2000 GV_{174}	17.3	X	265.51308	142.10989	101.72036	0.60106	0.1642449	0.28656571	2.2785221	20	—	—
86848 2000 GL_{176}	15.8	X	341.57380	111.24112	212.84804	1.67348	0.1950697	0.25557144	2.4592037	20	8 19.7	17.4
86849 2000 GY_{179}	15.8	X	280.61260	182.46624	144.78070	4.61391	0.1879683	0.29572706	2.2312180	20	4 28.7	18.6
86850 2000 GA_{183}	15.7	X	118.89448	344.78714	269.71561	2.23733	0.1520430	0.26815384	2.3816615	20	11 26.8	19.5
86851 2000 HK	17.0	X	272.71068	68.96197	201.80376	0.87578	0.1695661	0.29078391	2.2564331	20	2 4.1	20.1
86852 2000 HJ_{2}	15.7	X	230.00747	289.64053	190.77788	6.87071	0.0517023	0.26504948	2.4002220	20	10 14.3	18.7
86853 2000 HC_{5}	15.5	X	144.33319	267.47437	49.18470	13.18301	0.2597467	0.27395564	2.3479160	20	—	—
86854 2000 HF_{5}	15.4	X	107.49024	339.91445	225.99878	13.99439	0.1651264	0.25843325	2.4410150	20	9 10.1	19.4
86855 2000 HQ_{5}	15.9	X	228.28656	269.88579	48.17517	6.24918	0.1224780	0.28906177	2.2653863	20	2 26.6	19.2
86856 2000 HE_{9}	16.2	X	20.39291	248.64897	53.38808	1.23768	0.2047992	0.25614473	2.4555330	20	10 12.2	18.7
86857 2000 HW_{9}	15.7	X	153.82939	269.36945	53.83951	6.80290	0.1383254	0.27789751	2.3256603	20	—	—
86858 2000 HS_{11}	16.3	X	279.73389	168.77544	33.64349	3.83573	0.1491346	0.28182608	2.3039971	20	—	—
86859 2000 HU_{11}	15.6	X	82.44779	62.72045	217.87552	6.04247	0.0950356	0.26388794	2.4072601	20	11 18.9	18.8
86860 2000 HX_{11}	16.3	X	166.36556	77.49917	240.78320	2.48887	0.2605328	0.27793069	2.3254752	20	1 4.7	20.0
86861 2000 HA_{12}	16.3	X	83.42306	273.04976	283.07250	1.18184	0.1314049	0.25415469	2.4683342	20	8 1.8	19.5
86862 2000 HU_{13}	15.9	X	301.18179	213.42040	41.02904	6.86209	0.2534176	0.23951652	2.5679057	20	2 13.2	19.6
86863 2000 HY_{14}	16.1	X	223.92037	189.98341	99.14906	7.11415	0.1801930	0.28377810	2.2934193	20	1 13.6	19.6
86864 2000 HH_{16}	16.2	X	173.02196	197.39298	54.78993	5.43903	0.1055576	0.27245070	2.3565542	20	—	—
86865 2000 HV_{16}	16.3	X	41.73675	174.03967	133.46010	1.97689	0.1835307	0.26130237	2.4231138	20	11 17.2	19.3
86866 2000 HD_{18}	15.9	X	265.13301	158.36060	221.06454	4.27965	0.0512906	0.25361894	2.4718091	20	7 10.4	19.0
86867 2000 HU_{18}	15.3	X	27.28855	209.28537	50.32205	7.06720	0.1020066	0.25415174	2.4683533	20	8 7.9	18.2
86868 2000 HA_{20}	15.9	X	188.70834	174.93355	154.54775	6.64440	0.1631040	0.28223148	2.3017903	20	1 30.9	19.6
86869 2000 HF_{20}	16.5	X	196.48870	158.99624	167.78459	3.30979	0.2572165	0.28364565	2.2941332	20	2 6.0	20.4
86870 2000 HK_{20}	16.3	X	177.66663	109.17100	227.17155	5.71940	0.1361654	0.28370093	2.2938352	20	1 26.1	19.7
86871 2000 HA_{21}	16.1	X	168.94072	179.55751	121.74916	3.14448	0.2148436	0.27632854	2.3344552	20	—	—
86872 2000 HE_{21}	15.2	X	306.64967	318.13411	75.50629	7.60788	0.1374742	0.26154103	2.4216396	20	10 2.5	17.6
86873 2000 HH_{21}	15.4	X	350.74352	294.38637	139.80160	7.74146	0.0825214	0.27538766	2.3397695	20	—	—
86874 2000 HL_{21}	15.9	X	214.91268	128.82920	171.59108	4.71636	0.1514705	0.28339301	2.2954964	20	1 18.5	19.5
86875 2000 HN_{21}	15.4	X	94.22785	0.98626	291.50539	5.31776	0.1137018	0.26866427	2.3786440	20	12 18.8	18.8
86876 2000 HZ_{21}	16.0	X	81.13857	168.35030	32.10051	5.74042	0.0727533	0.25579793	2.4577518	20	7 29.4	19.3
86877 2000 HG_{22}	15.8	X	287.91223	81.59614	216.18865	12.18316	0.1529710	0.24461820	2.5320768	20	4 1.9	19.2
86878 2000 HD_{24}	17.6	X	19.40113	214.89915	231.02181	9.47571	0.6187381	0.63429245	1.3415587	20	—	—
86879 2000 HS_{25}	16.2	X	3.05670	105.90366	208.41590	1.93841	0.1849047	0.25586218	2.4573404	20	9 23.4	18.4
86880 2000 HE_{26}	16.0	X	154.62081	223.49028	88.59031	3.09785	0.2429994	0.27547970	2.3392483	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
86881 2000 HD_{27}	15.7	X	196.93088	143.50089	159.49956	6.65653	0.1218986	0.28169693	2.3047012	20	1 4.3	19.1
86882 2000 HE_{27}	16.0	X	180.82998	122.49352	105.14670	5.42811	0.1507490	0.27072290	2.3665702	20	12 23.0	19.4
86883 2000 HH_{27}	15.5	X	15.43846	134.64072	189.09225	11.10180	0.2283863	0.25814494	2.4428322	20	11 10.2	18.2
86884 2000 HJ_{27}	15.3	X	182.13214	327.71885	138.40991	5.60111	0.1639911	0.25680313	2.4513341	20	7 19.1	19.3
86885 2000 HU_{27}	15.0	X	216.97911	54.80953	223.97497	22.66034	0.1680579	0.28121223	2.3073488	20	—	—
86886 2000 HR_{29}	15.3	X	19.74287	51.28252	230.57064	5.76404	0.1197470	0.25543999	2.4600473	20	8 24.6	18.1
86887 2000 HV_{29}	15.9	X	126.22926	265.87255	269.28441	5.20237	0.0902566	0.25768808	2.4457187	20	8 18.0	19.5
86888 2000 HB_{30}	15.9	X	167.14750	32.12305	129.83795	9.33497	0.1911680	0.26322487	2.4113010	20	9 18.3	19.9
86889 2000 HF_{30}	15.8	X	63.91500	175.66968	122.18385	10.87414	0.3099863	0.26080184	2.4262132	20	12 12.4	19.9
86890 2000 HN_{31}	16.1	X	314.91561	134.79501	229.35003	3.24274	0.1278407	0.30836340	2.1698389	20	9 6.1	17.8
86891 2000 HK_{32}	16.2	X	140.33919	67.53114	233.34958	4.09513	0.1133249	0.27344503	2.3508380	20	—	—
86892 2000 HQ_{32}	16.2	X	253.07785	317.89335	29.92080	3.99044	0.2073566	0.29439859	2.2379252	20	4 20.7	19.6
86893 2000 HK_{33}	15.4	X	284.83181	71.58002	258.02007	1.18108	0.1522892	0.24669552	2.5178424	20	5 12.9	18.4
86894 2000 HJ_{34}	15.3	X	258.16420	101.61576	238.80128	5.41114	0.2192359	0.29471448	2.2363258	20	4 13.4	18.5
86895 2000 HW_{34}	15.5	X	83.81391	204.22377	107.45104	8.69669	0.0900187	0.26966193	2.3727736	20	12 30.5	18.7
86896 2000 HP_{37}	15.5	X	350.94409	225.00329	138.28336	14.23124	0.2504678	0.25916921	2.4363917	20	11 29.1	18.0
86897 2000 HK_{39}	15.8	X	149.03791	264.76953	78.17956	7.82173	0.1465089	0.27919624	2.3184426	20	1 7.9	19.0
86898 2000 HE_{40}	15.7	X	332.52449	237.75064	88.34314	3.54085	0.2018769	0.25383175	2.4704274	20	7 31.6	17.4
86899 2000 HQ_{40}	15.4	X	25.45752	351.72755	270.90651	5.87294	0.1090375	0.25539041	2.4603656	20	8 5.2	18.1
86900 2000 HM_{42}	15.7	X	189.93931	352.97035	65.34372	3.65142	0.0386441	0.25061255	2.4915379	20	5 27.9	19.1
86901 2000 HW_{44}	16.0	X	202.02411	197.24283	142.61331	3.82244	0.1723336	0.28800748	2.2709114	20	2 25.7	19.5
86902 2000 HQ_{45}	15.2	X	355.25315	269.60725	74.71269	3.86929	0.1957557	0.26095191	2.4252829	20	10 28.8	17.2
86903 2000 HK_{46}	16.0	X	186.33922	83.96643	222.56986	6.45881	0.1249801	0.28094737	2.3087987	20	—	—
86904 2000 HM_{46}	15.0	X	70.68364	268.47005	38.99745	9.44987	0.1500255	0.21570089	2.7536036	20	12 4.3	19.2
86905 2000 HT_{46}	14.4	X	176.41709	168.06484	47.34351	7.14771	0.1006175	0.17060430	3.2196555	20	11 18.4	19.3
86906 2000 HZ_{46}	14.7	X	114.00117	183.37037	213.85780	10.19414	0.0583621	0.18672752	3.0315437	20	2 2.7	19.1
86907 2000 HB_{47}	15.5	X	224.76268	334.67314	11.00801	2.91430	0.1954797	0.29030228	2.2589282	20	3 23.5	18.9
86908 2000 HD_{48}	15.9	X	252.93146	77.85388	195.57280	1.44037	0.0508586	0.23705361	2.5856615	20	2 3.9	19.4
86909 2000 HH_{48}	15.7	X	79.60900	85.86853	210.22067	0.88404	0.2879118	0.26245242	2.4160300	20	12 19.7	19.7
86910 2000 HM_{48}	16.0	X	172.74685	60.64394	224.65246	6.26171	0.1263851	0.27559417	2.3386005	20	—	—
86911 2000 HE_{50}	15.7	X	230.68684	313.24051	40.70692	6.01395	0.2111025	0.29143786	2.2530564	20	4 8.7	19.3
86912 2000 HN_{50}	15.7	X	34.77669	231.04941	79.54887	2.36705	0.1985022	0.25883160	2.4385099	20	11 13.9	18.7
86913 2000 HE_{51}	16.0	X	211.45120	62.98076	216.05362	3.96680	0.1875721	0.27947644	2.3168927	20	—	—
86914 2000 HG_{51}	16.0	X	155.89081	137.80681	196.09707	3.69082	0.2842476	0.27680885	2.3317540	20	1 16.4	19.8
86915 2000 HV_{51}	16.1	X	199.90116	256.89553	51.98702	7.86564	0.1391962	0.28169518	2.3047108	20	1 17.1	19.7
86916 2000 HG_{54}	16.0	X	208.99312	97.75497	213.99949	3.38635	0.1497537	0.28262258	2.2996662	20	1 26.9	19.6
86917 2000 HT_{54}	15.4	X	143.06430	112.49008	218.83204	6.40260	0.1408233	0.27598203	2.3364089	20	—	—
86918 2000 HY_{54}	16.4	X	95.93706	248.22335	55.68132	3.12337	0.1931371	0.26622179	2.3931705	20	—	—
86919 2000 HE_{56}	14.8	X	125.00647	257.27821	56.92809	12.66382	0.0702427	0.22486839	2.6782459	20	—	—
86920 2000 HM_{56}	15.7	X	331.44926	142.91739	161.05624	4.38682	0.1425778	0.25117600	2.4878105	20	6 25.9	18.1
86921 2000 HV_{56}	15.8	X	241.21545	201.64053	75.76885	4.66970	0.1877667	0.28400383	2.2922039	20	1 14.3	19.4
86922 2000 HZ_{56}	15.6	X	269.13327	281.59866	71.14596	6.57652	0.2112587	0.29758555	2.2219187	20	5 15.7	18.4
86923 2000 HV_{58}	15.7	X	145.35757	279.90418	19.75439	10.29035	0.2519293	0.27257650	2.3558290	20	—	—
86924 2000 HG_{59}	15.9	X	307.56618	42.63058	250.87202	2.95824	0.0490993	0.24791332	2.5095902	20	5 11.7	18.8
86925 2000 HO_{59}	15.4	X	123.41171	64.64425	34.52766	13.03693	0.0983317	0.24717328	2.5145968	20	5 4.8	18.9
86926 2000 HN_{60}	16.0	X	4.80736	115.31837	218.45132	12.83091	0.2478425	0.25833857	2.4416114	20	11 7.9	18.1
86927 2000 HH_{61}	16.1	X	203.59782	278.61159	57.82149	6.19162	0.1987551	0.28623751	2.2802634	20	2 25.9	19.8
86928 2000 HJ_{62}	16.0	X	261.74131	279.27632	61.03163	1.31248	0.1471706	0.24560265	2.5253060	20	4 29.3	19.6
86929 2000 HL_{65}	16.7	X	143.41026	220.47162	74.34058	7.15001	0.1651888	0.27196658	2.3593499	20	—	—
86930 2000 HO_{65}	16.4	X	125.32553	172.48581	106.09716	3.39723	0.1841262	0.26760853	2.3848959	20	—	—
86931 2000 HV_{65}	15.6	X	271.31311	239.19924	73.84751	6.91839	0.1796536	0.29139575	2.2532735	20	3 31.9	18.8
86932 2000 HY_{65}	16.3	X	141.05216	228.91718	65.73000	5.72368	0.2307802	0.27050212	2.3678577	20	—	—
86933 2000 HB_{66}	15.3	X	279.30501	237.46555	67.10933	4.66579	0.1412993	0.24252763	2.5466069	20	4 6.0	18.7
86934 2000 HY_{66}	16.4	X	189.43004	216.90471	99.09595	2.74919	0.2427872	0.28154875	2.3055098	20	1 19.4	20.3
86935 2000 HO_{69}	16.0	X	35.62321	156.61355	150.30593	2.92907	0.1723366	0.25941518	2.4348514	20	11 6.9	19.1
86936 2000 HZ_{69}	16.2	X	236.74709	357.72357	286.47277	4.90855	0.1647971	0.28528042	2.2853606	20	1 18.5	19.8
86937 2000 HB_{70}	15.9	X	277.26857	11.37356	294.89691	4.84162	0.1975556	0.29314748	2.2442881	20	3 20.7	19.2
86938 2000 HK_{70}	16.4	X	104.33748	185.63442	330.18370	1.85185	0.1319306	0.25331516	2.4737848	20	7 3.5	19.8
86939 2000 HV_{70}	15.7	X	57.23259	133.82670	106.20012	4.26514	0.1540406	0.25448866	2.4661742	20	9 2.7	18.8
86940 2000 HJ_{71}	15.8	X	213.44720	274.23332	66.59260	6.30559	0.1675393	0.28911493	2.2651086	20	3 11.3	19.4
86941 2000 HY_{71}	15.3	X	48.38963	148.80256	217.48111	10.10706	0.2738361	0.26894926	2.3769633	20	—	—
86942 2000 HD_{72}	16.3	X	149.51883	176.56107	130.75583	2.79670	0.2175411	0.27437257	2.3455368	20	—	—
86943 2000 HA_{77}	16.2	X	119.06466	191.48446	110.94063	3.42334	0.1618749	0.26999257	2.3708360	20	—	—
86944 2000 HN_{81}	15.6	X	199.01059	214.27423	94.08009	24.96047	0.2165959	0.28259694	2.2998053	20	1 16.3	19.5
86945 2000 HE_{85}	14.9	X	330.44886	109.68225	202.90634	9.23275	0.0914707	0.30043619	2.2078415	20	7 13.6	17.1
86946 2000 HG_{85}	14.6	X	188.65974	63.56935	102.58673	6.22572	0.0206447	0.26261893	2.4150087	20	10 27.9	17.8
86947 2000 HV_{85}	16.3	X	214.19262	194.80259	77.47698	7.46932	0.1041398	0.28012362	2.3133227	20	—	—
86948 2000 HK_{86}	15.8	X	159.66659	217.67481	91.00550	6.07076	0.1902280	0.27553415	2.3389401	20	—	—
86949 2000 HE_{87}	16.0	X	244.62058	133.83898	98.82214	8.12852	0.0693561	0.27915057	2.3186954	20	—	—
86950 2000 HC_{88}	16.3	X	207.72584	74.24398	172.06367	3.70399	0.1696917	0.27583653	2.3372304	20	—	—
86951 2000 HL_{88}	16.2	X	240.55467	171.96520	143.68996	4.95333	0.1715798	0.28787422	2.2716122	20	3 1.7	19.8
86952 2000 HT_{89}	15.5	X	241.63257	305.56053	54.41306	5.59627	0.1629569	0.29405784	2.2396537	20	4 30.2	18.8
86953 2000 HS_{91}	16.3	X	135.15760	284.80055	21.09195	6.56884	0.1973196	0.27211530	2.3584902	20	—	—
86954 2000 HF_{96}	16.2	X	219.54641	174.43310	129.45294	7.53879	0.1282449	0.28476024	2.2881430	20	1 27.9	19.6
86955 2000 HK_{96}	15.9	X	271.96098	170.71613	113.04475	6.93009	0.1209685	0.28981172	2.2614765	20	2 28.3	19.0
86956 2000 HD_{97}	16.9	X	292.54476	43.66422	183.38629	7.91015	0.1684388	0.28633290	2.2797570	20	—	—
86957 2000 HB_{101}	16.3	X	301.69695	197.99943	94.88137	3.29430	0.2080785	0.24439524	2.5336165	20	4 8.9	19.5
86958 2000 JQ	16.2	X	210.78508	30.21799	257.03832	5.05911	0.2083677	0.28089940	2.3090616	20	—	—
86959 2000 JG_{1}	15.3	X	303.87511	131.18186	78.95201	24.50889	0.1529783	0.28638456	2.2794828	20	—	—
86960 2000 JM_{1}	15.4	X	295.57975	119.79634	157.11276	7.05240	0.1667515	0.29334469	2.2432821	20	3 10.7	18.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
86961 2000 JO_1	15.7	X	156.58995	87.82804	235.28451	4.42929	0.1952147	0.27960441	2.3161857	20	—	—
86962 2000 JN_2	15.7	X	258.63467	117.47083	183.38984	21.54810	0.2541822	0.28641627	2.2793145	20	2 19.5	19.8
86963 2000 JS_2	16.4	X	210.78370	115.38099	141.20550	6.78355	0.0801044	0.27929769	2.3178811	20	—	—
86964 2000 JV_2	15.8	X	127.60562	172.99154	118.24920	7.68525	0.3255918	0.26865086	2.3787231	20	—	—
86965 2000 JD_6	14.6	X	295.74985	128.63866	116.08844	37.12860	0.2069589	0.23740416	2.5831156	20	1 28.8	18.4
86966 2000 JP_8	15.4	X	36.62154	66.68190	53.39653	30.08564	0.1101991	0.23730831	2.5838110	20	2 13.7	19.1
86967 2000 JB_9	16.5	X	35.50409	38.52210	234.78610	5.82850	0.2144250	0.25572043	2.4582484	20	9 23.8	19.4
86968 2000 JW_{10}	15.8	X	260.39079	115.65051	218.87205	3.45677	0.1083071	0.24677260	2.5173181	20	4 24.7	19.2
86969 2000 JN_{11}	15.8	X	249.88334	119.56946	242.22240	4.96118	0.2258448	0.29582965	2.2307021	20	5 3.7	19.0
86970 2000 JW_{11}	15.8	X	214.01662	116.74893	232.14952	2.62758	0.1758337	0.29190361	2.2506592	20	3 17.1	19.3
86971 2000 JG_{13}	16.6	X	124.91092	175.92689	142.29851	0.61784	0.2354639	0.27164664	2.3612021	20	—	—
86972 2000 JM_{13}	15.7	X	113.27359	109.92426	219.80216	2.64481	0.1855118	0.27215576	2.3582565	20	—	—
86973 2000 JS_{14}	15.8	X	200.80152	169.07583	91.57300	1.80199	0.1716896	0.27575464	2.3376931	20	—	—
86974 2000 JH_{15}	16.0	X	92.25598	118.66807	216.12416	4.38096	0.2104189	0.26947187	2.3738891	20	—	—
86975 2000 JZ_{16}	16.3	X	244.77988	120.75642	102.47641	2.43102	0.1848097	0.27889510	2.3201111	20	—	—
86976 2000 JJ_{17}	16.0	X	181.43998	155.05007	97.35828	4.18132	0.1167085	0.27287919	2.3540866	20	—	—
86977 2000 JQ_{17}	16.1	X	292.93030	145.09508	122.34027	4.69621	0.0949316	0.29131770	2.2536759	20	3 6.3	18.7
86978 2000 JT_{18}	15.5	X	290.65003	153.04051	108.55508	13.37360	0.2390013	0.23958954	2.5673839	20	2 11.7	19.3
86979 2000 JW_{19}	15.4	X	187.50670	357.96434	282.13230	6.19032	0.1303864	0.27843012	2.3226935	20	—	—
86980 2000 JT_{22}	16.3	X	157.88949	263.90896	24.88054	2.22078	0.2326896	0.27356818	2.3501324	20	—	—
86981 2000 JM_{24}	15.2	X	23.17853	326.95152	307.74819	5.49443	0.1290454	0.25427091	2.4675820	20	8 22.9	17.8
86982 2000 JG_{25}	15.2	X	192.60540	80.17748	285.52342	6.79204	0.1573230	0.29059385	2.2574169	20	3 16.2	18.8
86983 2000 JA_{26}	15.5	X	139.32158	0.84598	280.46246	6.46439	0.0929911	0.27132412	2.3630729	20	—	—
86984 2000 JF_{26}	15.7	X	149.60763	275.87311	245.49067	8.62000	0.0428860	0.25827631	2.4420038	20	8 23.0	19.2
86985 2000 JU_{29}	15.7	X	203.63400	3.49165	263.97574	3.97309	0.1668190	0.27726618	2.3291893	20	—	—
86986 2000 JM_{30}	15.8	X	137.87941	251.48471	34.39836	3.89215	0.1280393	0.27058546	2.3673715	20	—	—
86987 2000 JW_{30}	16.2	X	251.88754	249.27923	351.56621	4.00882	0.1060835	0.28117873	2.3075320	20	—	—
86988 2000 JB_{31}	15.4	X	274.39553	264.67534	30.55042	7.36491	0.0967673	0.24156942	2.5533366	20	3 25.1	18.8
86989 2000 JO_{32}	15.5	X	13.16921	52.46586	237.79842	8.78003	0.2063347	0.25280498	2.4771119	20	9 4.8	18.1
86990 2000 JJ_{34}	15.6	X	133.05699	78.32933	249.51138	6.78448	0.1535248	0.27426718	2.3461376	20	—	—
86991 2000 JX_{34}	16.0	X	148.28536	75.37042	260.27258	1.00176	0.2545997	0.27649759	2.3335036	20	1 9.9	19.5
86992 2000 JN_{35}	15.6	X	227.85805	125.82475	241.69088	5.04944	0.2030118	0.29311240	2.2444672	20	4 21.6	19.0
86993 2000 JH_{36}	15.8	X	201.24309	291.40887	22.32544	4.41946	0.2400690	0.28041406	2.3117251	20	1 26.9	19.7
86994 2000 JP_{36}	16.0	X	201.72807	301.33433	295.96568	1.92835	0.1763440	0.27324527	2.3519836	20	—	—
86995 2000 JG_{37}	15.4	X	80.98648	215.77847	43.41684	3.07203	0.1672784	0.25876815	2.4389085	20	10 27.2	19.0
86996 2000 JM_{37}	15.6	X	307.05305	257.62382	57.25077	6.05352	0.2599621	0.24518260	2.5281895	20	5 7.8	18.4
86997 2000 JQ_{37}	16.1	X	153.17141	260.39948	33.78191	2.66947	0.2161867	0.27164721	2.3611988	20	—	—
86998 2000 JG_{39}	16.0	X	324.24382	148.52771	44.60148	6.59126	0.0990013	0.28543207	2.2845510	20	1 6.0	18.7
86999 2000 JG_{40}	16.3	X	311.90974	6.28296	261.08684	3.43082	0.2155264	0.24158611	2.5532191	20	3 15.0	19.4
87000 2000 JE_{43}	15.9	X	172.68700	279.32795	53.90866	5.15982	0.1384190	0.23217844	2.6217310	20	1 27.1	20.0
87001 2000 JN_{44}	16.4	X	358.41234	68.31452	57.91244	12.99946	0.2302408	0.23480063	2.6021753	20	—	—
87002 2000 JK_{46}	15.3	X	240.08480	258.02561	62.96301	12.54987	0.1515588	0.23852385	2.5750254	20	3 19.5	19.5
87003 2000 JL_{46}	16.1	X	90.69964	89.73848	227.95222	1.36336	0.1817331	0.26634828	2.3924128	20	—	—
87004 2000 JU_{49}	15.8	X	238.78906	303.52106	11.48792	7.40546	0.1275335	0.28794806	2.2712239	20	3 3.4	19.0
87005 2000 JJ_{52}	15.3	X	208.51744	313.48541	35.17506	8.09335	0.3179151	0.28431006	2.2905577	20	3 15.4	19.5
87006 2000 JU_{53}	14.1	X	81.08815	139.35368	163.94370	35.39262	0.2321833	0.21216643	2.7841007	20	12 20.8	19.4
87007 2000 JF_{55}	15.5	X	214.51888	84.10641	179.44569	3.62874	0.1049171	0.27823756	2.3237650	20	—	—
87008 2000 JK_{55}	15.7	X	186.61183	192.02923	70.36296	7.18938	0.1132608	0.27429793	2.3459623	20	—	—
87009 2000 JN_{55}	15.8	X	167.89219	108.51931	201.32564	6.72612	0.2819170	0.27499968	2.3419696	20	—	—
87010 2000 JR_{55}	15.7	X	149.05906	233.54165	81.17249	6.88576	0.1205280	0.27511136	2.3413358	20	—	—
87011 2000 JQ_{56}	15.6	X	281.14575	179.53163	123.48350	4.94972	0.1658786	0.24165947	2.5527023	20	4 3.2	19.1
87012 2000 JM_{57}	15.3	X	271.36233	134.02430	173.56455	5.26884	0.2272376	0.23977910	2.5660306	20	3 19.6	19.2
87013 2000 JP_{57}	15.4	X	166.20864	150.49791	104.45572	7.17726	0.0816463	0.27014610	2.3699376	20	—	—
87014 2000 JV_{57}	15.2	X	244.76826	350.72248	214.59935	4.88686	0.1462242	0.27539606	2.3397219	20	—	—
87015 2000 JJ_{58}	15.4	X	238.17124	154.59455	103.35295	5.90117	0.0948701	0.27998552	2.3140833	20	—	—
87016 2000 JJ_{62}	15.4	X	240.31415	65.34081	229.53754	9.69302	0.1630552	0.23505821	2.6002739	20	2 5.9	19.8
87017 2000 JJ_{63}	16.2	X	175.37228	324.75296	297.24202	3.56874	0.1496792	0.27292961	2.3537967	20	—	—
87018 2000 JL_{63}	16.0	X	234.03087	30.25662	252.37751	4.90793	0.1673961	0.28304376	2.2973843	20	1 13.8	19.5
87019 2000 JY_{63}	15.7	X	329.87427	183.67536	67.72543	4.07048	0.0688636	0.24410412	2.5356306	20	4 15.6	18.6
87020 2000 JA_{64}	15.9	X	114.61413	130.45078	207.07878	3.51071	0.2092550	0.27214158	2.3583383	20	—	—
87021 2000 JR_{65}	16.0	X	199.86602	175.95174	126.74345	7.53270	0.2124856	0.27999279	2.3140433	20	1 10.4	19.9
87022 2000 JU_{65}	16.2	X	212.44886	94.20486	164.16321	9.16535	0.1479670	0.27742833	2.3282816	20	—	—
87023 2000 JC_{66}	15.7	X	256.86193	112.31171	95.74092	11.19828	0.1233501	0.27834886	2.3231455	20	—	—
87024 2000 JS_{66}	18.7	X	32.88042	84.91549	230.54674	14.43358	0.1897703	0.75303504	1.1965364	20	—	—
87025 2000 JT_{66}	18.0	X	325.46335	359.59033	120.50932	25.32346	0.4837590	0.72556564	1.2265490	20	—	—
87026 2000 JH_{76}	16.4	X	160.40511	94.58720	144.82125	1.75017	0.1857670	0.26773267	2.3841586	20	12 14.9	20.2
87027 2000 JJ_{77}	16.1	X	167.91814	194.20157	77.20108	3.56687	0.1862293	0.27230592	2.3573894	20	—	—
87028 2000 JA_{78}	15.3	X	158.15170	339.59845	312.43706	5.16460	0.1970368	0.27313795	2.3525996	20	—	—
87029 2000 JP_{81}	15.8	X	318.23902	343.14243	269.30766	3.09706	0.1598276	0.24186413	2.5512621	20	3 13.3	18.8
87030 2000 JO_{82}	15.7	X	6.79124	305.03465	41.07898	2.80332	0.2331812	0.25998294	2.4313052	20	11 26.5	18.2
87031 2000 JS_{83}	15.9	X	348.19015	20.77232	196.27133	6.65075	0.1391797	0.24231639	2.5480866	20	3 17.5	18.6
87032 2000 JE_{84}	15.9	X	109.98857	348.47478	140.99895	3.90192	0.0454808	0.29695453	2.2250652	20	5 24.0	18.5
87033 2000 KK	15.6	X	93.22693	324.20010	228.02192	8.50624	0.0407919	0.25191705	2.4829292	20	7 24.2	19.0
87034 2000 KT_1	15.6	X	127.96635	257.77994	79.07234	7.11627	0.2370411	0.27240045	2.3568440	20	—	—
87035 2000 KE_2	14.3	X	324.55073	301.68104	131.64058	22.92688	0.3424712	0.27327230	2.3518284	20	—	—
87036 2000 KW_3	15.7	X	124.92297	214.26906	133.28873	6.02955	0.1970749	0.27471796	2.3435704	20	—	—
87037 2000 KC_4	16.3	X	112.74089	267.89260	342.37734	1.13008	0.1480586	0.26186576	2.4196371	20	11 14.6	20.1
87038 2000 KU_4	15.1	X	140.73866	298.06354	82.63268	24.00943	0.2039174	0.28180036	2.3041373	20	3 4.2	19.1
87039 2000 KT_5	15.9	X	279.49092	207.97644	102.75615	4.21692	0.2006204	0.24253389	2.5465630	20	4 6.3	19.5
87040 2000 KJ_6	16.3	X	106.47297	139.09812	134.17311	2.88810	0.1821027	0.26361716	2.4089083	20	12 9.3	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
87041 2000 KV_6	16.2	X	202.98890	95.67117	186.46682	5.81245	0.1753560	0.27761018	2.3272648	20	—	—
87042 2000 KX_6	15.9	X	203.56917	134.33550	126.77451	5.63457	0.1695158	0.27560616	2.3385326	20	—	—
87043 2000 KQ_7	16.3	X	117.24975	118.23444	192.65352	2.28988	0.1758149	0.26873636	2.3782186	20	—	—
87044 2000 KC_8	15.8	X	256.92926	70.93400	205.39128	5.18917	0.1506212	0.23469601	2.6029485	20	2 2.1	19.8
87045 2000 KJ_9	15.6	X	135.13890	140.42576	221.99456	6.11916	0.2065283	0.27967742	2.3157826	20	1 22.7	18.8
87046 2000 KT_{12}	16.0	X	156.98952	141.48798	245.33724	5.47483	0.1022016	0.28736788	2.2742798	20	3 5.0	19.2
87047 2000 KZ_{16}	16.3	X	139.70645	225.30739	64.38380	3.36584	0.1854340	0.26995907	2.3710321	20	—	—
87048 2000 KT_{20}	15.3	X	269.69118	226.74916	81.50602	4.10265	0.1660533	0.24053175	2.5606749	20	3 27.6	19.0
87049 2000 KP_{21}	16.3	X	124.26510	250.46353	45.86295	2.50365	0.2017847	0.26811439	2.3818951	20	—	—
87050 2000 KS_{21}	16.5	X	172.93915	192.95621	61.78973	3.44781	0.1481672	0.27081998	2.3660046	20	—	—
87051 2000 KO_{26}	15.5	X	37.91315	53.64205	267.25172	3.53441	0.2018545	0.25876100	2.4389534	20	12 1.3	18.6
87052 2000 KG_{27}	14.8	X	163.30507	269.11665	69.82015	10.74860	0.0676582	0.23069603	2.6329502	20	1 18.9	18.7
87053 2000 KZ_{29}	14.7	X	230.46300	264.12519	74.74945	13.90461	0.2135776	0.23764377	2.5813790	20	3 29.7	19.2
87054 2000 KU_{30}	14.9	X	251.00671	3.80931	270.77257	2.83159	0.1001230	0.23391000	2.6087764	20	1 30.2	18.8
87055 2000 KP_{32}	16.1	X	122.94754	343.65417	304.98805	0.57617	0.1749342	0.26690476	2.3890863	20	—	—
87056 2000 KX_{34}	15.7	X	147.03788	98.73680	226.69908	7.48676	0.1513171	0.27515285	2.3411004	20	—	—
87057 2000 KD_{35}	15.8	X	241.02586	187.50022	113.81983	7.70335	0.1811447	0.23543620	2.5974901	20	2 18.6	20.0
87058 2000 KY_{35}	15.6	X	237.50027	134.47766	216.24196	7.43842	0.0788299	0.24259782	2.5461156	20	4 22.4	19.0
87059 2000 KZ_{36}	16.6	X	105.05935	242.04626	70.00240	0.26014	0.2122865	0.26814290	2.3817263	20	—	—
87060 2000 KF_{39}	16.3	X	140.73656	126.39069	209.18808	6.98188	0.0892430	0.22792994	2.6542091	20	—	—
87061 2000 KP_{45}	15.3	X	343.67975	106.08248	206.20266	6.33412	0.0466587	0.20386525	2.8591740	20	7 28.9	19.1
87062 2000 KC_{53}	16.3	X	136.80037	35.52494	269.38285	2.47750	0.1873006	0.27097715	2.3650896	20	—	—
87063 2000 KO_{53}	14.2	X	218.85996	88.59718	255.60534	11.16492	0.1897982	0.23736703	2.5833849	20	3 14.3	18.7
87064 2000 KW_{54}	15.5	X	266.74000	226.38242	84.37301	9.14664	0.1721703	0.24100479	2.5573231	20	3 29.7	19.4
87065 2000 KM_{56}	16.0	X	159.17555	111.08554	206.47742	5.21915	0.1699708	0.27481819	2.3430006	20	—	—
87066 2000 KP_{56}	15.4	X	330.02837	327.40426	241.32638	11.98256	0.2085409	0.23838061	2.5760568	20	1 22.6	18.7
87067 2000 KA_{57}	15.6	X	25.57681	335.50637	229.99415	1.75074	0.1285223	0.24475697	2.5311196	20	5 13.8	18.0
87068 2000 KN_{58}	15.9	X	122.55020	183.72427	127.76623	9.80724	0.2184368	0.27115124	2.3640772	20	—	—
87069 2000 KE_{59}	15.8	X	251.17897	25.62149	204.12284	5.40675	0.0618196	0.27917020	2.3185867	20	—	—
87070 2000 KP_{59}	15.2	X	260.99393	246.79233	69.80096	14.33387	0.1875772	0.24054173	2.5606040	20	4 1.3	19.3
87071 2000 KM_{61}	15.0	X	249.05945	96.83802	217.90504	13.01598	0.1182349	0.23932405	2.5692823	20	3 12.7	19.0
87072 2000 KF_{62}	15.1	X	158.34022	252.95135	109.14663	13.21683	0.2105011	0.23345030	2.6122000	20	2 24.0	19.5
87073 2000 KF_{66}	14.8	X	225.16686	168.63379	195.72123	26.81290	0.2236283	0.24029055	2.5623882	20	4 18.0	19.1
87074 2000 KC_{68}	16.2	X	170.10459	218.52906	94.40957	7.08142	0.1435031	0.27661725	2.3328306	20	—	—
87075 2000 KK_{70}	16.1	X	289.91510	69.56008	251.38680	1.59202	0.2439774	0.24466466	2.5317562	20	4 23.3	19.3
87076 2000 KL_{73}	14.6	X	137.92195	17.71270	266.61789	11.61702	0.1360671	0.21540363	2.7561364	20	—	—
87077 2000 KS_{73}	16.0	X	148.89641	147.57614	117.25757	6.04705	0.2048516	0.26962892	2.3729672	20	—	—
87078 2000 KC_{74}	15.7	X	182.51927	182.06051	97.28265	7.86581	0.1068820	0.27653631	2.3332858	20	—	—
87079 2000 KG_{75}	15.1	X	184.85529	123.30567	218.51176	13.55501	0.1359884	0.23424530	2.6062863	20	2 11.3	19.5
87080 2000 KH_{75}	16.1	X	284.61313	195.08131	146.86329	4.84735	0.1627309	0.29670553	2.2263099	20	5 29.4	18.7
87081 2000 KH_{76}	15.7	X	303.76215	183.87072	133.06270	4.79118	0.2609850	0.24533193	2.5271634	20	5 6.8	18.7
87082 2000 KU_{76}	15.9	X	272.59849	244.53053	106.64749	6.55511	0.1742896	0.29566526	2.2315289	20	5 24.2	18.6
87083 2000 KV_{76}	15.8	X	144.01481	234.22926	103.52631	7.06471	0.1417751	0.27664953	2.3326492	20	—	—
87084 2000 KY_{76}	15.2	X	274.17432	39.12078	228.23585	14.26204	0.0891509	0.23710612	2.5852797	20	2 11.4	19.1
87085 2000 KU_{78}	16.0	X	124.91052	153.75976	179.35103	4.35753	0.2433968	0.27176339	2.3605258	20	—	—
87086 2000 KZ_{81}	15.6	X	184.39193	358.58765	330.21022	3.49197	0.1039558	0.28390753	2.2927222	20	1 23.7	18.7
87087 2000 KA_{83}	16.0	X	32.11961	139.52284	179.33986	6.39203	0.1857065	0.25931645	2.4354693	20	11 20.6	19.0
87088 2000 LY	16.0	X	114.68678	125.94378	244.92914	4.00526	0.2438233	0.27658239	2.3330266	20	1 16.4	18.8
87089 2000 LF_1	15.8	X	148.23421	210.57749	118.90409	6.77907	0.2593796	0.27331214	2.3515999	20	1 3.2	19.2
87090 2000 LX_2	14.5	X	267.68663	85.42323	236.14802	23.08517	0.1492846	0.23949882	2.5680322	20	4 7.2	18.6
87091 2000 LB_3	15.0	X	107.12907	73.27366	251.35877	21.82913	0.2539198	0.26635573	2.3923682	20	—	—
87092 2000 LK_3	14.9	X	306.16265	109.74578	207.00474	10.95884	0.1983148	0.24507194	2.5289505	20	5 20.6	17.9
87093 2000 LW_6	15.1	X	128.84375	241.83947	94.87128	7.50772	0.1428259	0.27470271	2.3436572	20	—	—
87094 2000 LA_7	15.6	X	74.42417	292.72081	171.67064	4.81007	0.0728229	0.23848178	2.5753282	20	3 5.5	18.7
87095 2000 LO_7	15.1	X	300.27742	97.06937	228.63826	10.97719	0.2203585	0.24519528	2.5281023	20	5 19.3	18.1
87096 2000 LU_9	15.6	X	134.42081	342.68332	247.11244	1.31401	0.1783868	0.26223103	2.4173897	20	11 9.9	19.4
87097 Lomaki	15.3	X	23.94129	300.88141	215.25751	7.29178	0.1022116	0.23793143	2.5792979	20	2 24.6	18.2
87098 2000 LS_{10}	15.0	X	221.77458	149.38395	192.61863	12.41401	0.2930780	0.23205175	2.6226851	20	3 15.0	19.8
87099 2000 LV_{12}	15.2	X	272.02745	203.82653	110.35791	15.39058	0.0674045	0.24108055	2.5567873	20	4 26.1	19.0
87100 2000 LU_{14}	14.2	X	271.92639	19.67217	266.92455	14.10912	0.1600188	0.23437554	2.6053207	20	2 23.5	18.4
87101 2000 LD_{17}	14.3	X	276.38540	17.94561	239.45597	11.38692	0.1561912	0.23082274	2.6319865	20	1 27.4	18.5
87102 2000 LT_{17}	15.2	X	265.11314	130.51008	145.81218	13.45830	0.1978627	0.23464542	2.6033227	20	2 7.1	19.3
87103 2000 LX_{17}	15.0	X	227.60725	200.51839	114.94784	14.36008	0.1796787	0.23231589	2.6206967	20	2 25.7	19.4
87104 2000 LH_{18}	14.8	X	170.07905	195.18594	147.45201	12.84007	0.2003038	0.22669583	2.6638332	20	2 7.1	19.2
87105 2000 LX_{18}	14.8	X	129.96313	112.11889	228.78033	11.63274	0.1933099	0.22073904	2.7115437	20	—	—
87106 2000 LZ_{18}	15.8	X	104.83896	66.78315	217.58656	6.74745	0.2269251	0.26171725	2.4205523	20	12 21.8	19.9
87107 2000 LD_{20}	14.9	X	317.38016	61.02069	220.36427	5.03031	0.2642050	0.24070551	2.5594424	20	4 4.6	17.7
87108 2000 LU_{20}	14.4	X	158.66192	355.95899	262.35087	11.40051	0.1249313	0.21547412	2.7555352	20	12 28.5	18.6
87109 2000 LA_{21}	15.3	X	115.07226	75.65280	212.15813	6.18553	0.2170799	0.26251782	2.4156288	20	—	—
87110 2000 LW_{21}	14.7	X	198.29768	354.01366	263.58595	13.16811	0.1414221	0.22070359	2.7118341	20	—	—
87111 2000 LJ_{23}	15.0	X	214.76333	122.66688	209.33481	11.80229	0.1790701	0.23031029	2.6358892	20	2 27.9	19.6
87112 2000 LB_{25}	15.0	X	109.43110	155.43755	160.75215	20.19688	0.1917683	0.26410226	2.4059576	20	—	—
87113 2000 LN_{25}	15.3	X	241.42747	205.31248	88.14123	5.64013	0.1339828	0.23411496	2.6072536	20	2 12.5	19.3
87114 2000 LS_{27}	14.9	X	234.44455	242.33443	119.72453	11.54874	0.2983916	0.23447698	2.6045692	20	4 22.8	19.7
87115 2000 LR_{28}	15.1	X	282.33948	219.61044	126.22600	5.43363	0.2379929	0.23980176	2.5658689	20	5 20.5	18.7
87116 2000 LQ_{30}	14.8	X	244.00911	231.37510	126.31951	13.89416	0.1890825	0.23596571	2.5936027	20	5 4.1	19.1
87117 2000 LJ_{32}	14.8	X	55.68254	117.10479	240.73047	11.50984	0.3049398	0.20954515	2.8072708	20	—	—
87118 2000 LB_{34}	15.8	X	75.55307	145.35812	100.45119	8.10581	0.0967799	0.25880938	2.4386495	20	9 29.3	19.2
87119 2000 LC_{34}	16.5	X	240.20960	45.55751	183.76770	6.42252	0.0622051	0.27780900	2.3261542	20	—	—
87120 2000 LO_{34}	14.8	X	156.68755	220.53147	144.78989	14.40671	0.2733222	0.22472341	2.6793976	20	2 28.9	19.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
87121 2000 LG_{35}	15.6	X	279.96679	223.12622	98.65948	14.08092	0.1851703	0.24474993	2.5311682	20	4 28.0	19.3
87122 2000 LB_{36}	15.1	X	266.57302	226.91095	131.40249	11.44932	0.2488251	0.24616338	2.5214697	20	5 19.2	19.0
87123 2000 MQ_{1}	15.7	X	154.05243	102.80773	295.54164	6.47625	0.1563555	0.28142566	2.3061820	20	3 21.5	19.3
87124 2000 MQ_{1}	15.4	X	156.01714	199.43796	86.85960	8.15933	0.1699024	0.22048499	2.7136262	20	—	—
87125 2000 MS_{1}	15.2	X	87.95484	258.29005	90.46020	7.06831	0.1347385	0.26935692	2.3745644	20	—	—
87126 2000 MF_{4}	16.3	X	170.76568	45.64255	223.72941	1.81944	0.2019685	0.27040286	2.3684372	20	—	—
87127 2000 MM_{4}	14.7	X	189.90059	268.22440	85.68490	8.43892	0.1662607	0.23180153	2.6245722	20	3 11.5	19.1
87128 2000 MR_{4}	14.8	X	215.41784	288.88051	53.78331	5.79392	0.1950513	0.23355036	2.6114539	20	3 17.8	19.2
87129 2000 MB_{5}	14.6	X	309.74317	21.14900	296.70152	13.03377	0.1924564	0.24207055	2.5498115	20	5 26.8	17.7
87130 2000 NE	16.2	X	155.92128	70.23339	238.21721	1.85270	0.3173716	0.22067789	2.7120446	20	—	—
87131 2000 NU_{1}	16.0	X	209.65897	206.25359	204.46609	3.54180	0.0800646	0.24110146	2.5566394	20	6 8.9	19.8
87132 2000 NO_{4}	15.7	X	137.78914	302.71183	141.38081	8.54910	0.2312397	0.28419105	2.2911971	20	5 16.3	19.4
87133 2000 NY_{4}	15.1	X	96.96231	43.07848	299.86014	9.62058	0.1261903	0.26517611	2.3994578	20	—	—
87134 2000 NS_{5}	14.8	X	246.00499	54.42308	247.09947	9.04997	0.2982918	0.22935084	2.6432353	20	2 11.6	19.6
87135 2000 NU_{5}	14.0	X	63.61314	143.63532	280.97048	23.22092	0.2858201	0.26385327	2.4074710	20	1 11.5	15.6
87136 2000 NU_{6}	16.1	X	311.57607	233.25568	167.80082	4.72492	0.1783791	0.25227347	2.4805900	20	10 15.2	18.2
87137 2000 ND_{8}	15.7	X	246.29627	241.22037	169.80420	5.20580	0.0684024	0.24622032	2.5210809	20	7 25.4	19.1
87138 2000 NA_{11}	14.3	X	73.15071	38.42310	297.25723	6.77723	0.2265304	0.21114213	2.7930977	20	—	—
87139 2000 ND_{12}	14.7	X	116.55222	109.58185	191.73790	22.41976	0.1881380	0.26223905	2.4173404	20	—	—
87140 2000 NZ_{12}	15.8	X	243.29666	116.70408	241.05432	3.96924	0.2662280	0.23586902	2.5943115	20	4 20.6	20.3
87141 2000 ND_{13}	15.2	X	258.07934	73.18115	296.89925	14.57267	0.0806654	0.24035191	2.5619521	20	6 13.8	18.8
87142 2000 NL_{13}	14.8	X	128.93811	207.28874	143.05170	18.17250	0.2606658	0.21891641	2.7265733	20	1 17.3	19.1
87143 2000 NQ_{14}	15.0	X	337.64149	3.86819	309.94065	14.37663	0.2009522	0.24507534	2.5289271	20	7 23.1	16.9
87144 2000 NT_{14}	14.5	X	91.21427	212.87775	130.60994	12.78124	0.1530182	0.21364183	2.7712680	20	—	—
87145 2000 NC_{15}	15.4	X	175.73604	165.02717	128.95186	11.44844	0.1227760	0.22009247	2.7168517	20	—	—
87146 2000 NG_{16}	15.3	X	268.18375	252.11242	112.36859	8.33025	0.2230261	0.24001895	2.5643208	20	5 30.4	19.1
87147 2000 NM_{16}	15.3	X	325.13567	36.47296	315.25453	12.37518	0.1841866	0.24675229	2.5174562	20	8 21.9	17.4
87148 2000 NH_{17}	16.1	X	311.55027	315.49007	46.55213	3.23849	0.3142131	0.24472944	2.5313094	20	7 19.0	18.2
87149 2000 NS_{18}	15.1	X	357.81918	21.08898	10.02869	2.20691	0.1697620	0.25610749	2.4557710	20	—	—
87150 2000 NW_{18}	15.0	X	234.99334	167.15066	116.68456	13.46568	0.1475954	0.22781522	2.6551001	20	1 24.5	19.1
87151 2000 NZ_{18}	15.0	X	13.63228	223.87917	117.25759	3.81009	0.1594801	0.20314478	2.8659302	20	11 5.4	18.4
87152 2000 NF_{20}	14.8	X	268.79171	73.30205	292.48658	12.38731	0.2144057	0.24145073	2.5541733	20	5 31.8	18.5
87153 2000 NR_{20}	16.5	X	76.36292	199.59405	139.57222	3.63103	0.2090553	0.26198330	2.4189133	20	—	—
87154 2000 NB_{21}	15.3	X	177.29076	217.07642	130.25343	17.33698	0.1906073	0.22614030	2.6681940	20	2 20.4	19.8
87155 2000 NF_{21}	14.8	X	342.52889	13.69490	265.57510	11.14293	0.1648197	0.24122979	2.5557327	20	6 8.1	17.2
87156 2000 NM_{21}	15.6	X	277.51242	100.90586	205.62951	0.74214	0.2029995	0.23813181	2.5778507	20	3 27.3	19.3
87157 2000 NK_{22}	14.9	X	344.20678	13.48549	291.76254	13.33552	0.1828170	0.24408619	2.5357547	20	7 22.9	16.9
87158 2000 NP_{22}	13.9	X	204.04540	154.62558	288.08369	18.14351	0.2055496	0.24001983	2.5643145	20	7 7.4	18.2
87159 2000 NH_{23}	15.9	X	100.98433	197.32654	123.01182	7.15507	0.2175037	0.26379840	2.4078048	20	—	—
87160 2000 NK_{24}	15.3	X	89.87109	41.97522	270.26076	6.77996	0.2172477	0.21119932	2.7925934	20	—	—
87161 2000 NY_{24}	15.6	X	143.85064	178.17342	135.55826	0.88775	0.2229925	0.26896398	2.3768766	20	—	—
87162 2000 NM_{25}	15.6	X	265.07947	238.16687	102.08000	3.21048	0.1482216	0.23914062	2.5705959	20	5 4.2	19.1
87163 2000 NN_{25}	15.1	X	149.58925	200.95104	108.07144	10.46517	0.1450335	0.21967987	2.7202525	20	—	—
87164 2000 NU_{25}	15.4	X	53.53684	256.38309	98.71054	2.52584	0.2039057	0.26030631	2.4292912	20	—	—
87165 2000 NF_{27}	14.1	X	247.17852	68.72355	324.87292	6.78882	0.0951561	0.19234206	2.9722582	20	6 28.2	18.5
87166 2000 NL_{28}	15.0	X	275.68796	62.60524	276.86285	12.01073	0.1996474	0.24030964	2.5622525	20	5 4.6	18.8
87167 2000 NQ_{28}	15.2	X	61.11586	226.19051	122.55865	7.15464	0.1554766	0.26156194	2.4215104	20	—	—
87168 2000 OW	15.3	X	244.22677	48.04001	317.28529	8.69884	0.2232521	0.23777379	2.5804378	20	5 1.5	19.6
87169 2000 OP_{2}	15.5	X	179.90989	189.91572	169.13993	9.59793	0.3509120	0.22738427	2.6584537	20	3 9.8	20.6
87170 2000 OS_{3}	14.8	X	209.08162	175.00305	219.62357	4.76226	0.3067359	0.23385994	2.6091487	20	5 8.6	19.6
87171 2000 OP_{4}	15.4	X	74.61182	202.83405	163.17444	14.87328	0.2347606	0.26262985	2.4149417	20	—	—
87172 2000 OR_{4}	14.6	X	336.44983	133.91955	279.81619	8.18778	0.1775741	0.25506327	2.4624690	20	12 28.3	16.6
87173 2000 OE_{5}	14.8	X	251.84079	174.27971	165.80688	13.81053	0.1688727	0.23535236	2.5981068	20	4 19.2	18.9
87174 2000 OF_{5}	15.1	X	77.03183	131.81566	167.43940	7.43016	0.1196197	0.25671186	2.4519151	20	12 8.2	18.7
87175 2000 OY_{5}	14.9	X	295.75698	26.97440	306.28551	12.46289	0.1783977	0.23964654	2.5669768	20	5 28.3	18.3
87176 2000 OZ_{5}	13.8	X	242.58039	57.82943	315.91107	12.78565	0.2032312	0.23593940	2.5937955	20	5 11.9	18.1
87177 2000 OJ_{6}	15.2	X	355.65234	95.50941	267.57940	5.23178	0.1496873	0.25427564	2.4675514	20	11 15.6	17.8
87178 2000 OZ_{6}	14.6	X	271.28867	339.61480	341.51507	13.25804	0.1658539	0.23329028	2.6133944	20	4 7.6	18.6
87179 2000 ON_{7}	14.6	X	304.64934	44.34596	309.64656	13.04004	0.3150477	0.24168532	2.5525203	20	6 20.9	17.3
87180 2000 OT_{7}	14.6	X	237.00144	108.98418	303.70362	13.18662	0.1812571	0.23986136	2.5654439	20	7 3.6	18.5
87181 2000 OC_{8}	14.9	X	337.91766	24.87780	279.60347	11.87427	0.1722125	0.24173128	2.5521967	20	7 7.6	17.2
87182 2000 OB_{9}	14.7	X	214.40062	238.53355	164.19239	30.92200	0.3075446	0.23214791	2.6219608	20	5 26.7	20.1
87183 2000 OX_{9}	15.1	X	186.37236	117.50075	132.21608	5.48615	0.1936236	0.26993093	2.3711969	20	—	—
87184 2000 OC_{10}	15.4	X	210.26331	80.35551	260.88315	0.55447	0.2196733	0.23200508	2.6230368	20	3 8.6	19.9
87185 2000 OP_{12}	15.4	X	101.83982	138.59203	193.65833	2.28699	0.1801744	0.26532599	2.3985541	20	—	—
87186 2000 OG_{13}	15.5	X	155.26517	8.87598	288.34542	2.65419	0.0955134	0.21952098	2.7215649	20	—	—
87187 2000 OQ_{13}	15.7	X	325.69836	145.13347	156.29721	4.08364	0.1753712	0.24355332	2.5394520	20	6 6.5	18.2
87188 2000 OL_{14}	15.0	X	72.47736	235.40031	148.62654	5.30111	0.1234084	0.21782817	2.7356468	20	—	—
87189 2000 OM_{14}	16.5	X	49.22539	163.32493	175.22748	2.15419	0.2268761	0.25813487	2.4428958	20	—	—
87190 2000 OR_{14}	15.4	X	110.02733	170.84408	131.77103	3.61131	0.0630429	0.21362663	2.7713994	20	—	—
87191 2000 OM_{15}	15.1	X	113.03639	163.26481	120.89803	4.61283	0.1560153	0.21201578	2.7854193	20	12 17.9	19.5
87192 2000 OG_{17}	15.6	X	29.16863	6.11910	355.03283	1.78954	0.2268403	0.25685020	2.4510346	20	—	—
87193 2000 OS_{17}	14.3	X	348.52158	231.57993	319.10948	14.04317	0.1225417	0.23191092	2.6237468	20	2 13.8	17.2
87194 2000 OK_{18}	15.4	X	310.92914	179.86722	129.76410	7.37058	0.2557642	0.24150422	2.5537962	20	5 10.1	18.4
87195 2000 OW_{18}	15.6	X	99.24011	249.02471	129.27175	4.55400	0.1395407	0.26950334	2.3737043	20	—	—
87196 2000 OG_{20}	15.3	X	254.67246	148.52122	256.23149	5.22303	0.2844145	0.24120503	2.5559075	20	6 28.3	19.3
87197 2000 OE_{22}	15.0	X	89.14098	113.72103	292.60427	21.35338	0.2756064	0.26942558	2.3741610	20	1 30.9	17.6
87198 2000 OQ_{22}	14.5	X	291.12793	13.30848	5.19753	11.28273	0.2117120	0.24037012	2.5618227	20	7 25.9	17.6
87199 2000 OD_{24}	15.6	X	87.21892	243.31023	97.14725	3.16741	0.2303478	0.26401728	2.4064738	20	—	—
87200 2000 OV_{24}	15.3	X	263.89865	277.17845	51.58887	2.83686	0.3029575	0.23800243	2.5787849	20	4 1.1	19.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
87201 2000 OO_{25}	15.3	X	64.72145	25.47309	331.84877	3.77406	0.0780429	0.26422203	2.4052305	20	—	—
87202 2000 OV_{25}	15.0	X	51.38802	222.93828	107.95424	5.18933	0.2184808	0.25811779	2.4430035	20	12 30.7	18.5
87203 2000 OL_{26}	15.5	X	71.57545	289.18102	90.30627	2.43485	0.1860752	0.26583470	2.3954932	20	—	—
87204 2000 OL_{29}	15.3	X	24.84722	98.80705	257.09798	7.83437	0.1690578	0.25667303	2.4521623	20	12 25.0	18.4
87205 2000 OB_{30}	15.6	X	11.97900	100.84268	274.23952	8.89486	0.2851686	0.25523856	2.4613414	20	—	—
87206 2000 ON_{31}	14.4	X	144.21201	121.36480	289.74245	11.80372	0.1553267	0.22968596	2.6406636	20	3 27.9	18.8
87207 2000 OO_{32}	15.2	X	142.38532	102.73530	218.90546	3.08773	0.1951636	0.21866811	2.7286369	20	—	—
87208 2000 OQ_{32}	15.7	X	320.19037	68.37995	269.24175	4.24863	0.2867296	0.24468090	2.5316442	20	7 3.9	17.5
87209 2000 OW_{32}	15.5	X	359.29840	345.00678	294.16626	9.42859	0.1243414	0.24370731	2.5383822	20	7 14.7	17.9
87210 2000 OS_{35}	15.1	X	85.27609	337.45135	19.31132	8.73390	0.1766335	0.26180117	2.4200351	20	—	—
87211 2000 OP_{36}	14.5	X	145.80409	101.60786	254.48167	13.74052	0.1275250	0.22426917	2.6830144	20	1 22.5	18.6
87212 2000 OQ_{36}	15.6	X	314.59296	91.79783	247.13930	7.10350	0.1879118	0.24456079	2.5324731	20	7 8.9	18.2
87213 2000 OT_{36}	14.4	X	282.19076	114.00421	246.41103	9.07374	0.1578305	0.19241883	2.9714676	20	6 19.1	18.5
87214 2000 OX_{36}	15.6	X	241.02098	167.78271	234.43064	7.70708	0.1523995	0.24129070	2.5553025	20	6 25.6	19.4
87215 2000 OM_{37}	14.1	X	161.54354	89.59032	237.13115	9.77748	0.0661379	0.22309798	2.6923961	20	—	—
87216 2000 OG_{38}	14.3	X	276.49403	149.09066	243.43550	12.31241	0.1402330	0.19522833	2.9428908	20	7 23.1	18.5
87217 2000 OO_{38}	15.1	X	76.46182	134.71131	215.29526	8.23200	0.2276289	0.21194641	2.7860271	20	—	—
87218 2000 OS_{38}	14.7	X	201.25198	178.28957	235.23118	13.06842	0.1266598	0.23746781	2.5826540	20	5 31.7	18.6
87219 2000 OH_{39}	15.4	X	290.51877	87.71622	258.24980	10.87568	0.1624697	0.24128252	2.5553603	20	6 11.8	18.3
87220 2000 OK_{40}	15.4	X	219.59407	4.26023	260.80063	12.35629	0.1386100	0.22414535	2.6840023	20	—	—
87221 2000 OQ_{40}	15.6	X	259.88730	185.02822	200.49242	8.43499	0.2546613	0.23994986	2.5648130	20	6 12.6	19.5
87222 2000 OV_{40}	14.1	X	141.44085	138.49523	245.38617	5.22811	0.1569562	0.17515651	3.1636265	20	2 29.7	19.2
87223 2000 OD_{41}	14.8	X	305.11777	158.91260	261.69162	5.23184	0.1085008	0.25248118	2.4792294	20	11 2.3	17.4
87224 2000 OG_{41}	14.6	X	197.02220	155.07403	265.97022	11.95009	0.2640636	0.23641736	2.5902985	20	6 1.9	19.1
87225 2000 OP_{41}	14.8	X	333.80068	83.89988	249.94645	9.38341	0.1324536	0.19635449	2.9316277	20	8 6.2	18.4
87226 2000 OY_{41}	15.2	X	167.07026	194.47523	181.83655	15.01211	0.2002246	0.22752506	2.6573569	20	3 15.3	19.6
87227 2000 OC_{42}	16.1	X	245.10691	108.34130	200.15069	4.23338	0.3060128	0.23171144	2.6252524	20	2 20.8	20.9
87228 2000 OD_{42}	13.4	X	191.60707	146.33296	293.31691	9.67116	0.0417888	0.18986115	2.9980945	20	6 26.9	17.8
87229 2000 OO_{42}	15.0	X	321.90388	69.15541	240.32629	4.63134	0.1562163	0.24161220	2.5530352	20	6 13.4	17.5
87230 2000 OZ_{42}	15.6	X	301.78133	55.02118	314.64899	13.76586	0.1933277	0.24438329	2.5336991	20	8 1.3	18.0
87231 2000 OB_{43}	14.5	X	204.58946	83.53747	308.95176	11.77078	0.2036875	0.23320976	2.6139959	20	4 30.8	19.2
87232 2000 OC_{43}	15.7	X	67.92776	139.42034	165.65213	9.77373	0.2390755	0.25639626	2.4539267	20	12 16.9	19.8
87233 2000 OE_{43}	15.0	X	135.03639	143.91240	169.77590	9.48529	0.2053921	0.21598427	2.7511945	20	—	—
87234 2000 OX_{43}	14.7	X	287.10204	72.67142	308.56767	12.76955	0.1895920	0.24289590	2.5440322	20	7 23.9	17.5
87235 2000 OM_{44}	13.1	X	191.01855	139.73141	316.87034	12.69804	0.1270595	0.23937055	2.5689495	20	7 18.1	17.1
87236 2000 OO_{44}	15.7	X	271.87901	124.92164	226.81937	4.18221	0.2723166	0.23811644	2.5779617	20	5 9.8	19.6
87237 2000 OP_{44}	14.8	X	350.76394	353.05205	306.80433	12.06947	0.2277574	0.24418288	2.5350853	20	8 1.6	16.4
87238 2000 OA_{45}	15.0	X	303.03516	79.37571	247.34799	4.16181	0.2369528	0.23985261	2.5655063	20	5 21.9	17.7
87239 2000 OH_{45}	14.5	X	163.91929	149.07645	266.20050	11.54924	0.2779970	0.22930157	2.6436139	20	4 29.5	19.4
87240 2000 OJ_{45}	14.5	X	210.55943	136.74249	176.21385	13.03379	0.2576579	0.22700272	2.6614318	20	2 3.1	19.4
87241 2000 OL_{45}	14.5	X	180.01556	45.13322	276.78140	11.02612	0.1748408	0.22297081	2.6934197	20	1 20.3	19.0
87242 2000 OU_{45}	14.5	X	170.34521	158.96337	207.75503	4.64528	0.1872575	0.17669397	3.1452481	20	3 8.9	19.8
87243 2000 OV_{45}	15.2	X	308.83149	121.07179	180.58836	15.34444	0.2645374	0.23943314	2.5685018	20	4 23.4	18.3
87244 2000 OT_{46}	15.2	X	251.80985	177.11880	165.40240	14.32971	0.2589853	0.23419552	2.6066556	20	4 13.7	19.6
87245 2000 OX_{46}	15.2	X	353.16358	332.70574	340.39309	6.02414	0.2136674	0.24521759	2.5279489	20	8 31.0	16.9
87246 2000 OA_{47}	15.1	X	39.18808	25.95042	345.50978	13.39190	0.1960829	0.25680781	2.4513043	20	—	—
87247 2000 OB_{47}	15.7	X	292.96036	326.24890	357.21925	5.53682	0.3217454	0.23879834	2.5730517	20	4 18.0	19.4
87248 2000 OQ_{47}	13.9	X	229.45587	51.94097	345.00641	15.00298	0.1358173	0.23554828	2.5966660	20	6 5.8	18.2
87249 2000 OR_{47}	14.3	X	327.71569	339.42833	342.29390	15.67025	0.2373259	0.24232849	2.5480018	20	7 9.6	16.8
87250 2000 OX_{47}	15.0	X	312.46739	341.88792	339.82425	3.44686	0.3041739	0.24074139	2.5591881	20	5 17.5	17.7
87251 2000 OV_{49}	14.5	X	184.79233	231.04784	127.67555	9.67343	0.1854669	0.22509335	2.6764611	20	3 12.3	19.0
87252 2000 OM_{50}	14.8	X	237.28880	31.90769	349.84679	11.99886	0.3048405	0.23453697	2.6041251	20	5 8.9	19.6
87253 2000 OT_{50}	15.5	X	281.17796	297.94762	68.90004	4.98660	0.2817494	0.23940014	2.5687378	20	6 8.1	19.0
87254 2000 OY_{52}	15.1	X	175.27050	293.08555	121.72454	2.76361	0.1979276	0.22913820	2.6448704	20	5 9.4	19.6
87255 2000 OB_{53}	14.4	X	267.47684	73.72310	281.98554	12.92861	0.0777519	0.19083504	2.9878856	20	6 5.9	18.7
87256 2000 ON_{53}	14.9	X	267.27598	19.15284	271.96399	11.62255	0.1643850	0.23120439	2.6290893	20	2 25.4	19.1
87257 2000 OO_{53}	14.2	X	245.92793	151.92475	284.30412	12.34834	0.1380498	0.24395649	2.5366534	20	8 14.5	17.9
87258 2000 OP_{53}	14.5	X	195.25938	50.69105	299.23715	13.60408	0.1451893	0.22727054	2.6593406	20	3 1.4	19.1
87259 2000 OW_{53}	15.3	X	171.27832	9.91670	319.32821	11.48861	0.0972369	0.21956859	2.7211715	20	1 19.9	19.4
87260 2000 ON_{54}	15.8	X	289.23489	187.41952	137.27390	5.00960	0.1061335	0.24104916	2.5570092	20	5 21.6	19.0
87261 2000 OQ_{55}	15.6	X	259.62223	193.58604	160.61644	4.65189	0.1672927	0.23939832	2.5687508	20	5 14.1	19.3
87262 2000 OC_{56}	15.2	X	244.05798	239.13743	122.39629	4.46198	0.1013234	0.23843602	2.5756576	20	5 13.8	18.8
87263 2000 OB_{57}	15.4	X	258.14811	64.04575	359.17537	2.97583	0.1064589	0.24776158	2.5106147	20	8 23.7	18.5
87264 2000 OY_{57}	15.7	X	72.63695	286.23609	120.71232	7.33474	0.1129021	0.26954978	2.3734316	20	—	—
87265 2000 OL_{58}	14.9	X	107.33621	46.92368	328.68761	5.07769	0.2491083	0.26842468	2.3800591	20	1 17.1	17.7
87266 2000 OK_{59}	16.8	X	328.89381	169.77671	161.95401	2.75463	0.2534699	0.24559157	2.5253820	20	7 23.4	18.4
87267 2000 OM_{59}	15.9	X	284.39229	229.36070	141.83563	6.33327	0.0977284	0.24398589	2.5364496	20	7 19.1	19.1
87268 2000 OR_{59}	15.8	X	295.60188	42.01522	291.37368	4.71161	0.1807424	0.24113489	2.5564032	20	5 28.9	19.0
87269 2000 OO_{67}	9.2	X	0.40453	212.35771	142.20719	20.07259	0.9633681	0.00007320	565.9625920	20	11 26.6	23.9
87270 2000 OR_{69}	14.5	X	239.67487	274.10266	134.34234	9.83614	0.1033085	0.19279337	2.9676179	20	7 6.6	18.9
87271 Kokubunji	15.5	X	260.29952	12.37266	337.60846	5.68131	0.1310296	0.23880136	2.5730300	20	5 10.4	19.3
87272 2000 PL_{4}	15.0	X	48.02434	30.58038	316.07752	2.28619	0.1139595	0.20927629	2.8096746	20	12 22.3	18.9
87273 2000 PP_{7}	15.2	X	301.56717	300.64387	42.85502	12.19407	0.3452549	0.24077796	2.5589289	20	5 22.7	18.2
87274 2000 PB_{8}	14.3	X	201.21066	82.26593	332.41698	13.45852	0.1862295	0.23425287	2.6062302	20	5 28.1	18.9
87275 2000 PZ_{8}	14.9	X	14.20560	56.23344	261.07737	12.45689	0.1207230	0.25147199	2.4858580	20	10 2.2	18.0
87276 2000 PE_{9}	14.0	X	221.54310	261.76579	4.68175	23.31385	0.1184498	0.17526513	3.1623192	20	1 2.2	19.4
87277 2000 PR_{11}	15.4	X	228.34200	241.72043	104.66847	14.19268	0.1870732	0.23129060	2.6284360	20	4 7.4	19.9
87278 2000 PT_{11}	14.6	X	143.94242	211.50252	92.01373	11.16627	0.2704192	0.21587242	2.7521447	20	—	—
87279 2000 PX_{11}	15.0	X	233.21216	273.81770	123.66509	16.07103	0.1976905	0.23625649	2.5914742	20	6 9.6	19.4
87280 2000 PF_{12}	14.9	X	272.41541	185.58133	100.63089	14.39253	0.2346089	0.23163098	2.6258603	20	2 27.7	19.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
87281 2000 PV_{12}	14.0	X	157.85926	111.59827	302.62447	13.47164	0.1914263	0.22645513	2.6657205	20	4 16.0	18.7
87282 2000 PW_{12}	13.8	X	288.44747	62.68654	267.43420	12.45664	0.1577610	0.18644178	3.0346403	20	5 17.9	18.1
87283 2000 PX_{12}	14.8	X	63.27009	100.21844	293.84173	13.07666	0.1792523	0.21122912	2.7923307	20	—	—
87284 2000 PE_{14}	15.7	X	225.00168	265.48373	350.55079	1.43600	0.1464243	0.22474487	2.6792271	20	—	—
87285 2000 PT_{14}	15.4	X	153.11532	207.23965	112.68637	3.72337	0.0879781	0.22152741	2.7051067	20	—	—
87286 2000 PW_{14}	15.8	X	89.71803	213.10168	119.53649	7.52524	0.1026542	0.26381949	2.4076765	20	—	—
87287 2000 PR_{16}	15.9	X	104.02242	194.53148	145.01828	8.26561	0.1041769	0.26595919	2.3947456	20	—	—
87288 2000 PY_{16}	16.0	X	65.92772	239.97882	152.79527	2.94774	0.2149539	0.26544627	2.3978295	20	—	—
87289 2000 PC_{17}	14.8	X	157.64472	32.93264	152.16623	2.57286	0.0089091	0.20314494	2.8659287	20	10 1.4	18.7
87290 2000 PF_{18}	15.2	X	203.01671	60.50510	331.76300	1.45441	0.2098403	0.23475179	2.6025362	20	5 3.1	19.5
87291 2000 PG_{18}	15.1	X	353.49114	223.75863	121.86389	2.53518	0.1790626	0.20100716	2.8862129	20	10 8.0	18.0
87292 2000 PZ_{19}	15.7	X	69.64402	295.46964	71.17508	5.19940	0.2164175	0.26193051	2.4192383	20	—	—
87293 2000 PK_{20}	15.7	X	330.47843	267.08607	41.06166	3.64496	0.1410806	0.24269341	2.5454470	20	6 30.6	18.1
87294 2000 PR_{20}	15.4	X	328.27292	250.65345	48.02638	5.91404	0.1714858	0.24167529	2.5525909	20	6 6.7	17.9
87295 2000 PT_{20}	15.5	X	272.63677	302.97391	76.12795	7.16199	0.1415657	0.24186442	2.5512600	20	7 6.4	18.8
87296 2000 PK_{23}	14.7	X	321.87647	67.86229	283.25713	0.91584	0.1133582	0.19672227	2.9279728	20	8 14.4	18.1
87297 2000 PL_{23}	15.4	X	306.60845	281.93188	322.42192	10.75824	0.1300266	0.23227530	2.6210021	20	2 21.5	18.7
87298 2000 PA_{24}	16.3	X	297.06606	137.18844	205.35805	1.09651	0.2231386	0.24209813	2.5496179	20	6 6.9	19.3
87299 2000 PU_{24}	13.4	X	120.84109	258.27905	161.42782	15.91115	0.2400974	0.17319378	3.1874828	20	4 5.6	18.6
87300 2000 PF_{25}	15.6	X	298.13574	190.68122	121.77785	5.56340	0.2206204	0.23677343	2.5877009	20	4 29.9	19.0
87301 2000 PT_{25}	14.7	X	293.05792	120.30674	257.01784	14.33452	0.1212732	0.24355631	2.5394312	20	8 1.6	17.9
87302 2000 PV_{25}	14.4	X	214.41193	173.71689	249.10208	11.23854	0.1093950	0.23810635	2.5780345	20	6 27.1	18.3
87303 2000 PJ_{26}	13.8	X	172.98338	70.87619	301.13512	12.36427	0.2835072	0.17473234	3.1687443	20	3 15.2	19.6
87304 2000 PY_{26}	15.5	X	15.12490	97.94532	255.32414	4.30674	0.2263722	0.25243298	2.4795450	20	12 16.3	18.4
87305 2000 PB_{27}	14.1	X	19.55232	173.03456	331.73862	11.06511	0.1431673	0.22352360	2.6889772	20	2 7.8	16.9
87306 2000 PR_{27}	13.3	X	149.50929	45.82598	271.42704	34.27737	0.2077359	0.21507051	2.7589816	20	—	—
87307 2000 PA_{28}	15.0	X	48.06471	5.27290	351.42825	9.55180	0.2240156	0.25882601	2.4385450	20	—	—
87308 2000 PY_{28}	14.5	X	217.91714	43.28749	4.20348	12.91763	0.1960094	0.23770600	2.5809284	20	6 2.7	18.9
87309 2000 QP	17.6	X	7.89478	188.15664	294.28145	34.74596	0.4631888	1.26334430	0.8474646	20	—	—
87310 2000 QE_{1}	15.5	X	272.44411	11.32451	345.44455	8.51873	0.2582141	0.23905525	2.5712079	20	5 15.9	19.4
87311 2000 QJ_{1}	16.4	X	66.34135	343.44394	191.45676	7.69149	0.5122338	0.49141177	1.5903975	20	8 14.0	18.6
87312 Akirasuzuki	13.4	X	137.60864	116.38247	348.77243	13.10233	0.1458659	0.23700465	2.5860176	20	6 1.1	17.6
87313 2000 QB_{3}	15.3	X	288.62500	31.24123	354.88561	3.44745	0.1710201	0.24387462	2.5372211	20	8 6.2	18.2
87314 2000 QJ_{3}	15.5	X	11.15815	56.54889	336.73797	6.71268	0.1753846	0.25624029	2.4549224	20	—	—
87315 2000 QV_{4}	15.5	X	327.07663	340.32044	315.54708	1.91162	0.1720413	0.24009986	2.5637447	20	5 31.0	17.8
87316 2000 QL_{5}	14.7	X	159.50423	77.92778	348.95122	5.26617	0.1574010	0.23026986	2.6361978	20	5 6.3	19.0
87317 2000 QM_{5}	15.3	X	181.53697	54.22221	352.94126	2.44347	0.1545641	0.23106102	2.6301767	20	5 3.2	19.4
87318 2000 QS_{8}	15.3	X	129.32591	165.80542	162.05467	8.69473	0.1969568	0.21657578	2.7461829	20	—	—
87319 2000 QD_{9}	14.5	X	268.77090	86.57643	315.18300	12.49303	0.1430338	0.24221151	2.5488221	20	8 1.9	17.6
87320 2000 QX_{9}	14.7	X	213.90997	38.91984	327.17981	0.93217	0.3144793	0.18405169	3.0608556	20	4 8.9	20.3
87321 2000 QA_{10}	16.3	X	87.93511	51.30157	303.74612	1.84603	0.2347090	0.21489989	2.7604417	20	—	—
87322 2000 QX_{10}	15.4	X	345.48576	347.19706	316.80158	11.64716	0.1428568	0.24554622	2.5256929	20	7 27.1	17.8
87323 2000 QB_{11}	15.2	X	21.66430	67.57437	308.87740	4.69622	0.1280186	0.25847996	2.4407210	20	—	—
87324 2000 QH_{11}	15.9	X	359.46111	24.82074	308.95309	4.54154	0.1538615	0.25048871	2.4923591	20	10 8.2	18.3
87325 2000 QM_{11}	15.8	X	271.25975	57.56813	319.05293	7.02000	0.2126592	0.24193935	2.5507332	20	6 19.8	19.4
87326 2000 QV_{13}	15.9	X	312.33416	148.71978	135.19188	8.22290	0.1014923	0.23909658	2.5709116	20	5 1.9	19.1
87327 2000 QZ_{16}	15.2	X	168.09553	141.63615	277.32867	2.72944	0.1138666	0.23319599	2.6140988	20	5 3.9	19.1
87328 2000 QC_{17}	15.8	X	25.97635	35.44384	294.97598	2.78568	0.0887930	0.25291534	2.4763913	20	11 8.5	18.7
87329 2000 QO_{17}	15.0	X	326.82566	346.02198	349.73153	1.17713	0.1212510	0.19514289	2.9437498	20	8 1.2	18.3
87330 2000 QJ_{18}	15.8	X	351.13409	309.96277	309.12454	4.09860	0.1534088	0.24007590	2.5639153	20	5 25.5	18.2
87331 2000 QX_{18}	15.8	X	234.92268	226.96537	135.76272	5.75960	0.1001668	0.23536540	2.5980109	20	5 5.8	19.6
87332 2000 QF_{19}	15.6	X	46.44076	135.18658	154.28791	1.23019	0.0823304	0.20047840	2.8912856	20	10 3.7	19.4
87333 2000 QB_{20}	14.6	X	183.31324	254.42332	159.87222	15.62498	0.1149294	0.18319061	3.0704397	20	5 18.9	19.7
87334 2000 QK_{20}	15.8	X	216.77034	218.97985	165.40211	2.21150	0.2011044	0.23358211	2.6112172	20	5 6.6	20.1
87335 2000 QB_{21}	15.2	X	331.09486	71.07555	173.81475	11.74792	0.2333224	0.23497202	2.6009097	20	3 14.5	17.8
87336 2000 QA_{22}	14.7	X	208.70788	220.87928	139.93812	10.65491	0.0189637	0.18296427	3.0729715	20	4 13.0	19.2
87337 2000 QE_{22}	15.2	X	249.52017	203.22544	166.06592	16.30551	0.2265521	0.23600797	2.5932931	20	5 18.5	19.6
87338 2000 QP_{22}	14.5	X	191.42492	349.32601	7.48136	3.14576	0.1810013	0.22831238	2.6512443	20	3 12.9	18.7
87339 2000 QQ_{22}	16.1	X	316.63185	214.49194	90.23915	1.51300	0.3075913	0.24142956	2.5543226	20	4 30.9	18.9
87340 2000 QB_{23}	14.2	X	105.12157	205.02398	324.34796	13.66716	0.1095104	0.24102628	2.5571711	20	7 22.0	17.9
87341 2000 QF_{23}	15.4	X	57.76058	38.31952	284.17015	5.17988	0.0858030	0.25566390	2.4586108	20	12 10.6	18.6
87342 2000 QR_{23}	15.6	X	321.66887	266.21233	16.39208	4.90143	0.2550259	0.23979372	2.5659263	20	4 16.2	18.2
87343 2000 QH_{25}	15.5	X	228.49833	137.88133	358.87478	22.86418	0.0861450	0.40025503	1.8235241	20	11 21.6	17.7
87344 2000 QM_{25}	14.8	X	188.02539	19.84710	345.22701	28.90937	0.0817385	0.22935841	2.6431771	20	3 13.2	18.8
87345 2000 QX_{25}	14.4	X	185.61208	308.13078	140.72604	29.01058	0.1703964	0.23561505	2.5961754	20	7 2.3	19.0
87346 2000 QZ_{27}	15.2	X	151.05311	33.77506	350.58574	14.28810	0.1260519	0.22481411	2.6786769	20	3 6.9	19.2
87347 2000 QR_{28}	14.6	X	166.82151	107.51214	352.68368	12.30008	0.1417921	0.23613582	2.5923570	20	6 27.4	18.9
87348 2000 QR_{29}	14.6	X	252.21130	321.57691	42.47157	2.78720	0.1036852	0.18580725	3.0415452	20	5 25.3	19.0
87349 2000 QU_{29}	14.6	X	264.74642	259.15044	102.15910	2.67031	0.1959121	0.18784020	3.0195602	20	5 25.1	19.0
87350 2000 QW_{29}	15.1	X	136.59703	296.44354	20.20872	4.11607	0.2210076	0.26579725	2.3957182	20	—	—
87351 2000 QE_{31}	15.2	X	339.83146	286.51780	3.41626	9.78641	0.0560153	0.24112121	2.5564999	20	6 26.3	18.4
87352 2000 QJ_{32}	14.8	X	236.32390	230.63274	90.04544	12.47527	0.1293798	0.23098590	2.6307469	20	3 17.1	19.1
87353 2000 QQ_{32}	15.1	X	223.68204	243.28699	129.23621	14.09726	0.1935640	0.23408787	2.6074547	20	5 3.4	19.6
87354 2000 QR_{33}	15.3	X	115.90784	205.24987	124.11285	17.62128	0.2444283	0.21296784	2.7771118	20	—	—
87355 2000 QC_{36}	15.2	X	154.85937	170.49040	241.53844	2.22214	0.0457456	0.23281430	2.6169551	20	4 6.2	18.8
87356 2000 QU_{36}	14.7	X	259.98251	203.14529	176.70191	3.82985	0.0901416	0.19184073	2.9774342	20	6 25.9	18.9
87357 2000 QN_{37}	15.7	X	350.18478	232.83561	177.54519	2.24938	0.1693103	0.25739774	2.4475575	20	—	—
87358 2000 QZ_{37}	15.6	X	171.42581	229.93288	176.93440	2.86817	0.1615304	0.23185092	2.6241994	20	4 25.1	19.8
87359 2000 QQ_{39}	15.7	X	306.56662	222.57360	150.69354	8.85884	0.1842429	0.24604457	2.5222813	20	8 17.0	18.2
87360 2000 QK_{42}	14.7	X	93.45618	198.41974	327.00219	13.89153	0.0431306	0.23939007	2.5688099	20	6 20.5	18.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
87361 2000 QK_{43}	15.5	X	46.31238	122.37155	199.00374	1.44841	0.0767010	0.20462966	2.8520490	20	11 12.8	19.3
87362 2000 QS_{45}	14.2	X	94.41950	213.67580	186.38941	1.87989	0.2645524	0.16867062	3.2442160	20	2 16.3	18.8
87363 2000 QX_{45}	15.6	X	181.61468	165.25368	187.60111	2.25806	0.0942422	0.22685169	2.6626130	20	2 25.0	19.6
87364 2000 QA_{46}	15.5	X	359.40129	100.31569	219.86640	1.26481	0.0860646	0.19772015	2.9181129	20	9 3.9	19.1
87365 2000 QL_{46}	15.8	X	88.16168	127.13242	158.90889	1.27417	0.1652740	0.25688031	2.4508431	20	12 6.1	19.6
87366 2000 QA_{47}	16.6	X	270.78241	242.65331	110.39381	1.77289	0.1794836	0.23896555	2.5718513	20	5 23.1	20.0
87367 2000 QK_{47}	16.3	X	12.30497	210.25776	149.46477	5.08979	0.2629136	0.25303783	2.4755921	20	12 26.9	19.3
87368 2000 QT_{48}	15.6	X	292.76230	92.21012	163.74441	4.61378	0.2362612	0.23246542	2.6195728	20	2 5.3	19.4
87369 2000 QB_{49}	15.9	X	258.53847	190.53221	156.71463	5.07176	0.2423289	0.23654921	2.5893358	20	4 25.9	19.9
87370 2000 QY_{50}	14.8	X	265.47316	2.58734	341.67063	13.44800	0.1912991	0.23713502	2.5850696	20	4 27.0	18.9
87371 2000 QD_{52}	15.9	X	269.38356	238.26809	159.11986	3.22907	0.1503736	0.24337409	2.5406987	20	7 25.3	19.1
87372 2000 QP_{53}	15.5	X	82.40247	322.17230	53.14938	2.32484	0.1855818	0.26474289	2.4020747	20	—	—
87373 2000 QN_{54}	15.2	X	178.72808	243.44153	105.37297	3.16552	0.2962402	0.22527798	2.6749986	20	2 26.2	20.0
87374 2000 QY_{54}	15.1	X	108.55970	282.73328	45.91338	3.23228	0.1817296	0.21380498	2.7698580	20	—	—
87375 2000 QN_{55}	13.9	X	38.79872	347.25784	64.45823	2.43101	0.1826130	0.16316457	3.3167964	20	—	—
87376 2000 QN_{57}	14.8	X	64.64902	301.34079	128.82271	11.74702	0.2153281	0.27009184	2.3702550	20	1 12.5	16.5
87377 2000 QS_{58}	14.8	X	255.30651	264.40875	94.51320	5.94307	0.1442609	0.23777977	2.5803945	20	5 18.2	18.5
87378 2000 QQ_{59}	16.1	X	32.75262	239.56894	118.25935	4.97037	0.1907959	0.25605877	2.4560825	20	—	—
87379 2000 QU_{59}	15.4	X	43.76188	265.39865	4.84627	1.51418	0.0852169	0.19829868	2.9124345	20	9 4.9	19.2
87380 2000 QJ_{60}	14.2	X	73.13643	94.46259	2.57622	15.14483	0.0893196	0.22615739	2.6680596	20	3 2.3	17.6
87381 2000 QE_{62}	15.6	X	281.87479	205.51597	121.53354	8.92121	0.2056313	0.23732481	2.5836913	20	5 1.9	19.3
87382 2000 QF_{62}	15.6	X	304.12959	242.03009	74.08367	6.03803	0.2122535	0.23938174	2.5688695	20	5 13.9	18.5
87383 2000 QU_{62}	15.2	X	131.83370	232.50684	150.32102	15.44225	0.0928181	0.22192689	2.7018595	20	2 8.5	19.1
87384 2000 QT_{63}	15.3	X	266.12203	293.00295	27.70367	6.03685	0.2163978	0.23435302	2.6054876	20	4 2.0	19.1
87385 2000 QV_{63}	15.0	X	196.58564	329.15759	90.65304	5.72776	0.2319183	0.23336876	2.6128084	20	6 1.4	19.4
87386 2000 QG_{65}	15.4	X	343.07549	295.24872	35.54936	8.60593	0.2699216	0.24586555	2.5235055	20	9 12.1	17.0
87387 2000 QW_{65}	14.8	X	114.34395	317.99266	138.74538	12.13512	0.1525472	0.22722357	2.6597070	20	5 4.4	18.9
87388 2000 QL_{66}	14.6	X	242.05947	208.65284	126.27876	15.14586	0.1078682	0.18133190	3.0913861	20	4 14.4	19.5
87389 2000 QT_{66}	15.5	X	204.14316	247.40251	135.01898	7.03080	0.2194614	0.23140443	2.6275739	20	4 25.2	20.0
87390 2000 QN_{67}	14.8	X	175.93797	336.85506	51.20142	12.43819	0.1632655	0.17777583	3.1324747	20	4 11.7	20.0
87391 2000 QY_{67}	15.7	X	228.28778	224.30109	89.78201	3.98194	0.2105182	0.22824048	2.6518011	20	2 22.1	20.1
87392 2000 QB_{69}	14.8	X	175.99625	272.69971	157.79114	14.54519	0.1350644	0.23354617	2.6114851	20	5 30.9	19.2
87393 2000 QA_{71}	15.2	X	83.70576	237.48880	92.84239	10.18569	0.1557973	0.20891221	2.8129380	20	—	—
87394 2000 QF_{72}	16.4	X	334.26058	111.28386	208.18603	1.18607	0.2588576	0.24465197	2.5318438	20	7 16.9	18.0
87395 2000 QP_{72}	15.4	X	59.43773	120.07710	267.13211	1.08006	0.1940305	0.26239652	2.4163731	20	—	—
87396 2000 QT_{72}	15.4	X	316.16866	15.88332	308.24459	3.73319	0.2634593	0.24256819	2.5463229	20	6 6.3	17.8
87397 2000 QB_{73}	15.2	X	5.52310	277.44694	332.93366	8.73771	0.0874082	0.23942159	2.5685844	20	6 10.1	18.2
87398 2000 QD_{73}	14.6	X	135.10935	115.07696	335.28761	12.77305	0.1435242	0.23170082	2.6253326	20	5 7.7	18.9
87399 2000 QR_{73}	15.7	X	194.09681	215.81152	185.02954	3.31626	0.1551986	0.23306288	2.6150940	20	5 8.4	19.9
87400 2000 QW_{73}	15.0	X	284.87878	167.20540	172.34738	4.36645	0.1411027	0.18932202	3.0037835	20	5 29.9	19.2
87401 2000 QS_{74}	15.8	X	282.00824	358.77453	289.63564	1.03687	0.1991239	0.23384163	2.6092849	20	3 9.8	19.7
87402 2000 QE_{75}	14.4	X	242.85745	67.24384	339.51936	13.41284	0.1934646	0.23950716	2.5679726	20	7 1.4	18.5
87403 2000 QH_{76}	15.8	X	250.13930	91.34847	195.97735	3.33959	0.1722557	0.22874429	2.6479059	20	2 8.6	20.1
87404 2000 QK_{76}	15.2	X	264.30681	122.31547	228.91795	1.70083	0.2269025	0.23726209	2.5841466	20	5 6.6	19.0
87405 2000 QP_{77}	15.5	X	290.79886	88.16017	279.24981	1.47877	0.1624667	0.24205696	2.5499069	20	7 13.4	18.3
87406 2000 QC_{83}	15.5	X	77.50367	208.64007	196.02729	1.50024	0.0601098	0.21686918	2.7437055	20	—	—
87407 2000 QJ_{83}	15.0	X	220.99050	196.45842	168.58617	15.18154	0.1136546	0.23193579	2.6235592	20	4 23.9	19.1
87408 2000 QN_{83}	15.3	X	254.40930	211.32628	172.62518	3.16889	0.0843974	0.23843779	2.5756449	20	6 26.7	18.8
87409 2000 QU_{85}	14.9	X	135.47192	169.71907	192.74566	4.81794	0.1420190	0.17188581	3.2036326	20	1 30.3	19.9
87410 2000 QY_{86}	15.7	X	359.90315	322.40338	299.43954	6.66279	0.1202370	0.24072717	2.5592889	20	6 18.7	18.4
87411 2000 QC_{88}	14.3	X	182.30789	133.84485	316.55693	12.36543	0.1432460	0.23789486	2.5795623	20	6 30.4	18.5
87412 2000 QE_{88}	14.6	X	136.30406	212.23969	311.39783	12.72819	0.1092960	0.24407215	2.5358520	20	8 14.6	18.4
87413 2000 QU_{89}	14.7	X	280.39501	57.30450	321.40754	8.23702	0.0534643	0.24286333	2.5442596	20	8 1.2	17.7
87414 2000 QB_{90}	15.5	X	342.27048	2.45290	310.66144	7.40712	0.1423913	0.24392832	2.5368487	20	8 2.1	17.7
87415 2000 QA_{92}	15.9	X	348.99637	10.21120	283.40204	4.25582	0.1240756	0.24186808	2.5512343	20	7 15.9	18.4
87416 2000 QM_{92}	15.7	X	260.86676	157.78892	203.31494	3.36778	0.2167466	0.23715112	2.5849527	20	5 17.6	19.5
87417 2000 QM_{93}	15.4	X	233.87005	23.74557	336.61756	13.81703	0.1122745	0.23546316	2.5972918	20	4 21.5	19.5
87418 2000 QZ_{94}	15.7	X	277.44923	292.76966	339.14265	4.34912	0.0915802	0.22966108	2.6408543	20	2 27.5	19.4
87419 2000 QM_{95}	14.4	X	157.80474	167.87431	199.38528	6.16669	0.1774956	0.17351596	3.1835360	20	2 27.5	19.7
87420 2000 QN_{95}	14.8	X	161.88665	39.75150	352.47309	13.97862	0.0855180	0.22696242	2.6617468	20	3 22.3	18.6
87421 2000 QS_{97}	15.6	X	287.67803	240.34235	116.87624	3.28040	0.2443627	0.24023683	2.5627702	20	6 10.0	18.6
87422 2000 QE_{99}	16.2	X	271.91873	215.44500	111.28160	4.48141	0.2018212	0.23529893	2.5985002	20	4 18.7	20.0
87423 2000 QW_{99}	16.0	X	186.65459	263.41688	102.26255	4.88348	0.2423909	0.22698073	2.6616037	20	3 22.4	20.7
87424 2000 QY_{99}	15.1	X	200.01315	338.15216	61.16151	5.06191	0.1216300	0.23253016	2.6190866	20	5 12.6	19.0
87425 2000 QJ_{100}	15.5	X	289.51929	148.94057	150.63943	8.08597	0.1894417	0.23455960	2.6039576	20	4 6.3	19.0
87426 2000 QH_{101}	15.1	X	214.21065	294.16882	95.02282	5.54018	0.1142775	0.23320456	2.6140347	20	5 15.6	19.0
87427 2000 QE_{102}	15.2	X	246.83835	240.43289	141.56946	10.54843	0.2222938	0.23624362	2.5915683	20	5 31.3	19.4
87428 2000 QY_{102}	14.5	X	65.20251	317.32788	107.42774	8.21869	0.1327326	0.21603151	2.7507934	20	1 10.4	17.7
87429 2000 QM_{103}	15.0	X	283.63941	359.53117	5.59227	0.95201	0.0766609	0.19052759	2.9910991	20	7 10.2	18.8
87430 2000 QG_{104}	15.4	X	173.80057	245.82558	111.22273	5.44342	0.1286085	0.22418993	2.6836465	20	2 26.4	19.6
87431 2000 QE_{105}	14.0	X	343.69223	192.90018	129.63290	11.34600	0.0898413	0.19244919	2.9711551	20	8 13.1	17.5
87432 2000 QG_{105}	14.8	X	263.56627	263.81802	157.92225	16.91988	0.1403059	0.24252927	2.5465953	20	8 21.6	18.0
87433 2000 QM_{105}	15.4	X	240.50278	244.30307	81.52831	5.98185	0.2532759	0.23038704	2.6353038	20	3 15.9	19.9
87434 2000 QX_{105}	14.2	X	177.17880	240.60963	95.70666	8.39383	0.1410164	0.17178917	3.2048339	20	2 10.9	19.4
87435 2000 QH_{106}	15.8	X	276.53813	343.61523	3.64495	5.13100	0.1152988	0.23999624	2.5644826	20	5 31.1	19.1
87436 2000 QO_{106}	15.3	X	30.42026	194.90626	105.19152	3.10478	0.0495307	0.19930485	2.9026241	20	9 22.1	19.1
87437 2000 QC_{107}	15.1	X	56.58264	162.76408	189.85971	6.43583	0.1341577	0.20870138	2.8148321	20	—	—
87438 2000 QH_{107}	16.3	X	349.33266	125.04146	174.68086	3.65304	0.1308712	0.24413977	2.5353837	20	7 25.8	18.8
87439 2000 QZ_{108}	14.7	X	235.30509	202.68939	103.27901	6.59782	0.1348959	0.17907844	3.1172659	20	2 27.4	19.7
87440 2000 QA_{110}	15.2	X	355.19885	340.96419	317.60253	6.38362	0.1635801	0.24518819	2.5281511	20	8 8.0	17.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
87441 2000 QE_{110}	13.8	X	81.82377	185.65688	325.37847	12.38049	0.1190905	0.23489734	2.6014610	20	5 23.4	17.5
87442 2000 QZ_{110}	15.4	X	232.85164	174.19315	205.45860	1.29853	0.1237207	0.18620971	3.0371611	20	5 21.8	19.9
87443 2000 QL_{111}	15.8	X	298.99081	286.94731	352.17838	4.99045	0.2247473	0.23522193	2.5990672	20	3 14.4	19.1
87444 2000 QZ_{111}	15.5	X	221.42205	214.97476	169.04480	15.52544	0.1832783	0.23409629	2.6073922	20	5 14.0	20.0
87445 2000 QM_{113}	15.9	X	305.05557	318.14865	346.15161	4.11999	0.0371929	0.23717765	2.5847599	20	5 24.3	19.2
87446 2000 QO_{113}	15.9	X	195.09224	123.76141	228.54413	0.72451	0.0828285	0.22798807	2.6537579	20	3 9.2	19.9
87447 2000 QR_{116}	15.4	X	272.64317	253.05566	61.47907	4.90295	0.3086283	0.23488409	2.6015588	20	3 23.3	19.5
87448 2000 QA_{118}	14.8	X	201.18589	92.77696	328.80694	14.01937	0.0939057	0.23616754	2.5921248	20	6 12.3	18.9
87449 2000 QF_{119}	14.9	X	99.00785	114.17792	320.35098	7.06556	0.2064978	0.22164835	2.7041226	20	3 19.2	18.7
87450 2000 QB_{120}	15.1	X	94.18621	242.19271	186.84126	14.63211	0.0637720	0.22227694	2.6990221	20	2 13.5	18.8
87451 2000 QD_{120}	15.3	X	281.22781	51.98578	288.20290	3.52304	0.1748935	0.23759264	2.5817492	20	5 18.6	18.8
87452 2000 QD_{121}	15.0	X	122.28512	98.35726	288.90201	5.18175	0.0412588	0.22053739	2.7131963	20	1 26.9	18.7
87453 2000 QE_{121}	14.7	X	194.31961	25.66187	337.09614	15.59776	0.1789108	0.22750964	2.6574770	20	3 17.9	19.2
87454 2000 QG_{121}	15.0	X	58.32262	89.25007	248.52378	3.74392	0.1763323	0.20588387	2.8404545	20	12 29.8	19.1
87455 2000 QK_{122}	14.6	X	44.71373	126.87996	283.36444	5.47878	0.1151861	0.21129171	2.7917793	20	—	—
87456 2000 QM_{122}	15.6	X	324.78074	34.13997	319.72026	6.86421	0.2963686	0.24441606	2.5334727	20	8 14.9	16.9
87457 2000 QR_{123}	16.0	X	237.94275	78.98930	288.40923	1.45013	0.2885162	0.23319829	2.6140816	20	4 26.9	20.5
87458 2000 QK_{124}	14.8	X	146.66369	259.11231	118.23799	13.02454	0.2270125	0.22178725	2.7029935	20	3 5.6	19.3
87459 2000 QL_{125}	15.4	X	285.72725	117.45816	200.04286	9.96907	0.1137638	0.23659956	2.5889684	20	5 5.3	18.7
87460 2000 QR_{126}	15.6	X	236.90616	138.55977	243.11053	3.80512	0.1550498	0.23713370	2.5850792	20	5 25.1	19.4
87461 2000 QD_{127}	15.7	X	156.83692	11.36160	348.34551	13.53827	0.1514266	0.22194609	2.7017037	20	2 16.5	19.9
87462 2000 QS_{127}	14.8	X	172.21632	191.05506	179.84742	13.56030	0.2010779	0.22386585	2.6862359	20	3 13.5	19.2
87463 2000 QT_{128}	15.4	X	239.97100	47.67906	282.56679	2.88479	0.1183810	0.23059999	2.6336811	20	3 25.5	19.3
87464 2000 QV_{129}	15.0	X	266.20462	241.02634	151.14332	4.01525	0.2067046	0.23976970	2.5660977	20	7 4.9	18.5
87465 2000 QU_{130}	15.8	X	270.74631	15.16824	309.89633	4.47529	0.3040625	0.23840810	2.5758587	20	3 30.2	20.1
87466 2000 QX_{130}	14.8	X	93.15163	233.62359	131.26824	17.71831	0.2335837	0.21697329	2.7428278	20	—	—
87467 2000 QC_{131}	15.6	X	105.75924	220.38163	153.78801	6.48357	0.1305914	0.26931567	2.3748069	20	—	—
87468 2000 QF_{131}	15.5	X	74.82026	311.38759	332.01796	5.78441	0.1474525	0.25580520	2.4577053	20	11 15.7	19.2
87469 2000 QT_{131}	15.5	X	295.36776	182.40224	147.41192	5.94428	0.2544932	0.23808154	2.5782136	20	5 13.9	18.8
87470 2000 QM_{133}	14.5	X	192.57053	110.27743	333.49248	21.72940	0.0856828	0.24141730	2.5544091	20	7 8.5	18.6
87471 2000 QL_{134}	15.6	X	302.92791	307.74077	355.48300	3.61842	0.1715200	0.23910287	2.5708665	20	4 28.3	18.8
87472 2000 QU_{135}	15.6	X	230.44405	291.78399	114.33092	6.70468	0.2719933	0.23813565	2.5778230	20	6 9.9	20.1
87473 2000 QK_{137}	15.6	X	235.85789	54.43961	272.56516	7.82149	0.0926459	0.23201722	2.6229453	20	3 16.3	19.6
87474 2000 QF_{139}	15.1	X	148.17287	212.80206	171.17172	4.53865	0.1145007	0.22314742	2.6919984	20	3 1.5	19.2
87475 2000 QM_{139}	15.2	X	116.51485	274.74791	19.95889	4.98121	0.1983486	0.25999783	2.4312124	20	—	—
87476 2000 QH_{140}	15.5	X	170.07575	205.09601	162.55769	4.26563	0.1217327	0.22438663	2.6820780	20	3 4.6	19.5
87477 2000 QN_{140}	15.1	X	342.70151	144.80809	171.55967	8.72653	0.2731513	0.24423966	2.5346924	20	8 5.4	16.7
87478 2000 QM_{141}	14.6	X	254.21201	200.91042	160.03150	11.57843	0.0939021	0.18499172	3.0504777	20	5 27.6	19.2
87479 2000 QB_{143}	14.6	X	246.48972	203.08437	135.86836	2.60505	0.1105900	0.18240810	3.0792147	20	4 18.4	19.3
87480 2000 QZ_{143}	16.2	X	313.05730	299.49543	19.08204	4.22662	0.2558847	0.24088843	2.5581465	20	5 23.2	18.7
87481 2000 QC_{144}	15.1	X	143.62907	40.27125	24.73145	3.62339	0.1410661	0.22783644	2.6549352	20	4 19.1	19.2
87482 2000 QJ_{146}	15.5	X	114.33844	262.80401	151.02229	9.66650	0.2431258	0.22054162	2.7131617	20	3 19.7	19.6
87483 2000 QN_{149}	14.1	X	78.35604	42.19731	5.40376	9.12257	0.1616740	0.21375031	2.7703303	20	1 15.5	17.5
87484 2000 QD_{150}	15.5	X	265.45499	130.90965	192.74005	10.22661	0.1480876	0.23344987	2.6122032	20	4 12.8	19.1
87485 2000 QT_{150}	14.1	X	75.72160	80.09010	343.81421	13.20906	0.1439039	0.21536061	2.7565034	20	1 31.4	17.6
87486 2000 QQ_{153}	15.2	X	345.25899	284.76124	318.02555	12.13226	0.1364808	0.23743817	2.5828689	20	4 13.4	18.2
87487 2000 QY_{153}	15.1	X	256.84441	91.66081	193.57634	10.95063	0.1791802	0.23252562	2.6191207	20	2 9.6	19.5
87488 2000 QG_{154}	14.6	X	332.73259	242.23415	292.34038	13.77403	0.1308875	0.22508063	2.6765620	20	1 1.1	18.1
87489 2000 QJ_{156}	14.7	X	46.68579	122.03010	232.77922	8.03560	0.1686904	0.20924236	2.8099784	20	—	—
87490 2000 QN_{156}	15.0	X	186.65618	118.78460	170.62018	14.40324	0.1387028	0.22218060	2.6998023	20	—	—
87491 2000 QE_{157}	15.2	X	77.13911	169.99449	292.45716	10.47013	0.1294367	0.22594729	2.6697133	20	3 10.9	18.8
87492 2000 QP_{158}	14.8	X	156.49148	347.97385	239.03371	7.12145	0.1665527	0.21117070	2.7928457	20	11 18.3	19.2
87493 2000 QM_{159}	15.2	X	283.59552	324.04644	293.17352	8.69416	0.0683696	0.22884125	2.6471579	20	2 16.7	18.9
87494 2000 QC_{161}	14.6	X	281.57526	153.18731	199.21983	10.21603	0.1164284	0.19173023	2.9785780	20	6 14.4	18.8
87495 2000 QH_{162}	15.2	X	200.35726	54.83194	183.74716	12.88902	0.1345045	0.21717085	2.7411641	20	—	—
87496 2000 QJ_{162}	15.0	X	228.99331	138.94380	261.49983	7.16970	0.0313951	0.24065310	2.5598140	20	6 23.4	18.3
87497 2000 QX_{165}	15.2	X	283.51318	297.99031	307.40408	10.63941	0.0703865	0.22652606	2.6651640	20	2 3.8	18.8
87498 2000 QX_{166}	15.2	X	297.38031	330.55990	328.58936	15.10485	0.1292418	0.23617554	2.5920663	20	4 14.4	18.9
87499 2000 QE_{167}	15.1	X	308.75422	16.63234	330.88535	14.42610	0.0956161	0.24280032	2.5446998	20	7 28.6	18.1
87500 2000 QS_{167}	15.7	X	300.89722	335.88597	305.22246	6.39226	0.1779158	0.23508490	2.6000771	20	3 23.3	19.1
87501 2000 QD_{169}	15.1	X	151.83429	203.86701	247.93971	2.32299	0.0830896	0.23410417	2.6073337	20	5 28.4	18.9
87502 2000 QC_{173}	14.7	X	245.51525	99.08197	265.64260	7.65580	0.0739320	0.18772244	3.0208228	20	5 21.6	19.0
87503 2000 QH_{173}	15.3	X	40.55750	271.36186	308.52201	9.46716	0.1232995	0.24136029	2.5548114	20	7 2.3	18.2
87504 2000 QB_{174}	15.4	X	143.39537	167.67992	225.93798	4.45072	0.1169766	0.22633308	2.6666787	20	3 6.8	19.4
87505 2000 QD_{174}	15.8	X	0.78210	299.14135	319.59563	11.52769	0.1318408	0.24124931	2.5555948	20	6 15.9	18.6
87506 2000 QG_{174}	14.8	X	272.76900	162.12063	224.62905	3.21325	0.1316043	0.19272083	2.9683625	20	7 14.8	18.9
87507 2000 QY_{175}	15.6	X	90.07513	254.25493	182.04048	5.65368	0.1754702	0.27285745	2.3542117	20	2 29.9	18.3
87508 2000 QE_{176}	15.2	X	77.72394	143.16358	263.81312	4.03675	0.0407453	0.21909114	2.7251234	20	—	—
87509 2000 QT_{181}	14.9	X	240.34298	330.04241	40.02877	14.15268	0.1596616	0.22855113	2.6493976	20	5 11.9	18.9
87510 2000 QJ_{183}	15.1	X	252.67748	180.63168	205.53513	0.31598	0.1798672	0.19046731	2.9917302	20	6 13.8	19.5
87511 2000 QA_{184}	16.1	X	121.75406	265.38347	127.96420	5.13072	0.1924654	0.27304107	2.3531561	20	2 18.3	19.2
87512 2000 QZ_{184}	15.7	X	320.86337	140.25618	126.96673	4.36837	0.2182574	0.23800517	2.5787651	20	4 1.9	18.5
87513 2000 QD_{188}	15.2	X	232.35761	321.81045	85.29902	6.21089	0.2085164	0.23844239	2.5756118	20	6 17.5	19.3
87514 2000 QB_{190}	14.9	X	188.95335	31.01598	0.10732	11.98819	0.1972872	0.23107470	2.6300729	20	4 17.3	19.5
87515 2000 QG_{190}	16.0	X	331.84361	204.46037	119.64333	7.66028	0.2396859	0.24451072	2.5328188	20	7 20.4	17.4
87516 2000 QU_{190}	15.1	X	272.21750	129.04362	137.84327	18.31868	0.2828818	0.23111097	2.6297977	20	1 26.3	19.5
87517 2000 QB_{191}	15.5	X	81.56946	215.23992	106.81288	7.20670	0.1224099	0.25897280	2.4376234	20	—	—
87518 2000 QM_{191}	14.8	X	270.87675	253.76269	124.95519	10.33541	0.0690150	0.19135306	2.9824908	20	7 11.7	18.8
87519 2000 QO_{191}	15.7	X	82.65208	197.74657	119.60618	8.53844	0.1246059	0.25855823	2.4402284	20	—	—
87520 2000 QL_{192}	14.6	X	352.38792	21.04059	66.72965	7.65274	0.1129456	0.26160570	2.4212404	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
87521 2000 QM_{192}	14.6	X	341.27443	42.74627	46.41442	8.85373	0.0935527	0.26055499	2.4277453	20	—	—
87522 2000 QK_{193}	14.4	X	229.06150	180.71619	144.01626	15.09934	0.0965319	0.22985853	2.6393418	20	3 12.9	18.4
87523 2000 QS_{193}	16.2	X	115.02374	184.07383	97.97872	1.85009	0.1988431	0.26073772	2.4266108	20	12 26.6	20.3
87524 2000 QQ_{197}	15.5	X	6.82073	105.13695	153.89313	13.41249	0.1295676	0.24144571	2.5542087	20	6 28.6	18.4
87525 2000 QV_{197}	15.4	X	263.03929	192.85156	116.18366	2.99076	0.0645855	0.23277792	2.6172278	20	4 2.5	18.9
87526 2000 QK_{198}	15.4	X	325.97953	259.14698	51.59192	2.46127	0.1374003	0.19222184	2.9734974	20	6 23.5	18.8
87527 2000 QO_{198}	15.4	X	293.53391	249.74534	20.48464	5.53620	0.3004754	0.23474422	2.6025921	20	2 18.5	19.4
87528 2000 QP_{198}	15.1	X	304.20680	337.76695	351.89110	11.93261	0.1894696	0.24105998	2.5569327	20	6 3.2	18.3
87529 2000 QZ_{199}	15.4	X	253.22077	317.78466	25.85619	3.89232	0.1498782	0.23545397	2.5973594	20	4 23.7	19.1
87530 2000 QG_{200}	15.5	X	187.67626	258.13155	115.57676	4.05886	0.1204147	0.22953524	2.6418195	20	3 30.8	19.7
87531 2000 QJ_{200}	15.5	X	325.21857	319.55800	341.93233	14.68149	0.1371221	0.24069167	2.5595405	20	6 8.3	18.7
87532 2000 QX_{201}	14.5	X	164.84288	272.83628	141.60988	6.06046	0.1753318	0.18003199	3.1062490	20	5 1.9	19.7
87533 2000 QG_{203}	16.4	X	313.37144	329.55737	30.59213	2.88484	0.2683747	0.24428151	2.5344029	20	7 29.8	18.5
87534 2000 QR_{203}	15.0	X	325.98910	233.24220	1.33811	12.42329	0.1186076	0.23143785	2.6273209	20	3 11.9	18.2
87535 2000 QY_{203}	15.0	X	17.03442	224.03897	108.32889	4.58814	0.1737264	0.20085116	2.8877072	20	11 1.2	18.4
87536 2000 QZ_{203}	15.4	X	144.86828	332.19789	76.37574	3.73646	0.1734921	0.22639285	2.6662093	20	4 4.5	19.5
87537 2000 QX_{205}	15.9	X	259.38740	175.84612	172.24482	4.69208	0.2410417	0.23571010	2.5954775	20	4 27.4	19.9
87538 2000 QA_{206}	14.2	X	69.34968	258.94928	181.06629	20.76341	0.0421766	0.17028624	3.2236633	20	1 30.7	19.0
87539 2000 QY_{206}	15.6	X	242.17378	175.29616	160.88649	4.20192	0.2318141	0.23209941	2.6223261	20	3 28.8	20.0
87540 2000 QB_{207}	15.6	X	252.98600	180.87248	150.33721	1.35356	0.1076487	0.23231054	2.6207370	20	4 13.0	19.2
87541 2000 QG_{208}	15.8	X	320.40258	105.80865	163.82568	4.47625	0.2602576	0.23601932	2.5932100	20	3 27.2	18.6
87542 2000 QA_{214}	14.9	X	252.16632	310.84193	22.82613	4.33835	0.1687480	0.18386219	3.0629584	20	4 10.9	19.8
87543 2000 QA_{215}	15.6	X	215.31991	274.02964	98.47299	3.59765	0.1547453	0.23207649	2.6224987	20	4 23.6	19.7
87544 2000 QL_{217}	13.7	X	210.00655	80.90436	254.60117	20.18549	0.2841649	0.17226223	3.1989640	20	2 24.3	19.8
87545 2000 QB_{218}	14.0	X	290.66716	176.18338	256.92445	9.03102	0.0962406	0.19139398	2.9820656	20	10 11.4	18.0
87546 2000 QE_{218}	14.5	X	304.41998	332.48294	49.24827	11.21540	0.1083529	0.18718245	3.0266298	20	9 2.3	18.5
87547 2000 QZ_{219}	16.3	X	318.56003	130.15302	159.48982	4.26870	0.1195254	0.23980352	2.5658564	20	5 15.3	19.2
87548 2000 QC_{222}	15.4	X	296.15159	341.61791	24.77988	8.65651	0.2427767	0.24320812	2.5418544	20	7 8.4	18.4
87549 2000 QW_{222}	15.2	X	238.95116	249.21758	119.23632	15.85587	0.1833873	0.23597267	2.5935517	20	5 13.6	19.5
87550 2000 QU_{224}	14.1	X	323.22603	274.42100	55.33940	11.38740	0.1189419	0.19142258	2.9817687	20	7 19.1	17.9
87551 2000 QC_{227}	14.9	X	299.46550	217.34432	289.14629	8.38559	0.1397646	0.26604042	2.3942581	20	—	—
87552 2000 QV_{227}	16.0	X	211.22426	143.76277	207.49776	1.24110	0.1224201	0.22879668	2.6475016	20	3 23.8	20.0
87553 2000 QO_{229}	15.0	X	176.91767	233.15615	159.75338	15.12623	0.1267024	0.22739699	2.6583546	20	4 15.2	19.3
87554 2000 QM_{231}	15.3	X	202.20822	121.99065	251.97408	3.96915	0.1019332	0.23327028	2.6135437	20	4 11.2	19.2
87555 2000 QB_{243}	8.2	X	48.48625	284.95067	330.00050	6.76108	0.5647621	0.00473602	35.1177595	20	10 2.5	23.3
87556 2000 RL_{1}	15.4	X	295.01625	112.78325	182.68810	16.26909	0.2382480	0.23491031	2.6013652	20	3 29.5	18.9
87557 2000 RX_{1}	14.7	X	331.43792	77.00792	3.09984	5.78463	0.1292898	0.25487692	2.4636691	20	—	—
87558 2000 RL_{3}	14.0	X	350.22957	279.29312	2.36926	14.74401	0.0563816	0.23724092	2.5843003	20	7 2.5	17.4
87559 2000 RC_{4}	15.0	X	269.29534	228.74263	164.25621	9.18219	0.2130240	0.23890038	2.5723190	20	7 8.5	18.7
87560 2000 RE_{4}	15.5	X	286.48256	241.73630	156.26614	3.57735	0.1878464	0.24184832	2.5513733	20	8 15.4	18.4
87561 2000 RM_{4}	15.0	X	247.50865	327.59447	57.48462	6.76662	0.3010302	0.23464584	2.6033195	20	5 25.7	19.3
87562 2000 RZ_{5}	15.3	X	131.61418	167.21619	187.75218	2.04005	0.2097631	0.21618237	2.7495135	20	1 20.2	19.5
87563 2000 RP_{6}	15.0	X	153.12595	22.60577	24.19332	2.72929	0.2541701	0.22395006	2.6855624	20	4 12.9	19.5
87564 2000 RQ_{9}	14.9	X	128.18073	323.36527	55.84930	12.20039	0.2982355	0.21599088	2.7511384	20	3 1.3	19.6
87565 2000 RE_{10}	15.3	X	94.91762	327.83930	76.73505	6.77236	0.3683307	0.21328192	2.7743848	20	3 6.3	19.4
87566 2000 RO_{10}	15.3	X	269.52698	286.83374	75.82433	5.31423	0.3461104	0.23445715	2.6047161	20	5 13.6	19.3
87567 2000 RC_{11}	15.3	X	293.27911	247.99757	136.17165	3.38164	0.2564139	0.23796126	2.5790823	20	7 25.2	18.1
87568 2000 RW_{11}	15.0	X	249.09354	172.42901	216.55860	3.83470	0.2331854	0.23271804	2.6176768	20	6 8.3	19.1
87569 2000 RS_{12}	15.2	X	247.68037	331.64283	312.75186	13.33469	0.0710376	0.22675189	2.6633942	20	2 10.5	19.2
87570 2000 RB_{13}	15.8	X	225.43857	175.71013	192.93969	14.29812	0.1734126	0.23398708	2.6082035	20	4 27.3	20.0
87571 2000 RS_{13}	15.4	X	190.86563	76.88756	213.80692	9.57190	0.1642775	0.22091859	2.7100744	20	—	—
87572 2000 RF_{14}	15.0	X	100.38141	222.07065	302.18834	12.55548	0.1062720	0.23844679	2.5755801	20	7 7.2	18.6
87573 2000 RH_{14}	14.5	X	327.62760	113.20729	214.13876	10.22005	0.1130403	0.19327248	2.9627116	20	7 19.1	18.3
87574 2000 RK_{14}	15.3	X	114.99592	35.35898	262.62899	6.95051	0.2017086	0.21137694	2.7910288	20	—	—
87575 2000 RN_{14}	14.4	X	333.81168	16.68784	268.23331	9.27751	0.0536847	0.18854277	3.0120543	20	6 8.1	18.4
87576 2000 RY_{14}	14.2	X	25.78527	290.53531	256.81283	8.59696	0.0197687	0.18148748	3.0896191	20	4 12.3	18.5
87577 2000 RH_{15}	14.7	X	155.25016	205.15571	286.10338	8.13183	0.1326268	0.23980634	2.5658363	20	7 24.2	18.7
87578 2000 RU_{15}	14.5	X	247.96348	37.95594	299.33407	10.07088	0.1379122	0.18359602	3.0659180	20	4 8.9	19.5
87579 2000 RX_{15}	15.0	X	264.80943	305.31899	299.94345	10.59253	0.1515857	0.22457996	2.6805385	20	1 6.9	19.1
87580 2000 RE_{16}	14.8	X	131.79510	155.86349	316.97247	13.81024	0.0386284	0.23479504	2.6022166	20	5 25.8	18.7
87581 2000 RX_{18}	15.1	X	246.51975	352.84816	314.44757	11.17336	0.2303449	0.23029013	2.6360431	20	2 23.8	19.5
87582 2000 RP_{19}	15.8	X	258.02952	150.43402	218.26173	8.16961	0.2018957	0.23727625	2.5840438	20	5 26.3	19.6
87583 2000 RD_{20}	15.0	X	294.85039	106.92786	206.18068	8.74449	0.1202463	0.18676356	3.0311536	20	5 12.3	19.0
87584 2000 RE_{21}	15.3	X	256.11284	181.39546	193.92250	13.46427	0.1748601	0.23746146	2.5827000	20	6 5.5	19.3
87585 2000 RV_{21}	15.2	X	195.24953	65.32092	256.04196	5.02673	0.2916958	0.22436139	2.6822791	20	2 3.2	20.1
87586 2000 RJ_{22}	15.4	X	274.37598	161.16659	208.56318	8.29223	0.1769945	0.23910421	2.5708569	20	6 19.4	19.0
87587 2000 RL_{22}	15.1	X	163.84170	197.14880	196.61941	14.08941	0.1028217	0.22688741	2.6623334	20	3 28.5	19.2
87588 2000 RY_{22}	15.5	X	227.94232	157.27243	233.63995	2.83190	0.2644947	0.23416777	2.6068616	20	5 19.9	20.0
87589 2000 RN_{23}	15.4	X	329.56434	64.36155	224.31602	5.10956	0.2216420	0.23888047	2.5724619	20	5 18.4	17.8
87590 2000 RO_{24}	14.9	X	156.26696	140.75323	249.97445	7.10016	0.1113747	0.17632934	3.1495826	20	3 18.6	19.9
87591 2000 RX_{26}	14.8	X	226.28162	83.43431	317.98841	13.11552	0.0972665	0.23633140	2.5909265	20	6 14.3	18.8
87592 2000 RD_{28}	14.5	X	322.07726	52.79618	245.23734	9.29156	0.0952092	0.18812334	3.0165296	20	6 4.1	18.2
87593 2000 RE_{28}	15.7	X	325.43558	52.80236	286.90641	2.56947	0.2570159	0.24339937	2.5405227	20	7 27.1	17.5
87594 2000 RL_{29}	15.0	X	30.37851	46.50618	250.32520	7.70889	0.1735602	0.19808410	2.9145374	20	9 29.8	18.7
87595 2000 RM_{30}	13.7	X	143.50737	211.45801	325.97739	13.62406	0.1201212	0.24388453	2.5371523	20	9 7.6	17.8
87596 2000 RG_{31}	14.4	X	285.73824	87.02864	224.86172	9.68305	0.0862821	0.18376992	3.0639835	20	5 2.7	18.5
87597 2000 RU_{32}	14.8	X	101.29194	84.34188	301.04505	4.52469	0.0806507	0.21635792	2.7480261	20	1 5.2	18.3
87598 2000 RY_{32}	15.3	X	150.47037	112.61542	240.01682	3.82163	0.1728304	0.21977997	2.7194264	20	1 30.6	19.6
87599 2000 RM_{33}	14.0	X	187.43026	293.74042	352.59076	17.58414	0.2054780	0.21742796	2.7390026	20	—	—
87600 2000 RF_{34}	15.1	X	347.25944	219.11680	272.95221	7.29178	0.0403075	0.21603767	2.7507412	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
87601 2000 RP_{37}	14.5	X	248.13227	10.43549	344.13019	12.01908	0.2487776	0.23072709	2.6327139	20	4 18.2	19.0
87602 2000 RS_{38}	14.7	X	277.78721	74.88190	319.97828	10.79939	0.3176926	0.23789765	2.5795421	20	7 8.3	18.3
87603 2000 RD_{40}	14.8	X	169.35954	160.75476	254.92706	8.11518	0.1452327	0.22941809	2.6427187	20	5 1.6	19.0
87604 2000 RF_{40}	15.6	X	207.78098	26.26781	291.63782	8.17100	0.1444676	0.22418976	2.6836479	20	2 7.8	20.0
87605 2000 RW_{41}	14.3	X	284.66427	35.16213	268.45672	8.90447	0.1040224	0.18226279	3.0808510	20	4 14.9	18.8
87606 2000 RZ_{43}	15.6	X	187.92037	60.80937	340.54071	12.13991	0.2334430	0.22859991	2.6490206	20	4 27.3	20.5
87607 2000 RA_{44}	14.7	X	310.57963	60.71939	298.93242	6.63528	0.1823682	0.24165276	2.5527496	20	8 3.2	17.1
87608 2000 RC_{44}	14.9	X	296.91523	22.18544	301.39944	7.85463	0.2116162	0.23664880	2.5886093	20	5 9.8	18.4
87609 2000 RL_{44}	15.6	X	312.27474	352.68505	318.47114	6.66451	0.1301614	0.28618937	2.2805191	20	6 1.1	17.9
87610 2000 RO_{44}	14.2	X	12.36979	350.79078	333.84144	12.82712	0.1535371	0.24620176	2.5212076	20	10 12.9	17.2
87611 2000 RP_{44}	14.4	X	203.10844	10.33019	330.27245	14.64299	0.1020146	0.22531249	2.6747254	20	3 1.6	18.6
87612 2000 RN_{45}	15.1	X	286.49887	133.16279	279.88449	4.52337	0.2620298	0.24259374	2.5461442	20	8 22.8	17.8
87613 2000 RQ_{45}	14.7	X	298.38768	300.42028	11.56065	28.93306	0.1549793	0.23421140	2.6065378	20	4 25.6	18.4
87614 2000 RX_{45}	14.8	X	237.78638	34.11496	359.33440	15.13639	0.1033284	0.23415330	2.6069689	20	6 15.1	18.9
87615 2000 RB_{47}	15.0	X	232.49041	55.87796	353.74468	13.44792	0.0999701	0.23571044	2.5954749	20	7 4.3	19.0
87616 2000 RR_{47}	14.9	X	310.52565	340.31185	352.57453	15.88112	0.1993409	0.23879504	2.5730754	20	6 20.6	18.0
87617 2000 RB_{48}	14.0	X	156.19753	32.75895	303.08182	8.62264	0.1381128	0.21622807	2.7491261	20	1 15.2	18.1
87618 2000 RH_{48}	14.5	X	257.67939	21.84694	356.53489	15.81361	0.1606312	0.23482875	2.6019675	20	6 10.5	18.5
87619 2000 RM_{48}	14.4	X	169.86893	96.92645	340.42508	12.36420	0.2541820	0.22742082	2.6581688	20	5 30.3	19.4
87620 2000 RO_{48}	14.6	X	142.49527	113.34577	268.12969	8.26995	0.1723667	0.21902297	2.7256888	20	2 23.9	19.0
87621 2000 RW_{48}	15.3	X	195.68184	323.51789	345.32572	15.27220	0.1840995	0.21952463	2.7215347	20	1 24.7	20.0
87622 2000 RE_{49}	14.8	X	265.36288	134.22622	248.32357	15.42861	0.2538363	0.18947563	3.0021598	20	6 13.4	19.3
87623 2000 RH_{49}	14.3	X	275.33634	205.15025	350.87676	17.36255	0.1205607	0.21692570	2.7432289	20	—	—
87624 2000 RR_{51}	15.1	X	293.65081	318.40005	24.04430	9.67886	0.2237162	0.23688487	2.5868892	20	5 30.0	18.5
87625 2000 RS_{51}	14.6	X	238.62210	39.39490	6.72420	15.34161	0.1290513	0.23388999	2.6089252	20	7 3.0	18.7
87626 2000 RB_{52}	14.7	X	95.85200	160.51302	262.87747	12.50566	0.1460685	0.21591626	2.7517722	20	2 18.4	18.7
87627 2000 RH_{52}	14.3	X	184.57060	147.98621	205.41725	14.91571	0.2415157	0.17595524	3.1540452	20	3 3.9	19.9
87628 2000 RP_{54}	14.2	X	214.59358	47.26172	346.08263	14.25051	0.1136144	0.23056794	2.6339252	20	5 14.9	18.5
87629 2000 RX_{54}	14.8	X	128.06417	326.34736	2.77304	21.40181	0.2172920	0.21162502	2.7888471	20	—	—
87630 2000 RE_{55}	14.8	X	212.40185	119.57690	270.30351	11.89227	0.2022981	0.22951662	2.6419623	20	5 6.8	19.4
87631 2000 RB_{61}	14.3	X	174.95162	17.01509	61.91107	3.86229	0.1224090	0.17641372	3.1485781	20	6 6.2	19.3
87632 2000 RF_{64}	15.4	X	138.70703	101.44332	167.20521	12.32412	0.0999523	0.21255659	2.7806927	20	12 22.5	19.9
87633 2000 RM_{64}	14.7	X	341.55085	348.21362	261.68338	9.68410	0.1250854	0.23647302	2.5898920	20	4 22.4	17.6
87634 2000 RR_{64}	15.1	X	255.28171	19.02313	231.48214	10.62815	0.3154873	0.22712900	2.6604453	20	—	—
87635 2000 RW_{66}	15.3	X	121.80298	191.55193	194.82359	9.21974	0.1667266	0.21853202	2.7297696	20	2 9.4	19.4
87636 2000 RX_{66}	14.0	X	65.38415	95.43770	6.20266	12.94317	0.1713006	0.21889911	2.7267169	20	3 8.0	17.1
87637 2000 RD_{67}	15.4	X	276.80761	159.21163	186.67998	3.74521	0.2860777	0.23629858	2.5911664	20	5 6.6	19.2
87638 2000 RG_{67}	14.9	X	122.86101	353.57011	25.03637	17.74915	0.1629393	0.21678667	2.7444016	20	2 11.7	19.3
87639 2000 RZ_{67}	14.7	X	63.75426	322.54418	333.04069	14.08548	0.2464862	0.25696831	2.4502835	20	11 29.2	18.8
87640 2000 RU_{70}	15.5	X	311.69696	181.38466	151.48107	5.68625	0.1660550	0.24010942	2.5636767	20	6 27.9	18.3
87641 2000 RC_{73}	15.6	X	356.75853	217.57259	180.46551	16.58715	0.0503814	0.25409333	2.4687316	20	12 23.3	19.0
87642 2000 RF_{73}	15.2	X	0.24793	97.80980	345.34896	0.90518	0.1589269	0.25892062	2.4379509	20	—	—
87643 2000 RD_{76}	14.5	X	99.38752	66.09936	302.72125	7.99055	0.1727814	0.21049535	2.7988162	20	—	—
87644 2000 RJ_{77}	15.3	X	225.37294	294.51495	38.57071	12.17790	0.2136968	0.22802233	2.6534921	20	3 16.9	19.9
87645 2000 RK_{77}	15.3	X	301.32238	248.25388	118.55545	5.18120	0.1922154	0.24122125	2.5557930	20	7 26.1	17.9
87646 2000 RB_{78}	14.3	X	240.00135	76.00871	268.27155	9.25632	0.1124839	0.18211731	3.0824915	20	4 13.2	19.1
87647 2000 RR_{79}	14.7	X	259.27463	86.60123	303.23144	22.08800	0.0431168	0.24207138	2.5498057	20	7 19.8	18.1
87648 2000 RB_{80}	14.6	X	166.50141	61.39729	235.26472	8.55122	0.2022211	0.21805960	2.7337108	20	—	—
87649 2000 RE_{80}	14.3	X	275.59682	61.78885	297.94905	10.86024	0.0975496	0.23922656	2.5699803	20	6 20.7	17.6
87650 2000 RB_{82}	14.4	X	164.85794	185.05149	240.66031	11.12781	0.0621940	0.18232703	3.0801274	20	5 8.7	19.1
87651 2000 RT_{82}	13.8	X	164.82994	215.26562	289.22358	12.05951	0.1059456	0.24255506	2.5464148	20	8 17.0	17.8
87652 2000 RK_{86}	14.8	X	9.54478	294.77147	174.04898	3.25166	0.0233439	0.21499437	2.7596330	20	—	—
87653 2000 RQ_{86}	14.9	X	162.30795	180.32683	247.85693	3.77136	0.1189250	0.23012572	2.6372984	20	5 10.6	19.0
87654 2000 RE_{88}	15.0	X	257.91003	116.10564	212.17303	8.95208	0.1003817	0.18589707	3.0405654	20	4 17.4	19.5
87655 2000 RW_{88}	15.1	X	100.78896	130.25774	311.16941	14.01410	0.0443204	0.22600309	2.6692738	20	3 3.4	18.8
87656 2000 RO_{90}	14.5	X	269.44465	54.73306	243.14346	8.65228	0.0378660	0.17894336	3.1188345	20	3 29.9	19.1
87657 2000 RC_{93}	15.6	X	166.96685	157.66133	169.63912	5.11532	0.1616445	0.21873063	2.7281169	20	1 15.7	19.9
87658 2000 RE_{93}	14.1	X	156.11644	186.35753	286.64157	10.22708	0.1099279	0.18080922	3.0973409	20	6 29.9	19.0
87659 2000 RD_{94}	15.0	X	175.52983	159.27286	222.68948	5.39886	0.2075874	0.17591859	3.1544833	20	3 31.2	20.5
87660 2000 RS_{94}	15.4	X	266.83217	108.69264	170.26261	4.83447	0.2686364	0.22875494	2.6478237	20	2 5.9	19.8
87661 2000 RU_{95}	15.2	X	162.93514	308.04373	54.13809	6.97574	0.0617662	0.22203003	2.7010227	20	2 18.8	19.2
87662 2000 RO_{96}	14.8	X	28.56389	341.91847	311.15399	13.87707	0.1714776	0.24727647	2.5138972	20	9 26.3	18.0
87663 2000 RG_{97}	14.8	X	256.19058	137.98657	219.07376	14.83639	0.2170707	0.23667685	2.5884048	20	5 7.3	18.7
87664 2000 RN_{97}	14.3	X	329.97316	284.68894	299.91068	27.13614	0.1566159	0.23057878	2.6338427	20	2 14.9	17.8
87665 2000 RV_{97}	14.4	X	308.09604	43.07018	257.45232	13.19642	0.1968356	0.23696620	2.5862973	20	4 26.7	17.7
87666 2000 RN_{98}	15.4	X	326.74597	18.57941	285.28838	12.55012	0.2124584	0.24055524	2.5605082	20	6 6.4	17.9
87667 2000 RP_{98}	14.8	X	119.33856	199.79002	251.13218	13.78349	0.0737229	0.22860677	2.6489677	20	4 14.1	18.7
87668 2000 RT_{98}	14.7	X	212.82117	99.16900	260.45559	11.72017	0.1838246	0.23002625	2.6380587	20	3 28.7	19.3
87669 2000 RE_{99}	15.1	X	215.30049	129.31303	238.53058	11.43166	0.1802625	0.23134216	2.6280454	20	4 12.7	19.5
87670 2000 RH_{99}	15.2	X	321.11614	30.74580	241.70070	10.91355	0.1598966	0.23550278	2.5970005	20	4 14.6	18.3
87671 2000 RY_{99}	14.8	X	237.89221	152.07140	259.72264	13.19201	0.1612267	0.23872988	2.5735436	20	7 2.9	18.6
87672 2000 RN_{100}	14.4	X	277.08993	23.45762	300.65476	16.09608	0.1942773	0.18468305	3.0538757	20	4 14.2	19.3
87673 2000 RZ_{100}	15.1	X	237.02021	15.99418	303.58042	13.61877	0.1052286	0.22756197	2.6570696	20	3 5.7	19.3
87674 2000 RF_{101}	14.9	X	182.67116	103.40675	250.38577	13.49978	0.1198028	0.22436183	2.6822756	20	2 22.4	19.4
87675 2000 RH_{101}	14.7	X	196.86453	47.48295	300.47538	13.76789	0.1383020	0.22564261	2.6721160	20	2 29.7	19.2
87676 2000 RR_{101}	14.6	X	172.61241	45.52248	289.04333	10.73000	0.1853000	0.22096704	2.7096782	20	1 29.5	19.1
87677 2000 RT_{102}	15.1	X	235.10375	35.48499	290.98667	8.96114	0.2219580	0.22931082	2.6435428	20	3 6.9	19.7
87678 2000 RU_{103}	14.9	X	302.51278	64.61631	226.02088	13.04787	0.1831863	0.23391270	2.6087563	20	4 7.6	18.4
87679 2000 RY_{104}	14.7	X	250.32202	108.88179	302.75614	11.43707	0.1903250	0.23800561	2.5787620	20	7 15.2	18.4
87680 2000 RJ_{105}	14.8	X	293.68499	14.12269	322.03953	12.00762	0.1867330	0.23662403	2.5887900	20	5 27.1	18.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
87681 2000 RL_{105}	15.3	X	239.72149	15.98905	283.00702	13.31154	0.2405538	0.22656338	2.6648713	20	2 6.9	20.0
87682 2000 SX_{1}	15.6	X	358.68313	122.41997	151.75308	34.95333	0.1684377	0.24268264	2.5455223	20	7 10.5	18.7
87683 2000 SR_{2}	15.2	X	254.98421	315.02427	107.70815	6.64067	0.2349833	0.24147540	2.5539994	20	7 29.6	18.9
87684 2000 SY_{2}	16.1	X	0.97238	47.78246	162.03525	19.22616	0.6426898	1.23870102	0.8586676	20	10 28.9	16.7
87685 2000 SR_{3}	14.4	X	145.61482	314.78268	78.81695	12.01155	0.0731400	0.17567836	3.1573583	20	3 17.7	19.3
87686 2000 SW_{6}	15.4	X	320.41723	331.79714	298.84140	13.84519	0.1664797	0.23514331	2.5996465	20	4 3.9	18.8
87687 2000 SL_{12}	15.4	X	122.53815	352.52249	9.86753	7.34896	0.1353941	0.27031992	2.3689216	20	1 1.7	18.5
87688 2000 SP_{12}	15.9	X	26.73713	270.62093	77.58055	4.22374	0.3028568	0.25417371	2.4682111	20	—	—
87689 2000 SB_{13}	15.1	X	272.71829	61.20846	322.94152	3.53271	0.1641945	0.24162694	2.5529314	20	7 10.1	18.2
87690 2000 SG_{13}	14.7	X	313.66187	152.15114	314.70473	6.58993	0.2295319	0.25839513	2.4412551	20	—	—
87691 2000 SH_{13}	15.6	X	230.00897	5.49504	359.05518	9.41059	0.0982925	0.23481865	2.6020422	20	4 27.3	19.6
87692 2000 SS_{13}	15.1	X	273.25171	162.76323	156.18995	11.39848	0.0863302	0.18375896	3.0641054	20	4 29.7	19.6
87693 2000 SV_{13}	15.8	X	179.68077	279.39974	70.71774	6.05489	0.1111254	0.22398660	2.6852704	20	2 24.1	20.0
87694 2000 SX_{13}	14.5	X	167.38570	143.13616	253.98892	11.41793	0.1412191	0.22921928	2.6442466	20	4 3.4	18.8
87695 2000 SM_{14}	13.9	X	272.68021	338.93987	290.10123	14.34360	0.1027340	0.17929047	3.1148077	20	2 17.3	18.7
87696 2000 SQ_{14}	14.9	X	113.42248	184.95858	256.17742	10.97449	0.1609870	0.22642259	2.6659759	20	4 5.4	18.9
87697 2000 SA_{15}	13.9	X	76.19915	143.07016	307.15946	12.15220	0.1900463	0.22073965	2.7115388	20	3 3.9	17.3
87698 2000 SK_{15}	14.9	X	199.24833	151.21713	217.74368	12.95684	0.1083265	0.22911329	2.6450620	20	4 1.3	19.0
87699 2000 SP_{17}	15.1	X	174.35165	67.33314	213.09573	5.64444	0.0160205	0.21333400	2.7739332	20	—	—
87700 2000 SE_{18}	15.3	X	145.14808	80.08522	338.64592	14.53343	0.0642578	0.22732309	2.6589307	20	3 31.3	19.4
87701 2000 SK_{19}	14.8	X	223.66030	88.90255	213.54098	11.94218	0.0661116	0.17480824	3.1678270	20	2 10.0	19.9
87702 2000 SO_{22}	15.0	X	230.22298	211.82958	126.66391	14.27520	0.1984299	0.22962389	2.6411395	20	3 27.9	19.5
87703 2000 SE_{23}	14.6	X	230.63895	208.28627	156.91156	1.75615	0.1872464	0.18115250	3.0934267	20	4 27.6	19.6
87704 2000 SG_{23}	13.8	X	172.46513	319.62630	92.06506	2.16307	0.2795244	0.12555705	3.9498018	20	5 6.3	20.5
87705 2000 SY_{24}	15.0	X	126.18825	273.62643	136.22705	8.63481	0.1696777	0.22060487	2.7126431	20	3 19.3	19.1
87706 2000 SM_{25}	15.1	X	159.54144	102.17671	211.88955	12.28452	0.1199481	0.22051770	2.7133579	20	—	—
87707 2000 SS_{25}	15.1	X	163.00284	55.49333	212.48942	11.96280	0.1593674	0.21620348	2.7493346	20	—	—
87708 2000 SM_{27}	15.2	X	219.19167	71.99717	244.16090	7.18796	0.0234212	0.17503458	3.1650954	20	2 24.0	19.9
87709 2000 SH_{28}	14.9	X	307.34287	40.67930	238.96622	11.83803	0.2174390	0.23415705	2.6069411	20	3 22.7	18.4
87710 2000 SY_{28}	14.3	X	296.12387	53.20738	228.57041	15.87294	0.1888452	0.18137841	3.0908576	20	3 19.6	18.9
87711 2000 SE_{33}	15.7	X	118.80431	281.91983	150.91034	5.52399	0.1080220	0.22495034	2.6775953	20	3 31.3	19.5
87712 2000 SA_{34}	15.6	X	265.74496	188.47369	101.20556	4.33023	0.0984554	0.22869049	2.6483211	20	3 8.5	19.4
87713 2000 SO_{34}	15.9	X	176.45472	349.69465	16.78966	1.63077	0.0648564	0.22591426	2.6699735	20	3 7.2	19.7
87714 2000 SD_{36}	15.3	X	187.55692	213.35733	42.47123	5.05285	0.0198780	0.21143968	2.7904767	20	—	—
87715 2000 SM_{36}	15.0	X	336.42526	214.39449	18.60917	22.11945	0.0058541	0.22904963	2.6455521	20	4 6.7	18.5
87716 2000 SP_{36}	15.5	X	223.84652	294.47909	32.57686	11.86911	0.1188213	0.22740028	2.6583289	20	3 12.2	19.7
87717 2000 SK_{38}	15.5	X	87.45309	12.76576	35.18717	3.46295	0.0882096	0.21771877	2.7365631	20	1 16.6	19.0
87718 2000 SY_{42}	15.5	X	309.14522	12.52401	273.78846	3.79100	0.2112963	0.23459109	2.6037246	20	4 7.2	18.7
87719 2000 SL_{45}	14.6	X	174.50351	136.16041	257.18024	12.96683	0.1164587	0.23121952	2.6289746	20	4 3.9	18.9
87720 2000 SS_{45}	14.9	X	318.72464	101.86586	228.16637	12.29394	0.1787338	0.24360274	2.5391085	20	7 3.6	17.6
87721 2000 SV_{45}	14.4	X	205.85218	146.65812	307.14461	24.26604	0.2153190	0.24099322	2.5574049	20	7 23.9	18.6
87722 2000 SD_{46}	13.9	X	286.82437	80.91213	295.01990	13.35686	0.2011002	0.23996824	2.5646821	20	7 13.0	16.8
87723 2000 SE_{46}	14.6	X	130.80400	133.30012	301.32476	15.11453	0.1431663	0.22422191	2.6833913	20	4 10.4	19.1
87724 2000 SH_{46}	14.3	X	316.22066	36.09374	288.13369	12.83271	0.2188283	0.23900648	2.5715576	20	6 15.5	16.9
87725 2000 SK_{46}	14.8	X	227.88004	170.66215	254.02890	12.70649	0.1641243	0.24165655	2.5527228	20	7 8.2	18.8
87726 2000 SZ_{46}	15.5	X	291.23589	64.39411	194.69739	15.19427	0.1236490	0.23145277	2.6272080	20	2 19.6	19.4
87727 2000 SA_{47}	14.7	X	292.12473	140.66084	245.74513	10.94608	0.0610308	0.19624460	2.9327221	20	8 16.7	18.9
87728 2000 SU_{47}	15.1	X	86.64905	167.42521	298.64587	11.78077	0.1252380	0.22708389	2.6607975	20	3 27.5	18.8
87729 2000 SW_{47}	15.0	X	257.02070	55.16967	287.56494	11.29484	0.0568890	0.23528465	2.5986053	20	5 5.6	18.8
87730 2000 SJ_{50}	14.9	X	331.62131	96.49342	201.44080	7.16747	0.0461673	0.18858477	3.0116071	20	6 22.6	18.9
87731 2000 SA_{53}	14.5	X	108.21845	15.73674	35.18118	9.27067	0.0608872	0.17192840	3.2031034	20	2 22.1	19.2
87732 2000 SQ_{55}	15.4	X	84.31061	205.78850	200.11048	4.23082	0.0825806	0.21742967	2.7389883	20	1 7.4	18.9
87733 2000 SD_{56}	15.4	X	107.43434	182.15205	192.79811	5.76664	0.0292815	0.21703958	2.7422692	20	—	—
87734 2000 SO_{58}	16.3	X	192.62050	57.50056	303.96427	1.09295	0.1622836	0.22710947	2.6605978	20	3 18.5	20.7
87735 2000 SU_{58}	15.4	X	274.14304	243.93477	304.06926	0.97181	0.0155302	0.21400283	2.7681505	20	—	—
87736 2000 SG_{60}	15.5	X	200.84818	8.69782	351.54956	2.61768	0.1147241	0.22799636	2.6536936	20	3 24.9	19.5
87737 2000 SX_{60}	16.1	X	197.23787	269.70699	91.79051	0.49181	0.1373015	0.22772815	2.6557768	20	3 23.4	20.1
87738 2000 SG_{61}	15.3	X	218.90065	255.49797	80.33343	3.26395	0.0851211	0.22699904	2.6614606	20	3 16.0	19.2
87739 2000 SQ_{62}	15.6	X	250.91997	141.23375	189.22032	8.79388	0.0689765	0.23111945	2.6297334	20	4 14.6	19.2
87740 2000 SK_{63}	15.1	X	108.54991	315.82074	43.07399	5.23116	0.0761889	0.21410421	2.7672767	20	—	—
87741 2000 SP_{63}	15.3	X	229.64503	273.89478	125.19340	3.36998	0.0846733	0.23560683	2.5962358	20	6 16.4	19.0
87742 2000 SH_{65}	15.3	X	191.34049	226.76584	148.00403	1.66526	0.0906329	0.22812364	2.6527064	20	4 3.3	19.1
87743 2000 SP_{65}	14.9	X	343.07664	149.19953	176.67952	10.54207	0.1202386	0.19336224	2.9617946	20	8 13.8	18.4
87744 2000 SX_{65}	15.0	X	81.42279	223.82744	182.96036	5.64141	0.0496469	0.21672334	2.7449362	20	—	—
87745 2000 SX_{66}	14.6	X	224.75963	282.30509	96.66231	2.97306	0.1943359	0.18220252	3.0815305	20	5 8.6	19.7
87746 2000 SY_{70}	15.0	X	317.75149	304.85182	47.14808	3.25878	0.2239635	0.19249375	2.9706966	20	7 27.2	18.1
87747 2000 ST_{71}	14.8	X	228.06364	204.80874	23.37616	4.52344	0.1045000	0.21308211	2.7761189	20	—	—
87748 2000 SR_{72}	14.9	X	321.51892	325.86162	49.42066	7.82994	0.1323607	0.24514652	2.5284375	20	9 29.5	17.4
87749 2000 SU_{72}	15.0	X	118.38525	331.47702	32.16857	9.45702	0.1447805	0.21568085	2.7537742	20	1 10.1	19.0
87750 2000 SN_{73}	15.5	X	181.17034	276.54783	33.32502	12.26617	0.1704867	0.21863367	2.7289234	20	1 10.8	20.2
87751 2000 SA_{74}	15.9	X	249.49658	223.63078	130.42915	5.11887	0.1440991	0.23297296	2.6157669	20	5 6.1	19.8
87752 2000 SH_{74}	15.4	X	232.09215	321.40819	28.61112	13.60354	0.3206960	0.23147768	2.6270195	20	4 3.2	20.1
87753 2000 SS_{75}	15.3	X	165.66864	220.83094	146.75907	7.26482	0.1109378	0.22243027	2.6977816	20	2 29.3	19.4
87754 2000 SA_{76}	14.7	X	82.46237	153.00827	65.35962	6.04278	0.0477560	0.23966130	2.5668714	20	8 20.7	18.1
87755 2000 SU_{80}	14.6	X	132.71953	244.81736	171.91234	11.93257	0.1072108	0.17368107	3.1815181	20	3 29.9	19.4
87756 2000 SK_{81}	15.2	X	210.84430	51.98438	180.61313	5.67058	0.1060113	0.21166228	2.7885198	20	—	—
87757 2000 SN_{84}	15.4	X	164.79210	260.63671	104.06195	2.42972	0.1721863	0.22268979	2.6956852	20	2 28.9	19.8
87758 2000 SL_{85}	15.0	X	147.65501	314.81796	35.63604	14.44426	0.2116060	0.21849346	2.7300907	20	2 4.7	19.6
87759 2000 SC_{88}	14.4	X	209.96638	239.73598	124.49549	6.52590	0.1807067	0.17761532	3.1343617	20	4 11.4	19.6
87760 2000 SF_{88}	15.2	X	87.28558	265.62270	110.69072	6.48702	0.1500506	0.21152891	2.7896918	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
87761 2000 SG_{89}	14.3	X	191.57843	138.14979	260.23139	13.33012	0.1586122	0.23075396	2.6325094	20	4 29.7	18.8
87762 2000 SN_{89}	14.1	X	211.59732	100.99566	31.62657	10.12167	0.0977593	0.19279691	2.9675816	20	9 23.8	18.6
87763 2000 SL_{90}	14.8	X	118.54863	187.91904	282.96809	13.77622	0.0630573	0.23321684	2.6139430	20	5 8.7	18.7
87764 2000 SW_{90}	14.0	X	139.71901	113.98871	240.55347	20.95144	0.0503432	0.16819411	3.2503405	20	1 12.2	19.0
87765 2000 SZ_{90}	14.4	X	236.80149	98.72520	236.00323	21.01772	0.1670307	0.18022415	3.1040406	20	3 23.0	19.7
87766 2000 SF_{91}	15.2	X	253.34950	345.02953	261.09097	11.32860	0.1293657	0.22362321	2.6881787	20	—	—
87767 2000 SZ_{91}	14.7	X	289.84376	24.67496	261.84514	10.78949	0.0862392	0.18372987	3.0644288	20	4 1.2	19.1
87768 2000 SC_{92}	14.6	X	141.11445	132.41048	228.95374	14.18071	0.0707447	0.17155751	3.2077184	20	1 24.4	19.6
87769 2000 SC_{94}	14.8	X	60.38968	40.39013	207.32948	15.08416	0.1570254	0.19617494	2.9334163	20	9 4.2	19.1
87770 2000 SB_{95}	14.1	X	262.68258	90.61724	251.11879	10.49110	0.1198636	0.18450707	3.0558172	20	5 6.4	18.6
87771 2000 SB_{96}	15.5	X	173.63506	97.92996	229.69543	4.85041	0.1257951	0.22056021	2.7130092	20	1 19.3	19.8
87772 2000 SQ_{97}	15.7	X	298.33032	96.62253	232.99661	5.55185	0.1557494	0.23826991	2.5768546	20	6 1.9	18.6
87773 2000 SR_{98}	15.7	X	229.59743	358.87253	332.05603	4.08997	0.1402979	0.22867914	2.6484087	20	3 15.2	19.8
87774 2000 SO_{99}	15.6	X	184.56428	67.28937	255.24534	4.00142	0.0381429	0.21992660	2.7182176	20	1 20.1	19.5
87775 2000 SZ_{100}	14.7	X	194.00141	92.37993	243.99950	13.25343	0.2006060	0.22282008	2.6946343	20	2 14.4	19.5
87776 2000 SK_{104}	15.3	X	108.13239	144.33201	191.20243	4.02602	0.0737459	0.21102979	2.7940888	20	—	—
87777 2000 SR_{107}	15.6	X	165.93347	77.47400	259.67321	1.12125	0.1022041	0.21925074	2.7238008	20	1 22.6	19.5
87778 2000 SU_{107}	15.2	X	167.99151	290.46182	359.27233	4.08680	0.0325214	0.21240704	2.7819978	20	—	—
87779 2000 SY_{108}	14.9	X	166.55229	6.60507	33.97740	2.26686	0.0909894	0.22679431	2.6630620	20	4 9.4	18.9
87780 2000 SM_{111}	14.6	X	235.97119	319.55004	32.34311	6.85150	0.1910699	0.18121278	3.0927407	20	4 16.0	19.6
87781 2000 SP_{111}	15.6	X	127.65414	307.31295	18.18473	2.09383	0.1257304	0.21244367	2.7816780	20	—	—
87782 2000 SF_{114}	14.5	X	227.69574	235.94326	29.34628	10.37694	0.1706066	0.21885590	2.7270758	20	—	—
87783 2000 SH_{114}	15.5	X	304.62632	326.50238	48.49085	2.64671	0.2014907	0.24247111	2.5470026	20	8 14.3	17.9
87784 2000 SC_{115}	15.5	X	192.80535	289.22407	20.49377	5.07414	0.1508925	0.21963020	2.7206625	20	1 19.5	20.0
87785 2000 SW_{115}	15.6	X	283.48673	321.87601	34.67399	4.16707	0.2858452	0.23852767	2.5749978	20	5 26.9	19.1
87786 2000 SV_{116}	15.6	X	316.10549	242.44402	65.39997	4.59025	0.2153002	0.23752808	2.5822170	20	5 21.3	18.0
87787 2000 SV_{117}	15.0	X	184.24012	305.13668	126.41851	4.01432	0.1443435	0.23139931	2.6276126	20	6 6.9	19.2
87788 2000 SX_{117}	15.9	X	131.27911	184.99483	182.10028	3.50750	0.2081868	0.21762219	2.7373727	20	2 2.6	20.0
87789 2000 SN_{120}	13.9	X	27.64122	205.49179	189.12268	11.75510	0.0687732	0.15555868	3.4240483	20	—	—
87790 2000 SS_{120}	13.9	X	23.95893	174.12492	45.14664	9.62909	0.1438511	0.23136983	2.6278358	20	5 31.8	16.6
87791 2000 SJ_{121}	15.0	X	102.38558	244.96866	145.29540	5.59766	0.1792799	0.21539924	2.7561738	20	1 26.7	18.6
87792 2000 SG_{124}	15.7	X	171.84375	200.80884	173.68498	3.21302	0.2089888	0.22359738	2.6883857	20	3 18.4	20.2
87793 2000 SN_{127}	15.8	X	118.75704	189.00283	194.72422	5.71623	0.0804354	0.21745410	2.7387831	20	1 23.3	19.6
87794 2000 SQ_{127}	15.8	X	191.16380	162.41112	183.99222	4.38014	0.1112755	0.22347064	2.6894021	20	2 27.3	20.0
87795 2000 SZ_{127}	14.7	X	300.22387	143.94085	184.99303	11.46368	0.0987359	0.18548715	3.0450435	20	6 12.6	18.9
87796 2000 SD_{128}	15.0	X	302.30194	329.22766	112.61647	3.12623	0.0616266	0.19954614	2.9002838	20	11 18.1	18.6
87797 2000 SF_{130}	14.7	X	44.75646	24.90896	251.25383	14.85103	0.0985495	0.19764318	2.9188705	20	9 7.9	19.0
87798 2000 SG_{130}	15.3	X	265.76452	29.31300	274.22490	13.29891	0.1124812	0.23170142	2.6253281	20	3 14.6	19.4
87799 2000 SP_{130}	14.7	X	178.51480	154.46601	241.03709	12.01199	0.1639897	0.22946646	2.6423473	20	4 14.3	19.1
87800 2000 SK_{131}	15.6	X	294.80712	12.22388	250.60613	12.25701	0.1333132	0.23025525	2.6363092	20	2 24.8	19.5
87801 2000 SC_{132}	14.2	X	136.50186	88.32924	286.66886	14.48023	0.0959565	0.17043738	3.2217572	20	2 7.5	19.2
87802 2000 SO_{132}	14.9	X	249.48676	353.48479	296.10351	14.30100	0.1076675	0.22563750	2.6721563	20	2 12.9	19.0
87803 2000 SE_{137}	15.0	X	254.89591	125.72559	234.05577	12.10434	0.1945705	0.23466116	2.6032062	20	5 11.5	18.7
87804 2000 SS_{137}	15.2	X	136.03581	100.06320	313.66400	11.14529	0.1664098	0.22314233	2.6920393	20	3 25.4	19.5
87805 2000 SK_{140}	15.0	X	102.82474	9.08045	329.73413	4.63282	0.0182789	0.20976758	2.8052859	20	—	—
87806 2000 SR_{140}	15.4	X	212.96719	50.25316	290.58549	2.84626	0.1066284	0.22629702	2.6669620	20	3 12.3	19.4
87807 2000 SZ_{141}	15.3	X	83.90348	202.73443	222.37845	5.39470	0.0555770	0.21816191	2.7328561	20	1 26.6	18.9
87808 2000 SO_{142}	14.3	X	214.66710	115.87132	236.47582	15.95380	0.1638901	0.17738389	3.1370873	20	3 25.6	19.7
87809 2000 SE_{143}	14.6	X	223.47827	101.46345	247.34742	4.02069	0.1510310	0.17843085	3.1248038	20	4 1.9	19.6
87810 2000 SE_{145}	15.9	X	202.83996	6.76737	356.06527	4.10303	0.1985590	0.22767212	2.6562125	20	3 28.7	20.4
87811 2000 SO_{145}	13.3	X	145.53653	220.67502	203.77149	12.69102	0.2202491	0.12468488	3.9681998	20	4 29.7	19.7
87812 2000 SL_{146}	14.4	X	195.48972	162.78673	204.90457	17.02754	0.2185844	0.17675791	3.1444894	20	3 30.0	19.9
87813 2000 SC_{147}	14.6	X	168.09707	129.94582	208.66128	4.11352	0.1365502	0.16960624	3.2322740	20	2 2.4	19.7
87814 2000 SG_{154}	14.7	X	227.15605	319.98064	24.30025	5.06267	0.2122381	0.17840188	3.1251421	20	3 29.8	20.0
87815 2000 SR_{155}	15.5	X	218.76804	243.19480	156.83608	5.11719	0.2379616	0.23162975	2.6258696	20	5 26.4	20.0
87816 2000 SA_{156}	14.5	X	193.99395	87.11335	223.94852	4.12015	0.1155911	0.16954449	3.2330588	20	1 24.8	19.6
87817 2000 SF_{157}	13.9	X	186.90831	101.67105	321.66690	14.21695	0.1756869	0.23056967	2.6339120	20	5 26.6	18.5
87818 2000 SS_{157}	15.5	X	167.43615	147.29983	223.76895	5.29373	0.0343937	0.22440237	2.6819525	20	2 27.2	19.4
87819 2000 SZ_{161}	14.5	X	230.78471	263.17037	106.95774	11.94116	0.1288141	0.18227558	3.0807069	20	5 11.6	19.4
87820 2000 SD_{162}	14.9	X	204.34061	270.05430	146.88648	12.61363	0.1813117	0.23253398	2.6190579	20	6 7.7	19.4
87821 2000 ST_{162}	14.1	X	61.83791	237.35080	347.15052	7.11776	0.1399049	0.23763435	2.5814471	20	8 14.1	17.4
87822 2000 SB_{165}	14.5	X	217.68586	346.71821	225.82107	16.27703	0.1212863	0.21090991	2.7951475	20	12 31.4	18.8
87823 2000 SA_{167}	15.3	X	124.07318	102.36577	272.36792	7.72903	0.1563194	0.21733639	2.7397719	20	1 28.3	19.3
87824 2000 SG_{167}	14.9	X	166.01365	95.83400	233.04928	7.71387	0.2052964	0.21899180	2.7259474	20	1 18.4	19.5
87825 2000 SF_{168}	15.5	X	169.33197	356.50686	328.04061	9.02673	0.1240054	0.21778400	2.7360167	20	1 14.4	19.7
87826 2000 SM_{168}	14.8	X	103.54942	130.12310	227.80427	11.35119	0.1547309	0.21255912	2.7806706	20	—	—
87827 2000 SB_{170}	14.5	X	109.32848	7.89803	7.54413	5.95493	0.0914411	0.21414194	2.7669516	20	1 5.7	18.3
87828 2000 SS_{170}	15.0	X	186.24162	296.36095	28.49212	13.69499	0.2155315	0.22026393	2.7154416	20	2 6.6	19.9
87829 2000 SA_{173}	14.3	X	13.48014	248.17960	253.52392	20.75582	0.0443478	0.22218587	2.6997596	20	1 19.9	18.2
87830 2000 SL_{173}	14.7	X	132.18526	153.12167	259.65191	12.12765	0.0768413	0.22403512	2.6848826	20	3 9.5	18.8
87831 2000 SY_{174}	15.4	X	254.45533	94.53314	281.17442	6.05460	0.2101408	0.23549093	2.5970876	20	5 29.5	19.4
87832 2000 SD_{178}	14.6	X	29.75737	83.38405	295.47957	4.78711	0.1294467	0.20318959	2.8655088	20	—	—
87833 2000 SL_{178}	14.7	X	19.78243	211.48708	237.02240	12.30487	0.0322366	0.21047417	2.7990039	20	—	—
87834 2000 SD_{179}	14.1	X	357.61776	314.89118	350.25054	5.31536	0.0950134	0.23925007	2.5698119	20	8 19.2	16.8
87835 2000 SE_{182}	15.5	X	346.28123	180.88580	89.36943	7.30923	0.2032770	0.24062380	2.5600218	20	5 31.1	17.4
87836 2000 SH_{183}	14.6	X	251.52043	233.88243	352.73485	10.88794	0.0050662	0.16796521	3.2532929	20	—	—
87837 2000 SK_{186}	15.0	X	158.63527	317.45208	97.95750	6.97089	0.1068814	0.22758740	2.6568716	20	4 23.4	19.1
87838 2000 SA_{187}	15.0	X	262.94160	42.63763	308.24202	12.99203	0.1949216	0.23570124	2.5955425	20	5 3.6	19.1
87839 2000 SX_{190}	15.6	X	136.53580	16.78586	319.23800	3.71322	0.0810097	0.21531197	2.7569186	20	—	—
87840 2000 SW_{193}	15.4	X	241.69718	251.34504	70.96179	5.72255	0.1297003	0.23026158	2.6362610	20	3 21.1	19.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
87841 2000 SU_{198}	15.9	X	133.88986	34.03338	12.07922	2.46683	0.0770365	0.22413745	2.6840654	20	3 10.1	19.7
87842 2000 SW_{199}	15.4	X	184.68536	85.21777	199.08929	6.81314	0.1243804	0.21594790	2.7515034	20	—	—
87843 2000 SH_{202}	15.2	X	254.45238	215.76157	7.56389	9.02088	0.0967814	0.21656597	2.7462658	20	—	—
87844 2000 SS_{203}	15.1	X	338.87555	231.49371	36.99182	1.89498	0.1025061	0.18534864	3.0465603	20	5 21.0	18.6
87845 2000 SG_{208}	15.3	X	297.49647	141.97484	186.91085	1.50116	0.2100724	0.18642929	3.0347758	20	5 22.1	19.1
87846 2000 SS_{209}	15.4	X	125.37773	235.19601	124.78009	7.38636	0.0895136	0.21629680	2.7485437	20	1 4.7	19.1
87847 2000 SM_{210}	14.6	X	219.11715	283.36238	69.87535	10.70517	0.1839419	0.17928745	3.1148427	20	4 7.9	19.9
87848 2000 SJ_{212}	14.7	X	224.48195	232.21911	132.00721	8.42747	0.1743695	0.18028973	3.1032878	20	4 24.6	19.8
87849 2000 SR_{212}	14.4	X	264.71167	275.14237	83.47746	9.80763	0.2586893	0.18576110	3.0420490	20	5 15.7	19.1
87850 2000 SP_{213}	15.1	X	254.96723	296.65281	49.55517	13.87250	0.3030988	0.23393695	2.6085760	20	4 17.6	19.5
87851 2000 SD_{218}	15.4	X	131.80344	271.94673	165.90359	11.94469	0.2631786	0.22348073	2.6893211	20	5 7.0	20.0
87852 2000 SP_{219}	14.6	X	205.33435	179.16663	98.94489	10.24616	0.1233054	0.21530164	2.7570067	20	—	—
87853 2000 SW_{219}	15.3	X	284.08475	233.42334	173.37624	12.12063	0.1737770	0.24178704	2.5518043	20	8 25.3	18.3
87854 2000 SY_{219}	14.9	X	134.70239	187.89458	159.88799	9.73157	0.1612276	0.21493928	2.7601045	20	1 9.1	19.1
87855 2000 SB_{220}	15.2	X	234.49482	312.11774	112.59815	7.14619	0.1595049	0.23646144	2.5899766	20	7 17.7	19.1
87856 2000 SM_{220}	15.6	X	195.81553	258.57382	51.22249	13.75281	0.1852994	0.22055670	2.7130380	20	1 24.6	20.3
87857 2000 SD_{222}	15.1	X	305.55319	168.50459	173.11903	14.28619	0.2966161	0.23896156	2.5718799	20	6 8.1	18.3
87858 2000 ST_{225}	15.6	X	70.39387	248.20754	152.97607	7.89742	0.2434889	0.21111804	2.7933101	20	1 3.5	18.5
87859 2000 SX_{225}	13.3	X	110.85959	81.58525	69.69163	17.10263	0.1813240	0.17773942	3.1329025	20	7 7.0	18.3
87860 2000 SR_{226}	15.2	X	155.07377	136.76687	186.19897	13.58173	0.1818181	0.21366199	2.7710936	20	1 1.6	19.9
87861 2000 SH_{229}	15.7	X	244.17634	105.86941	210.09737	2.93044	0.0535199	0.22589567	2.6701200	20	3 19.2	19.5
87862 2000 SJ_{231}	14.7	X	272.18853	260.27057	245.29154	5.07638	0.0226556	0.20366839	2.8610161	20	12 30.6	18.5
87863 2000 SE_{234}	14.5	X	247.42546	289.45387	42.23008	11.52025	0.0603481	0.18089026	3.0964157	20	4 16.8	19.0
87864 2000 SQ_{238}	15.4	X	143.00138	215.98558	119.37778	7.80951	0.1364988	0.21526472	2.7573219	20	—	—
87865 2000 SK_{240}	15.4	X	283.99537	13.10660	343.73283	27.78522	0.2118636	0.23792503	2.5793442	20	6 5.2	19.5
87866 2000 SB_{243}	15.5	X	271.42315	203.53247	113.11012	4.17485	0.1089764	0.23395400	2.6084493	20	4 17.3	19.1
87867 2000 SJ_{245}	14.8	X	214.74426	275.92252	61.30024	5.60941	0.1352510	0.17840062	3.1251568	20	3 16.4	19.8
87868 2000 SR_{251}	14.9	X	246.39978	275.78853	65.87731	3.22275	0.0626094	0.18162868	3.0880176	20	4 26.5	19.4
87869 2000 SD_{256}	15.3	X	195.02760	223.87055	93.89760	6.11291	0.0354605	0.21994474	2.7180681	20	1 27.8	19.1
87870 2000 SQ_{257}	15.6	X	99.68666	310.10356	51.21056	4.18765	0.1022445	0.21268278	2.7795927	20	—	—
87871 2000 SX_{262}	15.4	X	153.52851	246.71327	116.25622	5.83221	0.1938832	0.22080919	2.7109694	20	2 18.7	19.8
87872 2000 SE_{268}	14.9	X	326.37252	210.25151	41.63855	16.32875	0.1657218	0.22947555	2.6422776	20	4 3.5	18.0
87873 2000 SH_{269}	14.9	X	44.62940	227.47760	144.04443	5.85187	0.1147787	0.20456138	2.8526837	20	—	—
87874 2000 SW_{269}	15.1	X	101.80079	327.57337	58.46894	9.93419	0.1529249	0.21431728	2.7654422	20	1 19.1	18.9
87875 2000 ST_{270}	15.3	X	185.11301	82.48045	181.05712	11.53306	0.0870387	0.21027272	2.8007914	20	—	—
87876 2000 SB_{271}	15.6	X	249.69179	122.01330	186.07891	9.62055	0.1657926	0.22670909	2.6637293	20	3 4.5	19.8
87877 2000 SS_{273}	15.1	X	291.12183	237.10194	86.66965	1.56874	0.1361984	0.18414033	3.0598733	20	5 18.0	19.3
87878 2000 SG_{275}	15.4	X	138.83749	144.78622	199.91614	13.68718	0.2022992	0.21512504	2.7585154	20	1 12.3	19.9
87879 2000 SH_{275}	13.8	X	120.19977	58.62539	84.61381	6.04259	0.1082494	0.17932767	3.1143769	20	6 29.7	18.6
87880 2000 SO_{276}	14.6	X	233.11341	139.39549	217.59099	10.26457	0.1459878	0.17998974	3.1067350	20	4 22.2	19.4
87881 2000 SC_{277}	15.2	X	149.91007	341.39002	33.39447	15.56292	0.2135399	0.22007520	2.7169938	20	3 8.3	19.8
87882 2000 SN_{278}	14.1	X	154.06805	117.32755	39.07650	10.45949	0.0272293	0.18798601	3.0179986	20	8 24.1	18.6
87883 2000 SO_{278}	13.9	X	258.84270	67.35258	222.01722	21.94841	0.2012248	0.17548106	3.1597245	20	2 15.4	19.4
87884 2000 SN_{279}	15.1	X	188.87928	167.79217	94.96366	6.64825	0.0269938	0.21258482	2.7804465	20	—	—
87885 2000 SF_{283}	15.9	X	181.82741	132.13936	245.93838	9.25371	0.1334481	0.22682915	2.6627893	20	3 25.2	20.2
87886 2000 SJ_{285}	14.7	X	125.38174	219.41264	230.20466	8.98360	0.1579575	0.22588128	2.6702334	20	5 2.9	18.6
87887 2000 SS_{286}	15.2	X	14.67850	163.46610	299.16759	8.35828	0.1150648	0.21563108	2.7541979	20	—	—
87888 2000 ST_{287}	14.8	X	256.45216	322.51950	347.55240	12.77620	0.1563442	0.22576377	2.6711599	20	3 14.7	18.8
87889 2000 SA_{288}	14.4	X	212.32802	110.59422	282.00521	11.69420	0.2102206	0.22958166	2.6414634	20	5 9.5	19.1
87890 2000 SE_{288}	15.0	X	113.15640	79.32715	310.42390	7.81481	0.2624836	0.21484182	2.7609392	20	2 17.8	19.1
87891 2000 SW_{290}	15.7	X	180.18415	135.35695	219.69990	5.23498	0.0303925	0.22365564	2.6879188	20	2 22.1	19.5
87892 2000 SS_{292}	13.9	X	275.45701	172.88846	274.94478	10.88401	0.0123248	0.19653327	2.9298496	20	10 19.7	18.1
87893 2000 SL_{293}	14.5	X	137.02209	48.47379	309.47472	8.67628	0.1305313	0.21569786	2.7536294	20	1 21.4	18.6
87894 2000 SF_{295}	14.1	X	147.03092	139.58296	23.42057	13.46953	0.0976488	0.23494247	2.6011279	20	9 1.0	18.2
87895 2000 SP_{298}	15.2	X	312.73958	268.05632	348.89694	13.91910	0.1770076	0.23069549	2.6329542	20	3 11.2	18.6
87896 2000 SE_{300}	15.5	X	175.59614	6.91829	311.08550	3.01333	0.1330643	0.21866383	2.7286725	20	1 11.9	19.8
87897 2000 SH_{300}	15.7	X	151.41490	41.93422	296.79428	3.26330	0.1243820	0.21755865	2.7379057	20	1 12.0	19.6
87898 2000 SC_{305}	14.5	X	259.20542	26.57669	265.46979	8.17727	0.0449690	0.17489351	3.1667972	20	3 9.1	19.3
87899 2000 SH_{306}	14.6	X	350.54453	218.63678	317.80360	10.76882	0.1296725	0.22114279	2.7082424	20	1 31.6	17.8
87900 2000 SJ_{306}	14.7	X	254.61309	86.88016	255.50359	9.08362	0.0627681	0.18202696	3.0835115	20	5 4.9	19.2
87901 2000 SN_{306}	14.7	X	345.99043	208.35612	295.83545	8.00728	0.0979709	0.21511702	2.7585839	20	—	—
87902 2000 SQ_{307}	14.6	X	350.42289	304.05191	351.68600	11.76420	0.1641152	0.23971672	2.5664758	20	7 27.3	17.2
87903 2000 ST_{308}	15.2	X	307.63250	34.63179	276.51192	6.09134	0.2040917	0.23655811	2.5892709	20	5 11.5	18.1
87904 2000 SR_{309}	15.5	X	280.47554	148.86218	138.49375	6.62027	0.1627378	0.23013603	2.6372197	20	3 13.9	19.2
87905 2000 SH_{310}	14.2	X	121.98509	99.21231	265.76544	15.93377	0.2157420	0.21653302	2.7465445	20	1 19.8	18.4
87906 2000 SP_{310}	14.5	X	111.60095	184.11300	269.43549	21.02722	0.0357788	0.22696462	2.6617296	20	3 26.7	18.7
87907 2000 SQ_{310}	14.6	X	252.25661	59.36659	332.40821	22.05146	0.0736965	0.23669838	2.5882478	20	7 12.8	18.5
87908 2000 SJ_{311}	14.4	X	99.44537	206.94415	252.70751	21.12273	0.0917236	0.22434006	2.6824492	20	3 30.4	18.6
87909 2000 SH_{312}	14.6	X	291.33239	30.38441	283.09352	13.99951	0.1600175	0.23467101	2.6031334	20	4 23.6	18.3
87910 2000 SV_{312}	14.1	X	242.74297	129.33489	298.44041	13.15165	0.1357987	0.23949070	2.5680903	20	8 2.1	17.6
87911 2000 SZ_{312}	14.8	X	271.77364	325.35003	319.89886	14.20727	0.1094562	0.22693221	2.6619831	20	3 2.6	18.6
87912 2000 SS_{313}	14.7	X	245.94645	316.63716	297.59802	11.49247	0.1381641	0.21866907	2.7286289	20	1 1.6	19.1
87913 2000 SU_{313}	15.3	X	241.03547	5.66256	291.57178	12.12924	0.2415013	0.22575093	2.6712612	20	2 7.1	20.0
87914 2000 SY_{313}	15.3	X	240.56220	36.64372	314.34858	11.45994	0.1801811	0.23094999	2.6310196	20	4 11.6	19.7
87915 2000 SB_{315}	15.3	X	162.57661	92.08747	289.70453	12.99930	0.0659682	0.22463553	2.6800964	20	3 3.9	19.4
87916 2000 SH_{315}	14.9	X	188.75696	352.87270	285.82594	11.64838	0.1511680	0.21535365	2.7565628	20	—	—
87917 2000 SF_{316}	14.1	X	322.44491	313.82202	239.33253	20.14134	0.0998671	0.17305878	3.1891402	20	1 17.6	18.8
87918 2000 SQ_{316}	14.8	X	308.39823	29.69892	265.61466	13.93221	0.0713888	0.23549686	2.5970440	20	5 11.0	18.1
87919 2000 SZ_{316}	14.0	X	152.58530	67.72168	288.40951	15.03599	0.1071709	0.17128135	3.2111653	20	2 3.6	19.0
87920 2000 SM_{317}	14.5	X	277.98154	12.28385	273.78226	13.87032	0.0621807	0.18028142	3.1033832	20	3 17.9	19.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
87921 2000 SC_{318}	15.0	X	237.98821	327.37421	305.40692	12.49031	0.2906653	0.22516268	2.6759117	20	1 9.9	19.9
87922 2000 SM_{318}	14.7	X	242.31532	306.32701	56.50589	13.37487	0.1393198	0.18381265	3.0635087	20	5 10.1	19.5
87923 2000 SV_{318}	14.4	X	244.21824	32.22526	323.35899	11.92912	0.2444682	0.23198507	2.6231877	20	4 15.5	19.0
87924 2000 SB_{319}	14.6	X	264.46955	7.69856	338.83450	14.33711	0.1703449	0.23277919	2.6172183	20	5 1.3	18.7
87925 2000 SG_{319}	13.6	X	295.14917	71.11168	280.89128	11.95796	0.1757281	0.23752608	2.5822316	20	6 25.8	16.6
87926 2000 SZ_{319}	13.4	X	209.39100	113.98348	254.29438	24.77254	0.2287480	0.17514009	3.1638242	20	4 4.6	19.2
87927 2000 SN_{321}	16.4	X	189.74820	163.87453	195.72036	1.52901	0.0927710	0.22705341	2.6610357	20	3 12.9	20.2
87928 2000 SB_{328}	15.5	X	129.06565	14.63495	286.10359	6.69196	0.1521659	0.20869477	2.8148916	20	—	—
87929 2000 SA_{331}	15.3	X	180.85741	154.08175	205.18607	8.90741	0.1193238	0.22234928	2.6984367	20	3 2.4	19.5
87930 2000 SS_{333}	15.5	X	308.61784	294.29134	93.34397	7.24277	0.2773358	0.24368179	2.5385594	20	9 3.5	17.5
87931 2000 ST_{333}	15.4	X	257.08880	208.85418	133.22250	14.26338	0.1835727	0.23471796	2.6027862	20	4 28.3	19.6
87932 2000 SW_{343}	14.3	X	122.99961	205.50244	273.57559	13.57897	0.1257240	0.23419728	2.6066426	20	6 4.4	18.2
87933 2000 SL_{346}	15.6	X	201.03890	28.19505	200.73635	2.21604	0.1094705	0.21054313	2.7983927	20	—	—
87934 2000 SF_{347}	13.6	X	146.10986	159.34958	280.42957	21.30000	0.0886190	0.22845747	2.6501216	20	5 1.5	17.9
87935 2000 SG_{347}	13.8	X	115.71282	127.39236	305.37131	21.02485	0.0921267	0.22321853	2.6914267	20	3 11.7	18.1
87936 2000 SG_{350}	15.2	X	186.10932	344.37698	47.93274	14.97946	0.0904555	0.22989508	2.6390621	20	4 22.2	19.1
87937 2000 SM_{350}	15.1	X	199.52149	323.45048	51.58666	14.91194	0.1654413	0.22942839	2.6426396	20	4 15.1	19.5
87938 2000 SL_{351}	15.5	X	235.42248	275.99007	129.98076	11.26490	0.2939499	0.23564204	2.5959772	20	6 12.9	20.0
87939 2000 SF_{353}	15.5	X	180.34459	253.84021	53.94890	12.59995	0.1390545	0.21641587	2.7475355	20	1 5.0	20.0
87940 2000 SQ_{354}	15.3	X	187.44873	228.12344	150.77611	15.03289	0.1002161	0.22933427	2.6433626	20	4 8.0	19.5
87941 2000 SG_{356}	14.2	X	231.62980	288.34943	98.68741	12.05102	0.1464477	0.18391658	3.0623545	20	5 29.5	19.1
87942 2000 SP_{356}	15.1	X	204.39718	238.15600	147.39430	15.46978	0.1288816	0.23033444	2.6357050	20	5 4.1	19.5
87943 2000 SM_{357}	15.6	X	316.58080	231.33992	134.24137	13.91767	0.2000223	0.24325878	2.5415015	20	8 26.6	17.8
87944 2000 SZ_{357}	14.0	X	162.44401	233.69846	130.41228	18.44990	0.1496013	0.17164644	3.2066104	20	3 1.9	19.3
87945 2000 SQ_{358}	14.4	X	188.33204	293.90937	138.00447	14.05456	0.1552328	0.23310810	2.6147559	20	6 12.6	18.8
87946 2000 SW_{359}	15.5	X	174.66577	83.37159	197.83726	2.17731	0.0346416	0.21283586	2.7782598	20	—	—
87947 2000 SJ_{360}	15.6	X	135.38922	290.06923	106.64728	14.10519	0.1246301	0.22341352	2.6898604	20	3 10.5	19.8
87948 2000 SY_{361}	15.7	X	287.27445	152.90667	113.06406	4.21371	0.1664309	0.22970775	2.6404966	20	2 22.8	19.3
87949 2000 SR_{362}	14.1	X	270.75574	102.65188	62.62518	9.89869	0.0967625	0.21224133	2.7834456	20	—	—
87950 2000 SG_{367}	15.0	X	295.16983	337.37640	282.35824	14.50182	0.0997197	0.23129921	2.6283707	20	2 24.9	18.9
87951 2000 SZ_{368}	15.6	X	195.36562	21.66297	316.77289	11.14497	0.1967770	0.22311793	2.6922356	20	2 21.7	20.1
87952 2000 SV_{369}	16.4	X	287.64671	215.63953	125.79996	7.32365	0.2612342	0.23968834	2.5666783	20	5 18.5	19.9
87953 2000 SC_{370}	15.8	X	269.33266	226.94852	86.47681	7.23465	0.1224243	0.23307194	2.6150263	20	4 10.4	19.6
87954 Tomkaye	14.7	X	257.76219	95.68365	275.74230	12.02381	0.1848541	0.23585638	2.5944041	20	5 30.7	18.7
87955 2000 TL_{4}	15.1	X	113.31417	219.68251	107.17555	6.11237	0.1687617	0.21392393	2.7688311	20	—	—
87956 2000 TM_{4}	14.2	X	132.42785	127.81929	307.08806	2.28088	0.2271080	0.12626106	3.9351060	20	4 29.8	20.6
87957 2000 TQ_{12}	15.3	X	100.79126	240.14337	113.51289	6.98627	0.0668212	0.21101681	2.7942033	20	—	—
87958 2000 TS_{15}	15.5	X	98.09644	340.82869	21.86132	4.57151	0.0815379	0.21159961	2.7890704	20	—	—
87959 2000 TF_{18}	14.6	X	267.37094	164.01831	28.53064	13.79700	0.0888996	0.20985219	2.8045319	20	—	—
87960 2000 TU_{19}	14.0	X	73.09156	120.78207	46.78324	13.97820	0.1238233	0.23235230	2.6204230	20	6 4.8	17.4
87961 2000 TV_{19}	15.5	X	335.70435	156.86583	148.63211	11.73411	0.1577214	0.24055215	2.5605301	20	7 5.2	18.1
87962 2000 TB_{20}	14.2	X	134.31355	313.61341	105.91625	10.74268	0.0894106	0.17469474	3.1691989	20	4 6.2	19.1
87963 2000 TK_{21}	14.4	X	208.90498	238.53270	95.32970	11.14009	0.0659433	0.17455153	3.1709321	20	3 11.6	19.3
87964 2000 TM_{28}	15.2	X	104.40814	46.44320	256.46543	3.95735	0.0969692	0.20544178	2.8445279	20	12 27.4	19.4
87965 2000 TX_{28}	14.2	X	250.18780	341.67616	18.73858	12.86820	0.1613250	0.23138389	2.6277294	20	5 7.8	18.3
87966 2000 TX_{32}	15.6	X	83.09346	77.31605	300.83877	5.59652	0.0932252	0.21302403	2.7766235	20	—	—
87967 2000 TR_{33}	15.1	X	87.83070	285.06611	112.08795	13.81660	0.1415175	0.21507332	2.7589576	20	1 10.5	18.6
87968 2000 TS_{33}	15.1	X	229.51630	222.05499	91.17120	13.94594	0.1883705	0.22642038	2.6659932	20	2 26.7	19.7
87969 2000 TV_{37}	14.9	X	120.06628	294.66145	130.69342	12.06647	0.2661278	0.22347442	2.6893717	20	4 13.8	19.4
87970 2000 TT_{38}	15.1	X	265.55656	331.42721	31.69595	8.57642	0.2156468	0.23797101	2.5790119	20	5 23.4	18.8
87971 2000 TW_{38}	14.5	X	297.21845	121.82229	146.77675	16.46557	0.0375910	0.18035123	3.1025823	20	4 4.8	19.0
87972 2000 TJ_{39}	14.8	X	338.94661	198.34632	116.19779	11.86973	0.0477953	0.19188511	2.9769751	20	7 26.3	18.6
87973 2000 TX_{39}	15.2	X	171.94696	239.66769	148.01474	13.13459	0.1047790	0.22836300	2.6508525	20	4 2.8	19.4
87974 2000 TR_{41}	15.2	X	267.60134	231.91444	26.50490	15.85706	0.2463518	0.22754575	2.6571958	20	1 20.4	19.9
87975 2000 TR_{42}	14.5	X	335.59643	143.43354	114.84647	11.12271	0.0514778	0.18385020	3.0630916	20	5 11.0	18.7
87976 2000 TP_{43}	15.0	X	57.78879	274.36532	152.98264	14.13789	0.1080870	0.21523097	2.7576101	20	—	—
87977 2000 TY_{43}	15.6	X	205.27349	242.56416	34.43199	2.86806	0.1265916	0.21707514	2.7419697	20	—	—
87978 2000 TG_{44}	16.2	X	348.31592	209.52579	107.39396	6.29479	0.1799460	0.24449951	2.5328962	20	8 25.1	18.3
87979 2000 TL_{45}	14.5	X	352.28778	235.17605	73.66683	11.24631	0.1099839	0.19271281	2.9684449	20	8 12.3	18.2
87980 2000 TT_{53}	16.0	X	185.64379	105.20171	204.38226	2.10459	0.1706905	0.21857173	2.7294390	20	1 12.3	20.3
87981 2000 TS_{55}	15.3	X	209.85186	288.21222	70.72303	14.08117	0.2316184	0.22728461	2.6592308	20	4 5.6	20.1
87982 2000 TA_{57}	15.1	X	205.18567	270.81534	49.90800	15.16282	0.1667002	0.22459698	2.6804031	20	2 17.4	19.8
87983 2000 TB_{57}	15.0	X	259.46516	246.47187	111.84720	11.95610	0.1306731	0.18566035	3.0431494	20	5 26.2	19.6
87984 2000 TP_{57}	15.7	X	332.70712	219.21504	113.88767	8.04401	0.2603739	0.24459945	2.5322062	20	8 7.8	17.3
87985 2000 TJ_{58}	15.6	X	244.41358	185.01376	155.45012	4.60478	0.1891186	0.23070687	2.6328677	20	4 8.9	19.8
87986 2000 TD_{59}	15.5	X	202.58520	238.95327	152.33593	13.80479	0.1677795	0.22993899	2.6387260	20	5 7.6	20.0
87987 2000 TF_{59}	14.9	X	166.01095	305.84370	73.68952	13.64626	0.1700234	0.22371310	2.6874585	20	3 25.2	19.5
87988 2000 TZ_{62}	15.1	X	182.20944	330.07229	123.33668	5.85315	0.1727907	0.23160061	2.6260899	20	7 1.9	19.3
87989 2000 UG_{1}	13.8	X	354.59671	233.85199	234.21561	12.99400	0.1718728	0.20613998	2.8381013	20	—	—
87990 2000 UV_{4}	15.1	X	31.32392	166.00566	223.46101	1.20142	0.0751638	0.20329752	2.8644945	20	—	—
87991 2000 UK_{6}	15.5	X	155.06477	125.81650	217.40018	3.87260	0.1506155	0.21719865	2.7409301	20	1 22.4	19.7
87992 2000 UL_{7}	15.1	X	77.31545	180.31841	229.01163	2.09262	0.1067543	0.21313999	2.7756163	20	1 6.2	18.5
87993 2000 UM_{10}	14.8	X	81.28707	337.50895	52.67340	13.14162	0.3205471	0.21113560	2.7931552	20	1 23.7	18.3
87994 2000 UA_{11}	14.6	X	206.25595	187.32778	310.97555	9.33542	0.0582880	0.19312607	2.9642087	20	9 20.9	19.0
87995 2000 UF_{12}	15.7	X	133.48765	181.45099	182.29440	3.64263	0.0913296	0.21630975	2.7484340	20	1 18.5	19.6
87996 2000 UP_{21}	15.4	X	95.79455	219.02476	143.18304	4.22616	0.1053184	0.21053136	2.7984971	20	—	—
87997 2000 UG_{24}	15.1	X	138.19621	214.10105	172.45572	5.07390	0.1226660	0.21880345	2.7275116	20	2 24.1	19.1
87998 2000 UY_{27}	15.5	X	74.01173	58.85432	323.38864	2.85822	0.0952382	0.21140982	2.7907394	20	—	—
87999 2000 UX_{28}	15.0	X	21.89724	34.00677	282.69705	9.85480	0.0821859	0.19327748	2.9626605	20	9 27.4	19.1
88000 2000 UB_{36}	14.8	X	242.51555	299.19510	36.00650	14.43529	0.1670808	0.22839838	2.6505787	20	4 4.8	19.0