Planet		Period	Variation	Note			Survey
1 Ceres	S	9.074170	0.03–0.06	3	p		
2 Pallas		7.8132	0.03–0.16	3	p		
3 Juno		7.210	0.11–0.22	3	p		
4 Vesta		5.342	0.12–0.19	3	p		
5 Astraea		16.806	0.16–0.27	3	p		
6 Hebe		7.2745	0.05–0.21	3	p		
7*Iris		7.139	0.02–0.37	3	p		
8 Flora		12.865	0.07–0.11	3	p		
9 Metis		5.079	0.05–0.32	3	p		
10 Hygiea		27.630	0.09–0.33	3	p		
11 Parthenope		13.7204	0.05–0.12	3	p		
12 Victoria		8.6599	0.04–0.42	3	p		
13 Egeria		7.045	0.12–0.47	3	p		
14 Irene		15.028	0.03–0.16	3	p		
15 Eunomia		6.083	0.40–0.53	3	p		
16 Psyche		4.196	0.03–0.34	3	p		
17 Thetis	S	12.27048	0.20–0.40	3	p		
18 Melpomene		11.570	0.10–0.34	3	p		
19 Fortuna		7.4432	0.23–0.30	3	p		
20 Massalia		8.098	0.17–0.27	3	p		
21 Lutetia		8.1655	0.05–0.25	3	p		
22 Kalliope		4.1483	0.03–0.53	3	p	B	
23 Thalia		12.312	0.10–0.3	3	p		
24 Themis		8.374	0.09–0.14	3	p		
25 Phocaea		9.9341	0.03–0.25	3	p		
26 Proserpina		13.110	0.08–0.21	3	p		
27*Euterpe		10.4082	0.10–0.25	3	p		
28 Bellona		15.706	0.06–0.31	3	p		
29 Amphitrite		5.3921	0.04–0.15	3	p		
30 Urania		13.686	0.11–0.45	3	p		
31 Euphrosyne		5.530	0.06–0.11	3	p		
32 Pomona		9.448	0.13–0.31	3	p		
33*Polyhymnia		18.608	0.12–0.25	3			
34 Circe		12.15	0.17–0.25	3	p		
35 Leukothea		31.900	0.07–0.43	3	p		
36 Atalante		9.93	0.12–0.17	3	p		
37 Fides		7.3335	0.10–0.28	3	p		
38 Leda		12.838	0.05–0.16	3	p		
39 Laetitia		5.138	0.08–0.53	3	p		
40 Harmonia		8.910	0.13–0.33	3	p		
41*Daphne		5.988	0.18–0.45	3	p	B	
42 Isis		13.590	0.14–0.32	3	p		
43 Ariadne		5.76218	0.06–0.73	3	p		
44 Nysa		6.422	0.24–0.52	3	p		
45 Eugenia		5.699	0.09–0.30	3	p	M	
46 Hestia		21.040	0.09–0.12	3	p		
47 Aglaja		13.178	0.02–0.17	3	p		
48*Doris		11.89	0.11–0.36	3	p		
49 Pales		20.705	0.17–0.19	3			
50 Virginia		14.315	0.07–0.20	3			
51 Nemausa		7.783	0.10–0.25	3	p	3	
52 Europa		5.6304	0.09–0.12	3	p		
53 Kalypso		9.036	0.09–0.14	3	p		
54 Alexandra		7.024	0.10–0.28	3	p		
55 Pandora		4.8040	0.07–0.33	3	p		
56 Melete		18.147	0.07–0.16	3	p		
57*Mnemosyne		25.324	0.02–0.14	3–			
58*Concordia		9.895	0.01–0.15	3			
59 Elpis		13.671	0.07–0.42	3			
60 Echo		25.208	0.10–0.22	3	p		
61 Danaë		11.45	0.13–0.30	3			
62 Erato		9.2213	0.12–0.22	3	p		
63 Ausonia		9.298	0.27–0.47	3	p		
64 Angelina		8.752	0.04–0.42	3	p		
65 Cybele		6.0814	0.02–0.12	3	p		
66 Maja		9.73509	0.21–0.45	3	p		
67 Asia		15.853	0.22–0.26	3			
68 Leto		14.848	0.10–0.53	3	p	3	
69 Hesperia		5.655	0.12–0.23	3	p		
70 Panopaea		15.8052	0.07–0.18	3			
71*Niobe		35.864	0.15–0.25	3	p		
72 Feronia		8.097	0.11–0.15	3	p		
73 Klytia		8.297	0.26–0.35	3	p		
74 Galatea		17.268	0.08–0.16	3			
75 Eurydike		5.357	0.10–0.15	3	p		
76 Freia		9.973	0.05–0.33	3	p		
77 Frigga		9.012	0.07–0.20	3	p		
78 Diana		7.2991	0.02–0.30	3			
79 Eurynome		5.978	0.05–0.25	3	p		
80 Sappho		14.030	0.14–0.40	3	p		
81*Terpsichore		10.943	0.06–0.15	3			
82 Alkmene		12.999	0.18–0.54	3	p		
83 Beatrix		10.16	0.18	3	p		
84 Klio		23.562	0.04–0.21	3			
85 Io		6.875	0.05–0.18	3	p		
86 Semele		16.634	0.09–0.18	3			
87 Sylvia		5.184	0.22–0.50	3	p	M	
88 Thisbe		6.042	0.13–0.18	3	p		
89 Julia		11.387	0.10–0.25	3	p		
90 Antiope		16.509	0.05–0.88	3	p	B	
91 Aegina		6.025	0.12–0.27	3			
92 Undina		15.941	0.16–0.20	3	p		
93 Minerva		5.982	0.03–0.20	3	p	M	
94 Aurora		7.22	0.03–0.18	3	p		
95 Arethusa		8.705	0.24–0.35	3	p		
96 Aegle		13.868	0.05–0.12	3			
97 Klotho		35.15	0.14–0.30	3	p		
98*Ianthe		16.479	0.27–0.34	3	p		
99 Dike		18.127	0.19–0.22	3	p		
100 Hekate		27.066	0.11–0.23	3			
101 Helena		23.080	0.09–0.13	3			
102 Miriam		23.613	0.04–0.14	3			
103 Hera		23.740	0.35–0.45	3	p		
104*Klymene		8.984	0.26–0.3	3	p		
105*Artemis		37.150	0.09–0.17	3	p		
106 Dione		16.210	0.08–0.18	3			
107*Camilla		4.844	0.26–0.53	3	p	M	
108 Hecuba		14.256	0.09–0.12	3	p		
109*Felicitas		13.191	0.06–0.17	3			
110 Lydia		10.927	0.10–0.26	3	p		
111 Ate		22.072	0.08–0.18	3			
112 Iphigenia		31.466	0.30	3	p		
113 Amalthea		9.950	0.19–0.22	3	p	B?	
114 Kassandra		10.7431	0.23–0.25	3	p		
115 Thyra		7.241	0.19–0.20	3	p		
116 Sirona		12.028	0.42	3	p		
117 Lomia		9.127	0.10–0.35	3	p		
118*Peitho		7.8055	0.08–0.33	3			
119*Althaea		11.484	0.24–0.36	3	p		
120 Lachesis		46.551	0.14–0.22	3	p		
121 Hermione		5.55128	0.04–0.62	3	p	B	
122 Gerda		10.685	0.10–0.26	3	p		
123 Brunhild		9.873	0.14–0.21	3			
124 Alkeste		9.906	0.08–0.30	3			
125 Liberatrix		3.968	0.20–0.71	3	p		
126 Velleda		5.3672	0.07–0.22	3			
127 Johanna		12.7988	0.18–0.21	3	p		
128 Nemesis		77.81	0.08–0.10	3–			
129 Antigone		4.9572	0.25–0.42	3	p		
130 Elektra		5.225	0.19–0.58	3	p	M	
131 Vala		5.1812	0.08–0.32	3	p		
132 Aethra		5.1684	0.10–0.52	3	p		
133*Cyrene		12.708	0.17–0.26	3	p		
134 Sophrosyne		17.196	0.19–0.28	3			
135 Hertha		8.403	0.12–0.30	3	p		
136*Austria		11.4969	0.32–0.4	3	p		
137 Meliboea		25.676	0.11–0.20	3	p		
138 Tolosa		10.101	0.26–0.45	3	p		
139*Juewa		20.991	0.18–0.20	3	p		
140 Siwa		34.445	0.05–0.15	3	p		
141*Lumen		19.87	0.12–0.14	3			
142 Polana		9.764	0.11–0.24	3			
143 Adria		22.005	0.07–0.10	3			
144 Vibilia		13.819	0.13–0.20	3	p		
145 Adeona		15.071	0.04–0.15	3	p		
146 Lucina		18.557	0.08–0.15	3	p		
147 Protogeneia		7.8528	0.25–0.28	3	p		
148 Gallia		20.664	0.20–0.32	3	p		
149*Medusa		26.023	0.47–0.56	3	p		
150 Nuwa		8.1347	0.08–0.31	3	p		
151 Abundantia		9.864	0.15–0.20	3			
152 Atala		6.246	0.33–0.50	3	p		
153*Hilda		5.9585	0.04–0.23	3	p		
154 Bertha		25.224	0.04–0.10	3	p		
155 Scylla		7.9597	0.11–0.46	3	p		
156 Xanthippe		22.132	0.10–0.22	3			
157 Dejanira		15.825	0.33–0.52	3	p		
158 Koronis		14.218	0.28–0.43	3	p		
159 Aemilia		24.476	0.16–0.24	3	p		
160 Una		11.033	0.10–0.18	3	p		

Planet	Period	Variation	Note	Survey
161 Athor	7.280	0.08−0.27	3 p	
162 Laurentia	11.8686	0.28−0.37	3 p	
163 Erigone	16.136	0.32−0.37	3 p	
164 Eva	13.66	0.04−0.36	3 p	
165 Loreley	7.226	0.06−0.17	3 p	
166 Rhodope	4.715	0.35−0.36	3 p	
167 Urda	13.07	0.24−0.39	3 p	
168 Sibylla	47.009	0.16	3	
169 Zelia	14.537	0.13−0.17	3	
170 Maria	13.120	0.13−0.30	3 p	
171 Ophelia	6.66535	0.14−0.46	3 p	
172 Baucis	27.417	0.22−0.41	3 p	
173 Ino	6.15	0.04−0.16	3 p	
174 Phaedra	5.744	0.10−0.58	3 p	
175 Andromache	8.324	0.28−0.30	3	
176 Iduna	11.2877	0.14−0.43	3 p	
177 Irma	13.856	0.24−0.37	3	
178 Belisana	12.323	0.08−0.38	3 p	
179 Klytaemnestra	11.173	0.35−0.55	3 p	
180*Garumna	23.866	0.42−0.6	3 p	
181 Eucharis	52.23	0.04−0.15	3	
182*Elsa	80.088	0.69−0.72	3 p	
183 Istria	11.77	0.20−0.31	3 p	
184 Dejopeja	6.4416	0.22−0.3	3 p	
185 Eunike	21.797	0.08−0.22	3 p	
186 Celuta	19.842	0.4 −0.55	3 p	
187 Lamberta	10.670	0.23−0.32	3 p	
188*Menippe	11.98	0.28	3− p	
189 Phthia	22.346	0.18−0.28	3 p	
190*Ismene	6.5210	0.10−0.16	3 p	
191 Kolga	17.604	0.21−0.5	3	
192 Nausikaa	13.625	0.20	3 p	
193 Ambrosia	6.581	0.10−0.53	3 p	
194 Prokne	15.679	0.08−0.27	3	
195 Eurykleia	16.521	0.10−0.24	3	
196 Philomela	8.3340	0.07−0.33	3 p	
197 Arete	6.6084	0.10−0.16	3	
198 Ampella	10.379	0.11−0.22	3	
199*Byblis	5.2201	0.05−0.15	3 p	
200*Dynamene	37.394	0.06−0.10	3 4	
201 Penelope	3.7474	0.15−0.73	3 p	
202 Chryseis	23.670	0.08−0.23	3	
203 Pompeja	24.052	0.10	3	
204 Kallisto	19.489	0.09−0.26	3	
205 Martha	14.911	0.10−0.50	3 p	
206 Hersilia	11.122	0.13−0.20	3	
207 Hedda	30.098	0.09−0.11	3 4	
208 Lacrimosa	14.085	0.15−0.33	3 p	
209 Dido	5.7366	0.11−0.33	3 p	
210 Isabella	6.672	0.09−0.38	3 p	
211 Isolda	18.365	0.09−0.14	3 p	
212 Medea	10.283	0.04−0.16	3 p	
213 Lilaea	12.042	0.07−0.20	3	
214 Aschera	6.835	0.20−0.23	3 p	
215*Oenone	27.937	0.18−0.20	3	
216 Kleopatra	5.385	0.12−1.22	3 p M	
217*Eudora	25.272	0.02−0.31	3 p	
218 Bianca	6.337	0.05−0.27	3 p	
219*Thusnelda	59.74	0.15−0.24	3	
220 Stephania	18.198	0.21−0.45	3 p	
221 Eos	10.443	0.05−0.12	3 p	
222 Lucia	7.8371	0.25−0.41	3 p	
223 Rosa	20.283	0.06−0.13	3	
224 Oceana	9.401	0.09−0.14	3	
225 Henrietta	7.3556	0.18−0.24	3 p	
226 Weringia	11.147	0.08−0.38	3 p	
227 Philosophia	26.468	0.06−0.20	3 p	
228 Agathe	6.484	0.27−0.33	3	
229 Adelinda	6.60	0.04−0.30	3	
230 Athamantis	24.0055	0.10−0.26	3 p	
231 Vindobona	14.245	0.20−0.29	3	
232 Russia	21.905	0.14−0.31	3	
233 Asterope	19.70	0.25−0.35	3 p	
234 Barbara	26.4744	0.16−0.28	3 p	
235*Carolina	17.610	0.30−0.38	3	
236 Honoria	12.336	0.05−0.27	3− p	
237 Coelestina	29.215	0.16−0.25	3 p	
238 Hypatia	8.8749	0.10−0.21	3 p	
239 Adrastea	18.4707	0.34−0.51	3 p	
240*Vanadis	10.64	0.13−0.34	3	
241*Germania	15.51	0.10−0.17	3 p	
242 Kriemhild	4.5478	0.08−0.27	3 p	
243 Ida	4.634	0.45−0.86	3 p B	
244 Sita	129.51	0.80−0.82	3− T0	
245 Vera	14.38	0.26	3 p	
246 Asporina	16.222	0.22−0.47	3 p	
247 Eukrate	12.093	0.10−0.18	3 p	
248 Lameia	11.912	0.10−0.17	3	
249 Ilse	84.94	0.34	3 p	
250 Bettina	5.0545	0.19−0.45	3 p	
251*Sophia	20.216	0.30−0.61	3 p	
252 Clementina	10.864	0.32−0.44	3 p	
253 Mathilde	417.7	0.45−0.50	3 T	
254 Augusta	5.8949	0.56−0.75	3 p	
255 Oppavia	19.499	0.14−0.16	3	
256*Walpurga	16.664	0.34−0.58	3 p	
257 Silesia	15.7095	0.29−0.30	3 p	
258*Tyche	10.041	0.21−0.43	3 p	
259 Aletheia	8.143	0.12	3	
260 Huberta	8.29	0.21−0.34	3 p	
261*Prymno	8.002	0.13−0.23	3	
262 Valda	17.386	0.17	3	
263 Dresda	16.809	0.37−0.55	3 p	
264 Libussa	9.2276	0.04−0.59	3 p	
265 Anna	11.681	0.48	3 p	
266 Aline	13.018	0.07−0.10	3	
267 Tirza	7.648	0.18−0.4	3	
268 Adorea	7.80	0.15−0.20	3 p	
269 Justitia	33.128	0.14−0.25	3	
270 Anahita	15.06	0.25−0.32	3 p	
271 Penthesilea	18.787	0.23−0.33	3 p	
272 Antonia	3.8548	0.43	3 p	
273 Atropos	23.924	0.52−0.65	3	
274 Philagoria	17.938	0.37−0.51	3 p	
275 Sapientia	14.931	0.05−0.12	3−	
276 Adelheid	6.315	0.07−0.17	3 p	
277 Elvira	29.69	0.34−0.59	3 p	
278 Paulina	6.497	0.32−0.51	3 p	
279 Thule	23.896	0.02−0.10	3 p B?	
280 Philia	70.26	0.15	3	
281 Lucretia	4.348	0.30−0.38	3 p	
282 Clorinde	6.42	0.09	3	
283 Emma	6.896	0.09−0.53	3 p B	
284 Amalia	8.545	0.13−0.16	3	
285 Regina	9.542	0.13−0.16	3	
286 Iclea	15.365	0.13−0.20	3	
287 Nephthys	7.605	0.15−0.37	3 p	
288 Glauke	1170.	0.36−0.9	3 T	
289 Nenetta	6.902	0.18−0.20	3	
290*Bruna	13.807	0.26−0.55	3 p	
291 Alice	4.313	0.15−0.55	3 p	
292*Ludovica	8.93	0.21−0.78	3 p	
293*Brasilia	8.173	0.17−0.30	3 p	
294 Felicia	10.4227	0.19−0.24	3	
295 Theresia	10.702	0.11−0.22	3	
296 Phaëtusa	4.5385	0.38−0.70	3 p	
297*Caecilia	4.163	0.10−0.27	3 p	
298 Baptistina	16.23	0.10−0.25	3	
299 Thora	272.9	0.37−0.50	3− T-	
300*Geraldina	6.8423	0.04−0.32	3	
301 Bavaria	12.253	0.25−0.31	3	
302 Clarissa	14.381	0.6	3 p	
303 Josephina	12.497	0.12−0.15	3	
304 Olga	18.36	0.14−0.24	3 p	
305*Gordonia	12.893	0.16−0.23	3	
306 Unitas	8.736	0.16−0.30	3 p	
307 Nike	11.857	0.15−0.23	3	
308 Polyxo	12.029	0.08−0.15	3−	
309 Fraternitas	22.398	0.10−0.35	3	
310 Margarita	12.070	0.14−0.37	3 p	
311 Claudia	7.532	0.16−0.89	3 p	
312 Pierretta	10.282	0.32	3 p	
313 Chaldaea	8.392	0.08−0.24	3 p	
314 Rosalia	20.465	0.11−0.40	3	
315 Constantia	5.345	0.11−0.57	3 p	
316 Goberta	8.605	0.20−0.27	3	
317 Roxane	8.169	0.61−0.75	3 p B	
318 Magdalena	42.65	0.06−0.11	3	
319 Leona	430.	0.5	3 T	
320 Katharina	6.8926	0.17−0.21	3	

Planet	Period	Variation	Note	Survey
321 Florentina	2.871	0.31−0.52	3 p	
322 Phaeo	17.5845	0.13−0.20	3	
323 Brucia	9.463	0.15−0.36	3	
324 Bamberga	29.43	0.06−0.12	3 p B?	
325*Heidelberga	6.737	0.09−0.20	3	
326 Tamara	14.445	0.10−0.27	3	
327 Columbia	5.9320	0.16−0.42	3 p	
328*Gudrun	10.992	0.08−0.32	3	
329 Svea	22.778	0.09−0.22	3− p	
330 Adalberta	3.5553	0.44	3	
331*Etheridgea	25.315	0.12−0.46	3	
332 Siri	8.0074	0.10−0.35	3	
333 Badenia	9.862	0.20−0.33	3 p	
334 Chicago	7.361	0.20−0.67	3 p	
335 Roberta	12.054	0.05−0.78	3 p	
336*Lacadiera	13.70	0.20−0.34	3 p	
337 Devosa	4.653	0.08−0.75	3 p 3	
338 Budrosa	4.6084	0.04−0.47	3 p	
339 Dorothea	5.974	0.06−0.10	3	
340 Eduarda	8.0062	0.17−0.32	3 p	
341 California	318.	0.54−0.92	3 T	
342 Endymion	6.319	0.15−0.23	3	
343*Ostara	109.87	0.52	3− p	
344 Desiderata	10.747	0.06−0.18	3 p	
345 Tercidina	12.371	0.11−0.23	3 p	
346 Hermentaria	28.523	0.07−0.20	3	
347 Pariana	4.0529	0.09−0.50	3 p	
348 May	7.3812	0.14−0.16	3	
349 Dembowska	4.701	0.08−0.41	3 p	
350*Ornamenta	9.178	0.10−0.26	3 p	
351 Yrsa	13.29	0.40−0.45	3 p	
352 Gisela	7.490	0.08−0.70	3 p	
353*Ruperto–Carola	2.73898	0.20−0.32	3 p	
354 Eleonora	4.277	0.06−0.49	3 p	
355 Gabriella	4.830	0.35−0.42	3 p	
356 Liguria	31.701	0.14−0.22	3	
357 Ninina	36.0105	0.12−0.24	2+	
358 Apollonia	50.6	0.15	3−	
359 Georgia	5.537	0.14−0.54	3	
360 Carlova	6.183	0.30−0.49	3 p	
361 Bononia	13.835	0.17−0.25	3 p	
362 Havnia	16.92	0.09−0.17	3 p	
363*Padua	8.401	0.08−0.3	3	
364 Isara	9.156	0.30−0.40	3 p	
365 Corduba	12.705	0.05−0.15	3 p	
366 Vincentina	12.7365	0.05	3−	
367 Amicitia	5.05538	0.25−0.90	3 p	
368 Haidea	9.823	0.15−0.23	3	
369 Aëria	4.778	0.04−0.13	3 p	
370 Modestia	22.5299	0.24−1.39	3	
371 Bohemia	10.7391	0.12−0.18	3 p	
372*Palma	8.567	0.06−0.17	3 p	
373 Melusina	12.97	0.20−0.25	3 p	
374*Burgundia	6.9624	0.07−0.33	3	
375 Ursula	16.899	0.04−0.17	3	
376 Geometria	7.74	0.15−0.19	3 p	
377 Campania	11.664	0.14−0.27	3 p	
378 Holmia	4.450	0.11−0.21	3 p	
379 Huenna	14.141	0.07−0.12	3 B	
380 Fiducia	13.69	0.04−0.32	3	
381*Myrrha	6.572	0.20−0.36	3 p	
382 Dodona	4.113	0.39−0.42	3 p	
383 Janina	6.4	0.06−0.17	3	
384*Burdigala	404.9	0.36−0.40	3 T0	
385 Ilmatar	62.35	0.50	3	
386 Siegena	9.763	0.11−0.18	3 p	
387 Aquitania	24.144	0.07−0.25	3 p	
388 Charybdis	9.516	0.14−0.25	3	
389 Industria	8.53	0.18−0.34	3 p	
390 Alma	3.74097	0.37−0.42	3 p	
391 Ingeborg	26.391	0.48−0.79	3 p	
392*Wilhelmina	13.058	0.06−0.70	3	
393 Lampetia	38.455	0.08−0.14	3	
394 Arduina	16.53	0.28−0.69	3 p	
395*Delia	19.681	0.12−0.25	3	
396*Aeolia	14.353	0.36	3	
397 Vienna	15.48	0.15−0.20	3	
398 Admete	20.998	0.07−0.13	3	
399*Persephone	9.136	0.40−0.41	3 p	
400*Ducrosa	6.8678	0.57−0.62	3 p	
401 Ottilia	6.049	0.11−0.24	3	
402 Chloë	10.664	0.19−0.37	3 p	
403 Cyane	12.283	0.21−0.45	3 p	
404 Arsinoë	8.887	0.27−0.38	3 p	
405 Thia	10.08	0.15−0.23	3	
406 Erna	8.789	0.35	3 p	
407 Arachne	22.627	0.30−0.31	3 p	
408 Fama	202.1	0.58	3 T0	
409 Aspasia	9.022	0.09−0.19	3 p	
410 Chloris	32.50	0.28−0.33	3	
411 Xanthe	11.344	0.10−0.23	3 p	
412 Elisabetha	19.635	0.08−0.20	3	
413 Edburga	15.773	0.36−0.53	3 p	
414 Liriope	7.353	0.10−0.14	3−	
415 Palatia	20.73	0.33	3	
416 Vaticana	5.372	0.06−0.38	3 p	
417 Suevia	7.034	0.06−0.22	3 p	
418*Alemannia	4.671	0.11−0.33	3	
419 Aurelia	16.784	0.07−0.27	3 p	
420 Bertholda	11.04	0.22−0.29	3	
421 Zähringia	6.42	0.10−0.17	2 A	
422 Berolina	25.978	0.06−0.16	3	
423 Diotima	4.775	0.05−0.20	3 p	
424 Gratia	20.075	0.19−0.32	3−	
425 Cornelia	17.505	0.19−0.21	3	
426 Hippo	34.3	0.14−0.22	2 p	
427*Galene	3.705	0.44−0.68	3 p	
428 Monachia	3.63384	0.16−0.34	3	
429 Lotis	13.577	0.21−0.24	3	
430*Hybris	7.205	0.34−0.54	3 p	
431 Nephele	13.530	0.03−0.23	3	
432 Pythia	8.252	0.14−0.15	3 p	
433 Eros	5.270	0.06−1.40	3 p	
434 Hungaria	26.521	0.51−0.75	3 p	
435 Ella	4.623	0.30−0.38	3 p	
436*Patricia	16.133	0.17−0.28	3 p	
437 Rhodia	433.2	0.17−0.35	3− T	
438 Zeuxo	8.831	0.13−0.14	3	
439 Ohio	37.46	0.20−0.24	3 p	
440 Theodora	4.828	0.43−0.72	3 p	
441 Bathilde	10.446	0.08−0.20	3 p	
442 Eichsfeldia	11.871	0.24−0.38	3	
443 Photographica	19.795	0.24−0.34	3	
444 Gyptis	6.214	0.10−0.18	3	
445 Edna	19.959	0.21−0.27	3	
446 Aeternitas	15.7413	0.35−0.51	3 p	
447 Valentine	9.651	0.18	3	
448 Natalie	8.0646	0.32	3	
449*Hamburga	36.516	0.06−0.17	3	
450 Brigitta	10.7657	0.22−0.31	3 p	
451*Patientia	9.727	0.03−0.10	3 p	
452 Hamiltonia	2.8813	0.17−0.23	3	
453 Tea	6.812	0.03−0.37	3	
454 Mathesis	8.378	0.20−0.37	3	
455 Bruchsalia	11.85	0.10−0.35	2+ p	
456*Abnoba	18.281	0.23−0.32	3	
457 Alleghenia	21.953	0.20	3−	
458 Hercynia	21.806	0.10−0.48	3 p	
459 Signe	5.5362	0.25−0.54	3	
460 Scania	164.1	0.05−0.37	3	
461 Saskia	7.348	0.25−0.36	3	
462 Eriphyla	8.659	0.11−0.39	3 p	
463 Lola	6.206	0.20−0.22	3	
464*Megaira	12.879	0.08−0.12	3	
465 Alekto	10.936	0.12−0.18	3	
466 Tisiphone	8.834	0.03−0.18	3	
467*Laura	70.63	0.13−0.15	3	
468 Lina	16.33	0.13−0.18	3	
469 Argentina	17.5727	0.12−0.15	3 3	
470*Kilia	290.	0.15−0.26	2 T0	
471 Papagena	7.113	0.08−0.13	3 p	
472 Roma	9.8007	0.27−0.46	3	
473*Nolli	3.0785	0.18−0.19	3	
474 Prudentia	8.572	0.47−0.90	3 p	
475 Ocllo	7.3151	0.19−0.81	3	
476 Hedwig	27.33	0.13−0.21	3	
477 Italia	19.413	0.15−0.32	3	
478*Tergeste	16.101	0.09−0.29	3− p	
479*Caprera	9.43	0.05−0.25	3	
480 Hansa	16.19	0.14−0.58	3 p	

Planet	Period	Variation	Note	Survey
481 Emita	14.412	0.14−0.30	3	
482 Petrina	11.7922	0.07−0.56	3 p	
483 Seppina	12.727	0.14−0.29	3	
484 Pittsburghia	10.63	0.33−0.42	3 p	
485 Genua	17.59	0.12−0.16	3 p	
486*Cremona	65.15	0.44−1.00	3− p	
487 Venetia	13.34	0.02−0.30	3 p	
488*Kreusa	32.645	0.08−0.20	3	
489 Comacina	9.02	0.12−0.33	3 p	
490 Veritas	7.930	0.21−0.58	3 p	
491*Carina	14.836	0.08−0.13	3	
492 Gismonda	6.488	0.10−0.14	3	
493 Griseldis	51.940	0.42	3	
494 Virtus	5.57	0.03−0.12	2	
495 Eulalia	28.967	0.06−0.37	3 p	
496 Gryphia	1072.	1.25	3 T	
497 Iva	4.620	0.19−0.50	3 p	
498*Tokio	41.85	0.12−0.36	3	
499 Venusia	13.48	0.33−0.36	3 p	
500 Selinur	8.0111	0.10−0.18	3	
501 Urhixidur	13.1743	0.10−0.14	3	
502 Sigune	10.922	0.25−0.66	3 p	
503 Evelyn	38.780	0.30−0.5	3−	
504 Cora	7.587	0.15−0.27	3	
505 Cava	8.1789	0.15−0.27	3 p	
506 Marion	13.546	0.17−0.35	3 p	
507 Laodica	4.706	0.18−0.47	3 p	
508 Princetonia	52.8	0.40−0.41	3	
509*Iolanda	12.306	0.20−0.45	3 p	
510*Mabella	19.4	0.23−0.25	3 p	
511 Davida	5.1297	0.06−0.25	3 p	
512 Taurinensis	5.585	0.14−0.43	3 p	
513 Centesima	5.23	0.18−0.45	3 p	
514 Armida	21.851	0.16−0.27	3	
515 Athalia	10.636	0.13−0.22	3	
516 Amherstia	7.4842	0.15−0.60	3 p	
517 Edith	9.2747	0.08−0.18	3	
518 Halawe	14.310	0.50−0.55	3 p	
519 Sylvania	17.962	0.40	3 p	
520 Franziska	16.507	0.35−0.51	3 p	
521 Brixia	28.479	0.05−0.12	3	
522 Helga	8.129	0.13−0.31	3	
523 Ada	10.03	0.52−0.70	3 p	
524 Fidelio	14.198	0.18−0.22	3	
525 Adelaide	19.967	0.35	3−	
526 Jena	9.474	0.27−0.35	3 p	
527*Euryanthe	42.989	0.11−0.15	2+	
528 Rezia	7.337	0.36−0.39	3	
529 Preziosa	27.	0.56	2 p	
530 Turandot	19.960	0.10−0.16	3−	
531 Zerlina	16.706	0.12−0.70	3 p	
532 Herculina	9.405	0.11−0.25	3 p	
533 Sara	11.654	0.19−0.30	3	
534 Nassovia	9.382	0.15−0.37	3 p	
535 Montague	10.2482	0.18−0.25	3	
536 Merapi	8.78	0.23−0.38	3	
537*Pauly	16.168	0.10−0.20	3 p	
538 Friederike	46.728	0.25	3	
539 Pamina	13.903	0.10−0.11	3	
540 Rosamunde	9.351	0.40−0.66	3 p	
541 Deborah	29.368	0.07−0.10	3	
542 Susanna	10.069	0.11−0.30	3	
543*Charlotte	10.718	0.13−0.28	3 p	
544 Jetta	7.745	0.44−0.52	3 p	
545 Messalina	7.2	0.22−0.27	3	
546 Herodias	10.77	0.18	3	
547*Praxedis	9.105	0.04−0.12	3	
548 Kressida	11.9404	0.44	2	
549 Jessonda	2.962	0.05−0.10	2+	
550*Senta	20.555	0.29−0.41	3 p	
551 Ortrud	17.416	0.14−0.19	3	
552*Sigelinde	17.156	0.12−0.16	3	
553 Kundry	12.605	0.41−0.61	3 p	
554 Peraga	13.7128	0.11−0.28	3	
555 Norma	19.508	0.06−0.25	3	
556 Phyllis	4.293	0.22−0.47	3 p	
557 Violetta	5.0887	0.25	3	
558 Carmen	11.387	0.2 −0.31	3 p	
559 Nanon	10.059	0.07−0.26	3	
560 Delila	29.913	0.15	3	
561 Ingwelde	12.012	0.38	3 p	
562 Salome	6.351	0.17−0.37	3− p	
563 Suleika	5.69	0.13−0.28	3	
564 Dudu	8.882	0.40−0.55	3 p	
565 Marbachia	4.587	0.20−0.70	3 p	
566 Stereoskopia	12.103	0.03−0.25	3	
567 Eleutheria	7.717	0.20−0.50	3 p	
568 Cheruskia	13.209	0.10−0.22	3 p	
569 Misa	11.595	0.09−0.25	3	
570 Kythera	8.120	0.12−0.20	2	
571 Dulcinea	126.3	0.50	3 T	
572 Rebekka	5.6497	0.19−0.40	3 p	
573*Recha	7.16633	0.16−0.34	3 p	
574 Reginhild	14.339	0.17	3 3	
575 Renate	3.676	0.14−0.20	3 p	
576 Emanuela	20.404	0.06−0.13	2+ A	
577 Rhea	12.249	0.19−0.24	3−	
578 Happelia	10.061	0.11−0.16	3 p	
579 Sidonia	16.286	0.02−0.28	3− p	
580 Selene	9.47	0.27	3− p	
581 Tauntonia	16.54	0.07−0.20	2 p	
582 Olympia	36.312	0.05−0.6	3 p	
583 Klotilde	9.2135	0.17−0.30	3	
584 Semiramis	5.068	0.18−0.44	3 p	
585 Bilkis	8.577	0.10−0.41	3 p	
586 Thekla	13.670	0.24−0.30	3	
587 Hypsipyle	2.8881	0.39	3 p	
588 Achilles	7.306	0.10−0.31	3 p	
589 Croatia	24.821	0.16−0.47	2+	
590 Tomyris	5.562	0.21−0.93	3 p	
591 Irmgard	7.35	0.23−0.26	3	
592 Bathseba	7.7465	0.22−0.32	3	
593 Titania	9.8968	0.21−0.26	3	
594 Mireille	4.966	0.18−0.25	3	
595 Polyxena	11.801	0.05−0.69	3 p	
596*Scheila	15.8480	0.06−0.22	3 p	
597 Bandusia	7.6636	0.06−0.38	3	
598*Octavia	10.8903	0.28−0.34	3	
599 Luisa	9.566	0.10−0.18	3	
600 Musa	5.8856	0.26−0.28	3 p	
601*Nerthus	13.59	0.10−0.29	3 p	
602 Marianna	35.195	0.07−0.17	3	
603 Timandra	41.79	0.10	3−	
604 Tekmessa	5.5596	0.43−0.60	3	
605 Juvisia	15.93	0.24−0.26	2	
606 Brangäne	12.2950	0.20	3− p	
607 Jenny	8.521	0.16−0.26	3 p	
608*Adolfine	8.3458	0.12−0.37	3 p	
609 Fulvia	35.375	0.21−0.31	3	
610*Valeska	4.9047	0.19−0.21	3	
611 Valeria	6.977	0.08−0.28	3	
612 Veronika	8.243	0.09−0.14	3	
613 Ginevra	12.906	0.12−0.20	3	
614 Pia	4.572	0.21−0.42	3 p	
615 Roswitha	4.422	0.11	3	
616*Elly	5.297	0.26−0.44	3 p	
617 Patroclus	102.8	0.05−0.07	3 B	
618 Elfriede	14.791	0.11−0.17	3	
619*Triberga	29.311	0.25−0.45	3	
620*Drakonia	5.487	0.48−0.65	3 p	
621*Werdandi	11.776	0.58−0.80	3 p	
622*Esther	47.5	0.57−0.6	2 p	
623 Chimaera	14.635	0.12−0.18	3	
624*Hektor	6.924	0.05−1.10	3 p B	
625 Xenia	21.017	0.21−0.50	3− p	
626 Notburga	19.353	0.10−0.21	3	
627*Charis	27.888	0.35	3	
628 Christine	16.1783	0.18−0.22	3 p	
629 Bernardina	3.763	0.23−0.39	3 p	
630 Euphemia	350.	0.20−0.45	2 T0	
631 Philippina	5.899	0.06−0.69	3 p	
632 Pyrrha	4.1167	0.40	3 p	
633 Zelima	11.730	0.14−0.49	3	
634*Ute	11.7554	0.14−0.17	3	
635 Vundtia	11.790	0.15−0.27	3	
636 Erika	14.603	0.29−0.33	3 p	
637 Chrysothemis	3.7	0.06	1	
638 Moira	9.875	0.10−0.31	3	
639 Latona	6.193	0.07−0.35	3 p	
640 Brambilla	7.768	0.25	3	

Planet	Period	Variation	Note	Survey
641 Agnes	178.0	0.55	3	
642 Clara	8.2308	0.26−0.32	3	
643 Scheherezade	14.161	0.23−0.37	3	
644 Cosima	7.556	0.20−0.28	3 p	
645 Agrippina	32.6	0.11−0.18	2	
646 Kastalia	3.1259	0.14−0.16	3	
647 Adelgunde	32.202	0.28	3 p	
648 Pippa	9.263	0.31−0.36	3	
649 Josefa	10.481	0.27−0.33	3	
650 Amalasuntha	16.582	0.45−0.49	3 p	
651 Antikleia	20.299	0.13−0.41	3 p	
652 Jubilatrix	2.6627	0.21−0.32	3 p	
653 Berenike	12.4886	0.03−0.11	3	
654 Zelinda	31.735	0.08−0.3	3	
655*Briseïs	160.66	0.40	3	
656 Beagle	7.035	0.57−1.20	3	
657 Gunlöd	15.6652	0.19−0.20	3	
658 Asteria	21.034	0.22−0.28	3	
659 Nestor	15.98	0.22−0.31	3 p	
660 Crescentia	7.9116	0.15−0.33	3 p	
661*Cloelia	5.536	0.15−0.26	3	
662 Newtonia	21.095	0.25−0.51	3− p	
663*Gerlinde	10.251	0.12−0.35	3	
664*Judith	13.764	0.22−0.40	2+	
665*Sabine	4.294	0.27−0.45	3 p	
666 Desdemona	14.607	0.06−0.22	2+	
667*Denise	12.687	0.17−0.25	3−	
668*Dora	22.914	0.19−0.27	3	
669 Kypria	14.283	0.17−0.64	3 p	
670 Ottegebe	10.045	0.34−0.35	3 p	
671 Carnegia	8.332	0.24	3−	
672 Astarte	22.572	0.10−0.16	3	
673 Edda	22.340	0.12−0.21	3	
674*Rachele	30.982	0.08−0.18	3 p	
675 Ludmilla	7.717	0.16−0.38	3 p	
676 Melitta	16.743	0.04−0.20	3	
677 Aaltje	16.608	0.10−0.37	3	
678 Fredegundis	11.61624	0.25−0.27	3 p	
679 Pax	8.452	0.02−0.32	3 p	
680 Genoveva	11.089	0.21−0.25	3	
681 Gorgo	6.4606	0.42	3 p	
682 Hagar	4.8503	0.49−0.52	3 p	
683 Lanzia	8.630	0.12−0.20	3 p 4	
684 Hildburg	15.89	0.07−0.23	2 A	
685 Hermia	50.40	0.86−0.92	3 p	
686*Gersuind	6.3127	0.16−0.37	3 p	
687 Tinette	7.3962	0.25−0.28	3 p	
688*Melanie	18.87	0.07−0.14	3	
689 Zita	6.425	0.30−0.62	3 p	
690 Wratislavia	8.64	0.08−0.31	3 p	
691 Lehigh	12.891	0.10−0.16	2+ 3	
692*Hippodamia	8.98	0.15−0.50	3 p	
693 Zerbinetta	11.475	0.14−0.29	3−	
694 Ekard	5.925	0.20−0.50	3 p	
695 Bella	14.222	0.35−0.59	3 p	
696 Leonora	26.8964	0.04−0.31	3	
697 Galilea	16.538	0.21−0.23	3	
698 Ernestina	5.0363	0.30−0.67	3 p	
699 Hela	3.3962	0.07−0.55	3 p	
700 Auravictrix	6.075	0.18−0.43	3 p	
701 Oriola	9.090	0.20−0.37	3	
702*Alauda	16.7072	0.08−0.12	2 AB	
703 Noëmi	200.	0.28−0.78	2 T?	
704 Interamnia	8.727	0.02−0.17	3 p	
705 Erminia	53.96	0.07−0.17	2	
706*Hirundo	22.027	0.39−0.9	3 p	
707 Steïna	414.	1.00	2+ T0	
708 Raphaela	20.918	0.45	3− p	
709 Fringilla	52.4	0.18	3−	
710 Gertrud	8.288	0.26−0.30	3−	
711 Marmulla	2.721	0.03−0.18	3	
712*Boliviana	11.7426	0.10−0.20	3	
713 Luscinia	9.9143	0.09−0.40	3	
714*Ulula	6.998	0.17−0.65	3 p	
715*Transvaalia	11.83	0.14−0.32	3	
716 Berkeley	15.55	0.25	2+	
718 Erida	17.447	0.31−0.37	3 p	
719 Albert	5.801	0.52−1.08	3	
720 Bohlinia	8.919	0.16−0.46	3 p	
721*Tabora	7.982	0.15−0.30	3 p	
722*Frieda	131.1	0.45	2 T?	
723 Hammonia	5.436	0.08−0.18	3 p	
724 Hapag	3.1305	0.10−0.11	3	
725*Amanda	3.749	0.27−0.42	3 p	
726*Joëlla	13.04	0.10−0.12	3	
727*Nipponia	5.0687	0.11−0.22	3 p	
728 Leonisis	5.5783	0.13−0.39	3	
729 Watsonia	25.230	0.16−0.30	3 p	
730 Athanasia	5.7348	0.14−0.63	3	
731 Sorga	8.184	0.19−0.72	3 p	
732*Tjilaki	12.34	0.16−0.33	3− p	
733 Mocia	11.374	0.29	3 p	
734 Benda	7.110	0.25−0.32	3	
735*Marghanna	20.625	0.11−0.13	3	
736 Harvard	6.7	0.32	3	
737 Arequipa	7.0259	0.10−0.27	3	
738 Alagasta	18.86	0.11−0.20	2+	
739 Mandeville	11.931	0.14	2	
740*Cantabia	64.453	0.13−0.16	3	
741 Botolphia	23.93	0.12−0.40	2−	
742 Edisona	18.52	0.24−0.30	3 p	
743 Eugenisis	10.23	0.10−0.20	3	
744*Aguntina	17.47	0.37−0.50	3 p	
745 Mauritia	9.945	0.12	3	
746 Marlu	7.787	0.22−0.23	3 p	
747 Winchester	9.4146	0.13−0.18	3 p	
748 Simeïsa	11.919	0.22−0.36	2	
749 Malzovia	5.9279	0.30	3− p	
750 Oskar	6.2584	0.07−0.20	3	
751*Faïna	23.678	0.18−0.36	3	
752 Sulamitis	27.367	0.20−0.45	3	
753 Tiflis	9.85	0.35−0.8	3 p	
754 Malabar	11.740	0.20−0.38	3	
755 Quintilla	4.552	0.08−0.45	3	
756 Lilliana	7.834	0.18−0.83	3 p	
757 Portlandia	6.5837	0.24−0.45	3 p	
758 Mancunia	12.7253	0.15−0.27	3 p	
759 Vinifera	14.229	0.36−0.40	3	
760 Massinga	10.72	0.12−0.14	3	
761 Brendelia	57.96	0.25	2+ p	
762 Pulcova	5.839	0.18−0.42	3 p B	
763 Cupido	151.5	0.24−0.45	3− T	
764*Gedania	24.9751	0.01−0.35	2	
765 Mattiaca	3.4640	0.09	3− 4	
766 Moguntia	4.8164	0.06−0.23	3	
767*Bondia	8.3402	0.27	3	
768 Struveana	8.76	0.26−0.54	2+	
769 Tatjana	35.08	0.30−0.34	3− p	
770 Bali	5.8190	0.21−0.65	3 p	
771 Libera	5.892	0.34−0.57	3 p	
772 Tanete	17.258	0.07−0.18	3	
773*Irmintraud	6.7514	0.05−0.17	3	
774*Armor	25.194	0.11−0.34	3	
775 Lumière	6.103	0.17−0.28	3 p	
776 Berbericia	7.668	0.08−0.26	3 p	
777*Gutemberga	12.838	0.11−0.28	3	
778 Theobalda	11.659	0.18	3	
779 Nina	11.186	0.06−0.32	3	
780*Armenia	19.891	0.18	3	
781 Kartvelia	19.04	0.16−0.28	3−	
782*Montefiore	4.0728	0.40−0.54	3	
783*Nora	55.53	0.08−0.13	2	
784 Pickeringia	13.144	0.17−0.40	2+ p	
785 Zwetana	8.8882	0.12−0.20	3	
786 Bredichina	29.434	0.04−0.60	3−	
787 Moskva	6.056	0.27−0.68	3 p	
788 Hohensteina	37.137	0.10−0.18	3	
789*Lena	5.848	0.37−0.50	3 p	
790 Pretoria	10.37	0.05−0.18	3	
791 Ani	11.174	0.17−0.38	3 p	
792 Metcalfia	9.17	0.15−0.76	3 p	
793 Arizona	7.399	0.22−0.25	3 4	
794 Irenaea	9.14	0.40	3−	
795 Fini	9.292	0.02−0.06	1+	
796 Sarita	8.1755	0.27−0.33	3	
797 Montana	4.5463	0.32−0.41	3 p	
798 Ruth	8.550	0.19−0.36	3 p	
799 Gudula	14.814	0.27−0.30	3	
800 Kressmannia	4.464	0.18−0.40	3 p	
801*Helwerthia	23.93	0.10−0.15	3−	

Planet	Period	Variation	Note	Survey
802 Epyaxa	4.392	0.40−0.70	3 p	
803 Picka	5.0742	0.12−0.47	3 p	
804 Hispania	14.845	0.08−0.24	3 p	
805*Hormuthia	9.510	0.05−0.06	3−	
806 Gyldenia	16.852	0.10−0.27	3	
807*Ceraskia	7.368	0.15−0.49	3 p	
808 Merxia	30.631	0.59−0.70	3 p	
809 Lundia	15.4142	0.16−1.12	3 p B	
810 Atossa	4.385	0.55	3 p	
811 Nauheima	4.0011	0.11−0.20	3	
812 Adele	5.8587	0.69	3 p	
813 Baumeia	10.543	0.11−0.18	3	
814*Tauris	35.8	0.18−0.20	2−	
815*Coppelia	4.421	0.13−0.24	3	
816*Juliana	10.557	0.22−0.57	3 p	
817 Annika	10.56	0.16−0.27	3	
818 Kapteynia	16.35	0.09−0.12	3	
819 Barnardiana	66.70	0.82	2+ p	
820 Adriana	6.527	0.10	2	
821 Fanny	236.6	0.22−0.28	3− T0	
822 Lalage	3.345	0.47−0.67	3 p	
823 Sisigambis	146.	>0.7	2 p T0	
824*Anastasia	250.	1.20	3− T-	
825 Tanina	6.940	0.20−0.54	3 p	
826 Henrika	5.9846	0.26	3	
827 Wolfiana	4.0654	0.20	3	
828*Lindemannia	20.52	0.12−0.15	2	
829 Academia	7.891	0.32−0.44	3− p	
830 Petropolitana	39.0	0.15−0.42	2 p	
831 Stateira	861.	0.64	3− T0	
832 Karin	18.348	0.30−0.65	3 p	
833 Monica	12.090	0.11−0.21	3	
834 Burnhamia	13.875	0.15−0.22	3	
836 Jole	9.615	0.37	3	
837*Schwarzschilda	82.7469	0.25	2	DWF
838 Seraphina	15.67	0.07−0.30	2 p	
839 Valborg	10.366	0.14−0.19	3	
840 Zenobia	5.565	0.07−0.28	3	
841*Arabella	3.142	0.22−0.32	3	
842 Kerstin	S 18.716		2 p N	LCI-W
843 Nicolaia	22.6308	0.20	2	DWF
844 Leontina	6.7859	0.18−0.26	3 p	
845 Naëma	20.892	0.16	2	
846 Lipperta	1641.	0.30	2 T0	
847 Agnia	14.827	0.05−0.51	3 p	
848 Inna	45.479		2	SWF
849 Ara	4.116	0.14−0.53	3 p	
850 Altona	11.1913	0.09−0.17	3	
851 Zeissia	9.341	0.38−0.53	3	
852 Wladilena	4.6134	0.25−0.31	3 p	
853 Nansenia	7.931	0.13−0.20	3−	
854 Frostia	37.56	0.33−0.38	3 B	
855 Newcombia	3.003	0.33−0.41	3 p	
856*Backlunda	12.08	0.09−0.35	2 p	
857*Glasenappia	8.20	0.27−1.00	3 p	
858*El Djezaïr	14.830	0.06−0.1	2	
859 Bouzaréah	23.2	0.13	2−	
860 Ursina	9.386	0.15−0.50	3	
861 Aïda	10.95	0.32	3	
862 Franzia	7.5236	0.07−0.13	3−	
863 Benkoela	8.20	0.05−0.27	3−	
864 Aase	3.2324	0.31−0.38	3	
865 Zubaida	11.3533	0.38	3	
866 Fatme	5.800	0.06−0.21	2	
867 Kovacia	8.6772	0.86	3 p	
868*Lova	41.118	0.28−0.40	3	
869*Mellena	6.5155	0.20−0.30	3	
870 Manto	122.30	0.80	3 p	
871*Amneris	78.704	0.51−0.60	3−	
872 Holda	5.945	0.17−0.47	3 p	
873 Mechthild	11.006	0.18−0.33	3 p	
874 Rotraut	14.297	0.24−0.29	3− p	
875 Nymphe	12.618	0.15−0.46	3− p	
876 Scott	11.817	0.20−0.35	3 p	
877 Walküre	17.424	0.33−0.44	3− p	
878 Mildred	2.660	0.23	3−	
879 Ricarda	82.9	0.37	2 p	
880 Herba	12.266	0.11−0.21	3	
881 Athene	13.895	0.39−0.53	3− p	
882 Swetlana	29.867	0.17−0.38	3	
883 Matterania	5.64	0.36−0.42	3	
884*Priamus	6.8605	0.14−0.40	3 p	
885 Ulrike	4.90	0.55−0.72	3 p	
886*Washingtonia	9.001	0.06−0.12	3	
887 Alinda	73.97	0.35	2 p T0	
888 Parysatis	5.9314	0.22−0.26	3	
889 Erynia	9.89	0.47−0.67	3 p	
890 Waltraut	12.581	0.30−0.36	3 p	
891 Gunhild	11.892	0.18−0.37	3− p	
892*Seeligeria	41.39	0.07−0.75	2−	
893 Leopoldina	14.115	0.18−0.35	3	
894 Erda	4.6897	0.05−0.27	3	
895 Helio	9.347	0.10−0.23	3	
896 Sphinx	21.038	0.16	2+ p A	
897 Lysistrata	11.26	0.11	2 p	
898 Hildegard	24.855	0.36	3 p	
899 Jokaste	6.245	0.18−0.31	3 p	
900*Rosalinde	16.689	0.28−0.52	3 p	
901 Brunsia	3.1363	0.09−0.28	3	
902*Probitas	10.168	0.10−0.26	3	
903 Nealley	21.60	0.13−0.15	2 A	
904 Rockefellia	6.826	0.10−0.18	2	
905 Universitas	14.238	0.22−0.33	3	
906 Repsolda	15.368	0.24	3 p	
907 Rhoda	22.44	0.06−0.16	3−	
908 Buda	14.572	0.09−0.41	3 p	
909 Ulla	8.73	0.08−0.24	3	
910 Anneliese	11.2863	0.13−0.55	3	
911 Agamemnon	6.592	0.04−0.29	3	
912 Maritima	1332.	0.10−0.18	3− T0	
913 Otila	4.8720	0.09−0.45	3	
914*Palisana	8.68122	0.03−0.24	2+	
915 Cosette	4.445	0.30−1.02	3 p	
916 America	37.294	0.13−0.16	3	
917*Lyka	7.867	0.10−0.26	3	
918 Itha	3.47393	0.30	3 p	
919 Ilsebill	5.0325	0.24−0.25	3 p	
920 Rogeria	12.244	0.16−0.31	3− p	
921 Jovita	15.64	0.05−0.12	3−	
922 Schlutia	7.85683	0.18	3	
923 Herluga	19.746	0.16−0.28	2	
924 Toni	19.437	0.24	3	
925 Alphonsina	7.880	0.11−0.57	3 p	
926*Imhilde	26.8	0.27−0.29	2	
927 Ratisbona	12.986	0.12−0.15	3−	
928*Hildrun	14.13	0.17−0.34	3 p	
929 Algunde	3.31016	0.11−0.17	3	
930*Westphalia	100.66	0.15−0.22	2	
931*Whittemora	19.199	0.20−0.25	2+	
932 Hooveria	78.44	0.20−0.24	3	
933 Susi	4.6222	0.30−0.40	3 p	
934 Thüringia	8.166	0.52−0.66	3 p	
935 Clivia	3.6222	0.13−0.52	3	
936 Kunigunde	9.3650	0.25−0.34	3 p	
937 Bethgea	7.5390	0.12−0.19	3	
938 Chlosinde	19.204	0.12−0.16	2 A	
939 Isberga	2.9173	0.20−0.25	3 B	
940 Kordula	15.57	0.36	3	
941 Murray	3.390	0.10	2	
942 Romilda	6.965	0.26−0.35	3	
943 Begonia	15.66	0.24−0.36	3 p	
944 Hidalgo	10.063	0.31−0.53	3 p	
945 Barcelona	7.36	0.09−0.13	3	
946 Poësia	108.5	0.24−0.32	2+	
947*Monterosa	5.164	0.08−0.23	3−	
948*Jucunda	26.24	0.14−0.35	3	
949 Hel	8.215	0.13−0.14	2+	
950 Ahrensa	202.	0.40	3 T0	
951 Gaspra	7.042	0.17−1.0	3 p	
952 Caia	7.51	0.03−0.15	2	
953*Painleva	24.9759	0.04−0.05	2	
954 Li	7.207	0.11−0.25	3	
955 Alstede	5.19	0.26−0.67	3 p	
956 Elisa	16.492	0.35−0.37	3	
957 Camelia	150.	>0.30	1+	
958 Asplinda	16.543	0.18−0.64	3− p	
959*Arne	123.7	0.17−0.24	3−	
960 Birgit	8.85	0.28	2+	
961*Gunnie	21.366	0.10	2 p	DWF
962 Aslög	5.465	0.21	3	

Planet	Period	Variation	Note	Survey
963 Iduberga	3.0341	0.30−0.34	3	
964 Subamara	6.868	0.11−0.25	3	
965 Angelica	26.752	0.06−0.12	3−	
966 Muschi	5.355	0.31−0.44	3 p	
967 Helionape	3.234	0.04−0.12	3	
968 Petunia	61.280	0.30−0.38	3 p	
969 Leocadia	6.87	0.14	2	
970 Primula	2.777	0.16−0.30	3	
971 Alsatia	9.614	0.17−0.29	3	
972*Cohnia	18.472	0.16−0.21	3	
973 Aralia	7.3662	0.20−0.25	3	
974 Lioba	38.7	0.37	3	
975 Perseverantia	7.267	0.17−0.23	3	
976*Benjamina	9.701	0.14−0.60	3 p	
977*Philippa	15.405	0.33−0.49	3	
978 Aidamina	10.099	0.13−0.24	3	
979 Ilsewa	42.61	0.30−0.31	3 p	
980 Anacostia	20.117	0.05−0.21	3 p	
981 Martina	11.267	0.15−0.24	2	
982*Franklina	186.48	0.25	2	DWF
983 Gunila	8.37	0.11−0.12	2 A	
984 Gretia	5.778	0.26−0.8	3 p	
985*Rosina	3.0126	0.14−0.22	3	
986 Amelia	9.52	0.25−0.43	3 p	
987 Wallia	10.0813	0.11−0.36	3	
988 Appella	>120.	>0.4	2	
989*Schwassmannia	107.85	0.06−0.39	3 T0	
990 Yerkes	24.56	0.26−0.35	3	
992*Swasey	13.308	0.11−0.17	2	
993 Moultona	5.2712	0.73	3	
994 Otthild	5.95	0.09−0.15	2+ p	
995 Sternberga	14.612	0.06−0.20	2+	
996 Hilaritas	10.05	0.54−0.70	3 p	
997*Priska	16.241	0.61−1.05	3	
998 Bodea	8.574	0.68	3 p	
999*Zachia	22.837	0.08−0.30	3	
1000 Piazzia	9.47	0.18−0.45	3	
1001 Gaussia	20.99	0.11−0.16	3	
1002 Olbersia	10.244	0.38	3 p	
1003 Lilofee	8.255	0.52−0.57	3 p	
1004*Belopolskya	9.038	0.09−0.14	3−	
1005*Arago	8.784	0.22−0.25	3	
1006*Lagrangea	19.497	0.11−0.14	2+	
1007 Pawlowia	121.	0.51	2 AD	
1008 La Paz	8.998	0.14−0.19	3	
1010*Marlene	31.06	0.17−0.37	2+ p	
1011 Laodamia	5.17247	0.41−0.45	3 p	
1012 Sarema	10.32	0.81	3 p	
1013 Tombecka	6.053	0.44−0.50	3 p	
1014 Semphyra	5.636	0.12	3	
1015 Christa	11.230	0.12−0.20	3−	
1016 Anitra	5.92951	0.26−0.50	3 B	
1017*Jacqueline	7.87	0.37−0.72	3 p	
1018 Arnolda	14.617	0.28−0.39	3	
1019 Strackea	4.044	0.15−0.25	3 p	
1020 Arcadia	17.02	0.05	1	
1021 Flammario	12.160	0.14−0.40	3− p	
1022 Olympiada	3.822	0.25−0.66	3 p	
1023 Thomana	17.56	0.27−0.36	3− p	
1024 Hale	16.0	0.10	1+	
1025 Riema	3.588	0.06−0.25	3 p	
1026*Ingrid	5.437	0.07−0.5	3−	
1027 Aesculapia	13.529	0.09−0.19	2	
1028 Lydina	11.680	0.22−0.7	3	
1029 La Plata	15.310	0.26−0.58	3 p	
1030 Vitja	7.749	0.21−0.35	2	
1031*Arctica	24.904	0.16−0.22	3	
1032*Pafuri	33.39	0.14	3−	
1033 Simona	10.07	0.04	1+	
1034 Mozartia		0.10	N	
1035 Amata	9.081	0.41−0.44	3 p	
1036 Ganymed	10.297	0.05−0.45	3 p	
1038*Tuckia	18.020	0.10−0.21	2 A	
1039 Sonneberga	34.2	0.41	2 p	
1040*Klumpkea	59.2	0.25−0.77	2 p	
1041 Asta	7.554	0.12−0.14	3−	
1042 Amazone	540.	0.10−0.25	2 T0	
1043 Beate	44.3	0.47	2+	
1044 Teutonia	3.153	0.20−0.32	3	
1045 Michela	2.7010	0.06	3	
1046 Edwin	5.2906	0.14−0.27	3	
1047 Geisha	25.62	0.33	3−	
1048*Feodosia	10.46	0.11−0.14	2	
1049 Gotho	8.470	0.17−0.35	3−	
1050 Meta	6.142	0.46	3 p	
1051 Merope	27.2	0.11−0.20	2	
1052 Belgica	2.7097	0.08−0.10	3 B	
1054 Forsytia	7.650	0.23	3	
1055 Tynka	11.893	0.06−0.33	2	
1056 Azalea	11.893	0.07−0.79	2+ p	
1057*Wanda	28.8	0.09−0.41	2 A	
1058*Grubba	46.30	0.24	3	
1059 Mussorgskia	5.636	0.2 −0.21	3	
1060*Magnolia	2.911	0.05−0.32	3	
1061*Paeonia	7.9971	1.00	3− p	
1062 Ljuba	33.8	0.17−0.18	3	
1063 Aquilegia	5.792	0.65−0.93	3	
1064*Aethusa	8.621	0.05−0.18	2	
1065 Amundsenia	7.7594	0.14−0.16	3	
1066*Lobelia	5.0176	0.42	3	
1067 Lunaria	6.057	0.13−0.27	3	
1068*Nofretete	6.15	0.04−0.11	2	
1069 Planckia	8.665	0.14−0.42	3 p	
1070 Tunica	15.673	0.24−0.32	2 p	
1071 Brita	5.8169	0.19−0.23	3	
1072 Malva	10.080	0.17	3	
1073 Gellivara	11.32	0.35	2 p	
1074 Beljawskya	6.284	0.32−0.37	3	
1075 Helina	44.9	0.64−0.91	3− p	
1076 Viola	7.336	0.12	3	
1077 Campanula	3.85085	0.24−0.40	3 p	
1078*Mentha	85.	0.31−0.87	3	
1079 Mimosa	64.6	0.07−0.13	2−	
1080 Orchis	16.1	0.23−0.31	3 p	
1081 Reseda	7.3002	0.34	3 p	
1082 Pirola	15.8525	0.53−0.62	3 p	
1083 Salvia	4.23	0.61	3 p	
1084 Tamariwa	6.1961	0.25−0.42	3	
1085*Amaryllis	18.111	0.14−0.20	3−	
1086 Nata	18.061	0.17−0.18	3−	
1087 Arabis	5.794	0.14−0.40	3 p	
1088 Mitaka	3.0361	0.23−0.62	3 p	
1089 Tama	16.44	0.08−0.41	3 p B	
1090 Sumida	2.719	0.10−0.34	3	
1091 Spiraea	7.01	>0.03	1+	SWF
1092*Lilium	24.60	0.19−0.25	3−	
1093 Freda	19.67	0.06−0.21	3	
1094*Siberia	21.15	0.31−0.45	2	
1095 Tulipa	2.78721	0.12−0.23	3 p	
1096 Reunerta	13.036	0.20−0.39	3	
1097 Vicia	100.5	0.14	2	
1098*Hakone	7.142	0.23−0.40	3 p	
1099 Figneria	13.577	0.15−0.16	3−	
1100 Arnica	14.535	0.09−0.28	3	
1101 Clematis	34.3	0.16−0.40	2	
1102*Pepita	5.1054	0.23−0.36	3 p	
1103 Sequoia	3.03784	0.34−0.53	3 p	
1104 Syringa	5.1547	0.27	3	
1105 Fragaria	5.4312	0.33	3− p	
1106 Cydonia	2.679	0.10−0.28	3	
1107 Lictoria	8.5616	0.16−0.30	3 p	
1108 Demeter	9.846	0.11−0.14	3	
1109 Tata	8.277	0.06	2	
1110*Jaroslawa	97.4	0.41−0.80	3− p	
1111 Reinmuthia	4.02	0.61−0.95	3 p	
1112 Polonia	82.5	0.20−0.26	2	
1113 Katja	18.465	0.08−0.17	3	
1114 Lorraine	20.71	0.15	3−	
1115 Sabauda	6.718	0.16−0.27	3	
1116*Catriona	8.832	0.09−0.28	3	
1117 Reginita	2.946	0.10−0.33	3 p	
1118 Hanskya	15.61	0.18−0.38	2 p	
1119*Euboea	11.41	0.27−0.50	3 p	
1120 Cannonia	3.816	0.15−0.16	3	
1121 Natascha	13.197	0.51	3 p	
1122 Neith	12.599	0.08	2	
1123*Shapleya	52.92	0.38	3− p	
1124 Stroobantia	16.39	0.06−0.15	1	
1125 China	5.367	0.38−0.62	3 p	
1126 Otero	3.64808	0.69−0.70	3 p	

Planet	Period	Variation	Note	Survey
1127 Mimi	12.749	0.72−0.95	3 p	
1128 Astrid	10.228	0.13−0.35	2+	
1129 Neujmina	5.0844	0.06−0.20	3	
1130 Skuld	4.810	0.26−0.61	3 p	
1131 Porzia	4.6584	0.15−0.23	3	
1132 Hollandia	5.360	0.15−0.35	2+	
1133 Lugduna	5.477	0.33−0.49	3	
1134 Kepler	2.75445	0.10−0.19	3	
1135 Colchis	23.47	0.33−0.46	2 p	
1136*Mercedes	24.6163	0.08−0.45	3	
1137 Raïssa	142.79	0.56	3− p	
1139*Atami	27.446	0.19−0.45	3 B	
1140 Crimea	9.77	0.23−0.30	3 p	
1141 Bohmia	2.8480	0.07−0.16	3	
1142 Aetolia	10.730	0.15−0.22	3−	
1143 Odysseus	10.114	0.15−0.22	3	
1144 Oda	648.	0.41−0.55	2+ T	
1145 Robelmonte	8.002	0.13−0.18	3−	
1146*Biarmia	5.4700	0.14−0.32	3	
1147 Stavropolis	5.66070	0.32−0.42	3 p	
1148 Rarahu	6.5447	0.05−0.94	3− p	
1149 Volga	27.262	0.14−0.26	3−	
1150 Achaia	60.99	0.72	3 p	
1151 Ithaka	4.93115	0.12−0.15	3	
1152 Pawona	3.4154	0.16−0.26	3	
1153 Wallenbergia	4.096	0.23−0.33	3	
1154 Astronomia	18.1154	0.39	3−	
1155 Aënna	8.07	0.19−0.28	2+	
1156 Kira	2.9710	0.20−0.26	3	
1157 Arabia	15.225	0.37	3−	
1158 Luda	6.863	0.13−0.22	3 p	
1159 Granada	31.	0.24−0.28	2	
1160 Illyria	4.1025	0.56−0.91	3 p	
1162 Larissa	6.516	0.12−0.20	3	
1163 Saga	9.365	0.25−0.33	3−	
1164 Kobolda	4.141	0.21−0.30	3	
1165 Imprinetta	8.107	0.06−0.20	3 p	
1166*Sakuntala	6.2918	0.24−0.40	3	
1167*Dubiago	14.3	0.18−0.23	2	
1168*Brandia	11.444	0.62	3 p	
1169 Alwine	2.9272	0.32−0.33	3 B	
1170*Siva	3.120	0.27	3− p	
1171 Rusthawelia	10.98	0.26−0.31	3	
1172 Äneas	8.705	0.06−0.62	3 p	
1173*Anchises	11.595	0.16−0.73	3 p	
1174 Marmara	12.	0.2	2	
1175 Margo	6.0136	0.22−0.40	3 p	
1176 Lucidor	4.0791	0.05−0.06	3	
1177 Gonnessia	30.51	0.07−0.25	3−	
1178*Irmela	11.989	0.25−0.40	2	
1179 Mally	46.692	0.08	1	SWF
1180 Rita	14.849	0.05−0.40	3−	
1181 Lilith	15.033	0.09−0.36	3	
1182*Ilona	29.8553	0.84−1.2	3 p	
1183 Jutta	212.5	0.10	2 T0	
1184 Gaea	2.871	0.09−0.15	3−	
1185 Nikko	3.79	0.20−0.50	3 p	
1186*Turnera	12.085	0.25−0.34	3	
1187 Afra	14.0701	0.37−0.40	3 p	
1188 Gothlandia	3.4916	0.59−0.81	3 p	
1189 Terentia	19.308	0.32−0.38	3	
1190 Pelagia	2.3661	0.08	3	
1191*Alfaterna	193.9	0.40	2	DWF
1192 Prisma	6.558	0.85−1.16	3 p	
1193*Africa	158.7	0.61−0.80	2+	
1194 Aletta	20.39	0.27−0.32	2+	
1195 Orangia	6.167	0.20	2	SWF
1196*Sheba	6.319	0.13−0.28	3	
1197 Rhodesia	16.060	0.22−0.32	3− p	
1198 Atlantis	>16.	>0.20	2	
1199*Geldonia	57.939	0.11−0.20	2 p	
1200 Imperatrix	17.769	0.21−0.25	3	
1201 Strenua	14.775	0.30−0.35	2	
1202*Marina	9.45	0.29−0.30	3	
1203 Nanna	18.54	0.12−0.15	2	
1204 Renzia	7.885	0.42−0.49	3 p	
1206 Numerowia	4.7743	0.63	3 p	
1207 Ostenia	9.073	0.5 −0.7	3 p	
1208 Troilus	56.17	0.20	2	
1209 Pumma	8.5001	0.28	3	
1210 Morosovia	15.2616	0.36−0.56	3 p	
1211 Bressole	31.812	0.50	3−	
1212*Francette	32.78	0.08−0.13	3	
1213*Algeria	16.3721	0.23	3	
1214 Richilde	9.860	0.31−0.33	3 p	
1215 Boyer	10.36	0.31−0.50	2	
1216 Askania	6.536	0.30	3−	
1217*Maximiliana	3.1987	0.19−0.21	3−	
1218 Aster	3.1581	0.30−0.35	3 p	
1219 Britta	5.575	0.48−0.75	3 p	
1220 Crocus	491.4	0.15−1.00	3 p T0	
1222 Tina	13.395	0.17−0.30	3	
1223 Neckar	7.81	0.16−0.45	3 p	
1224 Fantasia	4.995	0.06−0.47	3	
1225 Ariane	5.5068	0.30−0.36	3	
1226 Golia	4.097	0.24−0.35	3 p	
1227 Geranium	12.363	0.08	3	
1229*Tilia	7.035	0.25−0.30	3	
1230*Riceia	6.60444	0.64	2 p	DWF
1231 Auricula	3.9816	0.75	3 p	
1232*Cortusa	25.16	0.10−0.20	2	
1233 Kobresia	27.83	0.32−0.34	2	
1234 Elyna	5.4221	0.21−0.37	3	
1235 Schorria	1265.	1.40	3 T0	
1236*Thaïs S	47.9891	0.20	2 p	LCI-W
1237 Geneviève	16.37	0.11−0.23	2	
1238 Predappia	8.94	0.03	2− 1A	
1240 Centenaria	11.2907	0.12−0.20	3	
1241*Dysona	8.6092	0.21−0.25	3 p	
1242 Zambesia	15.72	0.15−0.24	2	
1243 Pamela	26.017	0.42−0.71	2	
1244 Deira	210.6	0.50	2 p T0	
1245 Calvinia	4.8523	0.28−0.7	3 p	
1246 Chaka	25.462	0.18−0.25	3	
1247 Memoria	18.79	0.12	2+	
1248 Jugurtha	12.910	0.70−1.40	3 p	
1249*Rutherfordia	18.242	0.69−0.81	3 p	
1250 Galanthus	3.92	0.22−0.28	3	
1251 Hedera	19.9000	0.41−0.61	3− p	
1252 Celestia	10.636	0.26	3	
1253 Frisia	14.557	0.15−0.16	2 1	
1254 Erfordia	12.287	0.33−0.47	3	
1255 Schilowa	29.536	0.09−0.26	2 p T0	
1256 Normannia	488.063	0.39	2	SWF
1257 Móra	5.2948	0.23−0.43	3	
1258*Sicilia	13.500	0.19−0.24	3−	
1259 Ógyalla	17.334	0.25−0.41	3	
1260 Walhalla		0.16	N	
1261 Legia	8.693	0.13	2+	
1262*Sniadeckia	17.57	0.06−0.16	3	
1263*Varsavia	7.1639	0.05−0.28	3 p	
1264 Letaba	32.74	0.13−0.28	3 T?	
1265*Schweikarda	13.016	0.08	2	DWF
1266*Tone	15.605	0.06−0.19	3	
1267 Geertruida	5.5087	0.35−0.5	3	
1268*Libya	17.572	0.08−0.20	3	
1269*Rollandia	17.36	0.02−0.13	2 A	
1270 Datura	3.359	0.41−0.61	3 p	
1271 Isergina	7.59932	0.25−0.36	3−	
1272*Gefion	3.086	0.20−0.24	3−	
1273 Helma	6.0851	0.26−0.32	3 p	
1274 Delportia	5.615	0.05−0.26	3	
1275 Cimbria	5.65	0.26−0.57	3 p	
1276 Ucclia	4.90768	0.29−0.40	3 p	
1277 Dolores	12.676	0.42−0.45	3	
1278 Kenya	188.	0.15−0.75	3 p T	
1279 Uganda	23.2	0.16	1	
1280 Baillauda	12.6	0.25	2	
1281*Jeanne	15.3	0.15−0.45	3− p	
1282 Utopia	13.623	0.28−0.36	3 p	
1283 Komsomolia	32.175	0.40	3 p	
1284 Latvia	9.55	0.10−0.23	3−	
1285 Julietta	20.3	0.07−0.23	1	
1286*Banachiewicza	8.63	0.18−0.54	3 p	
1287*Lorcia	8.8776	0.46−0.48	2 N	
1288 Santa	7.605	0.42−0.46	3 p	
1289 Kutaïssi	3.60	0.20−0.42	3 p	
1290*Albertine	2.8728	0.03−0.04	2	
1291*Phryne	5.58410	0.27−0.86	3 p	
1292 Luce	6.9541	0.17−0.26	3	

Planet	Period	Variation	Note	Survey
1293 Sonja	2.878	0.14−0.21	3	
1294 Antwerpia	6.63	0.35−0.42	3 p	
1295 Deflotte	14.64	0.16	2	
1296 Andrée	5.18366	0.23−0.27	3	
1297 Quadea	6.267	0.20−0.35	3	
1298*Nocturna	34.80	0.11−0.16	2	
1299 Mertona	4.977	0.46−0.59	3 p	
1300*Marcelle	>12.	0.20	2	
1301 Yvonne	7.320	0.52−0.90	3 p	
1302*Werra	14.013	0.09	3−	
1303 Luthera	5.878	0.05−0.06	3	
1304 Arosa	7.7478	0.13−0.38	3	
1305 Pongola	8.335	0.14−0.19	3−	
1306 Scythia	7.525	0.15−0.25	3	
1307 Cimmeria	2.820	0.29−0.31	3 p	
1308 Halleria	6.028	0.14−0.17	3	
1309 Hyperborea	13.88	0.33−0.54	3	
1310 Villigera	7.830	0.36−0.46	3 p	
1311 Knopfia	19.296	0.20	3 p	
1312 Vassar	7.932	0.35	3 p	
1313 Berna	25.46	0.20−0.58	3 B	
1314 Paula	5.9498	0.81−1.24	3	
1315 Bronislawa	9.578	0.16−0.24	3	
1316 Kasan	5.82	0.25−0.26	3	
1317 Silvretta	7.048	0.30−0.45	3 p	
1318 Nerina	2.5280	0.06−0.32	3	
1319 Disa	7.080	0.24−0.27	3	
1320 Impala	6.1713	0.40−0.52	3 p	
1321 Majuba	5.207	0.22−0.43	3 p	
1322 Coppernicus	4.354	0.04−0.86	3	
1323*Tugela	19.50	0.08−0.25	3	
1324 Knysna	2.5538	0.08−0.10	3	
1325 Inanda	20.52	0.12	2 A	
1326 Losaka	6.900	0.03	2	
1328*Devota	17.49	0.19−0.20	2− p	
1329 Eliane	137.8	0.18−0.43	2 T?	
1330 Spiridonia	9.67	0.08−0.34	3	
1331 Solvejg	19.30	0.42−0.44	2+ p	
1332 Marconia	19.16	0.30−0.4	3 p	
1333 Cevenola	4.877	0.57−1.1	3 p	
1334 Lundmarka	6.2497	0.70−0.88	3 p	
1335 Demoulina	74.86	0.78	2+ p	
1336 Zeelandia	15.602	0.50−0.61	3	
1337 Gerarda	12.52	0.23	2 p	
1338 Duponta	3.85453	0.23−0.26	3 B	
1339 Désagneauxa	9.380	0.45−0.48	3 p	
1340 Yvette	3.525	0.16	2	
1341 Edmée	23.745	0.22−0.60	2+	
1342 Brabantia	4.1754	0.17−0.23	3	
1343 Nicole	14.76	0.38−0.42	3−	
1344*Caubeta	3.12219	0.16−0.55	3 B	
1345 Potomac	11.41	0.22−0.24	3	
1346 Gotha	2.64067	0.10−0.16	3−	
1347*Patria	29.5	0.10−0.12	2	
1348 Michel	8.095	0.43−0.47	3	
1349 Bechuana	15.692	0.29−0.30	3− p	
1350 Rosselia	8.140	0.3 −0.54	3 p	
1351 Uzbekistania	73.9	0.34	2	
1352 Wawel	16.97	0.44	3 p	
1353*Maartje	22.930	0.40−0.46	3 p	
1354 Botha	4.	0.21	1+	
1355*Magoeba	5.9466	0.06−0.22	3	
1356*Nyanza	12.422	0.19−0.28	3 p	
1357 Khama	15.692	0.34	2	SWF
1359*Prieska	60.24	0.14−0.17	2	
1360 Tarka	8.87	0.43−0.73	3 p	
1361*Leuschneria	12.075	0.19−0.75	2+ p	
1362 Griqua	6.907	0.23−0.25	3	
1363 Herberta	3.015	0.12	3−	
1364*Safara	7.25	0.05−0.36	3− p	
1365 Henyey	18.986	0.23−0.32	2	
1366 Piccolo	16.57	0.24−0.33	2 p	
1367 Nongoma	94.8	0.3 −0.83	1+	
1368 Numidia	3.64	0.35	3 p	
1369*Ostanina	8.4001	0.73−1.11	3	
1370*Hella	1.80021	0.13	2	DWF
1371 Resi	8.94581	0.05	2	DWF
1372 Haremari	15.25	0.04−0.12	2	
1373 Cincinnati	5.2834	0.10−0.21	2+	
1374 Isora	36.699	0.12	2+ A	
1375*Alfreda	19.14	0.17	3−	
1376 Michelle	5.9748	0.03−0.20	3	
1377 Roberbauxa	7.3627	0.22−0.24	3	
1378 Leonce	4.3250	0.49−0.63	3 p	
1379 Lomonosowa	24.488	0.45−0.63	3 p	
1380 Volodia	S 6.19570	>0.15	3 p N	
1382 Gerti	3.082	0.20−0.38	3 p	
1383 Limburgia	>5.	0.07		
1384 Kniertje	9.807	0.11−0.33	2	
1385*Gelria	4.62384	0.15−0.23	3	
1386 Storeria	8.67	1.3 −1.40	3 p	
1387*Kama	50.07	0.37−0.57	3	
1388 Aphrodite	11.9432	0.34−0.65	3 p	
1389 Onnie	22.5	0.34	2 p	
1390 Abastumani	17.100	0.15	2 p	
1391 Carelia	S 5.87822		2 p N	LCI-W
1392 Pierre	18.	0.09	2	
1393 Sofala	S 16.5931	0.48	2 p	LCI-D
1394 Algoa	2.768	0.20−0.21	3	
1396 Outeniqua	3.08158	0.41−0.51	3 p	
1397 Umtata	30.	0.13	1	
1398*Donnera	7.2311	0.15−0.43	3	
1399 Teneriffa	2.692	0.14	2	SWF
1400*Tirela	13.356	0.55	2 p	
1401 Lavonne	3.9338	0.14−0.26	3 p	
1403 Idelsonia	5.458	0.47−1.12	3 p	
1404*Ajax	29.38	0.30	3−	
1405 Sibelius	6.040	0.11−0.20	3	
1406 Komppa	3.508	0.14−0.20	3	
1407 Lindelöf	31.151	0.34	3 p	
1409 Isko	11.639	0.14−0.20	2+	
1411 Brauna	4.90	0.15	3	
1412 Lagrula	5.882	0.30−0.44	3	
1413 Roucarie	6.357	0.50	3 p	
1415 Malautra	>12.	>0.03	1	
1416 Renauxa	8.700	0.09−0.40	3	
1417 Walinskia	2.93	0.04	1	
1418 Fayeta	63.641	0.15−0.24	2+	
1419 Danzig	8.1202	0.81−0.92	3 p	
1420 Radcliffe	4.792	0.19−0.21	3−	
1421 Esperanto	21.982	0.15	3−	
1422 Strömgrenia	3.5051	0.24−0.34	3− p	
1423 Jose	12.307	0.68−0.96	3 p	
1424*Sundmania	93.73	0.33−0.42	2+ p	
1425 Tuorla	7.75	0.17−0.40	3	
1426 Riviera	4.4044	0.30−0.31	3	
1427 Ruvuma	4.797	0.29−0.36	3	
1428 Mombasa	16.67	0.15−0.25	2+	
1429 Pemba	>20.	>0.3	1	
1430 Somalia	6.913	0.40−0.45	3 p	
1431*Luanda	4.141	0.60−1.00	3− p	
1432*Ethiopia	9.8458	0.34−0.40	3 p	
1433*Geramtina	214.479	0.58	3−	DWF
1434*Margot	8.17	0.31−0.52	3	
1435 Garlena	5.758	0.50−0.67	3	
1436 Salonta	8.870	0.17−0.34	3 p	
1437 Diomedes	24.49	0.34−0.70	3− p	
1438 Wendeline	41.98	0.23	2−	
1439 Vogtia	12.898	0.33−0.37	3 p	
1440 Rostia	9.448	0.25	2	SWF
1443 Ruppina	5.880	0.27−0.42	3	
1444 Pannonia	10.756	0.16−0.57	3	
1446 Sillanpää	9.6602	0.55−0.71	3 p	
1447 Utra	257.	0.63	2 T0	
1448 Lindbladia	10.969	0.22	3−	
1449 Virtanen	30.495	0.08−0.74	3− p	
1450 Raimonda	12.66	0.57	2 p	
1451 Granö	138.00	0.06−0.65	2+ T	
1452 Hunnia	17.2	>0.34	2 p	
1453 Fennia	4.4121	0.10−0.20	3 B	
1454 Kalevala		0.37	N	
1455 Mitchella	118.7	0.60	2+	
1456 Saldanha	19.035	0.09−0.26	3−	
1457 Ankara	31.8	0.21	2	
1458 Mineura	36.	0.04	1	
1459 Magnya	4.678	0.57−0.84	3 p	
1460 Haltia	3.59	0.32	3	
1461*Jean–Jacques	16.56	0.08−0.09	2	
1462 Zamenhof	10.4	0.15−0.30	2	
1463 Nordenmarkia	5.918	0.17	3− p	

Planet	Period	Variation	Note	Survey
1464 Armisticia	7.50	0.54	3 p	
1465 Autonoma	4.882	0.13−0.15	2+	
1467 Mashona	9.76	0.24−0.31	3	
1468 Zomba	2.773	0.3 −0.36	3	
1469 Linzia	22.215	0.07−0.09	3	
1470 Carla	6.15	0.24−0.25	3	
1471 Tornio	6.60	0.07−0.20	3	
1472* Muonio	8.706	0.29−0.48	3 p	
1473* Ounas	139.1	0.46−0.6	3 T+	
1474 Beira	4.184	0.15−0.24	3	
1475 Yalta	70.77	0.20−0.59	2 T?	
1476* Cox	7.6994	0.08−0.13	2 A	
1477 Bonsdorffia	7.8	0.32	2	
1478 Vihuri	19.5	0.23	1	
1479 Inkeri	660.	1.30	2+ T	
1480 Aunus	4.646	0.19−0.32	2+	
1481* Tübingia	225.6	0.20−0.63	2 T?	
1482 Sebastiana	10.489	0.57−0.78	3 p	
1483* Hakoila	239.1	0.62	2 T?	
1484 Postrema	12.1923	0.22−0.23	3− p	
1486 Marilyn	4.566	0.42−0.48	3 p	
1487 Boda	11.025	0.21−0.28	3	
1488 Aura	99.7	0.23−0.32	3	
1489 Attila	11.28	0.42−0.43	3	
1490 Limpopo	6.647	0.15−0.26	3 p	
1491* Balduinus	15.315	0.40−0.45	3−	
1492 Oppolzer	3.76945	0.10−0.13	3	
1493 Sigrid	43.296	0.38−0.6	2 p	
1494 Savo	5.35011	0.38−0.63	3 p	
1495 Helsinki	5.33116	0.61−0.83	3 p	
1496 Turku	6.47	0.51	3− p	
1497 Tampere	3.64	0.20−0.42	3−	
1498 Lahti	58.	0.8	1+	
1499* Pori	3.3557	0.08−0.34	3	
1500 Jyväskylä	S 8.82750		2 p N	LCI-W
1501 Baade	15.132	0.19−0.40	2	
1502 Arenda	45.8	0.4	2	
1503 Kuopio	9.957	0.65−0.90	3 p	
1504* Lappeenranta	15.190	0.09−0.29	2+	
1505 Koranna	4.451	0.53−0.70	3	
1506 Xosa	292.	0.42−0.70	2+ T0	
1507* Vaasa	34.07	0.24	3	
1508 Kemi	9.196	0.25−0.55	3− p	
1509 Esclangona	3.25283	0.11−0.35	3 B	
1510 Charlois	5.866	0.18−0.23	2 p	
1511 Daléra	3.880	0.14−0.18	3−	
1512 Oulu	132.3	0.33	2+ T?	
1513 Mátra	34.48	0.56	2 A	
1514 Ricouxa	10.438	0.62	3 p	
1515 Perrotin	13.965	0.19	3−	
1516* Henry	17.599	0.35−0.54	3−	
1517* Beograd	6.943	0.09−0.23	2	
1518 Rovaniemi	5.249	0.25−0.26	3 p	
1520 Imatra	18.635	0.27−0.35	3−	
1521 Seinäjoki	4.32	0.15	3 p	
1522 Kokkola	5.83	0.29	3	
1523 Pieksämäki	5.3202	0.28−0.5	3	
1524 Joensuu	9.276	0.33	3	
1525 Savonlinna	14.634	0.50−0.52	2	
1527 Malmquista	14.077	0.42−0.54	3 p	
1528 Conrada	6.321	0.41−0.49	3 p	
1529 Oterma	14.321	0.10−0.18	3 p	
1530* Rantaseppä	3.5258	0.29−0.41	3	
1531* Hartmut	25.62	0.21−0.26	3− p	
1532 Inari	25.	0.09	1+	
1533 Saimaa	7.115	0.18−0.26	3 p	
1534 Näsi	7.94	0.22−0.51	3− p	
1535 Päijänne	8.8448	0.50	3	
1536 Pielinen	66.22	0.75−0.85	3 T+	
1537 Transylvania	>12.	>0.15	1	
1538 Detre	99.1568	0.28	2	DWF
1539 Borrelly	15.922	0.54−0.76	3	
1540 Kevola	20.082	0.23−0.33	3− p	
1541 Estonia	10.1	0.13	2−	
1542 Schalén	7.516	0.49	3 p	
1543 Bourgeois	2.48	0.03	1	
1544* Vinterhansenia	13.536	0.11−0.18	3−	
1545 Thernöe	17.20	0.76	3 p	
1546 Izsák	7.350	0.31	3 p	
1547 Nele	7.0998	0.18−0.65	3 p	
1548 Palomaa	7.4961	0.50	3 p	
1549 Mikko	8.74	0.10	2 DA	
1550 Tito	54.2	0.16−0.40	2	
1551* Argelander	4.063	0.08−0.50	2+ p	
1552 Bessel	8.996	0.29	3 p	
1553 Bauersfelda	51.191	0.26	2	SWF
1554 Yugoslavia	3.8879	0.58−0.74	3 p	
1555* Dejan	16.960	0.33−0.52	2+ p	
1556 Wingolfia	10.	0.15	2 D	
1557 Roehla	S 5.67899		2 p N	LCI-W
1558* Järnefelt	6.252	0.28−0.40	2	
1559 Kustaanheimo	4.302	0.23−0.29	3 p	
1560 Strattonia	18.423	0.18	3	
1561 Fricke	S 15.15330		2 p N	LCI-W
1562 Gondolatsch	8.78	0.30−0.4	3−	
1563 Noël	3.5495	0.14−0.18	3	
1564 Srbija	9.135	0.17−0.37	3	
1565* Lemaître	11.403	0.03−0.04	2 A	
1566 Icarus	2.2726	0.05−0.22	3 p	
1567* Alikoski	16.405	0.08−0.16	3	
1568 Aisleen	6.683	0.31−0.41	3 p	
1570 Brunonia	>48.	>0.6		SWF
1571 Cesco	S 27.3967		2 p N	LCI-W
1572* Posnania	8.048	0.19−0.40	3 p	
1573 Väisälä	252.	0.76	2 T?	
1574 Meyer	12.64	0.12	2	
1575 Winifred	125.	1.20	3 T0	
1576 Fabiola	6.8890	0.2 −0.26	3−	
1577* Reiss	4.5050	0.12−0.20	3	
1578 Kirkwood	12.518	0.05−0.22	2	
1579 Herrick	21.465	0.19	2	DWF
1580 Betulia	6.1324	0.20−0.70	3 p 3	
1581 Abanderada	102.8	0.10	2−	
1582* Martir	9.84	0.31−0.46	2 p	
1583 Antilochus	15.759	0.09−0.31	3	
1584 Fuji	14.880	0.17−0.29	3	
1585* Union	12.798	0.16−0.24	3−	
1586 Thiele	3.086	0.14−0.38	3	
1587* Kahrstedt	7.971	0.12−0.24	3	
1589* Fanatica	2.578	0.10−0.22	3	
1590 Tsiolkovskaja	6.731	0.10−0.4	3	
1591 Baize	7.794	0.19−0.37	3−	
1592 Mathieu	28.46	0.50	2+ p	
1593* Fagnes	25.25	0.27−0.47	3−	
1594 Danjon	>12.	>0.03	1	
1595 Tanga	11.05	0.35	3−	
1596 Itzigsohn	39.722	0.25−0.41	2	
1597* Laugier	8.0199	0.65−0.71	3 p	
1598 Paloque	5.949	0.30−0.33	3−	
1599 Giomus	9.53	0.06−0.08	2	
1600 Vyssotsky	3.2011	0.12−0.28	3 p	
1601 Patry	5.92	0.17−0.60	3	
1602 Indiana	2.601	0.12−0.19	3	
1603* Neva	6.426	0.16−0.25	3−	
1604 Tombaugh	7.24	0.16−0.35	3− p	
1605* Milankovitch	11.111	0.12−0.23	2+	
1606* Jekhovsky	165.946	0.31−0.34	2	SWF
1607 Mavis	6.1339	0.50−0.53	3 p	
1608 Muñoz	5.3456	0.25−0.36	3	
1609 Brenda	19.776	0.16−0.27	3	
1611 Beyer	13.29	0.12−0.35	2+	
1612 Hirose	12.295	0.25	2	SWF
1613 Smiley	80.61	0.29−0.30	2+	
1614* Goldschmidt	16.540	0.14−0.15	2 p A	
1615 Bardwell	>18.	>0.2	1 D	
1616 Filipoff	5.652	0.17	3	
1617 Alschmitt	7.062	0.39−0.52	3	
1618 Dawn	43.19	0.38−0.65	2+ p	
1619 Ueta	2.720	0.32−0.44	3 p	
1620 Geographos	5.22204	0.95−2.03	3 p	
1621 Druzhba	99.20	0.75	3 p T-	
1622 Chacornac	12.206	0.21−0.25	2	
1623 Vivian	20.5209	0.85	3− p	
1624 Rabe	5.877	0.35	3	
1625 The NORC	13.959	0.06−0.16	3−	
1626 Sadeya	3.420	0.07−0.22	3	
1627* Ivar	4.795	0.25−1.48	3 p	
1628* Strobel	9.52	0.11−0.22	2	
1629 Pecker	8.2166	0.08	2 A	
1630 Milet	32.55	0.37	2 p	

Planet	Period	Variation	Note	Survey
1631 Kopff	6.683	0.41	3	
1632 Sieböhme	56.65	0.44−0.47	2 p	
1633 Chimay	6.5911	0.31−0.58	3 p	
1634 Ndola	64.23	0.4	2 p	
1635 Bohrmann	5.864	0.25−0.50	3 p	
1636 Porter	2.9658	0.22−0.24	3	
1637 Swings	10.264	0.28	3 p	
1638 Ruanda	4.2397	0.10	3 3	
1639 Bower	22.181	0.15−0.38	3−	
1640 Nemo	5.0	0.52	3	
1641 Tana	7.95	0.32−0.33	3− p	
1642 Hill	6.056	0.21−0.25	3	
1643 Brown	5.932	0.48−0.50	3 p	
1644 Rafita	3.344	0.13−0.38	3	
1645 Waterfield	4.861	0.18−0.20	3	
1646 Rosseland	69.2	0.13	2	
1647 Menelaus	17.74	0.15−0.32	3− p	
1648 Shajna	6.4156	0.63−1.11	3 p	
1650 Heckmann	14.893	0.06−0.16	3	
1651*Behrens	34.34	0.16−0.31	2	
1652 Hergé	16.36	0.42	3− p	
1653 Yakhontovia	15.41	0.03	2	
1654*Bojeva	10.5559	0.17−0.27	2	
1655 Comas Solá	20.456	0.20−0.22	3	
1656 Suomi	2.583	0.11−0.20	3	
1657 Roemera	34.0	0.09−0.15	2	
1658 Innes	3.191	0.22−0.25	3	
1659 Punkaharju	5.01	0.26−0.43	3 p	
1660 Wood	6.8090	0.14−0.26	3	
1661 Granule	>24.	0.15	2	
1662 Hoffmann	8.784	0.26	3	
1663 van den Bos	740.	0.80	3− p T0	
1664 Felix	3.3454	0.38	3	
1665*Gaby	66.	0.27−0.49	2 p	
1666 van Gent	4.16504	0.23−0.42	3 p	
1667 Pels	3.268	0.20−0.42	3	
1669 Dagmar	>12.	>0.15	1	
1670*Minnaert	3.528	0.14−0.25	3	
1671 Chaika	3.7718	0.18−0.20	3	
1672 Gezelle	40.72	0.56	3 p	
1674 Groeneveld	8.02	0.19−0.24	2	
1675 Simonida	5.2885	0.16−0.65	3	
1676*Kariba	3.1673	0.45−0.65	3 p	
1677 Tycho Brahe	3.848	0.38−0.46	3− p	
1678 Hveen	5.987	0.07	2	
1679 Nevanlinna	17.92	0.16	3−	
1680*Per Brahe	3.428	0.10−0.21	3	
1681*Steinmetz	8.99917	0.26−0.42	3	
1682*Karel	3.37485	0.10−0.47	3 p	
1683 Castafiore	13.931	0.66	2+	
1684 Iguassú	6.4156	0.15−1.11	3	
1685 Toro	10.1995	0.47−1.80	3 p	
1686*De Sitter	11.292	0.18	3−	
1687 Glarona	6.498	0.59−0.75	3 p	
1688 Wilkens	7.248	0.23−0.34	3	
1689*Floris–Jan	145.	0.4	3 T?	
1690*Mayrhofer	22.194	0.16−0.45	2	
1691 Oort	10.2705	0.38	3 p	
1692 Subbotina	9.2457	0.30	3	
1693 Hertzsprung	8.825	0.45	3 p	
1694*Kaiser	13.02	0.08−0.32	3	
1695 Walbeck	5.1607	0.20−0.34	3	
1696*Nurmela	3.1587	0.27−0.58	3	
1697 Koskenniemi	2.3923	0.07−0.09	2+	
1699 Honkasalo	11.1159	0.15−0.32	3− p	
1700 Zvezdara	9.114	0.10−0.13	3	
1701 Okavango	13.204	0.32−0.45	2 p	
1702 Kalahari	21.153	0.12−0.27	3	
1703 Barry	107.1	0.46−0.50	3 p T?	
1704 Wachmann	3.314	0.40	3 p	
1705 Tapio	54.8	0.29−0.44	2 p	
1706 Dieckvoss	2.58944	0.12	3−	
1707*Chantal	79.74	0.85	2+ T	
1708 Pólit	7.520	0.30−0.50	3 p	
1709*Ukraina	7.28	0.27−0.66	3 p	
1710 Gothard	4.939	0.31−0.32	3	
1711 Sandrine	33.02	0.19−0.27	3−	
1712*Angola	11.527	0.06−0.38	3	
1714 Sy		0.95	N	
1715 Salli	11.087	0.22−0.61	3 p	
1716 Peter	11.514	0.48−0.52	3 p	
1717 Arlon	5.1484	0.07−0.12	3 B	
1718 Namibia	8.6028	0.13−0.25	3	
1719 Jens	5.87	0.50−0.55	3 p	
1720*Niels	250.9	0.61	2 T?	
1722 Goffin	29.19	0.50−0.63	3−	
1723 Klemola	6.2545	0.16−0.41	3 p	
1724 Vladimir	12.582	0.14−0.24	2+	
1725 CrAO	21.45	0.08−0.28	2	
1726 Hoffmeister	11.706	0.40	2	SWF
1727 Mette	2.98109	0.19−0.38	3 B	
1728 Goethe Link	81.	0.39	2	
1729 Beryl	4.8888	0.14−0.20	3	
1730 Marceline	3.837	0.59−1.00	3 p	
1731 Smuts	12.5	0.08	2	
1732 Heike	4.742	0.27−0.32	3 p	
1733*Silke	7.89393	0.47	2 p	DWF
1734 Zhongolovich	7.171	0.21	3	
1735*ITA	12.599	0.20−0.40	3− p	
1736 Floirac	6.775	0.08−0.25	3	
1737 Severny	9.223	0.12−0.17	2+	
1738 Oosterhoff	4.4486	0.48−0.54	3 p	
1739 Meyermann	2.8219	0.17−0.22	3	
1741 Giclas	2.943	0.10−0.15	3 p	
1742 Schaifers	8.56	0.80−1.46	3 p	
1743 Schmidt	17.45	0.36	3 p	
1744 Harriet	719.5	0.95−1.10	3− T0	
1746*Brouwer	19.724	0.21−0.35	3 p	
1747 Wright	5.2896	0.53−0.61	3 p	
1748 Mauderli	5.551	0.08−0.25	2+	
1749*Telamon	16.975	0.06−0.10	3−	
1750*Eckert	375.	0.70−0.87	3− p T	
1751*Herget	3.9397	0.18−0.31	3	
1752 van Herk	S 88.450		2 p N	LCI-W
1753 Mieke	8.8	0.2	2 p P	
1754 Cunningham	7.7416	0.07−0.17	3	
1755 Lorbach	7.96866	0.75	2	DWF
1756*Giacobini	3.8527	0.21−0.29	3	
1757*Porvoo	4.89	0.30−0.35	3	
1758*Naantali	5.4699	0.35−0.46	3 p	
1759 Kienle	29.25	0.30	2	
1760 Sandra	6.5668	0.42	3	
1761 Edmondson	4.208	0.29	3	
1762 Russell	12.797	0.46	3− p	
1763 Williams	>36.	>0.3	2 p	
1764 Cogshall	3.62417	0.20−0.22	3	
1765*Wrubel	5.260	0.11−0.33	3	
1766 Slipher	7.677	0.19−0.20	2	SWF
1767*Lampland	S 35.399		2 p N	LCI-W
1768 Appenzella	5.1839	0.53	3 p	
1770 Schlesinger	2.88036	0.24−0.31	3 B?	
1771 Makover	11.26	0.25	3	
1772*Gagarin	10.96	0.03−0.41	2 p	
1773 Rumpelstilz	105.44	0.62−0.77	3	
1774*Kulikov	3.832	0.38−0.40	3− p	
1775*Zimmerwald	122.	0.39−0.6	2+ T	
1777 Gehrels	2.83552	0.21−0.29	3	
1778 Alfvén	4.82	0.36−0.40	3−	SWF
1780*Kippes	18.0	0.08−0.23	2	
1782 Schneller	11.86	0.71	1 DA	SWF
1783 Albitskij	>12.	0.4	2	
1785 Wurm	3.2693	0.28−0.30	3 p	
1786 Raahe	18.72	0.15−0.48	3 p	
1788 Kiess	11.034	0.25−0.30	2	SWF
1789*Dobrovolsky	4.8125	0.11−0.70	3 p	
1790 Volkov	10.7419	0.09−0.14	3	
1791 Patsayev	19.809	0.28	3 p	
1792 Reni	15.95	0.54	3− p	
1793 Zoya	5.750	0.40−0.44	3 p	
1794*Finsen	12.346	0.32−0.58	2	
1795 Woltjer	12.102	0.36	2+	
1796*Riga	22.226	0.06−0.40	2	
1797 Schaumasse	6.1125	0.73−0.75	3	
1798 Watts	3.5060	0.06	3 BN	
1799 Koussevitzky	6.318	0.25−0.40	3 p	
1800 Aguilar	2.478	0.11	3	
1801 Titicaca	3.2106	0.50	3 p	
1802*Zhang Heng	3.161	0.27−0.37	3−	
1803*Zwicky	2.73364	0.06	2	DWF
1804*Chebotarev	4.026	0.41−0.48	3	

Planet	Period	Variation	Note	Survey
1805 Dirikis	23.0	0.45	2 p	
1806 Derice	3.2240	0.07−0.19	3	
1807*Slovakia	308.6	0.90−1.10	3 T0	
1808 Bellerophon	3.820	0.19	2	SWF
1809*Prometheus	22.447	0.49	2+ p	
1810 Epimetheus	28.61	0.04	2	
1811 Bruwer	17.565	0.25−0.35	3−	
1812 Gilgamesh	80.1352	0.32	2	DWF
1813 Imhotep	17.994	0.42−0.80	2+	
1814*Bach	7.2408	0.91−1.14	3 p	
1815 Beethoven	54.	0.2	1	
1816 Liberia	3.086	0.19−0.39	3 p	
1817*Katanga	8.481	0.22−0.30	3	
1819 Laputa	9.8004	0.51	3 p	
1820 Lohmann	14.0554	0.40−0.55	3 p	
1822 Waterman	7.581	0.51	3	
1823 Gliese	4.4864	0.23−0.27	3	
1824 Haworth	S 17.8223		2 p N	LCI-W
1825 Klare	4.744	0.70−0.90	3 p	
1826 Miller	30.049	0.08	2	
1827 Atkinson	3.757	0.22	3−	
1828 Kashirina	14.838	0.42	3−	
1829 Dawson	4.254	0.05−0.32	3	
1830*Pogson	2.56999	0.07−0.18	3 M	
1831 Nicholson	3.228	0.24−0.29	3	
1832 Mrkos	13.64	0.18	3−	
1833 Shmakova	3.93	0.38−0.58	3 p	
1834 Palach	3.139	0.13−0.16	2	
1835 Gajdariya	6.3276	0.50	3 p	
1836 Komarov	8.8015	0.39−0.56	3 p	
1837 Osita	3.81862	0.48−0.59	3 p	
1838 Ursa	16.141	0.76−0.80	3 p	
1839 Ragazza	210.9	0.99	2+ T	
1840 Hus	4.780	0.85	2 p	
1841 Masaryk	7.53	0.52	2+ p	
1842 Hynek	3.9410	0.07−0.17	3	
1843 Jarmila	7.434	0.20	3−	
1844*Susilva	5.39557	0.05	2	DWF
1845 Helewalda	7.2786	0.15−0.34	3−	
1847 Stobbe	5.617	0.27−0.44	3	
1848 Delvaux	3.637	0.57−0.69	3 p	
1849 Kresák	S 31.716	0.19	2 p N	LCI-W
1850 Kohoutek	3.68	0.31	2	SWF
1853*McElroy	8.016	0.09−0.30	3−	
1854 Skvortsov	78.5	0.56	2	
1855 Korolev	4.6568	0.75−0.76	3 p	
1856*Růžena	5.957	0.65−0.68	3	
1857 Parchomenko	3.1177	0.22−0.27	3 B?	
1858 Lobachevskij	5.413	0.22−0.48	2+ p	
1859 Kovalevskaya	11.1140	0.13−0.44	2+	
1860*Barbarossa	3.255	0.22−0.35	3 p	
1862 Apollo	3.065	0.15−1.15	3 p B	
1863 Antinous	7.453	0.13−0.33	3 p	
1864 Daedalus	8.572	0.72−1.04	3 p	
1865 Cerberus	6.8039	0.56−2.3	3 p	
1866*Sisyphus	2.400	0.02−0.17	3 B	
1867 Deiphobus	58.66	0.10−0.27	3−	
1868*Thersites	10.492	0.14−0.27	3	
1870 Glaukos	5.986	0.27−0.42	3	
1871 Astyanax	6.52	0.13	2−	
1873 Agenor	20.60	0.08	2 p	
1874 Kacivelia	15.951	0.21	3−	
1875 Neruda	3.697	0.17	2	SWF
1876 Napolitania	45.63	0.39	2 B?	
1877*Marsden	13.18	0.19−0.31	2+	
1878 Hughes	2.683	0.10	3	SWF
1879 Broederstroom	3.02	0.11−0.12	3	
1881 Shao	7.452	0.11−0.15	2	
1882 Rauma	25.	0.1	2	
1883*Rimito	6.492	0.04	2+	
1884 Skip	2.8887	0.08−0.20	3	
1885 Herero	7.609	0.21−0.23	2	SWF
1886 Lowell	80.1898	0.41	2	DWF
1887 Virton		0.5	N	
1888 Zu Chong–Zhi	11.053	0.28−0.56	3	
1889 Pakhmutova	17.490	0.49−0.50	3− p	
1891 Gondola	3.980	0.29	3	
1892 Lucienne	9.31	0.42	2 p	
1893 Jakoba	23.9	>0.1	1+	
1895 Larink	38.180		2−	SWF
1896 Beer	3.3278	0.40	3	
1897 Hind	2.6336	0.09	2	
1899*Crommelin	8.0393	0.23−0.27	3	
1900*Katyusha	9.4999	0.57−0.74	3 p	
1902*Shaposhnikov	20.977	0.29−0.42	3 p	
1903 Adzhimushkaj	4.622	0.04	2	
1904 Massevitch	5.394	0.30	3−	
1905*Ambartsumian	S 92.153	>0.5	2 p N	LCI-D
1906*Naef	11.009	0.87−0.99	3 p	
1907 Rudneva	44.	>0.1	1+	
1909 Alekhin	148.6	0.42−0.45	3 T0	
1910 Mikhailov	8.88	0.25	2	
1911 Schubart	11.915	0.11−0.22	2	
1912 Anubis	4.626	0.18−0.47	2	SWF
1913 Sekanina	13.97	0.30−0.31	2+	SWF
1914*Hartbeespoortdam	6.3398	0.04−0.11	3	
1915 Quetzálcoatl	4.9	0.26	2	
1916 Boreas	3.4746	0.25−0.35	3	
1917*Cuyo	2.6890	0.11−0.41	3	
1919 Clemence	67.4	0.15−0.60	2 T0	
1920 Sarmiento	4.048	0.28−0.35	3	
1922 Zulu	18.64	0.11	3	
1924 Horus	6.183	0.19−0.24	3	
1925 Franklin–Adams	2.978	0.23−0.32	3 p	
1926 Demiddelaer	32.095	0.08−0.15	2	
1927 Suvanto	8.164	0.60−0.63	3 p	
1928*Summa	6.8549	0.13−0.18	3	
1929 Kollaa	2.9887	0.20−0.22	3	
1930 Lucifer	13.056	0.22−0.44	3 p	
1931 Čapek	156.208	0.35	2	DWF
1932 Jansky	S 64.496		2 p N	LCI-W
1933*Tinchen	3.671	0.33−0.55	3 p	
1935 Lucerna	S 15.86044		2 p N	LCI-W
1936 Lugano	19.651	0.25−0.31	3	
1937 Locarno	110.	0.27	2 D	
1938*Lausanna	2.7481	0.12−0.13	3	
1939 Loretta	23.88	0.20	2 p	
1940 Whipple	6.953	0.15−0.25	3	
1941*Wild	48.523	0.12−0.36	2	
1942 Jablunka	S 8.91158		2 p N	LCI-W
1943*Anteros	2.86923	0.07−0.14	3 B	
1945 Wesselink	3.5473	0.45−0.55	3 p	
1946*Walraven	10.21	0.6 −0.96	2+ p	
1947 Iso–Heikkilä	5.0158	0.35	1 NA	
1949 Messina	3.6491	0.32−0.37	3 p	
1950 Wempe	16.788	0.97−0.98	3 p	
1951 Lick	5.3016	0.15−0.33	3	
1952*Hesburgh	47.52	0.52	2	
1953 Rupertwildt	4.39	0.16	3−	
1954 Kukarkin	136.40	0.80	3− T0	
1955 McMath	5.574	0.30−0.39	3	
1956 Artek	9.4	0.07	1+	
1957*Angara	3.67	0.03−0.52	3	
1958 Chandra	7.070	0.35−0.38	3− p	
1959*Karbyshev	7.7234	0.41−0.49	3	
1960 Guisan	8.46	0.52	3	
1961 Dufour	15.79	0.31−0.35	3−	
1963 Bezovec	18.160	0.15−0.60	3 p	
1965 van de Kamp	>36.	0.5	1	
1966 Tristan	S 3.477216		2 p N	LCI-W
1967*Menzel	2.835	0.16−0.39	3	
1968 Mehltretter	5.2038	0.23	2+	
1969*Alain	32.4	0.75	2− p	
1970*Sumeria	12.0131	0.44	2 p	DWF
1972 Yi Xing	14.183	0.18	2	
1973 Colocolo	9.988	0.31	2	SWF
1975 Pikelner	S 11.2768		2 p N	LCI-W
1977 Shura	7.461	0.34	3	
1978 Patrice	5.8813	0.13	2+ p	
1979 Sakharov	7.5209	0.12−0.22	3 B?	
1980 Tezcatlipoca	7.24612	0.55−1.01	3 p	
1981 Midas	5.220	0.65−0.93	3	
1982 Cline	5.78	0.36	3	
1983 Bok	10.70	0.40−0.46	3−	
1985 Hopmann	17.480	0.36−0.44	3 p	
1986 Plaut	18.773		2−	SWF
1987 Kaplan	9.453	0.46−0.65	3 p	
1988 Delores	88.152	0.74	2	SWF
1989*Tatry	131.3	0.50	2 T?	
1990 Pilcher	2.842	0.10	2+ A	

Planet	Period	Variation	Note	Survey
1991 Darwin	5.92	0.08−0.09	2	
1992 Galvarino	7.004	0.6	3	
1993 Guacolda	S 3.584923		2 p N	LCI-W
1994 Shane	8.220	0.26	3	
1995 Hajek	>10.	0.1	1+	
1996 Adams	3.311	0.28−0.60	3 p	
1997*Leverrier	8.0155	0.39−0.40	3 p	
1998 Titius	6.13	0.20−0.24	3	
1999 Hirayama	15.63	0.45−0.57	3−	
2000*Herschel	133.6	0.17−1.16	3 T+	
2001 Einstein	5.487	0.66−1.02	3 p	
2002 Euler	5.9929	0.18−0.31	3 p	
2003 Harding	2.96	0.18	1	
2004 Lexell	5.4429	0.42−0.53	3 p	
2005 Hencke	10.186	0.08	2	
2006 Polonskaya	3.1183	0.07−0.16	3 B	
2007 McCuskey	8.611	0.18−0.21	3	
2008*Konstitutsiya	11.2692	0.06−0.11	3 3	
2009 Voloshina	5.896	0.27−0.40	3−	
2011 Veteraniya	8.209	0.30	3−	
2012 Guo Shou–Jing	>12.	0.05	1+	
2013 Tucapel	9.028	0.34	3	
2014 Vasilevskis	32.16	0.26−0.31	3−	
2015 Kachuevskaya	42.532	0.76−1.20	3	
2016 Heinemann	22.96	0.36	2+	
2017 Wesson	3.4158	0.38−0.60	3	
2019*van Albada	2.7294	0.14−0.22	3 B	
2020*Ukko	25.478	0.24−0.52	2+ p A	
2021 Poincaré	4.4056	0.80	3 p	
2022*West	14.14	0.47−0.54	3−	
2023*Asaph	89.2	0.09−0.31	2	
2024 McLaughlin	>1.15	>0.04		SWF
2025 Nortia	5.692	0.13−0.22	3 3	
2026 Cottrell	4.4994	0.42−0.77	3	
2028*Janequeo	2.480	0.12−0.27	2	SWF
2029 Binomi	3.756	0.51−0.52	2	SWF
2031 BAM	10.774	0.15	3	
2033 Basilea	6.5287	0.28	3−	
2034*Bernoulli	6.248	0.21−0.27	2+	
2035*Stearns	93.	0.14−0.7	2+ T	
2036 Sheragul	5.4130	0.58−1.50	3 p	
2037*Tripaxeptalis	2.33	0.07−0.10	2 A	
2038*Bistro	95.6667	0.06−0.12	2	DWF
2039 Payne–Gaposchkin	27.633	0.24	2	SWF
2040 Chalonge	10.367	0.12−0.22	3−	
2042 Sitarski	2.63	0.36	1+	
2043 Ortutay	7.7475	0.44	3−	
2044 Wirt	3.6898	0.12−0.26	3 B	
2045*Peking	82.4	0.19−0.8	2 T	
2046 Leningrad	5.296	0.11	2+	
2047 Smetana	2.4970	0.12−0.16	3 B	
2048 Dwornik	3.677	0.05−0.22	3	
2049 Grietje	8.910	0.12	2	
2050 Francis	3.069	0.20	2+	
2051*Chang	12.013	0.64	3	
2052*Tamriko	7.462	0.06−0.15	2 3	
2053 Nuki	11.604	0.28−0.40	3−	
2054 Gawain	11.1098	0.61−1.05	2	
2055 Dvořák	4.405	0.17	3−	
2056*Nancy	1343.	0.68	3− T-	
2058 Róka	10.04	0.34−0.40	3− p	
2059*Baboquivari	129.47	0.45	3−	
2060 Chiron	5.918	0.04−0.09	3	
2061*Anza	6.712	0.30−0.31	2	
2062*Aten	42.15	0.16−0.26	3− T0	
2063 Bacchus	14.904	0.22−0.42	3 p	
2064*Thomsen	4.233	0.55−0.78	3 p	
2065 Spicer	18.165	1.00	3	
2066 Palala	9.732	0.34−0.62	3	
2067 Aksnes	17.75	0.24	2 A	
2068 Dangreen		0.04	N	
2069 Hubble	32.52	0.10	2 3	
2070*Humason	3.1883	0.15−0.31	3 B	
2071 Nadezhda		0.20	N	
2072 Kosmodemyanskaya	4.4	0.05−0.09	2	
2073 Janáček	3.56	0.24−0.42	2	SWF
2074 Shoemaker	2.5328	0.06−0.13	3 B?	
2075*Martinez	4.755	0.16−0.28	2	
2077 Kiangsu	104.2	0.23−0.3	2+	
2078*Nanking	6.473	0.62−1.19	3	
2079*Jacchia	5.941	0.55−0.69	3	
2080 Jihlava	2.70876	0.15−0.27	3−	
2081 Sázava	S 66.202		2 p N	LCI-W
2083 Smither	2.6717	0.08−0.11	3	
2084 Okayama	4.5470	0.25	3	
2085 Henan	>24.	>0.25	1 A	
2086 Newell	78.2	1.0	2 p	
2087 Kochera	6.109	0.37	3	
2088 Sahlia	10.37	0.12	2	
2089 Cetacea	39.120	0.25−0.40	2	
2090 Mizuho	5.47	0.30	2+ p	
2091 Sampo	71.34	0.38	2	
2093 Genichesk	11.028	0.23−0.27	3	
2094 Magnitka	6.1124	0.80−0.86	3 p	
2096*Väinö	5.55	0.06−0.10	2 4A	
2097 Galle	7.310	0.4	2	
2098 Zyskin	3.920	0.08	2	SWF
2099 Öpik	6.4430	0.21−0.7	2	
2100 Ra–Shalom	19.797	0.30−0.55	3 p	
2102 Tantalus	2.384	0.06−0.12	2+ B?	
2103 Laverna	9.249	0.20−0.22	3	
2104*Toronto	8.97	0.26−0.49	3 p	
2105 Gudy	15.795	0.18−0.52	3−	
2106 Hugo	6.9297	0.55	3	
2107*Ilmari	39.9165	0.21	2−	DWF
2108 Otto Schmidt	6.90	0.16	2 A	
2109 Dhotel	32.	0.3	1	
2110 Moore–Sitterly	3.34474	0.37−0.50	3 p	
2111*Tselina	6.563	0.03−0.29	3 p	
2112 Ulyanov	3.041	0.32−0.36	3 p	
2113 Ehrdni	13.2	0.22	1	
2114 Wallenquist	5.510	0.22−0.30	3	
2115*Irakli	29.765	0.28−0.36	2	SWF
2117 Danmark	16.598	0.54	3−	
2118 Flagstaff	15.17	0.23−0.35	3−	
2119 Schwall	3.9393	0.20−0.21	3	
2120*Tyumenia	17.507	0.33−0.39	2 p	
2121 Sevastopol	2.90640	0.15−0.20	3 B	
2122 Pyatiletka	8.899	0.10	1	SWF
2123 Vltava	34.0	0.19−0.21	2	
2126 Gerasimovich	22.951	0.12	2	
2127*Tanya	7.864	0.18−0.40	2 p	SWF
2129 Cosicosi	91.149	0.93	2	DWF
2130 Evdokiya	4.354	0.40−0.48	3	
2131 Mayall	2.5678	0.05−0.09	3 B	
2132 Zhukov	6.836	0.45−0.58	3−	
2133 Franceswright	4.05616	0.73	3−	
2134 Dennispalm	4.114	0.12−0.27	3−	
2136*Jugta	6.4571	0.34−0.45	3	
2137*Priscilla	7.850	0.19−0.21	2	SWF
2138 Swissair	375.804	0.44	3−	DWF
2139 Makharadze	11.9759	0.34−0.38	3	
2140 Kemerovo	9.2	0.18−0.19	2	
2141 Simferopol	14.9508	0.30−0.48	3	
2142 Landau	19.2	0.20	2−	
2144 Marietta	5.488	0.40−0.44	3	
2145 Blaauw	12.141	0.18	2+	
2146 Stentor	16.40	0.09−0.10	2	
2147 Kharadze	14.115	0.52	2 p	SWF
2149 Schwambraniya	5.070	0.24	2	SWF
2150 Nyctimene	6.131	0.56−0.90	3	
2151 Hadwiger	5.872	0.07−0.38	3	
2152*Hannibal	5.978	0.06−0.32	3	
2153 Akiyama	12.532	0.26−0.27	2	SWF
2156 Kate	5.6228	0.54−0.88	3 p	
2159 Kukkamäki	4.06	0.32	3	
2160 Spitzer	5.9		2− N	
2161 Grissom	5.0633	0.27	2+	
2162 Anhui	8.1048	0.14−0.16	3	
2163 Korczak	3.997	0.34	2	SWF
2164 Lyalya	7.705	0.20	2+	
2166 Handahl	7.2263	0.11−0.13	3	
2167 Erin	5.7186	0.3 −0.53	3	
2169 Taiwan	7.252	0.17	2	SWF
2170 Byelorussia	6.768	0.63−0.70	2	SWF
2173 Maresjev	11.6	0.42	1	
2174 Asmodeus	41.0488	0.23	2	DWF
2175 Andrea Doria	4.880	0.25	3	
2176 Donar	4.705		2	SWF
2177 Oliver	6.11	0.42−0.45	3 p	

Planet	Period	Variation	Note	Survey
2178 Kazakhstania	3.0183	0.31	3 BN	
2179*Platzeck	5.995	0.24−0.31	3	
2180 Marjaleena	7.396	0.25−0.43	2 p	
2181 Fogelin	14.07	0.57	3 p	
2182 Semirot	8.328	0.32	3−	
2183 Neufang	3.8662	>0.25	3	
2185*Guangdong	21.089	0.19−0.34	3−	
2186 Keldysh	7.567	0.20	2 3	
2187*La Silla	31.	0.25−0.35	2	
2189 Zaragoza	4.92815	0.17−0.91	3	
2192 Pyatigoriya	S 8.7162		2 p N	LCI-W
2193 Jackson	4.7541	0.23−0.24	3	
2195 Tengström	2.82112	0.17−0.45	3	
2196 Ellicott	9.0706	0.10−0.23	3−	
2197 Shanghai	5.99	0.16	2	
2199 Kleť	12.865	0.08−0.13	3	
2200*Pasadena	36.0033	0.17	2	DWF
2201 Oljato	>26.	>0.1	2−	
2203 van Rhijn	30.55	0.38	2 p	
2204 Lyyli	11.056	0.17−0.52	3 p	
2206 Gabrova	5.076	0.15−0.25	3−	
2207 Antenor	7.9647	0.09−0.24	3− B?	
2208 Pushkin	8.405	0.46	2	SWF
2209 Tianjin	9.47	0.41−0.42	3	
2210 Lois	2.42	0.16	2	SWF
2212 Hephaistos	>20.	0.08−0.11	1	
2213 Meeus	2.651	0.19	3−	
2214 Carol	4.987	0.60−0.72	3	
2215*Sichuan	3.975	0.32−0.39	3	
2216 Kerch	9.462	0.78	3−	
2217 Eltigen	6.924	0.24−0.35	3−	
2218 Wotho	4.9267	0.35−0.51	3	
2219 Mannucci		0.3	N	
2221 Chilton	7.445	0.20	2 A	
2222 Lermontov	4.344	0.58	3	
2223 Sarpedon	22.741	0.11−0.14	2+	
2224 Tucson	27.01	0.54	3−	
2227*Otto Struve	5.397	0.15	3	
2228 Soyuz–Apollo	5.388	0.4 −0.54	3	
2230 Yunnan	S 10.0381		2 p N	LCI-W
2233 Kuznetsov	5.031	0.23−0.25	3	
2234 Schmadel	15.63	0.25	2+	
2235 Vittore	32.10	0.21	3	
2237 Melnikov	31.725		2	SWF
2239*Paracelsus	6.101	0.31−0.38	3−	
2241*Alcathous	7.689	0.13−0.25	3	
2242 Balaton	2.7979	0.18	3 B	
2245*Hekatostos	20.61	0.17−0.21	2+	
2246 Bowell	4.992	0.20−0.46	3	
2248*Kanda			2	SWF
2249 Yamamoto	31.590	0.14	2	SWF
2250 Stalingrad		0.50	N	
2251 Tikhov	5.670	0.39−0.42	3	
2252 CERGA	17.1394	0.09	2	DWF
2253 Espinette	7.4409	0.18−0.48	3	
2254*Requiem	4.430	0.18−0.64	3	
2255 Qinghai	9.781	0.41	3−	SWF
2257 Kaarina	3.04866	0.13−0.16	3	
2258 Viipuri	3.810	0.25−0.33	3	
2259*Sofievka	31.6	0.10−0.11	2 A	
2260 Neoptolemus	8.180	0.03−0.32	3	
2261*Keeler	23.10	0.09−0.53	2	
2262 Mitidika	28.0933	0.23	2	DWF
2263 Shaanxi	41.7	0.36	2−	
2264 Sabrina	43.41	0.30	2	
2265 Verbaandert	2.990	0.12	2	SWF
2266*Tchaikovsky	37.7	0.04−0.30	2	
2267 Agassiz	52.51	0.24	3−	
2268 Szmytowna	11.260	0.42−0.60	3	
2269 Efremiana	6.458	0.09	2	
2270 Yazhi	7.78	0.09−0.45	2	
2271 Kiso	17.14	0.14	3−	
2272 Montezuma	8.183	1.08−1.53	3	
2274 Ehrsson	78.	0.5	3−	
2275*Cuitlahuac	6.2891	0.72−1.10	3 p	
2276 Warck	4.054	0.20−0.25	3	
2277*Moreau	5.397	0.15	3	
2279 Barto	6.63	0.65	3−	
2280 Kunikov	21.45	1.0	3−	
2281*Biela	54.	0.09−0.10	2−	

Planet	Period	Variation	Note	Survey
2282 Andrés Bello	3.425	0.65	3	
2283 Bunke	3.96	0.04−0.06	2	
2284 San Juan	9.18	0.60−0.62	3	
2285*Ron Helin	52.77	0.33	2+	
2286 Fesenkov	5.404	0.23	2	SWF
2287 Kalmykia	>12.	0.07	2−	
2288 Karolinum	42.16	0.14−0.40	2+	
2289 McMillan	4.48	0.08−0.12	1+	SWF
2290*Helffrich	95.883	0.44	2	DWF
2291*Kevo	9.63	0.08−0.54	3−	
2292 Seili	5.121	0.25−0.48	3	
2293 Guernica	6.414	0.40−0.48	3	
2294 Andronikov	3.1529	0.35−0.42	3	
2295 Matusovskij	S 3.950405		2 p N	LCI-W
2296 Kugultinov	8.43	0.19−0.23	2+	
2297 Daghestan	7.75	0.24−0.37	3	
2298 Cindijon	14.506	0.16	3−	
2301 Whitford	14.275	0.35	2	SWF
2302*Florya	16.659	0.08−0.11	3	
2303*Retsina	10.82	0.33−0.45	3	
2304 Slavia	2.9166	0.20−0.29	3−	
2305 King	3.0368	0.19	3	
2306 Bauschinger	21.69	0.6 −0.77	3 p	
2307 Garuda	29.64	0.32	2+	
2308 Schilt	9.759	0.42−0.44	3	
2309 Mr. Spock	6.722	0.56	3	
2310 Olshaniya	16.169	0.46	3−	
2311 El Leoncito	18.6	0.23	2	
2312 Duboshin	50.78	0.15	2+	
2313 Aruna	8.90	0.79	3 p	
2315 Czechoslovakia	10.0253	0.52	3	
2316 Jo–Ann	33.0	0.33	2−	SWF
2317 Galya	2.60	0.22−0.30	2	
2319 Aristides	86.787	0.56−0.61	2	SWF
2320*Blarney	5.526	0.11−0.32	2+	
2323*Zverev	3.921	0.28−0.39	3	
2324 Janice	23.2	0.19	2−	
2326 Tololo	9.488	0.33	3−	
2328 Robeson	18.632	0.20	2+	
2329 Orthos	4.6473	0.18−0.67	3−	
2331 Parvulesco	32.03	0.50	3	
2332 Kalm	22.8	0.39	2 p	
2333 Porthan	27.784	0.10−0.58	3	
2334*Cuffey	5.858	0.30−0.37	3−	
2336 Xinjiang	S 37.2993	0.12	2 p N	LCI-W
2337 Boubín	2.53163	0.06	3 BN	
2338 Bokhan	>8.	0.05	1	
2339 Anacreon	>24.	>0.05	1	
2340 Hathor	3.350	0.10−0.11	3	
2341 Aoluta	3.0	0.25−0.28	3	
2343 Siding Spring	2.10659	0.15−0.19	3 M	
2344 Xizang	13.	0.39	2	SWF
2345 Fučik	17.12	0.10−0.39	2	
2346 Lilio	3.031	0.20−0.31	3 3	
2347 Vinata	4.4835	0.32	3	
2348 Michkovitch	>28.	>0.12	2	
2349 Kurchenko	8.622	0.06	2	SWF
2351 O'Higgins	4.7889	0.50	3	
2352 Kurchatov	>12.	0.3		
2353 Alva	62.6	0.35	2	
2354 Lavrov	12.958	0.33−0.35	3	
2356 Hirons	21.782	0.13	2	SWF
2357*Phereclos	14.449	0.05−0.18	3	
2358 Bahner	10.848	0.33−0.43	3 p	
2363*Cebriones	20.099	0.13−0.34	3	
2364 Seillier	12.284	0.10−0.26	2+	
2365 Interkosmos	6.1548	0.23−0.25	3	
2368*Beltrovata	5.9	0.20−1.05	2	
2371 Dimitrov	6.40	>0.05	1+ 1	SWF
2372 Proskurin	18.184	0.42−0.60	2 p	SWF
2373 Immo	9.44	0.36−0.41	3−	
2374 Vladvysotskij	5.398	0.48	2 p	SWF
2375 Radek	16.875	0.17−0.20	3	
2378*Pannekoek	11.874	0.08−0.19	2 A	
2379 Heiskanen	3.76	0.17−0.23	3	
2380 Heilongjiang	11.237	0.22	3	
2381 Landi	3.989	0.75−1.04	3 p	
2382 Nonie	15.085	0.42−0.49	3 p	
2383 Bradley	5.823	0.67	2	
2384*Schulhof	3.294	0.43−0.44	3 p	

Planet		Period	Variation	Note			Survey
2385 Mustel		4.5940	0.55	3			
2386 Nikonov	S	5.8944		2	p	N	LCI-W
2387 Xi'an		4.298	0.24	2			SWF
2388 Gase		26.30	0.48	1		DA	SWF
2389*Dibaj		209.3	0.65	2+		T?	
2390 Nežárka		11.349	0.29−0.42	3−			
2391 Tomita		7.9533	0.14−0.15	3			
2393*Suzuki		7.934	0.29−0.40	3	p		
2394*Nadeev		6.5400	0.46	3			
2395 Aho	S	7.88033		2	p	N	LCI-W
2396 Kochi		26.17	0.14−0.26	2			
2397*Lappajärvi		9.044	0.40−0.65	3−	p		
2398 Jilin		3.17767	0.06−0.12	3			
2399 Terradas		15.234	0.58	3			
2402*Satpaev		8.1127	0.07−0.38	3			
2406 Orelskaya		6.1090	0.14−0.45	3			
2407 Haug		6.162	0.32	3			
2408*Astapovich		3.67381	0.11−0.18	3			
2411 Zellner		2.975	0.31−0.34	3			
2413 van de Hulst		209.174	0.55	2			DWF
2415 Ganesa		8.	0.15	2			
2416 Sharonov		10.82	0.05	1			
2417 McVittie		4.934	0.42	3			
2419 Moldavia		2.412	0.14	2			
2420 Čiurlionis		15.760	0.48−0.51	3−			
2421 Nininger		6.4058	0.18−0.37	3−			
2422 Perovskaya		>40.	>0.17	2			
2423 Ibarruri		139.79	0.27−0.74	3		T-	
2425 Shenzhen		14.715	0.80	3	p		
2426 Simonov		5.811	0.40	3			
2428 Kamenyar			0.06			N	
2429 Schürer		6.66	0.12−0.77	3−	p		
2430 Bruce Helin		128.	0.60−0.67	2	p	T0	
2431 Skovoroda		3.13	0.21	2			SWF
2432*Soomana		3.206	0.36−0.42	3			
2433*Sootiyo		7.234	0.35−0.54	3			
2434 Bateson		13.63	0.22	2			DWF
2436 Hatshepsut		8.983	0.47	2			SWF
2437 Amnestia		85.	0.45	2		T0	
2438 Oleshko		3.227	0.19	3			
2439 Ulugbek		4.260		2−			SWF
2440*Educatio		1561.	0.04−0.80	2		T0	
2441 Hibbs		5.926	0.16	2			SWF
2442*Corbett		>10.	0.12−0.29	2			
2443*Tomeileen		6.8222	0.09−0.38	2			
2444 Lederle		17.85	0.18−0.45	2+			
2445 Blazhko		3.6197	0.57	3	p		
2446 Lunacharsky		3.613	0.41	3	p		
2447 Kronstadt		51.4593	0.70	2			DWF
2448 Sholokhov		10.059	0.21−0.63	3			
2449 Kenos		3.8492	0.14−0.40	3		B?	
2450 Ioannisiani		5.650	0.23−0.29	2			SWF
2451 Dollfus		48.	0.1	1			
2453 Wabash		6.878	0.63−0.67	3			
2454 Olaus Magnus		3.804	0.39	3			
2455 Somville		2.8287	0.12−0.18	3	p		
2456 Palamedes		7.24	0.05−0.27	3			
2457 Rublyov		7.1322	0.03	2			DWF
2459 Spellmann		6.5334	0.64−0.65	3	p		
2460*Mitlincoln		3.0068	0.03−0.20	3			
2461 Clavel		5.238	0.33	2			SWF
2462 Nehalennia						HN	DWF
2463*Sterpin		13.43	0.25−0.30	3−			
2464 Nordenskiöld		5.209	0.29−0.51	3−			
2466*Golson		3.583	0.13	2			
2467*Kollontai		17.656	0.44	3	p		
2468 Repin		5.122	0.55−0.72	3			
2471 Ultrajectum		3.875	0.21−0.23	2			SWF
2472 Bradman		5.894	0.11	1			
2473 Heyerdahl		47.779		2−			SWF
2474 Ruby		7.42	0.11−0.22	3			
2475*Semenov		12.0	0.52	2			
2476 Andersen		8.241	0.07	1			
2477 Biryukov		>24.	0.1	1			
2478 Tokai		25.885	0.41−0.90	3	p	B	
2480 Papanov		3.095	0.07−0.13	3			
2481 Bürgi		30.086	0.20	2			SWF
2482 Perkin		51.013		2			SWF
2483 Guinevere		14.733	0.89−1.38	3	p		
2484 Parenago		3.43311	0.28−0.34	3			
2486 Metsähovi		4.4518	0.04−0.13	3		B	
2487 Juhani		344.6	1.03	2		T?	
2490 Bussolini		>24.	0.1	1			
2491 Tvashtri		4.0852	0.06−0.24	3		B	
2492 Kutuzov		15.099		2−			SWF
2494 Inge		6.79	0.17−0.92	3			
2495 Noviomagum		6.645	1.06	3	p		
2496 Fernandus		2.8069	0.26−0.27	3			
2498 Tsesevich		2.864	0.15−0.27	2+			
2499 Brunk	S	5.88693		2	p	N	LCI-W
2500 Alascattalo		2.751	0.15−0.19	3−			
2501 Lohja		3.8084	0.26−0.45	3	p		
2502 Nummela		14.3155	0.29	2			DWF
2504 Gaviola		8.738	0.25−0.31	3−			
2506 Pirogov		2.953		2−			SWF
2507*Bobone		4.9860	0.20−0.22	3−			
2508 Alupka		17.7	0.35	2−			
2509 Chukotka		17.7	0.03	2−			
2510*Shandong		5.9463	0.29−0.44	3	p		
2511*Patterson		4.144	0.65−0.95	3	p		
2512*Tavastia		7.296	0.26−0.43	3			
2513 Baetslé		6.0792	0.32	3			
2516*Roman		2.6266	0.07	3		BN	
2518*Rutllant		3.651	0.12−0.16	3			
2519 Annagerman		12.982	0.14	2			SWF
2520*Novorossijsk		9.190	0.19−0.26	2			SWF
2521 Heidi		12.	0.02	1			
2522 Triglav		6.774	0.29	3−			
2523 Ryba		9.390	0.18	3			
2524 Budovicium		10.0819	0.17	3			
2525*O'Steen		3.569	0.16−0.25	3			
2526 Alisary		4.082	0.18	2			SWF
2527 Gregory		6.1025	0.18−0.34	3			
2528 Mohler	S	6.49130		2	p	N	LCI-W
2529 Rockwell Kent		7.	0.04	1			
2530 Shipka		>1.02	>0.05				SWF
2531 Cambridge		12.20	0.20−0.21	2			
2532 Sutton		51.362	0.02	1			SWF
2534 Houzeau		53.237	0.22	2			SWF
2535 Hämeenlinna		3.23106	0.07−0.11	3		B	
2536 Kozyrev		7.196	0.26−0.53	3			
2537 Gilmore		4.23	0.34−0.35	2			SWF
2540 Blok		19.20	0.07	1+		DA	SWF
2541 Edebono		2.9875	0.29	3−			
2542 Calpurnia		16.9	0.18	2			
2543*Machado		38.933	0.11−0.15	2			
2544 Gubarev		4.750	0.38−0.45	3			
2545 Verbiest		10.	0.06	1+			
2546 Libitina		132.71	0.35	2+			
2548 Leloir		3.2066	0.15−0.21	3			
2550 Houssay	S	9.78916		2	p	N	LCI-W
2552 Remek						HN	DWF
2554 Skiff		273.	0.9	2		T?	
2556*Louise		3.808	0.35−0.46	3			
2557 Putnam		35.68	0.23	3		N	
2558 Viv		4.784	0.58	3−			
2560 Siegma		10.309	0.07−0.10	2			SWF
2562 Chaliapin		11.45	0.40	3	p		
2563 Boyarchuk		11.04	0.11	2			
2564*Kayala		3.01	0.38−0.39	3−			
2565 Grögler		2.150	0.41	2			SWF
2566*Kirghizia		4.451	0.55−0.69	3			
2567 Elba		9.7785	0.25	3			
2568 Maksutov		7.5930	0.47−0.49	3	p		
2569*Madeline		12.001	0.18	2		A	
2571 Geisei		7.823	0.50	3−			
2572 Annschnell		6.343	0.70−0.82	3			
2573 Hannu Olavi		4.9355	0.33−0.37	3	p		
2574 Ladoga		27.240	0.23−0.26	3−			
2575*Bulgaria		8.605	0.43−0.62	3			
2576 Yesenin		271.974	0.34	2			SWF
2577 Litva		2.81258	0.14−0.36	3		M	
2578 Saint–Exupéry		8.146	0.22	3			
2579 Spartacus		3.63599	0.25−0.39	3	p		
2580 Smilevskia		330.	0.05−0.63	2			
2581 Radegast		8.753	0.79−0.82	3	p		
2582 Harimaya–Bashi		7.238	0.21−0.24	3			
2584 Turkmenia		6.372	0.22	2			SWF
2585 Irpedina		>100.	>0.40	2			
2586 Matson		7.28544	0.21	2			DWF

Planet	Period	Variation	Note	Survey
2587 Gardner	11.631	0.48	2 p	SWF
2590 Mourão	15.59	0.46−0.49	3	
2591 Dworetsky	12.77	0.45	2	
2592 Hunan	S 49.9871		2 p N	LCI-W
2593 Buryatia	15.085	0.15−0.16	2	SWF
2594 Acamas	25.954	0.50	2	SWF
2595*Gudiachvili	4.412	0.31−0.46	3−	
2596 Vainu Bappu	16.450	0.18−0.22	2	SWF
2598 Merlin	30.8402	0.15	2	DWF
2599 Veselí	18.54	0.20−0.33	2 A	
2601 Bologna		0.10	N	
2602*Moore	3.46723	0.15−0.34	3 B	
2603 Taylor	3.905	0.27	2+	
2604 Marshak	>30.	>0.17	2	
2605 Sahade	5.84064	0.24	2	DWF
2606 Odessa	8.2426	0.72−0.80	3 p	
2608*Seneca	8.	0.5	2	
2609 Kiril–Metodi	4.9433	0.80	3 p	
2610 Tuva	4.2666	0.57−0.60	3	
2612 Kathryn	7.71	0.43−0.44	3	
2613 Plzeň	34.7808	0.11	2	DWF
2615 Saito	14.960	0.38	2	SWF
2616 Lesya	9.2168	0.43−0.51	3 p	
2617 Jiangxi	11.7743	0.28−0.57	3 p	
2618 Coonabarabran	14.5983	0.33	2	DWF
2620 Santana	3.392	0.56	2	SWF
2621 Goto	22.006	0.32	3	
2622 Bolzano	3.057	0.34	2	SWF
2623 Zech	2.7401	0.15−0.22	3 B	
2624 Samitchell	12.41	0.51−0.57	3	
2625 Jack London	2.988	0.22	3−	
2626 Belnika	7.234	0.11	3−	
2627 Churyumov	7.66	0.61−0.84	3− p	SWF
2629 Rudra	123.171	0.58	2	SWF
2630 Hermod	S 19.4283		2 p N	LCI-W
2632 Guizhou		0.10	N	
2633 Bishop	4.73	0.70	3−	
2634*James Bradley	16.284	0.37	2+ p	
2635 Huggins	9.400	0.10−0.59	3−	
2636 Lassell	5.012	0.27	3−	
2637 Bobrovnikoff	4.7939	0.13	3	
2638 Gadolin	7.2174	0.37−0.38	3	
2639 Planman	89.5	0.40	2+ T0	
2640 Hällström	22.9	0.15	1	
2641*Lipschutz	21.62	0.24−0.29	3−	
2642*Vésale	5.566	0.12−0.55	3	
2643 Bernhard	95.0292	0.48	2	DWF
2644 Victor Jara	S 5.37430		2 p N	LCI-W
2645 Daphne Plane	8.360	0.08−0.32	3−	
2646 Abetti	38.8888	0.25	2	DWF
2647 Sova	9.366	0.23−0.35	3	
2648 Owa	3.5641	0.20−0.35	3	
2649 Oongaq	7.786	0.28−0.46	3	
2650 Elinor	2.762	0.02−0.18	3	
2651 Karen	6.3227	0.04−0.25	2 A	
2652 Yabuuti	2.496	0.23	2	SWF
2653*Principia	5.5228	0.17−0.52	3	
2656 Evenkia	7.0847	0.58−0.72	3 p	
2658 Gingerich	2.9392	0.39	3 B?	
2659 Millis	6.132	0.53−0.84	3 p	
2660*Wasserman	527.991	0.62	2	DWF
2661*Bydžovský	48.32	0.07−0.63	2	
2662 Kandinsky	20.43	0.18	1+	SWF
2663*Miltiades	S 3.957489		2 p N	LCI-W
2665*Schrutka	2.7170	0.16−0.26	3−	
2666 Gramme	14.12	0.45−0.65	3−	
2668 Tataria	2.78	0.20	2	
2669 Shostakovich	4.914	0.26−0.40	3	
2670*Chuvashia	3.846	0.15	3−	
2672 Písek	831.	0.90	2+ T?	
2673 Lossignol	4.094		2−	SWF
2674 Pandarus	8.480	0.17−0.65	3	
2675 Tolkien	1060.	0.75	2+ T?	
2677*Joan	16.98	0.50−0.52	3 p	
2678*Aavasaksa	82.2	1.21−1.30	3− T?	
2679 Kittisvaara	10.123	0.22	3	
2681 Ostrovskij	4.2231	0.38−0.39	3−	
2682 Soromundi	9.385	0.30	2	SWF
2683 Brian	S 22.528		2 p N	LCI-W
2685*Masursky		0.04−0.10	N	
2686 Linda Susan	S 8.7222		2 p N	LCI-W
2687 Tortali	21.75	0.19	2	
2688 Halley	16.022		2−	SWF
2689 Bruxelles	8.71	0.05	2	
2691 Sersic	3.8811	0.21−0.22	3 B	
2692*Chkalov	6.11	0.13−0.15	2	
2693 Yan′an	3.842	0.12	3−	
2695 Christabel	6.009	0.06	1	
2696 Magion	480.	0.31	2 AT0	
2697 Albina	16.587	0.16	2	SWF
2698 Azerbajdzhan	27.20	0.63−0.66	3−	
2699 Kalinin	2.928	0.22−0.28	3	
2700 Baikonur	10.566	0.66	2 p	SWF
2702 Batrakov	9.15	0.35−0.63	2+	
2703 Rodari	5.5	0.20	1	
2704 Julian Loewe	2.6382	0.15−0.35	3 p	
2705*Wu	150.5	0.19−1.2	3− T	
2706 Borovský	63.846	0.61	2	SWF
2707 Ueferji	5.286	0.16	2	SWF
2708 Burns	5.315	0.52	3	
2709 Sagan	5.2564	0.09−0.63	3 p	
2710 Veverka	15.732	0.42	2	SWF
2712 Keaton	5.87	0.17	2	SWF
2713 Luxembourg	3.579	0.47−0.64	3− p	
2714 Matti	9.	0.25	2	
2715 Mielikki	33.62	0.54−0.55	3−	
2717 Tellervo	4.213	0.40	2+	
2718 Handley	S 13.09803		2 p N	LCI-W
2722 Abalakin	9.23	0.28	2	SWF
2723 Gorshkov	42.484		2	SWF
2725 David Bender	9.956	0.37	3− p	
2726*Kotelnikov	16.63	0.26−0.34	2	
2727 Paton	5.326	0.26−0.32	3	
2729 Urumqi	3.127	0.19−0.35	3	
2730 Barks	6.084	0.26−0.28	3	
2731*Cucula	61.55	0.20−0.40	2+ T?	
2732*Witt	12.622	0.50	2	
2733 Hamina	93.23	0.36−0.48	2 T?	
2734 Hašek	8.208	0.17	2	SWF
2735 Ellen	159.	1.50	3− T0	
2736 Ops	10.7	0.2	1 N	
2737 Kotka	12.157	0.30	2+	
2740 Tsoj	22.042	0.89	2 p	SWF
2741*Valdivia	4.098	0.22−0.47	3 p	
2743*Chengdu	8.32053	0.45	2 p	DWF
2744 Birgitta	8.994	0.17−0.4	3	
2745*San Martín	2.80289	0.04	2	DWF
2746 Hissao	3.1848	0.40−0.41	3	
2747 Český Krumlov	438.710	0.63	2	SWF
2748 Patrick Gene	7.60579	0.22	2	DWF
2750 Loviisa	>200.	0.8	2	
2751 Campbell	2.747	0.08	3−	
2752*Wu Chien–Shiung	36.343	0.23−0.28	2	SWF
2754 Efimov	2.44967	0.13−0.16	3 B	
2757 Crisser	8.0882	0.28	2	
2759 Idomeneus	479.	0.19−0.27	3− B?	
2760 Kacha	13.0	0.06	3 p	
2762 Fowler	5.295	0.63−0.64	3−	
2763 Jeans	7.80	0.13−0.18	3	
2764 Moeller	5.953	0.24−0.51	3	
2766 Leeuwenhoek	17.2907	0.06	2	DWF
2768*Gorky	4.507	0.15−0.51	3	
2769 Mendeleev	8.229	0.48	2	SWF
2770 Tsvet	7.82	0.47−0.52	3	
2771*Polzunov	11.66	0.15	2	
2772 Dugan	235.	1.14	2+ T0	
2773 Brooks	4.838	0.37	3	
2774 Tenojoki	11.2	0.30	2+	
2776 Baikal		0.04	N	
2778 Tangshan	3.461	0.25−0.30	3	
2779 Mary	3.36	0.10	2	
2781 Kleczek	7.306	0.30	3	
2783*Chernyshevskij	9.455	0.23−0.24	3−	
2784*Domeyko	6.025	0.15−0.22	2+	
2785 Sedov	5.49	0.31−0.45	3− p	
2786 Grinevia	2.911	0.33	3	
2791 Paradise	9.81	0.25−0.34	3 p	
2792*Ponomarev	137.566	0.35−0.44	2	SWF
2793 Valdaj	10.594	0.14	2	
2794*Kulik	8.	0.15−0.22	2	

Planet	Period	Variation	Note	Survey
2795 Lepage	40.362		2	SWF
2796 Kron	23.04	0.09	2	
2797 Teucer	10.145	0.20−0.25	3	
2802 Weisell	14.683	0.25−0.37	2 p	
2803 Vilho	12.5	1.00	2−	
2804 Yrjö	8.12	0.25−0.26	2+	SWF
2807 Karl Marx	8.81893	0.33	2	DWF
2808 Belgrano	195.83	0.27	2	DWF
2809 Vernadskij	7.919	0.27−0.30	2	SWF
2811 Střemchoví	3.249	0.28−0.33	3	
2812 Scaltriti	7.70	0.25	3	
2813 Zappalà	18.231	0.28	3	
2814 Vieira	3.366	0.17−0.18	2	SWF
2815 Soma	2.73325	0.07−0.08	3 B	
2816*Pien	80.315	0.45−0.50	2	SWF
2818 Juvenalis	S 3.640494		2 p N	LCI-W
2820*Iisalmi	2.7580	0.24	3	
2824 Franke	3.38	0.06	2	
2825 Crosby	2.8135	0.08−0.10	3 B	
2826 Ahti	>24.	0.08−0.1	1	
2827 Vellamo	3.7386	0.16−0.19	3	
2828 Iku–Turso		0.60	N	
2829*Bobhope	6.3335	0.50−0.66	3	
2830*Greenwich	>24.	0.34−0.5	2 p	
2832 Lada	8.357	0.47	2+	
2834 Christy Carol	12.79	0.39−0.50	3−	
2835 Ryoma	18.234	0.17	2	SWF
2836 Sobolev	S 4.754883		2 p N	LCI-W
2837 Griboedov	3.950		2	SWF
2839*Annette	10.4595	0.20−0.92	3 p	
2840 Kallavesi		0.27	N	
2841 Puijo	3.545	0.03	1+	
2842 Unsöld	49.50	0.25	3	
2843 Yeti	156.718	0.45	2	SWF
2845 Franklinken	114.	0.8	3−	
2846 Ylppö	18.894	0.17−0.25	2	SWF
2847 Parvati	2.640	0.11	2	
2848 ASP	40.114	0.39	2	SWF
2849 Shklovskij	2.99974	0.12	2	DWF
2850 Mozhaiskij	7.830	0.13	3−	
2851 Harbin	5.414	0.56−0.79	3−	
2853 Harvill	6.30	0.55−0.65	3−	
2854 Rawson	4.7755	0.61−0.63	3	
2855 Bastian	3.5160	0.10−0.15	3 3	
2856 Röser	13.73	0.49	2+	
2857 NOT	5.6353	0.25−0.28	3	
2858 Carlosporter	3.35	0.15−0.47	2	
2860 Pasacentennium	2.660	0.12−0.17	3	
2862 Vavilov	>800.	>0.4	2 T0	
2865 Laurel	21.5	0.15	2	
2867 Šteins	6.049	0.18−0.31	3 p	
2869 Nepryadva		0.04−0.1	N	
2870 Haupt	274.	0.54−0.60	3− T0	
2871 Schober	2.8674	0.18	3−	
2872 Gentelec	10.624	0.16	2	SWF
2873*Binzel	2.7036	0.09−0.14	3 B	
2874 Jim Young	131.3	0.75	2 T0	
2875 Lagerkvist	5.628	0.62	3	
2877 Likhachev	12.582	0.58	2	SWF
2879*Shimizu	18.72	0.08−0.17	2	
2880 Nihondaira	17.97	0.22−0.75	2	
2881 Meiden	3.48011	0.10−0.23	3 M	
2882 Tedesco	19.805	0.65−0.76	3	
2883*Barabashov	2.6839	0.04−0.08	3 B	
2884 Reddish	14.310	0.80−0.90	2+ p	
2886 Tinkaping	12.	>0.13	1	
2887 Krinov	16.71	0.52−0.61	3	
2888 Hodgson	6.905	0.11−0.13	3−	
2889*Brno	9.51	0.42−0.80	2+	
2890 Vilyujsk	3.45	0.08−0.20	2+	
2891 McGetchin	240.394	0.28	2	DWF
2892 Filipenko	14.00	0.21	3	
2893 Peiroos	8.945	0.30−0.35	3	
2895 Memnon	7.516	0.08−0.48	3	
2896*Preiss	24.	0.34	2 N	
2897 Ole Römer	2.6009	0.06−0.15	3	
2898 Neuvo	13.83	0.62	2	DWF
2901 Bagehot	2.773		2	SWF
2902 Westerlund	30.	0.7	1 N	
2903 Zhuhai	5.263	0.32−0.54	3	
2904 Millman	12.6603	0.25	3−	
2906 Caltech	12.9937	0.16−0.27	2+	
2907 Nekrasov	25.1493	0.43	2	DWF
2908 Shimoyama	694.117	0.41	2	DWF
2909 Hoshi–no–ie		0.23	N	
2910 Yoshkar–Ola	3.4233	0.36	3	
2911 Miahelena	4.201	0.56−0.69	3 p	
2912 Lapalma	5.71076	0.82−0.88	3	
2914 Glärnisch	8.35	0.24	3−	
2915 Moskvina	2.177	0.47	2	SWF
2916*Voronveliya	42.417		2	SWF
2919 Dali	7.43	0.37−0.45	3 p	
2920*Automedon	10.212	0.11−0.31	3	
2921 Sophocles	4.778	0.16−0.23	2	
2925 Beatty	3.6612	0.29−0.43	3− p	
2927 Alamosa	4.3832	0.26	3	
2928 Epstein	8.509	0.37	2	SWF
2929*Harris	3.13	0.24−0.35	2+	
2931 Mayakovsky	37.38	0.14−0.23	3	
2933*Amber	13.482	0.18−0.32	2	
2934 Aristophanes	10.3686	0.26	2	DWF
2936 Nechvíle	119.642	0.48	2	SWF
2937*Gibbs	2.9820	0.26−0.51	3	
2939 Coconino	4.68138	0.46	3 p	
2942 Cordie	80.0	1.1	2 T	
2943 Heinrich	8.7923	0.17−0.20	3	
2944 Peyo	3.04731	0.29	2	DWF
2945 Zanstra	10.05	0.14	1	
2947 Kippenhahn	10.430	0.42−0.43	3− p	
2948 Amosov	7.3996	0.86−1.20	2 p A	
2950 Rousseau	18.228	0.30	2	
2951*Perepadin	4.781	0.49−0.76	3 p	
2952 Lilliputia	3.26	0.12	2	
2953 Vysheslavia	6.2945	0.09−0.23	3 p	
2954 Delsemme	4.691	0.21−0.25	3	
2956 Yeomans	3.4	0.24−0.28	2	
2957*Tatsuo	6.8191	0.43−0.53	3 p	
2959 Scholl	4.359	0.14	2+	
2960 Ohtaki	5.31	0.39−0.55	3−	SWF
2961 Katsurahama	2.936	0.20−0.30	3	
2962 Otto	2.67756	0.14−0.17	3 p	
2964 Jaschek	12.53	0.38−0.50	3−	
2965*Surikov	9.061	0.23−0.29	3	
2969 Mikula	4.713		2−	SWF
2970 Pestalozzi	126.942	0.66	2	DWF
2972 Niilo	8.592	0.12	2 4A	
2973 Paola	>24.	0.2	1	
2974 Holden	856.	0.70	2+ T0	
2975 Spahr	11.946	0.47	3−	
2976 Lautaro	17.41	0.12	2−	
2977 Chivilikhin	6.2574	1.05	3	
2978 Roudebush	62.354	0.39	2	SWF
2979 Murmansk		0.60		SWF
2983 Poltava	8.865	0.67	3−	
2985 Shakespeare	6.06	0.39−0.57	3 p	
2986 Mrinalini	15.9	0.2	2 A	
2988 Korhonen	29.494	0.81−0.97	3	
2989 Imago	11.457	0.45	3−	
2990 Trimberger	7.787		2−	SWF
2991 Bilbo	4.0637	0.40	3 p	
2992 Vondel	18.849	0.50	2 p	SWF
2993 Wendy	4.456	0.60−0.68	3 p	
2994 Flynn	9.747	0.14	2	SWF
2995 Taratuta	11.14	0.25	3−	
2996 Bowman	12.829	0.26−0.45	2	SWF
2997 Cabrera	S 5.31070		2 p N	LCI-W
2998 Berendeya	8.000	0.71−0.75	3	
3000 Leonardo	7.524	0.26	2	
3001 Michelangelo	8.338	0.12−0.24	3−	
3002 Delasalle	6.534	0.31−0.47	3	
3003*Konček	9.62971	0.51−0.57	3	
3005 Pervictoralex	36.4	0.12	2	
3007 Reaves	4.15554	0.38−0.45	3	
3008 Nojiri	5.855	0.42	3	
3009 Coventry	78.964		2−	SWF
3010 Ushakov	3.562		2	SWF
3012 Minsk	3.91220	0.06	2	
3013 Dobrovoleva	8.3025	0.41	3	
3014 Huangsushu	15.6970	0.32−0.35	3−	
3015 Candy	4.625	0.50−1.05	3 p	

Planet	Period	Variation	Note	Survey
3016 Meuse	4.039		2−	SWF
3017 Petrovič	4.08033	0.39−0.62	3 p	
3018 Godiva	10.881	0.39	3	
3019 Kulin	S 92.577		2 p N	LCI-W
3020 Naudts	126.247	0.46	2	SWF
3021*Lucubratio	12.0934	0.23	2 p	DWF
3022 Dobermann	10.330	0.75−1.24	3	
3023 Heard	2.713	0.14	2	SWF
3024 Hainan	11.746	0.09−0.14	2+	
3025 Higson	13.06	0.11−0.21	3	
3026 Sarastro	15.74	>0.2	1+ DA	SWF
3028 Zhangguoxi	4.826	0.12−0.25	3	
3029*Sanders	3.064	0.44	3−	
3030 Vehrenberg	4.812	0.60	2 p	SWF
3031 Houston	11.218	0.11−0.17	3	
3032 Evans	3.3970	0.10−0.16	2+	
3033 Holbaek	233.3	0.15−1.20	3− T-	
3034 Climenhaga	2.737485	0.10	3 B	
3035 Chambers	>5.33	>0.12		SWF
3036 Krat	9.61	0.33	3	
3037 Alku	11.844	0.95	3	
3039 Yangel	12.573	0.16	3−	
3040*Kozai	4.518	0.27−0.39	3	
3041 Webb		0.05	N	
3042 Zelinsky	5.3248	0.08	2	
3043 San Diego	105.7	0.60	3− T0	
3044*Saltykov	35.3573	0.34	2 p	DWF
3045 Alois	3.753	0.18	2	SWF
3048 Guangzhou	3.81	0.10−0.11	2	SWF
3049 Kuzbass	5.022		2−	SWF
3050 Carrera	7.56	0.08	2	SWF
3051 Nantong	3.690	0.26	3	
3052 Herzen	11.605	0.89	3	
3053 Dresden	4.788	0.34	2	SWF
3055 Annapavlova	44.626	0.41	2	SWF
3057 Mälaren	4.496	0.29	2	SWF
3059 Pryor	24.544	0.45−0.60	3 p	
3060 Delcano	2.80265	0.14−0.18	3	
3062 Wren	7.097	0.17−0.25	2+	
3063 Makhaon	8.64	0.06−0.15	2	
3064 Zimmer	190.495	0.70	2	SWF
3065 Sarahill	7.4525	0.95	3	
3066*McFadden	13.798	0.13−0.26	3	
3067 Akhmatova	3.68629	0.24−0.80	3	
3068 Khanina	3.61	0.63	3−	
3069 Heyrovský	6.6	0.23	2	
3070*Aitken	6.3939	0.38−0.47	3−	
3072 Vilnius	7.1940	0.56	3	
3073 Kursk	3.4468	0.20−0.21	3 B	
3075 Bornmann	2.987	0.16	2	SWF
3076 Garber	2.7600	0.15−0.18	3	
3077 Henderson	16.235	0.67	3−	
3078 Horrocks	13.620	0.25	3−	
3080 Moisseiev	6.230	0.30−0.40	3	
3082 Dzhalil	17.064	0.25	2	SWF
3084 Kondratyuk	5.227	0.20	3	
3085 Donna	S 4.79790		2 p N	LCI-W
3086*Kalbaugh	5.180	0.47−0.84	3 p	
3088*Jinxiuzhonghua	6.005	0.17−0.31	2	SWF
3089 Oujianquan	14.328	0.45−0.52	3−	
3090 Tjossem	S 42.8932		2 p N	LCI-W
3091 van den Heuvel	30.9	0.30	2−	
3092 Herodotus	38.9367	0.18	2	DWF
3093 Bergholz	25.2454	0.37	2	DWF
3094 Chukokkala	8.3711	0.33	3	
3095 Omarkhayyam	11.920	0.12	2	SWF
3096 Bezruč	S 27.3662		2 p N	LCI-W
3097*Tacitus	S 8.7759	0.51	2 p	LCI-D
3099*Hergenrother	25.58	0.28−0.35	3−	
3101 Goldberger	5.268	0.63−1.03	3	
3102*Krok	149.4	1.30−1.6	3 p T-	
3103 Eger	5.7103	0.49−1.18	3 p	
3104 Dürer	6.327	0.10−0.28	3	
3105 Stumpff	5.0369	0.32−0.48	3	
3106*Morabito	6.26	0.12−0.27	3 N	
3107 Weaver	22.298	0.66	3	
3108 Lyubov	2.658	0.18	2	SWF
3109 Machin	20.3	0.46	2 p	
3111 Misuzu	>40.	0.25	2−	SWF
3112 Velimir	3.653		2−	SWF
3113 Chizhevskij	18.79	0.70	2	
3115 Baily	16.012	0.08−0.2	3−	
3116 Goodricke	10.	0.09	2	
3117 Niepce	9.84	0.85	2	
3118 Claytonsmith	15.794	0.40	2	
3119 Dobronravin	S 6.39902		2 p N	LCI-W
3120*Dangrania	20.68	0.19−0.39	2	
3121 Tamines	4.043	0.04−0.19	3	
3122*Florence	2.3581	0.12−0.37	3 p M	
3123 Dunham	172.534	0.63−0.73	2	SWF
3124 Kansas	9.10591	0.40	2	DWF
3125 Hay	14.31	0.48−0.54	3	
3127*Bagration	>16.	>0.1	1	
3128 Obruchev	12.642	0.55	2	SWF
3129 Bonestell	2.97794	0.19	3	
3130 Hillary	25.282	0.84	2	SWF
3131 Mason–Dixon	19.748	0.70	2 p	SWF
3132 Landgraf	392.118	0.50	2	DWF
3133*Sendai	5.776	0.18−0.36	3−	
3134*Kostinsky	14.7	0.26−0.40	2 p	
3138 Ciney	113.	0.48−0.56	2+ DT0	
3139 Shantou	8.33	0.34	2	
3140*Stellafane	19.23	0.13−0.17	2+	
3141*Buchar	11.41	0.14−0.47	2+	
3142*Kilopi	15.128	0.04−0.29	2	SWF
3143 Genecampbell	3.193		2−	SWF
3144*Brosche	3.300	0.51−0.60	3	
3145 Walter Adams	2.7113	0.10−0.2	3 B?	
3146 Dato	5.0540	0.23−0.27	3	
3147 Samantha	5.2724	0.62	3	
3148 Grechko	5.983	0.34−0.35	2	SWF
3151*Talbot	19.49	0.11−0.40	2+	
3152 Jones		0.09	N	
3153 Lincoln	4.81947	0.08	2	DWF
3155 Lee	8.310	0.22−0.4	3 4	
3156*Ellington	8.33	0.10−0.11	2	
3157 Novikov	14.930	0.27	2	
3158 Anga	>8.		N	
3159 Prokof′ev	3.89	0.42	2−	
3160 Angerhofer	44.720	0.32	2 T?	
3161 Beadell	36.253	0.43	3−	
3162*Nostalgia	6.412	0.45−0.80	3	
3163 Randi	59.50	0.54−1.2	2	
3165 Mikawa	5.08	0.08−0.27	2	
3166*Klondike	>20.	0.47	2	
3167*Babcock	15.450	0.12−0.30	2	
3169 Ostro	6.503	0.35−1.13	3 p	
3170 Dzhanibekov	6.0724	0.64	2+ p	
3171 Wangshouguan	43.548	0.23−0.28	2+	
3174 Alcock	7.05	0.65	3−	
3176*Paolicchi	10.215	0.22−0.31	3	
3177*Chillicothe	3.54722	0.22−0.25	3	
3178 Yoshitsune	7.478	0.52−0.53	3	
3179 Beruti	5.383	0.80−0.84	2 p	SWF
3181 Ahnert		0.08	N	
3182 Shimanto	2.9950	0.26−0.30	3	
3183 Franzkaiser	S 38.0358		2 p N	LCI-W
3184 Raab	274.944	0.09	1	SWF
3186 Manuilova	18.147	0.22−0.35	2	SWF
3187 Dalian	2.706	0.14	2	SWF
3188*Jekabsons	2.363	0.08−0.09	2	SWF
3192 A′Hearn	3.160	0.20	3	
3193*Elliot	2.9146	0.11−0.18	3	
3194 Dorsey	17.810	0.44	2	SWF
3196 Maklaj	21.807	0.45	2	SWF
3197*Weissman	6.112	0.22−0.26	3	
3198 Wallonia	7.569	0.38−0.57	3	
3199 Nefertiti	3.021	0.1 −0.30	3 p	
3200 Phaethon	3.604	0.05−0.34	3 p	
3201 Sijthoff	4.607	0.29	2	SWF
3202*Graff	17.32	0.17−0.34	3−	
3203 Huth	4.7064	0.13	3−	
3204 Lindgren	5.614	0.15	2	SWF
3207 Spinrad	2.73	0.18	2	SWF
3209 Buchwald	27.98	0.66	2+	
3210 Lupishko	14.255	0.67−0.74	2+ p	
3212 Agricola	9.	0.07	1 N	
3213 Smolensk	3.564	0.16−0.25	2	SWF
3214 Makarenko		0.04	N	
3218 Delphine	3.468	0.12	2	SWF

Planet	Period	Variation	Note	Survey
3219*Komaki	3.8110	0.16−0.31	3	
3220 Murayama	4.8595	0.13−0.16	2 B?	
3223 Forsius	2.343	0.20−0.28	3	
3224 Irkutsk	33.140	0.51	2	SWF
3225 Hoag	2.3717	0.12−0.23	3 p	
3227 Hasegawa	6.536	0.34−0.39	3	
3228 Pire	11.538	0.50	3 p	
3229 Solnhofen	11.52	0.38−0.71	2	
3230 Vampilov	6.149	0.24−0.27	3−	
3232*Brest	5.288	0.25−0.82	2	
3233 Krišbarons	888.	1.44	2 T0	
3236 Strand	66.133	0.43−0.44	3	
3237 Victorplatt	10.36	0.24	2	
3238 Timresovia	32.4941	0.24	2	DWF
3240 Laocoon	11.312	0.55	2+	
3242 Bakhchisaraj	15.	0.07	2−	
3244 Petronius	41.130		2	SWF
3247 Di Martino	5.445	0.32−0.51	3 p	
3248*Farinella	3.339	0.18−0.20	3−	
3249 Musashino	4.552717	0.55	3	
3250 Martebo	9.495	0.35−0.52	3	
3252 Johnny	3.5467	0.47−0.50	3	
3253 Gradie	6.293	0.48−0.54	2 A	
3254 Bus	6.62	0.31−0.34	2	
3255*Tholen	2.9463	0.07−0.28	3−	
3257 Hanzlík	8.465	0.20	2	SWF
3258 Somnium	5.3379	0.80	3 p	
3259 Brownlee	9.25	0.16−0.32	3−	
3260*Vizbor	72.12	0.64	2+	
3261 Tvardovskij	S 5.36852		2 p N	LCI-W
3262 Miune	18.692	0.30−0.38	3	
3263 Bligh	3.193	0.16	2+	
3264 Bounty	>0.67	>0.12		SWF
3266 Bernardus	10.757	0.27−1.14	3 p	
3267*Glo	6.8782	0.33−0.34	3	
3268 De Sanctis	17.	0.4	2	
3269 Vibert–Douglas	17.9826	0.59	2	DWF
3270 Dudley	4.047	0.25	3	
3272 Tillandz	4.74961	0.59−0.67	3 p	
3273 Drukar	138.017	0.27	2	DWF
3274 Maillen	11.369	0.65	2	SWF
3275 Oberndorfer	9.23645	0.19	2	DWF
3277 Aaronson	9.80	0.14	2+	
3279 Solon	8.0969	0.85	3 p	
3280 Grétry	10.56	0.35−0.51	3−	
3281 Maupertuis	6.7295	1.22	3 p	
3283 Skorina	147.122	0.45	2	DWF
3284 Niebuhr	4.307	0.50	3	
3285 Ruth Wolfe	3.919	0.20	3 p	
3286 Anatoliya	S 5.81029		2 p N	LCI-W
3287 Olmstead	4.963	0.34−0.49	3−	
3288 Seleucus	75.	1.0	3 T	
3290 Azabu	7.670	0.23	3−	
3293 Rontaylor	2.90	0.23	2	SWF
3295 Murakami	3.534	0.13−0.14	3	
3296*Bosque Alegre	7.778	0.30−0.31	3−	
3299*Hall	10.45	0.08−0.71	2 A	
3300 McGlasson	22.91	0.16	2	
3301 Jansje	9.4340	0.53−0.70	3 p	
3302 Schliemann	2.6753	0.25	3	
3304 Pearce	40.323	0.43	2	SWF
3305 Ceadams	2.729	0.20	3−	
3306*Byron	7.321	0.18−0.84	3−	
3307 Athabasca	4.902	0.45	3−	
3308 Ferreri	9.229	0.36	2	SWF
3309 Brorfelde	2.5041	0.09−0.23	3 B	
3310 Patsy	9.36	0.15	3	
3312 Pedersen	24.438	0.15	2	SWF
3313 Mendel	13.2848	0.22	2	DWF
3314 Beals	5.4616	0.70	3 p	
3315*Chant	13.4624	0.29−0.38	3	
3316 Herzberg	9.6	0.1	1	
3317*Paris	7.0812	0.08−0.12	3	
3318*Blixen	6.456	0.15−0.23	2+	
3322 Lidiya	710.	0.6	1	
3324 Avsyuk	8.6140	0.28−0.61	3	
3325 TARDIS	S 11.5681		2 p N	LCI-W
3326 Agafonikov	S 8.11801		2 p N	LCI-W
3329 Golay	7.129	0.57	3	
3330 Gantrisch	28.9	0.21−0.24	3	
3332 Raksha	4.8065	0.25−0.36	3	
3333 Schaber	10.971	0.46	3−	
3334 Somov	5.529		2	SWF
3335 Quanzhou	4.968	0.27−0.80	2	
3337 Miloš	7.220		2	SWF
3339 Treshnikov	18.2947	0.30	3−	
3341 Hartmann	16.63	0.40	3	
3343*Nedzel	5.4620	0.56−0.87	3 p	
3345 Tarkovskij	187.	0.59−0.7	3−	
3350 Scobee		>0.17		
3351 Smith	7.72574	0.19	2	DWF
3352 McAuliffe	2.2060	0.08−0.16	3 B?	
3353 Jarvis	202.0	0.10−0.50	2+ T0	
3354 McNair	7.56	0.03	2+	
3355 Onizuka	215.823	0.25	2	DWF
3356 Resnik	>32.	>0.1	2	
3357 Tolstikov	3.17056	0.38	2	DWF
3361*Orpheus	3.5327	0.17−0.32	3	
3362 Khufu		>0.14		
3363 Bowen	3.0219	0.19	3	
3364*Zdenka	7.584	0.34−0.49	3 p	
3366*Gödel	4.684	0.15−0.20	2+	
3367 Alex	9.6	0.01−0.05	1	
3368 Duncombe		0.1		
3369 Freuchen	43.6173	0.04	2	DWF
3370 Kohsai	4.907	0.73	3 p	
3374 Namur	S 13.8542		2 p N	LCI-W
3375 Amy	S 3.255633		2 p N	LCI-W
3376 Armandhammer	7.916	0.03−1.10	3−	
3377 Lodewijk	6.760	0.33	2	SWF
3378*Susanvictoria	2.5621	0.06−0.10	3 BN	
3382 Cassidy	4.258	0.10−0.16	3−	
3383 Koyama	111.845	0.62	2	SWF
3385 Bronnina	2.95893	0.12−0.28	3−	
3387 Greenberg	2.6941	0.08−0.18	3	
3388 Tsanghinchi	3.257	0.33	3	
3391 Sinon	8.135	0.72	3	
3394 Banno	7.321	0.21−0.24	3	
3395 Jitka	18.293	0.30−0.50	3	
3397 Leyla	3.098	0.29−0.40	3	
3398*Stättmayer	8.291	0.13−0.22	3	
3399 Kobzon	S 11.57020		2 p N	LCI-W
3401*Vanphilos	4.2261	0.41−0.62	3 p	
3402 Wisdom	4.9951	0.74−0.75	3	
3403*Tammy	11.85	0.10−0.12	1	
3406 Omsk	7.275	0.28	3	
3407 Jimmysimms	6.819	0.67−0.95	3 p	
3408 Shalamov	10.495	0.28	1+	
3409 Abramov	7.791	0.49−0.50	3	
3410 Vereshchagin	2.6778	0.11−0.14	3	
3411*Debetencourt	9.93	0.42−0.43	3− p	
3413 Andriana	11.2	0.11	2−	SWF
3415 Danby	5.675	0.09−0.35	2+	
3416 Dorrit	2.574	0.21−0.27	3	
3417*Tamblyn	5.467	0.12−0.25	2	SWF
3419 Guth	14.43	0.19−0.29	3	
3420 Standish	S 10.3869		2 p N	LCI-W
3421*Yangchenning	4.990	0.34	3 p	
3422*Reid	2.91	0.32−0.52	3	
3425 Hurukawa	24.84	0.17−0.47	3−	
3426 Seki	17.9983	0.05	2	DWF
3427 Szentmártoni		0.75		SWF
3428 Roberts	3.278	0.58	3 p	
3429 Chuvaev	3.365	0.18	2	SWF
3431 Nakano	9.0563	0.20−0.25	3−	
3432 Kobuchizawa		0.04	N	
3433 Fehrenbach	3.9160	0.24−0.34	3 B	
3435 Boury	14.42	0.36−0.38	3−	
3436 Ibadinov	>170.	1.	1	
3437 Kapitsa	6.3220	0.17−0.18	3	
3438 Inarradas	24.82	0.38	2	
3439*Lebofsky	5.969	0.18−0.20	2	SWF
3442 Yashin	8.552	0.50	2	SWF
3443 Leetsungdao	3.439	0.23−0.47	3	
3444*Stepanian	14.47	0.21−0.34	3−	
3445 Pinson	7.801	0.30	3	
3446 Combes	5.6985	0.17−0.18	3	
3447*Burckhalter	59.8	0.30−0.39	3 T+	
3448 Narbut	570.37	0.39	2	SWF
3451 Mentor	7.702	0.13−0.63	3 p	

Planet		Period	Variation	Note			Survey
3453*Dostoevsky		3.16020	0.05−0.09	3−			
3454 Lieske		105.	>0.73	2−			
3455 Kristensen		8.111	0.37−0.45	3	p		
3458 Boduognat		3.8565	0.38	3			
3459 Bodil		52.572		2			SWF
3460 Ashkova		4.562	0.31	2			SWF
3461 Mandelshtam		2.848	0.20	2			SWF
3466 Ritina		5.253	0.51	2			SWF
3467 Bernheim	S	16.5190		2	p	N	LCI-W
3468 Urgenta		16.2956	0.24	2			DWF
3469 Bulgakov		6.48	0.09	1			
3470 Yaronika		6.63	0.80	3			
3472 Upgren		9.440	0.46	2			SWF
3474 Linsley		9.22	0.74	2+			
3477 Kazbegi				2		N	
3478 Fanale		3.245	0.47−0.60	3	p		
3479 Malaparte		16.2997	0.42	2			DWF
3481 Xianglupeak		5.3193	0.30−0.44	3			
3483 Svetlov		6.790	0.21−0.30	3			
3484 Neugebauer		7.893	0.10−0.47	2+			
3485 Barucci		14.65	0.19	1			
3486 Fulchignoni		2.808		2−			SWF
3487 Edgeworth	D	long	0.1	1+			
3491 Fridolin		9.898	0.10	2			SWF
3492*Petra–Pepi		47.05	0.23−0.55	3−	p		
3493 Stepanov		6.112	0.77−0.95	3			
3494*Purple Mountain		5.8575	0.32−0.43	3	p		
3496 Arieso		2.862	0.30	3			
3497*Innanen		7.181	0.33−0.60	3			
3499 Hoppe		3.527		2−			SWF
3500 Kobayashi		5.606	0.17−0.60	2			SWF
3501 Olegiya		8.71567	0.19	2			DWF
3502 Huangpu		7.363		2−			SWF
3504 Kholshevnikov		4.719		2			SWF
3506 French		16.756	0.69	2			SWF
3507 Vilas		3.959	0.29	3			
3509 Sanshui		13.68	0.07	2			
3511 Tsvetaeva		6.2279	0.80−0.92	3			
3512 Eriepa		6.784	0.25−0.35	3			
3513 Quqinyue		9.882	0.84	2			SWF
3514 Hooke		4.307	0.17−0.19	3			
3516 Rusheva		3.53	0.27	3			SWF
3518*Florena		3.2269	0.05−0.17	3−			
3519 Ambiorix		5.78	0.19	2			SWF
3522 Becker	S	30.9114		2	p	N	LCI-W
3523 Arina		2.67	0.07	2			
3524 Schulz		13.39	0.37−0.58	2			SWF
3525*Paul	S	13.4116	0.1	2	p	N	
3527 McCord		321.	0.44	2		T0	
3528 Counselman		10.765	0.59	2			SWF
3530 Hammel		4.53	0.68	2			SWF
3531 Cruikshank		148.263	0.11	2			DWF
3532 Tracie			0.10			N	
3533*Toyota		2.9807	0.15−0.21	3			
3534 Sax		6.221	0.27	3			
3536 Schleicher		5.79	0.94	3	p		
3537*Jürgen		13.384	0.17	3			
3539 Weimar		7.29	0.27	2+			
3540*Protesilaos		8.945	0.13−0.14	2			
3541 Graham		3.5277	0.12−0.13	3			
3543 Ningbo		6.40	0.33	2			SWF
3544 Borodino		5.442	0.60−0.65	3	p		
3546 Atanasoff		3.754	0.41	2			SWF
3548*Eurybates		8.711	0.08−0.20	3−	p		
3549*Hapke		7.070	0.24−0.45	3−			
3550 Link		12.371	0.21	2			SWF
3551 Verenia		4.930	0.11−0.15	2			
3552 Don Quixote		6.665	0.43−1.24	3			
3553 Mera		3.1944	0.08	2			
3554 Amun		2.53001	0.16−0.23	3			
3555 Miyasaka		54.208	0.34	2			SWF
3557 Sokolsky		6.725	0.19−0.21	3			
3558*Shishkin		6.875	0.89−0.95	3			
3559 Violaumayer		3.79	0.19	1+			SWF
3560*Chenqian		12.454	0.17−0.26	2			
3561 Devine		9.61	0.08−0.23	2+	p		
3562 Ignatius		2.832	0.08−0.21	3		B?	
3563 Canterbury		15.553	0.61	2			SWF
3564 Talthybius		40.59	0.31−0.38	3−			
3565 Ojima	S	15.4510		2	p	N	LCI-W

Planet		Period	Variation	Note			Survey
3566 Levitan	S	5.61403		2	p	N	LCI-W
3567 Alvema		8.17	0.17−0.45	3−			
3569*Kumon		7.49	0.12	2			
3570*Wuyeesun		15.432	0.45	3−			
3571 Milanštefánik		421.1	0.65	2+		T0	
3572 Leogoldberg	S	10.10068		2	p	N	LCI-W
3573 Holmberg		6.5431	0.91−1.03	3	p		
3575*Anyuta		6.321	0.31−0.38	3			
3576 Galina		3.3423	0.04−0.05	2			
3577*Putilin		18.239	0.11−0.27	3−			
3578 Carestia		9.93	0.13	2			
3580 Avery		24.226	0.17−0.33	2			SWF
3581 Alvarez		33.42	0.06	2			
3585 Goshirakawa		2.97	0.04	2			SWF
3586*Vasnetsov		4.0536	0.44−0.49	3			
3589 Loyola		4.166		2			SWF
3590 Holst		12.7635	0.20	2			
3591 Vladimirskij		4.900		2			SWF
3592 Nedbal		2.55004	0.17	3			
3596 Meriones		12.96	0.15	2			
3597 Kakkuri		27.0	0.74−0.75	2			SWF
3599 Basov		2.16	0.10	2			SWF
3600 Archimedes		5.439	0.35	3			
3601 Velikhov		12.124		2−			SWF
3602 Lazzaro		4.939	0.14	2			SWF
3603 Gajdušek		4.770	0.29	2			SWF
3604 Berkhuijsen		17.2028	0.30	2			DWF
3605 Davy		2.72	0.20−0.25	3			
3606*Pohjola		5.847	0.11−0.21	3			
3608 Kataev		5.022	0.35−0.38	2			SWF
3609*Liloketai		15.624	0.16−0.17	3			
3610*Decampos		7.8349	0.75	3			
3611*Dabu		31.9351	0.68	2	p		DWF
3613 Kunlun		307.45	0.87	2			DWF
3614 Tumilty		26.8	0.10	2−			
3615 Safronov		>16.	>0.2	2−			SWF
3617 Eicher		10.3050	0.07	2			
3618 Kuprin		9.24	0.56	2+			
3621 Curtis		39.001	0.44	2			SWF
3623 Chaplin		8.361	0.80−0.97	3		B	
3624 Mironov		27.703		2−			SWF
3625 Fracastoro		2.712	0.25	3			
3627 Sayers		19.4198	0.18	2			DWF
3628 Božněmcová		3.335410	0.09	3			
3629*Lebedinskij		9.342	0.33	2+			
3631 Sigyn		41.	0.1	1			
3632*Grachevka		3.9536	0.25−0.37	3			
3633 Mira		19.170	0.62	2			SWF
3634 Iwan		4.72	0.15	2+			
3635 Kreutz		280.	0.20−0.25	2+		T0	
3637 O'Meara		7.710	0.12−0.25	2+			
3638 Davis		8.9	0.40	2			
3639 Weidenschilling		8.515	0.20	2			SWF
3640 Gostin		3.2641	0.27−0.47	3			
3641 Williams Bay		9.03523	0.19	2			DWF
3642 Frieden		14.491	0.13	3			
3644*Kojitaku		4.1457	0.15	3			
3645*Fabini		4.633	0.05−0.08	2			SWF
3647 Dermott		21.779	0.84	3			
3649 Guillermina	S	3.882648		2	p	N	LCI-W
3651 Friedman		2.81	0.12	2			
3653*Klimishin		6.7863	0.21	3			
3655 Eupraksia		75.668	0.23	2			SWF
3656 Hemingway		5.626	0.87	2	p		SWF
3657 Ermolova		2.6064	0.16−0.26	3	p		
3660 Lazarev		6.9974	0.35−0.37	3			
3661 Dolmatovskij		9.901		2−			SWF
3662*Dezhnev		9.074	0.10	2			
3663 Tisserand		5.161		2−			SWF
3665 Fitzgerald		2.4141	0.07−0.12	3			
3666 Holman		35.531		2−			SWF
3668 Ilfpetrov		15.268	0.82	2	p		SWF
3669 Vertinskij		1.36808	0.11	2			DWF
3670 Northcott		6.992	0.39	3			
3671 Dionysus		2.7053	0.13−0.26	3		B	
3672*Stevedberg		2.7784	0.17−0.25	3−			
3673 Levy		2.6879	0.13	3		B	
3674*Erbisbühl		11.28	0.40−0.79	3	p		
3675 Kemstach		14.1	0.12	2			
3676 Hahn		7.685	0.25	2			SWF

Planet	Period	Variation	Note	Survey
3677*Magnusson	9.4664	0.60−0.89	3	
3678*Mongmanwai	4.184	0.53−0.73	3 p	
3679 Condruses	172.	0.25−1.30	2+ T0	
3680 Sasha	5.8146	0.30−0.33	3	
3682*Welther	3.5973	0.21−0.56	3	
3683 Baumann	15.758	0.21	2	SWF
3684 Berry	11.9	0.72	2	
3685*Derdenye	159.866	0.75	3	DWF
3686*Antoku	6.734	0.19−0.37	3−	
3687*Dzus	58.12	0.06−0.15	3−	
3689 Yeates	9.85464	0.34	2	DWF
3690 Larson	6.6571	0.45	3 p	
3691 Bede	226.8	0.5	2 T	
3692 Rickman	7.793	0.38	2	SWF
3693 Barringer	6.626	0.54	3 p	
3694 Sharon	11.478	0.44−0.58	3	
3695*Fiala	>4.	>0.1	1	
3698 Manning	3.0624	0.44	3	
3700 Geowilliams	14.387	0.40−0.50	3 p	
3703*Volkonskaya	3.235	0.22−0.23	3 B	
3704*Gaoshiqi	9.699	0.20−0.26	3	
3706*Sinnott	4.0380	0.44−0.67	3 p	
3708 1974 FV_1	6.553	0.20−0.31	3	
3709 Polypoites	10.039	0.12−0.18	3	
3712 Kraft	9.341	0.27−1.20	3	
3713*Pieters	6.9	0.07−0.10	2	
3714 Kenrussell	5.2518	0.28	3	
3720 Hokkaido	4.79	0.20	2+	
3721 Widorn	84.960	0.19	2	SWF
3722 Urata	5.567	0.04−0.58	3 p	
3723 Voznesenskij	7.964	0.23	2	SWF
3724 Annenskij	3.974	0.28−0.30	3	
3725 Valsecchi	3.57	0.52	2 p	
3726 Johnadams	3.509	0.11	2	SWF
3727 Maxhell	51.469	0.28	2	SWF
3728*IRAS	8.323	0.19−0.21	3	
3729 Yangzhou	29.158	0.41	2	SWF
3730 Hurban	4.649	0.22	3	
3731*Hancock	6.712	0.04−0.05	1	
3733*Yoshitomo	260.438	0.28	2	DWF
3735 Třeboň	8.471	0.55	2 p	SWF
3737 Beckman	3.124	0.07−0.27	3	
3738 Ots	4.17025	0.73−0.74	3 p	
3739 Rem	68.906		2−	SWF
3743*Pauljaniczek	4.558	0.27−0.37	3	
3744 Horn–d′Arturo	6.118	0.08−0.45	3	
3746 Heyuan	S 16.3010		2 p N	LCI-W
3747 Belinskij	14.6	0.08	2	
3748 Tatum	58.21	0.54	2+	
3749 Balam	2.80483	0.08−0.19	3 p M	
3750 Ilizarov	5.58134	0.10	2	DWF
3751 Kiang	8.2421	0.44−0.55	3−	
3752 Camillo	37.846	1.1	3 p T-	
3753 Cruithne	27.30990	0.40−0.95	3−	
3754 Kathleen	11.18	0.13−0.20	3−	
3755*Lecointe	27.920	0.14−0.30	3 p	
3757 Anagolay	9.012	0.14−0.20	2	
3758 Karttunen	S 12.50101		2 p N	LCI-W
3759*Piironen	8.213	0.09−0.56	2−	
3760*Poutanen	2.956	0.13−0.21	3	
3761 Romanskaya	15.32	0.34	2	
3763 Qianxuesen	3.884	0.31	3	
3764*Holmesacourt	3.27618	0.52	3 p	
3766 Junepatterson	11.27	0.12	2	SWF
3767*DiMaggio	6.581	0.40−0.71	3 p	
3769 Arthurmiller	8.297	0.78−0.98	3	
3771 Alexejtolstoj	11.094	0.08	1	SWF
3772 Piaf	5.376	0.44−0.53	3 p	
3773 Smithsonian	6.9804	0.33−1.04	3 p	
3774 Megumi		0.11	N	
3775*Ellenbeth	24.246	0.49	2 p	DWF
3776 Vartiovuori	S 11.3414	0.09−0.12	2 p N	LCI-W
3777 McCauley		0.10	N	
3779 Kieffer	2.848	0.20−0.24	3	
3780 Maury	3.46	0.16	2−	
3782 Celle	3.84	0.11−0.17	3 B	
3783 Morris	6.816	0.15	2	SWF
3784*Chopin	20.9902	0.16	2	DWF
3785 Kitami	3.7992	0.29−0.30	3	
3786 Yamada	4.034	0.40−0.65	3 p	
3787 Aivazovskij	2.95395	0.18−0.24	3 p	
3788*Steyaert	18.467	0.57	2 p	
3789 Zhongguo	3.840	0.24	2	SWF
3790 Raywilson	4.654	0.30	2	SWF
3791 Marci	10.584	0.18	2	SWF
3792*Preston	2.9274	0.08−0.30	3 B?	
3793 Leonteus	5.621	0.05−0.31	3	
3794 Sthenelos	12.877	0.27	3	
3795 Nigel	6.83	0.27	3−	
3796 Lene	6.08476	0.51	2	DWF
3800 Karayusuf	2.2319	0.10−0.19	3 B?	
3801 Thrasymedes	20.270	0.08−1.07	2	
3804 Drunina	3.243		2−	SWF
3805 Goldreich	4.841	0.75	2	SWF
3807 Pagels	3.3	0.13	2	
3808 Tempel	S 7.45073		2 p N	LCI-W
3809 Amici	5.71	0.39	2+ p	
3810*Aoraki	7.70956	0.03−0.06	1	DWF
3811*Karma	13.23	0.33	2+	
3812 Lidaksum	8.014	0.23	3−	
3813 Fortov	12.3	0.53−0.76	3− p	
3815 König	6.239	0.14	2	
3818 Gorlitsa	3.25	0.16	2	SWF
3819*Robinson	3.700	0.10−0.32	3−	
3820 Sauval	3.270	0.24	2	SWF
3821 Sonet	9.559	0.29	2	SWF
3822 Segovia	S 11.03204		2 p N	LCI-W
3823*Yorii	6.669	0.23−0.26	3	
3824 Brendalee	4.520	0.18−0.44	3	
3825 Nürnberg	4.0301	0.71−0.72	3	
3829 Gunma	4.728	0.22−0.29	3	
3830*Trelleborg	17.059	0.76	3−	
3831*Pettengill	4.78	0.42−0.58	3−	
3833 Calingasta	199.	0.70−1.20	3 T	
3836*Lem	>1.00	>0.03		SWF
3838 Epona	2.3812	0.05−0.38	3	
3839 Bogaevskij	129.936	0.44	2	SWF
3841 Dicicco	3.5950	0.18−0.19	3 B	
3842 Harlansmith	2.7938	0.40	3−	
3843*OISCA	19.089	0.28−0.38	2+	
3844 Lujiaxi	13.33	0.34	2+	
3845*Neyachenko	12.140	0.38−0.49	2	SWF
3849 Incidentia	2.778	0.14	2	SWF
3850 Peltier	2.4289	0.09−0.10	3	
3851 Alhambra	53.	0.35	2	
3854 George	3.3398	0.12−0.14	3 B?	
3855 Pasasymphonia	6.5131	0.18	2 A	
3857 Cellino	S 3.656529		2 p N	LCI-W
3860 Plovdiv	6.114	0.34−0.37	2+	
3861 Lorenz	11.91	0.26	3−	
3863 Gilyarovskij	13.0702	0.32	2	DWF
3865 Lindbloom	5.42	0.03	2−	
3866 Langley	9.500	0.53	2	SWF
3867*Shiretoko	28.035	0.22−0.39	2	
3868 Mendoza	2.77090	0.06−0.20	3 B	
3869 Norton	17.0957	0.10	2	DWF
3870 Mayré	3.9915	0.44−0.45	3	
3871 Reiz	S 10.99156		2 p N	LCI-W
3872 Akirafujii	10.635	0.23−0.35	2 A	
3873 Roddy	2.4782	0.05−0.11	3 B	
3874 Stuart	3.14354	0.21	2	DWF
3875 Staehle	78.72	1.69	2+	
3877*Braes	5.8155	0.65	3 p	
3879 Machar	4.131	0.19−0.23	3	
3880 Kaiserman	5.270	0.08−0.23	3 B?	
3881 Doumergua	3.582		2−	SWF
3883*Verbano	50.8	0.24−0.80	2	
3885 Bogorodskij	5.803	0.21−0.32	2	
3887 Gerstner	7.33597	0.51	2	DWF
3888*Hoyt	84.2	0.23−0.70	3 T0	
3890 Bunin	13.39	0.10	3−	
3892*Dezsö	3.62810	0.23−0.47	3	
3893 DeLaeter	9.61	0.13−0.20	2	
3894 Williamcooke	4.16	0.09−0.20	3−	
3895 Earhart	3.5645	0.28−0.48	3	
3896 Pordenone	4.009	0.24−0.38	3 p	
3897 Louhi	25.853	0.36	2	DWF
3899 Wichterle	5.8572	0.60	3	
3900*Kneževič	5.260	0.22−0.62	3	
3901 Nanjingdaxue	21.4	0.28	2+	

Planet	Period	Variation	Note	Survey
3903*Kliment Ohridski	S 28.3496	0.19	2 p H	LCI-W
3904 Honda	>24.	>0.1	1	
3905*Doppler	50.8	0.38−1.22	3 B	
3906*Chao	11.892	0.09−0.13	3	
3907*Kilmartin	3.841	0.10−0.30	3	
3908 Nyx	4.42601	0.25−0.46	3 p	
3909 Gladys	6.83	0.04−0.15	1	
3910 Liszt	4.73	0.60	3 p	
3911 Otomo	10.6	0.05	1+	
3913 Chemin	3.4077	0.17−0.53	3	
3914 Kotogahama	16.716	0.28	2	SWF
3915 Fukushima	9.418	0.50−0.79	3	
3918 Brel	3.0980	0.22−0.28	3 p	
3920 Aubignan	4.4762	0.97−1.00	3	
3921*Klement′ev	6.754	0.06	3−	
3922 Heather	5.045	0.60	2 p	SWF
3923*Radzievskij	40.05	0.61−0.95	3−	
3924 Birch	18.74	0.28−0.67	2	
3925 Tret′yakov	30.962	0.24	2+	
3928 Randa	29.9	0.06−0.12	2	
3932 Edshay	3.444	0.20−0.23	2+	
3933 Portugal	S 8.56077		2 p N	LCI-W
3934 Tove	9.49408	0.26	2	DWF
3935 Toatenmongakkai	106.3	0.58	2	
3936 Elst	6.6322	0.13	3	
3937 Bretagnon	9.96595	0.07	2	DWF
3940 Larion	84.	0.30−0.31	2 T0	
3944 Halliday	5.565	0.32	2	SWF
3945 Gerasimenko	272.332	0.61−0.68	2	SWF
3946 Shor	5.590	0.35−0.43	2	SWF
3947 Swedenborg	38.557	0.29	2	SWF
3948*Bohr	24.884	0.89−0.90	3 p	
3951 Zichichi	3.39423	0.25−0.35	3 B	
3952 Russellmark	5.090	0.90	2 p	SWF
3953 Perth	5.083	0.28−1.09	3	
3956 Caspar	2.77120	0.13−0.24	3	
3958 Komendantov	11.2947	0.20−0.27	3	
3960*Chaliubieju	3.986	0.24−0.30	3	
3962 Valyaev	16.440	0.44	2 p	SWF
3963 Paradzhanov	68.206		2	SWF
3964 Danilevskij	11.2569	0.17	2	DWF
3965 Konopleva	6.8709	0.17−0.23	2+	
3968*Koptelov	9.09329	0.03−0.13	1	DWF
3970*Herran	8.09	0.21−0.36	2+	
3971 Voronikhin	5.552	0.22−0.34	3	
3973 Ogilvie	21.211	0.29	2	SWF
3974 Verveer	8.51	0.22	3	
3975 Verdi	8.158	0.71	2	SWF
3976 Lise	15.6912	0.16−0.23	3	
3977 Maxine	3.081	0.25	2+	
3978 Klepešta	15.3654	0.45	2	DWF
3979 Brorsen	5.482	0.08	2	SWF
3981 Stodola	102.657	0.08	1	SWF
3982 Kastel′	8.488	0.27−0.28	3 B?N	
3983 Sakiko	10.526	0.55−0.69	3	
3984 Chacos	32.352		2	SWF
3985 Raybatson	4.298	0.10	2	
3986 Rozhkovskij	3.548	0.25−0.35	3	
3987 Wujek	8.037	0.37	2+	
3988 Huma	10.4	0.24	2+	
3990 Heimdal	>20.	0.1	N	
3991 Basilevsky	5.440	0.09	2	SWF
3992 Wagner	20.628	0.29	2−	
3995*Sakaino	4.5529	0.71−0.97	3	
3996 Fugaku	7.193	0.57−0.86	3	
3998 Tezuka	3.0789	0.43−0.46	3	
3999 Aristarchus	12.58	0.30	2+	
4000 Hipparchus	3.418	0.11	2	
4002 Shinagawa	175.0	0.95	3− T0	
4003 Schumann	5.7502	0.20−0.23	3−	
4004 List′ev	17.9394	0.20	2	DWF
4005 Dyagilev	6.400	0.23−0.46	3−	
4006 Sandler	3.40	0.16	3	
4007*Euryalos	6.391	0.07−0.11	2	
4008 Corbin	6.203	0.12−0.23	3	
4009 Drobyshevskij	3.875	0.31−0.38	2	SWF
4010 Nikol′skij	3.877	0.40−0.44	2	SWF
4011 Bakharev	4.206	0.06	1	SWF
4012 Geballe	5.88597	0.90	3	
4013 Ogiria	3.490	0.26	2	SWF

Planet	Period	Variation	Note	Survey
4014 Heizman	9.36	0.20	2−	SWF
4015 Wilson–Harrington	3.5736	0.10−0.12	2 p A	
4019 Klavetter	4.671	0.27	3−	
4022 Nonna	2.5877	0.04−0.10	3	
4023 Jarník	4.776	0.27	2	SWF
4024 Ronan	356.	1.10	3− T-	
4025 Ridley	28.24	0.23	3	
4027 Mitton	2.94616	0.49	2 N	
4029 Bridges	3.5746	0.18−0.29	3 B	
4030 Archenhold	3.27341	0.13	2	DWF
4031 Mueller	2.9420	0.14−0.19	3	
4033 Yatsugatake	5.691		2−	SWF
4034*Vishnu	44.4	0.62	2+	
4035 1986 *WD*	13.467	0.17−0.21	3	
4036 Whitehouse	702.453	0.92	2	DWF
4037 Ikeya	S 4.057537		2 p N	LCI-W
4039 Souseki	2.77196	0.23−0.24	3 B?	
4041 Miyamotoyohko	7.694	0.13	2−	
4043 Perolof	5.4933	0.43	2	DWF
4044 Erikhøg	S 7.99649		2 p N	LCI-W
4045 Lowengrub	9.764	0.40	3	
4046 Swain	7.185	0.28−0.32	2	SWF
4049 Noragal′	9.2	0.34−0.35	2+	SWF
4052 Crovisier	12.6154	0.40	2	DWF
4055 Magellan	7.475	0.38−0.76	3	
4056 Timwarner	2.71173	0.10	2	DWF
4057 Demophon	29.82	0.21−0.23	3−	
4058 Cecilgreen	7.34	0.15−0.25	2	
4059 Balder	9.7215	0.20	3	
4060*Deipylos	9.298	0.07−0.18	3− p	
4063 Euforbo	8.846	0.15−0.24	3	
4066 Haapavesi	341.759	0.65	2	DWF
4067 Mikhel′son	2.2461	0.11−0.15	3	
4068 Menestheus	14.40	0.18−0.40	3−	
4070*Rozov	5.8956	0.24−0.52	3	
4071 Rostovdon	282.005	0.35	2	DWF
4072 Yayoi	4.006	0.46	3	
4075*Sviridov	6.66321	0.36	2 p	DWF
4076 Dörffel	3.18	0.24	2	SWF
4077*Asuka	7.919	0.40−0.65	3− p	
4078 Polakis	4.831	0.32−0.40	3	
4080 Galinskij	7.3600	0.91−1.01	3 p	
4082 Swann	4.03632	0.35−0.67	3	
4084 Hollis	S 4.453823		2 p N	LCI-W
4085*Weir	14.602	0.18−0.39	2	
4086 Podalirius	10.43	0.08−0.16	2+	
4087 Pärt	16.47	0.59	2	
4089 Galbraith	4.9123	0.68−0.96	3 p	
4090 Říšehvězd	4.55	0.32−0.41	2	SWF
4091 Lowe	16.59	0.10−0.11	2	
4096 Kushiro	3.79522	0.28	2	DWF
4097 Tsurugisan	S 16.0758		2 p N	LCI-W
4100 Sumiko	6.2108	0.31	3	
4103*Chahine	105.161	0.52	2	DWF
4104 Alu	>6.		N	
4105*Tsia	S 12.58745	>0.12	2 p N	LCI-W
4106*Nada	5.832	0.38−0.71	3	
4107 Rufino	15.31	0.07−0.15	2	
4112*Hrabal	12.806	0.15−0.25	2+	
4113*Rascana	4.416	0.25−0.46	2	SWF
4116 Elachi	38.143	0.70−1.04	3	
4119 Miles	>1.43	>0.05		SWF
4121 Carlin	97.2948	0.77	2	DWF
4122 Ferrari	8.45	0.18	2+	
4125*Lew Allen	4.6283	0.20−0.45	3	
4126 Mashu	10.624		2−	SWF
4130 Ramanujan	5.94164	0.45	2	DWF
4131 Stasik	S 16.5405		2 p N	LCI-W
4132 Bartók	3.297	0.32−0.44	3	
4134 Schütz	5.207	0.58	2	SWF
4135*Svetlanov	10.559	0.10−0.15	2	
4138 Kalchas	29.2	0.10−0.40	3	
4140 Branham	7.2037	0.09	2	DWF
4142 Dersu–Uzala	276.	0.22−0.60	2 T?	
4145 Maximova	19.872	0.90−1.00	3	
4146 Rudolfinum	14.5992	0.05	2	DWF
4147 Lennon	137.	0.25−0.6	1	
4148*McCartney	20.737	0.14−0.27	3	
4149 Harrison	3.7490	0.37−0.42	3	
4150 Starr	4.5179	0.08−0.20	3	

Planet	Period	Variation	Note	Survey
4151 Alanhale	11.918	0.07	1	SWF
4154 Rumsey	3.2569	0.38	3	
4155 Watanabe	4.4972	0.20	3	
4156 Okadanoboru	12.015	0.47	2	SWF
4157 Izu	17.8732	0.16	2	DWF
4158 Santini	144.428	0.37	2	SWF
4159 Freeman	4.4021	0.23−0.40	3	
4160 Sabrina–John	5.735	0.20−0.41	3	
4162*SAF	7.5	0.09−0.16	2−	
4164 Shilov	18.5	0.29	1	
4167 Riemann	4.060	0.17	3	
4169*Celsius	10.887	0.39−0.44	2+ p	
4170*Semmelweis	5.31	0.32−0.50	3−	
4171 Carrasco	33.53	0.17−0.22	2 A	
4172 Rochefort	3.68	0.40	3−	
4173 Thicksten	4.966		2−	SWF
4174 Pikulia	19.59	0.12	2	SWF
4175 Billbaum	2.73	0.08−0.15	3−	
4176 Sudek	8.164	0.32	2	SWF
4179 Toutatis	176.	0.50−1.46	3 T	
4181*Kivi	178.2	0.77−0.78	2+ T0	
4182 Mount Locke	3.0179	0.15−0.17	3	
4183 Cuno	3.5595	0.07−0.84	3	
4184 Berdyayev	17.1331	0.95	2	DWF
4185 Phystech	4.66904	0.41−0.53	3	
4186 Tamashima	20.8678	0.37	2	DWF
4188 Kitezh	2.58	0.19−0.27	3−	
4189 Sayany	2.76132	0.18	2	DWF
4190 Kvasnica	13.42	0.09	2−	
4191*Assesse	5.6472	0.26−0.70	3	
4192 Breysacher	7.394	0.48	2	SWF
4194 Sweitzer	37.3396	0.17	2	DWF
4195 Esambaev	4.634		2	SWF
4196 Shuya	>20.	>0.07	1	
4197 Morpheus	3.5380	0.28−0.49	3	
4199 Andreev	11.8161	0.12	2	DWF
4201 Orosz	17.3849	0.70−0.88	3	
4202*Minitti	5.005	0.42−0.50	3− p	
4204 Barsig	2.2663	0.13	3	
4205 David Hughes	>24.	0.25	2−	
4207 Chernova	10.288	0.08−0.10	2	
4209 Briggs	12.22	0.44−0.47	3− p	
4212*Sansyu–Asuke	15.94	0.09−0.39	2	
4214 Veralynn	7.60	0.35	2−	
4215*Kamo	12.6	0.06−0.21	2	
4217 Engelhardt	3.0661	0.14−0.18	3	
4219 Nakamura	115.492	0.20	2	SWF
4221 Picasso	3.1114	0.27−0.31	3	
4222 Nancita	3.8732	0.97	3 p	
4223*Shikoku	9.137	0.12−0.19	3	
4224*Susa	6.20038	0.21−0.28	3	
4226 Damiaan	24.	0.05	1	
4228 Nemiro	2.772	0.06	2	
4230 van den Bergh	87.918	1.09	2	SWF
4231 Fireman	28.0	0.10	2	
4232 Aparicio	54.4	0.60−0.83	3− T0	
4233 Pal′chikov	7.086	0.63	2 N	
4234 Evtushenko	3.45	0.17	2	SWF
4236 Lidov	422.93	0.64	2	DWF
4242 Brecher	7.68	0.83	2+	SWF
4243 Nankivell	7.16538	0.22	2	DWF
4246 Telemann	8.960	0.11	2	
4251 Kavasch	3.166	0.31−0.54	2	SWF
4252 Godwin	11.623	0.41−0.42	3− p	
4254 Kamél	2.739	0.17−0.19	3	
4255 Spacewatch	>20.	>0.12	2	
4257*Ubasti	4.4	0.34	1 N	
4262 DeVorkin	6.1619	0.40−0.47	3− p	
4263 Abashiri	4.8820	0.11−0.42	3	
4264 Karljosephine	30.96	0.09−0.45	2	
4265 Kani	5.7279	0.62−0.75	3 p	
4266 Waltari	11.200	0.45	3	
4269 Bogado	12.648		2	SWF
4271 Novosibirsk	8.850	0.52	3 p	
4272 Entsuji	2.8087	0.06	3 BN	
4274*Karamanov	4.196	0.36−0.43	3	
4276 Clifford	3.23935	0.09	2	DWF
4277 Holubov	200.899	0.25	2	DWF
4278 Harvey	9.647		2	SWF
4280 Simonenko	507.583	0.11	2	DWF
4282 Endate	>34.	>0.5	2 HN	DWF
4283 Stöffler	136.	0.1 −0.65	2− T0	
4284 Kaho	4.0584	0.48−0.63	3 p	
4285 Hulkower	6.1501	0.53−0.68	3	
4286 Rubtsov	3.258	0.12	3−	
4287 Třísov	5.494	0.70	3	
4288*Tokyotech	3.180	0.11−0.19	2+ B	
4289 Biwako	4.4185	0.11	3	
4290 Heisei	10.63	0.30	3−	
4293 Masumi	36.	0.35	2−	
4294 Horatius	12.499	0.10	2	
4296 van Woerkom	2.80868	0.20	3 B	
4297 Eichhorn	4.105	0.16	2+	
4298 Jorgenúnez	30.474	0.60	2	SWF
4299 WIYN	>26.	0.06	2	
4300 Marg Edmondson	9.328	0.12	2	
4301 Boyden	5.642	0.24	2	
4302 Markeev	5.134	0.31	3	
4307 Cherepashchuk	2.724	0.24	2	SWF
4308 Magarach	33.8	0.07	1	
4317*Garibaldi	8.917	0.10−0.20	3 p	
4318 Baťa	10.571	0.62	2	SWF
4323 Hortulus	4.7354	0.23−0.43	3−	
4324 Bickel	26.592	0.63−0.72	3	
4325 Guest	S 5.30406		2 p N	LCI-W
4327 Ries	126.562	0.85	2	SWF
4328 Valina	3.9474	0.15	2	DWF
4332 Milton	3.295	0.16−0.30	3−	
4334 Foo	7.42	0.17	2−	SWF
4335 Verona	3.5943	0.30−0.40	3	
4336 Jasniewicz	9.99	0.20	2− A	
4338 Velez	3.166	0.14−0.15	2	SWF
4339 Almamater	30.84	0.17	2	
4340 Dence	7.546	0.07−0.58	3−	
4341 Poseidon	6.262	0.07−0.08	2	
4343 Tetsuya	7.392	0.20	3−	
4344 Buxtehude	18.087	0.68	2	SWF
4345 Rachmaninoff	S 4.484230		2 p N	LCI-W
4347 Reger	15.960	0.41	2	SWF
4348 Poulydamas	9.908	0.19−0.34	3	
4349 Tibúrcio	16.284	0.40	3	
4350*Shibecha	2.890	0.06−0.16	2+	
4351 Nobuhisa	2.919	0.27	2	SWF
4352 Kyoto	21.9352	0.74	3− p	
4353 Onizaki	4.429	0.36	2	SWF
4355 Memphis	7.150	0.61	2	
4357 Korinthos	6.619	0.12	2+	
4358 Lynn	3.8377	0.60	3	
4359 Berlage	7.413	0.90	3 p	
4360 Xuyi	5.939	0.19	2	SWF
4361 Nezhdanova	21.279		2−	SWF
4362 Carlisle		0.10	N	
4363*Sergej	13.04	0.24−0.50	3−	
4364 Shkodrov	17.3233	0.35−0.42	3−	
4365 Ivanova	9.84	0.65−0.89	2+	SWF
4366*Venikagan	S 60.48	>0.06	2 p N	LCI-W
4368*Pillmore	3.6054	0.24−0.29	3	
4369*Seifert	30.573	0.22−0.31	3 p	
4372 Quincy	2.763	0.15	2	SWF
4374 Tadamori	4.50474	0.77−0.94	3 p	
4375 Kiyomori	6.4709	0.15−0.16	3	
4377 Koremori	11.107	0.32	3− 3	
4378 Voigt	10.796	0.50	2	
4379 Snelling	7.23604	0.15	2	DWF
4380 Geyer	7.7284	0.56	2	DWF
4383 Suruga	3.4069	0.14	3 B	
4384 Henrybuhl	7.92	0.38	2+	
4385 Elsässer	5.57	0.52−0.60	3−	SWF
4388 Jürgenstock	2.80956	0.10−0.11	3	
4391 Balodis	3.448	0.29	2	
4398 Chiara	4.34928	0.12	2	DWF
4399*Ashizuri	2.829	0.29−0.32	3 p	
4401 Aditi	6.670	0.29−0.64	3	
4404*Enirac	2.9983	0.20−0.28	3	
4405 Otava	2.879	0.18	2	SWF
4410 Kamuimintara	4.9349	0.13	2−	
4411 Kochibunkyo	2.6958	0.20	3	
4417 Lecar	3.1758	0.20−0.38	3	
4418 Fredfranklin	4.8190	0.24−0.30	2+	
4419 Allancook	5.2750	0.41−0.66	3−	

Planet	Period	Variation	Note	Survey
4421 Kayor	92.1585	0.37	2	DWF
4422*Jarre	7.002	0.08−0.12	3−	
4423 Golden	10.51	0.17	2	
4424 Arkhipova	14.673	0.45	2 p	SWF
4425 Bilk	5.251	0.42	3−	
4431 Holeungholee	9.81	0.39−0.52	2+	
4432 McGraw–Hill		0.06		
4433 Goldstone	10.115	0.20	2	
4435 Holt	2.8670	0.15−0.30	3 B	
4436 Ortizmoreno	8.24	0.09−0.40	2 A	
4437 Yaroshenko	30.	0.3	1+	
4438 Sykes		0.10	N	
4439 Muroto	S 8.31429		2 p N	LCI-W
4440 Tchantchès	2.7883	0.21−0.34	3 B?	
4441 Toshie	8.178	0.65	2	SWF
4442 Garcia	6.40044	0.27	2	DWF
4444 Escher	47.307		2−	SWF
4445 Jimstratton	3.74	0.13	2	SWF
4446 Carolyn	40.92	0.22	3	
4448 Phildavis	14.914	0.73	3 p	
4450 Pan	56.48	0.64	3 T	
4451 Grieve	6.864	0.56−0.80	3 p	
4452 Ullacharles	9.3085	0.38−0.43	3	
4453 Bornholm	4.72478	0.57	2	DWF
4455 Ruriko	4.23	0.41	2	
4456 Mawson		0.20	N	
4457 van Gogh	7.6056	0.12	2−	
4458 Oizumi	S 11.40650		2 p N	LCI-W
4459 Nusamaibashi	287.484	0.66	2	SWF
4461*Sayama	40.73	0.56−0.97	3− p	
4463 Marschwarzschild	23.407		2	SWF
4464 Vulcano	3.2038	0.08−0.22	3	
4467*Kaidanovskij	S 19.1454	>0.03	2 p N	
4469 Utting	4.40	0.22	2	SWF
4471 Graculus	11.85	0.49	2	SWF
4472 Navashin	>20.	>0.1	1+	
4475 Voitkevich	3.89	0.12−0.14	2	SWF
4477 Kelley	4.3773	0.21	3	
4479 Charlieparker	2.890	0.22	2	SWF
4482 Frèrebasile		0.10	N	
4483 Petöfi	4.33309	0.85−1.05	3 p	
4486 Mithra	67.5	1.	2 p RT0	
4488 Tokitada	24.25	0.58	2	
4489 1988 *AK*	12.582	0.20−0.26	3	
4490*Bambery	5.815	0.90−1.16	3 p	
4492 Debussy	26.606	0.44−1.28	3 B	
4493 Naitomitsu	5.04	0.07	1+	
4495*Dassanowsky	502.	0.06−0.33	2 AB	
4497*Taguchi	3.563	0.07−0.21	3	
4498 Shinkoyama	5.2068	0.44−0.75	3	
4499 Davidallen	87.1539	0.30	2	DWF
4501*Eurypylos	6.941	0.23−0.25	3	
4502 Elizabethann	4.7630	0.30−0.56	3	
4503 Cleobulus	3.13	0.22	2	
4504 Jenkinson	30.7578	0.09	2	DWF
4505 Okamura	6.6687	0.50	3 p	
4506 Hendrie	5.511	0.67−0.76	2	SWF
4507 Petercollins	6.58	0.22−0.40	3 p	
4509 Gorbatskij	6.006	0.81	3	
4511 Rembrandt	3.8369	0.49	3−	
4512 Sinuhe	18.00	0.23−0.80	2	
4513 Louvre	2.937	0.24	2	SWF
4514 Vilen	2.89224	0.09	3 BN	
4515 Khrennikov	S 6.08011		2 p N	LCI-W
4517 Ralpharvey	3.600	0.21−0.39	3	
4518 Raikin			2 p N	
4519 Voronezh	7.442	0.56	2	SWF
4520 Dovzhenko	4.7340	0.83−1.00	3	
4522*Britastra	11.919	0.13−0.40	2	
4524 Barklajdetolli	1069.	1.05−1.26	2 T0	
4526 Konko	112.53	0.36	2	DWF
4527*Schoenberg	2.6909	0.10−0.31	3−	
4528 Berg	3.5163	0.16−0.26	2	
4529*Webern	S 3.46903	0.39−0.49	2 p	LCI-D
4530 Smoluchowski	S 10.13741		2 p N	LCI-W
4531 Asaro	4.144	0.18−0.31	3−	
4533 Orth	>24.	0.1 −0.68	2	
4534 Rimskij–Korsakov	11.646	0.62	2	SWF
4535 Adamcarolla	10.211	0.35−0.83	2	
4536*Drewpinsky	8.1490	0.20	3−	

Planet	Period	Variation	Note	Survey
4540*Oriani	42.11	0.7	2	
4541 Mizuno	2.82784	0.08	3 BN	
4542 Mossotti	2.934	0.10−0.24	3	
4543 Phoinix	38.866	>0.34	2+	
4544 Xanthus	37.65	0.27	2 T0	
4546 Franck	24.057		2−	SWF
4547 Massachusetts	7.703	0.27−0.29	3	
4551 Cochran	67.062	0.51	2	DWF
4553 Doncampbell	13.021	0.29	2	SWF
4554 Fanynka	4.779	0.35−0.40	3 p	
4555*Josefapérez	2.8847	0.14−0.26	3 B?	
4557 Mika	17.2401	0.37	2	DWF
4558 Janesick	100.	>0.11	1	
4559*Strauss	10.0792	0.40	2 p	DWF
4562 Poleungkuk	9.477	0.73−0.77	2 p	
4563 Kahnia	12.416	0.45−0.47	3	
4565 Grossman	4.7429	0.60	3−	
4568 Menkaure	4.50231	0.13	2	DWF
4569*Baerbel	2.790	0.14−0.24	2	
4570 Runcorn	>20.	>0.12	2− p	
4571 Grumiaux	6.402	0.14	2	SWF
4572 Brage	2.99105	0.31	3−	
4574 Yoshinaka	S 7.02736		2 p N	LCI-W
4575 Broman	10.774	0.65	3 p	
4576*Yanotoyohiko	9.40	0.26−0.27	3	
4577 Chikako	5.83	0.55−0.57	3	
4580 Child	4.1814	0.30−0.50	3	
4581 Asclepius	8.008	0.27−0.37	3	
4585 Ainonai	38.31	0.30	3−	
4587 Rees	7.879	0.55−0.78	3	
4589 McDowell	3.402	0.16	2	SWF
4590 Dimashchegolev	25.4	0.23−0.36	2+	
4594 Dashkova	65.423	0.70	2	SWF
4596 1981 *QB*	2.49101	0.13	2	DWF
4598 Coradini	4.77061	0.27	2	DWF
4600 Meadows	11.682	0.16	2	
4601 Ludkewycz	3.0250	0.33−0.36	3	
4603*Bertaud	265.343	0.66	3−	DWF
4605 Nikitin	2.82726	0.08	3 B?	
4606 Saheki	4.969	0.56−0.68	3 p	
4607 Seilandfarm	3.9683	0.15−0.17	3 B	
4608 Wodehouse	13.944	0.08−0.10	3	
4611 Vulkaneifel	3.756	0.60−0.71	3 p	
4613 Mamoru	5.388	0.41	3 p	
4614*Masamura	199.774	0.48	2	DWF
4626 Plisetskaya	18.11	0.20	3−	
4627 Pinomogavero	44.588		2−	SWF
4628 Laplace	9.016	0.32−0.48	3	
4630 Chaonis	5.398	0.11	2	SWF
4631 Yabu	7.356	0.44−0.46	3	
4632 Udagawa	3.570		2	SWF
4635 Rimbaud	117.91	1.08	2+ T-	
4637 Odorico	7.560	0.64−0.72	3	
4638 Estens	3.029	0.16	2−	
4639 Minox	12.993	0.40	2	SWF
4640 Hara	3.534	0.15	3−	
4641 Ayako	5.3126	0.61−0.88	3 p	
4643 Cisneros	5.25	0.32−0.33	2	SWF
4644 Oumu	84.24	0.59	2	
4646 Kwee	66.482		2−	SWF
4647 Syuji	>2.92	>0.08		SWF
4649 Sumoto	26.31	0.15−0.30	2	
4650*Mori	3.895	0.07−0.13	3	
4652 Iannini	11.69	0.09	2−	
4653 Tommaso	7.417	0.35	3	
4654*Gor′kavyj	20.9267	0.23	2	DWF
4655 Marjoriika	9.624	0.58	3	
4659 Roddenberry	12.	0.14	1	
4660 Nereus	15.1	0.6 −0.8	2 p T0	
4663*Falta	9.545	0.15−0.36	2	SWF
4664 Hanner	3.011	0.30−0.31	2	SWF
4665 Muinonen	15.4437	0.24	2	DWF
4666 Dietz	2.95242	0.21−0.28	3 B	
4668 Rayjay	6.506	0.63	3	
4669 Høder	2.832		2−	SWF
4670*Yoshinogawa	15.9935	0.21	2−	DWF
4672 Takuboku	4.37653	0.26	2	DWF
4673*Bortle	2.63989	0.09−0.16	3	
4674 Pauling	2.5306	0.05−0.14	3 p B	
4675 Ohboke	7.02644	0.15	2	DWF

Planet	Period	Variation	Note	Survey
4678*Ninian	56.72	1.04	3− p T?	
4683 Veratar	29.391	0.40	2	SWF
4684 Bendjoya	12.169	0.35	3−	
4686 Maisica	9.779	0.09−0.11	3	
4689 Donn	122.5	0.64	2+ T0	
4690*Strasbourg	69.2	0.42−0.80	2 T	
4691 Toyen	3.5025	0.23	3−	
4692 SIMBAD	2.736	0.14−0.15	2+ A	
4693 Drummond	33.0676	0.53	2	DWF
4695 Mediolanum	5.526	0.15	2+	
4700 Carusi	11.66	0.11−0.43	2	
4703 Kagoshima	4.092	0.03−0.08	2	
4706 Dennisreuter	2.578	0.07	1	SWF
4707 Khryses	6.862	0.35−0.47	3	
4708 Polydoros	7.517	0.09−0.17	2+	
4709*Ennomos	12.275	0.31−0.47	3	
4710 Wade	4.9174	0.37	3	
4711*Kathy	4.164	0.31−0.52	3	
4712 Iwaizumi	6.2486	0.22	3	
4713 Steel	5.199	0.28−0.44	3	
4714 Toyohiro	14.706	0.07	2	SWF
4715*1989 TS_1	8.8129	0.39−0.54	3	
4716 Urey	5.9260	0.59−0.68	3	
4717 Kaneko	12.7082	0.44−0.61	2+	
4718 Araki	46.35	0.16	2 B?T?	
4719 Burnaby	13.01	0.05−0.07	2	
4722 Agelaos	18.438	0.15−0.23	3	
4724 Brocken	5.912	0.75	3	
4727 Ravel	4.44	0.32	3	
4729 Mikhailmil′	17.74	0.36	2−	
4730 Xingmingzhou	3.396	0.15−0.23	3	
4732*Froeschlé	6.00083	0.17	2 p	DWF
4733 ORO	5.880	0.46−0.47	2	SWF
4734 Rameau	4.354	0.58	2	SWF
4736 Johnwood	6.210	0.83−0.93	3 p	
4738 Jimihendrix	5.17729	0.13	2	DWF
4739 Tomahrens	5.104	0.20−0.26	2	SWF
4741 Leskov	>30.	0.1	2−	SWF
4742 Caliumi	5.479	0.80−1.09	3	
4744 Rovereto	4.0094	0.30−0.44	3	
4745 Nancymarie	13.8011	0.33	2	DWF
4746 Doi	20.903	0.24−0.25	2	SWF
4748*Tokiwagozen	39.78	0.42	2+ T+	
4749 Ledzeppelin	8.1938	0.21	3−	
4750 Mukai	38.3	0.40	2 T?	
4751 Alicemanning	15.894	0.49−0.56	2 p	SWF
4752 Myron	26.032		2	SWF
4754 Panthoos	27.68	0.09	2+	
4755 Nicky	5.057	0.40	3	
4756 Asaramas	16.536	0.16	2	SWF
4757 Liselotte	6.619	0.23−0.26	2	SWF
4758 Hermitage	10.1505	0.23	3−	
4760*Jia–xiang	14.9601	0.45−0.63	3	
4762 Dobrynya	11.0141	0.09	2	DWF
4764 Joneberhart	5.483	0.91−1.17	3 p	
4765 Wasserburg	3.6231	0.07−0.60	3 p B	
4766 Malin	32.2204	0.03	2	DWF
4767 Sutoku S	92.447	>0.08	2 p N	LCI-W
4768 Hartley	22.08	0.11	2	
4769 Castalia	4.095	1.0	3 p	
4770 Lane	34.75	0.23	2	
4771 Hayashi	9.801	0.38	3−	
4772 Frankdrake	16.0409	0.49	2	DWF
4773*Hayakawa	3.2401	0.09−0.23	3	
4774*Hobetsu	3.577	0.10−0.23	3	
4775*Hansen	3.1185	0.12−0.22	3	
4778 Fuss	7.225		2−	SWF
4779 Whitley S	7.31059		2 p N	LCI-W
4780 Polina	3.4883	0.15	2	DWF
4783 Wasson	58.1567	0.24	2	DWF
4786 Tatianina	2.9227	0.19−0.25	3 B	
4787 Shul′zhenko	2.892	0.04	1	SWF
4789 Sprattia	3.136	0.17	2	SWF
4790*Petrpravec	241.191	0.29	2	DWF
4791 Iphidamas	9.696	0.12−0.49	3	
4792 Lykaon	40.09	0.43	2+	
4795 Kihara	16.03	0.25	2	
4796 Lewis	3.5086	0.28−0.50	3 p	
4797 Ako	4.085	0.90	3	
4800 Veveri S	6.21570		2 p N	

Planet	Period	Variation	Note	Survey
4801 Ohře	32.000	0.50−0.60	3 p	
4803 Birkle	14.576	0.31	2	SWF
4804 Pasteur	13.69	0.28	3	
4805 Asteropaios	12.372	0.26	3	
4806 Miho	64.083	0.86	3	
4807 Noboru	4.0415	0.17−0.23	3	
4808 Ballaero	8.8976	0.30−0.36	3	
4810 Ruslanova S	69.763		2 p N	LCI-W
4813 Terebizh S	10.20365		2 p N	LCI-W
4816 Connelly	3.8978	0.36	3	
4817 Gliba	>12.	>0.3	1	
4820 Fay	3.73	0.52	3	
4821 Bianucci	29.630		2	SWF
4824 Stradonice	3.890	0.11	2	SWF
4825 Ventura	5.263	0.70−0.71	3	
4826 Wilhelms	54.	1.18	2	
4827 Dares	18.995	0.23−0.24	3	
4828*Misenus	12.873	0.27−0.33	3	
4830 Thomascooley	32.6173	0.92	2	DWF
4831 Baldwin	5.00	0.31	3−	SWF
4832 Palinurus	5.319	0.09	2−	
4833 Meges	14.250	0.13−0.44	3	
4834 Thoas	18.192	0.14−0.39	3	
4836*Medon	9.818	0.12−0.31	3	
4838 Billmclaughlin	5.199	0.07	2	
4840 Otaynang	337.107	0.36	2	DWF
4841 Manjiro	2.66	0.09	2	SWF
4842*Atsushi	4.687	0.47	3	
4844 Matsuyama	2.7232	0.35	3	
4845 Tsubetsu	3.03753	0.14	2	DWF
4848 Tutenchamun	27.1398	0.55	2	DWF
4851 Vodop′yanova	4.9	0.17	2	
4852 Pamjones	9.715	0.20	2	SWF
4853 Marielukac	7.946	0.25−0.29	3−	
4856*Seaborg	15.853	0.39−0.41	3	
4857 Altgamia	9.032	0.30−0.37	3	
4858 Vorobjov	11.780	0.20	2	SWF
4859 Fraknoi	7.846	0.15	3	
4860 Gubbio	19.36	0.32−0.85	3	
4861 Nemirovskij	6.983	0.25−0.26	2	SWF
4863 Yasutani	8.616	0.42	3	SWF
4867*Polites	11.235	0.05−0.26	3	
4868*Knushevia	3.1422	0.07−0.12	2 A	
4869 Piotrovsky		0.83		SWF
4870 Shcherban′	3.476	0.20	3−	
4871 Riverside	6.051	0.22	3	
4874 Burke	3.657	0.22−0.23	3−	
4875 Ingalls	3.78	0.13	2+	
4877 Humboldt S	3.491213		2 p N	LCI-W
4878 Gilhutton	6.281	0.08	1	SWF
4879*Zykina	13.7266	0.64	2 p	DWF
4880 Tovstonogov	5.400	0.23	3−	
4890 Shikanosima	16.476	0.22	2	SWF
4892*Chrispollas	1584.	0.35−0.71	2	
4894*Ask	3.636	0.17−0.23	2+	
4895 Embla	14.90	0.19−0.20	3−	
4896 Tomoegozen	8.869	0.61−0.65	3 p	
4898 Nishiizumi	3.2920	0.23−0.39	3	
4899 Candace	40.7	0.15	2	
4902 Thessandrus	738.	0.60	2 T	
4903 Ichikawa	20.403		2−	SWF
4904 Makio	7.830	0.08	2	
4905 Hiromi	6.0428	0.38−0.55	3 p	
4908 Ward	10.96	0.93	2	
4909 Couteau	5.054	1.04−1.10	3	
4910*Kawasato	4.659	0.10−0.40	3 p	
4911 Rosenzweig	9.75	0.08−0.16	3	
4912 Emilhaury	3.6034	0.58−0.59	3	
4914 Pardina	4.142	0.23−0.28	3	
4916*Brumberg	6.683	0.04−0.19	2+	
4917*Yurilvovia S	4.17744		2 p N	LCI-D
4918 Rostropovich S	20.1407		2 p N	LCI-W
4919 Vishnevskaya	3.634	0.09	2	
4922 Leshin	37.445	0.18	2	DWF
4923 Clarke	3.143	0.03−0.14	2	
4924 Hiltner	4.9	0.15	1	
4925 Zhoushan	7.8656	0.43	3	
4927 O′Connell	9.78	0.10	1+	SWF
4928 Vermeer	3.687	0.68−0.78	3	
4930 Rephiltim	5.243	0.30−0.32	3 p	

Planet	Period	Variation	Note	Survey
4931 Tomsk	7.02	0.46	2	
4933 Tylerlinder	3.46	0.23	2	SWF
4934 Rhôneranger	103.942	0.12	2	DWF
4935 Maslachkova	2.90192	0.23	3	
4936 Butakov	13.828	0.08−0.14	2	
4937 Lintott	3.123	0.22−0.26	3	
4939 Scovil	5.23861	0.28	2	DWF
4941 Yahagi	4.690		2−	SWF
4943*Lac d'Orient	11.81	0.42−0.56	2	
4944*Kozlovskij	3.5719	0.46−0.60	3 p	
4945 Ikenozenni	22.501	0.15−0.25	3−	
4946 Askalaphus	22.731	0.40	3	
4947*Ninkasi	21.1	2.23	2 T	
4949 Akasofu	2.6798	0.1 −0.15	3	
4950 House		0.18	N	
4951 Iwamoto	118.0	0.34−0.38	3 T0B	
4952 Kibeshigemaro	9.166	0.47	3	
4953 1990 *MU*	14.218	0.68	3	
4954*Eric	12.056	0.63−0.80	3 p	
4955 Gold	3.40624	0.08	2	DWF
4956 Noymer	4.366	0.17	2	SWF
4957 Brucemurray	2.892	0.10−0.38	3 p	
4958 Wellnitz		0.14	N	
4959 Niinoama	4.73	0.24	3	
4961*Timherder	4.121	0.45	3 p	
4962 Vecherka	336.	>1.08	2	
4963 Kanroku	2.616	0.12−0.13	3 p	
4965 Takeda	12.550	0.35	2	SWF
4967 Glia	6.933	0.32	2	SWF
4970 Druyan		0.30	N	
4971 Hoshinohiroba	10.1461	0.47	3	
4974 Elford	6.5635	0.41−0.58	3 p	
4975*Dohmoto	6.9618	0.51−0.89	3	
4976 Choukyongchol	4.416	0.78−0.88	3 p	
4977 Rauthgundis		0.8		
4979 Otawara	2.707	0.22−0.28	3 p	
4986 Osipovia	3.984	0.41	2	SWF
4990 Trombka	4.927	0.61	2	SWF
4993 Cossard	48.260		2−	SWF
4994 Kisala	39.240	0.75	2	SWF
4995 Griffin	26.37	0.82	3− p	
4996 Veisberg	10.069	0.59	2	SWF
4997 Ksana	3.4342	0.21	2	
4998 Kabashima	6.138	0.77	2	SWF
5001 EMP	26.3919	0.12	2	DWF
5003 Silvanominuto	4.760	0.13	2	SWF
5004 Bruch	3.4566	0.71	3	
5006 Teller	10.898	0.69	3 p	
5008*Miyazawakenji	S 49.239	0.18	2 p	LCI-D
5009 Sethos	2.691	0.08	2	SWF
5010 Amenemhêt	3.390	0.18	3−	
5011*Ptah	56.3	2.0	2	
5012 Eurymedon	46.	0.30	1+	
5013 Suzhousanzhong	8.356	0.24	2	SWF
5016 Migirenko	4.8	0.3	1	
5017 Tenchi	6.298	0.61	2	SWF
5023 Agapenor	5.4020	0.12	2+	
5025 1986 TS_6	250.	0.2	1	
5026 Martes	4.4243	0.50−0.69	3 p	
5027 Androgeos	11.376	0.31−0.65	3	
5028 Halaesus	24.937	0.19−0.29	3	
5030 Gyldenkerne	88.1957	0.20	2	DWF
5033 Mistral	5.150		2−	SWF
5034 Joeharrington	8.417	0.36	3	
5035*Swift	9.4752	0.23−0.32	3	
5036 Tuttle	3.775	0.28−0.42	3	
5038 Overbeek	4.038	0.39	2	SWF
5039 Rosenkavalier	8.715	0.22	2	SWF
5040 Rabinowitz	4.6901	0.31−0.35	3	
5041*Theotes	6.52	0.31−0.35	3−	
5042 Colpa		0.10	N	
5043 Zadornov	25.60	0.18	1 DA	SWF
5044 Shestaka	7.2573	0.17−0.18	3−	
5046 Carletonmoore	6.050	0.21	2	
5047 Zanda	S 3.810598		2 p N	LCI-W
5048 Moriarty	232.891	0.69	2	SWF
5049 Sherlock	5.4915	0.75−0.89	3	
5052 Nancyruth	17.204	0.89	3 p	
5053 Chladni	8.2618	0.25	3−	
5057 Weeks	12.2274	0.11	2	DWF
5058 Tarrega	4.9826	0.57	2 N	
5059 Saroma	4.074	0.61−0.66	3 p	
5060 Yoneta	11.71	0.42	2	SWF
5061 McIntosh	3.5113	0.39	2	
5062 Glennmiller	9.243		2	SWF
5063 Monteverdi	3.48	0.61	2	SWF
5064*Tanchozuru	374.707	0.70−0.73	3	DWF
5069 Tokeidai	3.6632	0.41	3	
5070 Arai	53.	>0.30	2	
5075 Goryachev	373.	1.0	2 AT0	
5076*Lebedev–Kumach	3.215	0.10−0.14	2	
5077 Favaloro	4.589		2	SWF
5079 Brubeck		0.10	N	
5080 Oja	7.2220	0.31−0.39	3	
5081*Sanguin	10.260	0.40−0.53	3	
5084*Gnedin	35.785	0.17−0.23	2	SWF
5086 Demin	S 13.16422		2 p N	LCI-W
5087 Emel'yanov	14.5	0.30	2−	
5088 Tancredi	5.0591	0.31	3−	
5089 Nádherná	13.031	0.34	2	SWF
5090*Wyeth	3.1203	0.21	3	
5091 Isakovskij	13.62	0.53	1 DA	SWF
5092*Manara	6.42493	0.33	2	DWF
5093 Svirelia	2.80879	0.24	2	DWF
5095 Escalante	8.542	0.10−0.54	2	
5096 Luzin	3.054	0.31	3−	
5098 Tomsolomon	4.59	0.23−0.24	2	SWF
5100 Pasachoff	10.3246	0.37	2	DWF
5101 Akhmerov	4.270	0.33	2	SWF
5104 Skripnichenko	2.82708	0.21−0.30	3	
5105 Westerhout	13.0881	0.54	3	
5107*Laurenbacall	4.946	0.16−0.17	2	SWF
5108 Lübeck	8.769	0.43	3	
5110 Belgirate	8.26	0.11−0.12	2	
5111 Jacliff	2.839	0.18	3 p	
5112 Kusaji	2.7995	0.12−0.20	3 B	
5114 Yezo	4.30	0.28	2	SWF
5115 Frimout	4.67308	0.37	2	DWF
5116 Korsør	4.503	0.36	3	
5118 Elnapoul	36.137	0.37	3	
5119*1988 RA_1	12.807	0.27−0.31	2+	
5120*Bitias	15.21	0.19−0.38	3	
5122 Mucha	2.729	0.23	3	
5123 1989 *BL*	9.883	0.40−0.45	3	
5126 Achaemenides	53.02	0.36	3−	
5128 Wakabayashi	5.86	0.13	2−	
5129 Groom	3.6395	0.17−0.26	3	
5130 Ilioneus	14.768	0.13−0.37	3 p	
5131 1990 *BG*	37.2	0.34	2−	
5132*Maynard	3.902	0.51−0.58	3	
5133 Phillipadams	6.6645	0.40−0.46	3	
5134 Ebilson	18.6632	0.07	2	DWF
5138 Gyoda	S 8.4159		2 p N	LCI-W
5139 Rumoi	3.257	0.4	3	
5140 Kida	259.459	0.22	2	DWF
5142 Okutama	3.803	0.27	3	
5143 Heracles	2.7063	0.05−0.22	3 B	
5144 Achates	5.958	0.18−0.35	3	
5145 Pholus	9.980	0.15−0.60	3 p	
5148 Giordano	7.824	0.60	2	SWF
5150 Fellini	5.1953	0.45−0.61	3 p	
5152*Labs	3.8801	0.31−0.38	3	
5153 Gierasch	9.00	0.07	2	
5155 Denisyuk	S 31.5617		2 p N	LCI-W
5156 Golant	4.942	0.21	2	SWF
5158 Ogarev	32.989		2	SWF
5163 Vollmayr–Lee	4.728	0.15	2	
5165 Videnom	3.1535	0.19−0.24	3	
5168 Jenner	3.258	0.24−0.35	3	
5169 Duffell	8.711	0.25	2	SWF
5171 Augustesen	480.	0.8	3 T?	
5175 Ables	2.6862	0.05−0.33	3	
5176 Yoichi		0.42	N	
5177 Hugowolf	3.650	0.40	2	SWF
5181 SURF	6.1097	0.52−0.54	3	
5182 Bray	2.86	0.27−0.31	3−	
5183*Robyn	4.3914	0.26	3−	
5184 Cavaillé–Coll	15.642	0.32	2	SWF
5186 Donalu	3.15	0.25	3−	
5187 Domon	7.524	0.30−0.38	2	SWF

Planet	Period	Variation	Note	Survey
5189*1990 *UQ*	6.640	0.64−1.02	3−	
5191 Paddack	5.865	0.08	1	SWF
5192 Yabuki	10.6693	0.34−0.36	3−	
5193 Tanakawataru	5.336	0.30−0.31	2	SWF
5195 Kaendler	S 5.33756		2 p N	LCI-W
5196 Bustelli	S 7.76965		2 p N	LCI-W
5197 Rottmann	6.11115	0.29	2	DWF
5199 Dortmund		<0.1		
5202 Charleseliot	183.	0.58	2 T?	
5204 Herakleitos	3.71	0.16	2	SWF
5208 Royer	3.866	0.44	2 p	
5211 Stevenson	14.18	0.31−0.33	3	
5212 Celiacruz	5.598	0.26	2	SWF
5213 Takahashi	S 95.977		2 p N	LCI-W
5215 Tsurui	3.8156	0.16−0.24	3	
5216*1941 *HA*	32.206	0.31−0.46	2	SWF
5217 Chaozhou	11.3	0.55−0.56	2	SWF
5220 Vika	5.068	0.15	2	SWF
5222 Ioffe	19.4	0.27−0.28	2	
5226 Pollack	2.725	0.30	2	
5227 Bocacara	5.16628	0.19	2	DWF
5228 Máca	9.857	0.59	2	SWF
5229 Irurita	5.373	0.44−0.48	2	SWF
5230 Asahina	89.3	0.67	3 T-	
5231 Verne	4.320	0.84	3 p	
5232*Jordaens	10.58	0.27−0.80	2	
5233 1988 RL_{10}	5.33	0.22	2	SWF
5234*Sechenov	12.0884	0.22−0.69	2	DWF
5235 Jean–Loup		0.09	N	
5236 Yoko	2.7692	0.30−0.44	3− p	
5237 Yoshikawa	3.470	0.33	2	SWF
5238 Naozane	88.7755	0.25	2	DWF
5240 Kwasan	5.673	0.42−0.53	3	
5241 Beeson	6.669	0.73	2	SWF
5244 Amphilochos	9.766	0.51−0.79	3	
5245*Maslyakov	10.2	0.63	2	
5247*Krylov	81.5	0.90−1.5	2 T+	
5248 Scardia	S 6.04650		2 p N	LCI-W
5251 Bradwood	4.296	0.30−0.43	3	
5253*Fredclifford	3.0530	0.07−0.21	3	
5254 Ulysses	28.72	0.32−0.33	3	
5256*Farquhar	11.513	0.07−0.17	2	
5258 1989 AU_1	19.85	0.14	2+	
5259 Epeigeus	18.42	0.10	2	
5260 Philvéron	8.247	0.47	2	SWF
5261 Eureka	2.6902	0.06	3 B	
5262*Brucegoldberg	16.428	0.12−0.75	3−	
5263*Arrius	6.907	0.46−0.54	2	SWF
5264 Telephus	9.525	0.20−0.58	3	
5267*Zegmott	5.365	0.31−0.48	3	
5268 Černohorský	15.60	0.08	1 DA	SWF
5270 Kakabadze	46.919	0.23	2	DWF
5271 Kaylamaya	2.776	0.23	2	SWF
5274*Degewij	7.5802	0.19−0.20	2	
5275 Zdislava	5.2008	0.52−0.54	3	
5279 Arthuradel	6.476	0.28	3−	
5280 Andrewbecker	6.23071	0.35	2	DWF
5281 Lindstrom	S 9.2511		2 p N	LCI-D
5283 Pyrrhus	7.323	0.11	2	
5284 Orsilocus	10.31	0.12−0.20	2+	
5285 Krethon	12.04	0.33−0.46	2 p	
5287 Heishu	15.731	0.10	2	SWF
5288 Nankichi	12.763	0.19−0.22	2	
5290 Langevin	11.2241	0.30	2	DWF
5292*Mackwell	2.8956	0.18−0.42	3	
5293 Bentengahama	15.781	0.18	3	
5294*Onnetoh	3.556	0.30−0.44	3−	
5296 Friedrich	7.103	0.24	2	SWF
5299 Bittesini	S 4.679660		2 p N	LCI-W
5301 Novobranets	24.2695	0.10	2	DWF
5304 Bazhenov	S 8.93669		2 p N	LCI-W
5306 Fangfen	3.939		2	SWF
5307 Paul–André	5.343	0.58	3	
5308 Hutchison	3.27603	0.47	2	DWF
5313 Nunes	2.798	0.18−0.28	3	
5316 Filatov	1061.376	0.07	1	SWF
5317 Verolacqua	3.022	0.60	3− p	
5318 Dientzenhofer	8.062	0.70−0.84	3	
5320 Lisbeth	S 45.6442		2 p N	LCI-W
5321 Jagras	2.6375	0.06	2	
5323 Fogh	15.549	0.61	2 p	SWF
5325 Silver	4.02361	0.05−0.28	3 p	
5326*Vittoriosacco	7.26014		2−	DWF
5327 1989 EX_1	8.71997	0.90−1.34	3 p	
5329 Decaro	24.460	0.84	2	SWF
5330 Senrikyu	14.44	0.08	2	
5331 Erimomisaki	24.26	0.27−0.42	3−	
5332*Davidaguilar	5.803	0.20−1.2	3 p	
5333 Kanaya	3.8022	0.15−0.22	3	
5334 Mishima	2.9760	0.14	3	
5336 1991 JE_1	12.515	0.29	2	
5337 Aoki	18.7604	0.10	2	DWF
5338 Michelblanc	2.879	0.18	2−	
5342 Le Poole	12.5495	0.45	3	
5343 Ryzhov	5.74941	0.06	2	DWF
5344*Ryabov	S 18.490		2 p N	LCI-W
5349*Paulharris	7.890	0.18	3−	
5350 Epetersen	5.025	0.24−0.28	3−	
5351*Diderot	9.984	0.45−0.49	3	
5354 Hisayo	S 14.29164		2 p N	LCI-W
5357 Sekiguchi	5.41	0.27−0.72	3 p	
5358 1992 *QH*	65.1696	0.26	2	DWF
5360 Rozhdestvenskij	8.65192	0.43	2	DWF
5361 Goncharov	S 13.12799		2 p N	LCI-W
5362 Johnyoung	6.879	0.19	2	SWF
5363 Kupka	8.7641	0.83	3−	
5364 1980 RC_1	19.	0.14	1	
5368 Vitagliano	59.36	0.29−0.30	2+	
5369 Virgiugum	5.8422	0.13−0.26	3−	
5370 Taranis		0.02		
5374 Hokutosei	6.7592	0.50−0.60	3	
5376 1990 *DD*	6.2346	0.28−0.70	3	
5377*Komori	5.4492	0.89	3 p	
5378 Ellyett	47.32	0.48	2 T+	
5380 Sprigg	3.219	0.68	3−	
5381 Sekhmet	2.8233	0.36	3 B	
5382 McKay	21.486	0.86	2	SWF
5383 Leavitt	6.180		2	SWF
5384 Changjiangcun	12.5109	0.38−0.76	3	
5385 Kamenka	6.683	0.15−0.26	2 p	
5386 Bajaja	16.841	0.25	3	
5387 Casleo	S 4.051486		2 p N	LCI-W
5390 Huichiming	111.	0.60−0.75	2+ T0	
5391*Emmons	3.028	0.14−0.16	2	
5392 Parker	87.15	0.60	2+	
5394 Jurgens	6.073	0.21	2	SWF
5396 1988 SH_1	8.492	0.31	2	SWF
5397 Vojislava	54.048	0.25	3−	
5399 Awa	41.16	0.79−0.94	3−	
5401 Minamioda	3.949	0.11	2− A	
5402 Kejosmith	2.69549	0.13	3 BN	
5403 Takachiho	3.959	0.29	3−	
5404 Uemura	3.44872	0.09−0.13	3	
5405 Neverland	3.181	0.13−0.20	3	
5406 Jonjoseph	3.555	0.57	2 p	SWF
5407*1992 *AX*	2.5488	0.05−0.12	3 B	
5408 Thé	7.374	0.68	2	SWF
5410 Spivakov	6.62	0.17−0.18	2	SWF
5411 Liia	12.609	0.22	2	SWF
5412 Rou	S 7.78166		2 p N	LCI-W
5414 Sokolov	S 27.2478		2 p N	LCI-W
5416 Estremadoyro	S 20.7506		2 p N	LCI-W
5417 Solovaya	3.8329	0.09	2+	
5418 Joyce	20.96	0.42−0.53	2 p	
5420 Jancis	>24.	0.5 −0.74	2	
5421 Ulanova	9.814	0.60	2+	
5424 Covington	5.0	0.21	2	
5425 Vojtěch	2.64759	0.25−0.27	3 B	
5426 Sharp	4.5609	0.18−0.25	3 B?	
5427 Jensmartin	5.810	0.44−0.64	3	
5428 1987 RA_1	49.653		2	SWF
5430 Luu	13.55	0.05−0.06	2	
5431 Maxinehelin	5.1951	0.18−0.25	3	
5435 Kameoka	6.562	0.26	2	SWF
5436*Eumelos	38.41	0.40−0.68	3	
5438 Lorre	26.	0.11	2	
5439 Couturier	>50.	>0.47	2	
5440 Terao	50.32	1.0	3	
5446 Heyler	6.985	0.47	2+	
5447 Lallement	S 7.64218		2 p N	LCI-W

Planet	Period	Variation	Note	Survey
5448 Siebold	2.9546	0.24−0.53	3	
5449 1992 US_5	3.329	0.24−0.41	2 p	
5450 Sokrates	5.9822	0.20−0.37	2+	
5451 Plato	6.19	0.50	2 p	SWF
5452 1937 *NN*	3.2562	0.39−0.50	3	
5453*Zakharchenya	4.1576	0.22−0.28	3	
5457 Queen's	4.326	0.19	2	SWF
5461 Autumn	S 20.0929		2 p N	LCI-D
5464 Weller	3.288	0.40	3 p	
5467 1988 *AG*	16.085	0.58	2	SWF
5468 Hamatonbetsu	42.02	0.43	2	
5471 Tunguska	5.17	0.25	2	
5472 1988 *RR*	5.092	0.21−0.25	2	SWF
5474 Gingasen	3.6242	0.10−0.18	3 B?	
5475 Hanskennedy	66.9	0.63	2	
5476 1989 TO_{11}	5.780	0.30	3	
5477 Holmes	2.9940	0.10−0.12	3 B	
5478 Wartburg	8.55249	0.38	2	DWF
5479*Grahamryder	7.60	0.08−0.30	2 A	
5481*Kiuchi	3.6196	0.08−0.20	3 B	
5482 Korankei	2.68	0.26	2	SWF
5483 Cherkashin	6.148	0.22	3	
5484 Inoda	14.1479	0.09−0.16	3	
5486 1991 UT_2	17.90	0.25	2+	
5487 1991 UM_4	6.65	0.52	2	SWF
5488 Kiyosato	8.787	0.70−0.71	2 p	SWF
5489 Oberkochen	5.625	0.40−0.59	3 p	
5492*Thoma	3.3142	0.24−0.32	3−	
5494 Johanmohr	5.727	0.98	2 p	SWF
5496 1973 *NA*	2.855	0.15	3	
5499*1981 SU_2	3.6925	0.27−0.53	3	
5500*Twilley	2.955	0.14−0.15	2+	
5501 1982 FF_2	2.46	0.17	1	SWF
5502 Brashear	S 19.2922		2 p N	LCI-W
5506*Artiglio	9.406	0.76−1.01	2	SWF
5508 Gomyou	8.802	0.37	2	SWF
5510 1988 RF_7	3.2	0.05	1+	
5511 Cloanthus	336.	>0.49	2− T0	
5515*Naderi	5.230	0.37−0.58	3	
5518 Mariobotta	108.60	0.54−0.56	2+ T0	
5520 Natori	3.58549	0.26	2	DWF
5521 Morpurgo	6.191	0.89	2	SWF
5523 Luminet	53.326	0.31	2	SWF
5524 Lecacheux	8.4160	0.78	3	
5525 1991 TS_4	14.088	0.21−0.41	3−	
5527 1991 UQ_3	4.2554	0.16	3	
5535 Annefrank	15.12	0.17−0.25	2 A	
5536 Honeycutt	3.5830	0.09	3 B	
5537 Sanya	3.427	0.85	2	SWF
5538 Luichewoo	147.734	0.41	2	DWF
5540 Smirnova	39.9787	0.31	2	DWF
5541 Seimei	25.820	0.30	2	SWF
5542 Moffatt	5.187	0.12	2+	
5546 Salavat	5.28235	0.20	2	DWF
5547 Acadiau	3.642	0.15	3−	
5549 Bobstefanik	3.17992	0.16	2	DWF
5551 Glikson	91.43	0.90	2	
5553 Chodas	6.95582	0.32	2	DWF
5557 Chimikeppuko	4.168	0.35−0.46	2	SWF
5558 Johnnapier	73.9	0.70	2	
5559 Beategordon	14.971	0.37−0.49	3	
5560*Amytis	7.732	0.33−0.50	3−	
5561*Iguchi	112.4	0.33−0.43	2 T0	
5562 1991 *VS*	8.49503	0.71	2	DWF
5563 1991 VZ_1	3.223	0.23−0.30	3−	
5564 1991 VH_2	7.72626	0.65	2	DWF
5567 Durisen	7.001	0.22−0.44	3	
5570 Kirsan	4.146	0.19	2	SWF
5571*Lesliegreen	6.953	0.14−0.16	2	
5573 Hilarydownes	10.685	0.83	2+	
5574*Seagrave	4.6641	0.23−0.25	3	
5575 Ryanpark	4.840	0.38−0.48	2	SWF
5577 Priestley	160.	0.35−0.85	3− T	
5579 Uhlherr	4.550	0.18−0.42	3	
5580 Sharidake	14.58	0.37−0.39	3	
5582 1989 CU_8	4.500	0.23	2	SWF
5584 Izenberg	10.874	0.25	2	DWF
5585 Parks	10.344	0.15−0.35	3	
5587*1990 *SB*	5.0522	0.65−1.26	3 p	
5588 Jennabelle	7.48356	0.28	2	DWF
5592 Oshima	12.54	0.28	2	
5593 Jonsujatha	42.	0.38	1	
5594 Jimmiller	25.264	0.67	2 p	SWF
5595 Roth		0.10	N	
5596 Morbidelli	5.4000	0.57	3 p	
5598*Carlmurray	2.9226	0.19−0.32	3	
5599*1991 SG_1	3.6195	0.19−0.36	3 p	
5603 Rausudake	6.79	0.30	3	
5604 1992 *FE*	5.3375	0.10−0.21	3	
5605 Kushida	3.328	0.07	2	
5606 Muramatsu	4.90991	0.06	2	DWF
5611 1943 *DL*	325.667	0.65	2	DWF
5612 Nevskij	10.8021	0.15	2	DWF
5614 Yakovlev	9.713	0.55	3	
5615*Iskander	5.4150	0.61−1.1	3	
5617 Emelyanenko	193.449	0.19	2	DWF
5619 Shair	5.0643	0.48−0.94	3	
5620 Jasonwheeler	5.307	1.2 −1.55	3	
5621 Erb	8.027	0.10	3−	
5622 Percyjulian	3.6785	0.32	3	
5623 Iwamori	7.087	0.37	3	
5625 Jamesferguson	6.6735	1.10	3 p	
5626*Melissabrucker	2.48611	0.06−0.44	3	
5627*1991 *MA*	5.365	0.48	3	
5629*Kuwana	5.197	0.17−0.24	2	SWF
5630 Billschaefer	69.	0.9	2− p T0	
5633 1978 UL_7	7.212	0.53	3	
5635 Cole	5.7937	0.30−0.33	3	
5636 Jacobson	4.90	0.25	2	SWF
5638 Deikoon	19.40	0.07−0.14	2	
5639 Ćuk	23.30	0.09−0.15	1	
5641 McCleese	418.	0.06−1.3	2 T0	
5642 Bobbywilliams	4.8341	0.50	3	
5643 Roques	7.78	0.30	1 DA	SWF
5644 Maureenbell	239.053	0.31	2	DWF
5645 1990 *SP*	30.39	0.7	2 T	
5646 1990 *TR*	3.1999	0.12−0.32	3 B?	
5647 Sarojininaidu	6.144	0.11−0.45	3 p	
5648 1990 VU_1	37.56	0.19−0.22	3−	
5652 Amphimachus	8.374	0.20−0.22	2+ H	DWF
5653*Camarillo	4.834	0.25−0.85	3	
5654 Terni	9.255	0.24−0.41	2	
5655 Barney	2.661	0.20	2	SWF
5657*Groombridge	7.4349	0.45	3− p	
5659 Vergara	24.070		2−	SWF
5660 1974 *MA*	17.5	>0.3	2 N	
5661 Hildebrand	6.803	0.15−0.21	2+	
5663 McKeegan	4.769	0.20−0.21	3	
5665 Begemann	51.661		2−	SWF
5666 Rabelais	9.63527	0.07	2	DWF
5667 Nakhimovskaya	42.457		2−	SWF
5668 Foucault	2.5540	0.16	3−	
5670 Rosstaylor	6.971	0.32	2	SWF
5671*Chanal	9.425	0.43−0.61	2+	
5672 Libby	131.056	0.46−0.66	2	SWF
5673 McAllister	5.81	0.59−0.62	3	SWF
5674 Wolff	93.7	0.52−0.70	3 B	
5676 Voltaire	5.039	0.05−0.12	2+	
5677 Aberdonia	5.081	0.20	2	SWF
5681*Bakulev	5.77394	0.54−0.99	3	
5682 Beresford	3.769	0.08−0.20	3−	
5685 Sanenobufukui	3.388	0.68−0.70	3 p	
5690 1992 *EU*	5.	0.2	2	
5691 Fredwatson	106.0	1.2	3− T0	
5692 Shirao	2.8878	0.12−0.16	3	
5693*1993 *EA*	2.496	0.05−0.13	2	
5700 Homerus	S 4.95518		2 p N	LCI-W
5701 Baltuck	4.8328	0.59−0.70	3−	
5702 Morando	9.5	0.62	2+	
5703*Hevelius	3.4566	0.59−0.68	3	
5706 Finkelstein	8.251	0.24	3−	SWF
5707 Shevchenko	3.0081	0.46	3−	
5709 Tamyeunleung	3.562	0.24	3−	
5711 Eneev	107.1	0.15	2 A	
5712 Funke	3.9481	0.51−0.84	3	
5713 1982 FF_3	7.000	0.07	1	SWF
5714 Krasinsky	18.184	0.45	2	SWF
5716 Pickard	9.6	0.03	1	
5719 Křižík	22.1117	0.39	2	DWF
5720*Halweaver	3.8883	0.45−0.55	3	

Planet	Period	Variation	Note	Survey
5723 Hudson	S 4.475115		2 p N	LCI-W
5724 1986 *WE*	9.8258	0.48−0.56	3	
5730 Yonosuke	5.45	0.31	2	SWF
5732 1988 *WC*	3.1	0.3	2	
5733 1989 *AQ*	157.767	0.66	2	SWF
5735 Loripaul	7.227	0.26	3	
5736 Sanford	3.1846	0.42	3	
5738 Billpickering	10.4	0.45	3 p	
5740*Toutoumi	11.68	0.33−0.41	3−	
5741 Akanemaruta	4.573		2	SWF
5743 Kato	14.269	0.52	2	SWF
5745 1991 *AN*	4.087	0.92	3	
5747 1991 CO_3	196.45	0.30−0.71	2+	
5748 Davebrin	8.94458	0.78	2	DWF
5750 Kandatai	9.264	0.50	3−	
5751 Zao	76.	0.1 −0.2	2 T0	
5752 1992 *CJ*	86.	0.80	2 T0	
5754 1992 FR_2	8.9021	0.70−0.97	3 p	
5755 1992 OP_7	S 5.5752		2 p N	LCI-W
5759 Zoshchenko	4.203	0.55−0.61	2	SWF
5760 Mittlefehldt	S 5.48720		2 p N	LCI-W
5761 Andreivanov	11.68	0.82−0.85	2	
5762 Wänke	3.835	0.23	2	SWF
5764 1985 CS_1	13.7705	0.29	2	DWF
5765*Izett	8.9550	0.28	3	
5767 Moldun	25.648		2−	SWF
5769 Michard	3.350	0.37	2	SWF
5770 1987 *RY*	13.91	0.51−0.56	2+	SWF
5771 Somerville	9.20	0.80	2+ A	
5772 Johnlambert	3.289	0.17	2	SWF
5773 Hopper	108.986	0.72−0.74	2	SWF
5774 Ratliff	61.	>0.6	2 T0	
5775 Inuyama	4.8345	0.57	3	
5776 1989 UT_2	S 4.34079		2 p N	LCI-D
5778 Jurafrance	4.14	0.27	2−	
5782 Akirafujiwara	15.7872	0.39	2	DWF
5783 Kumagaya	3.658	0.18−0.22	3	
5784 Yoron	11.046	0.41	2	SWF
5786*Talos	23.60	0.23−0.30	2 T?	
5787 1992 FA_1	4.0176	0.20−0.22	3	
5795 Roshchina	S 5.376907		2 p N	LCI-W
5796 Klemm	3.929	0.50	2	SWF
5797 Bivoj	2.706	0.12−0.17	3	
5798*Burnett	7.482	0.46−0.68	3−	
5802 Casteldelpiano	2.9705	0.10	2+	
5803 Ötzi	3.634	0.43	2	SWF
5804 Bambinidipraga	11.379	0.39	2	
5806 Archieroy	12.163	0.34−0.47	3	
5807 Mshatka	129.751	0.63	2	SWF
5808 Babel′	30.1	0.47	2	
5811 Keck	>30.	>0.25	2	
5813 Eizaburo	2.876	0.24−0.37	3	
5815 Shinsengumi	37.923	0.36	2	SWF
5817*Robertfrazer	4.05083	0.22−0.33	3 B	
5819 Lauretta	5.361	0.43	2	SWF
5823*Oryo	2.7939	0.18−0.42	3	
5826 Bradstreet	5.55	0.63	2 p	SWF
5827 Letunov		0.97		SWF
5828 1991 *AM*	2.6666	0.15	3 B?	
5830 Simohiro	58.052	0.89	2	SWF
5831 Dizzy	9.074	0.32	2	SWF
5832 Martaprincipe		0.16	N	
5833 Peterson	27.441	0.24−0.29	2	SWF
5834 1992 SZ_{14}	3.21483	0.09	2	DWF
5836 1993 *MF*	4.9543	0.53−0.88	3 p	
5837 Hedin	7.726	0.69	2	SWF
5839 GOI	6.303	0.35	3	
5841 Stone	2.890	0.04−0.11	3 p	
5845 Davidbrewster	5.00951	0.07	2	DWF
5847*Wakiya	96.4677	0.78	3−	DWF
5849 Bhanji	8.733	0.60	3	
5851*Inagawa	367.5	0.46−0.90	3 T?	
5852 Nanette	5.606	0.49	3	
5854 1992 *UP*	7.1296	0.27−1.00	3	
5855 Yukitsuna	19.04	0.8	2+	
5856 1994 AL_2	10.5058	0.74	2	DWF
5858 Borovitskia	7.553	0.18−0.40	3	
5863 Tara	5.867	0.17−0.19	2+	
5865 Qualytemocrina	2.41634	0.32	2	DWF
5868 Ohta	12.631	0.43	2	SWF

Planet	Period	Variation	Note	Survey
5869 Tanith	17.519	0.37	3 4	
5870 Baltimore		0.3	N	
5871 Bobbell	30.21	0.27−0.35	3−	
5872 Sugano	3.3642	0.11	3 B	
5874 1989 *XB*		0.06	N	
5875 Kuga	5.551	0.24−0.35	3 p	
5876 1990 DM_2	5.441	0.43	2	SWF
5877 Toshimaihara	8.91	0.09	2	
5878 Charlene	7.0584	0.20−0.21	3	
5879 Almeria	13.67	0.45	2	
5881 Akashi	4.283		2−	SWF
5883 Josephblack	S 17.542		2 p N	LCI-W
5885 Apeldoorn	5.55619	0.41	2	DWF
5886 Rutger	3.32491	0.20	2	DWF
5887 Yauza	54.78	0.30	2 T?	
5889 Mickiewicz	6.1412	0.37	3−	
5891 Gehrig	3.57	0.76	3 p	SWF
5892 Milesdavis	10.59	0.26	3	
5893 Coltrane	4.61179	0.36	2	DWF
5894 Telč	17.65	0.66	2+	SWF
5895 Žbirka	28.680		2	SWF
5899 Jedicke	2.7481	0.03−0.11	3 B	
5902*Talima	22.3628	1.34	2 p	DWF
5905 Johnson	3.7824	0.08−0.20	3 B	
5909 Nagoya	3.784	0.24	3	
5913 1990 *BU*	52.	0.10	1	
5914 Kathywhaler	38.730	0.10−0.22	1	SWF
5915 Yoshihiro			HN	DWF
5916 van der Woude	5.85536	0.09	2	DWF
5917*Chibasai	2.65	0.23−0.36	3	
5920 1992 SX_{17}	2.93681	0.18	3−	
5925 1994 CP_1	5.4002	0.50−0.54	3 p	
5927 Krogh	4.8407	0.31	2	DWF
5928 Pindarus	6.01	0.09	2	
5929*Manzano	3.7596	0.6 −1.01	3 p	
5931 Zhvanetskij	12.006	0.63	3−	
5934 Mats	5.184		2	SWF
5935 Ostankino	12.7145	0.23	2	DWF
5937 Lodén	2.9189	0.36	3	
5940*Feliksobolev	7.620	0.23−0.34	3− p	
5941 Valencia	10.16	1.10	2	SWF
5942 Denzilrobert	S 14.31031		2 p N	LCI-W
5945 Roachapproach	5.6047	0.19−0.38	3	
5949*1985 RL_3	3.5940	0.17−0.29	3	
5951 Alicemonet	3.8871	0.46	3	
5952 Davemonet	2.6388	0.23	3 p	
5953 Shelton	>18.	>0.1	2 N	
5960*Wakkanai	S 4.96283	0.66	2 p	LCI-D
5961*Watt	3.1684	0.25	3	
5967 Edithlevy	66.	0.7	3− T	
5968 Trauger	3.7879	0.09−0.36	3	
5970*Ohdohrikouen	2.6536	0.11−0.14	3−	
5971 Tickell	2.99705	0.13	3	
5972 Harryatkinson	3.38813	0.08	2	DWF
5973 Takimoto	11.54	0.26	2+	SWF
5976*Kalatajean	4.55362	0.41−0.60	3	
5978*Kaminokuni	7.063	0.44−0.50	3	
5983 Praxiteles	57.9507	0.44	2	DWF
5984 Lysippus	S 4.870934		2 p N	LCI-W
5985 1942 *RJ*	9.7212	0.11−0.18	3	
5986 Xenophon	6.921	0.36−0.40	3	
5988 Gorodnitskij	18.9677	0.31	2	DWF
5993 Tammydickinson	S 9.44711		2 p N	LCI-W
5996 Julioangel	9.74	0.34	3−	
5998 Sitenský	6.500	0.44	3	
5999*Plescia	5.392	0.69−0.98	3	
6000 United Nations	3.262	0.45	3 p	
6002 1988 *RO*	12.918	0.18	3−	
6003*1988 VO_1	104.406	0.42−0.50	2	SWF
6008 1990 BF_2	149.228	0.07	2	DWF
6009*Yuzuruyoshii	3.0302	0.05−0.15	3	
6010 Lyzenga	4.5955	0.17	3−	
6012*Williammurdoch	2.890	0.18	2	
6014 Chribrenmark	9.538		2−	SWF
6016 Carnelli	2.8028	0.07	3 B	
6017 1991 PY_{11}	>1.30	>0.03		SWF
6019 Telford	5.760	0.34−0.38	3	
6021 1991 *TM*	6.97081	0.55	2	DWF
6024 Ochanomizu	6.00	0.51	1	SWF
6025 Naotosato	>10.	>0.2	1	

Planet	Period	Variation	Note	Survey
6026*Xenophanes	S 3.78170	0.39−0.40	2 p	LCI-D
6027 1993 SS_2	46.927		2−	SWF
6028*1994 ER_1	3.53	0.48−0.64	2	SWF
6029 Edithrand	14.472	0.11−0.15	2+	
6032 Nobel	7.4640	0.16	3	
6033 1984 SQ_4	35.53	0.31	2	
6035 Citlaltépetl	17.9	0.45	2	
6037 1988 *EG*	2.760	0.2	2 A	
6041 Juterkilian	13.57	0.75	1	
6042 Cheshirecat	10.050	0.20−0.40	3−	
6043 Aurochs		0.45	N	
6045*1991 RG_9	12.345	1.0	2 N	
6050 Miwablock	5.7566	0.28−0.87	3	
6051*Anaximenes	S 38.9111	0.29	2 p N	LCI-W
6052 Junichi	17.173	0.15	2	SWF
6053 1993 BW_3	2.573	0.03−0.50	3 p	
6056 Donatello	6.224	0.20	2	SWF
6057 Robbia	5.801	0.35−0.54	2 p	SWF
6060 Doudleby	11.878	0.65	2 p	SWF
6062 Vespa	8.407	0.35	2	SWF
6063 Jason	48.6	0.11−0.12	2 T	
6064 Holašovice	337.394	0.53	2	DWF
6065*Chesneau	33.15	0.20−0.34	2	
6066 Hendricks	5.780	0.63	2+ p	
6067 1990 QR_{11}	87.492	0.44	2	SWF
6070 Rheinland	4.27333	0.40−0.58	3 p	
6071 Sakitama	4.437	0.09	3−	
6072 Hooghoudt	4.268	0.63−0.67	2	SWF
6073 1939 *UB*	5.897	0.20	3	
6083 Janeirabloom	10.151	0.23	2	
6084 Bascom	2.74542	0.14−0.23	3 B	
6085 Fraethi	5.556	0.15−0.79	3	
6086 Vrchlicky	2.76772	0.05	2	DWF
6087 Lupo	4.712	0.55−0.66	3 p	
6088 Hoshigakubo	12.520	0.39	2	SWF
6090 1989 *DJ*	18.476	0.09−0.16	2+	
6091 Mitsuru	5.853	0.80	3 p	
6093 Makoto	9.90128	0.28	2	DWF
6094 Hisako	4.050	0.14−0.22	1+	
6095 1991 *UU*	>80.	>0.3	2	
6096 1991 UB_2	6.465		2	SWF
6097*Koishikawa	2.85979	0.13−0.20	3	
6098 Mutojunkyu	2.779	0.18	3	
6100*Kunitomoikkansai	30.267	0.14−0.27	2−	
6102 Visby	3.28	0.28	2+	SWF
6107 Osterbrock	2.372	0.09−0.24	2	
6108 Glebov	2.8310	0.22	2	
6111 Davemckay	7.1	0.12	2	
6112 Ludolfschultz	4.80889	0.20	2	DWF
6113 Tsap			HN	DWF
6115 Martinduncan	5.894		2−	SWF
6116 Still	8.513	0.55	2	SWF
6121 Plachinda	4.0863	0.35	3 p	
6122 Henrard	9.16	0.26	3−	
6124 Mecklenburg	6.159	0.16	2+	
6131 Towen	6.770	0.25	2	SWF
6135 Billowen	28.463	0.27−0.39	2	SWF
6136 Gryphon	16.476	0.60−0.61	3 p	
6138 Miguelhernández	5.457	0.29−0.37	3	
6139 Naomi	21.35	0.20	2+	
6141 Durda	460.	0.50	2+ T0	
6142 Tantawi	18.133		2−	SWF
6143 Pythagoras	13.840		2	SWF
6144 Kondojiro	4.0	0.03	1	
6145 Riemenschneider	4.129		2−	SWF
6146 Adamkrafft	6.964	0.18−0.44	3	
6149 Pelčák	75.0866	0.26	2	DWF
6151 Viget	2.8068	0.13	3−	
6153 Hershey	6.094	0.06	2− A	
6155 Yokosugano	3.28234	0.14−0.24	2+	
6158 Shosanbetsu	16.757	0.13−0.18	3	
6159 Andréseloy	10.639	0.78	3 p	
6160 Minakata	11.5	0.09	2−	
6161*Vojno–Yasenetsky	7.983	0.78−0.90	3 p	
6163 Reimers	6.68	0.77−1.22	3	
6166 Univsima	9.6	>0.6	2 p	
6167 Narmanskij	S 5.41192		2 p N	LCI-W
6168 Isnello	10.466	0.27−0.31	2	SWF
6169*Sashakrot	250.055	0.39−0.47	2	SWF
6170 Levasseur	2.6529	0.09−0.14	3	
6172 Prokofeana	6.540	0.35	3	
6173 Jimwestphal	2.908	0.36−0.41	3 p	
6174 Polybius	8.712	0.54	2	SWF
6175 Cori	8.520		2	SWF
6178 1986 *DA*	3.5002	0.09−0.48	3	
6179*Brett	9.403	0.40−0.70	3 p	
6181 Bobweber	2.75796	0.12−0.15	3	
6183 Viscome	453.	0.68−0.90	3− T?	
6185 Mitsuma	21.05	>0.34	3−	
6186 Zenon	2.6832	0.08	3 NM	
6187 Kagura	40.979		2−	SWF
6189 Völk	2.896	0.18	3	
6191 Eades	5.05777	0.18	2	DWF
6192*Javiergorosabel	78.85	0.66−0.95	3 p T+	
6193 Manabe	3.24384	0.13	2	DWF
6199 Yoshiokayayoi	3.373	0.10	3−	
6200 Hachinohe	78.327	0.41	2	SWF
6205 Menottigalli	15.252	0.36−0.38	2+	
6209 Schwaben	28.497		2−	SWF
6210 Hyunseop	2.918	0.25	2	SWF
6211 Tsubame	2.69802	0.11	2	DWF
6212 Franzthaler	6.898	0.26−0.63	2	
6217 Kodai	3.613	0.06	1	SWF
6221 Ducentesima	13.788	0.34−0.41	2	SWF
6223 Dahl	3.33	0.43	2	
6229 Tursachan	16.596	0.57	2	SWF
6233 Kimura	7.09778	0.50	2	DWF
6234 Sheilawolfman	11.784	0.75	2 p	SWF
6235 Burney	15.515	0.60	3	
6236 Mallard	176.266	0.62−0.83	2	SWF
6237 Chikushi	7.787	0.23−0.38	3	
6238*Septimaclark	10.819	0.60−0.67	2	SWF
6239 Minos	3.5558	0.08−0.10	3 N	
6241*Galante	16.5876	0.25	1	DWF
6242 1990 OJ_2	5.475		2	SWF
6244 Okamoto	2.8958	0.11−0.15	3 B	
6245 Ikufumi	2.9222	0.10	3 BN	
6246 Komurotoru	3.2771	0.38−0.51	3	
6247 Amanogawa	12.38	0.38−0.48	3	
6248 1991 BM_2	16.644		2−	SWF
6249 Jennifer	4.9566	0.06−0.49	3	
6250*Saekohayashi	82.6	0.58−0.78	2+ T0	
6251 Setsuko	25.324	0.12	2	DWF
6253 1992 *FJ*	5.72332	0.50	2	DWF
6254 1993 UM_3	7.040	0.31	3−	
6255 Kuma	9.70	0.15	2	
6257 Thorvaldsen	S 82.654		2 p N	LCI-W
6258*Rodin	5.2956	0.55	3	
6260 Kelsey	5.11	0.17	2	
6261 Chione	5.3334	0.75	3	
6262 Javid	8.02	0.45−0.49	3 p	
6263 Druckmüller	3.464	0.05	1	
6265 1985 TW_3	2.70932	0.26−0.36	3 B	
6267 Rozhen	3.98	0.12−0.14	2	SWF
6271 Farmer	250.	0.13−0.22	2 T?	
6274*Taizaburo	3.13	0.15−0.30	3−	
6276 Kurohone	6.345	0.85−0.87	2 p	SWF
6279 1977 UO_5	9.964	0.49	2 p	SWF
6280*Sicardy	3.5384	0.07−0.14	3	
6287 Lenham	5.623	0.45	2	SWF
6288 Fouts	8.250		2−	SWF
6289 Lanusei	12.901		2−	SWF
6296 Cleveland	30.84	0.11−0.70	3	
6297 1988 VZ_1	S 4.441968		2 p N	LCI-W
6299 Reizoutoyoko	8.397		2−	SWF
6302 Tengukogen	3.092	0.46	1+	
6304 Josephus Flavius	S 6.49119		2 p N	LCI-W
6306 Nishimura	9.690	0.41−0.65	3−	
6307 Maiztegui	4.68	0.15	2	
6310 Jankonke	3.076	0.06−0.30	3	
6314 Reigber	96.446		2	SWF
6317 Dreyfus	5.25	1.03	3	
6319 Beregovoj	6.841		2−	SWF
6321*Namuratakao	29.9	0.10	2	
6322 1991 *CQ*	4.323	0.70	3	
6323 Karoji	28.2194	0.23	2	DWF
6326 Idamiyoshi	3.138	0.27−0.31	3	
6327 Tijn	18.199	0.06	2	
6329*Hikonejyo	6.064	0.15−0.23	3−	
6330 Koen	51.604	0.53−0.65	2	SWF

Planet	Period	Variation	Note	Survey
6331 1992 FZ_1	9.333	0.28−0.60	2+	
6332 Vorarlberg	S 7.63393		2 p N	LCI-W
6335*Nicolerappaport	4.272	0.15−0.36	3−	
6338 Isaosato	S 4.97689		2 p N	LCI-W
6344 1993 *VM*	8.24	0.82	1 DA	SWF
6347 1995 BM_4	7.739	0.35	2	SWF
6348 1995 CH_1	3.085	0.15−0.21	2	SWF
6349 Acapulco	4.376	0.18	2	SWF
6350 Schlüter	13.190	0.31	3−	
6352 Schlaun	13.87	0.67−0.70	2+	
6353 Semper	>24.	0.95	2	
6354 Vangelis	4.039	0.36−0.54	3−	
6355 Univermoscow	44.027	0.24−0.55	2	SWF
6358 Chertok		0.06	N	
6359 Dubinin	14.062	0.13	3	
6360 1978 UA_7	S 10.60568		2 p N	LCI-W
6361*Koppel	9.1122	0.32−0.67	3	
6365 Nickschneider	40.1237	0.20	2	DWF
6369*1983 *UC*	2.39707	0.06−0.08	3 B	
6370 Malpais	5.020		2−	SWF
6371 Heinlein	4.96328	0.53	3	
6372 Walker	44.25	0.18	2	
6375 Fredharris	13.316	0.64	2	SWF
6376*Schamp	6.6093	0.15−0.16	3	
6377 Cagney	4.171	0.20	3	
6378 1987 SE_{13}	6.120	0.45	2	SWF
6379 Vrba	5.11	0.30	3	
6381 Toyama	27.	0.13	2−	
6382 1988 *EL*	2.895	0.06−0.20	3	
6383 Tokushima	4.76555	0.16	2	DWF
6384 Kervin	3.6203	0.06−0.16	3	
6385 Martindavid	5.476	0.43−0.51	2 p	SWF
6386 Keithnoll	3.145	0.07−0.08	3−	
6388 1989 WL_1	3.870	0.30	3	
6391 Africano	69.7184	0.71	2	DWF
6392*Takashimizuno	21.81	0.48−1.02	2	
6393*1990 HM_1	32.70	0.24−0.41	2	
6394 1990 QM_2	3.6873	0.25−0.39	3	
6397 1991 *BJ*	77.2382	0.20	2	DWF
6398 Timhunter	14.55	0.29−0.32	3	
6399 Harada	11.02	0.36	3−	
6400*Georgealexander	41.3476	0.12	2	DWF
6401 Roentgen	15.96	0.35−0.67	2+	
6402 Holstein		0.1	N	
6403 Steverin	3.4905	0.35−0.47	3 p	
6405 Komiyama	19.855	0.13	2 A	
6406 Mikejura	6.819	0.65−1.18	3 p	
6407 1992 PF_2	3.15	0.23	3	
6409 1992 *VC*	3.1490	0.50	3	
6410 Fujiwara	7.0073	0.60−0.85	3 p	
6411 Tamaga	8.383	0.29−0.34	3	
6413 Iye	4.664	0.15	2	SWF
6418 Hanamigahara	6.3770	0.33	3	
6420 Riheijyaya	S 8.25354		2 p N	LCI-W
6422*Akagi	7.74	0.63−0.77	2 p	SWF
6424 Ando	140.062	1.06	2	DWF
6425 1994 WZ_3	103.9	0.92	2 T0	
6426 Vanýsek	3.449		2−	SWF
6427*1995 *FY*	6.195	0.59−0.84	2	SWF
6432 Temirkanov	5.71	0.42	2	SWF
6433 Enya	7.400	0.08	1	SWF
6434 Jewitt	3.237	0.28	2	SWF
6435 Daveross	51.25	0.10−0.67	3− T-	
6438 Suárez	2.9416	0.15−0.20	3	
6444 Ryuzin	7.9290	0.76−0.98	3 p	
6445 Bellmore	6.87835	0.39	2	DWF
6447*Terrycole	10.278	0.21−0.28	3−	
6452 Johneuller	7.59	0.49	2+	SWF
6453 1991 *NY*	15.	0.20	1 N	
6454 1991 UG_1	9.8017	0.53	3	
6455*1992 *HE*	2.7361	0.09−0.21	3	
6456 Golombek	2.50129	0.10−0.14	3	
6457 Kremsmünster	S 3.867840		2 p N	LCI-W
6458 Nouda	4.201	0.60−0.92	3 p	
6459 Hidesan	9.05684	0.02	2	DWF
6460 Bassano	2.914	0.29−0.38	2	SWF
6461 Adam	74.	0.30−0.76	2 T	
6463 Isoda	6.15	0.21	3−	
6464*Kaburaki	4.80052	0.35	2 p	DWF
6469 Armstrong	5.965	0.65−0.70	2 p	SWF
6470 Aldrin	5.994	0.82	2	SWF
6475*Refugium	8.07	0.38−0.70	3	
6476 1987 *VT*	10.7973	0.42−0.57	3 p	
6477*1988 AE_5	37.589	0.40−0.63	2	SWF
6478 Gault	3.357	0.13−0.21	2 A	
6479 Leoconnolly	5.11	0.75	3 p	
6481 Tenzing	6.517	0.13	2	SWF
6485*Wendeesther	75.56	1.00−1.13	3− T0	
6486 Anitahill	38.3414	0.14	2	DWF
6487 Tonyspear	74.91	1.24	3− p T-	
6488 Drebach	4.1270	0.48	3	
6489 Golevka	6.026	0.28−1.03	3 p	
6490 1991 NR_2	4.4618	0.24−0.37	3	
6491 1991 *OA*	2.69	0.08	2	
6493 Cathybennett	3.4785	0.19−0.23	3	
6495 1992 UB_1	5.693	0.29−0.38	3	
6497 Yamasaki	9.879	0.56	3	
6498 Ko	>500.	0.6	2 T0	
6499 Michiko	6.004	0.57−0.74	2	SWF
6500*Kodaira	5.400	0.52−1.10	3	
6501 Isonzo	6.10592	0.35	2	DWF
6502 1993 XR_1	4.1931	0.13−0.18	3 B?	
6505 Muzzio	13.735	0.10	2+	
6508 Rolčík	9.12693	0.79	2	DWF
6509 Giovannipratesi	14.115	0.17	3−	
6510 Tarry	6.370	0.50−0.54	3 p	
6511 Furmanov	5.343	0.20	3−	
6513 1987 UW_1	2.68894	0.18	2	DWF
6514*Torahiko	8.7207	0.08−0.37	2	
6516 Gruss	13.003	0.09	1	
6517 Buzzi	8.648	0.64−0.84	3 p	
6518 Vernon	4.88249	0.52−0.54	3 p	
6520 Sugawa	9.93649	0.20	2	DWF
6521 Pina	2.911	0.05	2+	
6522 Aci	7.6937	0.68−0.79	3	
6527 Takashiito	3.016	0.22−0.27	3	
6529 Rhoads	9.72893	0.43	2	DWF
6530 Adry	3.289	0.29	3−	
6531 Subashiri	9.062		2−	SWF
6532 Scarfe	4.932	0.43	2	SWF
6534 Carriepeterson	14.291	0.22	2	SWF
6535 Archipenko	6.507	0.20	2	SWF
6536 Vysochinska	6.109	0.53	2+	
6537 Adamovich	2.4	0.13	1	SWF
6538 Muraviov	2.9759	0.24	2+	
6539 Nohavica	5.80	0.66	1 DA	SWF
6540 Stepling	65.3	0.41−0.53	3−	
6543 Senna	3.30	0.19	3−	
6545 1986 TR_6	16.26	0.31	2+	
6546 Kaye	10.006	0.32−0.34	2	SWF
6553*Seehaus	3.991	0.39−0.55	2	SWF
6554 Takatsuguyoshida	12.584	0.12	3	
6555 1989 UU_1	12.6778	0.27	3−	
6556 Arcimboldo	2.5158	0.16−0.24	3	
6558 Norizuki	2.4507	0.11	3	
6559 Nomura	165.154	0.75	2	DWF
6560 Pravdo	19.229	0.50−0.72	3−	
6561 Gruppetta	3.4	0.54−0.66	3−	SWF
6562 Takoyaki	31.2015	0.32	2	DWF
6567*Shigemasa	3.2752	0.14	3	
6568 Serendip	>16.	>0.35	2−	SWF
6569 Ondaatje	5.959	0.70−0.98	2	
6570 Tomohiro	9.965	0.51	2	SWF
6572 Carson	2.8235	0.33	3	
6574 Gvishiani		0.20	N	
6575 Slavov	12.5005	0.26	2	DWF
6577 Torbenwolff	6.984	0.85	3−	
6579 Benedix	3.92805	0.38	2	DWF
6581 Sobers	6.6338	1.14	3 p	
6582 Flagsymphony	113.3	0.21−0.28	2+	
6583 Destinn	283.338	0.75	2	DWF
6587 Brassens	5.2	0.27−0.54	2	
6589 Jankovich	4.72	0.41	2	SWF
6590*Barolo	8.36814	0.67	2 p	DWF
6594 Tasman	3.68	0.39	3	
6598 Modugno	6.769	0.21−0.36	2	SWF
6602 Gilclark	4.5686	0.21−0.54	3	
6607 Matsushima	11.359	0.87	2	SWF
6608 Davidecrespi	>20.	>0.3	2	
6610 Burwitz	3.014	0.22	2 N	

Planet	Period	Variation	Note	Survey
6611 1993 *VW*	2.5568	0.06−0.15	3 B?	
6615 Plutarchos	2.3247	0.06	3 B?	
6616 Plotinos	14.624	0.14	2	DWF
6617 Boethius	10.7123	0.08	2	DWF
6618 Jimsimons	4.142	0.12−0.4	3−	
6619 Kolya	10.5011	0.39	3	
6622 Matvienko	10.216	0.40−0.41	2	SWF
6624 1980 *SG*	8.69578	0.18	2	DWF
6626 Mattgenge	107.081	0.48	2	SWF
6634*1987 *KB*	5.333	0.19−0.23	3	
6635 Zuber	5.5355	0.63−0.75	3 p	
6638*1989 *CA*	3.878	0.31	2+ p	
6641 Bobross	5.90268	0.37	2	DWF
6642 Henze	4.4696	0.26−0.35	3	
6646*Churanta	5.8711	0.73−0.77	3 B?	
6647 Josse	5.9498	0.62	3−	
6649*Yokotatakao	S 7.55878	>0.62	2 p N	LCI-W
6650 Morimoto	13.49	0.24	2	
6652 1991 SJ_1	85.56	0.75	2	
6653 Feininger	15.674		2−	SWF
6654 Luleå	16.6755	0.06	2	DWF
6659*Pietsch	12.985	0.31−0.44	2	SWF
6660 Matsumoto	7.556	0.33−0.40	2	SWF
6662 1993 BP_{13}	>24.	0.94	1	
6663 Tatebayashi	4.8	0.35	2	
6664 Tennyo	3.2	0.20	1	
6665 Kagawa	S 6.7494		2 p N	LCI-W
6667 Sannaimura	2.89282	0.05	2	DWF
6669 Obi		0.15	N	
6670*Wallach	4.080	0.28−0.65	3	
6671 Concari	S 5.22042		2 p N	LCI-W
6672*Corot	37.62	0.51−0.87	2	SWF
6674 Cézanne	3.37	0.30	2	
6676 Monet	3.48	0.21	2	SWF
6677 Renoir	4.67272	0.07	2	DWF
6680 1970 *WD*	6.722	0.34	3	
6682 Makarij	63.6083	0.36	2	DWF
6683 Karachentsov	13.989	0.71	2	SWF
6685 Boitsov	2.5	0.10	2	
6686 Hernius	4.707	0.42	2	SWF
6689 Floss	>0.88	>0.25		SWF
6693 1986 CC_2	11.39	0.28	2 A	
6694*1986 *PF*	7.01	0.05−0.09	2−	
6699 Igaueno		0.15	N	
6701 Warhol	3.52157	0.28	2	DWF
6702 1988 BP_3	18.205	0.40	2	SWF
6706 1988 VD_3	27.021	0.05	1	SWF
6707 Shigeru	2.6156	0.09	2	
6708 Bobbievaile	12.3415	0.26−0.41	3 B	
6709 Hiromiyuki	6.828	1.00	3	
6716 1990 RO_1	S 28.1578		2 p N	LCI-W
6719 Gallaj	4.430	0.95	2 p	SWF
6720 Gifu	4.231	0.40	3−	
6721 Minamiawaji	14.518	0.56	2	SWF
6723 Chrisclark	10.97	0.22	2	SWF
6729 Emiko	3.13	0.15	3	
6730*Ikeda	16.33408	0.17−0.54	2	
6733*1992 *EF*	11.357	0.50−0.57	2	SWF
6734 Benzenberg	196.708	0.41	2	SWF
6736 Marchare	18.632	0.11	2	SWF
6737 Okabayashi	2.55	0.07−0.12	3−	
6741 Liyuan	10.768	0.13	3−	
6743*Liu	7.364	0.35−0.40	3 p	
6744 Komoda	3.110	0.40	3 p	
6746 Zagar	8.136	0.20	3−	
6750 Katgert	9.445	0.29	2	SWF
6751 van Genderen	3.143	0.45−0.60	2 p	SWF
6753 Fursenko	4.99	0.19	1+	SWF
6755 Solov′yanenko	8.1681	0.28−0.32	3 p	
6758 Jesseowens	3.87772	0.07	2	DWF
6759 1980 *KD*	19.3478	0.29	2	DWF
6764*Kirillavrov	4.74	0.07−0.19	2+	
6767*Shirvindt	10.7866	0.48	2 p	DWF
6774 Vladheinrich	3.60	0.58	2	SWF
6777 Balakirev	9.116	0.23−0.26	2	SWF
6778 Tosamakoto	>6.	>0.08	2	
6779 Perrine	72.279	1.16	2 T?	
6781 Sheikumarkahn	6.18122	0.38	2	DWF
6784 Bogatikov	11.527	0.60	2	SWF
6785 1990 VA_7	6.41655	0.16	2	DWF
6790 Pingouin	>12.	>0.45	2− D	
6793 Palazzolo	6.231	0.14−0.16	2	SWF
6794 Masuisakura	4.58	0.62	3 p	
6795 Örnsköldsvik	13.947	0.37−0.45	2	SWF
6796 Sundsvall	S 4.887226		2 p N	LCI-W
6801*Střekov	6.15	0.17−0.36	2+	
6805 Abstracta	152.183	0.78	2	SWF
6808 Plantin	5.82	0.32	1	
6809 Sakuma	2.5749	0.10	3 B?	
6811 Kashcheev	9.286		2	SWF
6814 Steffl	S 5.43521		2 p N	LCI-W
6815 Mutchler	2.4384	0.09	3− B?	
6818 Sessyu	3.0717	0.10	2+ A	
6821 Ranevskaya	2.81	0.10	2+	
6823 1988 ED_1	2.546	0.10−0.30	3	
6825 Irvine	3.61588	0.58−0.85	3 p	
6827 Wombat	40.132	0.25−0.34	2	SWF
6829 Charmawidor	27.824	0.28	2	SWF
6830 Johnbackus	S 4.93137		2 p N	LCI-W
6835 Molfino	3.690	0.25	2	SWF
6837 Bressi	S 5.74145		2 p N	LCI-W
6838 Okuda	8.983	0.14−0.34	2+	
6840 1995 WW_5	482.274	0.46	2	SWF
6842 Krosigk	25.1212	0.15	2	DWF
6843 Heremon	8.2865	0.13−0.16	3	
6844 Shpak	225.32	0.75	2	DWF
6845*Mansurova	21.33	0.22−0.36	2+	
6847 Kunz–Hallstein	6.4030	0.27−0.31	3	
6848 Casely–Hayford	6.05	0.26	2	SWF
6849 Doloreshuerta	6.256		2−	SWF
6851 Chianti	6.635	1.11	3	
6852 Nannibignami	3.025	0.47	2	SWF
6853 Silvanomassaglia	2.796	0.12	2	
6854 Georgewest	3.64	0.66	2	SWF
6859*Datemasamune	5.944	0.06−0.12	2	
6861 1991 FA_3	19.466	0.41−0.42	2	SWF
6867*Kuwano	7.367	0.48−0.70	3	
6870 Pauldavies	4.487	0.50−0.68	3	
6876*Beppeforti	51.	0.18	2	
6877 Giada	4.1745	0.47	3	
6878 Isamu	4.755		2−	SWF
6882 Sormano	3.690	0.71	2 p	SWF
6883 Hiuchigatake	5.508	0.43	2	SWF
6884 Takeshisato	S 51.0731		2 p N	LCI-W
6886*Grote	5.755	0.05−0.11	3	
6887 Hasuo	2.752	0.18	2	SWF
6897 Tabei	5.862	0.43	3	
6901 Roybishop	4.766	0.04−0.09	2 AB?	
6902 Hideoasada	73.341	0.36−0.68	2	SWF
6905 Miyazaki	2.7418	0.14	3 p	
6911 Nancygreen	54.7	0.35−0.75	3− T0	
6915*1992 *RH*	4.76345	0.42−0.61	3 p	
6916 Lewispearce	23.497	0.25	2	SWF
6918 Manaslu	8.97	0.21	2	SWF
6919 Tomonaga	5.5405	0.28	2	DWF
6921*Janejacobs	5.062	0.79−1.20	3	
6922 Yasushi	3.434		2−	SWF
6923 Borzacchini	S 6.55174		2 p N	LCI-W
6924 Fukui	38.6172	0.10	2	DWF
6925 Susumu	52.7947	0.17	2	DWF
6929 Misto	4.248	0.11	2−	
6930 1994 VJ_3	83.225		2−	SWF
6931 Kenzaburo	3.70053	0.15	2	DWF
6932 Tanigawadake	3.79	0.42−0.45	2+	SWF
6933 Azumayasan	7.78	0.16	3−	
6938 Soniaterk	8.33	0.29	2	
6939*Lestone	2.821	0.20−0.26	2	SWF
6941 Dalgarno	12.2146	0.25	2	DWF
6943 Moretto	2.8221	0.19	3	
6944 Elaineowens	2.91280	0.16−0.18	3	
6946 1980 RX_1	15.1044	0.18	2	DWF
6948 Gounelle	12.115		2−	SWF
6949*Zissell	3.6336	0.21−0.24	3	
6950*Simonek	3.083	0.07−0.11	2	SWF
6952 Niccolò	12.5320	1.10	3−	
6956 Holbach	4.463	0.49	2	SWF
6961 Ashitaka	3.1457	0.13−0.15	3−	
6965 Niyodogawa	6.36	0.28	2	SWF
6966 Vietoris	2.773	0.09	1	SWF
6969 Santaro	D flat	0.01		

Planet	Period	Variation	Note	Survey
6970 Saigusa	56.704		2−	SWF
6971 Omogokei	4.421		2	SWF
6972 Helvetius	16.35	0.33	2	
6974*Solti	2.423	0.01−0.16	3	
6976 Kanatsu	4.025	0.33−0.35	3	
6979 Shigefumi	S 12.10795		2 p N	LCI-W
6980 Kyusakamoto	3.253	0.40−0.41	2	SWF
6982 Cesarchavez	16.08	0.10	2	
6983 Komatsusakyo	>2.35	>0.49		SWF
6984*Lewiscarroll	24.65	0.10−0.16	2 A	
6987 Onioshidashi	S 35.6657		2 p N	LCI-W
6990 Toya	15.622	0.43	2 p	SWF
6992 Minano–machi	>24.	>0.10	1	
6995 Minoyama	125.335	0.76	2	SWF
7001 Noether	9.5809	0.65−0.70	3 p	
7002 Bronshten	2.67025	0.13−0.14	3 B	
7004 Markthiemens	6.025		2−	SWF
7005 Henninghaack	12.914	0.76	2	SWF
7007 Timjull	3.551	0.30−0.31	2	SWF
7010 Locke	6.77685	0.88	2	DWF
7011 Worley	6.419	0.12	2	SWF
7012*Hobbes	8.938	0.38−0.48	2	SWF
7016 Conandoyle	6.5427	0.82	3	
7019*Tagayuichan	>30.	0.49	2−	
7020 Yourcenar	10.18	0.37	2−	
7021 Tomiokamachi	6.26741	0.55	2	DWF
7022 1992 JN_4	5.517	0.32	2 p	SWF
7023 Heiankyo	10.807	0.48−0.58	3	
7025 1993 QA	2.5057	0.32−0.50	3	
7027 Toshihanda	36.304	0.28−0.30	3− B	
7028 Tachikawa	10.489	0.23−0.24	2	SWF
7029 1993 XT_2	10.	0.47	2	
7030*Colombini	6.5937	0.05−0.47	3	
7033 1994 WN_2	2.8162	0.09−0.10	3	
7034 1994 YT_2	2.55477	0.06	2	DWF
7035 Gomi	62.897	0.09	1	SWF
7036 Kentarohirata	11.283	0.58−0.79	3	
7038 Tokorozawa	160.044	0.60	2	SWF
7041 Nantucket	4.30	0.11	1	
7043*Godart	8.4531	0.68−0.75	3 p	
7046 Reshetnev		0.31	N	
7055 Fabiopagan	4.16845	0.55−0.59	3 p	
7059 Van Dokkum	4.620	0.71	2	SWF
7062 Meslier	4.012	0.22	2	SWF
7066 Nessus		0.5		
7072 Beijingdaxue	5.304	0.99	2 p	SWF
7073 Rudbelia	7.15587	0.37	2	DWF
7077 Shermanschultz	4.860	0.20−0.22	2	SWF
7080 1986 RS_1	2.826		2	SWF
7081*Ludibunda	2.885	0.08	2+	
7084*1991 BR	5.308	0.19−0.57	2	SWF
7085 1991 PE	3.615	0.24	2	SWF
7086 Bopp	29.15	0.10−0.16	2+	
7087 Lewotsky	3.942	0.12−0.51	3	
7088 Ishtar	2.6790	0.11	3 B	
7089 1992 FX_1	3.036	0.06	2	
7090 1992 HY_4	9.074	0.48	2	SWF
7098 Réaumur	228.89	0.61	2	DWF
7103 Wichmann	54.5889	0.27	2	DWF
7105 Yousyozan	3.180		2	SWF
7106 Kondakov	S 7.59690		2 p N	LCI-W
7109 Heine	25.6694	0.43	2	DWF
7111 1985 QA_1	11.21	0.21	3−	
7116 Mentall	6.489	0.11	2+	
7119 Hiera	>400.	>0.1	1	
7120 Davidgavine	2.868	0.18	2	SWF
7122 Iwasaki	>96.	>0.6	2 HN	DWF
7124 Glinos	29.310	0.42	2	SWF
7126 Cureau	81.407		2	SWF
7131 Longtom		0.1	N	
7132 Casulli	3.524	0.15−0.25	3−	
7133 Kasahara	8.845	0.20−0.37	3	
7134 Ikeuchisatoru	>20.	>0.15	2	
7136 Yokohasuo	9.74698	0.07	2 1	DWF
7138 1994 AK_{15}	145.264	0.26	2	SWF
7139 Tsubokawa	2.756	0.16−0.20	2	SWF
7142 Spinoza	12.375	0.57−0.61	2 p	SWF
7143*Haramura	3.664	0.13−0.17	3−	
7144 Dossobuono	3.4685	0.19	2+	
7145 Linzexu	2.905	0.10	2+	

Planet	Period	Variation	Note	Survey
7147 Feijth	5.318	0.06	1	SWF
7148*Reinholdbien	11.9518	0.41−0.44	3−	DWF
7151*1971 SX_3	5.072	0.51−0.84	3	
7152 Euneus	9.73	0.09	2	
7153 Vladzakharov	105.143	0.76	2	SWF
7157 Lofgren	34.191		2−	SWF
7160 Tokunaga	5.1352	0.13	3−	
7163 Barenboim			3 N	
7166 Kennedy	3.659	0.52	2 p	SWF
7167 Laupheim	7.040	0.31	2	SWF
7169*Linda	S 27.864	0.64−0.88	2 p	
7170 Livesey	7.55049	0.52	2	DWF
7172 Multatuli	3.357		2−	SWF
7173 Sepkoski	2.5006	0.09−0.20	3	
7174*Semois	7.456	0.28−0.38	2+	
7177 1990 TF	3.29372	0.37	2	DWF
7181 1991 PH_{12}	206.688	0.50	2	SWF
7182 Robinvaughan	S 8.81110		2 p N	LCI-W
7183 1991 RE_{16}	275.754	0.46−0.55	2	SWF
7186 Tomioka	7.309	0.13	2	
7187 Isobe	4.2432	0.09−0.22	3 B	
7188*Yoshii	260.	0.42−0.49	1+	
7189 Kuniko	2.922	0.15	2	SWF
7192 Cieletespace	6.3546	0.44−0.57	2+ p	
7193*Yamaoka	32.580	0.51−0.53	2	SWF
7194 Susanrose	4.72483	0.24	2	DWF
7195 Danboice	8.67	0.16	1+	SWF
7196 Baroni	6.604	0.74	2	SWF
7197 Pieroangela	8.56051	1.04	2	DWF
7201 Kuritariku	S 48.849		2 p N	LCI-D
7202 Kigoshi	36.7723	0.44	2	DWF
7203 Sigeki	11.420	0.24−0.33	2	SWF
7204 Ondřejov	5.233	0.55	2	SWF
7209 Cyrus	5.381	0.34	2	SWF
7210 Darius	6.237	0.29	2	SWF
7211*Xerxes	13.5718	0.58	2 p	DWF
7213 Conae	5.3855	0.70	3	
7216 Ishkov	10.958	0.12−0.13	2	SWF
7218 Skácel	7.56	0.32	2	SWF
7225*Huntress	2.43995	0.07−0.11	3 B	
7229 Tonimoore	4.	0.37	2	
7230*Lutz	5.691	0.18−0.25	3	
7233 Majella	3.812	0.60−0.66	3 p	
7235 Hitsuzan	12.6537	0.13	2	DWF
7238 Kobori	S 17.2242		2 p N	LCI-W
7241 Kuroda	59.6	0.61	2 H	DWF
7243 1990 VV_3	9.300	0.68	2	SWF
7244*Villa–Lobos	35.029	0.83	2	SWF
7246 1991 RP_{25}	3.96282	0.13	2	DWF
7247*Robertstirling	3.17	0.08−0.15	3−	
7255 1993 VY_1	9.022	0.13−0.18	3	
7259 Gaithersburg	19.7581	0.24	2	DWF
7262 Sofue	8.2223	0.46	3	
7264 Hirohatanaka	S 97.812		2 p N	LCI-W
7267*Victormeen	3.0420	0.14−0.24	3	
7270 Punkin	7.51	0.45−0.55	2+	SWF
7271 Doroguntsov	4.02	0.20	2	SWF
7272 Darbydyar	30.334	0.33	2	SWF
7278 Shtokolov	170.949	0.46	2	DWF
7281 1988 RX_4	16.7	0.13	2	
7282 1989 BC	4.6481	0.50	2	DWF
7283*1989 TX_{15}	2.6747	0.13−0.19	3	
7285 Seggewiss	3.460	0.52	3 p	
7286 1990 QZ_4	44.6331	0.07	2	DWF
7288 1991 FE_1	4.890	0.47	2	SWF
7289 Kamegamori	3.831	0.73	2 p	SWF
7290 Johnrather	91.2242	0.99	2	DWF
7291 Hyakutake	198.743	0.44	2	DWF
7292 Prosperin	S 5.58891		2 p N	LCI-W
7295 Brozovic	3.3471	0.56−0.66	3	
7299*Indiawadkins	10.381	0.17−0.19	2	SWF
7301 Matsuitakafumi	2.513	0.30	2	
7302 1993 CQ	3.275	0.19	2	SWF
7304 Namiki	8.8712	0.30−0.95	3 p	
7305 Ossakajusto	15.3838	0.23	3−	
7307 Takei	1.37351	0.13	2	DWF
7313 Pisano	2.63	0.29	2	SWF
7314 Pevsner	143.018		2−	SWF
7317 Cabot	2.237	0.10	1	SWF
7318 Dyukov	4.856	0.63	2 p	SWF

Planet	Period	Variation	Note	Survey
7321 Minervahoyt	83.177	0.83	2 p	SWF
7324 Carret	11.3005	0.37	2	DWF
7326*Tedbunch	76.40	0.46	2 T	
7328 Casanova	9.122	0.31	2	SWF
7329 Bettadotto	8.99078	0.14	2	DWF
7330*Annelemaître	4.438	0.13−0.32	3	
7331 Balindblad	16.3	0.18	1+	
7333 Bec–Borsenberger	12.727	0.88	3 p	
7334 Sciurus	4.0659	0.28	3	
7335 1989 *JA*	<12.		RN	
7336*Saunders	4.307	0.14−0.31	3	
7338 1990 VJ_3	6.38979	0.35	2	DWF
7339 1991 RA_{16}	8.936	0.24−0.28	2	SWF
7340 1991 UA_2	10.697	0.76	2	SWF
7341 1991 *VK*	4.2096	0.21−0.70	3	
7343 Ockeghem	3.7547	0.14−0.23	3 p	
7344 Summerfield	2.58975	0.17	3 B	
7348 1993 FJ_{22}	3.47	0.10−0.13	2	SWF
7350 1993 *VA*	3.58264	0.15−0.38	3	
7352 1994 *CO*	648.	0.30	3− T	
7354 Ishiguro	6.224	0.14	2	SWF
7355 Bottke	2.6361	0.21	2	
7356*Casagrande	2.87377	0.04−0.09	1	DWF
7358 Oze	5.433	0.07−0.22	2−	
7360 Moberg	4.5842	0.38−0.41	3 p	
7361 Endres	5.879	0.59−0.75	2	SWF
7364 Otonkučera	>4.37	>0.10		SWF
7365 Sejong	2.5802	0.07−0.13	2 A	
7366 Agata	228.903	0.88	2	DWF
7368 Haldancohn	3.90337	0.14	3−	
7369*Gavrilin	49.12	0.21−0.25	3 B	
7370 Krasnogolovets	4.901	0.34	2	SWF
7372 Emimar	2.564	0.19	2	SWF
7373 Stashis	>30.	>0.6	2−	SWF
7380 1981 *RF*	4.37	0.48−0.50	3−	SWF
7385 Aktsynovia	4.123	0.32−0.34	3−	
7388 Marcomorelli	46.4342	0.41	2	DWF
7389 Michelcombes		0.10	N	
7393 Luginbuhl	2.68763	0.10	3 B	
7394 Xanthomalitia	12.8049	0.09	2	DWF
7395*1985 RP_1	64.8	0.64−0.71	2 T	
7396 Brusin	3.079		2	SWF
7397*1986 *QS*	2.864	0.29	2	
7403*Choustník	4.5298	0.62	2 p	DWF
7409 1990 *BS*	31.610	0.20	2	
7415 Susumuimoto	11.71	0.51	2−	SWF
7418 Akasegawa	15.1857	0.03	2	DWF
7419 1991 PN_{13}	>20.	>0.1	1	
7421 Kusaka	96.5	0.58−0.70	2 T	
7422 1992 *LP*	81.493	0.51	2	SWF
7424 1992 PS_6	2.62723	0.14	2	DWF
7428 Abekuniomi	S 86.553		2 p N	LCI-W
7429 Hoshikawa	>20.	>0.65	2	
7430 Kogure	335.9	0.57	2 T	
7432 1993 HL_5	S 6.95710		2 p N	LCI-W
7436 Kuroiwa	5.610	0.07	2	
7437 Torricelli	13.72	0.41	1 DA	SWF
7439 Tetsufuse	4.48888	0.71	2	DWF
7440*Závist	7.436	0.55−0.56	2	SWF
7445 Trajanus	S 6.10802		2 p N	LCI-W
7446 Hadrianus	3.402	0.67	3	
7449 Döllen	10.	0.10	2−	
7450 Shilling	178.524	0.99	2	DWF
7452 Izabelyuria	11.79	1.1	2	SWF
7454 Kevinrighter	4.01	0.59	2−	
7455 Podosek	52.346		2	SWF
7456 Doressoundiram	14.786	0.35−0.37	2	SWF
7457*Veselov	S 12.2002		2 p N	LCI-W
7458 1984 DE_1	16.7	0.30−0.33	2 p	SWF
7461 Kachmokiam	10.67	0.30	2−	SWF
7467 1989 WQ_1	7.633	0.40	3	
7471 1991 *YD*	19.150	0.48	2	SWF
7473 1992 EC_4	31.591		2−	SWF
7474 1992 *TC*	5.540	0.07	2	
7476*Ogilsbie	3.92	0.30−0.40	3	
7477 1993 *LC*	74.240	0.85−1.09	2 p	SWF
7479 1994 EC_1	4.926	0.27	2	SWF
7480 Norwan	35.90	>0.5	2 T0	
7481 San Marcello	1.4	0.08	1 N	
7482 1994 PC_1	2.5999	0.29−0.38	3	
7484 Dogo Onsen	6.237	0.53−0.75	2	SWF
7485 Changchun	10.234	0.31−0.39	3−	
7487 Toshitanaka	4.505	0.24	3−	
7488*Robertpaul	42.922	0.74−1.00	2	SWF
7489 Oribe	112.666	0.80	2	SWF
7494 Xiwanggongcheng	21.849	0.52	2	SWF
7496 Miroslavholub	17.87	0.14	2	
7497 Guangcaishiye	85.6	0.80	2+	
7505 Furusho	4.139	0.52−0.75	3 p	
7509*Gamzatov	249.	0.66−0.75	3− T0	
7510 1978 UF_6	5.380	0.16−0.19	2	SWF
7516 Kranjc	3.96769	0.15−0.18	3	
7517*Alisondoane	9.701	0.14−1.13	3 p	
7519 Paulcook	41.004		2	SWF
7520 1990 *BV*	3.83	0.26−0.32	3−	
7521 1990 QS_2	5.040		2	SWF
7522*1991 *AJ*	60.405	0.20−0.29	2	SWF
7525 Kiyohira	6.385	0.06	1	SWF
7526 Ohtsuka	7.109	0.16	3−	
7527*Marples	9.091	0.36−0.46	3−	
7529 Vagnozzi	36.38	0.94	2	
7530 Mizusawa	5.6424	0.10−0.15	2	
7531 Pecorelli	3.34	0.54−0.59	3− p	SWF
7535 1995 WU_2	S 4.589353		2 p N	LCI-W
7537 Solvay	9.276	0.31	2	SWF
7541 Nieuwenhuis	3.809	0.18	2	SWF
7543 Prylis	17.80	0.10	2	
7544 Tipografiyanauka	24.609		2	SWF
7545 Smaklösa	14.322	0.75−0.92	3	
7548 Engström	5.231	0.35	2	SWF
7549 Woodard	15.5899	0.65	2	DWF
7550*Woolum	3.142	0.27−0.33	3−	
7553 Buie	4.245	0.51−0.53	2	SWF
7557 1982 FK_3	5.650	0.34	3	
7558 Yurlov			3 3	
7559 Kirstinemeyer	5.475	0.05	2 A	
7560 Spudis	3.5449	0.10−0.38	3	
7563 1988 *BC*	6.539	0.24−0.30	3	
7564 Gokumenon	30.58	0.65	3	
7567 1988 TC_1	131.145	0.74	2	DWF
7569 1989 *BK*	3.60	0.15	2	
7579 1990 TN_1	18.316	0.91−1.15	3	
7582 1990 *WL*	207.839	1.03	2	DWF
7583 Rosegger	7.661	0.45	2	SWF
7584 Ossietzky	2.726	0.21	2	SWF
7585 1991 PK_8	S 9.47919		2 p N	LCI-W
7588 1992 FJ_1		0.21	N	
7590 Aterui	S 5.58993		2 p N	LCI-W
7592 Takinemachi	2.87822	0.06	2	DWF
7593 1992 WP_4	2.557	0.12−0.17	3	
7594 Shotaro	9.643	0.26	2	SWF
7601 1994 US_1	3.74	0.39	3−	
7602 Yidaeam	2.909	0.29	2	SWF
7603*Salopia	180.278	0.30	2−	DWF
7611 Hashitatsu	9.806	0.17	2	SWF
7616*Sadako	11.0148	0.21	2 p	DWF
7618 Gotoyukichi	2.984	0.26	2	SWF
7629 Foros	3.083		2−	SWF
7632 Stanislav	S 5.29073		2 p N	LCI-D
7636 Comba	194.277	0.25	2	DWF
7638 Gladman	17.3	0.25−0.50	2	
7640 Marzari	21.3102	0.21	2	DWF
7641 1986 TT_6	27.770	0.40	3	
7644*Cslewis	2.31	0.16−0.22	2−	
7645 Pons	35.390	0.65−0.73	2	SWF
7650 Kaname	18.172	0.49	2 p	SWF
7651 Villeneuve	132.721	0.34	2	DWF
7652 1991 RL_5	S 5.251978		2 p N	LCI-W
7655 Adamries	22.876	0.33	2	SWF
7658 1993 BM_{12}	2.38	0.15	2	SWF
7660 Alexanderwilson	5.924	0.32−0.86	3 p	
7662 1994 RM_1	80.3108	0.38	2	DWF
7663 1994 RX_1	102.06	0.34	2	SWF
7665 Putignano	3.536		2−	SWF
7667 1995 BL_3	15.3	0.23	2	
7673 Inohara	3.40	0.23	2−	
7676 1995 WN_8	21.61	0.19	2+	
7677 Sawa	3.00	0.23	2	SWF
7681 Chenjingrun	555.17	0.33	2	DWF
7684 Marioferrero	17.296	0.44	2	SWF

Planet	Period	Variation	Note	Survey
7690 Sackler	S 7.76925		2 p N	LCI-W
7693 Hoshitakuhai	3.05456	0.24	2	DWF
7694*Krasetín	117.755	0.92−0.93	3−	
7695 Přemysl	11.734	0.25	2+	
7696 Liebe	13.889	0.43−0.44	2	SWF
7706 Mien	3.392		2	SWF
7707 Yes	4.971	0.68	2	SWF
7708*Fennimore	18.64	>0.3	2− DA	SWF
7709 1994 RN_1	9.44789	0.10	2	DWF
7710 Ishibashi	11.521	0.49−0.54	2	SWF
7713 Tsutomu	2.906	0.27	2	SWF
7715 Leonidarosino	5.0019	0.31	3−	
7718 Desnoux	19.	>0.05	1	
7719 1997 GT_{36}	29.555	0.31	2	
7723 Lugger	4.83445	0.25	2	DWF
7725 Sel′vinskij	24.8856	0.05	2	DWF
7727 Chepurova	145.741	0.69	2	DWF
7728 Giblin	11.8	0.60−0.63	2	SWF
7729*Golovanov	3.3961	0.27−0.37	3	
7732 1978 VE_9	S 3.396852		2 p N	LCI-W
7735*Scorzelli	7.50448	0.38−0.84	2	DWF
7736 Nizhnij Novgorod	2.858	0.16	3−	
7737 Sirrah	4.49	0.08	3−	SWF
7740 Petit	6.903	0.54	2	DWF
7741 Fedoseev	14.074	0.12	2+	
7742 Altamira	2.70	0.11	2	SWF
7743 1986 JA	146.8	0.93	3− T?	
7745 1987 DB_6	7.04	0.89−1.18	3	
7747 Michałowski	4.50	0.44−0.51	2	SWF
7748 1987 TA	4.22	0.15	3−	
7749 Jackschmitt	5.337	0.20	3−	
7750*McEwen	27.8182	0.35−0.65	3	
7751 1988 UA	9.36	0.74−0.85	3−	SWF
7755 Haute–Provence	S 7.07529		2 p N	LCI-W
7757 Kameya	5.98	0.11	2 A	
7758 Poulanderson	2.64752	0.14−0.15	3 B?	
7759*1990 QD_2	3.571	0.44	3	
7760 1990 RW_3	25.940	0.32−0.35	3	
7761 1990 SL	2.9525	0.42−0.45	3	
7766 Jododaira	12.6298	0.29	2	DWF
7767 Tomatic	25.070	0.13	2	SWF
7774 1992 UU_2	3.869	0.33−0.54	3−	
7776 Takeishi	8.90	0.05	1	
7777 Consadole	>1.13	>0.05		SWF
7778*Markrobinson	7.230	0.64−0.80	3	
7780 Maren	22.321	0.43	2	SWF
7781 Townsend	81.1	0.58	3− T-	
7783 1994 JD	31.83	0.85	3 p	
7784 Watterson	2.539	0.10	3−	
7785 1994 QW	S 82.484		2 p N	LCI-W
7790 Miselli	2.708	0.48−0.61	2	SWF
7792 1995 WZ_3	3.16001	0.21	3	
7795 1996 AN_{15}	14.884		2−	SWF
7797 Morita	3.9288	0.28	2	
7799 Martinšolc	10.0143	0.11	2	DWF
7803*Adachi	5.197	0.17−0.31	2	SWF
7808 Bagould	13.295	0.14	2	SWF
7811 Zhaojiuzhang	3.354	0.62−0.67	2 p	SWF
7813*Anderserikson	13.277	0.23	3	
7814 1986 CF_2	49.8281	0.12	2	DWF
7816 Hanoi	5.17	0.72−0.77	3−	
7818 Muirhead		0.1	N	
7822*1991 CS	2.3896	0.26−0.46	3	
7824 Lynch	75.30	0.37	3 T0	
7825 1991 TL_1	>10.	>0.05	2	
7829 Jaroff	4.398	0.50−0.67	3	
7831*François–Xavier	9.940	0.18−0.20	2	SWF
7832 1993 FA_{27}	8.295	0.03	2	
7834*1993 JL	15.77	0.12−0.31	2+	
7835 Myroncope	S 7.43019		2 p N	LCI-W
7837 Mutsumi	S 14.30442	0.40	2 p N	LCI-W
7846 Setvák	2.613	0.11−0.14	2	SWF
7853 Confucius	26.638	0.47	2	SWF
7857 Lagerros	3.0769	0.17	3−	
7859*Lhasa	S 10.70350		2 p N	LCI-W
7862 Keikonakamura	18.849		2	SWF
7863 Turnbull	8.905		2−	SWF
7867 Burian	53.239		2	SWF
7870 1987 UP_2	12.	0.06−0.07	1	
7875 1991 ES_1	20.046	0.36	2	SWF
7879 1992 EX_{17}	3.634	0.32	2	SWF
7888 1993 UC	2.337	0.10−0.22	2+ B	
7889 1994 LX	2.741	0.27−0.39	3	
7893 1994 XY	3.42573	0.09	2	DWF
7894 Rogers	3.29261	0.21	2	DWF
7895 Kaseda	5.11	0.10	2+	
7896 Švejk	S 16.20582		2 p N	LCI-W
7898 Ohkuma	131.322	0.60	2	SWF
7899 Joya	S 85.658		2 p N	LCI-W
7902 Hanff	7.427		2	SWF
7905 Juzoitami	2.728	0.66	2 p	SWF
7910 Aleksola	6.41852	0.13	2	DWF
7914*1978 UW_7	2.8467	0.15−0.24	2+	
7920 1981 XM_2	2.596	0.15	2	SWF
7922 Violalaurenti	4.830	0.30	2	SWF
7923 Chyba	5.716	0.19−0.23	2	SWF
7927 Jamiegilmour	S 7.18979		2 p N	LCI-W
7929 1987 SK_{12}	2.97	0.28	2	SWF
7930 1987 VD	D long?	<0.1	1	
7932 Plimpton	3.806		2−	SWF
7933 Magritte	3.26	0.38	2+	
7934 Sinatra	110.652	1.04	2	DWF
7936 Mikemagee	7.834	0.84	2	SWF
7937 1990 QA_2	6.23	0.54	3	SWF
7941 1991 NE_1	>0.88	>0.04		SWF
7943 1991 PQ_{12}	>2.00	>0.20		SWF
7945 Kreisau	5.6825	0.42	2	DWF
7946 1991 RV_{13}	51.343	0.23	2	SWF
7949 1992 SU	17.91	0.20	2	
7954 Kitao	129.5	0.78	2+ T	
7958 Leakey	2.34843	0.19−0.22	3 B	
7959 Alysecherri	3.540	0.12−0.13	3−	
7964 1995 DD_2	10.224	0.84	2 p	SWF
7965*Katsuhiko	5.3897	0.26−0.50	3	
7966 Richardbaum	4.680	0.81−0.87	3	
7968 Elst–Pizarro	3.471	0.33	3	
7975 1974 FD	5.739	0.55	2	SWF
7977 1977 QQ_5	7.456	0.25−0.57	3	
7979 Pozharskij	3.772	0.16−0.20	2	SWF
7980 Senkevich	10.39	0.36−0.41	2+	SWF
7983 Festin	5.562	0.53−0.64	2	SWF
7984 Marius	3.534	0.15	2	SWF
7994 Bethellen	164.598		2−	SWF
7996 Vedernikov	5.828	0.09−0.14	2	
7997 1985 CN_1		<0.2	P	
7998 Gonczi	6.50	0.58−0.88	3−	SWF
8000 Isaac Newton	12.4992	0.39	2	DWF
8005 Albinadubois	4.53292	0.27	2	DWF
8007 1988 RU_6	3.918	0.24	2	SWF
8008 1988 TQ_4	12.2	0.02	1	
8011 Saijokeiichi	4.499	0.19	2	SWF
8013 Gordonmoore	8.40	0.25	2 A	
8017 1990 RM_5				SWF
8021 Walter	4.84	0.07	2 A	
8022 Scottcrossfield	4.003	0.33	2	SWF
8024 Robertwhite	7.067	0.90−0.95	3	
8025 Forrestpeterson	4.089	0.38	2	SWF
8026 Johnmckay	372.	0.66−1.00	3 T0B?	
8028 Joeengle	9.1	0.35	2	
8030 Williamknight	186.062	0.50	2	DWF
8033 1992 FY_1	10.099	0.14	3−	
8034 Akka	7.283	0.46−0.52	2 A	
8037 1993 HO_1	12.98	0.09−0.1	2+	
8040 Utsumikazuhiko	237.107	0.60	2	DWF
8041 Masumoto	34.0	0.27−0.39	2	
8042 1994 AX_2	8.133	0.42−0.46	2	SWF
8043 Fukuhara	S 22.7606		2 p N	LCI-D
8044 Tsuchiyama	S 8.82006		2 p N	LCI-W
8048 Andrle	3.61272	0.37	2	DWF
8051 Pistoria	12.3902	0.18	2	DWF
8053 Kleist	4.172	0.73	2	SWF
8054 Brentano	623.770	0.46	2	SWF
8057 Hofmannsthal	5.65	0.10	2	SWF
8058 Zuckmayer	4.80	0.13	2	SWF
8059*Deliyannis	6.004	0.34−0.39	3−	
8060 Anius	6.47686	0.19	2	DWF
8062 Okhotsymskij	5.282	0.48−0.49	3	
8064 Lisitsa	206.5	0.12	2	DWF
8066 Poldimeri	S 18.420		2 p N	LCI-W
8069 Benweiss	40.891		2	SWF

Planet	Period	Variation	Note	Survey
8073 Johnharmon	27.177	0.31	2	
8074 Slade	6.77306	0.27	2	DWF
8077*Hoyle	2.7454	0.14−0.30	3 B	
8078 Carolejordan	3.5	0.78	2	
8080 Intel	3.54	0.31−0.34	3−	SWF
8083 Mayeda	11.75	0.76	2+	
8085 1989 CD_8	7.75	0.20	2 p	
8086*Peterthomas	8.118	0.24−0.27	2	SWF
8088 Australia	2.76999	0.07	2	DWF
8089*Yukar	3.6073	0.11	2+	
8091 1992 BG	8.5630	1.09−1.11	3 p	
8098 Miyamotoatsushi	5.240	0.03	1	SWF
8099 1993 TE	14.7387	0.26	2	DWF
8102 Yoshikazu	3.34	0.28	1+	SWF
8103*Fermi	5.262	0.18−0.19	2	SWF
8107 1995 BR_4	6.9785	0.37	3	
8108 Wieland	S 28.5696		2 p N	LCI-W
8109 Danielwilliam	789.979	0.60	2	SWF
8110 Heath	3.171	0.08	1	SWF
8111 Hoepli	17.489	0.23	2	SWF
8115 Sakabe	6.062		2	SWF
8116 Jeanperrin	3.61692	0.09−0.10	3 B	
8117 Yuanlongping	>5.40	>0.07		SWF
8120 Kobe	5.86	0.69−0.74	3	SWF
8121 Altdorfer	4.022	0.34	2	SWF
8123 Canaletto	3.6249	0.59	2	DWF
8128 Nicomachus	4.67	0.48−0.57	2+	SWF
8130 Seeberg	38.10	0.23−0.42	3− T?	
8132*Vitginzburg	7.28	0.36−0.47	3 p	
8133 Takanochoei	18.773	0.39	2	SWF
8135 1978 VP_{10}	5.2	0.3	2	
8138 1980 FF_{12}	3.206	0.10−0.13	2	SWF
8139 Paulabell	20.4614	0.14	2	DWF
8140 Hardersen	S 18.4172		2 p N	LCI-W
8141*Nikolaev	366.9	0.69	2+ T0	
8142 Zolotov	4.323		2−	SWF
8146*Jimbell	5.3631	0.15−0.33	3	
8151 Andranada		0.04	N	
8152 Martinlee	6.38	0.30	2+	
8157 1988 XG_2	S 8.51876		2 p N	LCI-W
8159 Fukuoka	5.400	0.19	2−	
8160 1990 MG	3.719	0.38	2	SWF
8161 Newman	7.003	0.41	2	SWF
8162 1990 SK_{11}	2.224	0.08	1	SWF
8163 Ishizaki	3.243	0.32	2	SWF
8164 Andreasdoppler	6.175	0.29	2	SWF
8165 Gnädig	6.300	0.57	2	SWF
8173 1991 RX_{23}	104.128	0.74	2	SWF
8176 1991 WA	7.111	0.80−0.99	3 N	
8180 1992 PY_2	13.014	0.24	3	
8181 Rossini	13.253	0.49	2 p	SWF
8183 1992 UE_3	>1.97	>0.05		SWF
8187 Akiramisawa	5.815	0.90	2	SWF
8189 Naruke	8.91	0.36	2	
8190 Bouguer	6.842	0.33	2	SWF
8195*1993 UC_1	7.8615	0.22−0.33	3	
8198 1993 VE_2	6.09146	0.67	2	DWF
8201*1994 AH_2	23.949	>0.3	2	
8202 Gooley	9.514	0.41	2	SWF
8209*Toscanelli	3.618	0.22−0.36	2	SWF
8210 NANTEN	43.3718	0.21	2	DWF
8212 Naoshigetani	8.69	0.03	1	
8213 1995 FE	2.911	0.38−0.44	3	
8217 Dominikhašek	6.91	0.69	2	SWF
8218 Hosty	3.242		2	SWF
8223 Bradshaw	9.408	0.54	2 p	SWF
8225 Emerson	5.206	0.42−0.43	2	SWF
8226 1996 TF_7	38.5892	0.46	2	DWF
8228 1996 YB_2	8.353	0.18	3	
8229 Kozelský	4.19218	0.39	2	DWF
8233 Asada	20.9864	0.79	2	DWF
8234 Nobeoka	33.090	0.49	2	SWF
8241 Agrius	17.89	0.23−0.28	2+ H	
8245 Molnar	4.716	0.30−0.37	2	SWF
8246 Kotov	46.633		2	SWF
8250 Cornell	S 7.04109		2 p N	LCI-W
8252*Elkins–Tanton	14.15	0.14−0.37	2	
8253*Brunetto	15.2308	0.33	2 A	DWF
8256 Shenzhou	3.395	0.30−0.45	3	
8259 1983 UG	6.951	0.61	2	SWF
8261 Ceciliejulie	14.009	0.42−0.43	2 p	SWF
8270 Winslow	6.37	0.69−0.77	3	
8272 Iitatemura	3.11743	0.35	3−	
8275 Inca	272.926	0.13	2	DWF
8281 1991 PC_{18}	12.635	0.71	2 p	SWF
8290 1992 NP	4.453	0.58	3−	
8292*1992 SU_{14}	S 19.802		2 p N	LCI-W
8295 Toshifukushima	2.88696	0.21	2	DWF
8297 Gérardfaure	>10.	>0.15	1	
8304 Ryomichico	14.631		2−	SWF
8306 Shoko	3.3503	0.10−0.13	3 B	
8307 Peltan	20.4438	0.14	2	DWF
8309 1996 NL_1	19.76	0.16	2+	
8316 Wolkenstein	4.57	0.40−0.42	2	SWF
8323*Krimigis	3.778		3−	
8325 Trigo–Rodriguez	32.25	0.20	2−	SWF
8337 1984 SF_6	4.060	0.21	2	SWF
8338 Ralhan	5.2745	0.44−0.62	3	
8340 Mumma	3.1902	0.21	2	DWF
8345 Ulmerspatz	17.13	0.47−1.05	3−	
8348 Bhattacharyya	19.60	0.06−0.10	2− A	
8350 1989 AG	5.04682	0.78	2	DWF
8354 1989 RF	8.298	0.57−0.59	2 p	SWF
8355*Masuo	6.0677	0.18−0.43	3	
8356 Wadhwa	3.04303	0.11−0.15	3	
8359 1989 WD	2.89111	0.34−0.70	3 p	
8360*1990 FD_1	8.094	0.17−0.26	3	
8361 1990 JN_1	3.601	0.75	2	SWF
8364 1990 RE_5	2.65214	0.34	2	DWF
8366 1990 UL_1	10.82	0.24	2	SWF
8369 Miyata	2.7368	0.22−0.34	3	
8370 Vanlindt	6.250	0.39	2	SWF
8371 Goven	20.8825	0.42	2	DWF
8373 Stephengould	4.435	0.24−0.39	3 B	
8376 1992 OZ_9	16.763	0.39	2+	
8378 Sweeney	>12.	>0.05	1	
8380 Tooting	36.929	0.56−0.72	3 p	
8382 Mann	67.133	0.48	2	SWF
8388 1993 FO_6	9.162		2−	SWF
8389 1993 FT_{37}	9.966	0.67	2	SWF
8390 1993 FE_{48}	4.437	0.28	2	SWF
8392 1993 OP	>6.	>0.03	1	
8393 Tetsumasakamoto	6.315	0.47	2	SWF
8394 1993 TM_{12}	212.810	0.53	2	SWF
8395 Rembaut			P	
8396 1993 UR_2	6.425	0.16	2	SWF
8397*Chiakitanaka	3.90	0.19−0.32	3−	
8400*Tomizo	3.04983	0.12−0.14	2+	
8401 Assirelli	3.50396	0.25	2	DWF
8402*1994 GH_9	13.5383	0.23	2 p	DWF
8403 Minorushimizu	5.19677	0.24	2	DWF
8404 1995 AN	3.202	0.06−0.16	2+	
8405 Asbolus	8.9351	0.32−0.55	3	
8409 Valentaugustus	S 7.36573		2 p N	LCI-W
8417 Lancetaylor	3.5862	0.46−0.8	3−	
8419 Terumikazumi	4.49	0.21	2	
8420 Angrogna	8.12221	0.43	2	DWF
8423 Macao	5.78	0.29	2	SWF
8426 1997 ST	5.13	0.42	2	SWF
8427 1997 TH_{17}	3.528	0.22	2	SWF
8432 Tamakasuga	12.08	0.23	1 DA	SWF
8441 Lapponica	3.27	0.29−0.50	3−	
8443 Svecica	20.998	0.62−0.65	3 p	
8444*Popovich	54.778	0.71−1.28	3−	
8449 Maslovets	230.709	0.65	2	SWF
8454 Micheleferrero	6.727	0.36	2 p	SWF
8457 Billgolisch	135.707	0.19	2	SWF
8459 Larsbergknut	11.759		2	SWF
8463 Naomimurdoch	3.74	0.17	2 A	
8465 Bancelin	219.	0.41	2	DWF
8474 Rettig	30.54	0.34−0.93	3 B	
8475*Vsevoivanov	230.685	0.50	2	DWF
8479 1987 HD_2	2.67939	0.13−0.18	3−	
8481 1988 LH	15.5159	0.22	2	DWF
8484 1988 VM_2	2.8496	0.15−0.16	3−	
8485 Satoru	362.772	0.58	2	SWF
8487 1989 SQ	9.4323	0.25−0.35	3	
8492 Kikuoka	10.6615	0.22	2	DWF
8494*Edpatvega	4.32	0.18−0.22	2	SWF
8497 1990 RE_7	4.40	0.60	3−	

Planet	Period	Variation	Note	Survey
8498 Ufa	21.0101	0.32	2	DWF
8499 1990 SC_{13}	5.998		2−	SWF
8502 Bauhaus	3.064	0.34	2	SWF
8505 1990 *YK*	7.004	0.09	2 4	
8506 1991 *CN*	62.5332	0.39	2	DWF
8509 1991 FV_2	9.010	0.33−0.79	2	SWF
8512 1991 PC_{11}	99.0132	0.12	2	DWF
8516 Hyakkai	4.80153	0.65	2	DWF
8517 1992 BB_5	26.0668	0.34	2	DWF
8523*Bouillabaisse	4.4	0.23−0.30	2	
8526 Takeuchiyukou	454.184	0.48	2	DWF
8528 1992 SC_{24}	S 5.02116		2 p N	LCI-W
8532 1992 YW_3	>30.	>0.35	2	
8535 Pellesvanslös	5.695	0.70−0.76	2	SWF
8537 Billochbull	6.74982	0.27	2	DWF
8538 Gammelmaja	3.089	0.37	2	SWF
8539 Laban	37.403		2−	SWF
8542 1993 VB_2	4.995	0.10	1	SWF
8548 Sumizihara	3.192	0.10	2	SWF
8549 Alcide	>3.	>0.2	2−	
8550 Hesiodos	6.719	0.09	3	
8551 Daitarabochi	6.62	0.19	2 A	
8553 Bradsmith	58.32	0.50	2	
8559 1995 QM_2	4.072	0.67	2	SWF
8560 Tsubaki	11.244	0.43	2	DWF
8562 1995 SK_{53}	9.33249	0.25	2	DWF
8563 1995 *US*	3.197	0.56	3	
8564 Anomalocaris	20.329	0.39	2	SWF
8566*1996 *EN*	4.849	0.20	3−	
8567 1996 HW_1	8.7573	0.22−1.01	3 p	
8568 Larrywilson	11.29	0.39	2	SWF
8571 Taniguchi	5.304	0.54−0.76	2	SWF
8573 Ivanka	S 8.03312		2 p N	LCI-W
8575 Seishitakeuchi	5.257	0.33−0.43	2	SWF
8577 Choseikomori	5.57121	0.16	2	DWF
8584*1997 AN_{22}	31.520	0.30−0.95	2	SWF
8589 Stellaris	5.37	0.42−0.70	3	
8590 Pygargus	17.62	0.20	1 DA	SWF
8591 Excubitor	14.628	0.14	2	SWF
8595 Dougallii	10.130	0.25	2	SWF
8596 Alchata	38.126		2−	SWF
8604 Vanier	4.491	0.09	3−	
8610 Goldhaber	5.400		2−	SWF
8612 Burov	6.140	0.76	2	SWF
8614 1978 VP_{11}	4.607		2−	SWF
8615 1979 MB_2	731.276	1.16	2	SWF
8624 Kaleycuoco	8.34658	0.22	2	DWF
8625 Simonhelberg	5.27	0.40−0.53	2	SWF
8628 Davidsaltzberg	243.054	0.78	2	DWF
8630 Billprady	79.652	0.58	2	SWF
8633 Keisukenagao	S 4.857162		2 p N	LCI-W
8634 Neubauer	5.096	0.50	2	SWF
8636 Malvina	16.994	0.44−0.47	2 p	SWF
8639 1986 VB_1	4.626	0.12	3	
8640 Ritaschulz	11.1285	0.22	2	DWF
8643 Quercus	16.953	0.22	2	SWF
8645 1988 *TN*	7.616	0.36	3−	
8647 Populus	2.537	0.15	3	
8649 Juglans	6.028	0.18−0.20	2	SWF
8650 1989 TJ_2	3.986		2	SWF
8653 1990 *KE*	>14.		N	
8654 1990 KC_1	S 6.94119		2 p N	LCI-W
8656 Cupressus	S 9.50117		2 p N	LCI-W
8657 Cedrus	13.467	0.67−0.80	2	SWF
8661 Ratzinger	S 4.301035		2 p N	LCI-W
8662 1990 UT_{10}	6.19	0.37	3	SWF
8663 Davidjohnston	32.8	0.30	2	
8664 Grigorijrichters	43.673		2	SWF
8668 Satomimura	169.641	0.85	2	DWF
8669 1991 NS_1	20.3392	0.03	2	DWF
8679 Tingstäde	6.65	0.70	1+	
8681 Burs	7.684		2	SWF
8682 Kräklingbo	7.566	0.48	2	SWF
8686 Akenside	4.761		2	SWF
8691 Etsuko	9.6	0.09	1	
8692*1992 *WH*	4.698	0.20−0.41	2	SWF
8693 Matsuki	6.09724	0.28	2	DWF
8694 1993 *CO*	6.069	0.32	3	
8700 Gevaert	4.905	0.47−0.59	2	SWF
8702 Nakanishi	7.228		2−	SWF
8709 Kadlu	50.6	>0.40	2 T-	
8713 Azusa	S 91.936		2 p N	LCI-W
8716 Ginestra	54.932	0.13	2	DWF
8719 Vesmír	119.127	0.63	2	DWF
8721 AMOS	29.131	0.29	2	SWF
8722 Schirra	2.30526	0.15−0.20	3	
8736 Shigehisa	80.5	1.2	3 T0	
8743*Kèneke	2.769	0.05−0.22	2	
8744 Cilla	5.199	0.55	2	SWF
8752 Flammeus	22.865	0.59	2	SWF
8756 Mollissima	4.421	0.23	2	SWF
8770 Totanus	S 14.867		2 p N	LCI-W
8773 Torquilla	15.939	0.10	2	SWF
8776 Campestris	9.298	0.35−0.38	2	SWF
8777 Torquata	240.704	0.63	2	DWF
8778 1931 TD_3	3.833	0.51	2	SWF
8779 1971 UH_1	6.330		2−	SWF
8781 Yurka	5.879	0.69	2	SWF
8782 Bakhrakh	25.205		2−	SWF
8783 Gopasyuk	5.6951	0.63−0.80	3	
8788 Labeyrie	12.571	0.50	2	SWF
8789 1978 VZ_7	5.277	0.40	2	SWF
8794 Joepatterson	2.864	0.17	3	
8796 Sonnett	5.18	0.64	2	SWF
8802 Negley	5.764	0.51	2	SWF
8807 Schenk	307.588	0.44	2	SWF
8812 Kravtsov	>1.90	>0.21		SWF
8814 Rosseven	106.557	0.14	2	DWF
8815 Deanregas	5.565		2	SWF
8817 Roytraver	68.79	0.53	2	DWF
8819*Chrisbondi	3.026	0.16−0.25	2	SWF
8825 1988 *MF*	40.651	0.95	3−	
8828*1988 RC_7	12.929	0.03−0.33	3−	
8829 Buczkowski	13.105	0.33	2	SWF
8830 1988 *VZ*	S 7.16038		2 p N	LCI-W
8833 Acer	27.42	0.35	1 DA	SWF
8838*1989 UW_2	42.671	0.23−0.43	2	SWF
8841 1990 EA_7	27.1625	0.10	2	DWF
8843 1990 *OH*	7.25468	0.23	2	DWF
8844 1990 QR_2	8.786	0.37	2	SWF
8847 Huch	5.75	0.36	2	SWF
8849 Brighton	10.727	0.40−0.41	2	
8858 Cornus	6.180	0.56	2	SWF
8859 1991 PQ_{11}	3.90	0.62−0.69	3− p	SWF
8860 Rohloff	S 18.8411		2 p N	LCI-D
8862 Takayukiota	3.2549	0.26	3−	
8866 Tanegashima	13.525	0.27−0.48	2+	
8871 Svanberg	S 4.888086		2 p N	LCI-W
8872 Ebenum	10.547	0.30	2	SWF
8873*1992 UM_2	S 5.93581	1.18	2 p N	LCI-W
8876 1992 WU_3	3.627		2	SWF
8878*1993 FN_{16}	19.875	0.60−0.88	2	SWF
8880 1993 FT_{33}	S 3.700931		2 p N	LCI-W
8881 Prialnik	10.698	0.06	1	SWF
8882 Sakaetamura	4.8742	0.32−0.66	3−	
8885*Sette	212.	0.49−0.5	2− T0	
8886 Elaeagnus	10.184	0.60	2	SWF
8887 Scheeres	2.9827	0.18	3 p	
8888 Tartaglia	7.22237	0.72	2	DWF
8889 Mockturtle	18.0698	0.16	2	DWF
8893 1995 *KZ*	22.27	0.69	3	
8895 Nha		0.1		
8900*AAVSO	3.839	0.39−0.43	3	
8901*1995 UJ_4	8.702	0.25−0.28	2	SWF
8906 Yano	6.744	0.11−0.14	2	SWF
8908 1995 WY_6	3.026	0.37−0.48	2 p	SWF
8909 Ohnishitaka	3.60588	0.06	2	DWF
8910 1995 WV_{42}	10.56	0.49	2	SWF
8911 Kawaguchijun	6.120	0.94	2	SWF
8914 Nickjames	5.652	0.17	2	SWF
8916 1996 *CC*	S 6.01055		2 p N	LCI-W
8918 1996 OR_1	21.5401	0.22	2	DWF
8920 1996 VZ_{29}	4.696	1.09	2	SWF
8927 Ryojiro	7.986	0.47	2	SWF
8928 1996 YH_2	2.5689	0.07	2 A	
8931 Hirokimatsuo	3.192		2	SWF
8941*Junsaito	14.014	0.38−0.46	2	SWF
8942 Takagi	332.194	0.44	2	SWF
8945 Cavaradossi	13.1801	0.53	2	DWF
8947 Mizutani	8.64186	0.14	2	DWF

Planet	Period	Variation	Note	Survey
8950 1997 EG_{46}	>1.13	>0.07		SWF
8951 1997 FO	3.770	0.61	2	SWF
8952 ODAS	3.00	0.36	2	SWF
8954 Baral	5.141	0.27	2	SWF
8957 Koujounotsuki	87.224	0.53	2	SWF
8958 Stargazer	15.991	0.62	2 N	
8963 Collurio	8.819		2−	SWF
8965 Citrinella	9.082	0.32	2	SWF
8967*Calandra	5.19	0.55−0.58	2	
8969 Alexandrinus	S 4.690237		2 p N	LCI-W
8973 Pratincola	5.85	0.15	2−	SWF
8976 Leucura	5.54	0.40	3	SWF
8978 Barbatus	7.257	0.15−0.16	2	SWF
8986 Kineyayasuyo	4.68	0.49	3− p	SWF
8987 1978 VD_4	15.323	0.34	2	SWF
8989 1979 XJ	2.61562	0.03	2	DWF
8991 Solidarity	5.239	0.19	2	SWF
8992*Magnanimity	20.719	0.17−0.25	3	
8993 Ingstad	3.0276	0.27	3	
8994 Kashkashian	11.761	0.24	3−	
8996 Waynedwards	30.5923	0.57	3−	DWF
9000 Hal	908.	0.9	2+ T0	
9003 Ralphmilliken	13.3465	0.53	2	DWF
9004*Peekaydee	32.676	0.27−0.42	2	SWF
9005 Sidorova	14.084	0.42	2	SWF
9007 James Bond	47.762		2−	SWF
9008*Bohšternberk	35.6604	0.47	2 p	DWF
9021 Fagus	5.065	0.71−0.73	3	
9023 Mnesthus	30.66	0.23	2+	
9026 Denevi	11.601		2−	SWF
9028*Konrádbeneš	3.71141	0.35	2 p A	DWF
9030 1989 UX_5	6.30	0.60	3−	
9033 Kawane	5.7656	0.45	3 p	
9034 Oleyuria	S 12.60235		2 p N	LCI-W
9035 1990 SH_1	3.89547	0.25	2	DWF
9036 1990 SJ_{16}	2.57	0.47−0.53	2	SWF
9039 1990 WB_4	11.170	0.08	1	SWF
9043*1991 EJ_4	6.026	0.37−0.57	2	SWF
9046 1991 PG_{17}	7.48914	0.18	2	DWF
9047 1991 QF	4.476	0.72	2	SWF
9050*1991 RF_{29}	3.507	0.14−0.15	2	SWF
9052 Uhland	S 76.541		2 p N	LCI-W
9053 Hamamelis	10.386	0.29−0.33	2	SWF
9054 Hippocastanum	193.552	0.38	2	SWF
9056 Piskunov	2.905	0.15	2	SWF
9060 Toyokawa	3.6804	0.08	3−	
9064 Johndavies	214.263	0.60	2	DWF
9065 1993 FN_1	3.064	0.19	2	SWF
9068 1993 OD	3.4073	0.18−0.23	3	
9069 Hovland	4.217	0.08−0.12	3 B	
9074*Yosukeyoshida	170.	1.03	2	
9077 Ildo	15.323	0.43	2	SWF
9078 1994 PB_2	45.65	0.44	2	SWF
9083 Ramboehm	10.199	0.14	3	
9084 Achristou	8.84	0.09	2+	
9090 Chirotenmondai	5.6477	0.17	2+	
9091*Ishidatakaki	10.6	0.97	2 p	
9093 Sorada	20.116	0.12	2	DWF
9098 Toshihiko	6.19	0.13	1+	SWF
9104 Matsuo	5.16834	0.62	2	DWF
9105 Matsumura	4.769	1.00	3 H	DWF
9111 Matarazzo	>60.	0.3	2−	
9112 Hatsulars	S 36.5372		2 p N	LCI-W
9115 Battisti	5.023	0.07	1	SWF
9117 Aude	2.8156	0.15−0.22	3	
9120*1998 DR_8	14.750	0.11−0.28	3	
9121 Stefanovalentini	11.84	0.14	2	
9122 Hunten	7.920	0.27	2	SWF
9123 Yoshiko	3.35923	0.21	2	DWF
9130 Galois	5.396		2−	SWF
9131 1998 JV	26.839	0.67	2	SWF
9132 Walteranderson	6.268	0.72	2	SWF
9136 Lalande	5.75	0.13	2	SWF
9138 Murdoch	3.929		2	SWF
9140*Deni	25.270	0.38−0.52	2	SWF
9142 Rhesus	7.325	0.24−0.27	2	SWF
9143 Burkhead		0.20	N	
9145 Shustov	3.812	0.29	2	SWF
9148 Boriszaitsev	8.124	0.20−0.23	3	
9150 Zavolokin	1.85391	0.15	2	DWF
9154 Kol′tsovo	6.13285	0.30	2	DWF
9157 1983 RB_4	13.398		2	SWF
9158 Platè	S 5.16491		2 p N	LCI-W
9164 Colbert	5.094	0.53	2	SWF
9165 Raup	1320.	1.05−1.34	3− T0	
9167 Kharkiv	8.66176	0.39	2	DWF
9168 Sarov	8.37354	0.11	2	DWF
9175*Graun	25.8	0.16−0.31	2+	
9180 Samsagan	6.79975	0.20	2	DWF
9181 1991 NP_2	5.6004	0.66	2	DWF
9182 1991 NB_4	5.416	0.40	2+	
9185 1991 PX_{17}	25.1183	0.29	2	DWF
9186 Fumikotsukimoto	3.9100	0.41−0.49	3−	
9190 Masako	6.130	0.12	3−	
9192 1992 AR_1	43.2975	0.24	2	DWF
9195 1992 OF_9	10.089	0.33	2	SWF
9196 Sukagawa	7.10	0.92−1.13	3− p	SWF
9199 1993 FO_1	5.322	0.47	2+	
9204 Mörike	S 80.483		2 p N	LCI-W
9208 Takanotoshi	13.7437	0.18	2	DWF
9213 1995 UX_5	36.2963	0.62	2	DWF
9220 Yoshidayama	6.04	1.02	2	SWF
9222 Chubey	10.8290	0.40−0.51	3	
9223 Leifandersson	3.758	0.33	2	SWF
9227 Ashida	3.970	0.34	2	SWF
9228*Nakahiroshi	130.273	0.25−0.32	2	SWF
9231 Shimaken	10.917	0.55−0.67	3	
9233 Itagijun	110.95	0.6	2 T0	
9234 Matsumototaku	6.05	0.89	2+	SWF
9237 1997 GY_7	4.072	0.56−0.61	2	SWF
9243 1998 FF_{68}	4.2	0.11−0.17	2	SWF
9247 1998 MO_{19}	11.479	0.27−0.38	3	
9260 Edwardolson	3.0852	0.11	3 BN	
9262 Bordovitsyna	9.	0.08	2	
9272 Liseleje	19.389	0.13	2	SWF
9274 Amylovell	5.518	0.59−0.71	2 p	SWF
9277 Togashi	48.4257	0.27	2	DWF
9279 Seager	140.739	0.74	2	DWF
9283 Martinelvis	3.460	0.07	1	SWF
9286 Patricktaylor	3.86	0.20	2	
9295 Donaldyoung	5.13	0.12	2−	SWF
9297 Marchuk	18.09	0.16	2	
9298 Geake	38.29	0.78	2	
9299*Vinceteri	87.8047	0.67	2 p	DWF
9302 1985 TB_3	3.059	0.25	2	SWF
9303 1986 QH_3	3.70694	0.18	2	DWF
9305 Hazard	24.7177	0.09	2	DWF
9306 Pittosporum	3.791	0.18	2	SWF
9308 Randyrose	210.462	0.50	2	DWF
9319 Hartzell		0.66		SWF
9321 Alexkonopliv	3.427	0.19	2	SWF
9323 Hirohisasato	269.156	0.53	2	SWF
9324 1989 CH_4	6.558	0.16	2	SWF
9325*Stonehenge	4.607	0.16−0.22	2	SWF
9326 Ruta	S 8.14533		2 p N	LCI-W
9327 Duerbeck	20.2233	0.46	2	DWF
9328 1990 DL_3	58.4955	1.00	2	DWF
9332*1990 SB_1	2.98701	0.39	3 BN	
9333*Hiraimasa	6.911	0.37	2+	
9334 Moesta	5.848	0.49	2	SWF
9335 1991 AA_1	500.552	0.88	2	SWF
9337 1991 FO_1	3.2	0.10−0.13	2	SWF
9339 Kimnovak	12.12	0.27	2	SWF
9340 Williamholden	202.112	0.86	2	SWF
9344 Klopstock	5.842	0.38	2	SWF
9347 1991 RY_{21}	4.028	0.35−0.45	2	
9356 Elineke	2.750	0.21	3−	
9357 Venezuela	>2.00	>0.37		SWF
9359 Fleringe	21.508	0.50	2	SWF
9362 Miyajima	2.179	0.07	1	SWF
9364 Clusius	8.9155	0.52−1.06	3 p	
9368 Esashi	2.9183	0.17−0.20	3	
9369 1993 DB_1	54.335	0.17−0.43	2	SWF
9372 Vamlingbo	5.652	0.08	1	SWF
9375 Omodaka	3.925	0.55	2	SWF
9379 Dijon	S 3.273103		2 p N	LCI-W
9385 Avignon	4.28947	0.21	2	DWF
9387 Tweedledee	3.534	0.09−0.15	3	
9392 Cavaillon	5.524	0.36	2	SWF
9393 Apta	3.286	0.23	2	SWF

Planet	Period	Variation	Note	Survey
9395 Saint Michel	3.3342	0.12	2	
9400 1994 TW_1	97.1	0.47−1.04	2 T?	
9401 1994 TS_3	3.693	0.29	2	SWF
9405 Johnratje	3.25188	0.41	3	
9410 1995 BJ_1		>0.15		
9411 Hitomiyamoto	5.118	0.08	1	SWF
9413 Eichendorff	13.723	0.73	2	SWF
9414 Masamimurakami	15.574	0.24−0.29	3−	
9421 Violilla	4.605	0.35	2	SWF
9422 Kuboniwa	5.475	0.19	2	SWF
9423 Abt	3.281	0.30−0.33	3	
9424 Hiroshinishiyama	3.478	0.61	2	SWF
9430 Erichthonios	26.264	0.36−0.59	2	SWF
9431 1996 PS_1		0.91	I	
9437 Hironari	4.305	0.10	1	SWF
9440 1997 FZ_1	S 5.196349		2 p N	LCI-W
9443 1997 HR_9	3.49	0.29	2	SWF
9444 1997 JA	S 15.30992		2 p N	LCI-W
9450 1998 BT_1	9.012	0.59	2	SWF
9455 1998 FJ_{56}	4.09584	0.23	2	DWF
9457 1998 FB_{75}	23.069	0.36−0.46	2	SWF
9458 1998 FF_{97}	4.217	0.37	2	SWF
9459 1998 FW_{113}	34.5547	0.08	2	DWF
9462 1998 HC_{37}	3.432	0.30	2	SWF
9465 1998 HJ_{121}	5.802	0.64−0.65	2+	
9474 Cassadrury	2.7952	0.11−0.30	2+ BN	
9484 Wanambi	18.597	0.76	2	SWF
9485 Uluru	4.305	0.39	2	SWF
9488 Huia	105.273	0.80	2	SWF
9507*Gottfried	91.905	0.85−0.99	2	SWF
9509 Amfortas	3.996	0.07	2 A	
9511 Klingsor	4.5833	0.64	2	DWF
9512 Feijunlong	2.754	0.21	2	SWF
9522 Schlichting	6.274	0.29	2	SWF
9527 1981 EH_{23}	9.05	0.20	1	
9528 Küppers	4.66	0.22	2	SWF
9536 Statler	10.6173	0.20	2	DWF
9538 1982 UM_2	21.995	0.07	1	SWF
9542 Eryan	S 2.79473		2 p N	LCI-D
9549 Akplatonov	2.8431	0.15	3−	
9550*Victorblanco	7.74	0.10	2	
9552 1985 UY	277.828	0.37	2	DWF
9554 Dumont	28.7	0.40	2	
9555 Frejakocha	6.713		2−	SWF
9556 Gaywray	920.	0.5	2− T0	
9557 1986 QL_2	53.653	0.51	2	SWF
9559 1987 DH_6	203.260	0.50−0.63	2	SWF
9560 Anguita	7.039	0.27	2	SWF
9563 Kitty	5.367	0.64−0.72	2 p	SWF
9564*Jeffwynn	3.035	0.11−0.16	3	
9565*Tikhonov	7.8448	0.56	3	
9566 Rykhlova	8.800	0.56−0.95	2 p	
9567 Surgut	>3.72	>0.08		SWF
9572 1988 RS_6	23.230	0.53	2	SWF
9577 Gropius	27.899	0.76	2	SWF
9578 Klyazma	5.42	0.66	2	SWF
9580 Tarumi	9.052	0.32	2	SWF
9582*1990 EL_7	5.79899	0.52	2 p	DWF
9583*1990 HL_1	2.6409	0.14−0.15	3−	
9584 Louchheim	410.	>0.3	2 T0	
9586 1990 SG_{11}	5.206	0.28	2	SWF
9587 Bonpland	2.206	0.11	2	SWF
9596 1991 RC_{22}	4.77019	0.39	2	DWF
9601*1991 UE_3	3.73297	0.09	2+	DWF
9604 Bellevanzuylen	8.187	0.51	2	SWF
9611 Anouck	>48.	>0.25		SWF
9616 1993 FR_3	5.018	0.32−0.53	2	SWF
9617 Grahamchapman	2.2856	0.10−0.11	3 B	
9620*Ericidle	3.367	0.47−0.67	2	SWF
9622 Terryjones	8.938	0.69	2 p	SWF
9626 Stanley	5.776	0.41	2	SWF
9630 Castellion	2.56	0.10	2	SWF
9635 1993 XS	4.138	0.10	2	SWF
9641 Demazière	9.912	0.90	2	SWF
9642 Takatahiro	5.524	0.58	2	SWF
9646 1995 BV	>1.13	>0.15		SWF
9648 Gotouhideo	6.892		2	SWF
9650 Okadaira	57.042		2	SWF
9652*1996 AF_2	4.385	0.07−0.16	2	SWF
9653 1996 AL_2	5.647	0.30	3	
9655 Yaburanger	6.684	0.10−0.14	2	SWF
9661 Hohmann	5.920	0.32	2	SWF
9664 Brueghel	>1.15	>0.07		SWF
9667 Amastrinc	4.349		2−	SWF
9668 Tianyahaijiao	91.27	0.53	2	DWF
9671 Hemera	2.53150	0.12−0.18	3	
9672 Rosenbergerezek	10.67	0.38	2	SWF
9681 Sherwoodrowland	>0.62	>0.44		SWF
9684 Olieslagers	4.982		2	SWF
9694 Lycomedes	18.2	0.38−0.55	2	
9698 Idzerda	5.47439	0.26	2	DWF
9699 Baumhauer	16.7	0.15	1	
9707 Petruskoning	>0.92	>0.13		SWF
9708 Gouka	14.2	0.44	2	
9709 Chrisnell	4.86477	0.23	2	DWF
9712 Nauplius	19.41	0.48	2	
9713 Oceax	22.00	0.24	2+	
9716 Severina	2.9669	0.26	3	
9718 Gerbefremov	6.249	0.17	2	SWF
9721 Doty	4.108	0.15	2	SWF
9723 Binyang	12.40	0.57−1.11	2 p	
9724 Villanueva	4.478		2−	SWF
9726 Verbiscer	5.551	0.27−0.28	2	SWF
9727 Skrutskie	13.041		2−	SWF
9729 1981 RQ	4.20017	0.09	2	DWF
9731 1982 JD_1	2.833	0.16	3−	
9732 Juchnovski	7.572	0.14	2	
9733 Valtikhonov	2.72061	0.21	2	DWF
9734 1986 CB_2	S 9.29035		2 p N	LCI-W
9737*Dudarova	14.3158	0.12−0.39	2+	
9738 1987 DF_6	3.165	0.15	2	SWF
9739 Powell	109.	0.09−0.40	2 T?	
9741 Solokhin	3.12055	0.10	2	DWF
9745 Shinkenwada	3.104		2−	SWF
9747 1989 AT	13.4722	0.13	2	DWF
9748 van Ostaijen	48.070		2−	SWF
9750*1989 NE_1	65.356	0.51−0.56	2	SWF
9753 1990 QL_3	4.356	0.20	2	SWF
9755 1990 RR_2	4.77436	0.37	2	DWF
9757 Felixdejager	3.11	0.18	2	SWF
9769 Nautilus	6.18389	0.63	2	DWF
9770 Discovery	3.947	0.70	2 p	SWF
9771 1993 FU_{17}	5.86125	0.32	2	DWF
9772*1993 MB	5.3450	0.17−0.24	3 B?	
9773*1993 MG_1	2.74595	0.09−0.35	3	
9774 Annjudge	10.51	0.20	2	
9776 1993 VL_3	4.788		2	SWF
9780 Bandersnatch	7.06329	0.16−0.34	3−	
9782 Edo	4.085	0.67	3 p	
9783*Tensho–kan	3.0111	0.13−0.19	3 p B	
9785 Senjikan	26.743	0.23−0.24	2	SWF
9790 1995 OK_8	8.01	0.21	2+	
9792 Nonodakesan	6.336	0.26−0.28	2	SWF
9793 Torvalds	27.1793	0.21	2	DWF
9795 Deprez	4.12	0.34	2	SWF
9796 Robotti	2.75484	0.15	2	DWF
9798 1996 JK	6.81185	0.37	2	DWF
9799 1996 RJ	21.52	0.16	2+	
9801*1997 FX_3	2.889	0.12−0.16	3	
9805 1997 NZ	16.860	0.23	2	SWF
9806 1997 NR_6	3.40774	0.34	2	DWF
9807 1997 SJ_4	346.	0.40−0.43	2 H	
9820 Hempel	>0.97	>0.24		SWF
9826 Ehrenfreund	3.748	0.37	2	SWF
9827 1958 TL_1	S 10.70735		2 p N	LCI-W
9829 Murillo	21.754	0.81	3	
9830 1978 VE_{11}	7.14686	1.00	2	DWF
9832 Xiaobinwang	77.7862	0.20	2	DWF
9833 Rilke	7.81947	0.16	2	DWF
9837 Jerryhorow	17.40	0.70−0.73	2+	
9838 Falz–Fein	38.428	0.31	2	SWF
9843 Braidwood	5.6152	0.71	2	DWF
9844 Otani	10.073	0.18	2	SWF
9846 1990 OS_1	18.546	0.09	1	SWF
9847 1990 QJ_5	2.781	0.19−0.27	2	SWF
9849 1990 RF_2	2.608	0.12−0.16	2	SWF
9854 Karlheinz	4.688	0.56	3−	
9855*1991 CU	2.87145	0.07−0.08	2	DWF
9856 1991 EE	3.045	0.14−0.28	3	
9858 1991 OL_1	21.208	0.60	2	SWF

Planet	Period	Variation	Note	Survey
9864 1991 RT_{17}	4.558	0.12	2	SWF
9865 Akiraohta	2.96	0.08−0.09	2+	
9866 Kanaimitsuo	3.21	0.25	2	SWF
9867 1991 VM	2.96156	0.13	2	DWF
9868 1991 VP_1	2.74658	0.06	2	DWF
9869 Yadoumaru	S 7.57860		2 p N	LCI-W
9872 Solf	11.598	0.54	2	SWF
9873*1992 GH	2.9257	0.20−0.39	3	
9874 1993 FG_{23}	6.803	0.18	2	SWF
9875 1993 FH_{25}	4.69617	0.21	2	DWF
9884 Příbram	13.916	0.38−0.41	2	SWF
9888 1995 CD	4.960	0.27	2	SWF
9890 1995 SY_2	12.625	0.77	2	SWF
9898 Yoshiro	S 6.53146		2 p N	LCI-W
9899 1996 EH	5.27	0.05	2−	
9900 Llull	183.319	0.88	2 p	SWF
9902 Kirkpatrick	6.03115	0.85	2	DWF
9906 Tintoretto	8.00999	0.33	2	DWF
9910 Vogelweide	118.905	0.67−0.74	2	SWF
9912 Donizetti	6.228	0.19−0.32	2	SWF
9916 Kibirev	15.171	0.36−0.45	2	SWF
9921 Rubincam	8.01	0.31−0.33	3−	SWF
9927 Tyutchev	2.51	0.15	2	SWF
9928 1981 WE_9	18.3980	0.25−0.41	2+	
9929 McConnell	105.277	0.73	2	DWF
9931 Herbhauptman	4.44	0.15−0.21	2	SWF
9936 Al–Biruni	10.704	0.14	2	
9938 Kretlow	S 8.76900		2 p N	LCI-W
9941 Iguanodon	>1.15	>0.04		SWF
9942*1989 TM_1	22.6325	0.03−0.08	1	DWF
9943 Bizan	33.825	0.23	2	DWF
9948 1990 QB_2	3.53	0.60−0.77	3 p	
9950 ESA	6.712	0.44−0.89	3	
9951*Tyrannosaurus	3.767	0.21	3−	
9954 Brachiosaurus	8.78889	0.35	2	DWF
9957 Raffaellosanti	2.4138	0.23	3	
9959 1991 VF_2	67.635	0.78	2	DWF
9963 Sandage	4.65053	0.43−0.56	3−	
9965 GNU	39.745	0.36−0.42	2	SWF
9967 Awanoyumi	517.748	0.91	2	DWF
9969 Braille	226.4	0.9	2 p T0	
9970 1992 ST_1	22.8654	0.09	2	DWF
9971 Ishihara	6.715	1.06	2 p	SWF
9972 Minoruoda	3.4221	0.11	3 B	
9976 1993 TQ	7.314	0.55	3−	
9977 Kentakunimoto	25.391		2−	SWF
9980 1995 BQ_3	S 22.8890		2 p N	LCI-W
9983 Rickfienberg	5.2963	1.30	3 p	
9985 Akiko	56.3862	0.71	2	DWF
9987 Peano	80.2713	0.38	2	DWF
9991 Anežka	4.469	0.24	2	SWF
9992 1997 TG_{19}	5.7402	0.27−0.42	3	
9994 Grotius	9.219	0.27	2	SWF
9999 Wiles	3.482	0.13−0.15	2	SWF
10000 Myriostos	382.172	0.93	2	DWF
10001 Palermo	213.368	0.97	2	SWF
10003 1971 UD_1	3.2	0.20	1	
10010 Rudruna	10.9177	0.46	2	DWF
10019 Wesleyfraser	245.062	0.43	2	SWF
10020 Bagenal	2.349	0.13	2	SWF
10022 Zubov	4.564	0.14	2	SWF
10024 Marthahazen	3.316	0.08	1	SWF
10025 Rauer	4.451	0.48−0.51	2	SWF
10026 1980 RE_1	9.960	0.31	2	SWF
10028 Bonus	>1.13	>0.08		SWF
10033 Bodewits	11.880	0.42	2	SWF
10038 Tanaro	26.9326	0.21	2	DWF
10041 Parkinson	2.56428	0.12−0.30	3	
10042 Budstewart	3.695	0.33	3	
10045 1985 RJ_3	4.204		2−	SWF
10046 Creighton	6.5663	0.46−0.67	3	
10052 1987 SM_{12}	4.068	0.24	2	SWF
10056 Johnschroer	11.114		2−	SWF
10057 L′Obel	7.154	0.57	2	SWF
10060 Amymilne	2.727	0.02	2	
10061*Ndolaprata	10.1264	0.74	2 p	DWF
10062 1988 RV_4	3.545	0.06	1	SWF
10064 Hirosetamotsu	8.052	0.56−0.74	3 p	
10065 1988 XK	10.0172	0.84	2	DWF
10069 Fontenelle	S 20.8392		2 p N	LCI-W
10075 Campeche	23.9607	0.08	2	DWF
10091 Bandaisan	3.23	0.25	2	
10093 Diesel	47.728		2−	SWF
10094 Eijikato	7.66	0.13	2	
10096 1991 RK_5	S 5.34569		2 p N	LCI-W
10101*Fourier	6.849	0.34−0.54	2	SWF
10103 Jungfrun	30.5775	0.12	2	DWF
10104 Hoburgsgubben	9.40	0.74	2−	SWF
10113 1992 PX_2	6.775	0.22−0.68	3−	
10114 Greifswald	12.263		2	SWF
10115 1992 SK	7.319	0.50−1.03	3 p	
10117 Tanikawa	6.88064	0.57	2	DWF
10118 1992 UK_1	103.528	0.45	2	DWF
10119 Remarque	6.811	0.47−0.50	2 p	SWF
10121 Arzamas	12.1	0.60−0.70	2	SWF
10123*Fideöja	2.8657	0.05−0.08	3 B	
10125 Stenkyrka	5.597	0.43	2	SWF
10128 Bro	9.57358	0.17	2	DWF
10132*Lummelunda	2.5099	0.11−0.20	3 B	
10133 1993 GC_1	5.547	0.17	2+	
10134 1993 HL_6	5.5348	0.24−0.26	3	
10136 Gauguin	9.09	0.13	1	
10138 Ohtanihiroshi	13.2225	0.14	2	DWF
10141 Gotenba	30.9572	0.11	2	DWF
10142 Sakka	3.35	0.28−0.40	3	
10143 Kamogawa		0.09	N	
10144 1994 AB_2	3.85	0.29	2	SWF
10145 1994 CK_1	49.2892	0.13	2	DWF
10149 Cavagna	5.58553	0.58	2	DWF
10150 1994 PN	2.965	0.20−0.56	2+ B?	
10152 Ukichiro	5.182		2−	SWF
10154 Tanuki	2.886	0.12	2	SWF
10156 1994 VQ_7	24.044		2−	SWF
10157 Asagiri	53.644		2−	SWF
10159 Tokara	5.531	0.58	3−	
10160 Totoro	14.2707	0.42	2	DWF
10166 Takarajima	5.3712	0.62−0.84	3 p	
10167 Yoshiwatiso	6.313		2−	SWF
10170 Petrjakeš	29.2573	0.32	2	DWF
10171 Takaotengu	8.245	0.28−0.33	2+	
10175 Aenona	11.2361	0.17	2	DWF
10177 Ellison	7.271		2	SWF
10179 Ishigaki	3.34	0.60	3−	
10181*Davidacomba	4.521	0.76−1.05	2	SWF
10182 Junkobiwaki	4.3081	0.08	2+	
10187 1996 JV	21.676	0.10−0.20	2 A	
10188 Yasuoyoneda	2.74840	0.12	3−	
10191 1996 NU_1	14.276	0.48	2	SWF
10195 Nebraska	23.2912	0.14	2	DWF
10199 Chariklo	7.004	0.11	2+	
10205 Pokorný	4.960		2−	SWF
10207 Comeniana	12.84	0.10	2	
10208 Germanicus	3.3484	0.10−0.13	3 B	
10212 1997 RA_7	9.154	0.88−1.05	2	SWF
10213 Koukolík	24.1508	0.22	2	DWF
10217 Richardcook	23.33	0.45	3−	
10221 Kubrick	11.01	0.19	2−	SWF
10222 Klotz	29.	0.11	1	
10223 Zashikiwarashi	7.104	0.56	2	SWF
10224 Hisashi	8.257	0.42−0.64	2	SWF
10227 Izanami	2.920	0.16	2 A	
10231 1997 WQ_{37}	3.363	0.20−0.21	2	SWF
10236 1998 QA_{93}	4.34841	0.24−0.36	3 B?	
10237 Adzic	2.338	0.14	2	SWF
10240 1998 VW_{34}	18.872	0.08	1	SWF
10241 Miličević	3.87	0.34	2	SWF
10242 Wasserkuppe	8.768		2−	SWF
10246 Frankenwald	20.9686	0.12	2	DWF
10247 Amphiaraos	34.26	0.55	2	
10248 Fichtelgebirge	45.798	1.00	2	SWF
10249 Harz	3.631	0.47−0.54	2	SWF
10252 Heidigraf		0.56		SWF
10256 Vredevoogd	20.206		2−	SWF
10259 Osipovyurij	6.356	0.30−0.32	3	
10260 1972 TC	3.716	0.54	2	DWF
10261 Nikdollezhal′	16.747	0.06−0.09	2	
10263 Vadimsimona	>0.55	>0.03		SWF
10269 Tusi	10.81	0.15	1 H	DWF
10275 Nathankaib	S 47.860		2 p N	LCI-W
10277 Micheli	15.334	0.32	2	SWF

Planet	Period	Variation	Note	Survey
10281 Libourel	7.572	0.70	2 p	SWF
10283 Cromer	9.772		2−	SWF
10285 Renémichelsen	21.436		2−	SWF
10286*Shnollia	13.32	0.09	1	
10288 Saville	S 5.80412		2 p N	LCI-W
10291 1985 *UT*	55.354	0.58	2	SWF
10301*Kataoka	5.5610	0.21−0.31	3	
10302*1989 *ML*	19.164	1.00−1.13	2+ T?	
10305 Grignard	3.265	0.24	2	SWF
10306*Pagnol	4.79	0.21−0.27	2+	
10310 Delacroix	44.517	0.53	2	SWF
10313 Vanessa–Mae	2.82	0.38	2−	
10315 Brewster	5.190	0.45	2	SWF
10320 Reiland	5.92	0.12	2	
10321 Rampo	5.2282	0.51−0.69	3	
10325 Bexa	S 16.3299		2 p N	LCI-W
10328 1991 GC_1	15.357	0.72	3	
10331*Peterbluhm	379.	0.85−1.1	2	
10332 Défi	20.5142	0.06	2	DWF
10338 1991 RB_{11}	10.55	0.73	2 p	SWF
10339 1991 RK_{17}	7.90	0.56−0.63	2	SWF
10340 Jostjahn	26.343		2−	SWF
10343 Church	S 13.72005		2 p N	LCI-W
10347 Murom	35.3	0.45	2−	
10348 Poelchau	3.31	0.17	2	SWF
10349 1992 *LN*	2.867	0.09	1	SWF
10351 Seiichisato	367.413	0.04	2	DWF
10355 Kojiroharada	5.75563	0.40	2	DWF
10357 1993 SL_3	2.762	0.05	2−	
10358 Kirchhoff	7.4084	0.36−0.40	3−	
10359 1993 TU_{36}	2.411	0.18	2	SWF
10370 Hylonome		<0.04		
10373 MacRobert	9.42	1.10	1 DA	SWF
10374 Etampes	352.974	0.23	2	SWF
10376 Chiarini	16.160	0.73	2	SWF
10377 Kilimanjaro	3.66	0.13	2	SWF
10378 Ingmarbergman	4.504	0.12−0.14	2	SWF
10384 1996 TQ_{10}	155.282	0.37	2	DWF
10385 Amaterasu	5.725	0.18	3	
10389*Robmanning	5.76754	0.07−0.10	1	DWF
10390 Lenka	129.982	0.09	1	SWF
10391 1997 RR_3	12.6672	0.39	2	DWF
10395 Jirkahorn	3.670	0.13	2	SWF
10396*1997 SW_{33}	15.755	0.50	2 p	DWF
10397 1997 SX_{33}	3.33	0.14	2	SWF
10398 1997 UP_8	5.027	0.66	3	
10399 Nishiharima	6.50	0.24	2−	
10403 Marcelgrün	10.3703	0.10	2	DWF
10404 McCall	274.895	0.84	2	SWF
10406 1997 WZ_{29}	S 6.7520		2 p N	LCI-W
10409 1997 WP_{44}	66.980		2−	SWF
10412 Tsukuyomi	S 4.115592		2 p N	LCI-W
10415 Mali Lošinj	240.512	0.48	2	SWF
10417 1998 WA_{23}	3.995	0.22	2	SWF
10418 1998 WZ_{23}	5.726		2	SWF
10420 1998 YB_{12}	4.907	0.18	2	SWF
10421 Dalmatin	2.997	0.23	2+	
10422 1999 AN_{22}	35.157	0.43−0.50	2+	
10430 Martschmidt	15.577	0.61	2	SWF
10431 Pottasch	7.267	0.32	2	SWF
10435 Tjeerd	3.92	0.28	2	SWF
10441 van Rijckevorsel	473.681	0.28	2	DWF
10443*van der Pol	3.34501	0.15−0.22	2	
10444 de Hevesy	26.6848	0.30	2	DWF
10449 Takuma	7.33	0.46	2 p	SWF
10450 Girard	4.1977	0.33	3	
10452 Zuev	7.88202	0.38−0.39	3	
10455 Donnison	48.1955	0.99	2	DWF
10461 Dawilliams	>0.97	>0.32		SWF
10463 Bannister	4.791	0.29	2	SWF
10464 Jessie	4.03	0.22	2	SWF
10465 Olkin	7.4403	0.44−0.50	2 p N	
10472 Santana–Ros	S 5.98599		2 p N	LCI-W
10473 Thirouin	3.749	0.47	2	SWF
10475 Maxpoilâne	3.1	0.20	1	
10476 Los Molinos	267.906	0.33	2	SWF
10477*Lacumparsita	5.21677	0.55	2 p	DWF
10478 Alsabti	S 3.488554		2 p N	LCI-W
10480*Jennyblue	5.356	0.57−0.92	3−	
10484 Hecht	5.508	0.17−0.22	3	
10490 1985 *VL*	3.915	0.19	2	SWF
10492 1986 QZ_1	36.338	0.46	2	SWF
10493 1986 QH_2	9.47329	0.13	2	DWF
10496 1986 *RK*	9.876	0.20−0.31	3	
10497*1986 *RQ*	5.3283	0.13−0.19	3	
10498 Bobgent	3.45556	0.22−0.29	3 B?	
10500 Nishi–koen	44.552	0.27	2	SWF
10502 Armaghobs	24.978	0.51	2	
10503 1987 SG_{13}	S 5.29806		2 p N	LCI-W
10504 Doga	2.951	0.08	1	SWF
10506 Rydberg	266.356	0.47	2	DWF
10507 1988 ER_1	S 3.729382		2 p N	LCI-W
10509 Heinrichkayser	6.564	0.22	2	SWF
10513*1989 TJ_{14}	8.335	0.27−0.49	2	SWF
10517 1990 BH_1	2.73663	0.24	2	DWF
10518 1990 *MC*	6.613	0.08	2	
10519 1990 RO_2	17.011	0.56−0.68	2	SWF
10521 1990 RW_7	7.751	0.67	2	SWF
10522 1990 SN_3	9.63267	0.17	2	DWF
10524 Maniewski	5.201	0.19	3	
10526 Ginkogino	364.683	0.47	2	DWF
10528 1990 VX_3	3.677	0.36	2	SWF
10530 1991 *EA*	228.567	0.33	2	DWF
10531 1991 GB_1	55.1	0.21	2+ T0	
10533 1991 PT_{12}	S 17.20735		2 p N	LCI-W
10537 1991 RY_{16}	5.5512	0.23	2	DWF
10540 Hachigoroh	4.65653	0.26	2	DWF
10541 Malesherbes	20.224		2	SWF
10544*Hörsnebara	2.47318	0.06−0.09	1+	DWF
10546 Nakanomakoto	4.219		2	SWF
10548 1992 PJ_2	4.01838	0.34	3	
10551 Göteborg	335.346	0.70	2	SWF
10552 Stockholm	3.76	0.14	2	SWF
10553 Stenkumla	3.75	0.39	2	SWF
10554 Västerhejde	20.9501	0.16	2	DWF
10559 Yukihisa	5.797	0.45	2 p	SWF
10564 1993 XQ_2	3.490	0.29	2	SWF
10565*1994 AT_1	14.45	0.12−0.48	3	
10567 Francobressan	2.44845	0.21	2	DWF
10570 Shibayasuo	4.987	0.98	2 p	SWF
10575 1994 YV_1	197.203	0.75	2	DWF
10576 1995 *GF*	5.004	0.10	1	SWF
10578 1995 *LH*	8.861	0.18	2+	
10586 Jansteen	155.335	0.18	2	DWF
10589 1996 OM_2	2.425	0.08	1	SWF
10591 Caverni	66.375	0.68	2	SWF
10592 1996 PN_5	8.069	0.23	2	SWF
10597 1996 TR_{10}	6.59667	0.28−0.32	3	
10604*Susanoo	4.313	0.26−0.29	2	SWF
10606 Crocco	7.74084	0.27	2	DWF
10611 Yanjici	13.637	0.18	2	SWF
10617 Takumi	2.756	0.13−0.17	3−	
10619 Ninigi	22.4121	0.08	2	DWF
10621 1997 *XN*	4.921	0.31	2	SWF
10623 1997 YP_7	44.094	0.58−0.64	2	SWF
10627 Ookuninushi	S 4.334986		2 p N	LCI-W
10628 Feuerbacher	4.46541	0.36	2	DWF
10629 1998 BK_{11}	3.950	0.21	2	SWF
10630 1998 BV_{12}	>3.72	>0.06		SWF
10631 1998 BM_{15}	S 6.17821		2 p N	LCI-W
10632*1998 CV_1	9.21369	0.21−0.37	2	DWF
10636 1998 QK_{56}	9.876	0.32−0.53	3	
10637*Heimlich	10.743	0.27−0.35	2	SWF
10642*Charmaine	S 61.831	>0.1	2 N	LCI-W
10643 1999 CE_{78}	3.37978	0.30	2	DWF
10645*Brač	2.78592	0.22−0.31	3−	
10646 Machielalberts	3.058	0.29	2	SWF
10649 VOC	3.07412	0.25	2	DWF
10650 Houtman	33.896	0.89	2	SWF
10651 van Linschoten	4.823	0.53	2	SWF
10655 Pietkeyser	94.050	0.86	2	SWF
10656 Albrecht	14.490	0.35	2 p	SWF
10662 Peterwisse	3.072	0.15	1	
10666 Feldberg	3.4947	0.18	3−	
10668 Plansos	7.37685	0.57	2	DWF
10672*Kostyukova	9.82214	0.12	2	DWF
10673 Berezhnoy	5.4	0.30	2	SWF
10678 Alilagoa	17.5738	0.21	2	DWF
10681 Khture			HN	DWF
10683 Carter	75.3	1.00	2 H	DWF

Planet	Period	Variation	Note	Survey
10684 Babkina	404.680	0.74	2	SWF
10688 Haghighipour	9.4	0.25	2+	
10694*Lacerda	7.188	0.16−0.17	2	SWF
10701 Marilynsimons	72.485	0.56	2	SWF
10703 1981 QU_3	10.885	0.23	2	SWF
10704 1981 RQ_1	7.507	0.70	3	
10705 1981 SL	S 3.511233		2 p N	LCI-W
10709 Ottofranz	>5.40	>0.14		SWF
10715*Nagler	2.542	0.11−0.15	3−	
10719 Andamar	2.868	0.28−0.38	2	SWF
10721 Tuterov	3.0675	0.27	3	
10731 1988 BL_3	28.02	0.23−0.41	2 A	
10734 Wieck	10.0638	0.19	2	DWF
10736 Marybrück	196.758	0.39	2	DWF
10737 Brück	3.22	0.08	2+	
10740 Fallersleben	5.656	0.53	2	SWF
10743 1988 VS_2	20.7598	0.20	2	DWF
10746 Mühlhausen	11.116	0.27	2	SWF
10749 Musäus	5.040	0.29	2	SWF
10750 1989 PT	2.010	0.08	1	SWF
10757 1990 SF_3	2.76008	0.17	2	DWF
10760 Ozeki	7.319		2	SWF
10762 von Laue	4.71	0.20−0.21	3−	SWF
10763 Hlawka	S 6.6833		2 p N	LCI-W
10765 1990 UZ	4.378	0.17	2+	
10769 Minas Gerais	5.51847	0.54	2	DWF
10771 Ouro Prêto	4.443	0.50	2	DWF
10772 1990 YM	68.98	1.05−1.3	3− p T?	
10777*1991 EB_5	5.38319	0.48	2 p	DWF
10779 1991 LW	18.3	0.66−0.72	2 p	
10781 Ritter	17.9122	0.16	2	DWF
10783 1991 RB_9	7.334	0.26	3	
10784*Noailles	S 2.820678	0.40	2 p	LCI-W
10790*1991 XS	8.4917	0.40	2 p	DWF
10791 Uson	14.3207	0.31	2	DWF
10792 Ecuador	39.822	0.63−0.90	2	SWF
10793 Quito	11.299	0.28	2	SWF
10795 Babben	6.65626	0.07	2	DWF
10800 1992 OM_8	>5.40	>0.15		SWF
10809 Majsterrojr	7.04987	0.39	2	DWF
10816 1993 FZ_{35}	14.12	0.47	2	SWF
10817 1993 FR_{44}	6.322	0.71	2	SWF
10818 1993 FK_{81}	729.517	0.43	2	DWF
10819 Mahakala			HN	DWF
10821 Kimuratakeshi	5.681		2	SWF
10822 Yasunori	21.522	0.10	1	SWF
10826*1993 SK_{16}	13.835	0.49−0.61	3− p	
10829 Matsuobasho	S 5.02581		2 p N	LCI-W
10830 Desforges	8.804	0.69	2	SWF
10840 1994 LR	29.2001	0.08	2	DWF
10841 Ericforbes	4.908	0.95	3−	
10843 1994 YF_2	3.0556	0.10	3−	
10846 1995 AW_2	4.68466	0.09	2	DWF
10848 1995 BD_1	31.613		2−	SWF
10853 Aimoto	5.96795	0.73	2	DWF
10854 1995 DO_1	S 46.9991		2 p N	LCI-W
10855*1995 DR_1	68.4254	1.03	2 p	DWF
10863 Oye	6.930	0.10	1	SWF
10867*Lima	4.526	0.33−0.35	2	SWF
10868 1996 RF_5	S 80.145		2 p N	LCI-W
10878 Moriyama	51.06	0.68	2	SWF
10883 1996 VU_5	5.415	0.30−0.33	2	SWF
10889 1997 AO_1	>5.48	>0.06		SWF
10893 1997 SB_{10}	2.92446	0.20	2	DWF
10895 Aynrand	45.188		2−	SWF
10897 1997 VW_3	12.943		2−	SWF
10907 Savalle	6.082	0.07	2−	
10909*1997 XB_{10}	3.2483	0.24−0.40	3−	
10911 1997 YC_1	58.895		2	SWF
10914 Tucker	8.07	0.16	1+	SWF
10916 Okina–Ouna	>4.35	>0.36		SWF
10917*1998 AN	3.253	0.30−0.33	3	
10919 Pepíkzicha	11.002	0.41	2	SWF
10922 1998 BG_2	7.92	0.12	2	SWF
10923 1998 BM_{12}	10.942	0.64	2	SWF
10927 Vaucluse	5.482	0.25	2	SWF
10929 Chenfangyun	8.711		2−	SWF
10930 Jinyong	285.759	0.52	2	DWF
10931 Ceccano	4.44997	0.08	2	DWF
10934 Pauldelvaux	S 6.29331		2 p N	LCI-W
10936 1998 FN_{11}	25.70	0.28−0.40	2 p A	
10938 Lorenzalevy	84.99	0.14	2	SWF
10939 1999 CJ_{19}	587.826	0.61	2	SWF
10943 Brunier		0.97		SWF
10944*1999 FJ_{26}	12.578	0.18−0.24	2	SWF
10947 Kaiserstuhl	3.149	0.20−0.21	2	SWF
10951 Spessart	4.5418	0.42	2	DWF
10953 Gerdatschira	18.7924	0.19	2	DWF
10954 Spiegel	5.29	0.79	3−	SWF
10960 Gran Sasso	6.518	0.64	2	SWF
10973 Thomasreiter	3.910	0.30	2	SWF
10988 Feinstein	2.6723	0.11	3−	
10989 Dolios	26.101	0.32−0.36	2 H	DWF
10992 Veryuslaviya	6.03021	0.26	2	DWF
10994 Fouchard	39.835		2−	SWF
10995 1978 NS	S 15.62716		2 p N	LCI-W
10997*Gahm	3.209	0.50−0.58	3−	
10998 1978 UN_4	9.4886	0.37	2	DWF
10999 Braga–Ribas	101.919	0.24	2	DWF
11001 Andrewulff	3.9638	0.14	3 B?	
11003 Andronov	4.5223	0.19	2+	
11014 Svätopluk	2.25	0.25−0.48	3−	SWF
11015 Romanenko	77.9481	0.81	2	DWF
11017*Billputnam	6.749	0.42−0.50	3	
11019 Hansrott	S 3.009043		2 p N	LCI-W
11023 1986 QZ	22.176		2−	SWF
11027 Astaf′ev	4.87	0.08	2−	SWF
11031*1988 RC_5	3.408	0.24−0.32	2	SWF
11032 1988 RE_5	9.749	0.58	2	DWF
11035 1988 VQ_3	3.443	0.16	2	SWF
11037 Distler	4.071	2-		F
11040 Wundt			HN	DWF
11043 Pepping	3.40837	0.06	2	DWF
11045 1990 HH_1	S 3.973296		2 p N	LCI-W
11047 1990 QL_1	3.46728	0.04	2	DWF
11048 1990 QZ_5	5.9830	0.24	2+	
11052 1990 WM	S 5.06904		2 p N	LCI-W
11054 1991 FA	2.57223	0.04−0.15	3	
11057 1991 NL	8.05707	0.15	2	DWF
11058 1991 PN_{10}	6.517	0.39−0.78	3 p	
11062 1991 SN	24.846	0.34	2	DWF
11063 Poynting	7.926	0.53−0.56	3	
11064 Dogen	4.163	0.48−0.60	3−	
11065 1991 XE_2	>8.	>0.1	1+	
11066*Sigurd	8.4958	0.97−1.18	3	
11072 Hiraoka	4.7512	0.23−0.36	3	
11074 Kuniwake	2.622	0.27	2	SWF
11075 Dönhoff	393.497	0.65	2	DWF
11076*1992 UR	8.504	0.15−0.21	2	SWF
11077 1992 WB_2	8.813	1.27	2	SWF
11087*Yamasakimakoto	4.5369	0.66−0.73	3	
11088 1993 UN	58.524	0.73	2	SWF
11089 1994 CS_8	7.72	0.38−0.54	3	
11094 Cuba	10.0	0.48	2−	SWF
11095 Havana	9.836	0.54	2	SWF
11096 1994 RU_1	51.3987	0.29	2	DWF
11099 Sonodamasaki	7.251	0.37	3− p	
11100 Lai	>5.	>0.15	2	
11104 Airion	20.416	0.09	1	SWF
11107 Hakkoda	5.479	0.26	2	SWF
11108*Hachimantai	3.352	0.29−0.40	2	SWF
11110 1995 VT_1	17.4281	0.39	2	DWF
11114 1995 WV_5	3.51208	0.23	2	DWF
11116*1996 EK	4.40140	0.08−0.17	3 B?	
11118 Modra	27.12	0.42−0.53	3	
11120 Pancaldi	10.78	0.48	1+ DA	SWF
11127 Hagi	3.9157	0.45	3	
11129 Hayachine	17.6	0.22	2−	
11131 1996 VO_{30}	2.7890	0.12	3	
11133*Kumotori	4.634	0.29−0.33	2	SWF
11134 České Budějovice	3.797		2−	SWF
11141 Jindrawalter	5.89	0.65	2	SWF
11145 Emanuelli	12.7883	0.14	2	DWF
11146 Kirigamine	2.899		2−	SWF
11148 Einhardress	S 7.77240		2 p N	LCI-W
11149 Tateshina	12.85	0.42	3−	
11151 Oodaigahara	15.3498	0.20	2	DWF
11152 Oomine	2.622	0.10	3	
11155*Kinpu	6.88881	0.09−0.16	2 A	
11163 Milešovka	4.62156	0.46	2	DWF

Planet	Period	Variation	Note	Survey
11166 Anatolefrance	6.46783	0.08	2	DWF
11173 Jayanderson	63.511	0.09	1	SWF
11174 Carandrews	4.51	0.75−0.83	2 p	SWF
11184 Postma	5.30	0.11	2	SWF
11187 Richoliver	14.55	0.45	2 p	SWF
11196 Michanikos	S 5.17865		2 p N	LCI-W
11200*1999 CV_{121}	6.793	0.29−0.30	3	
11202 Teddunham	7.414	0.08	1	SWF
11209 1999 GP_{18}	S 8.21707		2 p N	LCI-W
11211 1999 GD_{24}	23.35	0.15	2	
11213 1999 HF_8	5.621	0.12	2 3	
11214 1999 HP_8	S 10.28759		2 p N	LCI-W
11216 Billhubbard	4.135	0.09	1	SWF
11217 1999 JC_4	4.8219	0.11	3	
11219 Benbohn	2.57	0.20	1	SWF
11220*1999 JM_{25}	11.280	0.54−0.61	2 p	SWF
11221*1999 JO_{26}	15.798	0.21−0.38	2	SWF
11222 1999 JR_{27}	178.908	0.32	2	DWF
11223 1999 JC_{30}	9.902	0.36	2	SWF
11227 Ksenborisova	2.61679	0.34	3 B	
11228 Botnick	S 13.58487		2 p N	LCI-W
11232*1999 JA_{77}	6.739	0.10−0.16	2	SWF
11244 Andrékuipers	18.914	0.26	2	SWF
11247 Wilburwright	15.9532	0.44	2	DWF
11250*1972 *AU*	2.812	0.15−0.20	3	
11251 Icarion	10.448	0.28−0.31	2 H	DWF
11252 Laërtes	9.15	0.18	2	
11254 Konkohekisui	8.79414	0.24	2	DWF
11261 Krisbecker	3.411	0.22−0.24	2	SWF
11264 Claudiomaccone	3.1872	0.12−0.16	2+ B	
11268 Spassky	5.646	0.43−0.65	3	
11271 1988 *KB*	6.362	0.35−0.36	3	
11272 1988 *RK*	6.6747	0.62	3	
11277 Ballard	>10.	>0.25	2−	
11278 Telesio	9.27845	0.49	2	DWF
11279 1989 *TC*	4.003	0.13−0.16	3−	
11280 Sakurai	2.630	0.05	1	SWF
11283 1989 UX_4	5.68	0.39	2	SWF
11284 Belenus	5.43	0.06−0.45	2+	
11286*1990 RO_8	21.445	0.44−0.60	2+	
11288 Okunohosomichi	3.687	0.32	2	SWF
11303 1993 CA_1	5.61794	0.31	2	DWF
11304 Cowra	95.7	0.40−1.0	2+ T0	
11310 1993 SB_{15}	11.134	0.63	2	SWF
11318 1994 XZ_4	2.977	0.33	2+	
11321 Tosimatumoto	7.80	0.25	2−	
11322 Aquamarine	900.543	0.69	2	DWF
11323 Nasu	2.65025	0.18	2	DWF
11333 Forman	3.00	0.12	2	SWF
11345 1996 *YM*	19.2043	0.14	2	DWF
11351 Leucus	445.732	0.53−0.7	3− T0	
11352 Koldewey	6.32	0.47	2	SWF
11354 1997 XY_9	6.192		2−	SWF
11356 Chuckjones	9.37515	0.26	2	DWF
11359 Piteglio	31.0443	0.18	2	DWF
11361 Orbinskij	2.95007	0.15	2	DWF
11366 1998 GL_9	101.233	0.33	2	DWF
11368 1998 HN_{115}	5.76823	0.52	2	DWF
11371 Camley	51.463		2−	SWF
11372 1998 QP_{41}	3.17	0.14	2	SWF
11375 1998 QB_{74}	8.00	0.43	2	SWF
11381 1998 SZ_{115}	3.054	0.20	2	SWF
11386 1998 TA_{18}	15.959	0.49−0.84	3	
11388 1998 VU_4	28.74	0.08	2+	
11393 1998 XJ_{53}	5.779	0.36	2	SWF
11395 1998 XN_{77}	17.383	0.08−0.14	3−	
11397 1998 XX_{93}	12.70	0.10−0.25	2+	
11398 1998 YP_{11}	38.60	0.20−0.46	3 T-	
11401 Pierralba	48.312		2−	SWF
11404 Wittig	13.424	0.69	2 p	SWF
11405 1999 CV_3	6.504	0.50−0.89	3	
11407 1999 CV_{50}	S 55.645		2 p N	LCI-W
11409 Horkheimer	S 10.27274		2 p N	LCI-W
11410 1999 FU_{34}	17.818	0.35	2	SWF
11412 1999 JE_{19}	3.12	0.33	2	SWF
11420*1999 KR_{14}	5.9755	0.21	3	
11424 1999 LZ_{24}	2.925	0.08−0.13	3	
11427 Willemkolff	17.8395	0.16	2	DWF
11429 Demodokus	50.16	0.18	2 p	
11430 Lodewijkberg			HN	DWF
11432 Kerkhoven	S 19.3609		2 p N	LCI-W
11434 Lohnert	16.428	0.90	3 p	
11436 1969 *QR*	2.65	0.27	2	
11437 Cardalda	2.926	0.31	3	
11438 Zeldovich	5.2	0.12	2−	
11440 Massironi	5.782	0.30	2	SWF
11441 Anadiego	3.179	0.11	2	
11443 1977 *CP*	3.367	0.07	1	SWF
11450 Shearer	5.422	0.45	2	SWF
11452 1980 *KE*	4.239	0.10	1	SWF
11454 Mariomelita	24.660	0.20	2	SWF
11455 Richardstarr	17.414	0.40	2	SWF
11457 Hitomikobayashi	9.18	0.26	1	
11459 Andráspál	3.04601	0.18	2	DWF
11461 Wladimirneumann	3.00184	0.10	2	DWF
11463 Petrpokorny	5.319	0.13	2	SWF
11465 Fulvio	21.9445	0.36	2	DWF
11466 Katharinaotto	166.093	0.55	2	DWF
11472 1981 SE_9	2.580		2−	SWF
11474 1982 SM_2	1917.221	0.04	1	SWF
11476 Stefanosimoni	6.687		2−	SWF
11478 1985 *CD*	5.260	0.10	2	SWF
11479 1986 EP_5	6.91	0.50	2 p	SWF
11482 1988 *BW*	7.136	0.64	2	SWF
11488 1988 RM_{11}	15.92	0.16	2	
11493 1988 VN_5	9.123		2−	SWF
11494 Hibiki	3.79801	0.33	2	DWF
11496 Grass	3.5	0.20	1 D	SWF
11500 Tomaiyowit	73.0	0.5	3 NT0	
11502 1989 WU_2	3.339		2−	SWF
11503 1990 *BF*	5.191	0.28	2	SWF
11505 1990 DW_2	S 5.94920		2 p N	LCI-W
11507 Danpascu	2.685	0.09	1	SWF
11508*Stolte	3.049	0.33−0.46	2	SWF
11509*Thersilochos	17.367	0.15−0.38	3	
11511 1990 WK_2	22.4006	0.22	2	DWF
11512 1991 AB_2	2.933	0.20	2+	
11513 1991 CE_1	125.834	0.44	2	DWF
11515 Oshijyo	3.34	0.37−0.50	2+	SWF
11517 Esteracuna	19.197		2	SWF
11521 Erikson	13.857		2−	SWF
11527 1991 VU_4	4.094	0.44−0.45	2	SWF
11528 Mie	7.202	0.38	2	SWF
11537 Guericke	3.980		2	SWF
11538 Brunico	9.47538	0.29	2	DWF
11539 1992 PQ_2	5.915		2−	SWF
11540 1992 PV_3	37.508		2−	SWF
11542 Solikamsk	13.428	0.49	3	
11543 1992 UN_2	26.828	0.67	2	SWF
11544*1992 UD_3	14.464	0.30−0.36	2	SWF
11546 Miyoshimachi	8.35	0.52	3	
11547 Griesser	3.34	0.16	2	SWF
11548*Jerrylewis	4.5151	0.14	3	
11549*1992 *YY*	2.6704	0.08−0.19	3	
11551 1993 BR_3	13.464	0.27	2	SWF
11552 Boucolion	32.44	0.21−0.25	2	
11555*1993 CR_1	3.32095	0.70	2 p A	DWF
11556 1993 *DV*	3.18	0.15−0.17	2	SWF
11563 1993 FO_{36}	26.442	0.32	2	SWF
11572 Schindler	7.429	0.49−0.51	2	SWF
11574 d'Alviella	12.549	0.15	2 A	
11575 1994 BN_4	165.226	0.98	2	DWF
11577 Einasto	11.3441	0.23	2	DWF
11579 Tsujitsuka	56.6	1.19	2 T?	
11582 Bleuler	9.599		2	SWF
11585 Orlandelassus	3.692		2−	SWF
11586 1994 UA_2	6.781	0.25	2	SWF
11594 1995 *HP*	6.314	0.56	2	SWF
11597 1995 KL_1	127.695	0.40	2	DWF
11601 1995 SE_4	464.297	0.78	2	DWF
11608 1995 WU_4	4.83468	0.26	2	DWF
11610 1995 XJ_1	5.825	0.30	2	SWF
11613*1995 YN_4	11.094	0.41−0.63	2	SWF
11616 1996 BQ_2	5.19887	0.34	2	DWF
11617 1996 CL_2	138.436	1.07	2	DWF
11618 1996 EX_1	S 40.2337		2 p N	LCI-W
11622 Samuele	2.67246	0.08	2	DWF
11625 Francelinda	>5.30	>0.17		SWF
11628 Katuhikoikeda	>1.00	>0.08		SWF
11633 1996 XG_9	10.9283	0.49	2	DWF

Planet	Period	Variation	Note	Survey
11637 Yangjiachi	5.92727	0.69	2	DWF
11639*1997 AO_4	3.58	0.16−0.19	2	SWF
11649 1997 BR_6	40.571	0.68	2	DWF
11650 1997 CN	7.7180	0.27−0.37	3	
11653 1997 CA_{20}	13.9506	0.25	2	DWF
11655 1997 CC_{29}	16.793	0.47	2	SWF
11658*1997 EQ_{17}	9.519	0.28−0.55	2	SWF
11659 1997 EX_{41}	S 15.58218		2 p N	LCI-W
11661 1997 FK_4	3.192	0.12	2	SWF
11662 1997 GL_{23}	>1.00	>0.15		SWF
11675 Billboyle	S 3.331653		2 p N	LCI-W
11676 1998 CQ_2	S 7.87741		2 p N	LCI-W
11677 1998 DY_4	3.1074	0.07−0.10	2 A	
11680 1998 DT_{11}	3.86	0.53−0.57	2	SWF
11681 Ortner	5.00	0.60−0.62	2	SWF
11682 Shiwaku	S 4.01885		2 p N	LCI-W
11683 1998 FO_{11}	8.048	0.34−0.35	2	SWF
11684 1998 FY_{11}	40.4204	0.28	2	DWF
11697 Estrella	2.805	0.33	2+	
11700*1998 FT_{115}	5.4	0.64	2 p	
11705 1998 GN_7	3.7187	0.32−0.45	3 p	
11706 Rijeka	12.930	0.23	2	SWF
11709 Eudoxos	2.64	0.24	2−	
11716 Amahartman	2.53	0.27	2	SWF
11718 Hayward	6.063	0.30	2	SWF
11719 Hicklen	20.553	0.24	2	SWF
11721 1998 HE_{100}	3.98532	0.39	2	DWF
11723 1998 HT_{125}	4.118	0.52	2	SWF
11727 Sweet	3.761	0.27	2	SWF
11728 Einer	12.92	0.19	2	
11733 1998 KJ_{52}	21.7197	0.30	2	DWF
11734 1998 KM_{55}	12.667	0.45	2	DWF
11735*1998 KN_{56}	8.535	0.25−0.26	2	SWF
11736 Viktorfischl	9.783		2−	SWF
11737*1998 QL_{24}	184.676	0.25−0.37	2	SWF
11739 Baton Rouge	4.8	0.27	2−	
11742 1999 JZ_5	S 12.17299		2 p N	LCI-W
11745 1999 NH_3	3.280	0.16−0.17	3	
11749 1999 NZ_{10}	27.540	0.21	2	SWF
11752 Masatakesagai	5.122	0.30	2	SWF
11756 Geneparker	10.571	0.30	2	SWF
11759 Sunyaev	3.720	0.18	2	SWF
11762 Vogel	6.218	0.53	2	SWF
11763 Deslandres	3.60	0.61	2	SWF
11768 Merrill	11.4028	0.48	2	DWF
11771 Maestlin	4.098	0.07	1	SWF
11773 Schouten	5.540	0.27	2	SWF
11774 Jerne	648.120	0.68	2	SWF
11775 Köhler	8.21	0.37	2	SWF
11776 Milstein	3.807	0.57−0.67	3	
11778 Kingsford Smith	2.93858	0.26	2	DWF
11780 Thunder Bay	295.	0.70	3 T0	
11781 Alexroberts	4.187		2	SWF
11785 Migaic	20.716	0.30	2 p	SWF
11786 Bakhchivandji	8.427	0.87	2	SWF
11787 Baumanka	7.593	0.23	3−	
11789*Kempowski	48.6	0.48	2 AT0	
11796 Nirenberg	S 43.4745		2 p N	LCI-W
11797 Warell	S 3.816218		2 p N	LCI-W
11801 Frigeri	2.127	0.07	1	SWF
11817 Oguri	43.263	0.64−0.67	2	SWF
11820*Mikiyasato	6.419	0.42−0.44	2	SWF
11823 Christen	S 16.3133		2 p N	LCI-W
11824 Alpaidze	4.116	0.05	1	SWF
11825 1982 UW_1	16.6668	0.22	2	DWF
11828 Vargha	10.518	0.53	2	SWF
11829 Tuvikene	44.498	0.72−0.83	3−	
11830 Jessenius	46.8	0.16	2	
11831 1984 SF_3	32.300	0.49	2	SWF
11833 Dixon	3.595	0.19	3	
11836 Eileen	8.810	0.25	3	
11839 1986 QX_1	S 15.4350		2 p N	LCI-W
11840 1986 QR_2	>2.25	>0.28		SWF
11842 Kap' bos	3.68578	0.10−0.16	3	
11847 Winckelmann	5.33378	0.07	2	DWF
11852*Shoumen	6.003	0.23−0.24	3	
11855 Preller	3.571		2	SWF
11858 1988 RC_{11}	4.596		2−	SWF
11862 1988 XB_2	2.381	0.14	2	SWF
11864 1989 NH_1	7.597	0.44−0.50	3	
11868 Kleinrichert	24.	0.29	1	
11869 1989 TS_2	14.020	0.28−0.34	2	SWF
11873*Kokuseibi	4.7688	0.28−0.31	3	
11874 Gringauz	>1.02	>0.29		SWF
11877 1990 EL_8	3.057	0.30	2	SWF
11880 1990 QQ_4	7.32	0.11	2	SWF
11885*Summanus	7.368	0.18	3	
11887 Echemmon	8.47	0.15	2	
11888 1990 UD_3	186.514	0.39	2	DWF
11889 1991 AH_2	14.940	0.45	3	
11891 1991 FJ_2	3.61	0.25−0.36	3	SWF
11899 Weill	30.284	0.10	1	SWF
11900 Spinoy	S 4.368240		2 p N	LCI-W
11901*1991 PV_{11}	9.3768	0.45−0.61	3	
11903 1991 RD_7	30.9627	0.30	2	DWF
11904 1991 TR_1	18.233	0.11−0.32	3	
11908 Nicaragua	S 4.118827		2 p N	LCI-W
11912 Piedade	10.142	0.07	1	SWF
11916 Wiesloch	16.6677	0.58	2	DWF
11917 1992 UX	89.317	0.32	2	SWF
11918 1992 UY	6.307	0.26	2	SWF
11922 1992 UT_3	4.762	0.46	2	SWF
11928 Akimotohiro	2.95683	0.12	2	DWF
11931*1993 DD_2	19.9	0.06−0.12	1+	
11937 1993 FF_{16}	8.963	0.38	2	SWF
11941 Archinal	2.717	0.18−0.30	3	
11943 Davidhartley	15.674	0.56	2	DWF
11946 Bayle	14.0	0.68−0.71	2	SWF
11949 Kagayayutaka	3.96	0.28	3−	
11952 1994 AM_3	3.978	0.71−0.84	2	SWF
11958 Galiani	9.801	0.96	2+ p	
11962 1994 PX	3.967	0.37−0.42	2	SWF
11968 Demariotte	S 16.6287		2 p N	LCI-W
11974 Yasuhidefujita	26.158	0.41	2	SWF
11976 Josephthurn	3.535	0.08−0.15	3−	
11977 Leonrisoldi	7.78763	0.32	2	DWF
11978 Makotomasako	24.	0.03	1−	
11981 Boncompagni	152.278	0.61	2	DWF
11985 1995 VG	36.314	0.19	2	SWF
11989 1995 WN_5	>5.48	>0.20		SWF
11992 1995 XH	13.782	0.27	2	SWF
11993 1995 XX	13.95	0.41	3−	SWF
11995 1995 YB_1	S 12.66498		2 p N	LCI-W
11996 1995 YC_1	50.859	0.71	2	SWF
12003 Hideosugai	S 9.0157		2 p N	LCI-W
12008*Kandrup	32.9034	0.61−0.85	3 B	
12016 Green	5.055	0.70	2	
12018 1996 XJ_{15}	79.5094	0.83	2	DWF
12020 1996 XW_{19}	9.935	0.15	2	SWF
12022 Hilbert	9.553	0.09	1	SWF
12023 1996 YJ	11.8017	0.25	2	DWF
12029 1997 AQ_{22}	7.13517	0.36	2	DWF
12032 Ivory	30.165	0.10	1	SWF
12033*Anselmo	5.307	0.20−0.28	2	SWF
12039 1997 CB_{22}	3.799	0.18	2	SWF
12044*Fabbri	4.422	0.14−0.42	3−	
12045*Klein	8.9686	0.46−0.55	3− p	
12051 Pícha	4.0	0.14	2	
12052 Aretaon	8.05	0.15−0.19	2	
12061 Alena	15.3944	0.16	2	DWF
12067 Jeter	69.5753	0.17	2	DWF
12068 Khandrika	22.209		2−	SWF
12071*Davykim	3.5483	0.23−0.30	3	
12080 1998 FC_{111}	16.334	0.32−0.53	2	SWF
12081 1998 FH_{115}	16.6062	0.24	3	
12082 1998 FS_{118}	5.698	0.47	2	SWF
12088*Macalintal	3.342	0.29−0.57	2 p	SWF
12097*1998 HG_{121}	6.850	0.29−0.42	2 p	SWF
12104 Chesley	3.9456	0.47−0.78	2+	
12105 1998 KA_{10}	5.706		2	SWF
12106 Menghuan	9.48478	0.18	2	DWF
12109 1998 KD_{51}	13.9467	0.28	2	DWF
12115 Robertgrimm	23.082	0.20	2	DWF
12117 Meagmessina	27.944	0.66−0.77	2	SWF
12118 Mirotsin	2.89	0.12	2	SWF
12119 Memamis	7.00	0.70	1 DA	SWF
12120 1999 NQ_{41}	47.2097	0.32	2 DA	DWF
12122 1999 NV_{55}	13.851	0.27	2	SWF
12125 Jamesjones	>0.92	>0.05		SWF
12127 Mamiya	7.86725	0.17	2	DWF

Planet	Period	Variation	Note	Survey
12130 Mousa	2.551	0.25	2	SWF
12133 Titulaer	5.517	0.65	2	SWF
12135*Terlingen	5.951	0.46−0.52	2	SWF
12136*Martinryle	6.976	0.12−0.38	2	SWF
12138 Olinwilson	14.432	0.31	2	SWF
12140 Johnbolton	66.830	0.35	2	SWF
12143 Harwit	33.474		2−	SWF
12161 Avienius	3.13	0.11	2	SWF
12168*Polko	9.4071	0.70−1.44	3	
12183 1975 SU_1	3.56	0.26	2+	SWF
12186 Mitukurigen	11.197	0.29	2	SWF
12190 Sarkisov	2.684	0.18	2	SWF
12193*1979 EL	7.5766	0.25−0.41	2+	
12198 1980 PJ_1	5.494	0.23	3	
12205 1981 EZ_{26}	1.16	0.14	1	
12207 1981 EU_{28}	4.836	0.26	3	
12211 Arnoschmidt	3.956	0.37	2	SWF
12214 Miroshnikov	9.960	0.24	2	SWF
12217 1982 JD_2	9.02853	0.43	2	DWF
12220 Semenchur	5.992	0.57−0.64	2 p	SWF
12228 1985 TZ_3			HN	DWF
12232 1986 QZ_2	S 32.8150		2 p N	LCI-W
12235 Imranakperov	15.9555	0.41	2	DWF
12236 1987 DD_6	6.06	0.95	1 DA	SWF
12237 Coughlin	80.4	1.62	2 T0	
12238 Actor	7.284	0.29−0.33	2	
12241 Lefort	3.153	0.49	2	SWF
12242 Koon	17.0111	0.40	2	DWF
12245 1988 RM_7	9.604	0.67	2	SWF
12256 1989 CJ_8	7.93281	0.30	2	DWF
12263 1989 YA_4	2.75	0.06	2	SWF
12264 1990 CD	4.147	0.14	2	SWF
12265 1990 FG	56.6	0.65	2 T-	
12269 1990 QR	76.	1.2	1+	
12271 1990 RC_2	2.54	0.4	1	
12279 Laon	S 5.59803		2 p N	LCI-W
12282 Crombecq	3.426	0.21	3−	
12286 Poiseuille	2.597	0.14−0.17	2	SWF
12287 Langres	7.32	0.46	2	SWF
12290 1991 LZ	21.96	0.16	2 p	
12291 Gohnaumann	S 3.22070		2 p N	LCI-W
12292 Dalton	6.188	0.35	2	SWF
12293 1991 NV_1	3.39153	0.46	2	DWF
12296 1991 PL_{13}	23.742		2−	SWF
12298 Brecht	3.803	0.32	2	SWF
12299 1991 PV_{17}	27.726		2	SWF
12304 1991 SR_1	S 65.814		2 p N	LCI-W
12307 1991 UA	>3.72	>0.19		SWF
12317 Madicampbell	7.264	0.65	2+	
12321 Zurakowski	3.296	0.05	1	SWF
12326 Shirasaki	2.7286	0.12	3 BN	
12331 1992 UH_6	2.727	0.02	1	
12332 1992 UJ_6	43.	0.62	2	
12334 1992 WD_3	S 11.44027		2 p N	LCI-W
12336 1992 WO_3	2.9527	0.16	3	
12341 Calevoet	9.089		2	SWF
12352 Jepejacobsen	13.395	0.42	2	SWF
12353 Màrquez	9.14	0.53	2	SWF
12356 Carlscheele	6.445	0.38	2	SWF
12357 Toyako	8.330	0.65	2	SWF
12359 Cajigal	11.766	0.27	2	SWF
12360 Unilandes	11.370	0.31−0.35	3−	SWF
12369 Pirandello	3.504	0.07	2	
12373 Lancearmstrong	7.01962	0.17	2	DWF
12374 Rakhat	18.170	0.31	2 p	SWF
12375 1994 NO_1	S 39.5042		2 p N	LCI-W
12376 Cochabamba	6.32068	0.37	3 p	
12377 1994 PP	9.455	0.23−0.47	3−	
12379 Thulin	50.6	0.38	2 H	DWF
12381 Hugoclaus	2.86845	0.11	2	DWF
12383 Eboshi	S 48.7598		2 p N	LCI-W
12384 Luigimartella	6.440	0.80	2 p	SWF
12387 Tomokofujiwara	3.73619	0.08	2	DWF
12390 1994 WB_1	2.4629	0.05−0.09	3	
12391 Ecoadachi	36.931	0.36	2	SWF
12395 Richnelson	5.248	0.26	2	SWF
12400*Katumaru	2.610	0.09−0.13	2	SWF
12404 1995 QW_3	11.7667	0.22	2	DWF
12405 Nespoli	13.218	0.67	2	SWF
12412 Muchisachie	49.289		2−	SWF
12415 Wakatatakayo	4.3606	0.65−0.68	3 p	
12416*1995 TS	>20.	>0.2	2 D	
12417 1995 TC_8	S 5.10890		2 p N	LCI-W
12419 1995 UP_4	22.897	0.26	2	SWF
12421 Zhenya	S 7.70523		2 p N	LCI-W
12422 1995 US_8	3.4	0.36	2−	
12424*1995 VM	173.772	0.81−1.05	2	SWF
12425 1995 VG_2	8.32227	0.43	2	DWF
12426 Racquetball	2.882	0.22	2	SWF
12429 1995 WH_7	19.122	0.27	2	SWF
12432 Usuda	12.862	0.58	2	SWF
12443 Paulsydney	15.28	0.64	2	SWF
12444*Prothoon	15.82	0.20−0.26	3−	
12446 Juliabryant	3.20766	0.25	2 A	DWF
12453 1996 YY	10.00	0.33	3	
12454 1996 YO_1	8.089	0.77	2	SWF
12459 1997 AQ_4	4.70	0.33	2	SWF
12463 1997 AL_7	2.63	0.28	2	SWF
12465 Perth Amboy	121.577	0.87	2	SWF
12466 1997 AS_{12}	2.675	0.06	3	
12480 1997 EW_{45}	32.9069	0.27	2	DWF
12481 Streuvels	29.2271	0.30	2	DWF
12482*Pajka	3.9428	0.21−0.25	3−	
12492 Tanais	3.007	0.35	2	SWF
12494 Doughamilton	39.2603	0.57	2 A	DWF
12496 Ekholm	2.54597	0.13	2	DWF
12498 Dragesco	2.534	0.27	2	SWF
12502 1998 FO_{68}	6.190	0.35	2	SWF
12509 Pathak	4.20521	0.27	2	DWF
12512*Split	5.7781	0.46	3	
12515*Suiseki	20.7202	0.48	2 p	DWF
12516 1998 HB_{45}	64.2899	0.73	2	DWF
12518 1998 HM_{52}	7.051		2−	SWF
12521 1998 HT_{95}	4.23534	0.31	2	DWF
12523*1998 HH_{100}	2.1216	0.11−0.14	2	DWF
12524 Conscience	10.011	0.48	2	SWF
12526 de Coninck	8.647	0.79	2	SWF
12527*Anneraugh	7.61665	0.10−0.26	2−	DWF
12529 Reighard	4.837	0.29	2	SWF
12532 1998 KW_{54}	4.968	0.37	2	SWF
12538*1998 OH	2.575	0.10−0.28	3 T?	
12540 Picander	3.546	0.67	2	SWF
12549 1998 QO_{26}	>1.13	>0.08		SWF
12551 1998 QQ_{39}	11.202	0.95	3 p	LCI-W
12552 1998 QQ_{45}	4.80005	0.33	2	DWF
12558 1998 QV_{63}	9.409	0.26	2	SWF
12559*1998 QB_{69}	6.21	0.15−0.19	3	
12562 Briangrazer	18.7032	0.24	2	DWF
12564 Ikeller	7.042	0.35−0.44	2	SWF
12577 Samra	329.228	0.96	2	SWF
12578*Bensaur	6.008	0.54−0.58	2	SWF
12580 Antonini	8.717	0.89	2	SWF
12583 Buckjean	15.570	0.35	2	SWF
12584 Zeljkoandreic	7.071	0.19	2	SWF
12587 1999 RD_{95}	49.277	0.24	2	SWF
12588 1999 RR_{98}	20.9884	0.06	2	DWF
12591 1999 RT_{133}	S 18.4175		2 p N	LCI-W
12594 1999 RU_{145}	80.312	0.82	2	SWF
12601 Tiffanyswann	3.867	0.42	2	SWF
12603 Tanchunghee	5.811	0.09	1	SWF
12604 Lisatate	98.2009	0.58	2	DWF
12609 Apollodoros	10.272	0.09	1	SWF
12613 Hogarth	3.62	0.20	2	SWF
12614*Hokusai	5.8447	0.35−0.80	3−	
12616 Lochner	10.48	0.36	3−	SWF
12619 Anubelshunu	5.847	0.58	2	SWF
12621 Alsufi	4.719	0.71	2	SWF
12623 Tawaddud	15.8843	0.48	2	DWF
12625 Koopman	12.983	0.31	2	SWF
12634 LOFAR	3.34	0.35	2	SWF
12644 Robertwielinga	3.185		2	SWF
12650 de Vries	5.358	0.28	2	SWF
12659 Schlegel	9.70	0.30	1	SWF
12662*1978 CK	7.398	0.28−0.38	2	SWF
12667*1979 DF	7.77	0.21−0.46	3−	SWF
12672 Nygårdh	2.77	0.18	2	SWF
12674 Rybalka	3.594	0.22	2	SWF
12675 Chabot	3.182	0.15	2	SWF
12676 1981 DU_1	10.21	0.14	2	
12688 Baekeland	3.46999	0.31	2	DWF

Planet	Period	Variation	Note	Survey
12691 1988 VF_2	5.2901	0.48	2	DWF
12693 1989 EZ	5.89	0.41	2	
12696 Camus	3.78	0.40	3−	
12697 Verhaeren	9.978	0.60−0.67	2	SWF
12699 1990 DD_2	21.10	0.34	1 DA	SWF
12700 1990 FH	9.037	0.27	3	
12703 1990 SV_{13}	5.18858	0.44	2	DWF
12706 Tanezaki	11.5274	0.70	2+	
12707 1990 UK	53.9613	0.23	2	DWF
12708 Van Straten	3.326	0.36−0.45	2	SWF
12711 Tukmit	3.4848	0.70	3	
12714 Alkimos	28.48	0.27	3−	
12721 1991 PB	30.	<0.35	2− N	
12723 1991 PD_{10}	3.1183	0.13	2	DWF
12729 Berger	10.8065	0.54	2	DWF
12730 1991 RU_8	5.297		2	SWF
12731 1991 RW_{12}	8.807	0.09	1	SWF
12733 1991 TV_1	34.0793	0.53	2	DWF
12735*1991 VV_1	3.2606	0.10−0.22	3−	
12738*Satoshimiki	8.708	0.20−0.25	3	
12740 1992 EX_8	>10.		N	
12747 Michageffert	2.93	0.22	2	SWF
12753 Povenmire	17.5752	0.45−1.12	3 p	
12755 Balmer	6.593	0.49−0.51	2	SWF
12756 1993 QE_1	3.472	0.48	3	
12768 1994 EQ_1	>1.10	>0.07		SWF
12769 Kandakurenai	4.222	0.55−0.96	3	
12771 Kimshin	6.34603	0.37	2	DWF
12774 Pfund	S 7.34295		2 p N	LCI-W
12777 Manuel	2.789	0.26	2	SWF
12788 Shigeno	35.445	0.77	2	SWF
12789 Salvadoraguirre	7.0325	0.26	3	
12791 1995 UN_4	18.754		2−	SWF
12793 Hosinokokai	12.63	0.54	2	SWF
12797 1995 WL_4	S 8.50897		2 p N	LCI-W
12798 1995 WZ_4	2.7894	0.21	3	
12802 Hagino	23.370		2−	SWF
12808 1996 AF_1	263.095	0.30	2	SWF
12815 1996 DL_2	15.8	0.5	1+ A	
12820 Robinwilliams	10.44	0.36	1 DA	SWF
12822 1996 XD_1	S 5.11236		2 p N	LCI-W
12823 Pochintesta	7.8	0.35	2	
12825 1997 AJ_7	10.79	0.52	2	SWF
12831 1997 BS_6	4.357	0.52	2	SWF
12834*Bomben	>20.	0.15−0.6	2	SWF
12835 Stropek	4.487		2−	SWF
12838 Adamsmith	10.909	0.48	2	SWF
12841*1997 GD_8	8.42	0.73−0.91	3	SWF
12845 Crick	3.54	0.15−0.21	2	SWF
12848 Agostino	6.322	0.51−0.84	2	SWF
12849*1997 QD_2	21.2217	0.12−0.15	2	DWF
12850 Axelmunthe	76.4219	0.57	2	DWF
12854 1998 HA_{13}	50.6	0.34	1 N	
12860 Turney	438.135	0.08	1	SWF
12867*Joëloïc	813.0	0.71	2+	
12868*Onken	115.	0.44−0.6	2	
12873 Clausewitz	4.94161	0.26	2	DWF
12875 1998 QA_2	15.48	0.63	3−	SWF
12877 1998 QF_{11}	11.89	0.41	2+	
12878 Erneschiller	4.74	0.68	2	SWF
12880 Juliegrady	18.8	0.9	2−	
12882 1998 QS_{31}	47.532	0.09	1	SWF
12884 1998 QL_{34}	10.375	0.38	2	SWF
12885*1998 QM_{34}	3.60	0.15−0.16	2	SWF
12888 1998 QR_{42}	3.799	0.24	2	SWF
12889 1998 QW_{42}	5.363	0.48	2	SWF
12891 1998 QH_{51}	7.296	0.09	1	SWF
12892 1998 QE_{52}	47.6711	0.18	2	DWF
12894 1998 QN_{73}	191.096	0.38	2	DWF
12895 Balbastre	3.469	0.08−0.11	2	SWF
12896 Geoffroy	11.36	0.23	1+ DA	SWF
12903 1998 RK_{57}	>4.37	>0.15		SWF
12908 Yagudina	S 12.28394		2 p N	LCI-W
12911 Goodhue	13.281		2	SWF
12912 Streator	4.144	0.32	2	SWF
12920 1998 VM_{15}	9.0511	0.19−0.31	2+ A	
12923 Zephyr	3.891	0.18	3 N	
12929*1999 TZ_1	13.73	0.07−0.17	2 A	
12934 Bisque	54.625	0.77	2	SWF
12945 9534 P–L	9.779		2	SWF
12946 1290 T–1	>1.33	>0.11		SWF
12958 2276 T–2	3.22	0.19	2+	SWF
12961 4262 T–2	S 5.31117		2 p N	LCI-W
12963 5485 T–2	11.004	0.07	1	SWF
12971 4054 T–3	5.36746	0.32	2	DWF
12972 Eumaios	13.4	0.13	2−	
12974 Halitherses	6.971	0.48−0.52	2+ H	
12978 Ivashov	5.703		2−	SWF
12979 Evgalvasil′ev	S 5.78331		2 p N	LCI-W
12982 1979 MS_5	601.869	0.86	2	SWF
12984 Lowry	5.19	0.29	2	SWF
12989 1981 EV_9	5.67	0.79	2	
12991 1981 EN_{21}	3.44	0.24	2	SWF
12995 1981 EY_{27}	5.1727	0.08	2	DWF
12999 Toruń	3.552	0.09	1	SWF
13000 1981 QK_3	374.596	0.59	2	DWF
13002 1982 BJ_{13}	S 3.13844		2 p N	LCI-D
13003 Dickbeasley	3.502	0.30−0.44	3−	
13006 Schwaar	6.8	0.17	3−	
13009 Voloshchuk	14.8212	0.67	3	
13012*1987 SO_5	5.817	0.34−0.69	2	SWF
13014 Hasslacher	7.62	0.21	1	
13015 Noradokei	11.6683	0.33	2	DWF
13017 Owakenoomi	3.0393	0.15	2	DWF
13018 Geoffjames	4.334	0.46−0.67	3	
13019 1988 NW	5.906	0.38	2	SWF
13020 1988 PW_2	3.103	0.23	2	SWF
13023*1988 XT_1	23.1379	0.23	2	DWF
13025 Zürich	18.53	0.24	2+	
13026 1989 CX	6.163	0.4	2−	
13033 Gardon	>0.97	>0.40		SWF
13035 1989 UA_6	10.639	0.57	3− p	
13036 1989 YO_3	4.73	0.13	2−	SWF
13040 1990 OB_4	55.1035	0.42	2	DWF
13044 Wannes	18.0433	0.16	2	DWF
13054 1990 ST_{15}	4.368		2	SWF
13058 Alfredstevens	4.299	0.45	2	SWF
13059*Ducuroir	13.850	0.56−0.78	2 p	SWF
13061 1991 FL_2	11.812	0.19−0.21	2	SWF
13063 Purifoy	10.3435	0.86	3	
13069 Umbertoeco	5.736	0.51	2	SWF
13070 Seanconnery	7.085	0.18	3−	
13075 1991 UN_1	36.5703	0.16	2	DWF
13076 1991 VT_3	>1.07	>0.05		SWF
13077 Edschneider	173.03	0.62	2	DWF
13085 Borlaug	5.532	0.15−0.21	2	SWF
13087 Chastellux	22.729		2	SWF
13089 1992 PH_2	3.68	0.35	2+	
13093 Wolfgangpauli	3.206	0.18	2	SWF
13098 1993 FM_6	5.78	0.24	2	SWF
13106 1993 FV_{48}	12.979		2−	SWF
13109 Berzelius	4.28545	0.35	2	DWF
13111 Papacosmas	16.9909	0.04	2	DWF
13116 Hortensia	47.4562	0.45	2	DWF
13118 La Harpe	5.05805	0.11	2	DWF
13119 1993 VD_4	68.2565	0.41	2	DWF
13123 Tyson	3.3303	0.20−0.35	3 B?	
13124 1994 PS	3.291	0.19	3−	
13127 Jeroenbrouwers	8.424	0.68	2	SWF
13132 Ortelius	26.716		2	SWF
13133*Jandecleir	3.332	0.94−1.01	2	SWF
13138 1994 VA	57.	>0.1	2	
13143 1995 AF	4.9813	0.27	3	
13144 1995 BJ	189.	0.81	2	SWF
13147 Foglia	2.78	0.14	2	SWF
13154 Petermrva	2.9850	0.14−0.21	3	
13155 1995 SB_1	4.740	0.07	1	SWF
13159 1995 UW_3	14.541		2−	SWF
13164 1995 VF	3.334	0.46−0.48	2	SWF
13165 1995 WS_1	64.19	0.69	2	DWF
13166 1995 WU_1	3.8123	0.13−0.22	3	
13169 1995 XS_1	3.68	0.19	2	SWF
13173 1996 AJ_2	26.160	0.44	2	SWF
13176 Kobedaitenken	S 15.5790		2 p N	LCI-W
13178 Catalan	12.926	0.28	2	SWF
13183 1996 TW	20.232	0.24	2	DWF
13184 Augeias	11.934	0.15−0.16	2+ H	
13185 Agasthenes	11.453	0.03−0.13	1 H	DWF
13186 1996 UM	4.304	0.34−0.69	3	
13187 1997 AN_4	12.97	0.20	2	SWF

Planet	Period	Variation	Note	Survey
13188 Okinawa	11.8	0.21	2−	SWF
13189 1997 AF_{13}	5.9371	1.10	3	
13194 1997 CA_1	>2.92	>0.20		SWF
13197 Pontecorvo	6.237	0.48	2	SWF
13198 Banpeiyu	3.57	0.15	2	SWF
13199 1997 EW_{25}	35.6006	0.16	2	DWF
13206 Baer	3.42	0.23	2	SWF
13213 Maclaurin	7.388	0.20	2	DWF
13214 Chirikov	3.509	0.30	2	SWF
13228 1997 SJ_{25}	25.385	0.10	1	SWF
13229 Echion	8.46	0.27−0.33	2+	
13230 1997 VG_1	42.4	0.20	2+	
13236 1998 HF_{96}	S 7.20099		2 p N	LCI-W
13241 Biyo	4.4	0.99	2 D	
13243 1998 KZ_{47}	88.4	1.20	2 H	DWF
13244 Dannymeyer	28.1314	0.59	2	DWF
13245 1998 MM_{19}	4.667	0.28−0.47	3	
13246 1998 MJ_{33}	14.0	0.22−0.25	2+	SWF
13255 1998 OH_{14}	3.2941	0.12	3−	
13256*Marne	6.238	0.79−0.81	2	SWF
13258 Bej	4.59	0.23	2	SWF
13260 Sabadell	6.4366	0.56	3	
13262 1998 QF_{17}	8.35	0.48	2	SWF
13263 1998 QV_{22}	4.803	0.29	2	SWF
13266 1998 QY_{30}	4.854	0.64	2	SWF
13269 Dahlstrom	26.133		2	SWF
13277 1998 QV_{40}	152.064	0.66	2	DWF
13283 Dahart	4.32	0.39	2	SWF
13284 1998 QB_{52}	5.2626	0.10−0.20	3	
13286 Adamchauvin	19.2932	0.26	2	DWF
13290 1998 QN_{75}	5.384	0.03	2−	
13291 1998 QH_{77}	4.19068	0.26	2	DWF
13294 Rockox	3.24305	0.42	2	DWF
13297 1998 RX	40.0825	0.37	2	DWF
13306 1998 RT_{58}	5.433	0.41	2	SWF
13323 1998 SQ	29.230	0.27−0.46	2	SWF
13325 Valérienataf	7.00971	0.53	2	DWF
13329 Davidhardy	65.152	0.47	2	SWF
13331 1998 SU_{52}	375.	0.44−0.80	3− T?	
13334 Tost	5.73374	0.29	2	DWF
13337 1998 SZ_{114}	4.039	0.18−0.23	2	SWF
13338 1998 SK_{119}	S 4.129105		2 p N	LCI-W
13340 1998 SM_{123}	5.65818	0.08	2	DWF
13342 1998 SF_{127}	51.2413	0.24	2	DWF
13343 1998 SY_{127}	3.47	0.41−0.45	2	SWF
13349 1998 SD_{139}	3.22	0.39	2	SWF
13352 Gyssens	3.04023	0.16	2	DWF
13353 1998 TU_{12}	53.52	0.24	2−	
13355 1998 TP_{17}	S 3.657467		2 p N	LCI-W
13361 1998 UM_8	15.2309	0.08	2	DWF
13362 1998 UQ_{16}	15.13	0.35	3−	
13364*1998 UK_{20}	9.114	0.59−0.64	2	SWF
13366 1998 US_{24}	400.	0.23	2− H	DWF
13369 1998 UF_{37}	63.314		2−	SWF
13371 1998 VH_5	S 64.581		2 p N	LCI-W
13372 1998 VU_6	20.176	0.36−0.43	2 H	DWF
13374 1998 VT_{10}	3.23	0.41	2	
13376 Dunphy	4.32	0.06	1	
13378 1998 VF_{35}	102.546	0.77	2	SWF
13379 1998 WX_9	13.698	0.11−0.15	2 HA	DWF
13384 1998 XG_{79}	182.230	0.82	2	SWF
13388 1999 AE_6			N	LCI-W
13389 Stacey	21.688	0.30	2	SWF
13390 Bouška	7.757	0.30	2	SWF
13391 1999 JF_{37}	48.004	0.41	2	DWF
13393 1999 ND_9	S 5.084686		2 p N	LCI-W
13398*1999 RF_{62}	5.6818	0.13	3	
13400 1999 RC_{94}	25.851		2	SWF
13403 Sarahmousa	4.300		2−	SWF
13405 Dorisbillings	11.6705	0.21	2	DWF
13407 1999 TF_4	4.264	0.38	3−	SWF
13409 1999 US	9.548	0.68	2	SWF
13429 1999 VM_{35}	81.366	0.81	2	SWF
13430 1999 VM_{36}	8.1	1.52	2	SWF
13436 Enid	S 11.67828		2 p N	LCI-W
13446 Almarkim	S 5.5116		2 p N	LCI-W
13448 Edbryce	12.229		2−	SWF
13452 6513 *P–L*	2.60714	0.13	2	DWF
13459 4235 *T–1*	170.109	0.18	2	DWF
13460 1083 *T–2*	5.533	0.63	2	SWF

Planet	Period	Variation	Note	Survey
13465 1194 *T–3*	6.96601	0.46	2	DWF
13468 3378 *T–3*	128.112	0.55	2	SWF
13474*V'yus	6.587	0.62−0.85	3	
13478*Fraunhofer	49.9	0.39−0.45	2	
13480 Potapov	10.86	0.68−0.76	2	SWF
13482*Igorfedorov	13.55	0.55−0.56	3− p	
13488 Savanov	5.678	0.72	2 p	SWF
13497 Ronstone	11.847	0.90	3	
13503 1988 RH_6	6.9	0.23	2− A	SWF
13504 1988 RV_{12}	26.543	0.48−0.61	3	
13505 1989 AB_3	498.39	0.40	2	DWF
13518 1990 VL_1	6.885	0.26	2	
13519 1990 VM_3	6.297	0.40	2	SWF
13520 Félicienrops	>0.98	>0.05		SWF
13526 Libbrecht	6.276	0.51−0.71	2	SWF
13527 1991 PJ_{15}	7.33	0.12	2	SWF
13530 Ninnemann	S 4.719767		2 p N	LCI-W
13531 Weizsäcker	17.628	0.21	2	SWF
13533 Junili	>6.	0.15	1+	
13534 Alain–Fournier	6.214	0.92	2 p	SWF
13535 1991 RS_{13}	S 5.22705		2 p N	LCI-W
13536 1991 RA_{15}	8.749	0.22−0.23	2	SWF
13538 1991 ST	12.3206	0.82−0.89	3	
13553 Masaakikoyama	58.	0.44−1.1	2 T	
13555 1992 JB_2	7.0	0.52	2	
13567*Urabe	5.960	0.22−0.24	2	SWF
13573 1993 FZ_{18}	3.06	0.07	2− A	
13575 1993 GN	13.537	0.20	2	SWF
13578 1993 MK	3.960	0.10−0.55	3	
13580 de Saussure	12.31	0.17	2	SWF
13581 1993 QX_4	4.56853	0.09	2	DWF
13585 Justinsmith	S 50.281		2 p N	LCI-W
13593 1994 NF_1	113.739	0.64	2	SWF
13605 Nakamuraminoru	5.50187	0.30	2	DWF
13607 Vicars	4.133	0.32	2	SWF
13608 Andosatoru	2.053	0.06	1	SWF
13609 Lewicki	12.67	0.45	2+	
13621 1995 GC_7	17.6841	0.20	2	DWF
13629 1995 WD_2	S 6.91630		2 p N	LCI-W
13637 1995 YO_3	3.600	0.39	2	SWF
13639 1996 EG_2	3.48333	0.27	2	DWF
13642 Ricci	3.076	0.76	2	SWF
13643*Takushi	83.838	0.80−1.00	2+ p T0	
13644 Lynnanderson	21.844	0.97	2	SWF
13649 1996 PM_4	S 5.51386		2 p N	LCI-W
13651 1997 BR	33.644	1.2	3 T	
13657 Badinter	4.545		2	SWF
13665 1997 GK_{17}	37.631	0.92	3−	
13678 Shimada	6.8025	0.13	2+	
13679 Shinanogawa	2.806	0.17	3−	
13681 Monty Python	5.030	0.41	2	SWF
13684 Borbona	44.4461	0.39	2	DWF
13685 1997 QG_4	5.21918	0.64	2	DWF
13691 Akie	164.958	0.41	2	DWF
13693 Bondar	11.555	0.61	2	SWF
13694 1997 WW_7	30.64	0.39	2	
13698*1998 KF_{35}	83.506	0.06−0.35	2	SWF
13699 Nickthomas	7.319	0.07	3	
13705 Llapasset	114.798	0.11	2	DWF
13707 1998 QS_9	3.27	0.19	2	SWF
13709 1998 QE_{13}	S 55.961		2 p N	LCI-W
13711 1998 QB_{26}	55.026	0.23	2	SWF
13713 1998 QN_{30}	6.338	0.65	2	SWF
13717 Vencill	24.00	0.33	2	SWF
13724 Schwehm	3.161		2−	SWF
13727 1998 QU_{90}	4.8069	0.23	3	
13728 1998 QC_{98}	12.8735	0.11	2	DWF
13732 Woodall	8.2987	0.27	3	
13737 1998 RU_{76}	7.74	0.86	2 p	SWF
13738 1998 SF_1	35.6838	0.38	2	DWF
13762 1998 SG_{130}	2.7587	0.25	3	
13765 Nansmith	10.526	0.06	3	
13769 1998 SV_{144}	116.943	0.42	2	DWF
13772 Livius	11.2911	0.36	2	DWF
13774 Spurný	6.26323	0.38	2	DWF
13777 Cielobuio	5.39	0.15	2	SWF
13783 1998 UJ_{20}	5.27282	0.68	2	DWF
13788 Dansolander	6.760	0.24	2	SWF
13802 1998 WR_3	5.26311	0.14	2	DWF
13803 1998 WU_{10}	>0.85	>0.07		SWF

Planet	Period	Variation	Note	Survey
13806 Darmstrong	>20.	>0.15	1+	SWF
13809 1998 XJ_{40}	40.256	0.41	2 p	SWF
13812 1998 *YR*	3.913	0.45−0.48	2	SWF
13813 1998 *YX*	5.401	0.16	2	SWF
13814 1998 YG_3	5.31725	0.46	2	DWF
13818 Ullery	25.3613	0.12	2	DWF
13822 Stevedodson	5.590	0.58	2+	
13823 1999 VO_{72}	3.741	0.63	2	SWF
13828 1999 WL_6	22.369	0.08	1	SWF
13836*1999 XF_{24}	4.85677	0.68	2 p	DWF
13837 1999 XF_{25}	9.17564	0.34	2	DWF
13839*1999 XF_{29}	2.79018	0.05	1	DWF
13842 1999 XR_{33}	8.27472	0.27	2	DWF
13844 1999 XW_{34}	12.359		2−	SWF
13846 1999 XV_{69}	50.950	0.26	2	SWF
13853 Jenniferfritz	10.367	0.74	2	SWF
13854 1999 XX_{104}	246.740	0.79	2	SWF
13855*1999 XX_{105}	3.023	0.20−0.31	2	SWF
13856 1999 XZ_{105}	4.4475	0.45	3 p	
13859 Fredtreasure	27.8384	0.17	2	DWF
13860 Neely	13.864	0.43	2	SWF
13866 1999 XS_{174}	5.355	0.17	2	SWF
13872 2649 *P–L*	S 4.56275		2 p N	LCI-W
13883 7066 *P–L*	3.661	0.89	2	SWF
13885 2104 *T–1*	4.797	0.90	2	SWF
13890 1186 *T–2*	4.04422	0.24	2	DWF
13892*1266 *T–2*	2.35	0.16−0.28	2	SWF
13894*2039 *T–2*	5.478	0.58−0.63	2	SWF
13903 1975 *ST*	12.933	0.64	2+	
13906 Shunda	2.75	0.09	3 N	
13911 Stempels	>1.15	>0.14		SWF
13913 1979 *SO*	15.504	0.30	2	SWF
13914 Galegant	73.2049	0.39	2	DWF
13918 Tsukinada	7.5	0.29	1+	
13919 1984 SO_4	6.02	0.48−0.79	2	SWF
13921 Sgarbini	3.679	0.10−0.12	2+ A	
13923 Peterhof	16.3438	0.14	2	DWF
13924 1986 PE_1	6.089	0.34	2	SWF
13925*1986 QS_3	6.33755	0.50	2 p	DWF
13939*1989 SJ_2	7.360	0.48−0.99	2	SWF
13945 1990 OH_2	4.764	0.21	2	SWF
13948 1990 QB_6	8.53154	0.46	2	DWF
13950*1990 RP_9	6.550	0.35	3	
13952 Nykvist	7.349	0.99−1.17	2 p	SWF
13953 1990 TO_4	14.6254	0.53	2	DWF
13956*Banks	6.218	0.65−0.75	2	SWF
13959 1991 EL_4	3.124	0.58	2	SWF
13960 1991 GF_8	17.212	0.20	2	DWF
13964 La Billardière	S 6.23621		2 p N	LCI-W
13970 1991 RH_{27}	3.67878	0.09	2	DWF
13971 1991 UF_1			HN	DWF
13976 1992 EZ_6	125.05	0.31	2	DWF
13977 Frisch	4.9991	0.15−0.22	3	
13981 1992 OT_9	5.5	0.40−0.58	2	
13991 Kenphillips	3.523	0.37	2	SWF
13995 Tõravere	22.627	0.82	2	SWF
14004 Chikama	3.263	0.14	2	SWF
14005 1993 SO_3	16.0665	0.48	2	DWF
14008 1993 TD_{17}	5.065	0.25−0.28	2	SWF
14014 Münchhausen	6.867	0.57	2	SWF
14016 Steller	3.797	0.78	2 p	SWF
14021 1994 PL_{20}	10.261		2−	SWF
14025 Fallada	38.2117	0.11	2	DWF
14030 1994 UP_1	16.6612	0.24	2	DWF
14031 Rozyo	S 2.900652		2 p N	LCI-W
14032 Mego	40.32	0.07	1	
14035 1995 *CJ*	153.101	0.89	2	DWF
14037 1995 EZ_7	7.11818	0.33	2	DWF
14040 Andrejka	310.	0.95	2 T0	
14044 1995 VS_1	S 9.25874		2 p N	LCI-W
14046 Keikai	S 7.74604		2 p N	LCI-W
14047 Kohichiro	48.312		2−	SWF
14051*1995 YY_1	5.54	0.54−0.59	2+	
14053 1995 YS_{25}	>1.00	>0.05		SWF
14055 1996 *AS*	6.050	0.78	2	SWF
14059 1996 BB_2	11.9948	0.29	2	DWF
14061 Nagincox	11.3089	0.22	2	DWF
14070 1996 JC_1	>5.42	>0.14		SWF
14071 Gadabird	7.904		2−	SWF
14074 Riccati	6.42846	0.74	2	DWF
14075 Kenwill	30.313		2−	SWF
14090 1997 MS_3	3.08	0.27	2	SWF
14091 1997 MQ_4	2.77665	0.03	2	DWF
14095 1997 PE_2	19.532	0.58	2 p	SWF
14098 Šimek	S 9.29614		2 p N	LCI-W
14105 Nakadai	6.674	0.70−0.72	3−	
14111 Kimamos	6.623	0.42−0.49	2	SWF
14112 1998 QZ_{25}	5.655		2	SWF
14119 Johnprince	4.76659	0.37	2	DWF
14120 Espenak	7.243		2	SWF
14121 Stüwe	4.6741	0.16	3	
14124 Kamil	3.22713	0.19	2	DWF
14125 1998 QT_{62}	6.0275	0.29	3−	
14128 1998 QX_{92}	S 4.457755		2 p N	LCI-W
14133 1998 RJ_{17}	5.23990	1.11−1.15	3	
14137 1998 RB_{71}	9.23	0.60−0.88	2	SWF
14141 Demeautis	2.897	0.14−0.22	2	
14142 1998 SG_{10}	>50.	1.3	2	
14144 1998 SQ_{22}	5.064	0.55	2	SWF
14151 1998 SJ_{73}	4.95	0.19	2	SWF
14154 Negrelli	2.82	0.15	2	SWF
14157 Pamelasobey	1103.4	0.28	2	DWF
14158 Alananderson	17.50	0.18	2+	
14160 1998 SB_{144}	4.8		2 N	
14161 1998 SO_{145}	2.38	0.21	2	SWF
14162 1998 TV_1		0.24	N	
14164 Hennigar	11.859	0.71−0.90	2	SWF
14165 1998 *UZ*	S 6.97151		2 p N	LCI-W
14168 1998 UR_{15}	5.844	0.22	2	SWF
14170 1998 VF_6	4.119	0.34	2	SWF
14171 1998 VO_6	376.932	0.57	2	DWF
14174 Deborahsmall	2.901	0.27−0.41	2	SWF
14177 1998 VU_{29}	3.58506	0.18	2	DWF
14180 1998 WY_5	S 14.56991		2 p N	LCI-W
14190 Soldán	21.731	0.44	2	SWF
14192 1998 XA_{33}	2.352	0.07	1	SWF
14196 1998 XH_{59}	3.2437	0.20−0.25	3	
14197*1998 XK_{72}	S 10.6453	0.62−0.67	3− p	LCI-D
14201 1998 XR_{92}	3.283	0.07	1	SWF
14203 Hocking	S 9.08566		2 p N	LCI-W
14204 1999 AM_{20}	125.197	0.17	2	DWF
14205 1999 BC_4	16.7965	0.19	2	DWF
14207 1999 CS_{18}	2.34558	0.16	2	DWF
14208*1999 CR_{64}	18.2	0.28−0.49	2	
14209 1999 CV_{81}	50.344	0.59	2	SWF
14211 1999 NT_1	3.5856	0.12−0.17	3	
14218*1999 VS_{30}	6.245	0.10−0.34	2	SWF
14220 Alexgibbs	11.9341	0.12	2	DWF
14222 1999 WS_1	24.869	0.09	1	SWF
14234 Davidhoover	5.824	0.55	2	SWF
14238 d'Artagnan	9.671	0.34	2	SWF
14241 2000 AO_5	11.506	0.73	2	SWF
14242 2000 AE_{25}	3.70	0.34	2	SWF
14243 2000 AH_{29}	10.199	0.73	2	SWF
14246 2000 AN_{50}	5.774	0.70	2	SWF
14254 2000 AT_{64}	141.801	0.33	2	DWF
14255 2000 AS_{70}	12.772	0.32	2	
14256 2000 AA_{96}	>96.	>0.7	2−	
14257*2000 AR_{97}	13.584	0.57−0.67	3 p	
14260 2000 AF_{119}	S 3.825760		2 p N	LCI-W
14268 2000 AK_{156}	7.51	0.27	3− p	
14269 2000 AH_{182}	>24.	>0.1	1	
14276 2000 CF_2		0.12	N	
14279 2000 CD_{65}	8.72	0.42	1 DA	SWF
14285 2566 *P–L*	4.011		2−	SWF
14299 3162 *T–2*	17.424	0.38	2	
14301*5205 *T–2*	25.546	0.54−1.10	2	SWF
14305 3437 *T–3*	3.937	0.50	2	SWF
14306*4327 *T–3*	11.078	0.50−0.56	2	SWF
14309 Defoy	3.391	0.16−0.29	3	
14310 Shuttleworth	51.06	>0.4	2	SWF
14311 1971 UK_1	49.9645	0.23	2	DWF
14313 Dodaira	60.5148	0.16	2	DWF
14322 Shakura	7.462	0.09	3	
14327 Lemke	5.698	0.38	2	SWF
14332 1981 EX_{26}	18.90	0.69	2+	SWF
14333 1981 ED_{34}	3.825	0.54	2	SWF
14335*Alexosipov	7.18	0.10−0.32	3	
14339*Knorre	3.795	0.08−0.23	3	
14340 1983 RQ_3	>4.35	>0.08		SWF

Planet	Period	Variation	Note	Survey
14342 Iglika	3.9867	0.53	3	
14356 1987 SF_6	7.51943	0.34	2	DWF
14357 1987 UR	467.864	0.55	2	DWF
14359 1988 CU_1	7.147	0.36	2	SWF
14360 Ipatov	10.912	0.24	2	SWF
14362 1988 MH	3.639	0.44	3 p	
14370*1988 VR_2	2.801	0.12−0.14	2	SWF
14374 1989 SA	2.92854	0.06	2	DWF
14376*1989 ST_{10}	5.614	0.58−0.64	3 p	
14379 1989 UM_4	2.72	0.05	2	SWF
14382 Woszczyk	6.577	0.29−0.31	2	SWF
14383*1990 OY_3	8.713	0.29−0.42	2	SWF
14385 1990 QG_1	3.78	0.32−0.33	2	SWF
14392 1990 RS_6	275.686	0.38	2	DWF
14393 1990 SX_6	6.73839	0.14	2	DWF
14395 Tommorgan	35.5	0.61	2+ T	
14399 1990 WN_4	559.515	0.36	2	DWF
14402 1991 DB	2.261	0.10−0.20	3−	
14409*1991 RM_1	8.6798	0.49−0.65	2+	
14410 1991 RR_1	S 12.4272		2 p N	LCI-W
14411*Clérambault	3.07	0.41−0.44	2	
14417 1991 RN_{13}	25.971		2−	SWF
14420*Massey	4.07522	0.65	2 p	DWF
14421 1991 SA_1	34.1469	0.20	2	DWF
14425 Fujimimachi	S 20.7775		2 p N	LCI-W
14427 1991 VJ_2	22.8637	0.02	2	DWF
14430 1992 CH	4.84	0.38−0.39	2+	SWF
14431 1992 DX_8	9.222	0.26	2 A	
14434 1992 ER_{11}	4.17	0.13	1+	SWF
14435 1992 ED_{13}	>1.28	>0.28		SWF
14436 Morishita	972.808	0.82	2	SWF
14439 Evermeersch	9.94	0.38	1 H	DWF
14444 1992 TG_1	19.9458	0.16	2	DWF
14446 Kinkowan	6.55074	0.26	2	DWF
14450 1992 WZ_1	3.52325	0.15	2	DWF
14451 1992 WR_5	126.550	0.38	2	SWF
14452 1992 WB_9	135.824	0.59	2	SWF
14456 1993 FK_{20}	5.711	0.27	2	SWF
14460 1993 FZ_{40}	83.137	0.66	2	DWF
14465 1993 NB	4.9703	0.49−0.69	3 p	
14466 Hodge	10.191	0.39	2	SWF
14470 1993 RV_7	3.565	0.52	2	SWF
14471 1993 SG_1	77.623	0.56	2	SWF
14472 1993 SQ_{14}	13.5326	0.15	2	DWF
14481 1994 PO_{12}	6.763	0.56−0.68	2	SWF
14495 1995 AK_1	8.8	0.27	2+	
14505 Barentine	2.892	0.41	2	SWF
14510*1996 ES_2	6.2443	0.35−0.37	3	
14511*Nickel	35.590	0.31−0.72	2	SWF
14515*Koichisato	4.265	0.51−0.56	3−	
14523*1997 GV_{21}	S 7.63597	>0.05	2 p N	LCI-W
14527 1997 JD_{12}	6.012	0.88	3−	SWF
14531 1997 PM_2	3.4554	0.15	2	DWF
14532 1997 QM	3.20697	0.34	2	DWF
14538 1997 RR_8	21.3706	0.28	2	DWF
14540 1997 RJ_{10}	5.096	0.78−0.81	2	SWF
14541 1997 SF	S 7.69532		2 p N	LCI-W
14544 Ericjones	18.081	0.14	2	SWF
14551 Itagaki	5.94719	0.63	2 p	DWF
14553 1997 UD_{25}	3.727		2−	SWF
14564 Heasley	10.091	0.63	2	SWF
14567 Nicovincenti	7.498		2	SWF
14568*Zanotta	3.523	0.12−0.20	2	SWF
14577 1998 QN_{93}	3.094	0.26	2	SWF
14578 1998 QO_{93}	S 38.2600		2 p N	LCI-W
14594 Jindrašilhán	10.179	0.08	1	SWF
14599 1998 SV_{64}	5.033	0.10	1	SWF
14609 1998 SW_{145}	5.540	0.51	2	SWF
14614 1998 TX_2	3.64	0.25−0.42	2	
14618 1998 UK_7	5.65571	0.29	2	DWF
14620 1998 UP_{15}	4.439	0.23−0.24	2	SWF
14625 1998 UH_{31}	4.48682	0.38−0.41	3−	
14627 Emilkowalski	11.131	0.32−0.86	3 p	
14628 1998 VX_{18}	5.64236	0.64	2	DWF
14629 1998 VT_{30}	5.54342	0.80	2	DWF
14631 Benbryan	8.39117	0.47	2	DWF
14634 1998 VE_{37}	5.87931	0.41	2	DWF
14643*Morata	44.407	0.21	2−	DWF
14645 1998 XR_9	2.83685	0.18	2	DWF
14647 1998 XG_{48}	6.88298	0.58	2	DWF
14650 1998 YD_3	8.26313	0.29	2	DWF
14651 1998 YE_5	44.363	0.33	2	SWF
14653*1998 YV_{11}	11.389	0.17−0.20	2+	
14654 Rajivgupta	5.19	0.65	2	SWF
14657 1998 YU_{27}	33.58	0.30−0.46	2	
14659*Gregoriana	3.23315	0.12−0.15	2	DWF
14660 1999 BO_1	6.565	0.44	2	SWF
14665 1999 CC_5	3.00857	0.14	2	DWF
14666*1999 CG_{17}	5.46132	0.54	2 p	DWF
14667 1999 CS_{19}	S 9.18435		2 p N	LCI-W
14668 1999 CB_{67}	2.89	0.06	2	
14671 1999 RM_{49}	7.579	0.82	2 p	SWF
14672*1999 RO_{94}	2.896	0.16−0.22	2	SWF
14673 1999 RK_{169}	3.62	0.38	3−	SWF
14677 1999 XZ	4.55806	0.08	2	DWF
14678 Pinney	5.08	0.16	2	SWF
14681 Estellechurch	12.466	0.65	2	SWF
14686*1999 XA_{174}	4.3283	0.56−0.60	3	
14690 2000 AR_{25}	8.519	0.18−0.22	2+	DWF
14691 2000 AK_{119}	3.652	0.70−0.84	3 p	
14699 Klarasmi	22.1842	0.15	2	DWF
14703 2000 AX_{243}	4.08859	0.30	2	DWF
14706 2000 CQ_2	4.72046	0.26	2	DWF
14712 2000 CO_{51}	13.7	0.50−0.70	2	SWF
14714 2000 CQ_{65}	2.805	0.44−0.68	2	SWF
14716 2000 CX_{81}	5.457	0.25	2	SWF
14720 2000 CQ_{85}		0.35	N	
14721 2000 CW_{91}	46.072	0.10	1	SWF
14725 2000 DC_3	313.034	0.26	2	DWF
14726 2000 DD_3	4.023	0.25	2	SWF
14728*Schuchardt	4.636	0.67−0.9	2 A	
14729 2000 DK_{16}	27.993	0.46	2	DWF
14730 2000 DS_{19}	4.735	0.29	2	SWF
14735 2000 DV_{86}	8.488	0.13	2	SWF
14739 Edgarchavez	S 5.90622		2 p N	LCI-W
14741 Teamequinox	4.06	0.19	2−	
14744 2092 P–L	2.49	0.22	2	SWF
14755 6069 P–L	3.27	0.33−0.42	3−	SWF
14756 6232 P–L	4.51	0.41	2	SWF
14761 6608 P–L	7.03	0.27	2	
14764 Kilauea	19.84	0.50−1.2	2 T+	
14768 1238 T–1	9.339	0.46−0.52	2	SWF
14770 2198 T–1	14.894	0.32	2	SWF
14774 4845 T–1	287.425	0.50	2	SWF
14779 3072 T–2	35.071	0.50−0.64	2	SWF
14781 1107 T–3	14.9049	0.14	2	DWF
14786 4052 T–3	37.7275	0.29	2	DWF
14787 5038 T–3	12.47	0.42	2−	SWF
14789 GAISH	8.086	0.82	2	SWF
14790 Beletskij	3.146	0.28−0.29	3	
14791 Atreus	19.615	0.34−0.37	2+ H	
14795 Syoyou	3.43	0.15	2	SWF
14803 1981 EL_7	7.1012	0.34	2	DWF
14804 1981 EW_{13}	3.619	0.25	2	SWF
14805 1981 ED_{15}	2.053	0.09	1	SWF
14806*1981 EV_{25}	3.3730	0.31−0.43	3	
14811 1981 ED_{43}	10.2867	0.42	2	DWF
14813 1981 QW_2	4.977	0.49	2	SWF
14815*Rutberg	150.	1.0	2 T0	
14818*Mindeli	5.27919	0.30	2 p	DWF
14819 Nikolaylaverov	103.267	0.58	2	SWF
14822 1984 SR_5	S 12.16644		2 p N	LCI-W
14823 1984 ST_5	7.364	0.53	2	SWF
14827 Hypnos		0.05		
14829 Povalyaeva	>12.	>0.2	1	
14831 Gentileschi	46.474	0.65	2	SWF
14832 Alechinsky	8.07	0.98−1.30	2+ p	SWF
14835 Holdridge	>10.	>0.08	2− N	
14839 1988 RH_8	7.339	0.27	2	SWF
14844 1988 VT_3	S 6.41745		2 p N	LCI-W
14862 1990 EQ_2	8.13976	0.07	2	DWF
14863 1990 OK	8.429	0.61	2	SWF
14868 1990 RA_7	9.78	0.1	1	
14872 Hoher List	S 6.14518		2 p N	LCI-W
14873*Shoyo	3.5746	0.40−0.52	3	
14874 1990 US_4	6.31	0.13−0.14	3	
14876 Dampier	60.352		2	SWF
14877*Zauberflote	4.281	0.40	3 p	
14879 1991 AL_2	97.7589	0.79	2	DWF
14880 Moa	13.7585	0.16	2	DWF

Planet	Period	Variation	Note	Survey
14882 1991 PP_{11}	13.736	0.35	2	SWF
14883 1991 PT_{11}	S 8.15607		2 p N	LCI-W
14886 1991 RL_9	6.366	0.42	2	SWF
14888 Kanazawashi	50.7651	0.31	2	DWF
14889 1991 VX_2	16.096	0.41	2 p	SWF
14892 1991 VE_5	5.831	0.15	2	
14899 1992 *LS*	13.2238	0.20	2	DWF
14901 Hidatakayama	4.0625	0.41	2+	
14909*Kamchatka	15.9243	0.06	2−	DWF
14910 1993 QR_4	5.148	0.59−0.64	2	SWF
14915 1993 UM_8	19.9734	0.07	2	DWF
14916 1993 VV_7	13.496	0.16	2	SWF
14917*Taco	9.7078	0.56−0.68	3	
14918*1994 BP_4	7.554	0.66−0.81	2 p	SWF
14919 Robertohaver	53.045	0.55	2	SWF
14920 1994 PE_{33}	367.080	0.54	2	SWF
14921 1994 *QA*	12.9134	0.32	3	
14922 Ohyama	3.34481	0.03	2	DWF
14923 1994 TU_3	7.300	0.34	2+	
14925 Naoko	S 5.650939		2 p N	LCI-W
14927 Satoshi		0.55	N	
14930 1994 WL_3	7.40037	0.23	2	DWF
14933 1994 *YX*	4.926	0.34	2	SWF
14934 1995 *BP*	2.79	0.25	2	
14938*1995 *DN*	7.8185	0.61	3 p	
14940 Freiligrath	3.82257	0.55	2	DWF
14946 1996 AN_2	5.148	0.38−0.42	2 p	SWF
14948 Bartuška	44.901		2	SWF
14949 1996 BA_2	1103.95	0.16	2	DWF
14950 1996 BE_2	3.27915	0.23−0.49	3	
14951 1996 BS_2	10.9498	0.54	2	DWF
14956 1996 DB_1	17.9011	0.41	2	DWF
14958 1996 JK_1	10.	0.50	2	
14962 Masanoriabe	19.496	0.30	2	SWF
14963 Toshikazu	7.11	0.31	2	SWF
14965 Bonk	2.84735	0.31	3	
14966 Jurijvega	30.5175	0.13	2	DWF
14968*Kubáček	4.89	0.47−0.48	3−	
14974 Počátky	21.728	0.57−0.68	2 p	SWF
14977 Bressler	44.139	0.71−0.93	2	SWF
14980 Gustavbrom	122.646	0.51	2	SWF
14982 1997 TH_{19}		0.10	N	
14985 1997 UU_2	13.792	0.13−0.16	2	SWF
14990 Zermelo	4.814	0.45−0.46	2	SWF
14992 1997 UY_{14}	12.958	0.47−0.50	2	SWF
14997 1997 VD_4	72.913		2−	SWF
14998 Ogosemachi	3.56	0.17	1+	SWF
15003 Midori	23.4939	0.51	2	DWF
15004 Vallerani	24.302	0.07	1	SWF
15014 Annagekker	S 27.4682		2 p N	LCI-W
15018 1998 SM_{34}	90.0999	0.39	2	DWF
15027 1998 UF_8	23.9818	0.22	2	DWF
15032 Alexlevin	S 4.405511		2 p N	LCI-W
15036 Giovannianselmi	7.088		2	SWF
15037*Chassagne	29.836	0.24−0.35	2	SWF
15040 1998 *XC*	4.8627	0.14	3	
15048*1998 XQ_{63}	28.2223	0.23	1+	DWF
15050 Heddal	4.768	0.76	2 p	SWF
15054 1998 YS_5	2.65293	0.10	2	DWF
15062 1999 AL_2	6.821	0.54	2 p	SWF
15065 1999 AJ_4	>1.13	>0.12		SWF
15066 1999 AX_7	23.1	0.04−0.55	2	
15075 1999 BF_{15}	16.00	0.14	2	SWF
15084 1999 CH_{38}	5.039	0.17−0.27	2	SWF
15085 1999 CB_{43}	5.530	0.25−0.26	2	SWF
15091 Howell	S 10.86318		2 p N	LCI-W
15094 Polymele	5.8607	0.09	2−	
15095 1999 WO_3	3.583	0.48	2	SWF
15096 1999 XH_{12}	3.41	0.21−0.26	3	SWF
15097 1999 XP_{38}	5.82415	0.27	2	DWF
15105*2000 BJ_4	S 6.2570	0.60	2 p	LCI-W
15106 Swanson	39.580	0.48	2	SWF
15107*Toepperwein	2.5294	0.11−0.13	3	
15110 2000 CE_{62}	5.462	0.66−1.03	2 p	SWF
15118 Elizabethsears	13.756	0.25	2	SWF
15124 2000 EZ_{39}	9.488	0.12	2	SWF
15125 2000 EZ_{41}	S 7.22719		2 p N	LCI-W
15126 Brittanyanderson	2.59	0.03	1+	SWF
15131 Alanalda	4.69135	0.12	2	DWF
15132 Steigmeyer	115.	0.62	1+	
15134 2000 ED_{92}	>0.88	>0.07		SWF
15135 2000 EG_{92}	101.857	0.14	2	DWF
15141 2000 EP_{106}	7.897	0.19	2	SWF
15143 2000 EX_{108}	153.562	0.41	2	DWF
15149 Loufaix	10.571	0.77	2	SWF
15151 Wilmacherup	4.5611	0.47−0.61	3	
15153 2000 FD_{17}	9.125	0.32	2	SWF
15154 2000 FW_{30}	13.31	0.06	2 1	
15158 2000 FH_{40}	7.334	0.51	2	SWF
15161 2000 FQ_{48}	6.663	0.10	2	
15165 2000 GR_{89}	15.0964	0.46	2	DWF
15168 Marijnfranx	29.3309	0.17	2	DWF
15172 3086 *P–L*	170.062	1.08	2	DWF
15177 6599 *P–L*	11.742	0.61	2	SWF
15184 3232 *T–1*	5.852	0.69	2	SWF
15185 4104 *T–1*	261.109	0.22	2	DWF
15190*3353 *T–2*	5.251	0.28−0.37	2	SWF
15191*4234 *T–2*	4.194	0.37−0.55	2	SWF
15195 2407 *T–3*	13.315	0.41−0.42	2	SWF
15201 1976 *UY*	4.786	0.65	2	SWF
15202 Yamada-Houkoku	26.299	0.23	2+	
15203 Grishanin	11.6388	0.44	3−	
15207 1979 *KD*	337.698	0.27	2	DWF
15213 1980 UO_1	4.933	0.31	2	SWF
15217 1981 ET_{19}	14.023	0.55	2	SWF
15218 1981 EO_{41}	58.1301	0.29	2	DWF
15222 1982 FL_1	7.027	0.55	2	SWF
15224 Penttilä	4.377	0.46−0.64	3− p	
15226 1986 *UP*	2.053	0.50	2	SWF
15231 Ehdita	40.0	0.72	2 T+	
15235 1988 DA_5	4.109	0.52	2	SWF
15237 1988 RL_6	184.2	0.11	2	DWF
15240 1989 GF_3	113.075	0.29	2	DWF
15241 1989 ST_3	133.783	0.10	1	SWF
15250 Nishiyamahiro	6.764	0.59−0.66	2	SWF
15252 Yoshiken	22.218	0.09	1	SWF
15254 1990 QM_4	2.318	0.10	1	SWF
15256 1990 RD_1	22.824	0.46	2	SWF
15257 1990 RQ_8	6.67	1.01	2	SWF
15258 Alfilipenko	4.366	0.11	2	SWF
15260 1990 SY_8	29.1365	0.07	2	DWF
15262 Abderhalden	3.533	0.21	2	SWF
15263 Erwingroten	>1.90	>0.11		SWF
15264 Delbrück			HN	DWF
15267*Kolyma	4.9649	0.69−0.88	3	
15268 Wendelinefroger	2.4224	0.07	3 B	
15269 1990 *XF*	26.708	0.55−0.62	3	
15271*1991 *DE*	6.908	0.58−0.63	2+	
15274 1991 GO_6	128.603	0.30	2	SWF
15275 1991 GV_6	3.28	0.23	2	SWF
15276 Diebel	S 13.32997		2 p N	LCI-W
15277 1991 PC_7	2.75	0.33	2−	SWF
15278 Pâquet	40.01	0.41	3−	
15279 1991 PY_7	8.145	0.09	1	SWF
15282 Franzmarc	46.1405	0.76	2	DWF
15288 1991 RN_{27}	7.14	0.19	2+	
15290 1991 TF_1	S 14.33958		2 p N	LCI-W
15291 1991 VO_1	4.39042	0.38	2	DWF
15293 1991 VO_3	96.940	0.63	2	SWF
15302 1992 TJ_1	27.5561	0.10	2	DWF
15312 1993 FH_{27}	149.383	0.46	2	SWF
15317*1993 HW_1	2.6580	0.14−0.29	3	
15318 Innsbruck	30.29	0.40	2+	
15329 Sabena	3.549	0.18	2	SWF
15333 1993 TS_{36}	279.819	0.40	2	DWF
15337 1993 VT_2	3.338	0.27	3	
15338 Dufault	9.351	0.76−1.08	2	SWF
15339 Pierazzo	5.61	0.25−0.27	2	SWF
15340 1994 CE_{14}	16.3048	0.35	2	DWF
15343*1994 PB_1	7.434	0.52−0.60	2	SWF
15350 Naganuma	2.5835	0.07−0.20	3	
15352 1994 VB_7	12.63	0.30	2	SWF
15355 Maupassant	2.99785	0.26	2	DWF
15356 1995 *DE*	14.4303	0.33	2	DWF
15360 Moncalvo	5.71	0.13	2	SWF
15362*1996 *ED*	31.4	0.42−0.50	3−	
15363 Ysaye	4.5286	0.11	2	
15373*1996 WV_1	6.006	0.49	3	
15374 Teta	2.8204	0.30−0.39	3−	
15376 Marták	5.64	0.20	3	

Planet	Period	Variation	Note	Survey
15377 1997 *KW*	37.996		2	SWF
15383 1997 SE_3	8.480	0.52	2	SWF
15385*Dallolmo	4.678	0.12−0.16	2	SWF
15387 Hanazukayama	S 11.35597		2 p N	LCI-W
15393 1997 TR_{24}	4.68	0.35	2	SWF
15398 1997 UZ_{23}		0.98	I	
15401 1997 VE_4	98.0364	0.75	2	DWF
15402 Suzaku	3.13	0.45	2	SWF
15403 Merignac	52.651	0.28	2	DWF
15408 1997 WU_{21}	30.414	0.21−0.23	2	SWF
15409 1997 WQ_{31}	2.723	0.13−0.16	2	SWF
15411 1997 YL_1	4.389	0.19	2	SWF
15414 Pettirossi	2.71	0.17−0.21	2	SWF
15415 Rika	6.3632	1.06	3	
15417 Babylon	39.251	0.42	2	SWF
15419 1998 FZ_{62}	9.21135	0.26	2	DWF
15421 Adammalin	7.538	0.35	2	SWF
15422 1998 QP_{45}	4.425	0.31−0.32	2	SWF
15424 1998 QE_{100}	10.9000	0.30−0.42	3	
15430 1998 UR_{31}	2.52735	0.10−0.11	3 B?	
15431 1998 UQ_{32}	21.3078	0.13	2	DWF
15432 1998 VA_5	95.115	0.90	2	SWF
15434 Mittal	8.52	0.65	3−	
15436*1998 VU_{30}	8.970	0.15−0.33	3	
15438 Joegotobed	5.506	0.11	2	
15440 1998 WX_4	21.43	0.08−0.16	2+	
15451 1998 XK_{42}	38.851	0.63	2	DWF
15454 1998 YB_3	14.0922	0.48	2	DWF
15460*Manca	7.272	0.17−0.22	2	SWF
15464 1999 AN_5	6.582	0.20	2	SWF
15466 Barlow	2.61465	0.13	2	DWF
15468 Mondriaan	2.64	0.10	2	SWF
15471 1999 BE_5	112.631	0.79	2	DWF
15473 1999 BL_9	4.46844	0.17	2	DWF
15474 1999 BG_{11}	3.53	0.38−0.42	3−	SWF
15476 Narendra	3.036	0.08	1	SWF
15480 1999 CB_{14}	20.5844	1.00	2	DWF
15481 1999 CK_{19}	5.010	0.10−0.14	2	SWF
15491 1999 CW_{85}	3.902	0.10−0.13	3	
15492 Nyberg	8.256	0.27−0.29	2 p	SWF
15496*1999 DQ_3	88.1332	0.66	2 p	DWF
15498 1999 EQ_4	34.579	0.14−0.16	2	SWF
15499*Cloyd	6.878	0.17−0.30	2+	
15502 1999 NV_{27}	15.129	0.10−0.26	3	
15505 1999 RF_{56}	15.11	0.10	2+	
15507 Rengarajan	155.505	0.41	2	DWF
15511 1999 TD_{185}	111.472	0.13	2	DWF
15512 Snyder	2.738	0.22	2	SWF
15515 1999 VN_{80}	4.1694	0.37−0.44	3−	
15518 1999 VY_{153}	16.245	0.28	2	SWF
15519 1999 *XW*	14.290	0.36	2	SWF
15520 1999 XK_{98}	8.7904	0.85	3	
15521 1999 XH_{133}	50.1991	0.35	2	DWF
15522 Trueblood	7.183	0.53	2	SWF
15523 Grenville	5.745	0.24	2	SWF
15525 1999 XH_{176}	>2.92	>0.12		SWF
15527 1999 YY_2	6.9903	0.39−0.54	3	
15529 2000 AA_{80}	375.	0.50−0.59	2 H	DWF
15530 Kuber	6.937	0.28	2	SWF
15533 2000 AP_{138}	114.	0.38	3 T0	
15535 2000 AT_{177}	6.016	0.26−0.32	2+ A	
15536 2000 AG_{191}	11.71	0.45	2	
15538*2000 BW_{14}	2.974	0.25−0.32	2	SWF
15539 2000 CN_3	46.25	0.30	3−	
15540 2000 CF_{18}	28.41	0.51	3	
15542 2000 DN_3	3.73	0.20	2	SWF
15545 2000 EK_{46}	25.130	0.37−0.44	2	SWF
15549 2000 *FN*	55.09	1.00	3− p	
15552 Sandashounkan	33.62	1.02−1.44	3− p	
15553 Carachang	2.54117	0.04	2	DWF
15558 2000 GR_2	2.692	0.23	2	SWF
15560 2000 GR_{24}	28.8446	0.15	2	DWF
15562 2000 GF_{48}	341.496	0.31	2	DWF
15563 Remsberg	12.716	0.36−0.45	2	SWF
15564 2000 GU_{48}	6.08	0.37−0.38	2	SWF
15568 2000 GP_{54}	5.718	0.91−1.07	2	SWF
15579 2000 GP_{70}	2.810	0.14	1	SWF
15583 Hanick	14.969	0.42	2	SWF
15585 2000 GR_{74}		0.21	N	
15587 2000 GK_{76}	34.545	0.44−0.51	2	SWF

Planet	Period	Variation	Note	Survey
15590*2000 GH_{82}	3.79	0.25−0.26	2	
15592 2000 GJ_{91}	69.9158	0.72	2	DWF
15594 Castillo	9.4886	0.15	2	DWF
15596 2000 GZ_{95}	2.923	0.25−0.35	2	SWF
15600 2000 GY_{103}	10.6772	0.16	2	DWF
15602 2000 GA_{108}	>3.72	>0.29		SWF
15603 2000 GG_{108}	>1.78	>0.04		SWF
15607 2000 GA_{124}	3.588	0.16−0.21	3	
15609 Kosmaczewski	5.22	0.15	2	
15610 2000 GY_{126}	35.8986	0.26	2	DWF
15613*2000 GH_{136}	3.3	0.66−1.02	2 p	
15614 Pillinger	39.561	0.80	2 p	SWF
15615 2000 HU_1	5.652	0.26	2	SWF
15621*Erikhovland	5.3426	0.82−0.89	3 p	
15626 2000 HR_{50}	13.277	0.68	2	SWF
15630 Disanti	8.064	0.18−0.20	2	SWF
15632 Magee–Sauer	37.571		2−	SWF
15633 2000 JZ_1	3.941	0.11	2+	
15634 2000 JD_{15}	3.002	0.24	2	SWF
15638*2000 JA_{65}	5.898	0.35−0.47	3	
15645 4163 *P–L*	5.638	0.37	2	SWF
15653 1080 *T–1*	3.05945	0.33	2	DWF
15658 1265 *T–2*	277.442	0.49	2	SWF
15659 2141 *T–2*	135.212	0.47	2	SWF
15661 3281 *T–2*	17.7573	0.10	2	DWF
15670 1975 SO_1	21.33	0.23	2	SWF
15677*1980 TZ_5	5.614	0.77−0.78	2 p	SWF
15690 1982 JD_3	6.67226	0.35	2	DWF
15692 1984 *RA*	37.44	0.66	2	
15693 1984 SN_6	5.316	0.32	2	SWF
15694 1985 RR_3	137.748	0.30	2	DWF
15696 1986 QG_1	3.46475	0.39	2	DWF
15699 Lyytinen	2.7818	0.11	2−	
15700*1987 *QD*	3.0586	0.07−0.23	3 B?	
15701 1987 RG_1	109.416	0.50	2	SWF
15702 Olegkotov	2.46	0.05	1+ N	
15704 1987 SE_7	109.87	0.38	2	DWF
15709 1988 XH_1	21.1108	0.12	2	DWF
15710 Böcklin	S 7.52272		2 p N	LCI-W
15714 1989 TL_{15}	3.72	0.33	3−	SWF
15715 1989 UN_1	5.33288	0.75	2	DWF
15719 1990 *CF*	4.771	0.13	2	SWF
15720 1990 EN_1	>1.15	>0.05		SWF
15724 Zille	>5.	0.20	2−	
15732*Vitusbering	9.604	0.29−0.45	2	SWF
15734 1990 WV_1	17.2	0.55−0.69	2	SWF
15735*Andakerkhoven	21.8725	0.65	2 p N	DWF
15740 Hyakumangoku	7.41038	0.11	2	DWF
15745 Yuliya	3.2486	0.03−0.10	3 B	
15748 1991 RG_{25}	19.697	0.38	2	SWF
15750 1991 VJ_4	21.692		2−	SWF
15752 Eluard	6.423	0.32	2	SWF
15753 1992 DD_{10}	3.197	0.30	2	SWF
15755*1992 ET_5	6.252	0.31−0.36	2	SWF
15758 1992 FT_1	10.13	0.6	2	
15761 Schumi	3.768	0.41	2	SWF
15769 1993 FP_{23}	5.794	0.85	2 p	SWF
15770 1993 FL_{29}	9.90	0.40−0.48	2	SWF
15774 1993 FK_{38}	6.68949	0.25	2	DWF
15775 1993 FA_{49}	4.186	0.09	1	SWF
15776 1993 *KO*	3.36991	0.04	2	DWF
15777*1993 *LF*	2.637	0.15−0.24	2	SWF
15778 1993 *NH*	113.	0.61	2 B?	
15781 1993 OJ_7	3.863		2−	SWF
15782 1993 ON_8	S 9.00397		2 p N	LCI-W
15783 Briancox	56.56	0.32	2+	
15785 de Villegas	7.728	0.41	2	SWF
15786 1993 *RS*	6.82	0.08−0.21	2 A	
15790 Keizan	19.68	0.25	2−	
15793 1993 TG_{19}	22.4	0.71	1+ N	
15794 1993 TG_{31}	4.172		2−	SWF
15796 1993 TZ_{38}	S 6.21276		2 p N	LCI-W
15798 1993 VZ_4	3.578	0.63	2	SWF
15800*1993 *XP*	4.516	0.46−0.86	2	SWF
15806 Kohei	145.700	0.29	2	SWF
15810*Arawn	5.49	0.50−0.8	2+ H	
15817 Lucianotesi	>11.	>0.9	2 N	
15820*1994 *TB*	6.0	0.26−0.34	2 DA	
15821 Iijimatatsushi	7.824	0.57	2	SWF
15822 Genefahnestock	2.95998	0.18−0.36	3 B	

Planet	Period	Variation	Note	Survey
15824 1994 WM_1	S 28.5797		2 p N	LCI-W
15825 1994 WX_1	7.516	0.19	2	SWF
15829 1995 BA_1	2.6486	0.13	2	DWF
15830 1995 BW_1	3.22581	0.17	2	DWF
15833 1995 CL_1	218.196	0.44	2	DWF
15840 Hiroshiendou	6.449	0.31	2	SWF
15843 Comcom	99.4357	0.47	2	DWF
15850*1996 AE_1	8.332	0.44−0.49	2	SWF
15853 Benedettafoglia	75.1835	0.56	2	DWF
15860 Siráň	10.532	0.56−0.75	2	SWF
15861*Ispahan	169.464	0.27−0.33	2	SWF
15863 1996 HT_{15}	2.91	0.16	2	SWF
15865 1996 HW_{25}	3.59268	0.10	2	DWF
15866 1996 KG	17.059	0.38	2	SWF
15874 1996 TL_{66}	12.	0.07	1 1A	
15875 1996 TP_{66}		<0.12		
15878*1996 XC_3	4.918	0.23−0.53	2	SWF
15882 1997 CF_{29}	5.050	0.31−0.38	2	SWF
15902 Dostál	5.5766	0.70	2	DWF
15914 1997 UM_3	12.8	0.5	2 A	
15915 1997 UR_3	3.370	0.31	2	SWF
15917 Rosahavel	S 10.21938		2 p N	LCI-W
15920 1997 UB_{25}	S 12.20051		2 p N	LCI-W
15925 Rokycany	3.011	0.16−0.23	3−	
15932 1997 XL_5	3.49561	0.13	2	DWF
15938 Bohnenblust	3.906	0.12	2+	
15941 Stevegauthier	9.90	0.28	2	SWF
15951 1998 BB_2	56.7977	0.39	2	DWF
15954 1998 BG_{11}	8.031	0.80	2	SWF
15955 Johannesgmunden	S 9.4985		2 p N	LCI-W
15957 Gemoore	17.02	0.11	2	SWF
15963 Koeberl	13.0685	0.71	2	DWF
15964 Billgray	3.571	0.21−0.47	3	
15966 1998 DL_{13}	31.9115	0.05	2	DWF
15967 Clairearmstrong	5.897	0.33−0.41	3	
15968 Waltercugno	5.19	0.25	2+	SWF
15969 Charlesgreen	2.79088	0.13	2	DWF
15973 1998 FM_{85}	5.851	0.40−0.42	2	SWF
15976 1998 FY_{119}	5.26802	0.64	2	DWF
15977 1998 MA_{11}	250.	0.30	2− T?	
15979*1998 QW_{34}	6.420	0.31−0.47	2	SWF
15984 1998 WM_7	1.75121	0.33	2 1	DWF
15985 1998 WU_{20}	18.2252	0.05	2	DWF
15987 1998 XV_{10}	S 64.700		2 p N	LCI-W
15988 Parini	95.01	0.34	2	DWF
15995 1998 YQ_9	9.23	0.16	3−	
16003 1999 BX_2	S 19.7891		2 p N	LCI-W
16004 1999 BZ_3	54.361		2−	SWF
16009 1999 CM_8	16.70	0.54−0.65	2+ p	
16016 1999 CB_{54}	9.85	0.54−0.58	2	SWF
16018*1999 CJ_{67}	208.135	0.24	2+	DWF
16021 Caseyvaughn	13.0	0.21−0.24	2	SWF
16024 1999 CT_{101}	2.786	0.13−0.17	2+	
16025 1999 CA_{104}	S 10.55733		2 p N	LCI-W
16026 1999 CM_{118}	11.3	0.21	2−	
16027 1999 DV_1	5.732	0.43	2	SWF
16029 1999 DQ_6	5.95	0.66−0.76	3− p	
16032 1999 FU_{30}	5.14627	0.41	2	DWF
16033 1999 FT_{32}	4.07	0.52	2	SWF
16034 1999 FW_{32}	3.700	0.34−0.38	2	SWF
16038 1999 GD_{18}	6.950	0.16	2	SWF
16040 1999 GN_{18}	16.7198	0.51	2	DWF
16043 Yichenzhang	90.895	0.31	2	DWF
16045 1999 HU_2	22.2023	0.13	2	DWF
16046 Gregnorman	14.4406	0.25	2	DWF
16048 1999 JU_{23}	6.11	0.33	2	SWF
16050 1999 JN_{35}	3.913	0.25	2	SWF
16054 1999 JP_{55}	87.450	0.56	2	SWF
16055 1999 JQ_{56}	94.273	1.05	2 p	SWF
16057 1999 JO_{75}	5.106	0.33	2	SWF
16058 1999 JP_{75}	5.79219	0.43	2	DWF
16061 1999 JQ_{117}	S 12.25800		2 p N	LCI-W
16062 Buncher	8.123	0.49	2	SWF
16064 Davidharvey	178.5	0.7	2 T	
16070 1999 RB_{101}	20.24	0.08−0.40	2	
16076 Barryhaase	4.795	0.27	2	SWF
16081 1999 SR_{15}	6.531	0.25	2	SWF
16086 1999 TF_{90}	57.482		2−	SWF
16088 1999 TJ_{121}	5.24745	0.65	2	DWF
16089 Lamb	17.363	0.15−0.16	2	SWF

Planet	Period	Variation	Note	Survey
16090 Lukaszewski	119.63	0.82	2	DWF
16091*Malchiodi	20.362	0.30−0.31	2	SWF
16095 Lorenball	3.663		2	SWF
16097 1999 UE_{50}	10.471	0.71	2	SWF
16103 Lorsolomon	4.32	0.36	2+	SWF
16106 Carmagnola	3.673	0.23	2	SWF
16107 Chanmugam	8.42874	0.87	2	DWF
16114 Alyono	7.893	0.14	2	SWF
16115 1999 XH_{25}	14.68	0.26	2−	
16123 Jessiecheng	3.98	0.11−0.18	2+	SWF
16124 Timdong	10.54	0.25	1 DA	SWF
16126*1999 XQ_{86}	2.9783	0.30−0.33	3	
16130 Giovine	6.519	0.16	2	SWF
16134 1999 XE_{100}	11.109	0.35	2	SWF
16135 Ivarsson	8.273	0.31	1+	
16138 1999 XV_{119}	S 6.19344		2 p N	LCI-W
16139*1999 XO_{120}	3.896	0.36−0.37	2	SWF
16141 1999 XT_{127}	6.1	0.80	3−	
16143 1999 XK_{142}	6.400	0.76−1.33	3	
16148 1999 XG_{188}			HN	DWF
16151 1999 XF_{230}	6.3287	0.20	2	DWF
16152 1999 YN_{12}	22.996	0.55−0.75	2	SWF
16155 Buddy	15.896	0.65	2	SWF
16159 2000 AK_{62}	13.482	0.37	2	SWF
16160 2000 AZ_{66}	46.4122	0.18	2	DWF
16162*2000 AD_{68}	10.398	0.31−0.40	2	SWF
16164 Yangli	>20.	>0.35	2−	SWF
16171 2000 AD_{97}	22.2771	0.07	2	DWF
16173 2000 AC_{98}	6.4842	0.36	3 p	
16174 Parihar	4.346	0.13−0.21	2	SWF
16176 2000 AZ_{126}	15.8129	0.51	2	DWF
16180 Rapoport	3.32579	0.24	2	DWF
16182 2000 AH_{137}		0.10	N	
16184 2000 AD_{142}	3.20864	0.28	2	DWF
16185 2000 AH_{164}	5.901	0.70	2	SWF
16187 2000 AP_{164}	6.0	0.65	2−	
16188 2000 AH_{175}	20.5825	0.17	2	DWF
16189 Riehl	6.47969	0.49	2	DWF
16197*Bluepeter	2.708	0.19−0.23	3−	
16198 Búzios	103.6	1.06	3− T?	
16199 Rozenblyum	3.961	0.73	2	SWF
16202 Srivastava	4.38	0.21	2	SWF
16204 2000 CT_{33}	4.21	0.45−0.49	2	SWF
16206 2000 CL_{39}	7.21	0.25	2−	
16210 2000 CY_{61}	9.633	0.89	2	SWF
16213 2000 CG_{85}	263.994	1.43	2	DWF
16214 Venkatachalam	6.272	0.28	2	SWF
16216 2000 DR_4	S 10.36816		2 p N	LCI-W
16220 Mikewagner	>1.00	>0.13		SWF
16224 2000 DU_{69}	10.310	0.11	2	SWF
16226 Beaton	S 9.59127		2 p N	LCI-W
16227 2000 DY_{73}	S 3.557035		2 p N	LCI-W
16228 2000 EC_{39}	6.2	0.10	2−	SWF
16231 Jessberger	135.720	0.87	2	SWF
16233 2000 FA_{12}	3.1811	0.17−0.18	3	
16237 2000 GX_{76}	167.569	0.26	2	DWF
16238 Chappe	3.717		2−	SWF
16240 2000 GJ_{115}	161.441	0.74	2	SWF
16242 2000 GT_{126}	9.050	0.28	2	SWF
16248 Fox	5.057	0.36	2	SWF
16249 Cauchy	>1.00	>0.09		SWF
16251 Barbifrank	28.209	0.20	2	SWF
16252 Franfrost	4.388		2−	SWF
16256 2000 JM_2	63.5	0.98	2+ T0	
16261 Iidemachi	2.7424	0.16	2	DWF
16270 2000 JH_{48}	S 40.5435		2 p N	LCI-W
16272 2000 JS_{55}	19.3755	0.57	2	DWF
16276 2000 JX_{61}	646.747	0.62	2	SWF
16285 3047 *P–L*	S 3.677733		2 p N	LCI-W
16286 4057 *P–L*	5.239	0.67	2	SWF
16287 4096 *P–L*	19.272	0.32	2	SWF
16291 4315 *P–L*	36.697		2−	SWF
16295 4820 *P–L*	58.083	0.21	2	DWF
16306 6797 *P–L*	5.203	0.46−0.52	2	SWF
16311 1102 *T–1*	9.771		2−	SWF
16326 2052 *T–2*	2.883	0.25−0.28	2	SWF
16328 3111 *T–2*	10.4185	0.18	2	DWF
16337 5087 *T–2*	19.0479	0.37	2	DWF
16338*1106 *T–3*	29.226	0.09−0.21	2 A	
16342 2271 *T–3*	6.048	0.43	2	SWF

Planet	Period	Variation	Note	Survey
16343 2326 *T–3*	6.281	0.58	2	SWF
16345 2391 *T–3*	2.9	0.2	2−	
16347 3256 *T–3*	10.798	0.46	2	SWF
16353*1974 *WB*	216.629	0.43−0.45	2	SWF
16354 1975 SN_1	>0.97	>0.15		SWF
16356 Univbalttech	25.986		2−	SWF
16357 Risanpei	7.368	0.26	2	SWF
16358 Plesetsk	6.560	0.47	3	
16364*1979 MA_5	17.59	0.33−0.58	2+	
16371 1981 DQ_3	3.698	0.23	2	SWF
16372 Demichele	3.191	0.48	2	SWF
16377 1981 EY_{11}	12.167	0.27	2	SWF
16382 1981 ER_{27}	4.9	0.46	2	
16384 1981 ES_{31}	43.768	0.57	2	SWF
16398 Hummel	71.0648	0.98	2	DWF
16402 Olgapopova	3.7740	0.18	3−	
16403 1984 WJ_1	7.5391	0.14−0.18	3 p	
16404*1985 CM_1	6.28685	0.15	2	DWF
16408 1986 *AB*	3.77664	0.16	2	DWF
16415 1987 QE_7	6.71287	0.37	2	DWF
16416*1987 SM_3	36.506	0.34−0.38	2	SWF
16418 Lortzing	11.278	0.59	2	DWF
16420 1987 UN_1	54.7378	0.38	2	DWF
16421 Roadrunner	174.	1.00−1.25	3 T0	
16422 1988 BT_3	16.8165	0.04	2	DWF
16423 1988 BZ_3	3.3048	0.33	3 p	
16426 1988 *EC*	33.30	0.18−0.27	3−	
16427 1988 EB_2	5.35623	0.12	2	DWF
16428 1988 RD_{12}	20.312	0.46	2	SWF
16432 1988 VL_2	2.695	0.08	1	SWF
16433*1988 VX_2	5.39	0.17−0.26	2	SWF
16439 Yamehoshinokawa	92.459	0.42	2	SWF
16444 Godefroy	S 6.13782		2 p N	LCI-W
16446 1989 *MH*	4.977	0.65	2	SWF
16450 Messerschmidt	7.07921	0.59	2	DWF
16456 1989 *UO*	6.95985	0.19	2	DWF
16457*1989 *VF*	14.422	0.17−0.32	2	SWF
16461 1990 *BO*	21.5544	0.06	2	DWF
16462 1990 DZ_1	62.366	0.97	2	SWF
16463 Nayoro	14.666	0.26	3	
16464 1990 EV_1	3.820	0.22	2	SWF
16465 Basilrowe	19.9744	0.12	2	DWF
16467*1990 FD_3	25.354	0.28	2+	
16468 1990 HW_1	S 94.13		2 p N	LCI-D
16471 1990 OR_3	10.829	0.58	2	DWF
16476 1990 QU_4	4.006		2	SWF
16478 1990 QS_6	2.704	0.21	2	SWF
16480 1990 QN_7	>1.90	>0.12		SWF
16483 1990 QX_8	12.032	0.17	2	SWF
16484 1990 QJ_9	>24.	>0.5		SWF
16488 1990 RX_8	3.090	0.15	2	SWF
16489 1990 *SG*	2.09534	0.26	2	DWF
16490 1990 ST_2	14.77	0.21	1	SWF
16497 Toinevermeylen	2.761	0.21	2	SWF
16498 Passau	4.87626	0.23	2	DWF
16499 1990 SU_9	5.04	0.58	2	SWF
16509 1990 UE_4	5.591	0.29−0.32	2	SWF
16511 1990 UR_4	7.00458	0.20	2	DWF
16512*1990 VQ_4	37.467	0.37−0.48	2	SWF
16513 Vasks	26.333	0.09	1	SWF
16514 Stevelia	5.724	0.68	2	SWF
16518 Akihikoito	5.5845	0.98	3	
16520 1990 WO_3	48.070		2−	SWF
16524 Hausmann	9.30	0.17	2	SWF
16525 Shumarinaiko	2.5932	0.08	3 B	
16528 Terakado	23.38	0.55−0.63	2+ p	
16529 Dangoldin	2.8872	0.13−0.17	3	
16531 1991 GO_8	31.210	0.38	2	SWF
16532 1991 *LY*	2.766	0.23	2	SWF
16533 1991 LA_1	6.94579	0.37	2	DWF
16535 1991 NF_3	28.9638	0.25	2	DWF
16539 1991 PY_{12}	4.8	0.17	2−	
16540 1991 PO_{16}	6.83735	0.25	2	DWF
16541 1991 PW_{18}	7.01	0.33−0.51	2	
16551 1991 RT_{14}	16.193		2 N	
16556 1991 VQ_1		0.17	N	
16558 1991 VQ_2	170.	1.0	2− T0	
16559 1991 VA_3	435.193	0.53	2	DWF
16561 Rawls	>1.13	>0.08		SWF
16562 1992 AV_1	34.85	0.04−0.32	2 A	
16565 1992 CZ_1	5.790	0.50−0.53	2	SWF
16568 1992 DX_5	4.302	0.14	2	SWF
16579*1992 *GO*	S 10.99646		2 p N	LCI-W
16582 1992 JS_3	6.252	0.27	3−	
16585 1992 *QR*	5.250	0.20−0.44	3	
16589 Hastrup	128.	0.13−0.62	2 T	
16591*1992 SY_{17}	2.73728	0.17−0.18	2	
16592 1992 TM_1	137.686	0.19	2	SWF
16594 Sorachi	4.528	0.19	2	SWF
16598 Brugmansia	3.9272	0.30−0.37	3	
16621 1993 FA_{84}	3.326	0.27	2	SWF
16624 Hoshizawa	2.762	0.18	2	SWF
16626 Thumper	6.813	0.37−0.47	2	SWF
16627 1993 *JK*	22.5179	0.14	2	DWF
16630*1993 NZ_1	3.22016	0.15	1	DWF
16634 1993 OD_8	4.90	0.22	2−	SWF
16635 1993 *QO*	2.20827	0.17	3 B	
16636 1993 *QP*	19.01	0.41	3−	
16638 1993 QN_3	34.632	0.37	2	SWF
16641 Esteban	79.62	1.08−1.42	3−	
16642 1993 RK_4	9.026	0.60−0.61	2	SWF
16645 Aldalara	10.9435	0.17	2	DWF
16652 1993 TT_{12}	6.5093	0.59	2	DWF
16655 1993 TS_{33}	3.12	0.17	2−	SWF
16658 1993 UD_1	11.7655	0.17	2	DWF
16659 1993 UH_1	13.9373	0.76	2	DWF
16666*Liroma	79.	0.51	2 T	
16669*Rionuevo	4.953	0.47−0.92	3 p	
16672 Bedini	9.540	0.35	2	SWF
16675 Torii	20.4611	0.18	2	DWF
16679 1994 EQ_2	13.501	0.77	2	SWF
16681 1994 EV_7	5.3147	0.81−1.12	3	
16682 Donati	4.669	0.42	2	SWF
16689 Vistula	S 4.040915		2 p N	LCI-W
16690 Fabritius	8.020	0.72	2	SWF
16691*1994 *VS*	2.97282	0.15	2	DWF
16694*1995 *AJ*	530.713	0.12	2	DWF
16696 Villamayor	4.51	0.46−0.53	2	SWF
16698 1995 *CX*	52.8	0.20	2	
16706 Svojsík	5.866	0.09	1	
16712 1995 SW_{29}	S 17.1699		2 p N	LCI-W
16713 Airashi	23.6911	0.79	2	DWF
16717 1995 UJ_8	6.42345	0.25	2	DWF
16719 Mizokami	15.634		2−	SWF
16720 1995 *WT*	24.687	0.32	2	DWF
16721 1995 WF_3	14.666	0.57	2	SWF
16722 1995 WG_7	46.6572	0.25	2	DWF
16724 Ullilotzmann	3.42	0.13−0.16	3−	
16726 1996 *DC*	12.5622	0.19	2	DWF
16734 1996 HZ_{22}	8.339	0.40−0.57	2	SWF
16743 1996 *OQ*	2.743	0.18−0.19	2	SWF
16747 1996 PS_8	2.873	0.26	2	SWF
16754 1996 *RW*	3.281	0.13	2	SWF
16756 Keuskamp	5.519	0.32	2	SWF
16765 Agnesi	7.546	0.31	2	SWF
16768 1996 UA_1	6.61662	0.11	2	DWF
16771 1996 UQ_3	S 4.95609		2 p N	LCI-W
16773 1996 VO_1	5.345	0.45	3	
16774*1996 VP_1	18.5635	0.53	2	DWF
16776 1996 VA_8	97.879	1.07	2	SWF
16783 Bychkov	S 6.87297		2 p N	LCI-W
16786*1997 AT_1	4.023	0.50−0.52	2 p	SWF
16789*1997 AU_3	72.9217	0.49	2 p	DWF
16790 Yuuzou	8.576	0.38	2	SWF
16794 Cucullia	10.8876	0.30	2	DWF
16796 Shinji	102.799	0.62	2	DWF
16801 Petřínpragensis	2.84	0.14	2	SWF
16803 1997 SU_{10}	36.124		2	SWF
16804 Bonini	10.8634	0.61	3	
16806 1997 SB_{34}	23.449	0.75	2−	
16808 1997 TV_{26}	20.43	0.81	2−	
16813 Ronmastaler	8.293	0.24−0.29	2 A	
16815*1997 UA_9	2.91773	0.18−0.22	3	
16816 1997 UF_9	2.449	0.10−0.12	2+	
16819 1997 *VW*	274.922	0.50	2	SWF
16824 1997 VA_8	5.39698	0.84	2	DWF
16825 1997 VC_8	2.46	0.08	2	SWF
16829 1997 WG_7	2.02	0.08	2	SWF
16831 1997 WM_{21}	8.1072	0.14−0.16	2+	
16832 1997 WR_{21}	5.17324	0.25	2	DWF

Planet	Period	Variation	Note	Survey
16834 1997 WU_{22}	9.345	0.29−0.63	3	
16838 1997 WT_{39}	4.84912	0.14	2	DWF
16839 1997 WT_{41}	14.850		2	SWF
16843 1997 XX_{3}	275.	0.41	2 T?	
16847*Sanpoloamosciano	8.183	0.14−0.56	3 p	
16849 1997 YV	6.0472	0.75	3	
16851 1997 YU_{1}	145.85	0.34	2	DWF
16852 Nuredduna	6.299	0.30−0.41	3	
16858 1997 YG_{10}	5.232	0.24	2	SWF
16864 1998 AL	19.166	0.31	2	SWF
16871 1998 BD	23.993		2−	SWF
16872*1998 BZ	2.810	0.34−0.45	2	SWF
16875 1998 BD_{4}	5.323	0.66	2	SWF
16876 1998 BV_{6}	25.940	0.38	2	SWF
16878 Tombickler	3.83926	0.16	2	DWF
16879 Campai	314.247	0.68	2	SWF
16880 1998 BW_{11}	3.347	0.17−0.27	3	
16885 1998 BX_{25}	4.992	0.36	2	SWF
16886 1998 BC_{26}	5.9908	0.18	3−	
16890*1998 BJ_{33}	57.555	0.84−0.97	2	SWF
16892 Vaissière	3.33	0.18	2	SWF
16896 1998 DS_{9}	708.	0.43	3− T?	
16897*1998 DH_{10}	9.18344	0.43	2 p	DWF
16903*1998 DD_{15}	14.862	0.57−0.62	2	SWF
16907 1998 DS_{29}	5.55549	0.38	2	DWF
16908 Groeselenberg	5.338	0.20	2+	
16909 Miladejager	6.786	0.38	2	SWF
16917 1998 FB_{29}	321.546	0.69	2	SWF
16920 Larrywalker	61.6442	0.92	2	DWF
16923 1998 FB_{61}	5.916	0.57−0.59	2	SWF
16924 1998 FL_{61}	4.399	0.50	2	
16927*1998 FX_{68}	33.856	0.68−0.73	3 p	
16931 1998 FO_{75}	193.866	0.51	2	DWF
16935 1998 FX_{111}	6.298	0.70−0.82	3	
16936*1998 FJ_{112}	18.0946	0.08	2−	DWF
16941 1998 GR_{7}	25.3585	0.30	2	DWF
16942 1998 HA_{34}	124.319	0.19	2	DWF
16943 1998 HP_{42}	16.764	0.67	3−	
16948 1998 HA_{133}	24.6071	0.41	2	DWF
16950 1998 JQ	3.028	0.12	2	SWF
16954 1998 KT_{48}	2.842	0.29	2	SWF
16955*1998 KU_{48}	5.2608	0.37−0.51	3 p	
16956 1998 MQ_{11}	8.84	0.28	2	
16959 1998 QE_{17}	3.2266	0.30−0.45	3	
16960*1998 QS_{52}	5.789	0.24−1.5	2 A	
16966 1998 SM_{63}	5.072		2−	SWF
16971 1998 WJ_{3}	S 43.1120		2 p N	LCI-W
16972 Neish	76.6286	0.44	2	DWF
16973 Gaspari	5.661		2−	SWF
16974 Iphthime	78.9	0.25	2+	
16976 1999 AC_{2}	4.163		2−	SWF
16977 1999 AS_{3}	50.070	0.25	2	SWF
16979*1999 AO_{4}	3.845	0.42−0.65	2	SWF
16992 1999 CU_{5}	17.7634	0.52	2	DWF
16993 1999 CC_{10}	94.7624	0.32	2	DWF
16996 Dahir	7.938		2−	SWF
17000 Medvedev	6.856	0.59−0.69	2 p	SWF
17001 1999 CT_{54}	7.63344	0.16	2	DWF
17005 1999 CD_{63}	>1.13	>0.56		SWF
17007 1999 CK_{65}	11.144	0.18	3−	
17009 1999 CM_{70}	2.730	0.10	1	SWF
17010*1999 CQ_{72}	15.781	0.49−1.00	3	
17012 1999 CY_{80}	48.2508	0.22	2	DWF
17014 1999 CY_{96}	3.92	0.66	2	
17018 1999 DB_{1}	S 5.31832		2 p N	LCI-W
17023 Abbott	48.243		2−	SWF
17026 1999 EC_{8}	15.329	0.33	2	DWF
17028 1999 FJ_{5}	S 12.80411		2 p N	LCI-W
17030 Sierks	416.198	0.31	2	SWF
17035 Velichko	2.899	0.23−0.29	2	
17038 Wake	17.658	0.23	2	SWF
17047 1999 FP_{33}	17.5856	0.15	2	DWF
17048 1999 FD_{34}	>3.72	>0.10		SWF
17054 1999 GL_{2}	7.747		2−	SWF
17055 1999 GP_{3}	113.398	0.18	2	DWF
17057 1999 GS_{4}	47.408		2−	SWF
17058 Rocknroll	>5.25	>0.11		SWF
17060 Mikecombi	11.4	0.33	2−	
17068 1999 GO_{19}	4.274	0.56	2	SWF
17074 1999 GQ_{36}	33.375	0.31	2	SWF
17079 Lavrovsky	4.18	0.45	2+	
17080 1999 HE_{9}	5.88211	0.20	2	DWF
17083 1999 JB_{4}	6.147	0.07	2+	
17091 Senthalir	679.872	0.07	1	SWF
17100 Kamiokanatsu	7.065	0.18	2	SWF
17101 Sakenova	55.3261	0.64	2	DWF
17102 Begzhigitova	5.341	0.3	2	
17105 1999 JC_{47}	3.513	0.41	2	
17109 1999 JF_{52}	3.1874	0.32	3	
17111*1999 JH_{52}	8.89934	0.56	2 p	DWF
17113 1999 JE_{54}			HN	DWF
17116 1999 JO_{57}	19.101		2	SWF
17118 1999 JM_{58}	>5.30	>0.07		SWF
17119 Alexisrodrz	17.794	0.46−0.60	2	SWF
17120 1999 JP_{60}	16.249		2−	SWF
17122 1999 JH_{63}	290.079	0.09	1	SWF
17124 1999 JC_{65}	3.37	0.30	2−	SWF
17127 1999 JE_{69}	240.669	0.85	2	SWF
17129 1999 JM_{78}	6.2615	0.44−0.51	3	
17132 1999 JV_{80}	1.40239	0.09	2	DWF
17133 1999 JC_{81}	48.1843	0.14	2	DWF
17136 1999 JE_{82}	140.58	0.61	2	DWF
17137*1999 JK_{84}	11.510	0.27−0.40	2	SWF
17138 1999 JM_{84}	265.856	0.13	2	DWF
17139 Malyshev	S 4.202622		2 p N	LCI-W
17148 1999 JJ_{105}	2.7778	0.20−0.25	2+	SWF
17149 1999 JM_{105}	138.110	0.50	2	SWF
17150 1999 JP_{109}	6.268	0.14	2	SWF
17152 1999 JA_{118}	9.4161	0.22	3	
17154*1999 JS_{121}	2.89186	0.31	2 p	DWF
17157 1999 KP_{6}	3.72	0.17	2	
17161 1999 LQ_{13}	7.720	0.62	2 p	SWF
17163 Vasifedoseev	4.112	0.23	2	SWF
17164 1999 LP_{24}	7.03175	0.13	2	DWF
17170 Vsevustinov	3.3750	0.16	3	
17171*1999 NB_{38}	64.79	0.17−0.66	2	
17172 1999 NZ_{41}	47.02	0.83	3−	
17177 1999 TA_{41}	7.313	0.28	2	SWF
17178 1999 TK_{218}	9.067	0.46	2	SWF
17182 1999 VU	6.61	0.15	2	
17188 1999 WC_{2}	5.0638	0.44−0.45	3	
17196*Mastrodemos	5.27282	0.23	2 p N	DWF
17198*Gorjup	3.2430	0.12−0.13	3	
17208 Pokrovska	5.42102	0.32	2	DWF
17211 Brianfisher	4.35437	0.17	2	DWF
17213 2000 AF_{186}	46.992	0.42	2	DWF
17215 Slivan	4.534	0.41	2	SWF
17217 2000 AR_{243}	8.072	0.97	2	SWF
17225 Alanschorn	48.174		2−	SWF
17226 2000 CC_{76}	2.926	0.26	2	SWF
17229 2000 CR_{97}	>1.33	>0.17		SWF
17243 2000 FX_{35}	24.5865	0.21	2	DWF
17246 Christophedumas	>10.	>0.15	B	
17249 Eliotyoung	3.53	0.23	1+	SWF
17251*Vondracek	3.780	0.10−0.14	2	SWF
17252*2000 GJ_{127}	8.824	0.14−0.23	3	
17260 Kušnirák	3.1285	0.15−0.18	3 B	
17266 2000 KT_{6}	6.627	0.20	2	SWF
17267 2000 KY_{48}	4.149	0.26	2	SWF
17269 Dicksmith	18.391	0.27	2	SWF
17271 2000 LL_{2}	7.506	0.26	2	SWF
17274 2000 LC_{16}	16.495	0.23−0.33	3	
17275 2000 LX_{19}	6.49551	0.30	2	DWF
17279 Jeniferevans	S 6.51152		2 p N	LCI-W
17282 2000 LS_{34}	37.1204	0.06	2	DWF
17286 Bisei	5.250		2−	SWF
17288*2000 NZ_{10}	3.9332	0.15−0.19	3	
17291 2547 P–L	5.716		2−	SWF
17293 2743 P–L	23.24	0.55	1	SWF
17294 2787 P–L	4.443	0.53	2	SWF
17296*3541 P–L	6.205	0.42−0.71	2	SWF
17297 3560 P–L	116.765	0.74	2	SWF
17299 4168 P–L	22.678	0.72	2	SWF
17302 4610 P–L	5.015	0.70	2	
17305 Caniff	16.85	0.28	2+	
17306 4865 P–L	3.128	0.28	2	SWF
17311 6584 P–L	20.793	0.34	2	SWF
17314 Aisakos	9.67	0.34	3	
17319 3078 T–1	44.278	0.29	2	DWF
17322 3274 T–1	4.50003	0.15	2	DWF

Planet	Period	Variation	Note	Survey
17323 3284 *T–1*	S 6.21291		2 p N	LCI-W
17325 3300 *T–1*	6.4481	0.90−0.99	3	
17328 1176 *T–2*	20.537		2	SWF
17329 1277 *T–2*	S 9.07938		2 p N	LCI-W
17332 2120 *T–2*	43.574		2	SWF
17335 2281 *T–2*	4.225	0.57	2	SWF
17347 3449 *T–3*	2.748	0.29	2	SWF
17348 4166 *T–3*	3.580	0.15	2	SWF
17358 Lozino–Lozinskij	9.099		2	SWF
17365 1978 VF_{11}	12.672	0.51−0.98	3	
17367 1979 OU_{11}	216.894	0.75	2	DWF
17370 1980 *CJ*	15.7605	0.22	2	DWF
17371 1981 *DT*	6.13834	0.42	2	DWF
17372 1981 *DV*	5.41652	0.22	2	DWF
17376 1981 EQ_4	136.172	0.34	2	DWF
17378 1981 EM_5	18.4114	0.19	2	DWF
17382 1981 EH_{11}	4.973	0.38	2	SWF
17383 1981 EE_{12}	7.4	0.07	1	
17388 1981 EZ_{24}	6.896	0.08	1	SWF
17390 1981 EZ_{37}	3.47535	0.41	2	DWF
17395 1981 EA_{44}	4.522	0.27	2	SWF
17396 1981 EK_{45}	10.360		2	SWF
17399 Andysanto	2.692	0.07	3−	
17404 1986 TZ_3	S 14.04109		2 p N	LCI-W
17405*1986 VQ_2	5.076	0.23−0.42	2	SWF
17407 Teige	S 4.82592		2 p N	LCI-W
17408 McAdams	18.42	0.51	2	
17409 1988 BA_4	3.849	0.21	2	SWF
17411 1988 DF_3	6.454	0.07	1	SWF
17414 1988 RN_{10}		1.02	I	
17416 1988 RR_{10}	40.966	0.44	2	SWF
17417 1988 RY_{10}	6.724	0.48	2	SWF
17418 1988 RT_{12}	6.075	0.12	2	SWF
17419 1988 RH_{13}	19.233	0.26	2	SWF
17425 1989 AM_3	3.83932	0.29	2	DWF
17428*Charleroi	5.335	0.12−0.19	2+ p	
17430 1989 *KF*	2.227	0.08	1	SWF
17432 1989 *SR*	4.089	0.37	2	SWF
17436 1989 SV_3	10.9302	0.16	2	DWF
17438 Quasimodo	3.010	0.28	2	SWF
17447 Heindl	2.569	0.18	3	
17452 Amurreka	12.772	0.61	2	SWF
17457*1990 SC_{11}	4.157	0.18−0.21	2	SWF
17458 Dick	5.88	0.88	2	SWF
17465 Inawashiroko	S 25.1984		2 p N	LCI-W
17469 1991 *BT*	17.172	0.23	2	SWF
17470 Mitsuhashi	12.6	0.68	2−	
17472 Dinah	15.1739	0.24	2	DWF
17479 1991 PV_9	3.146	0.31−0.34	2+	
17486 Hodler	4.80798	0.30	2	DWF
17492*Hippasos	17.699	0.21−0.40	3−	
17495 1992 *DY*	84.796	0.60	2	SWF
17509*Ikumadan	5.788	0.29−0.40	3	
17511*1992 *QN*	5.9902	0.72−1.10	3 p	
17519 Pritsak	5.727	0.23	2	SWF
17535 1993 FF_{40}	3.602	0.37	2	SWF
17541 1993 OL_5	>5.18	>0.26		SWF
17543 Sosva	7.582	0.37−0.43	2	SWF
17556 Pierofrancesca	9.17	0.70	3	
17560 1994 AD_3	17.2401	0.25	2	DWF
17567*Hoshinoyakata	19.882	0.34−0.40	2 p	SWF
17568*1994 GT_8	3.165	0.23−0.26	2	SWF
17573 1994 PJ_{13}	4.931	0.19−0.20	2	SWF
17574 1994 PT_{13}	2.663	0.32	2	SWF
17583 1994 WV_2	4.279	0.23	2	SWF
17584 1994 XF_1	4.6392	0.35−0.56	3− T	
17589 1995 BR_{10}	S 6.99815		2 p N	LCI-W
17590 1995 *CG*	49.6	0.40−0.55	2	
17591 1995 *DG*	6.558	0.37	2	SWF
17592 1995 *DR*	3.25	0.10	2	SWF
17593 1995 *DV*	3.62	0.21	2	SWF
17595 1995 *EO*	16.84	0.28	1+	SWF
17599 1995 ON_4	3.252	0.17−0.18	2	SWF
17603 Qoyllurwasi	23.5324	0.04	2 1	DWF
17605 1995 SR_{26}	6.319	0.58	2	SWF
17606 Wumengchao	11.32	0.56	2	SWF
17609 1995 *UR*	6.545	0.55	2	SWF
17610 1995 UJ_1	5.93	0.97	2 p	SWF
17614 1995 UT_7	7.17277	0.14	2	DWF
17619 1995 *VT*	3.475	0.40	2	SWF
17622 1995 WW_2	6.917	0.63	2	SWF
17626*1996 AG_2	5.716	0.25−0.33	2	SWF
17627 Humptydumpty	42.462	0.31	2	SWF
17633 1996 *JU*	6.2098	0.21−0.26	2+ A	
17637 Blaschke	5.049		2	SWF
17638 Sualan	3.494		2	SWF
17645 Inarimori	137.351	0.69	2	SWF
17652 Nepoti	13.004	0.26	2	SWF
17655 1996 VL_3	4.841	0.31	2	SWF
17656 Hayabusa	6.119	0.26	2	SWF
17657 Himawari	5.507	0.53	3	
17659 1996 VX_5	41.4097	0.15	2	DWF
17663 1996 VK_{30}	34.062	0.17	2	SWF
17664*1996 VP_{30}	3.675	0.20−0.24	3	
17676 1997 AG_1	3.86374	0.29	2	DWF
17677 1997 AW_2	>1.90	>0.44		SWF
17681 Tweedledum	75.2	0.90	3 T0	
17682*1997 AR_{12}	21.079	0.25−0.30	2	SWF
17683 Kanagawa	5.895	0.4	3	
17685 1997 AJ_{19}	5.30	0.59	2	SWF
17689*1997 *CS*	137.105	0.46−0.52	2	SWF
17690 1997 CY_2	>20.	>0.5	2	SWF
17694 Jiránek	4.65	0.33	2	SWF
17697 Evanchen	>1.13	>0.18		SWF
17699 1997 GX_7	8.909	0.27	2	SWF
17700 Oleksiygolubov	3.8382	0.13−0.15	3 B	
17702 Kryštofharant	2.521	0.15−0.18	2	SWF
17706 1997 VA_6	217.273	0.45	2	DWF
17715 1997 WZ_{39}	6.161	1.04	3−	SWF
17722 1997 YT_1	8.6387	0.36	3−	
17723 1997 YA_4	8.282	0.11	2	
17727 1997 YU_{11}	S 3.523620		2 p N	LCI-W
17730 1998 AS_4	8.1214	0.50	3	
17731 1998 AD_{10}	4.721	0.12	2	SWF
17736 1998 BA_{12}	3.04	0.15	2	SWF
17738 1998 BS_{15}	4.235	0.10	3	
17745 1998 BG_{34}	>4.37	>0.32		SWF
17747 1998 BJ_{42}			HN	DWF
17753 1998 DZ_5	7.867	0.79−0.93	2	SWF
17754 1998 DN_8	S 12.11500		2 p N	LCI-W
17757 1998 DG_{15}	3.71503	0.17	2	DWF
17759 Hatta	27.7892	0.30	2	DWF
17767 1998 EJ_6	115.32	0.72	2	DWF
17769 1998 EM_9	22.1031	0.09	2	DWF
17770 Baumé	3.263	0.20−0.35	2	
17771 Elsheimer	15.97	0.46	2− H	DWF
17772 1998 EP_{13}	44.826		2	SWF
17774 1998 ER_{14}	6.62808	0.91	2	DWF
17779 Migomueller	6.514	0.40	2	SWF
17780 1998 FY_{13}		0.32		
17786 1998 FL_{36}	28.7504	0.18	2	DWF
17792 1998 FR_{56}	13.934	0.50	2	SWF
17793 1998 FO_{58}	12.5555	0.25	2	DWF
17808 1998 FV_{74}	15.5253	0.18	2	DWF
17809 1998 FR_{78}	61.7073	0.23	2	DWF
17810 1998 FM_{100}	8.5395	0.13	2	DWF
17812 1998 FH_{109}	3.70682	0.24	2	DWF
17814*1998 FH_{113}	9.22	0.29−0.80	3−	
17817 1998 FU_{116}	3.14851	0.35	2	DWF
17821 Bölsche	5.934	0.32	2	SWF
17822 1998 FM_{135}	4.613	0.28	2+	
17823*Bartels	3.800	0.20−0.23	2	SWF
17826 Normanwisdom	75.9455	0.51	2	DWF
17829 1998 HX_{32}	18.4049	0.26	2	DWF
17834 1998 HL_{43}	21.265	0.64−0.69	2	SWF
17839*1998 HN_{95}	7.141	0.30−0.39	2	SWF
17840 1998 HG_{96}	25.8412	0.28	2	DWF
17845 1998 HY_{112}	6.6	0.48	2	
17847 1998 HQ_{115}	289.840	0.64	2	SWF
17848 1998 HR_{133}	6.94	0.37−0.51	2+	SWF
17850 1998 HR_{150}	14.446	0.60	2	DWF
17852 1998 JN_1	12.8031	0.36	2	DWF
17855 Geffert	7.46763	0.32	2	DWF
17860 Roig	2.964	0.12−0.16	2	SWF
17862 1998 KT_{28}	4.371	0.06	1	SWF
17864 1998 KK_{38}	6.56	0.17−0.23	2	
17868*1998 KW_{46}	4.681	0.43−0.47	2	SWF
17869 Descamps	11.934	0.43	2	SWF
17873 1998 XO_{96}	S 10.69335		2 p N	LCI-W
17874 1998 YM_3	9.81	0.18	2−	

Planet	Period	Variation	Note	Survey
17877*1999 AZ_{22}	12.553	0.33	2 p	DWF
17878 1999 AR_{25}	>20.	>0.3	2	SWF
17892 Morecambewise	2.462	0.07	1	SWF
17893 Arlot	S 4.809207		2 p N	LCI-W
17894 1999 FP	9.960	0.67	2	SWF
17895 1999 FZ_{2}	23.2906	0.28	2	DWF
17901 1999 FT_{25}	9.70	0.46	2	SWF
17904 Annekoupal	13.323	0.10	2	DWF
17906*1999 FG_{32}	7.81874	0.31	2 p	DWF
17915 1999 GU	3.580	0.25	2+	
17916 1999 GZ_{3}	36.4772	0.23	2	DWF
17919*Licandro	2.897	0.09−0.24	2	SWF
17921 Aldeobaldia	208.857	0.38	2	DWF
17923 1999 GY_{16}	>20.	>0.1	1	SWF
17924 1999 GA_{17}	6.67	0.68	2	
17926 Jameswu	5.343	0.18	2	SWF
17929 1999 GQ_{21}	4.443	0.71	2	SWF
17933 Haraguchi	33.6885	0.09	2	DWF
17938 Tamsendrew	2.642	0.17	2+	
17939*1999 HH_{8}	5.10	0.05−0.26	2	
17944 1999 JF_{7}	6.62	0.27	2	SWF
17953 1999 JB_{20}	37.279	0.08	1	SWF
17957 1999 JE_{29}	72.5097	0.24	2	DWF
17961 Mariagorodnitsky	5.952		2−	SWF
17962 Andrewherron	23.7925	0.05	2	DWF
17963 Vonderheydt	6.84474	0.43	2	DWF
17964 1999 JY_{41}	2.84811	0.15	2	DWF
17966 1999 JS_{43}	78.1156	0.58	2	DWF
17973 1999 JP_{51}	10.138	0.07	1	SWF
17974*1999 JL_{52}	6.834	0.62−0.69	2	SWF
17981 1999 JZ_{56}	3.134	0.56	2	SWF
17983 Buhrmester	S 11.74096		2 p N	LCI-W
17989 1999 JE_{64}	5.432	0.22−0.25	2+	
17990 1999 JK_{64}	53.1523	0.29	2	DWF
17995 Jolinefan	17.305	0.69	2	DWF
17997*1999 JN_{78}	5.04678	0.58	2 p	DWF
18000 1999 JX_{80}	3.73945	0.24	2	DWF
18007 1999 JK_{97}	4.447	0.15	2+	
18008 1999 JV_{99}	4.708	0.22	2	SWF
18010 1999 JQ_{100}	4.31989	0.16	2	DWF
18015 Semenkovich	23.907		2−	SWF
18017 1999 JC_{124}	3.0300	0.18	3	
18018*1999 JR_{125}	5.608	0.77−1.33	3−	
18023 1999 JQ_{129}	7.25775	0.56	2	DWF
18031*1999 LO_{14}	17.78	0.06−0.27	2	SWF
18033 1999 NR_{4}	16.2915	0.40	2	DWF
18035 1999 NJ_{7}	4.293	0.12−0.16	2	SWF
18038 1999 NR_{48}	39.4503	0.31	2	DWF
18042 1999 RF_{27}	7.2998	0.64	3	
18046 1999 RN_{116}	36.00	0.13	2−	
18047 1999 RP_{145}	11.628	0.25−0.26	2	SWF
18049 1999 RX_{195}	S 4.096077		2 p N	LCI-W
18052 1999 RV_{199}	23.5599	0.16	2	DWF
18056 1999 TV_{15}	54.538		2−	SWF
18057 1999 VK_{10}	S 8.51475		2 p N	LCI-W
18058 1999 XY_{129}	374.846	0.58	2	SWF
18059 Cavalieri	6.7047	0.58	2	DWF
18060 1999 XJ_{156}	15.50	0.48−0.50	2+	
18061 1999 XH_{179}	15.7837	0.88	2	DWF
18062 1999 XY_{187}	9.773	0.45−0.57	3	
18073*2000 CB_{82}	5.763	0.26−0.38	2	SWF
18079 Lion–Stoppato	4.09	0.39−0.43	3−	SWF
18081 2000 GB_{126}	8.284	0.32	3	
18082 2000 GB_{136}	11.94	0.73	2	
18092 Reinhold	S 18.20644		2 p N	LCI-W
18094 2000 KN_{56}	3.27292	0.25	2	DWF
18096 2000 LM_{16}	86.	0.18	2− T0	
18104 Mahalingam	6.57788	0.80	2	DWF
18108 2000 NT_{5}	2.910	0.15	3	
18109 2000 NG_{11}	4.25	0.77−1.13	3	
18111 Pinet	25.927	0.10	1	SWF
18116 Prato	5.54216	0.47	2	DWF
18118 2000 NB_{24}	2.524	0.08	1	SWF
18123 Pavan	4.8	0.12	1	SWF
18125 Brianwilson	3.188	0.18	2	SWF
18126 2000 OU_{3}	31.347	0.46	2	SWF
18127 Denversmith	8.66166	0.84	2	DWF
18131 2000 OM_{5}	4.87266	0.30	2	DWF
18137 2000 OU_{30}	16.20	0.20−0.30	3	
18140 2000 OD_{39}	78.2771	0.56	2	DWF
18144 2000 OO_{48}	3.10	0.24−0.30	3	
18147 2000 OY_{50}	6.17532	0.51	2	DWF
18156*Kamisaibara	11.9198	0.51	2 p	DWF
18159*Andrewcook	19.5251	0.38	2 p	DWF
18161 Koshiishi	12.0068	0.10	2	DWF
18164 2000 PA_{20}	4.068	0.57	2	SWF
18169*Amaldi	34.14	0.29−0.43	2	
18172*2000 QL_{7}	2.3767	0.13−0.18	3	
18178 2000 QP_{28}	2.592	0.13	2	SWF
18180 Irenesun	10.306	0.41	2	SWF
18181 2000 QD_{34}	5.180	0.32	3	
18186 2000 QW_{50}	7.30	0.39−0.57	3	SWF
18187 2000 QQ_{53}	S 67.104		2 p N	LCI-W
18188 2000 QD_{55}	11.85	0.58	2	SWF
18194 2000 QE_{100}	16.624	0.43−0.56	2	SWF
18195 2000 QG_{116}	5.25	0.71	3−	SWF
18196 Rowberry	S 49.107		2 p N	LCI-W
18201 2733 *P–L*	7.153	0.31−0.33	2	SWF
18205 3090 *P–L*	5.95356	0.21	2	DWF
18212 4603 *P–L*	6.132		2	SWF
18219 6260 *P–L*	4.710	0.16−0.19	3−	
18228 Hyperenor	32.839	0.20	2	SWF
18231 3286 *T–1*	31.7696	0.25	2	DWF
18232*3322 *T–1*	10.990	0.19−0.25	2	SWF
18233 4068 *T–1*	8.38554	0.34	2	DWF
18242 Peebles	4.249	0.37	2	SWF
18243 Gunn	6.63708	0.27	2	DWF
18263 Anchialos	10.39	0.35	2	
18271 2332 *T–3*	4.175		2−	SWF
18276 3355 *T–3*	>1.15	>0.36		SWF
18278 Drymas	28.087	0.63	2 p	SWF
18279 4221 *T–3*	16.658	0.39	2	SWF
18280 4245 *T–3*	3.808	0.55−1.15	3−	
18284 Tsereteli	8.58136	0.07	2	DWF
18285 Vladplatonov	8.103	0.51−0.81	2	SWF
18289 Yokoyamakoichi	34.0334	0.46	2	DWF
18300 1979 *PA*	5.35861	0.33	2	DWF
18301 Konyukhov	2.6667	0.15	3−	
18303*1980 *PU*	2.72627	0.10	3 B	
18307 1981 ER_{10}	60.792	0.77	2	SWF
18313 1981 EB_{23}	3.168	0.26	2	SWF
18316 1981 EJ_{38}	20.5788	0.21	2	DWF
18323 1983 RZ_{2}	3.29	0.55−0.64	2	SWF
18325 1984 SB_{2}	9.63782	0.27	2	DWF
18327 1985 CX_{1}	9.443	0.09	1	SWF
18332 1987 *ON*	11.9815	0.59	2	DWF
18335 San Cassiano	3.749	0.09	1	SWF
18338 1989 EP_{2}	7.108	0.55	2	SWF
18340 1989 *OM*	4.52352	0.30	2	DWF
18346 1989 *WG*	3.55933	0.09	2	DWF
18348 1990 BM_{1}	7.5238	0.29−0.72	3	
18349 Dafydd	13.55	0.66	2	SWF
18350 1990 QJ_{2}	97.787	0.46	2	SWF
18353 1990 QF_{9}	18.225	0.36	2	SWF
18357 1990 SR_{2}	16.55	0.23	2	SWF
18368 Flandrau	5.777	0.89−0.90	3	
18376 Quirk	7.66683	0.11	2	DWF
18382 1992 EG_{22}	5.883	0.28−0.31	2	SWF
18386 1992 EL_{35}	4.56847	0.39	2	DWF
18387 1992 GN_{3}	S 11.83566		2 p N	LCI-W
18390 1992 JD_{3}	5.225		2−	SWF
18392 1992 PT_{4}	14.763	0.21	2+	
18393 1992 *QB*	15.1665	0.12	2	DWF
18395*Schmiedmayer	4.47765	0.47	2 p	DWF
18398 Bregenz	5.376	0.57	2	SWF
18401 1992 WE_{4}	3.14	0.25	2	
18406 1993 FT_{14}	6.597	0.36	2	SWF
18412 Kruszelnicki	2.72459	0.26	2	DWF
18414*1993 OY_{6}	52.710	0.68−0.71	2	SWF
18415 1993 PW_{5}	6.355	0.65	2	SWF
18418 Ujibe	3.470	0.23	2	SWF
18421 1993 TV_{34}	3.603	0.30−0.31	2	SWF
18422 1993 UE_{6}	6.359		2	SWF
18425 1993 *YL*	S 4.966008		2 p N	LCI-W
18429 1994 AO_{1}	3.911	0.15−0.23	3	
18433 1994 *EQ*	14.712	0.34	2	SWF
18434*Mikesandras	3.137	0.17−0.25	2+	
18435 1994 GW_{10}	4.74435	0.39	2	DWF
18439*1994 LJ_{1}	18.291	0.20−0.42	3−	
18441 Cittadivinci	74.3891	0.26	2	DWF

Planet	Period	Variation	Note	Survey
18443 1994 PW_8	2.998	0.31	2	SWF
18444 1994 PL_{10}	4.176	0.34−0.41	2	SWF
18449 Rikwouters	3.65	0.17	2	SWF
18454 1995 BF_1	16.196	0.29	2	SWF
18459 1995 FD_1	9.241	0.41	2	SWF
18468 1995 UE_8	9.09056	0.22	2	DWF
18474 1995 WV_3	11.345	0.85	2	SWF
18476 1995 WR_7	8.81591	0.37	2	DWF
18479 1995 XR	2.983	0.27	2	SWF
18481 1995 YH	7.323	0.66−0.72	2	SWF
18482 1995 YO	8.743	0.19−0.21	2	SWF
18486 1996 AS_2	3.62	0.2 −0.34	2+	
18487 1996 AU_3	6.512	0.72	2 p	
18490 1996 BG_{17}	7.58208	0.19	2	DWF
18493*Demoleon	14.43	0.18−0.20	2	
18494 1996 HH_{10}	3.35	0.13	2	SWF
18495 1996 HH_{24}	6.5	0.22	2	
18498 Cesaro	8.718	0.48	2	SWF
18501 1996 OB	9.418	0.47	2	SWF
18503 1996 PY_4	3.4390	0.25	3	
18508 1996 RJ_2	>5.25	>0.15		SWF
18509 Bellini	3.18801	0.28	2	DWF
18513 1996 TS_5	9.74936	0.57	2	DWF
18518 1996 VT_3	2.96916	0.21	2	DWF
18523 1996 VA_7	3.413	0.35	2	SWF
18527 1996 VJ_{30}	3.35290	0.13	3 BN	
18528 1996 VX_{30}	11.433	0.53−0.55	2	SWF
18529 1996 WK_3	17.39	0.07	2	DWF
18530 1996 XS_1	4.27	0.17	2	SWF
18532 1996 XW_2	3.464	0.18	2	SWF
18535 1996 XQ_{13}	18.7827	0.21	2	DWF
18543 1997 AE	10.970	0.40	2	SWF
18545 1997 AO_2	3.181	0.12	2	SWF
18550 Maoyisheng	8.810	0.38	2	SWF
18552 1997 AM_{21}	100.142	0.20	2	DWF
18570 1997 VB_6	4.011	0.81	2	SWF
18574 Jeansimon	11.055	0.07	1	SWF
18577 1997 XH	7.035		2	SWF
18582 1997 XK_9	114.	0.94	3 T0	
18584 1997 YB_2	26.159	0.08	1	SWF
18587 1997 YR_5	3.20	0.27	2	SWF
18590 1997 YO_{10}	2.95	0.11	1	
18595 1998 BR_1	S 6.02033		2 p N	LCI-W
18598*1998 BH_8	9.507	0.22−0.29	2	SWF
18599 1998 BK_8	10.644	0.18	2	SWF
18602 Lagillespie	5.76	1.31	2+	SWF
18607 1998 BT_{33}	20.761	0.08	1	SWF
18613 1998 DR	34.3478	0.79	2	DWF
18627 Rogerbonnet	4.46445	0.16	2	DWF
18631 Maurogherardini	14.155	0.15	2	SWF
18632 Danielsson	5.225	0.20	2	SWF
18641 1998 EG_{10}	5.2461	0.57−0.97	3 p	
18645 1998 EM_{19}	3.693	0.33−0.36	2	SWF
18647 Václavhübner	33.10	0.56	2	SWF
18653 Christagünt	5.26447	0.55	2	DWF
18655 1998 FS_{26}	18.9349	0.18	2	DWF
18666 1998 FT_{53}	S 5.5970		2 p N	LCI-W
18669 Lalitpatel	7.560	0.54	2	SWF
18671 Zacharyrice	3.306	0.16	2	SWF
18672 Ashleyamini	10.11	0.41	2	SWF
18674 1998 FG_{69}	>1.07	>0.06		SWF
18678 1998 FS_{85}	9.62537	0.69	2	DWF
18679 Heatherenae	6.248	0.48	2	SWF
18681 Caseylipp	7.10627	0.47	2	DWF
18682 1998 FH_{107}	11.647	0.68	2	SWF
18692 1998 HJ_{14}	3.07	0.16	1	SWF
18695 1998 HH_{27}	3.35909	0.22	2	DWF
18699 Quigley	216.487	0.93	2	SWF
18700 1998 HK_{54}	14.054	0.58	2	SWF
18712 1998 HN_{108}	30.7059	0.34	2	DWF
18721 1998 HC_{146}		0.56		SWF
18724 1998 JV_1	10.130	0.50	2	SWF
18727 Peacock	4.41997	0.29	2	DWF
18728 Grammier	13.1486	0.05	2	DWF
18732 1998 KP_{19}	31.3126	0.17	2	DWF
18734 Darboux	10.7371	0.34	2	DWF
18736 1998 NU	2.4753	0.10−0.26	3	
18737 Aliciaworley	3.796	0.26	3−	
18739 Larryhu	2.603	0.08	1	SWF
18742 1998 XX_{30}	60.132	0.23	2	DWF
18744 1999 AU	21.9	0.76	1	
18745*San Pedro	3.175	0.30−0.48	2	SWF
18751 Yualexandrov	32.3496	0.70	2	DWF
18753 1999 GE_{17}	28.5893	0.49	2	DWF
18754 1999 GL_{21}	5.676		2−	SWF
18758 1999 HD_2	5.132	0.74	2	SWF
18766 Broderick	12.152	0.59	2	SWF
18776 Coulter	3.132	0.36	2	SWF
18777 Hobson	10.227	0.21	2+	
18778 1999 JW_{43}	285.526	0.76	2	DWF
18781 Indaram	4.393		2−	SWF
18785 Betsywelsh	12.102		2−	SWF
18787 Kathermann	41.82	0.74−1.00	3−	
18791 1999 JF_{58}	57.5975	0.34	2	DWF
18796 Acosta	5.17	0.20	2	SWF
18797 1999 JT_{64}		0.52		SWF
18799 1999 JZ_{73}	183.059	0.71	2	DWF
18800 Terresadodge	13.7145	0.21	2	DWF
18801 Noelleoas	12.7612	0.61	3	DWF
18802 1999 JR_{76}	11.9674	0.27	2	DWF
18803 Hillaryoas	>5.40	>0.34		SWF
18804*1999 JS_{77}	44.4453	0.04−0.09	1+	DWF
18812 Aliadler	8.229		2−	SWF
18813 1999 KH_{15}	5.27989	0.63	2	DWF
18814 Ivanovsky	6.762	0.66	2	SWF
18817 1999 LF_{32}	7.553	0.41	2	SWF
18819 1999 NK_8	2.453	0.06	1	SWF
18820 1999 NS_9	13.1432	0.13	2	DWF
18823 Zachozer	19.661	0.25	2	SWF
18829 1999 NE_{30}	12.276	0.19	2	DWF
18830 Pothier	27.215	0.10	1	SWF
18831 1999 NP_{37}	S 14.01785		2 p N	LCI-W
18832 1999 NV_{42}	57.817	0.79	2	SWF
18835*1999 NK_{56}	16.259	0.10−0.56	3	
18841 Hruška		0.1		
18842 1999 RB_{22}	9.6	0.49	2 p	
18845 Cichocki	85.616	0.41	2	SWF
18848 1999 RH_{41}	27.768	0.13	2	SWF
18849 1999 RK_{55}	16.873	0.34	2	SWF
18851*Winmesser	27.327	0.34−0.39	3−	
18852 1999 RP_{91}	9.66	0.66−0.70	2+	SWF
18853 1999 RO_{92}	5.599	0.49−0.66	2	SWF
18857 Lalchandani	209.05	0.68	2	DWF
18860 1999 RL_{133}	62.6799	0.36	2	DWF
18861 Eugenishmidt	3.93	0.14	2	SWF
18864 1999 RQ_{195}	19.730	0.22	2	SWF
18865 1999 RQ_{204}	5.023	0.25	2	SWF
18867 1999 RX_{223}	67.5982	0.66	2	DWF
18874 Raoulbehrend	5.3436	0.47	2+	
18878 1999 XD_{118}	2.61844	0.09	2	DWF
18881 1999 XL_{195}	2.98	0.20	3	
18885 2000 AH_{80}	4.642		2	SWF
18889 2000 CC_{28}	S 20.7316		2 p N	LCI-W
18890 2000 EV_{26}	3.8216	0.09−0.13	3 B	
18892*2000 ET_{137}	186.790	0.70−0.75	2	SWF
18895 2000 GJ_{108}	4.66	0.35	2	
18896 2000 GN_{113}	7.22	0.54−0.66	2	
18897 2000 HG_{30}	25.0282	0.02	2	DWF
18899 2000 JQ_2	222.	0.13	2+	
18901 2000 MR_5	41.6808	0.20	2	DWF
18906 2000 OJ_{19}	77.90	0.80	3− T0	
18911 2000 OY_{31}	38.6166	0.24	2	DWF
18915 2000 OR_{38}	5.62219	0.17	2	DWF
18922*2000 PU_{12}	13.715	0.11−0.26	2	SWF
18926 2000 PO_{26}	4.530	0.33	2	SWF
18928 Pontremoli	7.39447	0.42	2	DWF
18930 Athreya	13.232	0.65−0.79	2	SWF
18932 Robinhood	13.742		2−	SWF
18937 2000 QF_{42}	7.48907	0.56	2	DWF
18939 Sariancel	7.569		2−	SWF
18941 2000 QX_{50}	9.14	0.35	2	SWF
18949 Tumaneng	9.72704	0.54	2	DWF
18954 Sarahbounds	4.2988	0.21	2	DWF
18957 Mijacobsen	3.789	0.33	2	SWF
18958*2000 QL_{128}	4.170	0.31−0.59	2	SWF
18960 2000 QE_{130}	>5.40	>0.04		SWF
18977 2000 QK_{217}		0.15	N	
18978 2000 QH_{232}	22.147	0.17	2	DWF
18982 2000 RH_5	9.098	0.42	2	SWF
18985 2000 RR_{21}	3.09	0.11	2	SWF

Planet	Period	Variation	Note	Survey
18989 2000 RV_{26}	S 5.21891		2 p N	LCI-W
18990*2000 RW_{31}	3.524	0.16−0.24	2	SWF
18992*Katharvard	3.103	0.28−0.31	2	SWF
18993 2000 RB_{43}	37.1227	0.24	2	DWF
18996 Torasan	5.23281	0.36	2	DWF
18997 Mizrahi	S 5.93845		2 p N	LCI-W
19002 Tongkexue	4.25396	0.17	2	DWF
19006 2000 RY_{65}	22.139	0.44	2	SWF
19014 2000 RW_{77}	60.0583	0.20	2	DWF
19019 Sunflower	3.320	0.23−0.26	2	SWF
19020 2000 SC_6	9.82	0.43	2	
19021 2000 SC_8	3.02294	0.20	2	DWF
19022 Penzel	15.890	0.25−0.30	2	SWF
19023 Varela	7.44	0.39	2	SWF
19030 2000 SJ_{276}	4.55486	0.27	2	DWF
19033 2157 *P–L*	16.7154	0.21	2	DWF
19034 Santorini	247.	0.43	2 T0	
19040 4875 *P–L*	3.658	0.45	2	SWF
19054 1058 *T–2*	9.27	0.58	2	SWF
19055 1066 *T–2*	4.734	0.53	2	SWF
19056 1162 *T–2*	3.007	0.16	2	SWF
19063 3147 *T–2*	>1.97	>0.26		SWF
19064 3176 *T–2*	2.48698	0.18	2	DWF
19069 5149 *T–2*	23.1007	0.20	2	DWF
19075 4288 *T–3*	5.68302	0.29	2	DWF
19076 5002 *T–3*	10.090	0.71	2	SWF
19080 Martinfierro	3.29015	0.17	2	DWF
19083 Mizuki	3.047	0.25	2	SWF
19084 Eilestam	43.293		2−	SWF
19086 1978 VB_3	6.26	0.70	2 p	SWF
19087 1978 VT_4	4.889		2	SWF
19090 1978 VM_9	52.9836	0.12	2	DWF
19091 1978 *XX*	S 4.219087		2 p N	LCI-W
19094 1979 MR_6	93.901	0.72	2	SWF
19097*1981 EY_2	37.698	0.59−0.74	2	SWF
19102 1981 EH_8	55.581	0.50	2	DWF
19108 1981 EV_{21}	3.389	0.29	2	SWF
19110 1981 EF_{29}	7.078	0.77	2	SWF
19120 Doronina	5.39151	0.52	2	DWF
19124 1986 TH_3	14.5527	0.24	2	DWF
19125 1987 *CH*	75.8773	0.66	2	DWF
19126*Ottohahn	32.3	0.11	2	
19131 1988 CY_3	2.94	0.51	2	
19133 1988 PC_2	80.870	0.40	2	SWF
19136 Strassmann	10.512	0.92	2 p	SWF
19139 Apian	6.69316	0.64	2	DWF
19141 Poelkapelle	2.150	0.08	1	SWF
19145 1989 *YC*	5.899	0.36	2	SWF
19152 1990 OB_5	82.2473	0.18	2	DWF
19154 1990 QX_4	38.71	0.18	2	SWF
19155*Lifeson	5.079	0.25	2+	
19159 Taenakano	3.903	0.14	2	SWF
19163 1990 WE_5	3.387	0.28	2	SWF
19164 1991 AU_1	32.492	0.25	3−	
19167 1991 ED_2	28.240		2−	SWF
19170 1991 *FH*	25.0082	0.06	2	DWF
19173 Virginiaterése	10.6018	0.15	2	DWF
19174*1991 NS_6	7.74	0.57−0.85	2+	SWF
19178*Walterbothe	297.263	0.68	2	DWF
19181 1991 SD_1	S 5.12791		2 p N	LCI-W
19184 1991 TB_6	4.99	0.45	3−	
19185 Guarneri	2.116	0.08	1	SWF
19187 1991 VU_2	S 5.82416		2 p N	LCI-W
19188 Dittebesard	21.7906	0.15	2	DWF
19204*Joshuatree	480.	0.25−0.95	2+ B?	
19208 Starrfield	8.130	0.43	2	SWF
19210 Higayoshihiro	6.23	0.17	2	SWF
19224 Orosei	36.6486	0.55	2	DWF
19226 Peiresc	14.1449	0.14	2	DWF
19229 1993 SD_5	3.09474	0.07	2	DWF
19230*Sugazi	13.14	0.27	2	
19231*1993 TL_5	6.657	0.40−0.46	2	SWF
19235 van Schurman	7.485	0.28	2	SWF
19237 1994 *AP*	64.951	0.97	2	SWF
19239 1994 AM_2	9.464	0.11−0.23	2	SWF
19244 1994 CX_{12}	7.27	0.68	2	SWF
19245 1994 EL_2	211.519	0.38	2	DWF
19246 1994 EL_7	4.05	0.44	2	SWF
19250 Poullain	9.57	0.38	2	SWF
19251 Totziens	18.446	0.10	2	

Planet	Period	Variation	Note	Survey
19254*1994 VD_7	7.380	0.23−0.31	2	SWF
19255*1994 VK_8	4.7	0.42	2−	
19260 1995 *GT*	21.919	0.73	2	SWF
19261 1995 *MB*	4.5911	0.50−0.54	3	
19275 1995 XF_1	19.592	0.57	2	SWF
19276 1995 XS_4	4.764	0.57	2	SWF
19278 1995 *YN*	30.650	0.23	2	SWF
19283 1996 BJ_2	6.238	0.50	2	SWF
19286 1996 *DU*	3.2368	0.70−0.71	3	
19288*Egami	2.6590	0.13−0.15	2 N	
19289 1996 HY_{12}	2.8519	0.11−0.18	3	
19291 Karelzeman	3.57	0.61	2	SWF
19298 Zhongkeda	78.540	0.77	2	SWF
19300 1996 SH_6	17.14	0.24	2+	
19302*1996 *TD*	10.839	0.29−0.34	2	SWF
19303 Chinacyo	2.864	0.31	2	SWF
19308 1996 TO_{66}	7.92	0.12−0.26	2 A	
19309 1996 UK_1	5.21	0.06	2 A	
19311 1996 VF_3	13.8825	0.35	2	DWF
19314 1996 VT_8	25.0793	0.14	2	DWF
19321 1996 XY_7	19.0806	0.14	2	DWF
19327 1996 XH_{19}	3.9878	0.57	3− p	
19332 1996 YQ_1	>24.	>0.25	2	SWF
19333*1996 YT_1	2.83	0.19−0.24	2+	
19335 1996 YL_2	15.4387	0.14	2	DWF
19337 1997 *AT*	12.041	0.20	2	
19339 1997 AF_4	256.172	0.60	2	DWF
19356 1997 GH_3	6.714	0.74	3	
19357 1997 GZ_7	2.03	0.07	2	SWF
19360 1997 JS_{12}	>1.00	>0.10		SWF
19361 1997 KH_4	47.7617	0.32	2	DWF
19369 1997 *YO*	14.353	0.21	2	DWF
19370 Yukyung	15.185	0.15	2	DWF
19372 1997 YP_{13}	4.767	0.61	2	SWF
19373 1997 YC_{14}	6.519	0.54	2	SWF
19379 Labrecque	8.30	0.06	2−	
19380 1998 BB_{11}	59.1161	0.48	2	DWF
19388*1998 DQ_3	S 8.92431		2 p N	LCI-W
19389 1998 DD_{14}	7.417	0.51	2 p	SWF
19391 1998 DR_{15}	2.365	0.21	2	SWF
19392 Oyamada	4.53935	0.09	2	DWF
19402 1998 EG_{14}	2.825	0.12	3−	
19404 1998 FO_5	10.6	0.80	2	
19408 1998 FM_{11}	3.036	0.22	2	SWF
19409 1998 FA_{12}	52.447	0.60	2	SWF
19419 Pinkham	2.496	0.15	2	SWF
19422 1998 FV_{56}	73.0378	0.64	2	DWF
19425 Nicholasrapp	9.14	0.19	3−	SWF
19426 Leal	11.492	0.08	1	SWF
19428 Gracehsu	8.14349	0.34	2	DWF
19434 Bahuffman	4.78	0.17−0.23	2	SWF
19443*Yanzhong	3.022	0.21−0.25	2	SWF
19444 Addicott	35.654		2−	SWF
19447 Jessicapearl	25.9359	0.16	2	DWF
19449 1998 FE_{125}	4.351	0.25	2	SWF
19454 Henrymarr	14.5365	0.09	2	DWF
19455 1998 FJ_{145}	3.83482	0.32	2	DWF
19457*Robcastillo	4.35485	0.64	2 p	DWF
19472 1998 HL_{52}	3.072	0.27−0.35	3−	
19475 Mispagel	3.10246	0.21	2	DWF
19479 1998 HG_{97}	S 39.0847		2 p N	LCI-W
19481 1998 HX_{101}	5.796	0.37	2	SWF
19483 1998 HA_{116}	2.6259	0.10−0.11	3	
19484 Vanessaspini	4.451		2−	SWF
19485 1998 HC_{122}	146.496	0.37	2	SWF
19486 1998 HW_{122}	184.437	0.45	2	DWF
19489 1998 HL_{149}	2.714	0.48	2 p	SWF
19494 Gerbs	6.150	0.44	2	SWF
19495 Terentyeva	2.33	0.12	1	
19501 1998 KC_{50}	S 9.13015		2 p N	LCI-W
19504 Vladalekseev	9.462	0.24	2	SWF
19505 1998 *MC*	2.80168	0.18	2	DWF
19506*1998 MN_4	3.878	0.21−0.29	2	SWF
19516 1998 QF_{80}	5.4383	0.32−0.35	3	
19521 Chaos		<0.10		
19533 Garrison	7.259	0.64	2	SWF
19535 Rowanatkinson			HN	DWF
19537 1999 JL_8	50.1	0.10	2− AT0	
19538*1999 JD_{12}	12.5641	0.27	2	DWF
19540 1999 JF_{23}	3.28	0.34	2	SWF

Planet	Period	Variation	Note	Survey
19544 Avramkottke	59.337		2−	SWF
19545*1999 JY_{33}	6.416	0.36−0.39	2	SWF
19548 1999 JJ_{58}	76.841	0.10	1	SWF
19556 1999 JV_{77}	2.36007	0.11	2	DWF
19557 1999 JC_{79}	6.139	0.62	2	SWF
19559 1999 JY_{80}	S 6.16874		2 p N	LCI-W
19560 1999 JH_{81}	9.19466	0.20	2	DWF
19569 1999 KM_{15}	2.75707	0.15	2	DWF
19574 Davidedwards	37.635	0.29	2	SWF
19579 1999 MB_{1}	380.376	0.33	2	DWF
19581 1999 NC_{3}	70.4347	0.22	2	DWF
19582 Blow	11.553	0.17	2	SWF
19590 1999 NG_{18}	4.85947	0.11	2	DWF
19591 Michaelklein	22.234	0.46	2	DWF
19594 1999 NL_{31}	11.831	0.26−0.61	2	SWF
19598 Luttrell	131.976	0.09	1	SWF
19599 Brycemelton	13.215	0.41	2	SWF
19600 1999 NV_{41}	S 16.3813		2 p N	LCI-W
19601 1999 ND_{42}	8.059	0.21	2	SWF
19603 Monier	5.2037	0.54	2	DWF
19605 1999 NU_{52}	9.182	0.14	2	SWF
19608 1999 NC_{57}	9.194	0.55−0.57	2	SWF
19609*1999 ND_{57}	12.632	0.19−0.37	2	SWF
19615 1999 OB_{3}	48.	0.21	1	
19619 Bethbell	16.4149	0.37	2	DWF
19621 1999 RE_{1}	6.04819	0.19	2	DWF
19626 1999 RJ_{16}	7.820	0.35−0.37	2	SWF
19631 Greensleeves	2.68465	0.10	2	DWF
19633 Rusjan	3.32420	0.20	3	
19634 1999 RG_{45}	4.32	0.19	2	SWF
19636 1999 RD_{48}	8.448		2−	SWF
19638 Johngenereid	129.804	0.28	2	DWF
19640 Ethanroth	600.348	0.62	2	SWF
19644*1999 RD_{102}	5.102	0.62−0.70	2	SWF
19647 1999 RZ_{103}	6.304	0.45	2	SWF
19648*1999 RK_{104}	9.320	0.73−0.76	2	SWF
19649 1999 RQ_{104}	9.126	0.18−0.66	2	SWF
19650 1999 RY_{105}	60.708	0.48	2	DWF
19653 1999 RD_{119}	2.61	0.12	1	SWF
19659 1999 RB_{128}	3.980	0.45	2	SWF
19662*Stunzi	5.93	0.49−0.61	3	SWF
19663*Rykerwatts	3.777	0.34−0.65	2	SWF
19666 1999 RO_{144}	15.4415	0.06	2	DWF
19668 1999 RB_{145}	170.497	0.55	2	DWF
19672*1999 RP_{155}	5.470	0.60−0.8	3	
19677 1999 RN_{168}	10.1443	0.40	2	DWF
19682*1999 RW_{194}	2.5353	0.18−0.21	2	
19686 1999 RL_{197}	49.400	0.21	2	SWF
19689 1999 RX_{205}			HN	DWF
19690 1999 RD_{212}	S 25.4988		2 p N	LCI-W
19691 Iwate	37.637	0.20	2	DWF
19693 1999 RU_{230}	7.45057	0.38	2	DWF
19695 Billnye	4.8676	0.30	3	
19696 1999 SW_{1}	6.73406	0.22	2	DWF
19698 1999 SR_{4}	5.381	0.53−0.59	2 p	SWF
19700*Teitelbaum	16.335	0.19−0.49	2	SWF
19701 Aomori	20.7783	0.12	2	DWF
19706 1999 TU_{11}	19.0262	0.44	2	DWF
19710 1999 TC_{185}	21.161	0.12	2	DWF
19711 Johnaligawesa	54.3	0.21−0.25	1 T0	
19716 1999 UH_{23}	10.477	0.35	2	SWF
19725 1999 WT_{4}	56.70	0.22	2−	
19726 1999 XL	31.602	0.43	2	DWF
19732 1999 XF_{165}	12.57	0.19	2	
19733 1999 XA_{166}	23.300	0.30	2	SWF
19734 1999 XE_{175}	8.4	0.09	2−	
19741 Callahan	7.268	0.81	2	SWF
19743*2000 AF_{164}	3.463	0.14−0.23	2+	
19748 2000 BD_{5}	42.0054	0.16	2	DWF
19750 2000 CM_{62}	6.462	0.30	2	SWF
19753 2000 CL_{94}	46.1501	0.48	2	DWF
19754 Paclements	3.462	0.60	2	SWF
19756 2000 EW_{50}	6.55607	0.54	2	DWF
19757 2000 GK_{1}	5.192	0.45	2 p	SWF
19759 2000 GU_{146}	4.74149	0.66	2	DWF
19763 Klimesh	101.	0.67	2 T?	
19764 2000 NF_{5}	59.3	0.80	3 NT0	
19773 2000 OJ_{50}	648.17	0.59	2	DWF
19774 2000 OS_{51}		0.12	N	
19779 2000 QU_{53}	2.67	0.39	3−	SWF

Planet	Period	Variation	Note	Survey
19781 2000 QK_{68}	5.480	0.22	2	SWF
19785 2000 QU_{103}	5.41326	0.28	2	DWF
19790 2000 RU_{10}	5.34761	0.27	2	DWF
19791 2000 RV_{15}	47.5667	0.30	2	DWF
19793 2000 RX_{42}	3.102	0.28−0.38	2+	
19796 2000 RX_{50}	5.141		2	SWF
19797 2000 RO_{51}	5.05673	0.20	2	DWF
19798 2000 RP_{51}	S 3.958476		2 p N	LCI-W
19803 2000 RX_{90}	2.7	0.17	2	
19807 2000 SE_{16}	3.62699	0.20	2	DWF
19812 2000 SG_{119}	3.182	0.30	2	SWF
19813 Ericsands	4.03233	0.17	2	DWF
19828 2000 SB_{214}	10.5243	0.11	2	DWF
19830 2000 SC_{218}	23.700		2−	SWF
19834 2000 SO_{238}	3.62905	0.33	2	DWF
19844 2000 ST_{317}	14.5469	0.62	2	DWF
19848 Yeungchuchiu	3.450	0.63−0.70	3 p	
19850 2000 TQ_{25}	10.0756	0.19	2	DWF
19852 Jamesalbers	9.163	0.18	2	SWF
19856 2000 UP_{8}	3.347	0.42	2	SWF
19857 Amandajane	23.2951	1.03	2	DWF
19878 1030 *T–1*	7.958	0.50	2	SWF
19898 1177 *T–3*	2.558	0.42	2	SWF
19902 3420 *T–3*	8.32	0.44	3−	SWF
19906 4138 *T–3*	25.958	0.24	2	SWF
19907 4220 *T–3*	4.327	0.35	2	SWF
19908*4324 *T–3*	5.642	0.47−0.51	2	SWF
19909 4326 *T–3*	39.7868	0.16	2	DWF
19910 5078 *T–3*	8.955	0.32	2	SWF
19911 Rigaux	2.3274	0.13−0.15	3−	
19912 Aurapenenta	2.340	0.17	2	SWF
19913 Aigyptios	40.43	0.15	2+	
19917 Dazaifu	5.219	0.56−0.76	2	SWF
19918 1977 *PB*	7.6897	0.12−0.92	3−	
19919 Pogorelov	13.511	0.85	2 p	SWF
19924 1979 MQ_{6}	5.333	0.66	2	SWF
19925 1979 QD_{3}	14.747	0.32	2	SWF
19926 1979 YQ	55.253	0.17−0.25	2	SWF
19928 1981 DB_{3}	3.429	0.18	2	SWF
19929 1981 DL_{3}	44.1335	0.28	2	DWF
19931 1981 EF_{3}	50.0506	0.46	2	DWF
19954 Shigeyoshi	65.129	0.75	2	SWF
19956 1985 QW_{1}	37.1465	0.22	2	DWF
19962 Martynenko	134.565	0.22	2	DWF
19964 1987 BX_{1}	7.173	0.23	2	SWF
19966 1987 SL_{3}	3.079	0.09	2	SWF
19967 1987 SN_{12}	7.04	0.21	2	SWF
19969 Davidfreedman	14.1392	0.44	2	DWF
19971 1988 RZ_{5}	6.182	0.10	1	SWF
19977 1989 TQ	10.4306	1.04−1.10	3	
19979 1989 VJ	7.568	0.29	2+	
19982*Barbaradoore	3.3162	0.21−0.28	3	
19985 1990 GD	S 5.326506		2 p N	LCI-W
19991 1990 SW_{8}	7.96458	0.09	2	DWF
19994 Tresini	9.66	0.87	3	
19996 1990 WZ	3.98757	0.19	2	DWF
19998 Binoche	4.72855	0.15	2	DWF
20000 Varuna	6.3436	0.41−0.5	3	
20002 Tillysmith	10.8152	0.33	2	DWF
20008 1991 NG_{3}	257.648	0.31	2	DWF
20009 1991 OY	2.97	0.24−0.26	2	SWF
20011 1991 PD_{13}	9.350	0.43	2	SWF
20012 Ranke	7.576	0.41	2	SWF
20018 1991 UJ_{2}	7.587		2−	SWF
20028 1992 EZ_{21}	348.936	0.46	2	DWF
20031*1992 OO	10.8379	0.26−0.43	3	
20035 1992 SA_{4}	2.58	0.15	2	SWF
20037 Duke	5.428	0.10−0.17	2	
20038 Arasaki	6.941	0.28−0.50	3	
20048 1993 FF_{19}	7.032	0.24−0.34	2	SWF
20050 1993 FO_{21}	184.311	0.20	2	SWF
20051 1993 FE_{26}	3.71048	0.15	2	DWF
20052 1993 FS_{27}	6.483	0.42	2	SWF
20054 1993 FX_{37}	10.058	0.17−0.20	2	SWF
20057 1993 GC	3.07273	0.25	2	DWF
20058 1993 OM_{8}	>5.22	>0.10		SWF
20066 1993 TM_{4}	87.4164	0.46	2	DWF
20072 1994 AG_{1}	199.742	0.37	2	DWF
20073 Yumiko	3.49	0.26	3	SWF
20077 1994 CX_{9}	2.98	0.12	2+	SWF

Planet	Period	Variation	Note	Survey
20079 1994 *EP*	47.3476	0.14	2	DWF
20080 Maeharatorakichi	13.	0.05	1	
20082 1994 EG_7	223.245	0.44	2	DWF
20087*1994 PC_7	7.275	0.79−0.82	2	SWF
20095 1994 PG_{35}	6.81	0.50	2	SWF
20100 1994 *XM*	188.389	0.83	2	SWF
20103 de Vico	6.89802	0.18	2	DWF
20104 1995 *OU*	7.63167	0.61	2	DWF
20106 Morton	18.043	0.19−0.20	2	SWF
20114 1995 UQ_{44}	3.98658	0.27	2	DWF
20116 1995 VE_1	29.057	0.79−0.84	2	SWF
20124*1995 WJ_{36}	16.657	0.73−0.84	2 p	SWF
20127 1995 YV_{22}	3.47	0.21	2	SWF
20128 1996 *AK*	4.790	0.29−0.52	2	SWF
20129 1996 BE_1	23.8699	0.79	2	DWF
20132 1996 BK_{13}	7.52613	0.58	2	DWF
20133 1996 CO_2	3.354	0.30	2	SWF
20136 Eisenhart	6.508	0.54−0.55	3	
20137 1996 PX_8	11.16	0.89	2−	SWF
20147 1996 SV_7	24.036		2−	SWF
20148 1996 *TR*	12.0116	0.28	2	DWF
20150 1996 TJ_6	6.611	0.76	2	SWF
20154 1996 TO_{10}	7.091		2−	SWF
20162 1996 *UD*	4.68	0.17	1	
20163 1996 *UG*	5.08	0.14	2+	
20179 1996 XX_{31}	7.594	0.60	2 p	SWF
20180 Annakolény	24.2905	0.22	2	DWF
20182 1997 *AS*	9.64425	0.73	2	DWF
20185*1997 AC_7	3.179	0.21−0.29	2	SWF
20186 1997 AD_8	4.161	0.19−0.32	2	SWF
20187 Janapittichová	23.9976	0.22	2	DWF
20190 1997 BZ_2	3.48	0.18	2	SWF
20197 Enriques	48.073	0.08	1	SWF
20202 1997 EC_{25}	10.105	0.44	2	SWF
20203 1997 ED_{25}	41.9738	0.24	2	DWF
20210 1997 GQ_7	10.326	0.21−0.35	3	
20220 1997 GA_{40}	2.99603	0.18	2	DWF
20231 1997 *YK*	178.	0.70	2 T?	
20236 1998 BZ_7	10.182	0.17	2 N	
20238 1998 DT_7	5.85289	0.08	2	DWF
20244 1998 *EF*	3.93185	0.22	2	DWF
20245 1998 EL_5	199.505	0.22	2	DWF
20246 Frappa	9.304	0.49	2	SWF
20248 1998 EE_{10}	5.61681	0.23	2	DWF
20249 1998 EM_{10}	99.1977	0.23	2	DWF
20255 1998 FX_2	6.804	0.16−0.22	3 N	
20261 1998 FM_{12}	4.55	0.17	2	SWF
20267 1998 FU_{27}	86.6636	1.00	2	DWF
20268 Racollier	5.25974	0.42	2	DWF
20275 1998 FR_{41}	>0.77	>0.06		SWF
20279 Harel	5.380	0.40	2	SWF
20289 Nettimi	3.831		2−	SWF
20293 Sirichelson	4.35868	0.11	2	DWF
20295 1998 FF_{75}	71.667		2	SWF
20296 Shayestorm	7.041	0.53	2	SWF
20299 1998 FH_{78}	92.4923	0.26	2	DWF
20300 Arjunsuri	2.62	0.12	3−	SWF
20305 Feliciayen	21.2568	0.09	2	DWF
20308 1998 FP_{109}	6.863	0.73	2	SWF
20310 1998 FD_{117}	5.488	0.07	1	SWF
20312 Danahy	4.569	0.22	2	SWF
20319 1998 GK_1	3.62174	0.05	2	DWF
20320*1998 GH_8	21.2534	0.43	2 p	DWF
20322 1998 HZ_{20}	35.412	0.35	2	SWF
20325 Julianoey	3.24474	0.13	3 BN	
20327 1998 HQ_{39}	4.388	0.29−0.37	2	SWF
20328 1998 HS_{42}	3.412	0.32	2	SWF
20329 Manfro	S 8.80724		2 p N	LCI-W
20332 1998 HO_{49}	7.00642	0.37	2	DWF
20333 Johannhuth	4.168	0.12	2	SWF
20337 Naeve	4.201	0.56	2	SWF
20349 1998 HU_{123}	5.246	0.39	2	SWF
20350 1998 HV_{125}	90.234	0.61	2	SWF
20357 Shireendhir	10.223	0.28	2	DWF
20364 Zdenekmiler	53.537		2−	SWF
20370 1998 KR_{29}	54.0671	0.04	2	DWF
20371 Ekladyous	184.408	0.54	2	SWF
20378 1998 KZ_{46}	5.14	0.32	3−	
20385 1998 KS_{53}	4.03663	0.38	2	DWF
20386 1998 KK_{54}	2.8149	0.19	2	DWF

Planet	Period	Variation	Note	Survey
20392 Mikeshepard	29.2	0.75	2	
20394 Fatou	212.503	0.62	2	SWF
20395 1998 MY_{29}	8.201	0.17	2	SWF
20397 1998 MR_{35}	3.746		2	SWF
20409 1998 QP_{43}	655.222	0.75	2	DWF
20413 1998 QY_{91}	2.221	0.20	2	SWF
20419 1998 SE_{117}	5.500	0.31−0.79	2	SWF
20421*1998 TG_3	11.8905	0.16−0.19	3	
20423 1998 VN_7	5.31756	0.44	2	DWF
20428 1998 WG_{20}	14.813	0.75	2	SWF
20429 1998 YN_1	2.7180	0.16	2 N	
20432*1999 BD_{12}	22.6622	0.36	2 p	DWF
20435 1999 FU_{28}	75.6594	0.58	2	DWF
20441 Elijahmena	3.832		2	SWF
20446*1999 JB_{80}	6.3961	0.24−0.33	3 4	
20447 1999 JR_{85}	4.925	0.24	2+	
20452 1999 KG_4	3.849	0.34	3	
20453 1999 KL_6	3.911	0.12	2+	
20460 Robwhiteley	2.7209	0.07−0.09	2+	
20462*1999 LZ_{31}	3.480	0.32−0.52	2	SWF
20465*Vervack	3.140	0.23−0.26	2	SWF
20466 1999 MW_1	174.23	0.34	2	DWF
20470 1999 NZ_5	3.6637	0.24−0.30	3	
20471 1999 NK_6	12.2122	0.34	2	DWF
20473 1999 NS_8	21.958	0.23	2	SWF
20484 Janetsong	4.358	0.34	2	SWF
20485 1999 NJ_{54}	130.47	0.61	2	DWF
20488 Pic–du–Midi	2.812	0.14	2	SWF
20491 Ericstrege	5.156	0.57	2	SWF
20492*1999 OC_5	6.817	0.20	3− 3	
20498 1999 RT_1	14.4512	0.36	2	DWF
20502 1999 RG_{11}	37.3439	0.29	2	DWF
20503 Adamtazi	21.650	0.69	2	SWF
20504 1999 RH_{15}	>2.25	>0.22		SWF
20507 1999 RU_{19}	10.283	0.24−0.28	2	SWF
20514 1999 RD_{34}	4.291	0.83	2	SWF
20515 1999 RO_{34}	>1.07	>0.13		SWF
20521*1999 RM_{38}	8.656	0.17−0.22	2	SWF
20522 Yogeshwar	9.611	0.30	2	SWF
20523 1999 RZ_{41}	23.4085	0.14	2	DWF
20524*Bustersikes	39.0635	0.60	2 p	DWF
20529 Zwerling	86.3723	0.27	2	DWF
20531 Stevebabcock	S 22.6199		2 p N	LCI-W
20536 Tracicarter	4.82	0.24−0.40	3−	SWF
20537 Sandraderosa	15.626	0.20	2	SWF
20538 1999 RN_{84}	5.784	0.39	2	SWF
20540 Marhalpern	4.184	0.55	2	SWF
20543 1999 RZ_{98}	10.506	0.22	2	SWF
20545*Karenhowell	28.299	0.20−0.32	2	SWF
20546 1999 RA_{105}	>0.48	>0.24		SWF
20553 Donaldhowk	5.255	0.14	2	SWF
20554 1999 RW_{114}	8.35367	0.28	2	DWF
20555 Jennings	2.854	0.16	2	DWF
20560 1999 RX_{118}	462.236	0.26	2	DWF
20561 1999 RE_{120}	4.550	0.44−0.61	3−	
20562*1999 RV_{120}	135.4	0.43−0.48	2+ T0	
20565 1999 RR_{123}	9.03298	0.19	2	DWF
20569 1999 RP_{132}	4.23325	0.39	2	DWF
20570*Molchan	4.132	0.42−0.54	2 p	SWF
20571 Tiamorrison	450.	0.60	2− T0	SWF
20573 Garynadler	4.02	0.24	1	SWF
20574 Ochinero	8.3729	0.55	2	DWF
20578 1999 RH_{149}	>1.13	>0.25		SWF
20579 1999 RX_{149}	3.242	0.19	2	SWF
20580 Marilpeters	3.14	0.38	3	SWF
20586 Elizkolod	3.23	0.24	3	SWF
20593 Freilich	7.15446	0.37	2	DWF
20594 1999 RP_{183}	17.1086	0.26	2	DWF
20596*1999 RX_{188}	18.386	0.38−0.60	2	SWF
20599 1999 RD_{196}	2.866	0.20	2	SWF
20601 1999 RD_{197}	3.343	0.18−0.19	2	SWF
20602 1999 RC_{198}	7.30554	0.37	2	DWF
20604 Vrishikpatil	5.947	0.51	2	SWF
20606 Widemann	26.006	0.45	2	SWF
20610 1999 RK_{235}	7.389	0.71	2	SWF
20614*1999 SN_3	48.6	0.13−0.35	2	
20623*Davidyoung	19.936	0.27−0.45	2	SWF
20628 1999 TS_{40}	68.1	1.04	2 T?	
20631 Stefuller	12.214		2−	SWF
20635 1999 TV_{96}	5.488	0.37	2	SWF

Planet	Period	Variation	Note	Survey
20636 1999 TC_{97}	29.701	0.44	2	SWF
20639*Michellouie	3.506	0.16−0.27	2	SWF
20640 1999 TF_{118}	6.17	0.28	2	SWF
20647 1999 TQ_{155}	36.0044	0.53	2	DWF
20660 1999 UF	13.056	0.40	2	SWF
20665 1999 UQ_{8}	9.337	0.56	2	SWF
20667 1999 UM_{11}	10.71	0.30	2	SWF
20668 1999 UN_{11}	5.10551	0.06	2	DWF
20670 1999 UA_{46}	30.7292	0.23	2	DWF
20672 1999 UU_{50}	5.71562	0.22	2	DWF
20674 1999 VT_{1}	6.311	0.78	3	
20676 1999 VA_{7}	5.605	0.34	2	SWF
20677 1999 VT_{7}	17.6089	0.40	2	DWF
20681 1999 VH_{10}	8.974	0.27	2	SWF
20686 Thottumkara	15.182	0.53	2	SWF
20688 1999 VR_{62}	4.657	0.36−0.37	2	SWF
20690 Crivello	4.68	0.22	2	SWF
20691 1999 VY_{72}	2.6990	0.11−0.18	3	
20694 1999 VT_{82}	3.322	0.36	2	SWF
20696 Torresduarte	5.83	0.69	2	SWF
20699 1999 VJ_{144}	2.80	0.02	1	
20700 1999 VG_{145}	S 3.706628		2 p N	LCI-W
20703 1999 VC_{203}	6.020	0.46	2	SWF
20705 1999 WH_{3}	S 16.1953		2 p N	LCI-W
20708 1999 XH_{1}	21.3544	0.23	2	DWF
20709 1999 XM_{8}	6.743	0.36	2	SWF
20711 1999 XF_{12}	22.872	0.42	2	SWF
20713 1999 XA_{32}	3.5	0.23−0.25	2	
20714 1999 XS_{36}	4.22	0.19	2	SWF
20721 1999 XA_{105}	S 5.3478		2 p N	LCI-W
20723*1999 XH_{113}	4.75643	0.45	2 p	DWF
20724 1999 XO_{116}	9.874	0.55	2	SWF
20725 1999 XP_{120}	S 3.601296		2 p N	LCI-W
20729 1999 XS_{143}	5.72	0.13−0.33	2	
20730 Jorgecarvano	4.537	0.30	2	SWF
20732 1999 XB_{167}	14.6977	0.36	2	DWF
20733*1999 XE_{168}	3.871	0.35−0.42	2	SWF
20734 1999 XA_{169}	7.45988	0.53	2	DWF
20735 1999 XU_{169}	7.855	0.45	2	SWF
20740 Sémery	7.970	0.87	2 p	SWF
20741 Jeanmichelreess	49.7215	0.37	2	DWF
20744*2000 AO_{151}	138.823	0.29−0.93	2	DWF
20747 2000 AM_{186}	5.422	0.13	2	SWF
20749*2000 AD_{199}	10.2287	0.20	2−	DWF
20753 2000 AW_{211}	S 6.13027		2 p N	LCI-W
20755 2000 BX_{6}	S 13.10973		2 p N	LCI-W
20762 2000 EE_{36}	8.891	0.46	3−	
20771 2000 QY_{150}	S 8.29981		2 p N	LCI-W
20774 2000 RP_{3}	3.789	0.17	2	SWF
20788*2000 SB_{29}	13.343	0.15−0.45	2	SWF
20789 Hughgrant	94.7953	0.44	2	DWF
20790 2000 SE_{45}	2.792	0.04	2 N	
20794 Ryanolson	2.645	0.04	1	SWF
20796 Philipmunoz	272.799	0.46	2	SWF
20798 Verlinden	8.986		2	SWF
20805 2000 SC_{220}	18.634	0.07	1	SWF
20807 2000 SY_{220}	>0.73	>0.42		SWF
20809 Eshinjolly	4.304	0.44	2	SWF
20812*Shannonbabb	4.40	0.26−0.31	3−	SWF
20813 Aakashshah	9.821	0.21	2	SWF
20814 Laurajones	3.58608	0.42	2	DWF
20815 2000 SZ_{318}	11.020	0.17−0.18	2	SWF
20817 Liuxiaofeng	80.4198	0.14	2	DWF
20826 2000 UV_{13}	5.313	0.31	3−	
20829 2000 UR_{27}	16.0669	0.18	2	DWF
20832 Santhikodali	134.966	0.27	2	DWF
20838*2000 UY_{53}	9.486	0.45−0.47	2	SWF
20841 2000 UM_{69}	10.4098	0.22	2	DWF
20842 2000 UG_{75}	3.664	0.43	2 p	SWF
20845 2000 UY_{102}	13.9886	0.21	2	DWF
20847 2000 UW_{104}	7.87456	0.69	2	DWF
20855 Arifawan	7.80	0.53	2	SWF
20861 Lesliebeh	3.45	0.17	2	SWF
20862 Jenngoedhart	479.321	1.08	2	SWF
20873*Evanfrank	4.106	0.36−0.39	2	SWF
20875 2000 VU_{49}	136.697	0.65	2	SWF
20882 Paulsánchez	2.5586	0.13−0.17	3 B	
20885 2000 WD_{2}	3.038	0.16−0.21	3	
20887 Ngwaikin	5.723	0.18	2	SWF
20889 2000 WB_{15}	5.864	0.35	2	SWF
20890 2000 WN_{19}	24.9945	0.11	2	DWF
20891 2000 WN_{28}	20.417	0.28	2	SWF
20893 Rosymccloskey	4.62143	0.17	2	DWF
20897 Deborahdomingue	2.88034	0.17	2	DWF
20898 Fountainhills	12.84	0.20	3	
20899*2000 XB_{3}	208.788	0.37	2	DWF
20900 2000 XW_{4}	203.774	0.21	2	SWF
20902 Kylebeighle	5.430	0.39	2	SWF
20906 2727 *P–L*	11.57	0.68	2	
20911 4083 *P–L*	5.42152	0.17	2	DWF
20912 4129 *P–L*	4.959	0.04	2	
20913 4214 *P–L*	6.17	0.16	2	SWF
20931 2208 *T–1*	4.66214	0.13	2	DWF
20932 2258 *T–1*	4.3245	0.09−0.17	3 B?	
20936 Nemrut Dagi	3.2754	0.05−0.26	3	
20942 2092 *T–2*	2.345	0.12−0.18	2	SWF
20943 2115 *T–2*	2.591	0.22	2	SWF
20953 1068 *T–3*	16.462	0.09	1	SWF
20962 Michizane	20.6388	0.16	2	DWF
20963 Pisarenko	3.13968	0.20	2	DWF
20964 Mons Naklethi	16.1054	0.07	2	DWF
20967 1978 VF_{6}	29.4123	0.30	2	DWF
20973 1981 EL_{2}	463.696	0.18	2	DWF
20979 1981 EO_{13}	10.892	0.41	2	SWF
20982 1981 EL_{17}	13.4687	0.32	2	DWF
20986 1981 EL_{37}	S 16.7482		2 p N	LCI-W
20989 1981 EZ_{45}	6.4073	0.64	2	DWF
20995 1985 VY	10.474	0.49	2	SWF
20996 1986 PB	43.6	0.38−0.4	2+ T0	
20999 1987 BF	69.226		2	SWF
21001 Trogrlic	6.18659	0.08	2	DWF
21002 1987 QU_{7}	121.586	0.41	2	SWF
21003 1987 YV_{1}	9.278	0.51	2	SWF
21004 1988 BM_{4}	3.18	0.14	2	SWF
21008 1988 PE	2.807	0.14	2	SWF
21017 1988 VP	13.5745	0.19	2	DWF
21018 1988 VV_{1}	5.172	0.30−0.37	2	SWF
21019 1988 VC_{2}	4.031	0.68	2	SWF
21022 Ike	7.550	0.40	3	
21023 1989 DK	7.598	0.17−0.29	3	
21024 1989 GD_{3}	S 5.76534		2 p N	LCI-W
21027 1989 SR_{5}	3.527	0.27	2	SWF
21028 1989 TO	3.6644	0.12−0.50	3 p	
21030 1989 TZ_{11}	4.089	0.28	3	
21033 Akahirakiyozo	17.291	0.07	1	SWF
21037 1990 EB	17.9234	0.12	2	DWF
21041 1990 QO_{1}	5.077	0.75	2	SWF
21045 1990 SQ_{1}	S 10.06609		2 p N	LCI-W
21047 Hodierna		1.1	I	
21056 1991 CA_{1}	5.60	0.10−0.26	3−	
21067*1991 PY_{1}	11.2353	0.16	1	DWF
21072 1991 PU_{8}	64.5422	0.73	2	DWF
21086 1992 AO_{1}	19.025	0.33	2	SWF
21087 Petsimpallas	66.6113	0.64	2	DWF
21088 Chelyabinsk	22.49	>0.13	3	
21090 1992 DZ_{6}	24.1511	0.26	2	DWF
21091 1992 DK_{8}	17.6695	0.17	2	DWF
21093 1992 EK_{6}	S 10.60480		2 p N	LCI-W
21100 1992 OB	82.9896	0.28	2	DWF
21101 1992 OJ_{1}	7.889	0.60−0.84	3−	
21103 1992 OB_{3}			HN	DWF
21104*Sveshnikov	2.8406	0.17−0.26	3	
21107 1992 PZ_{4}	3.289	0.13	2−	
21111 1992 RP_{3}	3.285	0.14	2	SWF
21114 Bernson	3.804	0.39	2	SWF
21116 1992 SO	69.3549	0.36	2	DWF
21117 Tashimaseizo	3.803		2−	SWF
21119 1992 UJ	12.886	0.70−0.77	2 p	SWF
21122 1992 YK	2.95	0.23	2	SWF
21126 Katsuyoshi	5.8397	0.24	3	
21133 1993 FE_{11}	486.532	0.89	2	DWF
21136 1993 FH_{19}	27.2741	0.31	2	DWF
21146 1993 FD_{67}	2.53	0.32	2	SWF
21148 Billramsey	27.1404	0.06	2	DWF
21149 Kenmitchell	7.22	0.14	2	
21153 1993 MF_{1}	6.00922	0.48	2	DWF
21156 1993 QP_{7}	17.0113	0.17	2	DWF
21166 Nobuyukishouji	11.764	0.49	2	SWF
21168 1994 AC_{8}	6.00	0.18−0.24	2	SWF
21171 1994 CG_{1}	2.668	0.47	2	SWF

Planet	Period	Variation	Note	Survey
21178 1994 CJ_{17}	12.3241	0.12	2	DWF
21181 1994 EB_2	33.8	0.35	2	
21199 1994 PV_8	20.115		2−	SWF
21200 1994 PU_{10}	14.3419	0.29	2	DWF
21206 1994 PT_{28}	203.833	0.85	2	SWF
21207 1994 PH_{29}	>120.	>0.5	2 HN	DWF
21210 1994 PA_{31}	52.4289	0.50	2	DWF
21212 1994 PG_{39}	4.36	0.37	2	SWF
21213 1994 RL_7			HN	DWF
21217 1994 VM_1	11.791	0.30	2	SWF
21220 1994 WE_4	4.321	0.67	2	SWF
21221 1994 YM_1	36.2974	0.51	2	DWF
21222 1995 BT	4.020	0.13	2	SWF
21229 Sušil	6.11	0.58	2	SWF
21230 1995 SK_3	5.53876	0.72	2	DWF
21245 1995 XQ_4	20.6178	0.38	2	DWF
21248 1995 YP_1	S 9.79732		2 p N	LCI-W
21261 1996 FF	3.260	0.31	3	
21272 1996 SA_1	2.801	0.17	2	SWF
21275 Tosiyasu	6.971	0.30−0.33	2	SWF
21277 1996 TO_5	7.70	0.28	3−	
21285 1996 UZ	48.487		2−	SWF
21295 1996 VN_{14}	12.305		2−	SWF
21298 1996 VX_{29}	14.5403	0.22	2	DWF
21302*Shirakamisanchi	3.884	0.30−0.31	2	SWF
21310 1996 XM_5	>12.	0.5	1+	
21313 Xiuyanyu	4.432		2−	SWF
21319 1996 XX_{26}	13.4	0.28	2	DWF
21321*1997 AN_2	13.92	0.11−0.13	2 A	
21322 1997 AV_2	7.689	0.69	2	SWF
21335 1997 BO_3	>6.	>0.35	2	
21338 1997 CZ	16.838	0.15	2	SWF
21340 1997 CS_{19}	47.3929	0.36	2	DWF
21341 1997 CV_{19}	3.502	0.56	2	SWF
21358 Mijerbarany			HN	DWF
21361 Carsonmark	20.22	0.40	1 D	SWF
21368 Shiodayama	9.233	0.31	2	SWF
21369 Gertfinger	100.925	0.09	1	SWF
21373 1997 VF_6	3.58672	0.21	2	DWF
21374 1997 WS_{22}	3.405	0.07−0.17	2	
21376 1998 BP_8	5.71196	0.44	2	DWF
21377 1998 CO_1	23.3502	0.26	2	DWF
21384 1998 EB_{10}	3.22	0.27	2−	SWF
21389 Pshenichka	12.476	0.82	2	SWF
21392 Helibrochier	13.736		2−	SWF
21395 Albertofilho	7.178	0.60	2	SWF
21397 Leontovich	5.836	0.64	2	SWF
21400 Ahdout	4.170	0.35	2	SWF
21402 Shanhuang	3.382	0.22	2	SWF
21406 Jimyang	9.185	0.15	2	SWF
21411 Abifraeman	S 11.02020		2 p N	LCI-W
21412 Sinchanban	2.8704	0.14	2	DWF
21414 Blumenthal	36.0908	0.10	2	DWF
21415 Nicobrenner	3.37	0.39−0.43	3	SWF
21422 Alexacarey	S 4.786498		2 p N	LCI-W
21429 Gulati	53.7272	0.18	2	DWF
21432 Polingloh	393.044	0.73	2	SWF
21436*Chaoyichi	2.8655	0.05−0.10	3 B	
21437 Georgechen	26.5562	0.15	2	DWF
21446 Tedflint	5.82	0.23	2	SWF
21458 Susank	S 7.28757		2 p N	LCI-W
21459 Chrisrussell	>1.00	>0.07		SWF
21475 Jasonclain	S 5.27240		2 p N	LCI-W
21479 Marymartha	5.3183	0.52	2	DWF
21481 Johnwarren	276.973	0.34	2	DWF
21484 Eppard	5.032		2−	SWF
21485 Ash	12.260	0.76	2	SWF
21486 1998 HA_{148}	12.3	1.0	2−	
21489 1998 JU	7.124	0.71	2 p	SWF
21496 Lijianyang	4.542	0.27	2	SWF
21499 Perillat	300.006	0.49	2	DWF
21501 Acevedo	6.569	0.10	1	SWF
21504 Caseyfreeman	44.568	0.25	2	SWF
21505 Bernert	5.576		2	SWF
21506 Betsill	5.27084	0.31	2	DWF
21509 Lucascavin	5.784	0.23−0.30	3	
21521 Hippalgaonkar	3.226	0.24	2	SWF
21525*1998 MP_{23}	9.213	0.41−0.53	2	SWF
21528 Chrisfaust	3.918	0.33	2	SWF
21529 Johnjames	65.2342	0.42	2	DWF

Planet	Period	Variation	Note	Survey
21530 Despiau	3.010	0.28	2	SWF
21540*Itthipanyanan	15.289	0.44−0.56	2	SWF
21550 Laviolette	13.61	0.32	2	
21554*Leechaohsi	6.321	0.32−0.51	2	SWF
21556*Christineli	12.370	0.12−0.21	2	SWF
21557 Daniellitt	4.233	0.52	2 p	SWF
21558*Alisonliu	4.866	0.12−0.16	3	
21560 Analyons	123.746	0.29	2	DWF
21561 Masterman	171.96	0.66	2	DWF
21565 1998 QZ_{102}	8.73	0.18	1+	SWF
21566 1998 QM_{103}	3.084	0.25	2	SWF
21580 Portalatin	3.627	0.28	2	SWF
21583 Caropietsch	276.431	0.55	2	DWF
21586 Pourkaviani	S 27.0489		2 p N	LCI-W
21587 Christopynn	19.5363	0.37	2	DWF
21593 1998 VL_{27}	10.747	0.80−0.99	2+ H	DWF
21594*1998 VP_{31}	5.5865	0.18−0.26	2+	
21597 1998 WA_8	4.21463	0.31	2	DWF
21598 1998 WP_9	S 50.063		2 p N	LCI-W
21599 1998 WA_{15}	12.651	0.39−0.49	2+ H	DWF
21601 1998 XO_{89}	12.65	0.25−0.30	2+	
21605 Reynoso	5.172	0.65	2	SWF
21607 Robel	12.129	0.60	3	
21609 Williamcaleb	112.	>0.5	2 T0	
21612 Chelsagloria	42.946		2−	SWF
21613 Schlecht	4.08011	0.04	2	DWF
21615*Guardamano	2.964	0.14−0.19	2	SWF
21616 Guhagilford	19.3758	0.15	2	DWF
21619 Johnshopkins	5.256	0.23	2	SWF
21624 1999 NA_1	22.3376	0.52	2	DWF
21625 Seira	3.084	0.24	2	SWF
21627*Sillis	46.8	0.56	2−	
21632 Suwanasri	8.629	0.62	2	SWF
21639 Davidkaufman	4.406		2−	SWF
21643 Kornev	3.654	0.08	1	SWF
21646 Joshuaturner	14.0457	0.20	2	DWF
21652*Vasishtha	16.29	0.75−1.05	3	
21653 Davidwang	7.15135	0.37	2	DWF
21655 Niklauswirth	18.8016	0.48	2	DWF
21660*Velenia	15.0738	0.36	2 p	DWF
21663 Banat	9.6	>0.02	1	
21666 1999 RW_1	7.493	0.73	2 p	SWF
21668 1999 RS_6	3.85855	0.26	2	DWF
21671 Warrener	S 4.516737		2 p N	LCI-W
21679 Bettypalermiti	>4.35	>0.08		SWF
21680 Richardschwartz	23.1768	0.14	2	DWF
21688 1999 RK_{37}	5.6960	0.68−0.80	3	
21689*1999 RL_{38}	10.0846	0.61	2 p	DWF
21699 Wolpert	S 87.848		2 p N	LCI-W
21705 Subinmin	3.46	0.52−0.60	2	SWF
21706 Robminehart	53.239		2−	SWF
21707 Johnmoore	2.58	0.11	2	SWF
21714 Geoffreywoo	3.162	0.49	2	SWF
21720 Pilishvili	4.	0.14	1+ N	
21722 Rambhia	48.105		2−	SWF
21723 Yinyinwu	297.889	0.47	2	SWF
21724 Ratai	24.9432	0.17	2	DWF
21738 Schwank	20.2494	0.19	2	DWF
21741 1999 RN_{162}	2.87941	0.13	2	DWF
21745 Shadfan	2.77	0.12	2	SWF
21748 Srinivasan	33.040	0.54	2	SWF
21749 1999 RM_{172}	S 4.865500		2 p N	LCI-W
21755 1999 RE_{190}	1.90	0.16−0.20	2	SWF
21758 Adrianveres	11.154		2−	SWF
21766*1999 RW_{208}	5.841	0.51−0.68	3	
21770 Wangyiran	7.862	0.37	2	SWF
21772 1999 RU_{211}	24.7406	0.14	2	DWF
21773 1999 RH_{216}	64.5199	0.36	2	DWF
21774 O'Brien	27.431		2−	SWF
21775 Tsiganis	26.139	0.34	2	SWF
21781 1999 RE_{239}	26.7448	0.18	2	DWF
21782 Davemcdonald	2.80	0.13	2	SWF
21790 1999 SN_7	14.943	0.88	2	SWF
21792 1999 ST_7	15.248	0.11	2	SWF
21795 Masi	13.862	0.68	2	SWF
21798 Mitchweegman	50.666		2	SWF
21803 1999 TC_7	7.509		2	SWF
21805 1999 TQ_9	309.294	0.40	2	SWF
21816 1999 TE_{31}	>20.		N	
21826 Youjiazhong			HN	DWF

Planet	Period	Variation	Note	Survey
21828 1999 TN_{92}	S 14.92464		2 p N	LCI-W
21831 1999 TX_{93}	>0.88	>0.18		SWF
21837 1999 TL_{97}	3.09649	0.24	2	DWF
21842 1999 TH_{102}	9.458	0.49	2	SWF
21848 1999 TO_{116}	10.035	0.26	2	SWF
21855 1999 TG_{150}	9.675		2	SWF
21867 1999 TQ_{251}	22.9285	0.33	2	DWF
21868 1999 TK_{291}	4.02088	0.39	2	DWF
21873 Jindřichůvhradec	50.587	0.61	2	SWF
21875 1999 UD_{6}	11.5388	0.40	2	DWF
21889 1999 UJ_{47}	4.05	0.47	2	SWF
21891 Andreabocelli	31.325		2−	SWF
21893 1999 VL_{4}	3.0100	0.14−0.40	3−	
21899 1999 VU_{8}	20.2235	0.49	2	DWF
21900 Orus	13.45	0.18	2 p	
21901 1999 VZ_{11}	2.93992	0.24	2	DWF
21904*1999 VV_{12}	S 5.4324	0.41	2 p N	LCI-W
21910 1999 VT_{23}	9.4	0.35	2	
21911 1999 VW_{23}	3.29159	0.17	2	DWF
21912 1999 VL_{24}	15.1111	0.34	2	DWF
21928*Prabakaran	12.616	0.29−0.35	2	SWF
21935 1999 VZ_{77}	55.531		2	SWF
21941 1999 VU_{92}	20.0142	0.21	2	DWF
21942 Subramanian	>0.97	>0.33		SWF
21946 1999 VD_{138}	2.141	0.06	1	SWF
21954*1999 VU_{178}	115.666	0.41−0.48	2	SWF
21955 1999 VW_{178}	5.716	0.44	2	SWF
21959 1999 VM_{186}	73.0389	0.15	2	DWF
21962 Scottsandford	8.44455	0.25	2	DWF
21966 Hamadori	4.01324	0.61	2	DWF
21976*1999 XV_{2}	3.84794	0.11	2	DWF
21982 1999 XL_{8}	2.059	0.09	1	SWF
21987 1999 XH_{18}	>3.37	>0.28		SWF
21993 1999 XH_{26}	5.830	0.68	2	SWF
21996 1999 XP_{31}	6.872	0.36−0.45	2	SWF
22001 1999 XY_{41}	9.64	0.16	1+ DA	SWF
22013*1999 XO_{89}	6.5	0.20−0.21	2	
22018 1999 XK_{105}	S 17.0575		2 p N	LCI-W
22022 1999 XR_{110}	70.648		2	SWF
22027 1999 XS_{120}	86.0378	0.66	2	DWF
22028 1999 XP_{125}	17.4444	0.13	2	DWF
22030 1999 XU_{127}	93.6417	0.49	2	DWF
22032 Mikekoop	5.39465	0.31	2	DWF
22034*1999 XL_{168}	264.431	0.85	3−	DWF
22038 Margarshain	4.721	0.50	2	SWF
22044*1999 XS_{206}	5.265	0.19−0.42	2	SWF
22050 1999 YV_{13}	6.62222	0.04	2	DWF
22056 2000 AU_{31}	358.	0.87−0.98	2+ H	DWF
22057 Brianking	29.3786	0.19	2	DWF
22058 2000 AA_{64}	17.04	0.23	2	
22062 2000 AL_{99}	10.581	0.48	2	SWF
22064*Angelalewis	5.156	0.17−0.26	2	SWF
22070 2000 AN_{106}		1.0	I	
22080*Emilevasseur	3.487	0.12−0.14	2	SWF
22081*2000 AA_{165}	3.372	0.18−0.19	2	SWF
22083*2000 AN_{165}	10.062	0.47−0.68	2	SWF
22087*2000 AZ_{175}	2.318	0.23−0.29	2	SWF
22089 2000 AA_{186}	220.119	0.25	2	DWF
22092 2000 AQ_{199}	18.854	0.35	2 p	SWF
22093 2000 AG_{200}	238.438	0.41	2	DWF
22095*2000 AY_{204}	2.7990	0.27	3−	
22096 2000 AF_{229}	29.947	0.17	2	SWF
22099 2000 EX_{106}	6.334	0.40−0.41	3	
22100 2000 GV_{93}	135.729	0.27	2	SWF
22104 2000 LN_{19}	112.374	0.62	2	DWF
22108 2000 PD	3.21496	0.24	2	DWF
22110 2000 QR_{7}	226.856	0.67	2	DWF
22112 Staceyraw	38.610	0.60	2	SWF
22117 2000 SX_{39}	6.35745	0.53	2	DWF
22120 Gaylefarrar	4.60242	0.19	2	DWF
22121 2000 SM_{107}	537.544	0.05	1	SWF
22123 2000 SG_{172}	217.36	0.45	2	DWF
22124 2000 ST_{183}	4.76	0.92	1 DA	SWF
22125 2000 SH_{186}	72.1381	0.72	2	DWF
22127 2000 SZ_{226}	72.3585	0.12	2	DWF
22131 2000 UK_{4}	22.86	0.42	1+	SWF
22135*2000 UA_{100}	18.9487	0.25	2	DWF
22137 Annettelee	>1.00	>0.24		SWF
22139 Jamescox	13.6972	0.46	2	DWF
22148 Francislee	8.326	0.50	2	SWF

Planet	Period	Variation	Note	Survey
22149 2000 WD_{49}	7.84	0.20	2	
22150 2000 WM_{49}	S 14.62126		2 p N	LCI-W
22159 2000 WW_{116}	3.57478	0.22	2	DWF
22161 Santagata	8.541	0.38	2	SWF
22164 2000 WE_{135}	102.905	0.21	2	DWF
22165 Kathydouglas	78.114	0.43	2	SWF
22166 2000 WX_{154}	800.	0.46	2 T0	
22171 Choi	72.498	0.58	2	SWF
22174 Allisonmae	13.0771	0.32	2	DWF
22176 2000 XG_{36}	4.794	0.48	2 p	SWF
22180*2000 YZ	19.39	0.09−0.50	2+	
22181 2000 YA_{6}	5.673	0.60−0.90	2	SWF
22191 Achúcarro	6.701	0.65−0.73	2	SWF
22192 Vivienreuter	192.48	0.45	2	DWF
22195 Nevadodelruiz	14.56	0.19	2 A	
22206 6735 *P–L*	4.601	0.28	2	SWF
22209 1056 *T–1*	13.249	0.50	2	DWF
22225 4091 *T–2*	4.061	0.38	2	SWF
22229 5415 *T–2*	14.520	0.57	2	SWF
22231 2239 *T–3*	3.417	0.17	2	SWF
22233 3093 *T–3*	62.2476	0.67	2	DWF
22236 3535 *T–3*	3.003	0.33	2	SWF
22238 3854 *T–3*	35.288		2−	SWF
22258 1979 MB_{3}	12.260	0.61	2	SWF
22262 1980 PZ_{2}	34.47	0.17−0.28	3−	
22263 Pignedoli	6.86847	0.05	2	DWF
22270 1981 EQ_{30}	3.38331	0.32	2	DWF
22275*Barentsen	40.424	0.43−0.67	3 p	
22277 Hirado	92.0376	0.24	2	DWF
22278 Protitch	>1.03	>0.08		SWF
22280 Mandragora	28.48	0.09	2	
22282 1985 *RA*	272.847	0.41	2	DWF
22283 Pytheas	5.730	0.21	3−	
22295*1989 SZ_{9}	3.80	0.04−0.06	2	
22298 1990 *EJ*	S 2.985538		2 p N	LCI-W
22305*1990 SD_{2}	2.751	0.22−0.23	2	SWF
22310 1990 WU_{1}	3.8489	0.20	2	DWF
22319 1991 PX_{6}	17.698	0.2 −0.50	2	SWF
22321*1991 *RP*	10.414	0.1 −0.80	2	
22324 1991 RQ_{9}	3.734	0.72	2	SWF
22336 1992 EA_{19}	5.90602	0.54	2	DWF
22338 Janemojo	3.107	0.1 −0.11	2	
22339 1992 OL_{3}	8.350	0.54	2	SWF
22342 1992 RW_{2}	5.60973	0.28	2	DWF
22343 1992 RM_{5}	6.047	0.65	2	SWF
22351 1992 UT_{2}	3.646		2−	SWF
22357 1992 *YJ*	103.	0.54	2 T0	
22377 1993 UW_{6}	>0.92	>0.15		SWF
22385 Fujimoriboshi	2.53	0.18	2	SWF
22391 1994 PE_{26}	6.87703	0.71	2	DWF
22411*1995 *TR*	5.262	0.23−0.68	2	SWF
22412 1995 UQ_{4}	4.487	0.25	3−	
22417 1995 WK_{1}	2.95	0.16	2	SWF
22418 1995 WM_{4}	3.22	0.28	1+	SWF
22419 1995 WP_{5}	2.553	0.18	2	SWF
22424 1995 YS_{21}	6.823	1.01	2	SWF
22425 1996 *AZ*	8.386	0.40	2	SWF
22428 1996 *DT*	>0.92	>0.32		SWF
22437 1996 GR_{20}	4.683	0.39	2	SWF
22439 1996 HL_{20}	>1.33	>0.04		SWF
22442 Blaha	4.38	0.71−0.73	2	SWF
22451 Tymothycoons	2.715	0.15	2	SWF
22452 1996 VD_{8}	6.61501	0.37	2	DWF
22462 1997 AF_{7}	14.3158	0.30	2	DWF
22463 1997 AT_{13}	4.496	0.91	2	SWF
22467 Koharumi	13.418		2	SWF
22475 Stanrunge	>0.85	>0.48		SWF
22478 1997 EM_{48}	21.6	0.25	2	SWF
22481 Zachlynn	10.244	0.52	2	SWF
22486*1997 GZ_{22}	5.157	0.54−0.59	2	SWF
22490 Zigamiyama	8.0535	0.46	2	DWF
22491 1997 GX_{32}	27.012	0.42	2	SWF
22497 Immanuelfuchs	5.952	0.26	2	SWF
22501 1997 PR_{3}	4.21	0.45	2	SWF
22504 1997 TD_{17}	2.7597	0.10	2	DWF
22513 1998 BX_{32}			HN	DWF
22515 1998 DJ_{15}	6.558	0.96	2	SWF
22518 1998 DG_{34}	13.0037	0.17	2	DWF
22522 1998 EF_{6}	14.8015	0.10	2	DWF
22524 1998 FB_{6}	>1.78	>0.18		SWF

Planet	Period	Variation	Note	Survey
22530 Huynh-Le	4.70081	0.52	2	DWF
22543 Ranjan			HN	DWF
22550*Jonsellon	2.80	0.19−0.25	2+	
22558 Mladen	3.452	0.35	2	SWF
22559 1998 HQ_{12}	19.3038	0.39	2	DWF
22565 1998 HF_{30}	29.268		2−	SWF
22568 1998 HR_{34}	4.597		2−	SWF
22577 Alfiuccio	4.370	0.36	2	SWF
22578 1998 HE_{59}	32.360		2−	SWF
22584 Winigleason	23.0348	0.23	2	DWF
22586 Shellyhynes	23.600	0.10	1	SWF
22590 1998 HJ_{102}	2.94	0.13	2	SWF
22600 1998 HH_{123}	3.23	0.15	2	
22601 1998 HD_{124}	11.8785	0.76	3 p	
22603*Davidoconnor	3.11	0.13−0.48	2	SWF
22609 1998 JT_{1}	98.424	0.09	1	SWF
22619 Ajscheetz	6.15	0.40	2	SWF
22622 Strong	5.0701	0.33	2	DWF
22626 Jengordinier	7.64784	0.45	2	DWF
22631 Dillard	4.81574	0.59	2	DWF
22632 DiNovis	4.529	0.68−0.95	2	SWF
22637*1998 MR_{22}	3.136	0.15−0.21	2	SWF
22645 Rotblat	6.094	0.22	2	SWF
22655 1998 QC_{7}	>2.00	>0.30		SWF
22656 Aaronburrows	36.859	0.22	2	SWF
22657 1998 QN_{8}	3.166	0.17−0.18	2	SWF
22661 1998 QP_{17}	19.111	0.53	2	SWF
22662 1998 QL_{18}	16.460	0.45−0.56	2	SWF
22666 Josephchurch	5.218	0.22	2	SWF
22667 1998 QA_{26}	S 6.27055		2 p N	LCI-W
22674 1998 QF_{39}	19.3452	0.16	2	DWF
22678 1998 QB_{42}	21.801	0.96	2	SWF
22685 Dominguez	17.482	0.23	2	SWF
22693 1998 QF_{102}	9.40885	0.17	2	DWF
22694 Tyndall	5.7759	0.36	2	DWF
22696 1998 QT_{105}	7.8	0.26	2	
22697 Mánek	10.1679	0.61	2	DWF
22712 1998 RF_{78}	177.121	0.58	2	SWF
22717 Romeuf	10.94	0.49−0.54	2 N	
22722*Timothycooper	10.934	0.29−0.50	3−	
22733 1998 SN_{132}	S 10.76981		2 p N	LCI-W
22734 Theojones	4.491		2	SWF
22739 Sikhote–Alin	20.750	0.51	2	SWF
22742 1998 TX_{5}	6.62	0.21	2	SWF
22743 1998 TD_{18}	49.8955	0.47	2	DWF
22751 1998 UA_{27}	12.5679	0.15	2	DWF
22752*1998 VS_{34}	5.87528	0.78	2 p	DWF
22753 1998 WT	10.24	0.11	2 A	
22761 1998 YH_{4}	166.916	0.49	2	DWF
22762 1998 YM_{12}	7.740		2	SWF
22764 1999 AX_{3}	76.886	0.80	2	SWF
22766 1999 AE_{7}	3.42085	0.41−0.45	3	
22769 Aurelianora	12.172	0.54	2	SWF
22771 1999 CU_{3}	3.7820	0.12−1.25	3	
22772 1999 CU_{17}	2.883		2−	SWF
22773 1999 CV_{17}	S 17.50658		2 p N	LCI-W
22774 1999 CA_{19}	26.8623	0.48	2	DWF
22776*Matossian	3.407	0.26−0.29	3−	
22778 1999 CN_{63}	185.014	0.43	2	DWF
22782 Kushalnaik	>5.25	>0.21		SWF
22785 1999 JP_{62}	11.507	0.24	2	DWF
22791 Twarog	19.697	0.08	1	SWF
22793 1999 NW_{1}	67.0	0.44	2	
22794 Lindsayleona	>1.0	>0.11		SWF
22796 1999 NH_{18}	133.167	0.62	2	DWF
22797 1999 NO_{18}	2.996		2−	SWF
22802 Sigiriya	4.29	0.39	2	SWF
22805 1999 RR_{2}	5.334	0.30	2	SWF
22809 Kensiequade	6.287		2	SWF
22812 Ricker	129.207	0.58	2	SWF
22823 1999 RN_{38}	4.863	0.07	1	SWF
22824 von Neumann	16.0432	0.23	2	DWF
22838 Darcyhampton	5.43971	0.53	2	DWF
22844 1999 RU_{111}	5.763	0.38−0.46	2	SWF
22846 Fredwhitaker	6.78305	0.47	2	DWF
22852 Kinney	41.117		2−	SWF
22862 Janinedavis	13.374	0.53	2	SWF
22872*Williamweber	4.03	0.38−0.42	3−	
22894 1999 TW	S 9.43945		2 p N	LCI-W
22895 1999 TV_{5}	7.537	0.64	2	SWF
22899 Alconrad	4.03	0.14−0.19	2 B	
22904 1999 TL_{19}		0.51		SWF
22905 Liciniotoso	389.646	0.42	2	SWF
22908 Bayefsky–Anand	16.375	0.57	2	SWF
22917 1999 TA_{77}	25.806	0.38	2	SWF
22932 Orenbrecher			HN	DWF
22940 Chyan	43.057		2−	SWF
22941 1999 TG_{194}	20.039	0.31	2	SWF
22945 Schikowski	6.824	0.91	2	SWF
22949 1999 TH_{238}	6.644	0.39−0.41	2	SWF
22955 1999 TH_{251}	11.7722	0.23	2	DWF
22960 1999 UE_{4}	5.892	0.06	1	SWF
22965 1999 UX_{40}	7.637	0.23	2	SWF
22967 1999 VK_{4}	8.12378	0.33	2	DWF
22972 1999 VR_{12}	S 22.659		2 p N	LCI-W
22973 1999 VW_{16}	97.832	0.72	2	SWF
22975 1999 VR_{23}	8.44722	0.17	2	DWF
22976 1999 VY_{23}	7.30078	0.25	2	DWF
22977 1999 VF_{24}	4.532	0.13	3−	
22978 Nyrölä	15.6318	0.24	2	DWF
22979 1999 VG_{25}	2.71	0.12	1+	
22982 Emmacall	43.532		2−	SWF
22984 1999 VP_{36}	5.590		2−	SWF
22988 Jimmyhom	24.90	0.2	1+	SWF
22997 1999 VT_{70}	40.2421	0.32	2	DWF
22998 Waltimyer	4.944	0.43	2	SWF
23002 Jillhirsch	6.62	0.52	2	SWF
23004 1999 VH_{114}	7.147	0.78	2 p	SWF
23007 1999 VC_{145}	3.703	0.17	2	SWF
23021 1999 WR_{3}	3.50	0.16	2	SWF
23025 1999 WR_{9}	19.335	0.59	2	SWF
23026 1999 WV_{9}	>8.	>0.05		
23030 Jimkennedy	5.65358	0.29	2	DWF
23031*1999 XX_{7}	3.075	0.28−0.52	3	
23034 1999 XJ_{15}	4.856		2	SWF
23037 1999 XM_{18}	514.509	0.57	2	DWF
23040 Latham	>5.48	>0.28		SWF
23049 1999 XT_{30}	4.32	0.49−0.52	2	SWF
23056 1999 XL_{44}	6.647	0.42	2	SWF
23058 1999 XP_{45}	13.701	0.54	2	SWF
23061 Blueglass	174.570	0.51	2	SWF
23062 Donnamooney	>5.20	>0.09		SWF
23065 1999 XF_{54}	>4.35	>0.10		SWF
23073 1999 XT_{75}	2.744	0.09	1	SWF
23080 1999 XH_{100}	3.06273	0.17	2	DWF
23084 1999 XU_{113}	13.8507	0.30	2	DWF
23092 1999 XT_{136}	3.078	0.47	3−	
23097 1999 XF_{157}	13.22	0.44	2	SWF
23101 1999 XP_{164}	3.93201	0.19	2	DWF
23106 1999 XM_{191}	107.855	0.45	2	DWF
23112 2000 AG_{3}	D long	>0.1		
23123 2000 AU_{57}	467.257	0.57	2	SWF
23127 2000 AV_{97}	51.041	0.19	2	DWF
23134*2000 AU_{142}	4.189	0.39−0.56	2	SWF
23135 2000 AN_{146}	8.69	0.27	3−	
23136 2000 AD_{148}	5.15052	0.30	2	DWF
23142 2000 AM_{165}	S 21.6660		2 p N	LCI-W
23143 2000 AZ_{177}	12.45	0.14	2	
23146 2000 AM_{200}	4.130	0.47	2	SWF
23161 2000 FS_{3}	72.9346	0.47	2	DWF
23162 Alexcrook	3.89	0.13	3	SWF
23163 2000 FG_{49}	5.82	0.57	2	SWF
23164 Badger	9.351	0.50	2	SWF
23166 Bilal	S 19.9893		2 p N	LCI-W
23167 2000 GL_{124}	38.438	0.32−0.36	2	SWF
23168 Lauriefletch			HN	DWF
23174 2000 HM_{40}	17.225	0.24	3−	
23177 2000 JD_{58}	4.3819	0.59	3 p	
23179 Niedermeyer	5.38254	0.16	2	DWF
23180 Ryosuke	7.02697	0.08	2	DWF
23181 2000 LP_{20}	237.501	0.24	2	DWF
23183 2000 OY_{21}	6.9809	0.73−0.76	3	
23184 2000 OD_{36}	29.09	1.20	2 p	SWF
23185 2000 PQ_{7}	>0.97	>0.10		SWF
23186*2000 PO_{8}	5.003	0.26−0.31	3	
23187 2000 PN_{9}	2.5325	0.10−0.15	3	
23190 Klages–Mundt	7.274	0.20−0.25	2	SWF
23191 Sujaytyle	3.112	0.24	2	SWF
23192 Caysvesterby	3.48338	0.43	2	DWF
23193 2000 QK_{181}	8.983	1.04	3	

Planet	Period	Variation	Note	Survey
23194 2000 RF_1	4.842	0.12	2	SWF
23195 2000 RA_{58}	164.36	0.71	2	DWF
23196 2000 RY_{59}	2.98987	0.53	2	DWF
23200 2000 SH_3	16.22	0.42−0.46	3	
23203 2000 SU_{161}	4.69548	0.17	2	DWF
23204 Arditkroni	3.63	0.47	2	SWF
23206 2000 SL_{225}	44.1128	0.15	2	DWF
23210 2000 SA_{293}	9.86862	0.39	2	DWF
23214 Patrickchen	7.400	0.26	2	SWF
23217 Nayana	33.5723	0.50	2	DWF
23219 2000 VW_{23}	10.813	0.53−0.94	2	SWF
23228*Nandinisarma	67.582	0.45−0.76	2	SWF
23233*2000 WM_{72}	3.732	0.25−0.35	3	
23236 2000 WX_{100}	3.854	0.13	2	SWF
23245 Fujimura	4.156	0.54	2	SWF
23247 2000 WG_{174}	4.130	0.26	2	SWF
23251 2000 XL_6	8.26102	0.08	2	DWF
23254 Chikatoshi	S 7.03219		2 p N	LCI-W
23255 2000 YD_{17}	13.56	0.33	2+	
23260 2000 YA_{34}	8.8	0.04	1	
23262 Thiagoolson	51.738	0.83	2	DWF
23264 2000 YC_{50}	59.9146	0.27	2 A	DWF
23266 2000 YP_{50}	11.114		2	SWF
23268 2000 YD_{55}	3.368	0.12	2	SWF
23271 Kellychacon	6.401		2	SWF
23276 2000 YT_{101}	3.661	0.22	2	
23278 2000 YD_{105}	8.502	0.59	2	SWF
23293 2000 YS_{131}	50.88	0.18	1	
23297*2001 AX_3	330.	0.80	2 T	
23301*2001 AO_{16}	14.580	0.13−0.18	2	SWF
23306 Adamfields	116.667	0.57	2	DWF
23313 Supokaivanich			HN	DWF
23314 2001 AU_{44}	6.2104	0.87	2 N	DWF
23315 Navinbrian	6.381	0.58	2	SWF
23326 2001 BL_{30}	>0.97	>0.14		SWF
23327 Luchernandez	4.933	0.50	2+	
23331 Halimzeidan	>5.30	>0.20		SWF
23336 2579 $P–L$	2.56	0.10	2+	
23339 3025 $P–L$	4.85	0.18	2	SWF
23340 3092 $P–L$	483.279	0.24	2	DWF
23346 4695 $P–L$	6.668		2−	SWF
23359 2301 $T–1$	5.046		2−	SWF
23371 1364 $T–2$	189.651	0.22	2	DWF
23374 2207 $T–2$	5.42	0.68	2	SWF
23384 5163 $T–2$	11.523	0.64	2	SWF
23387 1039 $T–3$	3.98618	0.27	2	DWF
23392 2416 $T–3$	44.046		2−	SWF
23405 Nisyros	11.038	0.76	2	SWF
23406 Kozlov	51.542		2	SWF
23415*1979 MQ_3	10.796	0.48−0.64	2	SWF
23416 1979 MU_4	7.021	0.70	2	SWF
23422 1981 DF_1	4.931	0.42	2	SWF
23424 1981 EU_9	2.68	0.27	2	SWF
23429 1981 EO_{35}	6.15	0.12	1	
23433 1981 UU_{22}	57.1842	0.33	2	DWF
23436 Alekfursenko	3.628	0.42	2 p	SWF
23438 1984 SZ_5	8.342	0.44−0.47	2	SWF
23440 1986 QH_1	S 14.33721		2 p N	LCI-W
23443 Kikwaya	S 5.151741		2 p N	LCI-W
23446 1987 SJ_2	2.849	0.30−0.57	2	SWF
23454 1988 XU_2	4.75332	0.20	2	DWF
23455 Fumi	5.63002	0.36	2	DWF
23459 1989 ST_4	S 4.207035		2 p N	LCI-W
23469 Neilpeart	56.2758	0.36	2	DWF
23476 1990 VE_4	2.815	0.08	2	SWF
23478 1991 BZ	133.406	0.36	2	SWF
23480 1991 EL	4.07	0.35	N	
23481 1991 GT_4	5.958	0.65	3	
23482 1991 LV	3.357	0.17−0.34	2	
23492 1991 RA_{20}	27.375		2	SWF
23494 1991 SE_2	4.343	0.27	2	SWF
23496 1991 VN_3	2.470	0.18	2	
23500 1992 AT_2	3.189	0.42	2	SWF
23501 1992 CK_1	132.695	0.65−0.82	2	SWF
23507 1992 EQ_{13}	3.11	0.18	2	SWF
23521 1992 US_1	14.464	0.66	2	SWF
23533 1993 PU_5	4.230	0.24	2	SWF
23534 1993 QP_3	12.97	0.18	2−	SWF
23543 1993 UK	6.034	0.22	2	SWF
23545 1994 AC	5.849		2	SWF
23547 Tognelli	5.798	0.66	2 p	SWF
23552*1994 NB	3.629	0.36−0.45	2	SWF
23553 1994 PL_4	12.4437	0.41	2	DWF
23554 1994 PJ_{11}	3.964		2	SWF
23558 1994 PW_{26}	S 8.25997		2 p N	LCI-W
23574 1995 BX	4.555	0.47	2	SWF
23578 Baedeker	S 8.17154		2 p N	LCI-W
23579 1995 EN_5	>5.33	>0.17		SWF
23581 1995 OE_5	3.10	0.18	2	SWF
23587 Abukumado	3.054	0.13	3	
23588 1995 UX_3	7.197	0.15	2	SWF
23591 1995 UP_{44}	4.31736	0.43	2	DWF
23594 1995 VJ_2	3.61462	0.30	2	DWF
23595 1995 VR_{11}	75.3861	0.31	2	DWF
23597 1995 WY_4	4.994	0.52	2	SWF
23598*1995 WL_{13}	10.577	0.54−0.69	2 p	SWF
23602 1995 YK_{20}	220.495	0.52	2	DWF
23615 1996 FK_{12}	367.	0.23	2 B?	
23621 1996 PA	2.6649	0.07−0.10	3 B	
23625 Gelfond	>0.82	>0.25		SWF
23630 1996 YA_3	7.06	0.22	2	SWF
23631 1997 AG	6.34902	0.60	2	DWF
23640 1997 AY_7	62.5094	0.36	2	DWF
23654 1997 CC_{26}	6.14	0.49	1 D	SWF
23657 1997 CB_{28}	4.073	0.56	2	SWF
23666 1997 FT_1	>1.50	>0.12		SWF
23668 Eunbekim	10.726	0.57	2	SWF
23676 1997 GR_{25}	5.010	0.62	2	SWF
23678 1997 GW_{32}	8.01	1.13	2	SWF
23681 Prabhu	36.5	0.45	2	
23683 1997 HO_1	23.08	0.99	2	SWF
23690 1997 JD_{14}	2.861	0.30	2	SWF
23692 1997 KA	10.430	0.30	2+	
23701 Liqibin	4.584	0.10	1	SWF
23702 1997 QE_1	38.5208	0.40	2	DWF
23705 1997 SQ_{14}	82.636	1.15	2	SWF
23706 1997 SY_{32}	7.04	0.11	2 A	
23707 Chambliss	S 5.06632		2 p N	LCI-W
23708 1997 TR_{18}	3.978	0.37	2	SWF
23709 1997 TA_{28}	13.08	0.49	2+	
23712 Willpatrick	3.902	0.40	3	
23715 1998 FK_2	7.434	0.27−0.36	3	
23716 1998 FA_{107}	4.51531	0.24	2	DWF
23718 Horgos	3.57	0.21	2	SWF
23721 1998 HQ_{27}	5.3036	0.16−0.17	3	
23723 1998 HG_{40}	3.50	0.18	2	SWF
23727 Akihasan	2.88553	0.17	2	DWF
23728 Jasonmorrow	18.7547	0.47	2	DWF
23732 Choiseungjae	8.631	0.68	2	SWF
23738 1998 JZ_1	6.2883	0.30−0.35	2+	
23740*1998 KP_3	70.1035	0.21	1	DWF
23746 1998 KQ_{19}	3.19487	0.22	2	DWF
23750*Stepciechan	10.278	0.23−0.76	2	SWF
23751 Davidprice	21.660	0.08	1	SWF
23757*Jonmunoz	48.122		2−	SWF
23758 Guyuzhou	3.12	0.15	2	SWF
23766 1998 MZ_{23}	2.721	0.18	3	
23769 Russellbabb	3.02646	0.16	2	DWF
23773 Sarugaku	11.263	0.11	2	DWF
23777 Goursat	4.67272	0.46	2	DWF
23779 Cambier	>4.35	>0.13		SWF
23780 1998 QT_{10}	S 9.55043		2 p N	LCI-W
23785 1998 QJ_{16}	6.77021	0.25	2	DWF
23790 1998 QK_{19}	4.873		2	SWF
23791 Kaysonconlin	14.9834	0.80	2	DWF
23795*1998 QW_{32}	9.473	0.37−0.59	2	SWF
23796 1998 QK_{34}	4.080	0.14	2	SWF
23802 1998 QA_{39}	4.61987	0.27	2	DWF
23804 Haber	532.240	0.63	2	SWF
23806 1998 QD_{40}	4.030	0.50−0.58	2	SWF
23808 Joshuahammer	4.386	0.55−0.56	2	SWF
23809 Haswell	3.59	0.16	2−	
23814 Bethanylynne	10.160	0.31	2	SWF
23818 Matthewlepow	6.534	0.39	2	SWF
23828*1998 QK_{76}	5.76	0.30−0.35	2	SWF
23848 1998 RJ_1	5.660	0.44	2	SWF
23852 Laurierumker	2.461	0.10	1	SWF
23860 1998 RU_{56}	6.725	0.61	2	SWF
23870 1998 RW_{75}	5.570	0.25	2	SWF
23872 1998 RH_{76}	3.060		2−	SWF

Planet	Period	Variation	Note	Survey
23873 1998 RL_{76}	13.856	1.23	2 p	SWF
23874 1998 RB_{77}	8.14	0.05	2	SWF
23875 Strube	4.245	0.29−0.35	2	SWF
23876 1998 RZ_{79}	5.318	0.19	2	SWF
23884 Karenharvey	10.1847	0.04	2	DWF
23892 1998 SH_{49}	3.720	0.10	1	SWF
23900 Urakawa	7.93	0.43	2	SWF
23902 1998 SN_{64}	3.636	0.73	2 p	SWF
23912 1998 SU_{128}	3.739		2−	SWF
23924 Premt	5.194	0.26−0.36	2	SWF
23927 1998 SS_{144}	90.5462	0.29	2	DWF
23929 1998 SU_{163}	4.36622	0.19	2	DWF
23932 1998 TN_{2}	44.162		2−	SWF
23933 1998 TD_{3}	29.0457	0.14	2	DWF
23939 1998 TV_{33}	12.868	0.49−0.55	2+ H	DWF
23947 1998 UH_{16}	5.72	0.07−0.16	1+ H	
23948*1998 UQ_{18}	5.675	0.35−0.47	2 p	SWF
23954 1998 UT_{35}	33.1057	0.13	2	DWF
23956 1998 VD_{9}	187.027	0.71	2	DWF
23958 1998 VD_{30}	562.	0.36−0.45	2 H	
23959 1998 VZ_{36}	5.665	0.36	2	SWF
23961 1998 VL_{39}	18.736	0.31	2	SWF
23965 1998 WP_{16}	77.8218	0.37	2	DWF
23967*1998 XQ_{12}	5.46334	0.94	2 p	DWF
23968 1998 XA_{13}	11.140	0.33	2	SWF
23971 1998 YU_{9}	6.8949	0.79	3	
23974 1999 CK_{12}	5.485	0.67−0.80	3	
23977 1999 GW_{6}	7.31792	0.10	2	DWF
23978 1999 JF_{21}	34.1498	0.09	2	DWF
23979 1999 JL_{82}	2.49	0.17	2−	
23980 Ogden	5.3527	0.41	2	DWF
23981 Patjohnson	155.424	0.31	2	DWF
23982 1999 LM_{12}	5.75064	0.27	2	DWF
23992 Markhobbs	43.070		2−	SWF
23993 1999 RS_{13}	4.097	0.41	2	SWF
23997 1999 RW_{27}	17.82	0.18−0.23	3−	
23998*1999 RP_{29}	13.526	0.88−1.0	3−	
23999 Rinner	48.57	0.80	2+ B	
24001 1999 RK_{34}	2.92685	0.17	2	DWF
24004*1999 RQ_{57}	5.68	0.52−0.55	2+	
24005 Eddieozawa	3.278	0.10	1	SWF
24007 1999 RE_{91}	12.63	0.41	2−	SWF
24008 1999 RF_{94}	3.567	0.16	2	SWF
24014 1999 RB_{118}	61.6623	0.51	2	DWF
24018 1999 RU_{134}	6.151	0.32	2	SWF
24019 Jeremygasper	17.1004	0.30	2	DWF
24021 Yocum	109.409	0.23	2	DWF
24022 1999 RA_{144}	>3.27	>0.29		SWF
24024 Lynnejohnson	11.7511	0.08	2	DWF
24025 Kimwallin			HN	DWF
24026 Pusateri	4.368	0.51	2	SWF
24029*1999 RT_{198}	5.4911	0.65−0.82	3	
24030*1999 RT_{206}	3.205	0.32−0.46	2	SWF
24036*1999 SP_{4}	4.411	0.44−0.45	2	SWF
24038 1999 SL_{8}	2.880	0.09	1	SWF
24039 1999 SS_{8}	8.586	0.66−0.73	3	
24049 1999 TZ_{18}	>4.35	>0.10		SWF
24053 Shinichiro	6.211	0.44	2	SWF
24054 1999 TZ_{37}	12.116	0.61−0.63	2	SWF
24061 1999 TS_{100}	6.886	0.68	2	SWF
24066 Eriksorensen	8.7	0.43	2−	SWF
24074 Thomasjohnson	5.299		2	SWF
24077 1999 TD_{233}	30.86	1.61	2 T	
24087 Ciambetti	14.5352	0.04	2	DWF
24092 1999 UU_{13}	2.879	0.08	1	SWF
24094*1999 UN_{60}	2.5768	0.10−0.26	3	
24097 1999 VB_{6}	51.652	0.64	2	SWF
24099 1999 VF_{8}	2.540	0.49	2	SWF
24100 1999 VH_{8}	110.808	0.45	2	DWF
24101 Cassini	3.986	0.12	3	
24105*Broughton	15.944	0.27−0.34	2	SWF
24107 1999 VS_{19}	249.046	0.31	2	SWF
24110 1999 VP_{20}	24.7015	0.44	2	DWF
24114*1999 VV_{23}	8.244	0.11−0.26	3	
24115 1999 VH_{24}	2.635	0.18	2	SWF
24116 1999 VK_{24}	5.25	0.48	2+	SWF
24117 1999 VQ_{26}	3.506	0.38	2	SWF
24120 Jeremyblum	9.14	0.94	3−	SWF
24131 Jonathuggins	5.789	0.63	2	SWF
24138 Benjaminlu	>1.97	>0.31		SWF
24143 1999 VY_{124}	3.436	0.19	2	SWF
24147 Stefanmuller	5.938	0.69	2	SWF
24166 1999 WW_{3}	2.64931	0.07	2	DWF
24168 Hexlein	4.76777	0.18	2	DWF
24175 1999 XD_{5}	6.8979	0.21	2	DWF
24176 1999 XP_{6}	22.716	0.22	2	SWF
24177 1999 XJ_{7}	3.821		2−	SWF
24178 1999 XL_{7}	9.196	0.44	2	SWF
24187 1999 XO_{18}	5.30292	0.31	2	DWF
24188*Matthewage	70.5357	0.83	2 p	DWF
24191 Qiaochuyuan	42.782	0.53	2	SWF
24192 1999 XM_{30}	19.9	0.46	2+ p H	DWF
24197 1999 XP_{37}	3.08295	0.30	2	DWF
24200 Peterbrooks	4.46794	0.26	2	DWF
24201*Davidkeith	12.774	0.14−0.64	2	SWF
24207 1999 XJ_{49}	3.510	0.15	2	SWF
24215 Jongastel	11.036	0.10	1	SWF
24222 1999 XW_{74}	3.7824	0.30	3	
24242 1999 XY_{100}	49.94	>0.6	2 T+	
24251 1999 XL_{117}	5.42391	0.06	2	DWF
24253 1999 XX_{120}	2.583	0.10	2	SWF
24257 1999 XQ_{126}	22.5168	0.19	2	DWF
24260 Kriváň	3.318	0.42	3	
24261 Judilegault	13.552		2	SWF
24264 1999 XL_{143}	5.5354	0.43	2	DWF
24273 1999 XO_{166}	5.38655	0.66	2	DWF
24275 1999 XW_{167}	57.98	0.32	2−	
24276 1999 XO_{169}	21.1071	0.33	2	DWF
24280 Rohenderson	26.5544	0.47	2	DWF
24283 1999 XE_{179}	11.6185	0.21	2	DWF
24290 1999 XS_{190}	5.36	0.49−0.50	2	SWF
24301 Gural	7.656	0.53	2	SWF
24304 Lynnrice	6.139	0.13	2	SWF
24305 Darrellparnell	43.0938	0.18	2	DWF
24313 1999 YR_{27}		0.23		
24314*2000 AQ_{2}	12.9068	0.25	2 p	DWF
24315 2000 AV_{4}	10.55	0.46	2	SWF
24318 Vivianlee	2.910	0.22−0.26	2	SWF
24322 2000 AM_{43}	4.17973	0.24	2	DWF
24324 2000 AT_{51}	S 5.8951		2 p N	LCI-W
24331 Alyshaowen	5.300		2	SWF
24342 2000 AV_{87}	2.1225	0.20	2	DWF
24343 2000 AS_{88}	5.34643	0.44	2	DWF
24344 Brianbarnett	6.646	0.42−0.45	2	SWF
24357 2000 AC_{115}	264.	0.38−0.39	2+ H	
24367 2000 AC_{126}	12.0509	0.22	2	DWF
24384 2000 AR_{171}	6.46614	0.40	2	DWF
24388 2000 AB_{175}	6.972	0.26	2	
24391 2000 AU_{178}	5.436	0.35	2	
24393 2000 AG_{183}		0.40	N	
24394 2000 AD_{186}	2.81	0.25	1+	SWF
24403 2000 AX_{193}	5.347	0.31	3−	
24404 2000 AB_{194}	3.721	0.54	2 p	SWF
24405 2000 AT_{197}	S 20.1835		2 p N	
24410 Juliewalker	6.4839	0.16	2	
24415 2000 AA_{251}	6.654	0.62	2	SWF
24416 2000 BF_{2}	6.265	0.37	2	SWF
24422 Helentressa	6.779		2−	SWF
24427 2000 CN_{21}	S 13.82376		2 p N	LCI-W
24435 2000 DN	9.60	0.91	3−	SWF
24440 2000 FB_{1}	9.84688	0.17	2	DWF
24442 2000 GM_{122}	10.531	0.50	2	SWF
24443 2000 OG	4.069	0.11−0.19	2 A	
24445 2000 PM_{8}	6.811	0.19−0.95	3	
24446*2000 PR_{25}	10.74	0.18−0.29	3−	
24448 2000 QE_{42}	8.33	0.20−0.27	2+	
24451 2000 QS_{104}	17.18	0.17	2+	
24453 2000 QG_{173}	57.7116	0.40	2	DWF
24454 2000 QF_{198}	>500.	>0.4	2−	
24458 2000 RP_{100}	134.439	0.22	2	DWF
24459 2000 RF_{103}	6.647	0.24	2	SWF
24463 2000 SO_{123}	4.79429	0.26	2	DWF
24465 2000 SX_{155}	2.66087	0.12−0.21	3 B	
24466 2000 SC_{156}	271.923	0.63	2	SWF
24470*2000 SJ_{310}	11.60	0.30−0.45	3−	
24471 2000 SH_{313}	344.144	0.75	2	SWF
24473 2000 UK_{98}	80.722		2−	SWF
24475 2000 VN_{2}		0.04	N	
24478 2000 WC_{145}	16.13	0.30−0.49	3−	
24480 Glavin	3.593	0.18	2	DWF

Planet	Period	Variation	Note	Survey
24483 2000 XK_{50}	3.67796	0.15	2	DWF
24487 2000 YT_{105}	21.0211	0.26	2	DWF
24495 Degroff	24.083	0.58	2 B?	
24499 2001 AL_{30}	9.219	0.07	1	SWF
24505 2001 BZ	14.8068	0.23	2	DWF
24507 2001 BH_{18}	19.0559	0.19	2	DWF
24515 2001 BN_{58}	>0.88	>0.35		SWF
24516 2001 BB_{66}	3.86	0.11	2	SWF
24520 Abramson	144.377	0.43	2	DWF
24523 Sanaraoof	3.803	0.09	1	SWF
24527 2001 CA_{6}		0.75		SWF
24530 2001 CP_{18}	45.2	0.35	2−	
24534 2001 CX_{27}	19.417	0.11−0.16	2 H	DWF
24537 2001 CB_{35}	10.489	0.30−0.36	2+ H	DWF
24547 Stauber	3.59615	0.24	2	DWF
24560 4517 P–L	29.9452	0.18	2	DWF
24570 2153 T–1	47.984		2−	SWF
24571 2179 T–1	12.3369	0.25	2	DWF
24585 4201 T–2	4.4065	0.22	2	DWF
24597 4292 T–3	22.3308	0.30	2	DWF
24601 Valjean	5.89	0.84	3−	SWF
24604 Vasilermakov	13.2463	0.18	2	DWF
24607 Sevnatu	6.08	0.71	3	
24611 Svetochka	S 23.1328		2 p N	LCI-W
24613 1978 VL_{3}	S 7.82599		2 p N	LCI-W
24615 1978 VO_{5}	11.03	0.21	2	SWF
24639 Mukhametdinov	3.03388	0.05	2	DWF
24643 MacCready	2.8291	0.11−0.20	3	
24654 Fossett	6.003	0.52−0.8	3	
24671 Frankmartin	38.9364	0.59	2	DWF
24672 1989 OJ	14.9219	0.37	2	DWF
24681 Granados	S 7.62529		2 p N	LCI-W
24683 1990 DV_{3}	10.0	0.56	2	
24689 1990 OH_{1}		0.38	N	
24691 1990 RH_{3}	6.76	0.30	2−	
24700 1990 VN_{5}	4.26398	0.14	2	DWF
24702 1991 OR	59.5	0.19	2− T0	
24703 1991 PA	S 6.77589		2 p N	LCI-W
24706 1991 PA_{5}	4.47	0.21	2	SWF
24710 1991 PX_{14}	31.4276	0.17	2	DWF
24755 1992 UQ_{6}	>3.72	>0.18		SWF
24756 1992 VF	12.265	0.09	2	
24760 1992 YY_{1}	23.865		2−	SWF
24770 1993 FG_{28}	7.90	0.81	1 DA	SWF
24773 1993 FQ_{35}	4.748		2	SWF
24781 1993 RU_{3}	12.8993	0.06	2	DWF
24783 1993 SQ_{13}	4.19	0.28	2	SWF
24794 Kurland	41.8082	0.27	2	DWF
24796 1994 CD_{18}	2.58622	0.06	2	DWF
24812 1994 VH	2.44466	0.07	2	DWF
24814 1994 VW_{1}	4.533	0.05	2	
24815 1994 VQ_{6}	31.17	0.53	3	
24817 1994 WJ	34.0261	0.16	2	DWF
24819 1994 XY_{4}	27.73	0.04	2− A	
24820 1994 YK_{1}	18.4374	0.25	2	DWF
24822 1995 BW_{11}	5.71	0.50	3−	SWF
24827 Maryphil	11.653	0.44	3−	
24832 1995 SU_{5}	23.4801	0.16	2	DWF
24835 1995 SM_{55}	8.08	0.05−0.19	2 A	
24843 1995 VZ	18.217		2−	SWF
24844 1995 VM_{1}	5.353	0.25	2+	
24846 1995 WM	10.6297	0.47	2	DWF
24856 Messidoro	2.39	0.20	2	SWF
24859 1996 BP_{11}	S 11.05170		2 p N	LCI-W
24865 1996 EG_{1}	1.42402	0.22	2	DWF
24869 1996 FZ	6.18	0.41	2−	SWF
24870 1996 FJ_{1}	3.10124	0.13	3	
24878 1996 HP_{25}	114.443	2.80	2	DWF
24879 1996 KO_{5}	4.41095	0.50	2	DWF
24891 1997 AT_{2}	6.1709	0.96	3	
24893 1997 AK_{5}	95.690		2−	SWF
24898 Alanholmes	6.86	0.62	2	SWF
24900 1997 AZ_{17}	44.235		2−	SWF
24905 1997 CO_{1}	39.623		2	SWF
24910 Haruoando	5.57	0.75	2	SWF
24912 1997 EB_{1}	15.2445	0.12	2	DWF
24920 1997 EE_{23}	24.841		2−	SWF
24923 Claralouisa	22.7292	0.29	2	DWF
24934 Natecovert	3.92702	0.38	2	DWF
24940 Sankichiyama	2.76397	0.08	2	DWF
24942 1997 JA_{15}	21.7565	0.13	2	DWF
24950 Nikhilas	207.87	0.46	2	DWF
24968 Chernyakhovsky	99.5293	0.53	2	DWF
24971 1998 FG_{77}	S 39.9001		2 p N	LCI-W
24986 Yalefan	6.574	0.43	3	
24988*Alainmilsztajn	52.165	0.19	1	DWF
25003 1998 OZ_{8}	47.796		2−	SWF
25010 1998 PL_{1}	10.3536	0.56	2	DWF
25011*1998 PP_{1}	6.336	0.23−0.37	2	SWF
25014 Christinepalau	12.00	0.15	2	SWF
25015 Lairdclose	4.4011	0.27	3 B	
25021*Nischaykumar	2.5344	0.07	3 p B	
25026 1998 QF_{23}	S 12.66397		2 p N	LCI-W
25028 1998 QL_{26}	5.88	0.60−0.68	3	SWF
25038 Matebezdek	>0.97	>0.14		SWF
25041 1998 QX_{40}	4.29837	0.44	3	
25045 Baixuefei	4.174	0.83−0.87	2	SWF
25047 Tsuitehsin	10.4647	0.26	2	DWF
25050 Michmadsen	9.748	0.27−0.32	2	SWF
25051 Vass	>0.57	>0.26		SWF
25053 Matthewknight	54.7253	0.41	2	DWF
25059 1998 QA_{69}	11.759	0.24	3−	
25062 Rasmussen	23.013		2−	SWF
25065 Lautakkin	17.5246	0.22	2	DWF
25066 1998 QN_{86}	5.29143	0.22	2	DWF
25068 1998 QV_{88}	41.18	0.4	3	
25070 1998 QY_{90}	14.692	1.01	2	SWF
25071 1998 QN_{92}	16.7154	0.58	2	DWF
25076 1998 QM_{98}	58.3	0.35	2 T	
25077 1998 QJ_{99}	36.176	0.39	2	SWF
25079 1998 QU_{103}	3.19	0.57−0.61	2	SWF
25081 1998 QR_{108}	31.645	0.60−0.66	2	SWF
25083 1998 RV_{1}	92.1482	0.39	2	DWF
25087 Kaztaniguchi	>2.02	>0.14		SWF
25092 1998 RV_{42}	4.74318	0.24	2	DWF
25094 Zemtsov	5.18	1.02−1.05	3−	SWF
25097 1998 RK_{47}	62.5905	0.53	2	DWF
25098 Gridnev	13.8087	0.13	2	DWF
25099 Mashinskiy	3.763	0.56	2	SWF
25112 Mymeshkovych	10.1	0.35	2+	SWF
25119 Kakani	45.248	0.21	2	SWF
25122 Kaitlingus	S 6.25217		2 p N	LCI-W
25125 Brodallan	5.03975	0.59	2	DWF
25126 1998 RO_{78}	5.21	0.27	2	SWF
25128 1998 SK_{1}	61.467	0.37	2	SWF
25132 1998 SO_{9}	337.003	0.58	2	DWF
25143 Itokawa	12.132	0.69−1.45	3 p T-	
25148 1998 SE_{47}	3.19227	0.24	2	DWF
25152 Toplis	11.4486	0.23	2	DWF
25155 van Belle	44.946		2−	SWF
25162 Beckage	2.46	0.38	2−	SWF
25164 Sonomastate	16.238	0.57	2+	
25171 1998 SX_{66}	11.6	0.33−0.40	2	SWF
25173 1998 SN_{71}	S 2.470317		2 p N	LCI-W
25186 1998 SY_{115}	6.4233	0.45	3−	SWF
25187 1998 SH_{116}	2.73693	0.11	2	DWF
25192 1998 SU_{124}	>5.25	>0.09		SWF
25196*1998 SH_{134}	3.639	0.33−0.34	2	SWF
25199 Jiahegu	S 8.33716		2 p N	LCI-W
25201 1998 SV_{140}	5.35676	0.08	2	DWF
25214 1998 SS_{162}	90.5811	0.49	2	DWF
25215 1998 SC_{164}	21.872	0.50	2	SWF
25220 1998 TQ_{6}	8.65	0.13	2	SWF
25228 Mikekitt	6.194	0.29	2	SWF
25232 Schatz	11.455		2−	SWF
25235 1998 UC_{3}			HN	DWF
25241 1998 UF_{14}	5.146	0.58	2	SWF
25253 1998 UV_{29}	3.789	0.47	2	SWF
25254 1998 UM_{32}	32.5998	1.14	2	DWF
25262 1998 VL_{14}	17.732	0.33	2	SWF
25263 1998 VM_{16}	5.114	0.20	2	SWF
25271 1998 VT_{27}	3.28758	0.26	2	DWF
25272 1998 VK_{32}	>1.73	>0.33		SWF
25273 Barrycarole			HN	DWF
25274 1998 VE_{33}	6.11	0.26	1	SWF
25280 1998 VY_{53}	7.87769	0.38	2	DWF
25282*1998 WR	11.514	0.40−0.49	3	
25285 1998 WB_{7}	35.337	0.76	2	SWF
25289 1998 WE_{12}	5.617		2	SWF
25297 1998 WW_{20}	51.7835	0.39	2	DWF

Planet		Period	Variation	Note			Survey
25298 Fionapaine		4.62	0.17	2			SWF
25300 Andyromine	S	21.4655		2	p	N	LCI-W
25302 Niim		2.984	0.14	2			SWF
25306 1998 XQ_{73}		5.41698	0.16	2			DWF
25307 1998 XU_{77}		10.983	0.32	2			SWF
25310*1998 XY_{92}		5.2927	0.48−0.58	3			
25313 1998 YV_{8}		3.32	0.19	2			SWF
25314 1999 AK_{3}		120.749	0.40	2			DWF
25318 1999 CH_{12}		15.80	0.09	2		A	
25320 1999 CP_{15}		55.25	0.71	3−		T0	
25324 1999 GQ_{4}		5.80959	0.37	2			DWF
25327 1999 JB_{63}		6.7160	0.63−0.65	3			
25328 1999 JK_{83}		6.0349	0.08	2+			
25329 1999 JO_{84}	S	34.9603		2	p	N	LCI-W
25330 1999 KV_{4}		4.919	0.14−0.15	3		N	
25332 1999 KK_{6}		2.4531	0.06−0.10	3			
25333 Britwenger		48.070		2−			SWF
25334 1999 LK_{11}		10.1582	0.15	2			DWF
25335 1999 NT		3.3259	0.34−0.38	3			
25336 1999 OR_{2}		4.89625	0.47	2		A	DWF
25338 1999 RE_{2}		48.326	0.61	2			SWF
25349 1999 RL_{127}			0.62				SWF
25355 1999 RU_{221}		10.02	0.79	1		N	
25361 1999 TC_{23}		3.171	0.50	2			SWF
25368 Gailcolwell		6.805	0.68	2			SWF
25378 Erinlambert		6.06289	0.54	2			DWF
25385 1999 UC_{3}	S	31.7790		2	p	N	LCI-W
25391 1999 UC_{16}		4.048	0.29−0.33	2			SWF
25398 1999 VM_{12}		21.374	0.37	2			SWF
25399 Vonnegut		11.597	0.29	2			SWF
25403 Carlapiazza		>3.72	>0.17				SWF
25404 Shansample		5.028	0.52	2			SWF
25417 Coquillette		5.415	0.55	2			SWF
25419 1999 VC_{72}		7.793		2			SWF
25423 1999 VS_{127}		42.635	0.43	2			SWF
25427 Kratchmarov	S	6.22659		2	p	N	LCI-W
25429 1999 VM_{187}		4.3035	0.44	2			DWF
25440 1999 WR_{7}		5.14776	0.20	2			DWF
25442 1999 WQ_{9}		4.553	0.26	3			
25451 1999 XC_{8}		4.531	0.70	2			SWF
25453 1999 XU_{11}		18.513	0.17	2			SWF
25457 Mariannamao		8.468	0.86	2			SWF
25458 1999 XT_{13}		3.6594	0.30	3−			
25459*1999 XL_{14}		22.298	0.57−0.59	2			SWF
25464 Maxrabinovich		6.236	0.75−0.93	3			
25468 Ramakrishna		5.573	0.48	2		H	DWF
25469 Ransohoff		8.57	0.11	2			SWF
25474 1999 XO_{38}		2.852	0.09	1			SWF
25487 1999 XU_{82}		75.4646	0.24	2			DWF
25489 1999 XN_{83}		10.190	0.81	2			SWF
25490 Kevinkelly		6.441	0.09	1			SWF
25495 Michaelroddy		3.220	0.09	1			SWF
25500 1999 XF_{91}		11.285	0.55	2			SWF
25503 1999 XW_{93}	S	7.51579		2	p	N	LCI-W
25505*1999 XQ_{95}		136.581	0.25−0.31	2			SWF
25507 1999 XB_{96}		81.1532	0.41	2			DWF
25508 1999 XC_{96}	S	9.94330		2	p	N	LCI-W
25510 Donvincent		14.747		2			SWF
25512 Anncomins		127.092	0.26	2			SWF
25514 Lisawu		137.016	0.46	2			DWF
25521 Stevemorgan		32.300	0.69	2			SWF
25525 1999 XM_{113}	S	12.64230		2	p	N	LCI-W
25528 1999 XP_{126}		22.3208	0.14	2			DWF
25531 Lessek		7.693	0.53	2			SWF
25535 1999 XF_{144}		145.183	0.88	2			SWF
25536 1999 XG_{144}		10.7355	0.63	2			DWF
25542 Garabedian	S	10.55227		2	p	N	LCI-W
25549 Jonsauer		2.124	0.27	2			SWF
25564*1999 XC_{175}		3.865	0.27−0.48	2			SWF
25567 1999 XJ_{178}		13.3225	0.17	2			DWF
25572 1999 XJ_{197}	S	5.58825		2	p	N	LCI-W
25583 1999 XJ_{221}		10.554	0.56−0.58	2			SWF
25587 1999 XL_{227}		8.95162	0.10	2			DWF
25589 1999 XY_{231}	S	5.37592		2	p	N	LCI-W
25594 Kessler		81.4299	0.39	2			DWF
25598*1999 YK_{16}		3.383	0.51−0.60	2			SWF
25600*2000 AS_{1}		5.579	0.65−0.80	2			SWF
25604 Karlin		33.366		2−			SWF
25606 Chiangshenghao		42.390		2			SWF
25620 Jayaprakash	S	7.01200		2	p	N	LCI-W

Planet		Period	Variation	Note			Survey
25623 2000 AY_{47}	S	4.618905		2	p	N	LCI-W
25626 2000 AD_{50}		2.086	0.27	2			SWF
25631 2000 AJ_{55}		10.028	0.27	2			SWF
25634 2000 AZ_{59}		4.570	0.59	2			SWF
25638 Ahissar		3.2721	0.66	3			
25647 2000 AQ_{75}		45.961	0.24	2			SWF
25654 2000 AX_{85}		18.4758	0.16	2			DWF
25656 Bejnood		>5.40	>0.22				SWF
25658 Bokor		1.72	0.14	2			SWF
25670 Densley		7.56	0.81	3−			SWF
25673 Di Mascio		7.769	0.40	2			SWF
25675 2000 AX_{101}		2.57666	0.19	2			DWF
25676 Jesseellison		4.960		2−			SWF
25684 2000 AB_{114}		6.925	0.69	2			SWF
25685 Katlinhornig		9.522	0.22	2			SWF
25689 Duannihuang		6.374	0.62−0.69	2			SWF
25694 2000 AX_{124}		6.26601	0.26	2			DWF
25695 Eileenjang		1.41434	0.14	2			DWF
25698 Snehakannan		4.722	0.60	2			SWF
25700 2000 AA_{128}		118.099	0.65	2			DWF
25709 2000 AP_{142}		2.962	0.27	2			SWF
25711 Lebovits		6.58	0.76	2+			SWF
25716 2000 AE_{164}		17.374	0.65	2			SWF
25719 2000 AV_{171}		19.4	0.82	1		N	
25720 Mallidi		5.87941	0.33	2			DWF
25723 Shamascharak		6.35052	0.54	2			DWF
25727 Karsonmiller	S	38.9373		2	p	N	LCI-W
25729 2000 AV_{187}		7.65177	0.23	2			DWF
25730 2000 AY_{189}		3.38894	0.29	2			DWF
25738*2000 AO_{198}		2.3488	0.12−0.24	3−			
25745 Schimmelpenninck		5.514	0.61	2			SWF
25750 Miwnay		769.398	0.85	2			DWF
25755 2000 BR_{14}		14.9152	0.45	2			DWF
25758 2000 BZ_{29}		2.95	0.11	1+			SWF
25762*2000 CO_{2}		4.01073	0.40−0.92	2			DWF
25770 2000 CV_{24}		3.41586	0.08	2			DWF
25773 2000 CX_{27}		11.749	0.41−0.49	2			SWF
25782 2000 CX_{38}		3.76	0.23	2+			SWF
25783 Brandontyler		3.500	0.15	2			SWF
25797 2000 CG_{82}		10.540	0.20	2			SWF
25799 Anmaschlegel		4.38	0.23	2+			SWF
25804 2000 CC_{89}	S	8.74095		2	p	N	LCI-W
25805 2000 CV_{91}		9.90	0.15	2			SWF
25814 Preesinghal		3.12	0.39	2−			SWF
25820 2000 DB_{56}	S	12.05893		2	p	N	LCI-W
25830 2000 DN_{110}		11.4183	0.09	2			DWF
25831 2000 DH_{111}		4.78	0.29	2			SWF
25838 2000 EV_{30}		145.576	0.17	2			DWF
25843 2000 EQ_{84}	S	9.70248		2	p	N	LCI-W
25845 2000 EO_{86}	S	15.12858		2	p	N	LCI-W
25846 2000 EF_{93}	S	16.9713		2	p	N	LCI-W
25855 2000 EA_{168}		13.393	0.59−0.60	2			SWF
25858 Donherbert		3.00646	0.10	2			DWF
25859 2000 FW_{3}		6.33523	0.29	2			DWF
25861*2000 FS_{15}		6.996	0.18−0.26	2			SWF
25866*2000 GA_{100}		104.469	0.26−0.52	2			SWF
25873 2000 MK_{6}		19.1313	0.17	2			DWF
25874 2000 OS_{39}		24.1994	0.32	2			DWF
25879 2000 QA_{105}		23.642	0.64	2			SWF
25881 2000 RH_{41}		228.606	0.43	2			DWF
25884 Asai		4.9169	0.36−0.55	3	p	B?	
25887 2000 SU_{308}		21.975	0.72	2	p		SWF
25888 2000 UW_{109}		17.7788	0.02	2			DWF
25891 2000 WK_{9}		4.1375	0.22	3−	p		
25895 2000 XN_{9}		14.230	0.28	2+			
25902 2000 YZ_{105}		9.71573	0.32	2			DWF
25907 Capodilupo		6.936	0.59	2			SWF
25911 2001 BC_{76}		8.80	0.63	2+			
25916*2001 CP_{44}		4.6021	0.21−0.44	3			
25918 2001 DT_{13}		112.085	0.38	2			DWF
25921 2001 DS_{21}		11.4216	0.42	2			DWF
25922*2001 DY_{21}		5.86656	0.37	2	p	A	DWF
25928 2001 DJ_{52}		8.021	0.53	2			SWF
25929 2001 DY_{52}		41.1035	0.38	2			DWF
25934 2001 DC_{74}		19.1	0.90	2	p		
25935 2001 DG_{74}		7.50	0.52	2			SWF
25944 Charlesross		39.115		2			SWF
25956 Spanierbeckage		6.643	0.47	2			SWF
25978 Katerudolph		5.68185	0.56	2			DWF
25980 2001 FK_{53}		2.762	0.10	3			

Planet	Period	Variation	Note	Survey
25983 2001 FR_{57}	S 28.6720		2 p N	LCI-W
25987 Katherynshi	>2.02	>0.12		SWF
25993 Kevinxu	112.368	0.16	2	DWF
26001 2001 FX_{98}	280.307	0.38	2	DWF
26002 Angelayeung	2.299	0.25	2	SWF
26008 2001 FE_{127}	8.64588	0.20	2	DWF
26010 2001 FN_{129}	4.16	0.66	2	SWF
26021 4177 *P–L*	72.725	0.86	2	SWF
26022 4180 *P–L*	5.4	0.9	2	
26023 4538 *P–L*	27.4493	0.31	2	DWF
26027 Cotopaxi	7.1	1.02	2	SWF
26029*5565 *P–L*	8.48922	1.40–1.42	3	
26031 6074 *P–L*	4.55	0.84	2–	SWF
26033 6801 *P–L*	5.35	0.29	2	SWF
26036 2166 *T–1*	14.2307	0.23	2	DWF
26038 2290 *T–1*	8.07	0.51	2	SWF
26041 4172 *T–1*	10.30	0.67	2	SWF
26045 1582 *T–2*	2.9	0.10	1 N	
26048 2409 *T–2*			HN	DWF
26058 1061 *T–3*	6.058	0.49	2	SWF
26073*5168 *T–3*	9.552	0.64–0.78	2	SWF
26074 Carlwirtz	2.5493	0.11–0.20	3 B?	
26083 1981 EJ_{11}	347.	0.33–0.34	2+ B?	
26084 1981 EK_{17}	121.957	0.68	2	SWF
26088 1985 QF_1	7.437	0.09	1	SWF
26089 1985 QN_2	4.35216	0.50	2	DWF
26090 1986 PU_1	4.23	0.33	2	SWF
26093 1987 UA_1	3.3186	0.10	2+ A	
26094 1988 *NU*	4.604	0.09	1	SWF
26096 1988 SD_3	11.228	0.21	2	SWF
26098 1989 AN_3	2.42	0.12	1	SWF
26110*1991 NK_4	9.178	0.67–0.79	2	SWF
26111 1991 *OV*	39.001		2	SWF
26114 1991 *QG*	76.2585	0.34	2	DWF
26121 1992 *BX*	3.554	0.31	2	SWF
26125 1992 *RG*	4.2005	0.49	3	
26128 1993 BO_{10}	8.70	0.40–0.45	3–	SWF
26133 1993 FS_{26}	6.767	0.15–0.29	2	SWF
26138 1993 TK_{25}	32.00	1.26	2	SWF
26145 1994 PG_{18}	3.59742	0.29	2	DWF
26151 Irinokaigan	11.8102	0.27	2	DWF
26155 1994 VL_7	>4.35	>0.36		SWF
26163 1995 *DW*			HN	DWF
26171 1996 BY_2	61.0037	0.51	2	DWF
26174 1996 EP_1	5.93	0.12	1	
26176 1996 GD_2	S 19.2578		2 p N	LCI-W
26181 1996 GQ_{21}		<0.10		
26182 1996 HW_8	2.769	0.09	1	SWF
26183 Henrigodard	5.665		2–	SWF
26188 1996 YE_2	117.519	0.36	2	DWF
26197 Bormio	3.607	0.43–0.48	2	SWF
26198 1997 GJ_{13}	181.109	0.39	2	SWF
26203*1997 *KS*	12.857	0.17–0.35	3	
26207 1997 *QU*	9.17438	0.19	2	DWF
26216 1997 VE_3	23.9952	0.29	2 A	DWF
26223 Enari	59.9543	0.40	2	DWF
26227*1998 HJ_7	22.07	0.15–0.19	2 A	
26230 1998 QR_1	7.318	0.68	2	SWF
26231 1998 QQ_7	2.969	0.28	2	SWF
26232 Antink	35.503		2	SWF
26237 1998 QQ_{31}	3.52405	0.36	2	DWF
26239 1998 QP_{33}	>1.45	>0.11		SWF
26241 1998 QY_{40}	12.835	0.71–0.76	2 p	SWF
26251 Kiranmanne	5.207		2–	SWF
26269 Marciaprill	57.282	0.65	2	SWF
26274 1998 RH_{75}	3.1296	0.55	3	
26277 Ianrees	8.688		2–	SWF
26284 1998 SZ_{59}	7.501	0.22	2	SWF
26285 1998 SS_{61}	20.353	0.33	2	SWF
26287 1998 SD_{67}	10.648	0.38	3–	
26304 1998 SZ_{145}	4.952	0.76	2	SWF
26308 1998 SM_{165}	7.98	0.56	2 BN	
26322 1998 VS_6	>0.47	>0.10		SWF
26330 1998 WN_5	4.794	0.68	2	SWF
26332 Alyssehrlich	8.2065	0.44	2	DWF
26335 1998 WT_{16}	3.773	0.37	2	SWF
26337 Matthewagam	98.949	0.53	2	SWF
26340 Evamarková		>0.1		
26342 1998 XM_{52}	16.531	0.44	2	DWF
26343 1998 XB_{53}	12.554	0.47	2	SWF
26346 1998 XF_{93}	13.927	0.29	2	SWF
26348 1998 XQ_{94}	15.695	0.21	2 p	SWF
26351*1998 XG_{95}	14.096	0.69–0.85	2	SWF
26355*Grueber	4.539	0.59–0.69	3	
26356 Aventini	S 19.4433		2 p N	LCI-W
26359 1998 YF_{12}	41.1544	0.54	2	DWF
26364 1999 AH_8	33.4134	0.13	2	DWF
26365 1999 AK_{21}	100.037	0.44	2	DWF
26368 Alghunaim	10.9206	0.22	2	DWF
26369 1999 CG_{62}	18.6182	0.50	2	DWF
26372*1999 CW_{69}	>24.	>0.1	2–	
26373 1999 CZ_{74}	144.959	0.58	2	DWF
26374 1999 CP_{106}	1.89023	0.38	2	DWF
26375 1999 DE_9	>24.	<0.10	1	
26377 1999 FH_4	6.7755	0.41–0.53	3	
26378 1999 GF_{35}	4.77151	0.41	2	DWF
26380 1999 JY_{65}	13.653	0.38	3	
26382 Charlieduke	7.784	0.56	2	SWF
26383*1999 MA_2	4.918	0.23–0.35	3	
26385 1999 RN_{20}	5.77606	0.41	2	DWF
26387 1999 TG_2	S 5.14720		2 p N	LCI-W
26399 Rileyennis	19.968	0.56–0.71	2	SWF
26403 1999 WF_{18}	5.166	0.21	2	SWF
26406 1999 XZ_{21}	7.61472	0.54	2	DWF
26408 1999 XO_{33}	29.250	0.36	2	SWF
26410 1999 XZ_{34}	5.619	0.38	2 p	SWF
26412 Charlesyu	46.57	0.45	2	SWF
26416*1999 XM_{84}	2.907	0.07–0.20	3– p B	
26419 1999 XR_{95}	2.552	0.09	1	SWF
26420*1999 XL_{103}	3.2	0.09	2 B	
26421 1999 XP_{113}	4.320	0.23	3	
26433 Michaelyurko	7.933	0.64	2	SWF
26441 Nanayakkara	4.85	0.62	2	SWF
26444 2000 AB_{58}	12.8462	0.27	2	DWF
26447 Akrishnan	102.922	0.56	2	SWF
26454 2000 AQ_{89}	4.07602	0.19	2	DWF
26456 2000 AY_{101}	8.94568	0.17	2	DWF
26460 2000 AZ_{120}	5.48	0.90	2 p	
26461 2000 AW_{124}	2.340	0.09	1	SWF
26463 2000 AW_{137}	2.573	0.09	2	DWF
26471 Tracybecker	2.68679	0.18–0.25	3 B	
26472 2000 AC_{162}	3.745	0.36	2	SWF
26481 2000 AS_{200}	S 4.170573		2 p N	LCI-W
26485 2000 AD_{231}	42.222	0.33	2	SWF
26490 2000 AN_{245}	S 9.12207		2 p N	LCI-W
26501 Sachiko	8.64077	0.42	2	DWF
26507 Mikelin	>1.15	>0.07		SWF
26513 Newberry	48.417		2–	SWF
26514 2000 CH_{48}	4.9655	0.72–0.94	3	
26515 2000 CJ_{53}	5.516	0.67–1.06	2	SWF
26520 2000 CQ_{75}	3.970	0.37	2 p	SWF
26521 2000 CS_{76}	9.03254	0.77	2	DWF
26522 Juliapoje	>12.	>0.07	1	SWF
26524 2000 CY_{85}	3.332	0.09	1	SWF
26534 2000 *DA*	37.1819	0.28	2	DWF
26535 2000 DG_3	70.8966	0.50	2	DWF
26560 2000 EQ_{36}	15.8725	0.66	2	DWF
26569*2000 EL_{77}	12.624	0.56–0.60	2	SWF
26571 2000 EN_{84}	4.999	0.25	3	
26577 2000 EC_{91}	2.676	0.25	2	SWF
26578 Cellinekim	6.90	0.30	2	
26579 2000 EU_{96}	5.95256	0.15	2	DWF
26582*2000 EV_{107}	5.014	0.85	3– p	
26584*2000 EF_{114}	6.668	0.31–0.37	2	SWF
26594 2000 EF_{151}	5.25678	0.27	2	DWF
26596*2000 EE_{171}	9.007	0.24–0.39	2	SWF
26597 2000 EF_{171}	21.0891	0.32	2	DWF
26603 2000 FT_{17}	3.37652	0.31	2	DWF
26604 2000 FO_{25}	47.1744	0.29	2	DWF
26606 2000 FH_{31}	2.82	0.14	2	SWF
26616*2000 GG_6	4.015	0.28–0.38	2	SWF
26623 2000 GK_{82}	4.834	0.36	2	SWF
26628 2000 GX_{114}	4.43123	0.36	2	DWF
26630 2000 GH_{133}	3.62	0.09	1	SWF
26631 2000 GE_{136}	123.423	1.19	2	DWF
26634 Balasubramanian	7.457		2–	SWF
26635 2000 HC_{53}	5.27	0.19	2+	SWF
26636 2000 HX_{57}	4.274	0.25	2+	
26646 2000 KG_{67}	41.3099	0.22	2	DWF
26654 2000 RH_{103}	4.39456	0.15	2	DWF

Planet	Period	Variation	Note	Survey
26657 2000 SX_{293}	3.3	0.30	2	
26662 2000 WB_{181}	6.28261	0.24	2	DWF
26663 2000 XK_{47}	2.572	0.11	2 N	
26680 Wangchristi	39.9677	0.20	2	DWF
26687 2001 FH_{54}	6.169	0.37	2	SWF
26703 2001 FB_{144}	8.4	0.37	2−	
26714 2001 GL_{1}	27.9675	0.69	2	DWF
26722 2001 HK_{7}	20.252	0.53	3	
26724 2001 HU_{8}	>1.43	>0.23		SWF
26729 2001 HE_{12}	3.79921	0.48	2	DWF
26736*Rojeski	12.343	0.26−0.39	2	SWF
26737*Adambradley	2.74491	0.25	3	
26740 Camacho	3.39	0.27	1+	SWF
26741 2001 HZ_{35}	7.324		2	SWF
26743 Laichinglung	4.732	0.70	2	SWF
26754 2001 JL_{4}	32.6511	0.31	2	DWF
26757 Bastei	3.241	0.07	1	SWF
26758*2001 KV_{19}	10.00	0.86−1.05	3−	SWF
26760 2001 KP_{41}	5.300	0.24−0.31	3	
26761 Stromboli	15.96	0.12	3	
26762 2564 *P–L*	4.293	0.37	2	SWF
26790 5235 *T–3*			HN	DWF
26791 5282 *T–3*	100.584	0.16	2	DWF
26792 1975 *LY*	S 79.15		2 p N	LCI-D
26794 Yukioniimi	3.40	0.20	2	SWF
26800 Gualtierotrucco	6.820	0.51	2	SWF
26806 1982 KX_{1}	227.484	0.51	2	DWF
26808 1982 VB_{4}	14.3	0.25	2	
26816 1986 *TS*	38.8441	0.27	2	DWF
26818 1987 *QM*	2.84241	0.26	2	DWF
26821 Baehr	6.90	0.29	3−	
26836 1991 PA_{6}	3.61	0.41−0.47	2	SWF
26839 1991 RC_{10}	3.288	0.46	2	SWF
26853 1992 UQ_{2}	8.270	0.14	2+	
26854*1992 *WB*	3.34	0.18−0.24	2	SWF
26858 Misterrogers	8.065	0.12	3	
26867 1993 GK_{1}	4.38	0.15	2	SWF
26868 1993 RS_{3}	38.3463	0.13	2	DWF
26874 1994 AN_{9}	14.2832	0.45	2	DWF
26876*1994 CR_{14}	306.715	0.48−0.54	2	SWF
26879 Haines	2.7614	0.07	2	
26880 1994 PK_{8}	7.449	0.53−0.63	2	SWF
26881 1994 PF_{11}	6.777	0.54−0.64	2	SWF
26887 Tokyogiants	2.876	0.23	3	
26888 1994 *XH*			HN	DWF
26889 1995 BM_{1}	25.976	0.07	2	DWF
26894*1995 KN_{1}	9.929	0.38−0.63	2	SWF
26895 1995 *MC*	12.72	0.04	2 N	
26909 Lefschetz	107.31	0.80	2	DWF
26912 1996 JG_{1}	14.031	0.42	2 p	SWF
26916 1996 RR_{2}	10.324	0.27−1.05	3	
26918 1996 RA_{16}	3.69	0.27	2	SWF
26922 Samara	4.16	0.57	2	SWF
26925 1997 AK_{2}	6.96	0.26	2	SWF
26930 1997 CH_{20}	4.425	0.30	2	SWF
26931 1997 CC_{22}	8.149		2−	SWF
26934 Jordancotler	28.	0.35	2−	
26937 Makimiyamoto			HN	DWF
26940 Quintero	3.98387	0.17	2	DWF
26949 1997 JV_{7}	8.675	0.46−0.50	2	SWF
26957 1997 MN_{4}	19.587	0.21	2	DWF
26959 1997 MR_{8}	6.498	0.20	2	SWF
26960 Liouville	14.2302	0.23	2	DWF
26961 1997 OY_{1}	6.97922	0.69	2	DWF
26968 1997 RB_{9}	4.126	0.40	2	SWF
26972 1997 SM_{3}	10.7126	0.63	2	DWF
26974*1997 TJ_{19}	13.263	0.60−0.79	2	SWF
26977 1997 US_{3}	309.679	0.92	2	SWF
26980 1997 UQ_{10}	5.30207	0.29	2	DWF
26982 1997 UY_{21}	6.72831	0.40	2	DWF
26984 Fernand-Roland	20.	0.3	1+	
26986 Čáslavská	18.9912	0.23	2	DWF
26989 1997 WO_{7}	6.129	0.35	2	SWF
26990 Culbertson	S 5.53176		2 p N	LCI-W
26993 Littlewood	5.886	0.32−0.40	2	SWF
27000 1998 BO_{44}	11.034	0.34	3−	
27005*1998 DR_{35}	134.	0.50−1.20	1+	
27015 1998 HS_{135}	7.26258	0.46	2	DWF
27018 1998 KQ_{52}	5.733	0.41	2	SWF
27023 1998 QE_{54}	8.181		2−	SWF
27026 1998 QG_{86}	25.4877	0.14	2	DWF
27036 1998 RZ_{54}	46.876	0.50	2	SWF
27039 1998 RU_{61}	4.38	0.18−0.19	2	SWF
27052 Katebush	28.4676	0.20	2	DWF
27060 1998 SU_{37}	5.798	0.28−0.52	2	SWF
27062 1998 SJ_{58}	59.527	0.31−0.36	2	SWF
27065 1998 SJ_{64}	4.560	0.20	3	
27068 1998 SU_{74}	4.011	0.21	2+	
27072 Aggarwal	7.121	0.13	2	SWF
27094 Salgari	6.694	0.32−0.40	2	SWF
27096 1998 UL_{24}	>4.70	>0.10		SWF
27097*1998 UM_{26}	6.651	0.09−0.42	2+	
27109 1998 VV_{32}	26.2192	0.07	2	DWF
27111 1998 VV_{34}	3.323	0.15	3−	
27115 1998 WG_{3}	>1.35	>0.20		SWF
27129 1998 XN_{1}	20.1184	0.36	2	DWF
27130 Dipaola	33.8498	0.16	2	DWF
27134 1998 XO_{11}	3.198	0.34−0.37	2	SWF
27135 1998 XB_{12}	4.482	0.14	3	
27136 1998 XJ_{16}	26.	>0.10	2− N	
27139 1998 XX_{46}	5.195	0.21−0.36	2	SWF
27140 1998 XW_{49}	44.6292	0.35	2	DWF
27146 1998 YL_{1}	11.310	0.27	2	SWF
27150 Annasante	85.7333	0.22	2	DWF
27154 1998 YG_{7}	3.126	0.30	2	SWF
27156 1998 YK_{22}	11.9367	0.38	2	DWF
27162*1999 AM_{6}	8.808	0.28−0.38	2	SWF
27165 1999 AM_{7}	48.0833	0.44	2	DWF
27171*1999 AD_{33}	4.108	0.29−0.37	2	SWF
27172 1999 AN_{34}	9.890	0.53	2 p	SWF
27181*1999 CX_{1}	14.9396	0.24−0.45	2+	DWF
27182*1999 CL_{3}	13.670	0.51−0.56	2	SWF
27183 1999 CF_{4}	4.574	0.16	2	SWF
27185 1999 CH_{37}	3.155	0.25	2	SWF
27191 1999 CO_{54}	3.55716	0.24	2	DWF
27193 1999 CD_{60}	48.1759	0.07	2	DWF
27196 1999 CF_{64}	34.1278	0.14	2	DWF
27202 1999 CU_{70}	11.0874	0.35	2	DWF
27204 1999 CY_{74}	9.7	>0.8	2−	
27205 1999 CY_{75}	7.699	0.19−0.20	2	SWF
27208 Jennyliu	9.102	0.57−0.59	2	SWF
27213 1999 CA_{110}	32.4921	0.28	2	DWF
27219 1999 *EL*	19.8667	0.35	2	DWF
27221 1999 FA_{27}	7.24592	0.17	2	DWF
27225*1999 GB_{17}	3.85341	0.57	2 p	DWF
27227 1999 GB_{48}	3.82	0.09	2	SWF
27229 1999 JX_{37}	S 9.77540		2 p N	LCI-W
27231 1999 JM_{57}	45.04	0.34	2	DWF
27238 Keenanmonks	93.9842	0.27	2	DWF
27240 1999 TR_{36}	389.285	0.52	2	DWF
27243 1999 UK_{24}	2.994	0.27	2	SWF
27249 1999 WO_{8}	31.2069	0.21	2	DWF
27259 1999 XS_{136}	12.078	0.67	2	SWF
27262 1999 XT_{184}	5.74263	0.20	2	DWF
27263 Elainezhou	12.7725	1.05	2	DWF
27265 1999 XV_{233}	27.931	0.13	2	DWF
27268 1999 YS_{9}	25.5156	0.29	2	DWF
27270 Guidotti	2.6	0.3	1	
27273 2000 AT_{34}	4.33589	0.09	2	DWF
27278 2000 AU_{61}	5.780	0.39	2 p	SWF
27281 2000 AB_{68}	7.66567	0.19	2	DWF
27285 2000 AT_{97}	47.0657	0.15	2	DWF
27294 2000 AT_{142}	4.66781	0.60	2	DWF
27295 2000 AU_{143}	9.968	0.26−0.27	2	SWF
27296 Kathyhurd	5.312		2−	SWF
27300 2000 AA_{168}	6.3208	0.93	3	
27303 Leitner	38.541	0.72−0.74	2 p	SWF
27305 2000 AJ_{203}	S 17.4163		2 p N	LCI-W
27316 2000 BS_{3}	3.852		2−	SWF
27321 2000 CR_{2}	18.1738	0.11	2	DWF
27328 Pohlonski	>1.35	>0.10		SWF
27331*2000 CE_{58}	3.0018	0.26−0.30	3	
27334 2000 CN_{87}	16.9431	0.10	2	DWF
27339 2000 CZ_{94}	6.55439	0.66	2	DWF
27343 Deannashea	96.516		2−	SWF
27346 2000 DN_{8}	0.068	0.10	1	
27351 2000 DO_{73}	9.008	0.16	3	
27357 2000 DG_{99}	>5.48	>0.10		SWF
27358 2000 DX_{104}	5.91833	0.11	2	DWF
27360*2000 DH_{107}	11.199	0.49−0.64	2 p	SWF

Planet	Period	Variation	Note	Survey
27363 Alvanclark	12.84	0.09	3−	SWF
27365 Henryfitz	6.512	0.78	2	SWF
27371 2000 ER_{40}	14.435	0.87	2	SWF
27377 2000 EY_{54}	6.182	0.69−0.91	2	SWF
27388 2000 ET_{86}	3.641	0.13	2	SWF
27391 2000 EU_{90}	2.772	0.12	2	SWF
27395 2000 EX_{94}	3.45	0.24−0.27	2+	
27402 2000 EZ_{108}	19.066	0.57−0.71	2	SWF
27433 Hylak	160.551	0.18	2	DWF
27440*Colekendrick	2.74368	0.09	2 A	DWF
27443 2000 FH_{49}	S 5.30523		2 p N	LCI-W
27449 Jamarkley	2.88	0.17	2	SWF
27450 Monzon	4.748	0.10	2−	SWF
27451 2000 GE_{20}	5.0681	0.23	2	DWF
27460 2000 GW_{42}	7.01	0.10	2	SWF
27467 2000 GF_{69}	18.920	0.43	2	SWF
27469 2000 GN_{72}	7.744	0.58−0.72	2	SWF
27471 2000 GG_{76}	12.47	0.69	2 p	SWF
27473 2000 GV_{78}	21.907	0.83	2	SWF
27477 2000 GT_{85}	19.2161	0.26	2	DWF
27484 2000 GN_{94}	12.3974	0.22	2	DWF
27485 2000 GO_{94}	3.23863	0.34	2	DWF
27495 Heatherfennell	4.916	0.56	2	SWF
27496*2000 GC_{125}	4.7089	0.05−0.12	2+	
27500 Mandelbrot	5.741	0.61	2	SWF
27502 Stephbecca	6.96	0.33−0.34	2	SWF
27505*2000 GN_{141}	8.3	0.56	2	
27508 2000 GS_{142}	8.222	0.28	2	SWF
27515 Gunnels	3.277	0.10	1	SWF
27523 2000 HC_{31}	8.34292	0.40	2	DWF
27529 2000 HJ_{64}	4.1290	0.51	2 A	
27530 2000 HC_{66}	224.791	0.38	2	DWF
27537 2000 HZ_{83}	100.893	0.23	2	DWF
27540 2000 HA_{100}	138.559	0.28	2	DWF
27543 2000 JC_{13}	55.0505	0.64	2	DWF
27550 2000 JC_{24}	7.696	0.19	2	SWF
27552 2000 JZ_{32}	19.2835	0.09	2	DWF
27556 Williamprem	81.362	0.82	2	SWF
27557 2000 JP_{55}	15.144	0.23	2	SWF
27563 2000 KD_{60}	36.4182	0.48	2	DWF
27564 Astreichelt	2.932	0.37	2	SWF
27567 2000 OK_{36}	5.44916	0.70	2	DWF
27568*2000 PT_{6}	3.4885	0.10−0.15	3 B	
27569 2000 QW_{122}	37.5508	0.47	2	DWF
27579*2000 TA_{29}	11.300	0.24−0.45	2	SWF
27581 2000 UR_{26}	5.1355	0.27	2	DWF
27582 Jackieterrel	4.12	0.66	2	SWF
27586 2000 XH_{34}	35.0741	0.56	1+	DWF
27587 2000 XG_{39}	46.278	0.17	2	DWF
27594 2001 CZ_{19}	30.604	0.20	2	DWF
27597 Varuniyer	6.182	0.67	2	SWF
27605 2001 HN_{9}	16.4988	0.16	2	DWF
27607 2001 KN_{1}	6.82662	0.06	2	DWF
27608 2001 KZ_{11}	7.00969	0.53	2	DWF
27609 2001 KO_{13}	3.7906	0.40	2	DWF
27618 Ceilierin	6.401	0.34−0.37	2	SWF
27621 2001 KF_{67}	290.278	0.33	2	DWF
27622 2001 KS_{71}	6.39473	0.26	2	DWF
27658 Dmitrijbagalej	27.4035	0.31	2	DWF
27664 1978 VX_{5}	164.729	0.85	2	DWF
27666 1978 VU_{6}	4.849		2	SWF
27667 1979 KJ	3.15794	0.25	2	DWF
27669 1979 MQ_{4}	84.693	0.53	2	SWF
27675 Paulmaley	2.9661	0.10−0.13	3 B	
27676 1981 DH_{3}	2.797	0.16	2	SWF
27677 1981 EV_{3}	3.12116	0.21	2	DWF
27686 1981 ES_{21}	10.5908	0.21	2	DWF
27695 1981 EW_{36}	8.37	0.15	1 N	
27697 1981 EM_{45}	6.890	0.56	2	SWF
27700 1982 SW_{3}	9.997	0.32	3−	
27703 1984 SA_{2}	9.568		2−	SWF
27709 Orenburg	4.93712	0.47	2	DWF
27713*1989 AA	3.999	0.50−0.82	3	
27720 1989 UP_{3}	7.598	0.91	2	SWF
27721*1989 WJ	31.902	0.15−0.79	2	SWF
27722 1990 OB_{2}	14.85	0.33−0.42	2	
27725 1990 QF_{4}	>1.50	>0.09		SWF
27727 1990 QM_{7}	14.263		2−	SWF
27738 1990 TT_{4}	26.4684	0.07	2	DWF
27743 1990 VM	6.09987	0.24	2	DWF
27747 1990 YW	15.2096	0.05	2	DWF
27753 1991 PF_{5}	4.025		2	SWF
27766 1991 TO	49.4584	0.40	2	DWF
27771 1991 VY_{2}	>1.15	>0.24		SWF
27776 Cortland	2.6095	0.05−0.07	3−	
27778 1992 DF_{6}	4.27	0.56−0.66	2	SWF
27785 1992 OE_{3}	9.232	0.47−0.53	2	SWF
27789 Astrakhan	2.609	0.04	1	SWF
27796 1993 FK_{13}	4.554		2−	SWF
27797 1993 FQ_{17}	S 5.60246		2 p N	LCI-W
27802*1993 FY_{30}	8.581	0.30−0.35	2	SWF
27808 1993 FT_{56}	59.337		2−	SWF
27810 Daveturner	546.	0.43	2+ T0	
27811 1993 OA_{7}	13.05	0.26	2	
27821 1993 TU_{34}	3.78	0.24	2	SWF
27822 1993 UG_{1}	20.2426	0.32	2	DWF
27824 1993 UD_{8}	19.0284	0.28	2	DWF
27834 1994 PW_{13}	4.25	0.47	2	SWF
27835 1994 PZ_{13}	S 88.947		2 p N	LCI-W
27839 1994 PX_{20}			HN	DWF
27844 1994 TG_{1}	2.68004	0.07	2	DWF
27848 1994 UZ	7.74	0.15	2	SWF
27851 1994 VG_{2}	7.733	1.0	2	
27852 1994 WQ	42.9572	0.14	2	DWF
27854 1994 YG_{1}	44.2422	0.21	2	DWF
27856 1995 AX_{3}	3.0287	0.29	2	DWF
27860 1995 BV_{2}	3.918	0.32	2	SWF
27861 1995 BL_{4}	28.273	0.47	2	SWF
27867 1995 KF_{4}	418.940	0.37	2	SWF
27875 1996 BL_{3}	3.20	0.22	2−	SWF
27880 1996 EQ	4.998	0.58	2	SWF
27893 1996 HK_{25}	S 45.8946		2 p N	LCI-W
27900 Cecconi	5.64085	0.32	2	DWF
27903 1996 RS_{11}	S 4.056373		2 p N	LCI-W
27911 1996 TC_{14}	4.04309	0.16	2	DWF
27913*1996 TC_{41}	4.113	0.34−0.39	2	SWF
27915 Nancywright	5.459	0.35	2	SWF
27916 1996 VX_{1}	3.69603	0.58	2	DWF
27920 1996 VV_{8}	54.3615	0.08	2	DWF
27921 1996 VY_{26}	18.703	0.64	3−	
27922 Mascheroni	1110.58	0.48	2	DWF
27923 1996 XJ_{32}			HN	DWF
27925 1997 CJ_{1}	>1.97	>0.32		SWF
27935 1997 JN	3.19917	0.40	2	DWF
27938 Guislain	S 27.3868		2 p N	LCI-W
27950 1997 OF_{1}	5.804	0.07	1	SWF
27953 1997 PF_{5}	3.906	0.29−0.31	2	SWF
27958 Giussano	7.43	0.49	2	SWF
27962 1997 SY_{1}	5.291	0.05	2−	SWF
27965 1997 SH_{25}	5.629	0.34−0.36	2	SWF
27967 Beppebianchi	19.881	0.07	2	DWF
27972 1997 TA_{18}	3.9415	0.16	2	DWF
27973 1997 TR_{25}	6.497	0.30	3	
27978 Lubosluka	4.68	0.23	2	SWF
27988 Menabrea	133.279	0.24	2	DWF
27990 1997 VD_{6}	40.48	0.24	2	DWF
28002 1997 WO_{51}	138.164	0.23	2	DWF
28003 1997 WT_{52}	3.690	0.23	2	SWF
28010 1997 YE_{3}	162.321	0.39	2	DWF
28016 1997 YV_{11}	157.562	0.39	2	DWF
28017 1997 YV_{13}	47.	>0.15	2 T?	
28020 1998 BP_{5}	6.498	0.66	2	SWF
28021 1998 BP_{6}	9.00039	0.05	2	DWF
28023 1998 BF_{11}	738.466	0.57	2	DWF
28030 1998 DW_{12}	3.19648	0.16	2	DWF
28040 1998 FF_{80}	20.2262	0.23	2	DWF
28044 1998 FD_{116}	5.992		2−	SWF
28059*Kiliaan	3.4382	0.47	2 p	DWF
28063 1998 OR_{14}	7.01	0.21−0.22	2	SWF
28067 1998 QA_{14}	3.746	0.45−0.48	2	SWF
28071 1998 QC_{26}	10.031	0.30−0.32	2	SWF
28073 Fohner	218.986	0.21	2	DWF
28098 1998 RJ_{64}	2.601	0.27	2	SWF
28100 1998 RG_{69}	S 5.43391		2 p N	LCI-W
28103 Benmcpheron	5.05	0.30	2	SWF
28126 Nydegger	3.783	0.11	2+	
28130 Troemper	S 74.869		2 p N	LCI-W
28133 Kylebardwell	S 5.46284		2 p N	LCI-W
28139 1998 SN_{141}	3.88888	0.38	2	DWF
28143 1998 TK_{5}	22.042		2−	SWF

Planet	Period	Variation	Note	Survey
28146 1998 TC_{32}	11.049		2−	SWF
28147 1998 TD_{32}	7.504		2	SWF
28159 Giuricich	46.6908	0.26	2	DWF
28162 1998 VD_{14}	3.82	0.10	1+	SWF
28164 1998 VY_{21}	22.974	0.69	2	DWF
28186 1998 WK_{18}	9.656	0.04	1	SWF
28192 1998 WE_{24}	34.293	0.37	2	SWF
28198 1998 XU_{16}	14.8378	0.33	2	DWF
28210 Howardfeng	401.68	0.24	2	DWF
28211 1998 XJ_{64}	2.59999	0.11	2	DWF
28225 1999 AS	3.06482	0.19	2	DWF
28228*1999 AU_{2}	8.00526	0.46−0.60	3−	DWF
28234 1999 AB_{8}	95.7041	0.24	2	DWF
28240 1999 AP_{21}	19.2633	0.26	2	DWF
28241 1999 AC_{22}	3.27853	0.17	2	DWF
28243 1999 AA_{23}	9.91174	0.42	2	DWF
28244 1999 AL_{31}	3.942	0.09	1	SWF
28259 1999 BY_{27}	>5.18	>0.11		SWF
28267 1999 CH_{10}	3.47	0.18	2	SWF
28269 1999 CQ_{14}	21.0735	0.19	2	DWF
28271 1999 CK_{16}	5.645	0.07−0.17	3−	
28277 Chengherngyi	17.2791	0.15	2	DWF
28281 1999 CT_{29}	19.5275	0.19	2+	
28291 1999 CX_{52}	9.474	0.27	2	DWF
28292*1999 CX_{54}	6.4752	0.34−0.57	3	
28294*1999 CS_{59}	179.783	0.42−0.56	2	SWF
28296 1999 CQ_{63}	16.4808	0.15	2	DWF
28299 Kanghaoyan	4.41582	0.43	2	DWF
28308 1999 CA_{81}	40.0531	0.30	2	DWF
28311 1999 CY_{90}	6.87521	0.42	2	DWF
28324 Davidcampeau	S 10.77855		2 p N	LCI-W
28328 1999 CN_{125}	S 4.345279		2 p N	LCI-W
28333 1999 DW_{1}	31.1415	0.45	2	DWF
28334 1999 DJ_{2}	440.978	0.28	2	DWF
28336 1999 DZ_{4}	23.1497	0.24	2	DWF
28341 Bingaman		>0.45		
28343 1999 FG_{9}	S 10.00444		2 p N	LCI-W
28347 1999 FD_{22}	S 24.2936		2 p N	LCI-W
28352 1999 FF_{31}	14.3141	0.23	2	DWF
28353 Chrisnielsen	3.499	0.10	1	SWF
28354 1999 FV_{33}	4.618	0.22	2	SWF
28358 1999 FW_{48}	6.018	0.31−0.36	2	SWF
28365*1999 GF_{14}	5.33	0.17−0.27	2	SWF
28370 1999 GK_{34}	3.22169	0.33	2	DWF
28371 1999 GG_{39}	4.056	0.66−0.77	2 p	SWF
28372 1999 HU	225.004	0.45	2	DWF
28373 1999 HL_{3}	3.80382	0.26	2	DWF
28378 1999 JN_{24}	S 4.89224		2 p N	LCI-W
28385 1999 JX_{76}	18.7509	0.42	2	DWF
28387 1999 JE_{79}	3.595	0.28	2	SWF
28388 1999 JM_{86}	35.483	0.66	2	SWF
28395 1999 RZ_{42}	5.237	0.37	2	SWF
28396 Eymann	12.548	0.26	2	SWF
28397 Forrestbetton	5.68349	0.25	2	DWF
28399 1999 RY_{136}	10.802	0.46	2	SWF
28402 Matthewkim	12.8312	0.77	2	DWF
28403 1999 TY	154.092	0.67	2	DWF
28406 1999 TB_{100}	126.207	0.24	2	DWF
28409 1999 TQ_{226}	4.26	0.28	2	SWF
28417 Leewei	32.503	0.55	2	SWF
28418 Pornwasu	87.784	0.79	2	SWF
28420 1999 VC_{78}	3.092	0.19	2	SWF
28422*1999 VA_{154}	4.733	0.33−0.53	2	SWF
28428 Ankurvaishnav	4.49	0.18	2	SWF
28431 1999 XO_{136}	15.016	0.35	2	DWF
28434 1999 XL_{176}	27.	0.30	2−	
28438 Venkateswaran	11.417	0.35	2	SWF
28461 2000 AL_{164}	3.44	0.09	1+	
28463 2000 AG_{168}	48.139		2−	SWF
28465 Janesmyth	2.676	0.29	2	SWF
28467 Maurentejamie	6.73991	0.14	2	DWF
28468 Shichangxu	4.595	0.57	2	SWF
28469 2000 BU_{8}	54.0638	0.28	2	DWF
28472 2000 BE_{14}	28.6899	0.55	2	DWF
28473 2000 BF_{15}	17.3517	0.11	2	DWF
28480 Seojinyoung	6.865	0.41	2	SWF
28482 Bauerle	5.31	0.68	2	SWF
28485 Dastidar	>1.78	>0.12		SWF
28489 2000 CN_{58}	11.664	0.38	2	SWF
28492 Marik	3.03272	0.15	2	DWF

Planet	Period	Variation	Note	Survey
28493 Duncan–Lewis	7.696	0.66	2	SWF
28497 2000 CJ_{69}	210.389	0.87	2	SWF
28498 2000 CL_{70}	109.276	0.20	2	DWF
28501 2000 CO_{79}	6.19	0.77	2	SWF
28509 Feddersen	5.04	0.43−0.47	2	SWF
28519 Sweetman	44.961		2−	SWF
28523 2000 DH_{50}	5.19	0.18	2	SWF
28528 2000 DC_{70}	6.00	0.18	2	SWF
28529 2000 DQ_{70}	30.749	0.68	2	SWF
28531 Nikbogdanov	7.62	0.28	1+	SWF
28532 2000 DE_{78}	>2.82	>0.09		SWF
28541 2000 ED_{6}	2.692	0.13	2	SWF
28543 Solis–Gozar	5.303		2−	SWF
28548 2000 EY_{25}	6.068	0.74	2	SWF
28552 2000 EY_{38}	263.244	0.30	2	SWF
28553 Bhupatiraju	3.28	0.15	2+	
28560 2000 EO_{48}	603.702	0.43	2	DWF
28561 2000 EP_{48}	44.647		2−	SWF
28565 2000 EO_{58}	3.83	0.04	1	
28566 2000 EV_{59}	3.14	0.51	3	SWF
28572 Salebreton	6.36	0.25	2+	SWF
28575 McQuaid	S 14.24440		2 p N	LCI-W
28581 2000 ER_{105}	138.172	0.32	2	DWF
28590*2000 EX_{126}	6.253	0.21−0.34	2	SWF
28591 2000 EC_{130}	3.083	0.10	1	SWF
28594*2000 EF_{134}	30.2062	0.38	2 p	DWF
28595 2000 EP_{136}	>10.	>0.15	2−	SWF
28596 2000 EK_{137}	5.24222	0.30	2 A	DWF
28597 2000 ER_{137}	17.2708	0.45	2	DWF
28599 Terenzoni	559.562	0.54	2	DWF
28610 2000 EM_{158}	3.288	0.24	3	
28619 2000 FP_{24}	17.872	0.55	2	SWF
28620 2000 FE_{26}	172.326	0.50	2	DWF
28650 2000 GE_{8}	9.625	0.16−0.80	2+	
28654 Davidcaine	7.656	0.67	2	SWF
28656 Doreencurtin	3.771	0.16	2	SWF
28658 2000 GC_{30}	8.332	0.62	2	SWF
28675 Suejohnston	7.174	0.52−0.56	2 p	SWF
28678 Lindquester	2.516	0.12	2	SWF
28679*2000 GY_{68}	7.822	0.48−0.79	2	SWF
28680 Sandralitvin	187.435	0.56	2	SWF
28694 2000 GJ_{85}	61.3118	0.16	2	DWF
28699 2000 GN_{89}	S 45.4871		2 p N	LCI-W
28702 2000 GH_{91}	39.3294	0.37	2	DWF
28703 2000 GM_{91}	7.41139	0.51	2	DWF
28704 2000 GU_{91}	2.84	0.20	2	
28705 Michaelbecker	3.94665	0.20	2	DWF
28707 Drewbecker	4.47	0.30	2	SWF
28709 2000 GY_{96}	S 49.1825		2 p N	LCI-W
28715 Garimella	4.99	0.44	2	SWF
28735 2000 GX_{125}	5.190	0.61−0.88	2	SWF
28736 2000 GE_{133}	4.658	0.44	3 p	
28753 2000 HA	4.993	1.0 −1.1	3	
28754 2000 HV_{1}	7.0243	0.45	2	DWF
28760 Grantwomble	24.0989	0.25	2	DWF
28761 2000 HU_{12}	6.34830	0.69	3	
28762 2000 HG_{13}	5.582	0.64	2	SWF
28763 2000 HK_{13}	S 35.1458		2 p N	LCI-W
28769 2000 HC_{26}	3.759	0.04	1	SWF
28772 2000 HE_{34}	2.8132	0.24	2	DWF
28774 2000 HO_{36}	6.117	0.79	2	SWF
28775 2000 HE_{37}	20.242	0.21	2	SWF
28788 2000 HW_{57}	3.3905	0.32	2+	
28789 2000 HE_{58}	6.76	0.44	2	SWF
28803 Roe	12.5321	0.56	2	DWF
28811 2000 JX_{9}	13.2	0.35−0.38	3−	SWF
28814 2000 JA_{17}	>3.57	>0.44		SWF
28816 Kimneville			HN	DWF
28830 2000 JY_{30}	23.3563	0.18	2	DWF
28834 2000 JD_{37}	4.342		2−	SWF
28845 2000 JP_{49}	3.636	0.31	2	SWF
28854*Budisteanu	13.951	0.32−0.38	2	SWF
28857 2000 JE_{59}	335.486	0.54	2	SWF
28862 2000 JF_{65}	3.9673	0.24	2	DWF
28872 2000 KF_{6}	270.217	0.68	2	DWF
28876*2000 KL_{31}	210.598	0.38−0.41	2	SWF
28880*2000 KN_{46}	6.249	0.54−0.87	2	SWF
28882 2000 KO_{48}	16.0059	0.31	2	DWF
28884 2000 KA_{54}	25.254	0.59	2	DWF
28885 2000 KH_{56}	3.325	0.58	2	SWF

Planet	Period	Variation	Note	Survey
28887 2000 KQ_{58}	6.8429	0.55	3 p	
28892 2000 LZ_2	11.2575	1.07	3	
28895 2000 LS_9	16.135	0.45	2	SWF
28897 2000 LP_{10}	12.0435	0.38	2	DWF
28904 2000 ML	9.757	0.20	2	SWF
28908 2000 NY_6	S 14.10574		2 p N	LCI-W
28910 2000 NH_{11}	5.971	0.46−0.65	2+ p	
28911*2000 NB_{16}	5.483	0.46−0.54	3	
28913 2000 OT	13.754	0.32−0.44	3−	
28914 2000 OC_{12}	102.299	0.60	2	DWF
28915 2000 OU_{13}			HN	DWF
28923 2000 QJ_{161}	10.6849	0.32	2	DWF
28928 2000 RY_{12}	628.794	0.43	2	DWF
28932 2000 RY_{102}	13.7708	0.15	2	DWF
28942 Yennydieguez	3.39	0.29	2	SWF
28947 2000 WH_{12}	4.235	0.32	2	SWF
28948 Disalvo	>2.02	>0.14		SWF
28954 Feiyiou	S 12.16569		2 p N	LCI-W
28959 2001 DL_{74}	23.99	0.71	2+	
28966 Yuyingshih	141.65	0.44	2	DWF
28967 Gerhardter	4.7239	0.24	2	DWF
28969 2001 HM_{57}	4.28216	0.17	2	DWF
28970 2001 JJ_4	15.185	0.69	2	SWF
28976 2001 KN_{73}	8.752	0.34	2	SWF
28978 Ixion		<0.15		
28982 2001 LJ_{17}	>5.33	>0.21		SWF
28992 2001 MW_{28}	16.6	0.79	2	
29001 2615 P–L	4.30516	0.34	2	DWF
29004 2767 P–L	8.464		2−	SWF
29010 4100 P–L	13.110	0.31	2	SWF
29019 6095 P–L	160.	0.35	1+	SWF
29022 6630 P–L	97.6443	0.22	2	DWF
29027 7587 P–L	6.955	0.61	2	SWF
29029 9549 P–L	4.017	0.23	2	SWF
29030 1034 T–1	14.4283	0.43	2	DWF
29033 2085 T–1	15.00	0.60−0.83	2	SWF
29041 1050 T–2	7.30749	0.19	2	DWF
29048 3069 T–2	59.2375	0.36	2	DWF
29069 4310 T–3	2.88995	0.08	2	DWF
29074 5160 T–3		0.64		SWF
29075 1950 DA	2.1216	0.16−0.20	3 p	
29078 1975 SX_1	8.72623	0.45	2	DWF
29081 Krymradio	4.93	0.58	2	SWF
29109 1981 EO_{28}	67.3945	0.21	2	DWF
29116*1981 ED_{40}	27.187	0.20−0.43	2	SWF
29122 Vasadze	S 63.522		2 p N	LCI-W
29127 1985 FF_2	7.221	0.24	2	SWF
29128 1985 RA_1	5.056	0.18	2	
29132 Bradpitt	8.835	0.32	2	SWF
29133 Vargas	1.94761	0.15	2	DWF
29138 1988 BE_4	542.963	0.50	2	DWF
29140 1988 CG_4	2.990	0.32	2	SWF
29142 1988 CR_7	18.494	0.50	2	SWF
29146 McHone	14.12	0.18	2	SWF
29147 1988 GG	99.	0.80	2+ T	
29149*1988 RE_1	4.151	0.09−0.14	2	SWF
29150 1988 RM_5	20.413	0.41	2	DWF
29153*1988 SY_2	3.492	0.26−0.38	3−	
29158 1989 EE_3	>0.92	>0.22		SWF
29160 1989 SP_1	4.32327	0.54	2	DWF
29161 1989 SF_2	9.82101	0.35	2	DWF
29162 1989 SD_4	6.505	0.05	1	SWF
29165 1989 UK_1	46.1467	0.19	2	DWF
29168 1990 KJ	2.58247	0.13−0.15	3 B?	
29170*1990 OA_3	8.089	0.65−0.87	2 p	SWF
29172 1990 QL_4	53.235	0.41	2	SWF
29173 1990 QW_4	2.47142	0.11	2	DWF
29182 1990 ST_6	33.361	0.49	2	SWF
29186 Lake Tekapo	45.1306	0.30	2	DWF
29194 1990 WJ_4	6.020	0.36−0.67	2	SWF
29196 Dius	D long	0.38		
29201 1991 GO_4	7.80148	0.83	2	DWF
29202 1991 GH_8	10.924	0.16	2	SWF
29206 1991 PX_{10}	21.4125	0.25	2	DWF
29210 Robertbrown	>2.00	>0.59		SWF
29211 1991 RY_{15}	53.751		2	SWF
29218*1992 AY	26.280	0.45−0.59	2	SWF
29219 1992 BJ	12.00	0.09	2	SWF
29231 1992 EG_4	259.524	0.85	2	SWF
29241 1992 GA_5	315.754	0.76	2	DWF
29242 1992 HB_4	3.948	0.56−0.60	3	
29251 1992 UH_4	3.099	0.13−0.20	2+	
29252 Konjikido	6.835	0.80−0.83	2	SWF
29253 1993 DN	47.694		2−	SWF
29254 1993 FR_1	3.51873	0.16	2	DWF
29257 1993 FK_{10}	20.007	0.14	2	DWF
29265*1993 FV_{18}	60.4414	0.70	2 p	DWF
29266 1993 FA_{20}	5.680	0.38	2	SWF
29267 1993 FD_{22}	13.875	0.62	2	SWF
29273 1993 FO_{32}	>1.90	>0.22		SWF
29282 1993 FM_{39}	13.719		2−	SWF
29287 1993 FD_{49}	4.974	0.55	2	SWF
29292 Conniewalker	30.6	0.62−0.63	3− p T+	
29295 1993 OC_{13}	>1.0	>0.09		SWF
29296 1993 PY_5	>48.	>0.9	2 HN	DWF
29297 1993 RU_7	3.096	0.18−0.21	2	SWF
29298 Cruls	5.207	0.16−0.20	3−	
29307 Torbernbergman	109.123	0.42	2	DWF
29308 1993 UF_1	9.810	0.83−1.11	3 p	
29314 Eurydamas	15.035	0.86−1.05	3	
29317 1994 PR_9	S 31.4016		2 p N	LCI-W
29328 Hanshintigers	7.437		2−	SWF
29334 1994 XJ	113.415	0.15	2	DWF
29335 1994 XL	6.96	0.13−0.16	2	SWF
29337 Hakurojo	4.5096	0.38	3	
29343 1995 CK_{10}	63.852	0.62	2 p	SWF
29344 1995 DX	16.2544	0.56	2	DWF
29365 1996 DN_2	12.0348	0.12	2	DWF
29385 1996 JT	5.026	0.44	2	SWF
29388 1996 JD_6	6.798	0.21−0.23	2	SWF
29391 Knight	5.131	0.51	2	SWF
29392 1996 MN_1	20.1439	0.16	2	DWF
29393*1996 NA_3	10.298	0.18−0.27	2	SWF
29396 1996 PM_3	72.7859	0.76	2	DWF
29405 1996 TN_{18}	3.522	0.26	2	SWF
29407 1996 UW	6.23	0.43	2−	SWF
29412 1996 WJ_3	4.3737	0.25	2	DWF
29414 1996 XF_1	283.606	0.84	2	DWF
29423 1997 AF_{22}	5.19	0.33	2	SWF
29435 Mordell	5.828	0.29	2	SWF
29438*1997 MV	144.381	0.22	1	DWF
29450 Tomohiroohno	S 8.97841		2 p N	LCI-W
29453 1997 RU_6	289.211	0.38	2	DWF
29455 1997 SX_1	64.820	0.28	2	SWF
29466 1997 TN_{17}	41.2518	0.36	2	DWF
29470 Higgs	36.31	0.48	2+	
29474 1997 UT_8	2.901	0.09	1	SWF
29475 1997 UF_{11}	8.331	0.53	2	SWF
29477 Zdíkšíma	3.03143	0.25	2	DWF
29480 1997 VO_1	2.643	0.22	2	SWF
29487*1997 VU_8	3.05923	0.53	2 p	DWF
29489 1997 WQ	3.16796	0.24	2	DWF
29492 1997 WP_2	9.92388	0.21	2	DWF
29497 1997 WD_{15}	9.913	0.68	2	SWF
29498 1997 WK_{21}	4.521	0.47	2	SWF
29503 1997 WQ_{38}	16.2656	0.26	2	DWF
29506 1997 XM	5.308	0.28	2	SWF
29508 Bottinelli	6.709	0.78	2	SWF
29510 1997 YF_2	1.58313	0.21	2	DWF
29512 1997 YL_5	4.012	0.34−0.39	2	SWF
29513 1997 YT_5	3.91504	0.33	2	DWF
29514 Karatsu	5.87282	0.17	2	DWF
29515*1997 YL_7	12.231	0.65−0.67	2+	
29516 1997 YO_7	9.86	0.39	2−	SWF
29518 1997 YW_{11}	3.720	0.58	2	SWF
29520 1997 YH_{14}	5.59	0.25	2	SWF
29521 1997 YK_{14}	S 6.20217		2 p N	LCI-W
29534 1998 BP_7	5.670	0.23	2	SWF
29536 1998 BC_{12}	19.768	0.16−0.20	2	SWF
29540 1998 BV_{24}	3.397	0.22	2	SWF
29543 1998 BV_{29}	S 74.571		2 p N	LCI-W
29548 1998 BC_{42}	4.295	0.24−0.26	2	SWF
29550 1998 BE_{44}	14.762	0.32	2	DWF
29551 1998 CH_1	>1.0	>0.08		SWF
29555 MACEK	33.615	0.33	2	SWF
29557 1998 DV_3	72.838	0.40	2	SWF
29564 1998 ED_6	8.434	0.57−0.58	3	
29567 1998 FT_{13}	3.568	0.57	2	SWF
29569 1998 FA_{23}	6.68958	0.28	2	DWF
29579 1998 FV_{54}	41.5498	0.54	2	DWF

Planet	Period	Variation	Note	Survey
29580 1998 FK_{55}	6.840	0.23	2	SWF
29581 1998 FR_{55}	81.2639	0.18	2	DWF
29583 1998 FA_{60}	>5.25	>0.13		SWF
29584 1998 FQ_{60}	9.408	0.20	2	SWF
29588 1998 FM_{71}	7.573	0.61	2	SWF
29594*1998 GK_{8}	9.140	0.20−0.26	2	SWF
29595*1998 HL_{14}	6.418	0.21−0.32	2	SWF
29597 1998 HT_{37}	4.000	0.18	2	SWF
29609 Claudiahuang	66.9574	0.21	2	DWF
29620 Gurbanikaur	10.148	0.58	2	SWF
29628 1998 TX_{30}	5.409	0.49	2 p	SWF
29632 1998 UR_{44}	5.29204	0.36	2	DWF
29634 1998 VB_{3}				SWF
29649 1998 WP_{6}	6.694	0.07	1	SWF
29658 Henrylin	5.046		2−	SWF
29664*1998 WY_{23}	3.016	0.34−0.35	2	SWF
29665*1998 WD_{24}	225.077	0.65	2	DWF
29682 1998 XR_{48}	32.3074	0.58	2	DWF
29683 1998 XO_{50}	2.899	0.25−0.38	3−	SWF
29687 Mohdreza	4.537	0.39	2	SWF
29690 Nistala	8.755	0.18	2	SWF
29697 1998 YR_{1}	10.854	0.23	2	SWF
29701 Peggyhaas	5.9066	0.09	2	DWF
29714 1999 AL_{7}	5.957		2−	SWF
29715 1999 AW_{7}	14.5043	0.06	2	DWF
29716 1999 AY_{7}	153.912	0.59	2	DWF
29718 1999 AH_{18}	19.1906	0.30	2	DWF
29722 1999 AQ_{23}	22.6168	0.16	2	DWF
29729 1999 BY_{1}	4.5279	0.60−0.65	3	
29733 1999 BA_{4}	849.186	0.74	2	SWF
29739 1999 BM_{9}	6.62965	0.53	2	DWF
29742*1999 BQ_{12}	4.3	0.70−0.71	1+	
29743 1999 BM_{15}	72.908	0.59	2	DWF
29750 Chleborad	41.796		2−	SWF
29752 1999 CG_{4}	25.974	0.56	2	SWF
29755 1999 CT_{5}	4.17	0.40	2	SWF
29757*1999 CH_{8}	17.161	0.43−0.53	2	SWF
29758 1999 CN_{8}	5.02807	0.34	2	DWF
29762 Panasiewicz	13.106	0.61	2 p	SWF
29764 Panneerselvam	5.468	0.86	2	SWF
29765 Miparedes	>30.	>0.1	1	SWF
29769 1999 CE_{28}	15.03	0.33	2	
29775 1999 CO_{45}	32.1986	0.22	2	DWF
29776 Radzhabov	4.49	0.35	2	SWF
29777 1999 CK_{46}	3.630	0.45−0.49	2 p	SWF
29780 1999 CJ_{50}	63.50	0.58	3− T0	
29782 1999 CN_{50}	3.52894	0.09	2	DWF
29783 Sanjanarane	3.70	0.14	2	SWF
29786 1999 CO_{57}	13.4846	0.21	2	DWF
29797*1999 CC_{78}	3.266	0.14−0.21	2	SWF
29801 1999 CX_{84}	2.775	0.16	3	
29803 Michaelshao	5.188	0.45−0.56	2	SWF
29804 Idansharon	3.19	0.16	2	SWF
29811 1999 CK_{109}	17.535	0.78	2	SWF
29818 Aryosorayya	14.	>0.3	1	
29819 1999 CD_{128}	3.43141	0.26	2	DWF
29820 1999 CW_{149}	S 49.4811		2 p N	LCI-W
29823 1999 DS_{3}	109.607	0.29	2	DWF
29829 Engels	21.4135	0.21	2	DWF
29832 Steinwehr	55.395	0.57	2	DWF
29834 Mariacallas	4.092		2−	SWF
29835 1999 FW_{1}	6.954	0.26	2	SWF
29838 1999 FA_{7}	6.220	0.45−0.47	2	SWF
29843 1999 FJ_{19}	10.9564	0.42	2	DWF
29847 1999 FC_{24}	13.845	0.89	2	SWF
29854 1999 FK_{27}	19.4156	0.16	2	DWF
29857 1999 FS_{28}	4.136		2−	SWF
29863 1999 FC_{43}	19.312	0.62	2 p	SWF
29866 1999 FR_{46}	58.382		2−	SWF
29868 1999 FB_{56}	6.75938	0.19	2	DWF
29874 Rogerculver	38.68	0.39	2	DWF
29876 1999 GR_{16}	4.11773	0.29	2	DWF
29877*1999 GL_{17}	6.361	0.36−0.54	2	SWF
29887 1999 GN_{34}	S 3.239488		2 p N	LCI-W
29889*1999 GN_{36}	5.381	0.61−0.65	2	SWF
29890 1999 GH_{37}	189.596	0.59	2	SWF
29891*1999 GQ_{37}	6.836	0.23−0.33	2	SWF
29892 1999 GS_{37}	6.10347	0.22	2	DWF
29900 1999 HP_{5}	6.99515	0.33	2	DWF
29903 1999 HP_{9}	13.292	0.25	2	SWF
29906 1999 HF_{12}	S 13.61084		2 p N	LCI-W
29912 1999 JQ_{10}	20.402	0.43	2	SWF
29913 1999 JO_{12}	5.62	0.30	1	SWF
29914 1999 JH_{15}	8.66232	0.42	2	DWF
29915 1999 JG_{18}	3.7	0.46	1	
29917 1999 JP_{19}	3.656	0.50	2	SWF
29919 1999 JD_{23}	S 9.26738		2 p N	LCI-W
29920 1999 JB_{26}	116.098	0.28	2	DWF
29921 1999 JE_{26}	3.903	0.39	2	SWF
29923 1999 JE_{28}	17.9	0.09	2−	SWF
29924 1999 JN_{28}	7.06063	0.30	2	DWF
29928 1999 JX_{35}	2.95087	0.36	2	DWF
29930 1999 JT_{41}	1.29628	0.06	2	DWF
29934*1999 JL_{46}	11.402	0.20−0.30	3−	
29943 1999 JZ_{78}	11.7536	0.11	2	DWF
29945 1999 JU_{83}	5.26184	0.28	2	DWF
29946*1999 JZ_{83}	8.483	0.23−0.31	2	SWF
29951*1999 JH_{86}	8.574	0.15−0.19	2	SWF
29952 Varghese	4.44157	0.42	2	DWF
29953 1999 JW_{86}	8.54	1.25	2+	SWF
29955 1999 JE_{90}	3.98	0.17−0.24	2	SWF
29956*1999 JF_{91}	12.619	0.37−0.41	2	SWF
29958 1999 JY_{91}	5.95	1.02	2	SWF
29961 1999 JB_{99}	45.5412	0.22	2	DWF
29962 1999 JA_{100}	296.925	0.77	2	DWF
29967 1999 JN_{104}	4.219	0.18	2	SWF
29968 1999 JE_{106}	4.47415	0.21	2	DWF
29981 1999 TD_{10}	15.382	0.41−0.65	3	
29983 Amyxu	14.156	0.50	2	SWF
29994 Zuoyu	46.1716	0.22	2	DWF
29997 2000 AE_{127}	20.038	0.43	2	SWF
30000 Camenzind	38.5087	0.18	2	DWF
30006 2000 CB_{30}	3.82	0.55	2−	SWF
30016 2000 CA_{95}	2.5857	0.11	3	
30017 Shaundatta	2.6	0.23	2	
30019 2000 DD	5.4741	0.06−0.16	3	
30025 Benfreed		0.58		SWF
30028 Yushihomma	2.54	0.25	1+	SWF
30072 2000 EP_{93}	S 6.08136		2 p N	LCI-W
30074*2000 EY_{96}	54.8466	0.17	1 1	DWF
30075 2000 EC_{97}	41.5	>0.2	2−	SWF
30078 2000 EB_{104}	3.78307	0.15	2	DWF
30080 2000 EQ_{105}	48.0385	0.26	2	DWF
30081 Zarinrahman	11.943		2−	SWF
30087 2000 EL_{122}	345.505	0.41	2	DWF
30092 2000 EB_{135}			HN	DWF
30099 2000 EG_{151}	4.67809	0.15	2	DWF
30102 2000 FC_{1}	23.95	0.50	2	
30105 2000 FO_{3}	7.272	0.45	3	
30111 Wendyslijk	16.968	0.63−0.69	2	SWF
30116 2000 FA_{36}	2.5857	0.11	3	
30126 Haviland	14.2471	0.17	2	DWF
30129 Virmani	7.73017	0.20	2	DWF
30136 Bakerfranke	2.90664	0.24	2	DWF
30141 Nelvenzon	20.735	0.45	2	SWF
30143 2000 GU_{29}	34.4662	0.12	2	DWF
30166 Leodeng	10.2189	0.63	2	DWF
30168 Linusfreyer	5.68	0.21	2	SWF
30179 Movva	6.079	0.21	2	SWF
30183 Murali	613.038	1.97	2	DWF
30184 Okasinski	47.609		2−	SWF
30185 2000 GT_{95}		0.18	N	
30195 Akdemir	26.8665	0.17	2	DWF
30214 2000 GS_{125}	8.23	0.53	3−	SWF
30216 Summerjohnson	56.8338	0.17	2	DWF
30220 2000 GP_{126}	3.3670	0.50−0.58	3	
30221 LeDonne	S 41.0563		2 p N	LCI-W
30229 2000 GL_{142}	50.4773	0.34	2	DWF
30230 2000 GP_{142}	57.5018	0.29	2	DWF
30249 Zamora	9.401		2−	SWF
30251 Ashkin	5.60	0.74	2	
30262*2000 HP_{41}	21.860	0.35−0.46	2	SWF
30263 2000 HR_{41}	6.97626	0.43	2	DWF
30267 Raghuvanshi	5.391	0.09	1	SWF
30287 2000 HK_{62}	10.689	0.55	2	SWF
30291 2000 HL_{71}	14.9203	0.22	2	DWF
30295 Anvitagupta	41.0102	0.21	2	DWF
30301*Kuditipudi	3.3513	0.60	2	
30302 Kritilall	9.1923	0.56	2	DWF
30304 2000 HZ_{103}	16.5027	0.14	2	DWF

Planet	Period	Variation	Note	Survey
30305 Severi	32.643	0.57	2	SWF
30307 Marcelriesz	S 6.51171		2 p N	LCI-W
30308 Ienli	>1.77	>0.10		SWF
30311 2000 JS_{10}	2.266	0.06−0.16	3−	
30317 2000 JR_{15}	23.9938	0.17	2	DWF
30320 2000 JP_{17}	1.47	0.28	2	SWF
30323 Anyam	3.29679	0.08	2	DWF
30325 Reesabpathak	33.958	0.29	2	SWF
30327 Prembabu	4.424	0.56	2	SWF
30329 2000 JR_{23}	28.4	0.95	2+ H	DWF
30333 Stevenwang	3.42625	0.18	2	DWF
30338 2000 JW_{29}	40.185	0.46	2	SWF
30343 2000 JB_{36}	7.56	0.16	2	SWF
30345 2000 JN_{36}	12.2361	0.27	2	DWF
30360 2000 JY_{50}	4.45228	0.13	2	DWF
30366 2000 JC_{57}	5.261	0.27	2	SWF
30368 Ericferrante	255.83	0.30	2	DWF
30372 Halback	2.877	0.07	1	SWF
30375 Kathuang	4.646	0.54−0.60	2	SWF
30376 2000 JE_{65}	81.9255	0.62	2	DWF
30377 2000 JL_{66}	109.7	0.49	2	DWF
30379 2000 JY_{69}	18.614	0.52	2	SWF
30380 2000 JE_{76}	12.309		2	SWF
30381 2000 JN_{76}	29.5712	0.25	2	DWF
30382 2000 JB_{81}	4.253	0.40	2	SWF
30383 2000 KZ_{1}	803.261	0.46	2	DWF
30385 2000 KG_{8}	4.430	0.09	1	SWF
30393 2000 KN_{30}	9.83276	0.10	2	DWF
30398 2000 KM_{41}	9.66366	0.74	2	DWF
30408 2000 KW_{55}	S 3.846427		2 p N	LCI-W
30419 2000 LU	4.259	0.23	2	SWF
30423 2000 LG_{4}	6.53138	0.27	2	DWF
30424 2000 LS_{4}	2.63424	0.18	2	DWF
30427 2000 LX_{8}	24.	0.1	1	SWF
30431 Michaeltran	90.014	1.08	2	SWF
30432 2000 LM_{20}		0.7	N	
30436 2000 LC_{29}	7.658	0.42	2	SWF
30441 Curly	6.939	0.27	2	SWF
30450 2000 NM_{20}	12.9599	0.44	2	DWF
30453 2000 NQ_{25}	3.48412	0.12	2	DWF
30455 2000 NB_{27}	7.87	0.32	2	SWF
30457 2000 OZ_{3}	4.04968	0.80	2	DWF
30458 2000 OC_{6}	4.10106	0.62	2	DWF
30463 2000 OE_{11}	6.41351	0.33	2	DWF
30467 2000 OV_{14}	5.941	0.56−0.60	2	SWF
30470 2000 OR_{19}	23.02	0.73	2	SWF
30476*2000 OY_{34}	3.467	0.23−0.34	2	SWF
30480 2000 OH_{40}	3.171	0.09	1	SWF
30481 2000 OX_{40}	10.9335	0.23	2	DWF
30483 2000 OG_{52}	13.894	0.25−0.26	2	SWF
30491 2000 QJ_{38}	3.60	0.12	2	SWF
30496 2000 QN_{80}	141.873	0.26	2	DWF
30497 2000 QH_{97}	312.345	0.60	2	DWF
30503 2000 RW_{79}	7.47524	0.05	2	DWF
30506*2000 RO_{85}	7.985	0.28−0.29	2	SWF
30517*2001 LJ_{15}	7.41001	0.59	2 p	DWF
30535 2001 OR_{5}	2.9697	0.12	3 B?	
30537 2001 OR_{8}	8.55219	0.22	2	DWF
30542 2001 OG_{23}	5.360	0.22	2	SWF
30550 2001 OH_{47}	11.6468	0.58	2 A	DWF
30567 2001 OR_{90}	3.62	0.33	2	SWF
30570*2001 OO_{96}	4.587	0.34−0.71	2	SWF
30572 2001 OE_{98}	2.97061	0.13	2	DWF
30575 2001 OM_{101}	183.99	0.22	2	DWF
30576 2001 OC_{103}	69.2607	0.42	2	DWF
30577 2001 OU_{103}	S 60.046		2 p N	LCI-W
30581 2001 PY_{2}	2.973	0.33	2	SWF
30583 2001 PZ_{6}	5.207	0.80	2	SWF
30585 2001 PE_{14}	3.00	0.35	1	SWF
30591 2001 QG_{10}	172.363	0.83	2	SWF
30594 2001 QD_{30}	4.712	0.30	2	SWF
30596 Amdeans	S 23.1340		2 p N	LCI-W
30598 2001 QA_{117}	8.709	0.10	1	SWF
30613 2678 *P–L*	10.13	0.4	2 A	
30627 4269 *P–L*	16.7237	0.22	2	DWF
30637 6196 *P–L*	52.1446	0.23	2	DWF
30639 6246 *P–L*	2.78	0.29	2	SWF
30650*7638 *P–L*	6.784	0.41−0.51	2	SWF
30657 3258 *T–1*	S 8.36123		2 p N	LCI-W
30667 1177 *T–2*	27.9295	0.66	2	DWF
30670 1283 *T–2*	10.4	1.2	2 p	SWF
30682 3209 *T–2*	48.3087	0.83	2	DWF
30693 5069 *T–2*	19.450	0.84	2	SWF
30705 Idaios	15.736	0.22−0.45	3	
30716 5107 *T–3*	10.1399	0.45	2	DWF
30720 1969 *GB*	12.0638	0.56	2	DWF
30723 1978 RU_{8}	60.9182	0.22	2	DWF
30724 Peterburgtrista	6.004	0.31	2	SWF
30729 1980 *TA*	6.31361	0.61	2	DWF
30731 1981 EK_{2}	8.499	0.75	2	SWF
30734 1981 ES_{3}	3.776	0.59	2 p	SWF
30749 1981 ER_{26}	91.9974	0.50	2	DWF
30762 1981 ES_{42}	16.4	0.18−0.24	2	
30768 1983 *YK*	20.2269	0.17	2	DWF
30769 1984 ST_{2}		0.07	N	
30770 1984 SL_{4}	5.	0.42	2	
30772 1986 RJ_{1}	7.994	0.49−0.52	2	SWF
30776 1987 *QY*	5.8	0.21	2	
30780 1988 CA_{2}	5.09	0.10	1	SWF
30781 1988 CR_{2}	5.823	0.56−0.70	3	
30782 1988 CC_{4}	2.99762	0.20	2	DWF
30784 1988 *PO*	5.29755	0.47	2	DWF
30790 1988 RT_{11}	5.129	0.42	2	SWF
30794 1988 TR_{1}	112.731	0.28	2	DWF
30795 1989 AR_{5}	29.598	0.59	2	DWF
30800*1989 *ST*	2.740	0.12−0.14	2	SWF
30803 1989 SG_{14}	3.404	0.47	2	SWF
30810 1990 *FM*	82.2591	0.48	2	DWF
30814 1990 *QW*	5.557		2	SWF
30821 Chernetenko	17.603		2	SWF
30823*1990 SY_{15}	4.43471	0.10	1	DWF
30825 1990 TG_{1}	2.62428	0.11	3	
30832 Urbaincreve	2.75952	0.24	2	DWF
30843*1991 JK_{1}	2.859	0.28−0.34	2	SWF
30856 1991 *XE*	5.353	0.70−1.23	3	
30862 1992 DF_{10}	72.9614	0.52	2	DWF
30867 1992 EL_{9}	4.69112	0.51	2	DWF
30877 1992 ES_{30}	5.93366	0.27	2	DWF
30878 1992 *GQ*	3.655	0.22	3−	
30882 Tomhenning	9.91871	0.55	2	DWF
30886 1992 WJ_{1}	344.741	0.25	2	DWF
30887 1992 WL_{2}	8.83405	0.35	2	DWF
30888 Okitsumisaki	7.975	0.24	2	SWF
30891*1993 FV_{14}	12.244	0.38−0.47	2	SWF
30893 1993 FD_{19}	65.0028	0.53	2	DWF
30895 1993 FH_{23}	S 23.9522		2 p N	LCI-W
30922 1993 OE_{13}	6.4901	0.31	2	DWF
30923 1993 QU_{4}	9.31612	0.49	2	DWF
30926 1993 TL_{13}	25.9664	0.19	2	DWF
30928 Jefferson	5.841	0.23	2	SWF
30932 1993 UO_{5}	16.617	0.24	2	DWF
30935 Davasobel	3.9769	0.60	3	
30939 Samaritaine	10.3393	0.36	2	DWF
30942 Helicaon	44.77	0.18	2	
30945 1994 GW_{9}	4.38	0.52	2	SWF
30947 1994 *JW*	17.0185	0.73	2	DWF
30948 1994 *PU*	46.894		2	SWF
30952 1994 PX_{15}	8.89	0.44	2+	SWF
30958 1994 TV_{3}	5.811	0.67−0.85	3	
30961 1994 VD_{1}	6.28867	0.77	2	DWF
30965 1994 *XW*	2.41777	0.05	2	DWF
30967 1994 XX_{4}	4.527		2	SWF
30971 1995 *DJ*	32.00	0.68	2	SWF
30974 1995 *EL*	11.3835	0.42	2	DWF
30981 1995 SJ_{4}	2.951	0.14	3−	
30982 1995 SP_{5}	58.104		2−	SWF
30984 1995 SW_{19}			HN	DWF
30988 1995 SE_{36}	6.76	0.56	2−	SWF
30990 1995 ST_{48}	4.61	0.21	1	SWF
31001 1995 VG_{14}	4.832	0.30	2	SWF
31006 1995 *XC*	353.721	0.66	2	DWF
31013 1996 *DR*	280.	0.5	2− T0	
31017 1996 EH_{2}	3.9	0.45	2	
31019 1996 EH_{10}	2.461	0.27	2	SWF
31021 1996 FW_{1}	19.20	0.68	2	SWF
31022 1996 FJ_{9}	15.60	0.24	1 DA	SWF
31036 1996 HM_{25}	3.968	0.23	2	SWF
31041 1996 *KD*	4.076		2−	SWF
31048 1996 PO_{9}	4.042	0.34	2	SWF
31050 1996 RA_{2}	41.970	0.42	2	SWF

Planet	Period	Variation	Note	Survey
31052 1996 RC_5	3.566		2−	SWF
31053 1996 RD_5	37.9054	0.15	2	DWF
31056 1996 RK_{25}	14.4647	0.42	2	DWF
31060 1996 TB_6	5.103	0.79−0.80	3 p	
31068 1996 TT_{54}	110.815	0.64	2	SWF
31069 1996 UM_1	3.23	0.33	2	SWF
31070 1996 VX_9	4.61122	0.17	2	DWF
31076 1996 XH_1	350.	0.17	2 AT0	
31077 1996 XZ_2	198.977	0.38	2	DWF
31081 1996 XO_{13}	3.20641	0.27	2	DWF
31087 Oirase	22.4915	0.28	2	DWF
31088 1997 BV	3.282	0.47	2+	
31091*1997 BE_9	128.444	0.71−0.77	2	SWF
31093 1997 CE_{28}	7.078		2	SWF
31095 Buneiou	3.484	0.18	2	SWF
31097 Nucciomula		1.33	I	
31098 Frankhill	50.04	0.44	2	
31101 1997 NM_1	10.0	0.93	2	SWF
31105 Oguniyamagata	5.91084	0.82	2	DWF
31106 1997 PU_2	10.816	0.23	2	DWF
31108 1997 PW_3	13.237	0.87	2	SWF
31109 Janpalouš S	5.146452		2 p N	LCI-W
31115 1997 QF_4	48.156		2−	SWF
31129 Langyatai	3.163	0.61	2	SWF
31136 1997 SN_{31}	3.174	0.35	2	SWF
31150 1997 UT_{20}	>1.13	>0.16		SWF
31152 Daishinsai	3.194	0.14	2	SWF
31154 1997 VJ	2.78419	0.13	2	DWF
31158 1997 WE_3	4.55	0.19	2	SWF
31168 1997 WM_{49}	81.488	0.18	2	DWF
31170*1997 WO_{58}	19.191	0.34	2	
31173 1997 XF_1	122.8	0.67	2+ T0	
31177 1997 XH_{11}	323.355	0.49	2	SWF
31179 Gongju	4.829	0.80	3	
31180 1997 YX_3	15.6	0.25	2	
31182 1997 YZ_3	380.	0.62−0.90	2 T0	
31185 1997 YK_5	16.1414	0.10	2	DWF
31186 1997 YQ_5	2.55067	0.43	2	DWF
31189 Tricomi	4.896	1.04	2	SWF
31190*Toussaint	12.355	0.15−0.16	2	SWF
31192 Aigoual	4.329	0.56	2	SWF
31201 Michellegrand S	7.08206		2 p N	LCI-W
31205 1998 BW	20.907	0.66	2 p	SWF
31210 1998 BX_7	6.379	0.21	3	
31211 1998 BW_8	3.697	0.47	2	SWF
31221*1998 BP_{26}	2.407	0.07−0.14	3−	
31223 1998 BJ_{30}	25.925	0.67	2	SWF
31225 1998 BH_{35}	8.23426	0.15	2	DWF
31227 1998 BC_{41}		>0.05		
31228 1998 BR_{45}	5.546	0.68	2	SWF
31230 Tuyouyou	7.37631	0.32	2	DWF
31231 Uthmann	16.9	0.14	2−	
31232 Slavonice	6.295	0.45	2	SWF
31234 Bea	3.56	0.18	2	SWF
31235 1998 CE_3	24.7498	0.15	2	DWF
31236 1998 CC_4	115.256	0.18	2	DWF
31237 1998 CY_4	2.28	0.20	2	SWF
31239 Michaeljames S	2.980232		2 p N	LCI-W
31246 1998 DZ_{12}	65.1397	0.40	2	DWF
31248 1998 DH_{13}	92.3805	0.32	2	DWF
31249 Renéefleming	3.34	0.12	2−	SWF
31257 1998 DG_{35}	7.66308	0.63	2 p	DWF
31271 Nallino	19.104		2	SWF
31273 1998 FY_{23}	3.35212	0.14	2	DWF
31274 1998 FE_{24}	6.89625	0.31	2	DWF
31288 1998 FZ_{59} S	40.2038		2 p N	LCI-W
31291 Yaoyue	3.62	0.12	2	SWF
31297 1998 FZ_{74}	6.49885	0.62	2	DWF
31302 1998 FT_{95}	3.78875	0.15	2	DWF
31304 1998 FE_{103}	22.4473	0.16	2	DWF
31306 1998 FZ_{104}	3.99072	0.32	2	DWF
31308 1998 FK_{113}	252.677	0.35	2	DWF
31317 1998 GL_8	72.8575	0.62	2	DWF
31319 Vespucci	8.883	0.19	2	DWF
31320 1998 HX_2	2.8149	0.16	3 B?	
31327 1998 HM_{34}	24.1642	0.18	2	DWF
31330 1998 HB_{84}	69.1354	0.27	2	DWF
31332 1998 HC_{101}	7.17	0.29−0.31	2	SWF
31339 1998 KY_{30}	5.48421	0.32	2	DWF
31341 1998 KH_{55}	3.007	0.22	2	SWF
31343 1998 NT	13.303	0.55	2	SWF
31344 Agathon	42.392	0.63	2	SWF
31345 1998 PG	2.5163	0.05−0.11	2 B	
31348 1998 QF_{92}	21.6037	0.16	2	DWF
31354 1998 TR_3	35.36	0.18	2+	
31366 1998 WF_8	6.952		2−	SWF
31368 1998 WW_{23}	14.860	0.21	3	
31373 1998 XN_{12}	6.56858	0.14	2	DWF
31379 1998 XX_{51}	44.2164	0.33	2	DWF
31383 1998 XJ_{94}	4.1678	0.58	3 p	
31386 1998 YG_1	8.082	0.55	2	SWF
31387 Lehoucq	2.74123	0.09	2	DWF
31388 1998 YL_2	4.254	0.26	2	SWF
31396 1998 YQ_{12}	5.54434	0.20	2	DWF
31399 1998 YF_{30}	359.054	0.40	2	SWF
31402 Negishi	9.686	0.08	2	SWF
31407 1999 AP_4	16.8025	0.08	2	DWF
31409 1999 AB_5	15.9462	0.15	2	DWF
31416*Peteworden	2.609	0.38−0.46	2	SWF
31420 1999 BV	38.862	0.60	2	SWF
31425 1999 BF_3	3.8	0.03−0.11	1+	
31427 1999 BS_5	5.347	0.60−0.61	2	SWF
31429*Diegoazzaro	36.900	0.38−0.46	2	SWF
31430 1999 BX_8 S	54.870		2 p N	LCI-W
31431 Cabibbo	7.610	0.41	2	SWF
31448 1999 CO_8	3.546	0.63	2	SWF
31449 1999 CO_9	6.54638	0.35	2	DWF
31450 Stevepreston	3.4116	0.24−0.31	3 B	
31459 1999 CB_{17} S	22.4134		2 p N	LCI-W
31463 Michalgeci	24.836	0.21	2	DWF
31472*1999 CT_{36}	16.6241	0.24	2	DWF
31474 Advaithanand	6.24743	0.35	2	DWF
31485 1999 CM_{51}	6.001	0.59−0.68	3 p	
31486 1999 CR_{52}	146.221	0.70	2	DWF
31487 Parthchopra	3.867	0.27	2 N	
31495 Sarahgalvin	>9.	>0.05	N	
31503 Jessicahong	39.5945	0.34	2	DWF
31504 Jaisonjain	94.878		2−	SWF
31517 Mahoui	>3.37	>0.07		SWF
31518 1999 CG_{103}	15.1763	0.36	2	DWF
31521 1999 CT_{106}	3.622	0.08	1	SWF
31537 1999 DZ	18.0813	0.25	2	DWF
31544 1999 DZ_5	2.714	0.40	2	SWF
31546 1999 DP_6	14.8008	0.13	2	DWF
31547 1999 DT_6	11.52	0.18	1	
31554*1999 EJ_2	30.339	0.10−0.15	2	SWF
31560*1999 EQ_{14}	2.9511	0.06−0.19	2+	
31564 1999 FF_9	13.4457	0.06	2	DWF
31570 1999 FG_{19}	3.514	0.30	2	SWF
31577 1999 FO_{27}	13.3418	0.29	2	DWF
31580 Bridgetoei	>1.90	>0.15		SWF
31587 1999 FQ_{32} S	9.93292		2 p N	LCI-W
31592 Jacobplaut	242.2	0.58	2	DWF
31599 Chloesherry	17.9163	0.05	2	DWF
31601 1999 GF	2.797	0.10	2	SWF
31603 1999 GQ_3	3.566	0.26−0.34	2	SWF
31604 1999 GH_4 S	13.10092		2 p N	LCI-W
31608 1999 GR_5	10.0173	0.43	2	DWF
31610 1999 GC_6	5.506	0.43	2 p	SWF
31613 1999 GO_8			HN	DWF
31615 1999 GF_{16}	2.707	0.15	2	SWF
31620 1999 GB_{19}	109.605	0.17	2	DWF
31623*1999 GK_{20}	23.238	0.45−0.59	2	SWF
31626 1999 GV_{20}	13.184	0.12	2	SWF
31628 Vorperian	4.484	0.4	2	
31633 Almonte	4.17	0.60	3	SWF
31641 Cevasco	2.656	0.48−0.71	2	SWF
31643 Natashachugh	6.655		2−	SWF
31648 1999 GL_{53}	3.475	0.84	2 p	SWF
31650 Frýdek–Místek	2.88	0.19	1 N	
31651 1999 HH_2	7.30965	0.21	2	DWF
31652 1999 HS_2	2.93	0.50	2	SWF
31658 1999 HU_8	38.4458	0.17	2	DWF
31659 1999 HT_{10}	27.4527	0.38	2	DWF
31663 1999 JG_2	25.5086	0.18	2	DWF
31667 1999 JL_3	7.305	0.24	2	
31668 1999 JX_3	11.71	0.29−0.42	2	SWF
31669 1999 JT_6	5.807	0.07−0.27	3	
31670 1999 JL_7	5.48513	0.43	2	DWF
31674 1999 JD_9	6.943	0.54	2	SWF

Planet	Period	Variation	Note	Survey
31691 1999 JO_{30}	5.32061	0.33	2	DWF
31694 1999 JO_{32}	18.8129	0.33	2	DWF
31695 1999 JQ_{32}	85.5481	0.12	2	DWF
31697 Isaiahoneal	3.752	0.46	2	SWF
31698 Nikolaiortiz	4.38	0.58	2	SWF
31699 1999 JA_{36}	6.618	0.59	2	SWF
31703 1999 JZ_{43}	3.57084	0.58	2	DWF
31710 1999 JC_{52}	S 6.89750		2 p N	LCI-W
31716 Matoonder	4.573	0.22−0.23	2	SWF
31723 1999 JT_{61}	8.231	0.21−0.26	3−	
31729 Scharmen	18.953	0.30	2	SWF
31730 1999 JV_{70}	307.037	0.73	2	DWF
31733 1999 JP_{71}	34.849	0.21	2	DWF
31737 Carriecoombs	6.93	0.50−0.55	2	SWF
31738 1999 JC_{77}	11.768	0.35	2	SWF
31748 1999 JG_{83}	16.4917	0.40	2	DWF
31749 1999 JV_{83}	8.75701	0.42	2	DWF
31750 1999 JQ_{84}	14.1227	0.28	2	DWF
31751*1999 JF_{85}	8.988	0.29−0.38	2	SWF
31753 1999 JL_{94}	S 14.6636		2 p N	LCI-W
31755 1999 JA_{96}	S 17.8605		2 p N	LCI-W
31758 1999 JQ_{99}	19.1203	0.32	2	DWF
31759*1999 JT_{99}	41.246	0.07−0.29	2	SWF
31762 1999 JB_{104}	466.468	0.38	2	DWF
31773 1999 JL_{121}	3.433	0.22	2	SWF
31774 Debralas	3.17	0.27	2	SWF
31775 1999 JN_{122}	4.319	0.10−0.12	3−	
31782 1999 KM_{6}	3.226	0.43	3−	
31786 1999 KO_{13}	4.821	0.21	2	SWF
31787 Darcylawson	138.622	0.56	2	DWF
31793 1999 LB_{6}	27.95	0.28	3	
31796 1999 LS_{15}	19.9417	0.17	2	DWF
31797 1999 LN_{16}	102.863	0.71	2	DWF
31798 1999 LY_{16}	6.002	0.74	2	SWF
31799 1999 LN_{23}	16.686	0.03	2	DWF
31805 1999 NN_{5}	9.31876	0.23	2	DWF
31808 1999 NR_{34}	3.9639	0.23	2	DWF
31813 1999 RF_{41}	18.097	1.20	3−	
31816*1999 RZ_{117}	3.258	0.34−0.40	2	SWF
31817 1999 RK_{134}	9.856	0.20−0.25	3−	
31818 1999 RM_{135}	5.36	0.51	2	SWF
31819 1999 RS_{150}	34.7506	0.21	2	DWF
31824 Elatus	26.82	0.10	2	
31827 1999 VJ_{13}	12.28	0.05	2−	
31830 1999 XT_{59}	3.649	0.39	2	SWF
31831 1999 YL	3.36	0.12	2−	
31832 2000 AP_{59}	64.	0.8	2 T	
31834 2000 AL_{142}	7.540	0.10	1	SWF
31838 Angelarob	74.153	0.17	2	DWF
31847 2000 DQ_{96}	19.347	0.64	2	SWF
31848 Mikemattei	5.10683	0.32	2	DWF
31850*2000 EB_{22}	31.1	0.17−0.20	2+	
31862 Garfinkle	5.716	0.55−0.62	2	SWF
31867 2000 EG_{94}	4.846	0.22−0.31	3−	
31868 2000 EO_{97}	8.10526	0.90	2	DWF
31881 2000 FL_{15}	4.16	0.21−0.27	2	
31888 Polizzi	5.13	0.26−0.27	2	SWF
31891 2000 FR_{42}	14.152	0.32	2	SWF
31897 Brooksdasilva	57.293	0.43	2	DWF
31898 2000 GC_{1}	17.2	0.07	1	
31907 Wongsumming	3.786	0.15	2− H	DWF
31939 Thananon	>20.	>0.03	1	SWF
31947 2000 GO_{109}	3.809	0.07−0.10	2	
31951 Alexisallen	6.40742	0.20	2	DWF
31956 Wald	8.90	0.45	2+	
31959 Keianacave	5.15089	0.59	2	DWF
31961 2000 GJ_{142}	7.341	0.56	2	SWF
31970 2000 HD_{9}	22.085	0.58	2	SWF
31975 Johndean	S 5.77116		2 p N	LCI-W
31978 Jeremyphilip	3.42	0.27	2	SWF
31987 2000 HN_{28}	19.141	0.71−0.97	2	SWF
31993 2000 HL_{37}	15.686	0.10	1	SWF
31995 2000 HX_{40}	6.40	0.48	3−	SWF
32004 2000 HR_{51}	2.22	0.16	2	SWF
32008 Adriángalád	3.0171	0.19	3 B	
32011 2000 HF_{56}	6.382	0.66−0.87	2	SWF
32017 2000 HC_{77}	21.379	0.10	1	SWF
32020 2000 HZ_{87}	8.36374	0.22	2	DWF
32023 2000 HO_{89}	>4.35	>0.20		SWF
32026 2000 HQ_{90}	8.37436	0.93	2	DWF
32030 2000 JX_{14}	6.099	0.82	2	SWF
32036 2000 JP_{19}	4.77531	0.31	2	DWF
32039 2000 JO_{23}	3.2990	0.05	2 B	
32042 2000 JZ_{26}	5.086	0.08	1	SWF
32050 2000 JA_{37}	8.57	0.25	2	SWF
32054 Musunuri	36.6731	0.25	2	DWF
32060 Wyattpontius	3.10	0.23	2	SWF
32063 Pusapaty	4.955	0.35	2	SWF
32068 2000 JE_{58}	2.054	0.53	2	SWF
32075 2000 JU_{66}	37.8818	0.41	2	DWF
32080 Sanashareef	>0.87	>0.54		SWF
32089 Wojtania	6.630	0.67−0.70	2	SWF
32099 2000 KA_{48}	389.266	0.61	2	DWF
32100 2000 KU_{48}	>1.78	>0.22		SWF
32103 2000 KF_{52}	S 4.96536		2 p N	LCI-W
32110 2000 KA_{73}	11.5477	0.45	2	DWF
32116 2000 LD_{4}	>8.		N	
32132 Andrewamini	4.68215	0.58	2	DWF
32134 2000 LQ_{17}	10.514	0.26	2	SWF
32137 2000 LM_{19}	7.069	0.56	2	SWF
32141 2000 LB_{24}	8.123	0.30	2	SWF
32145 Katberman	9.170	0.70−0.85	2	SWF
32150 2000 LJ_{31}	104.939	0.20	2	DWF
32151 2000 LX_{31}	20.	0.20	1 D	SWF
32166 2000 NN_{6}	4.412	0.51	2	SWF
32172 2000 NB_{11}	6.86	0.96	2	SWF
32190 2000 NM_{26}	7.19161	0.42	2	DWF
32194 2000 NY_{27}	33.0306	0.43	2	DWF
32198 2000 OK_{1}	10.1282	0.33	2	DWF
32199 2000 ON_{2}	5.214	0.09	1	SWF
32202 2000 OA_{3}	37.495	0.65	2	SWF
32208 Johnpercy	5.086	0.75	2	SWF
32209*2000 OW_{9}	4.559	0.21−0.32	3−	
32212 2000 OV_{11}	6.729	0.55	2	SWF
32215 2000 OG_{16}	8.00	0.73−0.90	2	SWF
32217 Beverlyge	16.432	0.38	2	SWF
32218 2000 OE_{19}	2.61	0.23	2	SWF
32219 2000 OU_{20}	7.172	0.18	2	SWF
32226 Vikulgupta	2.57	0.34−0.35	2	SWF
32227*2000 OM_{25}	69.6468	0.82	2 p	DWF
32230 2000 OP_{27}	11.8627	0.23	2	DWF
32232 2000 OU_{27}	5.68	0.19−0.36	2+	SWF
32233 Georgehou	4.78426	0.29	2	DWF
32238 2000 ON_{37}	24.6019	0.18	2	DWF
32239 2000 OB_{39}	4.769	0.59	2	SWF
32249 2000 OM_{45}	6.12409	0.29	2	DWF
32251 2000 OH_{50}	3.39232	0.25	2	DWF
32254 2000 OR_{51}	5.433	0.31−0.33	2	SWF
32257 2000 OW_{52}	11.413	0.20	2 A	
32259 2000 OT_{53}	3.690	0.34	2	SWF
32260 2000 OG_{57}	5.13432	0.48	2	DWF
32262 2000 OA_{60}	10.11	1.12	2	SWF
32264 Cathjesslai	4.58	0.64	2	SWF
32268 2000 PX_{1}	10.2558	0.24	2	DWF
32281 Shreyamenon	13.15	0.37	2	SWF
32282 Arnoldmong	95.	0.3	1	SWF
32286 2000 PS_{24}	S 4.994138		2 p N	LCI-W
32289 2000 QR_{4}	3.90365	0.21	2	DWF
32290 2000 QH_{5}	3.590	0.27−0.28	2	SWF
32295 Ravichandran	88.2301	0.20	2	DWF
32296 Aninsayana	>5.40	>0.30		SWF
32298 Kunalshroff	>4.35	>0.08		SWF
32302 Mayavarma	29.2515	0.09	2	DWF
32312 2000 QT_{38}	19.1582	0.27	2	DWF
32329 2000 QJ_{64}	3.836	0.40	3	
32338 2000 QS_{87}	34.3112	0.23	2	DWF
32339 2000 QA_{88}	9.778	0.63−0.71	2	SWF
32348 2000 QL_{103}	44.1924	0.66	2	DWF
32354 2000 QN_{119}	3.93	0.18	2	SWF
32358*2000 QS_{124}	21.82	0.28−0.39	2	SWF
32359 2000 QZ_{128}	8.647	0.27	2	SWF
32366 2000 QA_{142}	S 5.40165		2 p N	LCI-W
32370 2000 QY_{151}	D long		1+	
32378 2000 QB_{173}	5.382	0.45	2	SWF
32385 2000 QU_{191}	5.31716	0.32	2	DWF
32387 D′Egidio	116.032	0.57	2	DWF
32395 2000 QV_{213}	15.349	0.60	2	SWF
32400 2000 QK_{220}	S 6.57818		2 p N	LCI-W
32407 2000 RT_{1}	4.867	0.20	2	SWF
32412 2000 RW_{25}	3.838	0.15	2	SWF

Planet	Period	Variation	Note	Survey
32413 2000 RR_{26}	1.37227	0.14	2	DWF
32414 2000 RT_{29}	33.253	0.68	2	SWF
32416 2000 RS_{31}	10.6074	0.22	2	DWF
32417 2000 RK_{32}	18.276	0.40	2	DWF
32422*2000 RO_{42}	3.557	0.30−0.38	2	SWF
32423*2000 RO_{43}	18.248	0.37−0.44	2	SWF
32433 2000 RF_{92}	4.47	0.15	2	SWF
32435*2000 RZ_{96}	18.606	0.28−0.32	2	SWF
32441 2000 RO_{100}	4.03	0.36	2+	
32445 2000 RC_{104}	7.661	0.33−0.36	2	SWF
32448 2000 SD_{12}	8.35	0.64	2−	SWF
32460*2000 SY_{92}	49.66	0.22−0.24	3−	
32462 Janmitchener	30.971		2−	SWF
32470 2000 SD_{190}	233.722	0.35	2	DWF
32479*2000 SL_{312}	9.22921	0.09	1+	DWF
32482 2000 ST_{354}	5.67	0.16	3−	
32483 2000 SM_{362}	10.821	0.69	2 p	SWF
32490 2000 UU_{27}	3.16602	0.08	2	DWF
32491 2000 UU_{107}	9.18477	0.16	2	DWF
32495 2000 WT_{171}	17.203	0.17	2	SWF
32496 2000 WX_{182}	23.34	0.19	3−	
32497 2000 XF_{18}	S 24.578		2 p N	LCI-W
32505 2001 KF_{17}	4.58	0.41−0.50	3−	
32506 2001 KP_{30}	4.818	0.72	2	SWF
32507 2001 LR_{15}	S 8.26802		2 p N	LCI-W
32510 2001 NS	>5.33	>0.14		SWF
32518 2001 OZ_{69}	3.20	0.47	2+	SWF
32522 Judiepersons	3.62	0.26−0.27	2	SWF
32523*2001 OY_{82}	2.942	0.11−0.36	2	SWF
32526*2001 OD_{98}	3.890	0.27−0.35	2	SWF
32532 Thereus	8.335	0.16−0.38	3	
32534 2001 PL_{37}	155.461	0.45	2	SWF
32535 2001 PZ_{40}	6.695	0.73	2	SWF
32539 2001 PD_{59}	276.307	0.67	2	SWF
32540 2001 PN_{62}	3.72096	0.17	2	DWF
32546 2001 QE_{14}	5.046	0.37	2	SWF
32553 2001 QC_{27}	4.00	0.26−0.36	2	SWF
32565 2001 QC_{69}	12.339	0.18	2	DWF
32575 2001 QY_{78}	4.5344	0.86	3 p	
32577 2001 QC_{87}	227.283	0.98	2	DWF
32586*2001 QQ_{116}	20.875	0.35−0.50	2	SWF
32587 2001 QO_{117}	3.146	0.06	1	SWF
32588 2001 QD_{124}	S 27.4754		2 p N	LCI-W
32591 2001 QV_{134}	3.78982	0.57	2	DWF
32600*2001 QF_{173}	7.855	0.72−0.87	2	SWF
32602*2001 QE_{185}	5.928	0.18−0.26	2	SWF
32615 2001 QU_{277}	6.712	0.36	3	
32618 Leungkamcheung	3.077	0.32	2	SWF
32626 2001 RX_{64}	6.23	0.43	3−	
32627 2001 RO_{69}	S 41.9397		2 p N	LCI-W
32632 2001 RS_{75}	6.673	0.27	2	SWF
32637 2021 $P–L$	5.90316	0.24	2	DWF
32647 3109 $P–L$	25.4216	0.17	2	DWF
32648 3538 $P–L$	9.934	0.56	2	SWF
32649 4056 $P–L$	>4.35	>0.17		SWF
32650 4070 $P–L$	2.520	0.38	2	SWF
32678*7566 $P–L$	6.985	0.20−0.29	2	SWF
32686 2072 $T–1$	7.16	0.61	3−	SWF
32687 3166 $T–1$	5.15693	0.48	2	DWF
32705 2157 $T–2$	98.	0.5	1	SWF
32708 3160 $T–2$	2.86096	0.35	2	DWF
32712 4135 $T–2$	24.8266	1.10	2	DWF
32720 Simoeisios	8.951	0.37	2	SWF
32727 4268 $T–3$	46.217	0.33	2	DWF
32731 Annaivanovna	53.0849	0.21	2	DWF
32734 Kryukov	16.55	0.37	2	SWF
32750 1981 EG_{9}	100.	0.6	1	
32753 1981 EB_{14}	15.	0.60	2−	
32755 1981 EP_{15}	10.07	0.15	1	
32772 1986 JL	6.047	0.14−0.69	3	
32776*Nriag	3.985	0.42−0.60	3 p	
32777 1987 QF_{1}	6.373	0.38	2	SWF
32798 1990 OA_{2}	10.509	0.64	2	SWF
32799 1990 QN_{1}	S 9.49636		2 p N	LCI-W
32800 1990 QC_{19}	3.709	0.14−0.17	3	
32802 1990 SK	2.427	0.12	3−	
32804 1990 SO_{2}	5.31891	0.11	2	DWF
32814 1990 XZ	2.8509	0.09−0.15	3 p	
32819 1991 PM_{15}			HN	DWF
32827 1992 DF_{1}	10.3931	0.07	2	DWF
32828 1992 DM_{8}	68.2349	0.31	2	DWF
32835 1992 EO_{5}	185.881	0.44	2	DWF
32837 1992 EK_{7}	S 23.0986		2 p N	LCI-W
32838 1992 EL_{8}	7.90092	0.63	2	DWF
32842 1992 EO_{13}	79.3	0.75	2−	SWF
32856*1992 SA_{25}	13.507	0.13−0.40	3	
32858 Kitakamigawa	S 4.008341		2 p N	LCI-W
32861 1993 FM_{7}	86.890	0.08	1	SWF
32868 1993 FM_{25}		1.04		SWF
32869 1993 FW_{26}	34.0211	0.23	2	DWF
32873 1993 FS_{37}	4.639	0.54	2	SWF
32882 1993 RW_{6}	3.07	0.23	2−	SWF
32890*Schwob	7.930	0.53−0.67	3−	
32891 Amatrice	11.7099	0.20	2	DWF
32895*1994 JL_{5}	19.5998	0.21−0.24	1	DWF
32897 Curtharris	3.05409	0.21	3	
32904 1994 PU_{24}	>5.48	>0.21		SWF
32906 1994 RH	2.569	0.12	3−	
32910 1994 TE_{15}	5.5596	0.14−0.20	3	
32911 Cervara	33.3558	0.24	2	DWF
32914 1995 AG_{1}	26.349		2−	SWF
32925 1995 KF	2.77627	0.04	2	DWF
32928 Xiejialin	38.9	0.56	2 T0	
32929 1995 QY_{9}	7.0	0.6	2 A	
32942 1995 UD_{7}	50.0434	0.20	2	DWF
32947 1995 YH_{2}	4.395	0.71	2	SWF
32949 1996 AR_{3}	3.92	0.12	2	SWF
32953 1996 GF_{19}	4.329	0.13	2	
32960 1996 NO_{4}	3.142	0.16	2	SWF
32966 1996 PE_{5}	3.50	0.32	2	SWF
32967 1996 PG_{7}	214.936	0.79	2	DWF
32986 1996 XQ_{6}	8.181	0.23	2	SWF
32990 Sayo–hime	4.788	0.50	2	SWF
32992 1997 AN_{3}	7.688	0.67	2	SWF
32994 1997 AT_{21}	29.3623	0.25	2 A3	DWF
32996 1997 CV	8.857	0.79−0.87	2	SWF
33003 1997 EJ	50.8304	0.51	2	DWF
33017 Wronski	3.765	0.26	2	SWF
33018*1997 HT_{5}	7.907	0.30−0.42	2	SWF
33022 1997 NN	52.9467	0.66	2	DWF
33031 1997 RX	8.372	0.43	2	SWF
33046 1997 UF_{2}	2.67219	0.09	2+	
33050 1997 UR_{6}	5.93	0.59	2	SWF
33054 1997 UU_{14}	81.345	0.70	2	SWF
33067 1997 WJ	813.43	0.44	2	DWF
33084 1997 WX_{49}	2.98	0.27	2	SWF
33091 1997 XO_{12}	5.90463	0.25	2	DWF
33092 1997 YR_{1}	4.52305	0.07	2	DWF
33097 1997 YB_{7}	11.419	0.32−0.35	2	SWF
33098 1997 YG_{7}	4.75417	0.35	2	DWF
33102 1997 YJ_{11}	14.660	0.34	2	SWF
33107 1997 YL_{16}	5.173	0.28	3	
33108 1997 YJ_{18}	155.	0.4	1+	SWF
33111 1998 BL	13.583	0.38	2	DWF
33112 1998 BL_{1}	4.14558	0.24	2	DWF
33116 1998 BO_{12}	6.345	0.34−0.38	3− p	
33119 1998 BE_{15}	3.34036	0.17	2	DWF
33121 1998 BR_{15}	6.280	0.74−0.80	2	SWF
33123 1998 BG_{31}	136.773	0.41	2	DWF
33125 1998 BU_{33}			HN	DWF
33126 1998 BB_{34}	7.27	0.29	2	SWF
33127 1998 BO_{46}	30.910	0.54	2	SWF
33128 1998 BU_{48}	12.6	0.68	2 A	
33131 1998 CW_{3}	S 8.34994		2 p N	LCI-W
33132 1998 CD_{4}	2.64364	0.86	2	DWF
33143 1998 DJ_{7}	11.65	0.27	2+	
33150 1998 DN_{10}	5.33	0.14	1 1	SWF
33151 1998 DY_{11}	5.68598	0.23	2 A	DWF
33155 1998 DD_{17}	4.4777	0.20	2	DWF
33157 Pertile	15.4937	0.40	2	DWF
33159 1998 DQ_{33}	14.341	0.44	2	SWF
33165 Joschhambsch	17.754	0.40−0.41	2	SWF
33167 1998 EJ_{9}	2.98103	0.19	2	DWF
33181 Aalokpatwa	S 7.38092		2 p N	LCI-W
33186 1998 FR_{34}	21.145	0.24	2	DWF
33197 Charlallen	6.736	0.32−0.34	2	SWF
33203 1998 FA_{57}	3.0	0.26	2−	
33206 1998 FB_{60}	S 54.518		2 p N	LCI-W
33212 1998 FG_{76}	13.199		2−	SWF
33214 1998 FP_{90}	15.977	0.31	2	SWF

Planet	Period	Variation	Note	Survey
33216 1998 FW_{96}	2.78671	0.08	2	DWF
33217*Bonnybasu	2.79	0.16−0.21	2	SWF
33218 1998 FO_{106}	S 12.43206		2 p N	LCI-W
33229 1998 FC_{124}	>5.		N	
33234 1998 GL_{7}	7.7097	0.54	2	DWF
33236 1998 GV_{8}	35.4042	0.31	2	DWF
33242 1998 HR_{6}	>0.92	>0.15		SWF
33259 1998 HL_{39}	4.31	0.60	3	
33260 1998 HJ_{43}	165.621	0.23	2	DWF
33265 1998 HC_{63}	3.62	0.21	2	SWF
33271 1998 HS_{101}	3.36285	0.33	2	DWF
33272*1998 HC_{102}	5.867	0.42−0.62	2	SWF
33277 1998 HO_{119}	6.299	0.66	2	SWF
33292 1998 KT_{26}	15.0182	0.29	2	DWF
33294 1998 KM_{35}	13.0722	0.42	2	DWF
33295 1998 KV_{40}	101.321	0.90−0.98	2	SWF
33296 1998 KN_{42}	3.147	0.18	2	SWF
33297 1998 KW_{44}	15.5444	0.39	2	DWF
33300 1998 KP_{45}	19.1885	0.57	2	DWF
33301 1998 KH_{47}	26.8221	0.16	2	DWF
33305*1998 KQ_{50}	20.410	0.20−0.50	2	SWF
33307*1998 KX_{52}	6.973	0.23−0.41	2	SWF
33310 1998 KF_{54}	5.00667	0.29	2	DWF
33313*1998 KJ_{60}	105.009	0.50−0.62	2	SWF
33319 Kunqu	105.	0.9	2+ T?	
33324 1998 QE_{56}	6.183	0.62−0.86	3	
33325*1998 RH_{3}	3.355	0.49−0.57	3	
33327 1998 RV_{4}	176.865	0.37	2	DWF
33329 Stefanwan	3.45	0.21	2	SWF
33331 1998 SY_{21}	3.65	0.38	2+	SWF
33334 Turon	8.88313	0.41	2	DWF
33340 1998 VG_{44}		<0.10		
33341 1998 WA_{5}	204.	0.57	3− T-	
33342 1998 WT_{24}	3.697	0.19−0.65	3 p	
33343 Madorobin	6.21	0.15	1	SWF
33345 Nataliedessay	13.7429	0.15	2	DWF
33346 Sabinedevieilhe	9.74421	0.28	2	DWF
33356 1999 AM_{3}	37.59	0.92	3− T-	
33358 1999 AD_{8}	5.996	0.63	2	SWF
33362 1999 BP_{1}	4.258	0.44	2	SWF
33364 1999 BX_{5}	13.638		2−	SWF
33366 1999 BF_{7}	83.272	0.37	2	DWF
33372 Jonathanchung	>24.	>0.15	2− D	SWF
33380*1999 CC_{33}	13.1521	0.24	2−	DWF
33381 1999 CD_{33}	26.0057	0.34	2	DWF
33385 1999 CY_{46}	9.85768	0.14	2	DWF
33391 1999 CN_{51}	2.46	0.14	1	SWF
33395 Dylanli	47.847		2−	SWF
33402 Canizares	11.1665	0.33	2	DWF
33404 1999 CT_{73}	15.655	0.57	2	SWF
33412 Arjunsubra	S 11.21794		2 p N	LCI-W
33426 1999 DR_{2}	82.5997	0.28	2	DWF
33429 1999 DL_{4}	24.783	0.25	2	DWF
33439 1999 FF_{18}	38.4591	0.12	2	DWF
33440 1999 FR_{18}	3.745	0.67	2	SWF
33442 1999 FW_{18}	4.92	0.26	1 1	SWF
33454 Neilclaffey	9.37211	0.14	2	DWF
33463 Bettinagregg	6.090		2−	SWF
33474 1999 FB_{51}	19.762	0.29	2	SWF
33476 Gilanareiss	S 6.74189		2 p N	LCI-W
33478 Deniselivon	5.108	0.63	2	SWF
33479 1999 GO	7.766		2−	SWF
33480 Bartolucci	565.13	0.49	2	DWF
33489 1999 GF_{9}	6.74	0.97	3− p	
33492 Christirogers	10.291		2−	SWF
33493 1999 GX_{17}	4.00317	0.16	2	DWF
33494 1999 GZ_{17}	4.47319	0.41	2	DWF
33497 1999 GD_{19}	114.023	0.63	2	DWF
33517 Paulfoltin	11.844	0.48	2	SWF
33521 1999 GK_{40}	86.892	0.30	2	DWF
33531 1999 HG_{2}	8.911	0.58−0.62	2	SWF
33532 Gabriellacoli	6.792	0.82	2	SWF
33535 Alshaikh	S 6.08403	0.72	2 p N	LCI-W
33539 Elenaberman	9.135	0.50	2	SWF
33543 1999 JR_{8}	82.	0.60	2	SWF
33548*1999 JC_{13}	3.97	0.32−0.33	2	
33556 Brennanclark	3.86	0.12	2+	SWF
33558 1999 JN_{22}	9.67	0.72	2	SWF
33563 1999 JV_{24}	14.264	0.44	2	SWF
33566 1999 JZ_{25}	S 73.368		2 p N	LCI-W
33577 1999 JX_{33}	5.533	0.21	2	SWF
33579 1999 JC_{35}	21.290	0.39−0.41	2	SWF
33581 Rajeevjha	2.66433	0.19	2	DWF
33598 Christineliu	3.69646	0.29	2	DWF
33599 Mckennaloop	7.947		2−	SWF
33600 Davidlu	16.105		2−	SWF
33601 1999 JO_{51}	35.5981	0.25	2	DWF
33605 McCue	46.3092	0.26	2	DWF
33612 1999 JZ_{62}	6.557	0.69	2	SWF
33614 Meganploch	11.7042	0.15	2	DWF
33615 1999 JB_{64}	87.9569	0.39	2	DWF
33619 Dominickrowan	4.377	0.27	2	SWF
33634 Strickler	2.93932	0.30	2	DWF
33639 1999 JB_{81}	2.956	0.63	2	SWF
33640 1999 JT_{81}	5.60691	0.50	2	DWF
33641 1999 JZ_{81}	129.805	0.32	2	DWF
33645 1999 JW_{82}	116.225	0.36	2	DWF
33646 1999 JX_{82}	3.33	0.08	2+	
33657 1999 JP_{89}	5.03	0.21	2	SWF
33659 1999 JM_{91}	10.97	0.38	2	SWF
33663 1999 JT_{92}	167.665	0.50	2	DWF
33664 1999 JK_{93}	6.72691	0.63	2	DWF
33665 1999 JR_{93}	>10.	>0.4	1	
33666 1999 JO_{94}	S 11.78290		2 p N	LCI-W
33670 1999 JB_{98}	3.026	0.45	2	SWF
33674 1999 JT_{100}	13.977	0.14	2	DWF
33675 1999 JW_{100}	35.2102	0.22	2	DWF
33677 Truell	61.9366	0.19	2	DWF
33679 1999 JY_{107}	>12.	>0.15	2	
33682 Waylonreid	4.904	0.55	2	SWF
33684 Xiaomichael	5.87	0.66	2−	
33697 1999 KJ_{11}	4.8877	0.28	2	DWF
33699 Jessiegan	124.044	0.33	2	SWF
33709 1999 LK_{10}	3.06046	0.22	2	DWF
33710 1999 LC_{14}	10.5447	0.22	2	DWF
33715 1999 LP_{25}	12.5259	0.27	2	DWF
33716 1999 LF_{26}	34.6318	0.13	2	DWF
33725 Robertkent	24.7314	0.28	2	DWF
33726 1999 NJ_{9}	4.56	0.12	1+	
33727 Kummel	15.0494	0.54	2	DWF
33732 1999 NC_{32}	4.89795	0.61	2	DWF
33736 1999 NY_{36}	211.	0.4	2 T?	
33741 1999 NB_{50}	6.155	0.27−0.28	2	SWF
33743 1999 NC_{55}	50.5337	0.49	2	DWF
33745 1999 NW_{61}	2.88235	0.19	2	DWF
33749 1999 QO	7.831	0.37	2	SWF
33750 Davehiggins	8.827	0.20−0.25	3	
33757 1999 RB_{52}	41.067		2	SWF
33759 1999 RR_{57}	9.29188	0.48	2	DWF
33764 1999 RM_{92}	7.04	0.36−0.39	2	SWF
33776 1999 RB_{158}	S 16.9593		2 p N	LCI-W
33777 1999 RM_{158}	10.337		2−	SWF
33778 1999 RO_{160}	5.295	0.24−0.26	2	SWF
33784 1999 RE_{187}	28.9327	0.50	2 A	DWF
33785 1999 RD_{192}	7.126	0.29	2	SWF
33788 1999 RL_{240}	54.669	0.57	2	SWF
33790 1999 SA_{9}	3.179	0.17	2	SWF
33791 1999 SG_{17}	5.358	0.56	2	SWF
33795 1999 TR_{6}	8.32972	0.17	2	DWF
33804 1999 WL_{4}	41.601		2−	SWF
33811 Scottobin	55.9472	0.62	2	DWF
33813*1999 XH_{177}	11.750	0.47−0.65	2	SWF
33816 2000 AL_{42}	193.	0.12	2− AT0	
33818 2000 AK_{97}	7.2795	0.29	2	
33820 2000 AB_{141}	S 5.20006		2 p N	LCI-W
33843 2000 GP_{127}	30.2012	0.47	2	DWF
33844 2000 GQ_{133}	6.139	1.00	2	SWF
33854 2000 HH_{53}	S 4.423484		2 p N	LCI-W
33860 2000 HZ_{86}	4.9362	0.34	2	DWF
33862 2000 HS_{99}	3.715	0.29	2	SWF
33864 2000 JP_{12}	>1.13	>0.10		SWF
33869 Brunnermatt	48.6838	0.33	2	DWF
33872 Kristichung	13.4728	0.27	2	DWF
33873 2000 JS_{52}	3.612	0.28	2	SWF
33891 2000 KS_{24}	4.261	0.24	2	SWF
33896 2000 KL_{40}	23.8	0.26	2	
33903 2000 KH_{68}	14.40	0.16	3−	
33904 Janardhanan	29.1082	0.20	2	DWF
33908 2000 LL_{6}	5.91	0.25	3	
33910 Lestarge	79.959	0.58	2	SWF

Planet	Period	Variation	Note	Survey
33911 2000 LM_{11}	32.9954	0.23	2	DWF
33912 Melissanoland	25.1439	0.06	2	DWF
33913 2000 LK_{14}	S 4.93124		2 p N	LCI-W
33915 2000 LA_{15}	3.09637	0.31	2	DWF
33916*2000 LF_{19}	4.4099	0.28−0.41	3	
33933 2000 LE_{29}	2.447	0.35−0.46	2	SWF
33934 2000 LA_{30}	5.2	0.30	2−	SWF
33956*2000 NN_{3}	3.22	0.18−0.30	3	SWF
33957 2000 NG_{5}	10.244	0.11	2	SWF
33966 2000 NC_{11}	196.382	0.29	2	DWF
33969 2000 NM_{13}	3.41406	0.20	2	DWF
33974 2000 ND_{17}	S 4.67868		2 p N	LCI-W
33981 2000 NH_{22}	2.816	0.19	2+	
33982 2000 NQ_{23}	4.228	0.33−0.42	3	
33989 2000 NC_{27}	21.872	0.39	2	SWF
33993 2000 OS	19.500	0.34	2	SWF
34005 2000 OY_{7}	16.9725	0.24	2	DWF
34030 Tabuchi			HN	DWF
34032 2000 OC_{27}	5.09298	0.53	2	DWF
34035 2000 OV_{27}	>10.		N	
34036 2000 OX_{27}	14.143	0.90	3−	
34037 2000 OZ_{27}	2.57413	0.11	2	DWF
34045 2000 OD_{34}	287.260	0.23	2	SWF
34052 2000 OL_{37}	7.86576	0.66	2	DWF
34055 2000 OU_{41}	28.4922	0.15	2	DWF
34057 2000 ON_{44}	7.391	0.80	2	SWF
34064 2000 OK_{51}	3.902	0.63	2 p	SWF
34065 2000 OD_{52}	9.6115	0.17	2	DWF
34070 2000 OK_{57}	140.596	0.61	2	DWF
34078 2000 PF			HN	DWF
34087 2000 PA_{7}	4.169	0.53	2	SWF
34093 2000 PP_{11}	S 4.91912		2 p N	LCI-W
34094 2000 PV_{11}	9.42348	0.38	2	DWF
34095 2000 PW_{11}	4.598	0.53	2 p	SWF
34102 Shawnzhang	4.646	0.50	2	SWF
34110 2000 PX_{24}	14.194	0.73	2	SWF
34111*2000 PZ_{24}	58.5	0.22−0.41	2−	
34115 2000 PV_{26}	3.60851	0.31	2	DWF
34116 2000 PW_{26}	23.263	0.28	2	DWF
34118 2000 PC_{27}	9.180	0.18	2	SWF
34119 2000 PY_{27}	5.27391	0.34	2	DWF
34120 2000 PL_{28}	48.1787	0.29	2	DWF
34121 2000 PJ_{29}	11.5227	0.26	2	DWF
34125 2000 QZ	41.731		2−	SWF
34126 2000 QA_{1}	3.54	0.16	2	SWF
34131 2000 QY_{3}	2.32495	0.29	2 1	DWF
34137 Lonnielinda	9.3	0.52−0.77	3−	SWF
34138 Frasso Sabino	17.3695	0.23	2	DWF
34146 2000 QH_{16}	2.79186	0.21	2	DWF
34154 Anushkanair	6.606	0.54−0.72	2	SWF
34155 2000 QJ_{22}	3.0084	0.10	2+	
34156 Gopalakrishnan	104.945	0.18	2	DWF
34173*2000 QY_{37}	3.521	0.19−0.33	2+	
34174 2000 QP_{38}	9.03329	0.55	2	DWF
34175 Joshuadong	9.904	0.09	1	SWF
34180 Jessicayoung	2.96	0.32	2	SWF
34183 Yeshdoctor	5.90	0.24	2	SWF
34189 Ambatipudi	9.629	0.21	2	SWF
34192 Sappington	9.240	0.24	2	SWF
34205 Mizerak	53.746	0.13	2	DWF
34214 2000 QA_{72}	23.6619	0.23	2	DWF
34217 2000 QA_{78}	7.314	0.24−0.28	2	SWF
34226 2000 QM_{88}	3.25	0.22−0.26	2	SWF
34232 2000 QL_{94}	6.78	0.86	2	SWF
34240 Charleyhutch	15.7481	0.24	2	DWF
34242 2000 QD_{100}	5.385	0.62	2	SWF
34245 Andrewkomo	165.205	0.42	2	DWF
34257 2000 QU_{116}	8.74827	0.39	2	DWF
34260 2000 QG_{120}	5.3	0.43	2−	
34285 Dorothydady	13.466	0.44	2	SWF
34290*2000 QQ_{150}	5.55003	0.45	2 p	DWF
34291 2000 QS_{150}	542.875	0.80	2	DWF
34294*Taylordufford	3.247	0.14−0.19	2	SWF
34301 2000 QO_{171}	43.032	0.42	2	SWF
34314 Jasonlee	120.584	0.18	2	DWF
34316 Christineleo	12.6224	0.24	2	DWF
34318 2000 QV_{192}	S 6.35105		2 p N	LCI-W
34319 Neilmilburn	8.57	0.57	2	SWF
34321 Russellmotter	43.6299	0.37	2	DWF
34322 Marknandor	72.585	0.58	2	SWF

Planet	Period	Variation	Note	Survey
34331 2000 QH_{209}	5.39	0.18	1+	SWF
34345 2000 RY			HN	DWF
34346 2000 RJ_{1}	9.24	0.42	1 D	SWF
34347 2000 RN_{1}	17.104	0.22	2	SWF
34360 2000 RS_{28}	403.207	0.68	2	DWF
34361 2000 RT_{28}	7.07451	0.46	2	DWF
34362 2000 RK_{30}	176.394	0.35	2	DWF
34368 2000 RA_{41}	S 8.88082		2 p N	LCI-W
34369 2000 RA_{42}	5.72525	0.38	2	DWF
34370 2000 RY_{42}	6.81993	0.48	2	DWF
34371 2000 RC_{43}	31.8171	0.40	2	DWF
34378 2000 RV_{54}	36.1928	0.20	2	DWF
34383 2000 RH_{56}	8.58412	0.26	2	DWF
34384 2000 RW_{61}	4.003	0.44	2 p	SWF
34389 2000 RJ_{65}	2.83	0.26	2	SWF
34391 2000 RX_{67}	>5.40	>0.07		SWF
34402 2000 RW_{84}	71.8	0.43	2 N	SWF
34413 2000 RS_{101}	68.4756	0.40	2	DWF
34414 2000 RQ_{103}	27.9144	0.19	2	DWF
34419 Corning	3.05276	0.23	2	DWF
34421 2000 SA_{12}	5.599	0.24−0.33	2	SWF
34426 2000 SS_{22}	6.40	0.73−0.82	2	SWF
34427 2000 SN_{23}	3.175	0.22	2	SWF
34428 2000 SA_{27}	7.77557	0.24	2	DWF
34434 2000 SE_{39}	8.9218	0.81	2	DWF
34440 2000 SV_{46}	7.859	0.54	2	SWF
34442 2000 SS_{64}	5.3325	0.83−0.84	3	
34444 2000 SW_{73}	37.0285	0.20	2	DWF
34449 2000 SJ_{79}	13.52	0.93	1+ DA	SWF
34450 2000 SZ_{80}	S 5.123550		2 p N	LCI-W
34459*2000 SC_{91}	2.781	0.14−0.15	3−	
34460 2000 SV_{91}	81.3176	0.75	2	DWF
34469 2000 SM_{110}	6.036	0.63	2	SWF
34484 2000 SR_{124}	6.174	0.80	2+ p	
34488 2000 SO_{135}	5.117	0.44	2	SWF
34491 2000 SB_{138}	47.9425	0.37	2	DWF
34493 2000 SR_{139}	5.27271	0.31	2	DWF
34494 2000 SE_{144}	>0.97	>0.24		SWF
34499 2000 SL_{150}	S 9.02586		2 p N	LCI-W
34501 2000 SC_{155}	3.00334	0.04	2	DWF
34502*2000 SE_{157}	4.71	0.05−0.06	2	
34509 2000 SH_{175}	8.59562	0.11	2	DWF
34511 2000 SK_{175}	4.710	0.50	2	SWF
34529 2000 SD_{212}	3.71	0.60−0.65	3− p	
34531 2000 SY_{212}	>1.78	>0.23		SWF
34535 2000 SR_{220}	7.813	0.35	2	SWF
34546*2000 SG_{234}	57.7744	0.15	2+	DWF
34549 2000 SA_{238}	4.674	0.41	2	SWF
34551 2000 SJ_{242}	22.677	0.62	2	SWF
34557 2000 SE_{270}	80.550	0.49	2	SWF
34563 2000 SS_{290}	38.317	0.26	2	SWF
34565 2000 SY_{292}	16.555	0.11	2	SWF
34572*2000 SY_{310}	6.64	0.57−0.60	3	
34575 2000 SH_{327}	8.42	0.16	2	SWF
34584 2000 SX_{351}	10.6332	0.25	2	DWF
34587 2000 SA_{357}	3.032	0.16−0.17	2	SWF
34591 2000 TB_{15}	7.402	0.52	2	SWF
34606 2000 UT	21.586	0.50	2	SWF
34610 2000 UV_{9}	33.933	0.20	2	SWF
34613*2000 UR_{13}	10.87	0.10	2−	
34615 2000 UQ_{27}	12.3524	0.22	2	DWF
34620 2000 UX_{54}	8.49434	0.21	2	DWF
34621 2000 UR_{55}	6.220	0.61	2	SWF
34623 2000 US_{59}	9.97676	0.45	2	DWF
34628 2000 UA_{99}	6.902	0.57	2	SWF
34632 2000 UY_{109}	3.8891	0.35	2	DWF
34634 2000 VQ_{17}	238.913	0.45	2	DWF
34638 2000 VV_{54}	4.78593	0.27	2	DWF
34642 2000 WN_{2}	7.374	0.13	2−	
34656 2000 WL_{152}	11.6536	0.23	2	DWF
34670 2000 YL_{11}	12.3175	0.39	2	DWF
34681*2001 BB_{22}	9.637	0.31−0.41	2	SWF
34685 2001 EE_{12}	32.8391	0.15	2	DWF
34688 2001 FG_{119}	6.19	0.44	2	SWF
34694 2001 MK_{18}	4.4626	0.43	3	
34698 2001 OD_{22}	107.786	0.11	2	DWF
34702 2001 OW_{62}	6.555		2−	SWF
34706 2001 OP_{83}	2.5946	0.13−0.16	3 B	
34715 2001 PO_{12}	13.446	0.50−0.54	2	SWF
34719 2001 PW_{47}	40.5793	0.73	2	DWF

Planet	Period	Variation	Note	Survey
34724 2001 QM_{18}	5.08722	0.32	2	DWF
34726 2001 QA_{25}	15.47	0.35−0.61	2	
34728 2001 QM_{30}	5.179	0.57	2	SWF
34734 2001 QS_{64}	3.60	0.35−0.38	2	SWF
34735 2001 QA_{69}	3.843	0.06	1	SWF
34739 2001 QO_{75}	11.345	0.21	2	SWF
34742 2001 QD_{79}	8.81	0.30	2	
34746 2001 QE_{91}	19.633	0.56	3	
34747 2001 QC_{92}	5.54885	0.21	2	DWF
34754 2001 QG_{111}	16.4373	0.06	2	DWF
34759 2001 QL_{151}	12.219	0.28	3−	
34771 2001 QO_{252}	6.	0.30	2 D	SWF
34773 2001 QL_{260}	3.65088	0.24	2	DWF
34777 2001 RH	7.4947	0.36−0.40	3	
34781 2001 RK_{63}	11.280	0.25	2	SWF
34794 2001 SS_{25}	10.589	0.35−0.54	2	SWF
34803 2001 SW_{63}	8.864	0.27	2	SWF
34804 2001 SP_{67}	102.643	0.41	2	DWF
34806 2001 SJ_{69}	14.8647	0.15	2	DWF
34807 2001 SQ_{72}	115.268	0.79	2	DWF
34817 Shiominemoto	6.382	0.75−0.87	3 p	
34824 2001 SY_{156}	6.229	0.13−0.15	2	SWF
34832 2001 SU_{234}	5.05	0.81	2	SWF
34839 2001 SL_{263}	16.966	0.57	2	SWF
34843 2001 SZ_{276}	3.093	0.30	2	SWF
34846 2001 SY_{281}	9.7498	0.16	2	DWF
34849 2001 SG_{288}	6.86746	0.44	2 A	DWF
34850 2001 TL_{8}	25.212	0.53	2	SWF
34853 2001 TK_{16}	15.8606	0.20	2	DWF
34854 Paquifrutos	40.5741	0.24	2	DWF
34855 2001 TT_{30}	106.302	0.35	2	DWF
34863 2001 TP_{107}	111.134	0.57	2	DWF
34868 2001 TB_{136}	7.65201	0.54	2	DWF
34875 2001 US_{22}	5.41333	0.29	2	DWF
34880 2001 UN_{45}	4.898	0.64	2	SWF
34895 2026 P–L	5.893	0.76	2	SWF
34898 2622 P–L	8.457		2−	SWF
34907 3527 P–L	16.4478	0.13	2	DWF
34911 4288 P–L	3.69455	0.15	2	DWF
34946 2286 T–1	2.255	0.18	2	SWF
34956 1327 T–2	S 12.45949		2 p N	LCI-W
34958 1357 T–2	6.67258	0.39	2	DWF
34960 2100 T–2	38.781	0.29	2	DWF
34961 2252 T–2	2.975	0.26	2	SWF
34966 3260 T–2	3.224	0.07	1	SWF
34974 5164 T–2	49.0424	0.19	2	DWF
34978 1901 T–3	14.52	0.39	2	SWF
34979 2173 T–3	2.49	0.18	3−	SWF
34985 3286 T–3	183.694	0.30	2	DWF
34997 1978 OP	10.2705	0.30	2	DWF
34999 1978 VC_{3}	4.647	0.22	2	SWF
35002 1978 VY_{8}	18.238	0.25	2	SWF
35004 1979 MC_{3}	25.26	0.51	2	SWF
35005 1979 MY_{3}	7.245	0.32−0.45	2	SWF
35006 1979 ON_{8}	6.83434	0.46	2	DWF
35010 1981 DV_{1}	326.16	0.25	2	DWF
35012 1981 EU_{2}	40.311	0.57	2	SWF
35015 1981 EO_{6}	58.7898	0.14	2	DWF
35035 1981 ER_{29}	5.005	0.75	2	SWF
35040 1981 EV_{33}	84.183	0.58	2	SWF
35054 1983 WK	5.95985	0.07	2	DWF
35055 1984 RB	3.658	0.35−0.49	3	
35062 Sakuranosyou	19.08	0.40	2	
35063 1988 FD	2.8429	0.11	3	
35066 1988 SV_{1}	33.288	0.12	2	DWF
35077 1990 OT_{2}	6.168		2−	SWF
35087 von Sydow	36.1	0.55	2	
35096 1991 GV_{4}	7.259		2−	SWF
35097 1991 GS_{5}	9.57931	0.17	2	DWF
35103 1991 RZ_{14}	8.457		2−	SWF
35107 1991 VH	2.6236	0.06−0.15	3 B	
35115 1992 DN_{8}	12.2382	0.55	2	DWF
35119 1992 EY_{6}	19.5319	0.28	2	DWF
35120 1992 EN_{7}	28.9514	0.30	2	DWF
35123 1992 EB_{17}	6.75058	0.54	2	DWF
35131 1992 PE_{2}	14.790	0.47	2	SWF
35143 1992 UF_{1}	5.3876	0.23	2	DWF
35154 1993 FF_{53}	7.515	0.66	2	SWF
35165*Quebec	21.301	0.57−0.68	2	SWF
35166 1993 QD_{8}	49.6356	0.67	2	DWF
35170 1993 TM	29.9841	0.09	2	DWF
35173 1993 TP_{9}	55.188		2−	SWF
35176 1993 TK_{21}	6.76972	0.27	2	DWF
35179 1993 TK_{28}	5.103	0.27	2	SWF
35180 1993 TC_{38}	38.798		2	SWF
35188 1993 VP_{3}	19.348	0.19	2	SWF
35194 1994 ET_{3}	8.912	0.67	3	
35203 1994 PF_{15}	5.564	0.46	2	SWF
35218 1994 WU_{2}	S 11.56991		2 p N	LCI-W
35222 Delbarrio	89.0829	0.54	2	DWF
35229 Benckert	5.149		2−	SWF
35230 1995 GW	5.19	0.18	2	SWF
35233 Krcin	2.67	0.17	2	SWF
35252 1995 YJ_{14}	3.45552	0.17	2	DWF
35259 1996 HN_{24}	230.	0.45	2− T0	
35286 Takaoakihiro	724.146	0.93	2	SWF
35291*1996 TN_{46}	71.2337	0.18	1 1	DWF
35302 1996 XD_{6}	310.955	0.44	2	DWF
35307 1996 XG_{20}	64.541	0.75	2	SWF
35310 1997 AX_{1}	>1.15	>0.09		SWF
35323 1997 CD_{26}	6.992	0.62	2	SWF
35340*1997 GV_{18}	12.519	0.74−0.84	3−	
35348 1997 JO_{18}	5.536	0.58	2	SWF
35352 Texas	2.54	0.61	2	SWF
35355 1997 SB_{2}	21.478	0.40	2	SWF
35360 1997 TY_{11}	2.896	0.11	2	SWF
35363 1997 TV_{28}	18.779	0.32−0.33	2+ H	DWF
35364 Donaldpray	5.477	0.59−1.00	3	
35369*1997 UJ_{11}	230.194	0.76	3	DWF
35373 1997 UT_{25}	4.85	0.60	2	SWF
35380 1997 WJ_{21}	4.035	0.27−0.35	3	
35386 1997 WM_{43}	5.18149	0.67	2	DWF
35389 1997 XO	1.37	0.18	1 N	
35396 1997 XF_{11}	3.259	0.52−0.93	3	
35399 1997 YQ_{1}	2.65	0.19	2	SWF
35400 1997 YU_{2}	13.643		2−	SWF
35404 1997 YV_{5}	5.74543	0.34−0.62	3	
35407 1997 YF_{11}	3.93404	0.65	2	DWF
35421 1998 AO_{6}	25.5148	0.15	2	DWF
35424*1998 BK	4.214	0.30−0.33	2	SWF
35425 1998 BY	4.6	0.70	2+	SWF
35429 1998 BW_{4}	2.84677	0.21	2	DWF
35430 1998 BT_{6}	7.	0.82	2 N	
35439 1998 BK_{25}	3.10824	0.16	2	DWF
35447 1998 CW_{2}	S 5.30621		2 p N	LCI-W
35449 1998 CR_{3}	13.599	0.65	2	SWF
35451 1998 CW_{4}	7.94889	0.65	2	DWF
35467 1998 ED	20.4929	0.15	2	DWF
35475 1998 EP_{9}	4.96	0.17	2−	SWF
35481 1998 FA_{8}	8.50	0.32	1+ DA	SWF
35490 1998 FD_{27}	2.68398	0.43	2	DWF
35491*1998 FQ_{27}	3.60	0.25−0.27	2	SWF
35493 1998 FG_{29}	15.3115	0.13	2 A3	DWF
35494 1998 FZ_{31}	19.1081	0.14	2	DWF
35500 1998 FP_{39}	12.7173	0.18	2	DWF
35501 1998 FM_{41}		0.51		SWF
35504 1998 FF_{43}	7.44	0.56	3−	
35513 1998 FL_{53}	13.581	0.53	2	SWF
35528 1998 FC_{69}	3.93	0.38	2	SWF
35530 1998 FE_{70}	5.692	0.13	2	SWF
35532 1998 FV_{71}	123.820	0.40	2	SWF
35544 1998 FT_{102}	10.5546	0.11	2	DWF
35545*1998 FQ_{103}	2.30	0.13−0.20	2	SWF
35552*1998 FE_{115}	3.628	0.26−0.31	2	SWF
35558 1998 FT_{122}	55.7019	0.33	2	DWF
35562 1998 GL_{1}	2.76	0.25	2	SWF
35574 1998 HE_{12}	3.81852	0.30	2	DWF
35577 1998 HZ_{26}	41.7337	0.17	2	DWF
35581 1998 HD_{40}	>5.40	>0.18		SWF
35587 1998 HR_{63}	7.97345	0.13	2	DWF
35595 1998 HO_{116}	S 11.42100		2 p N	LCI-W
35596 1998 HZ_{117}	2.025	0.09	1	SWF
35617 1998 HY_{148}	20.7345	0.22	2	DWF
35622 1998 JF_{4}	S 5.46417		2 p N	LCI-W
35624 1998 KR_{7}	26.6764	0.33	2	DWF
35625 1998 KK_{8}	10.057	0.31	2	SWF
35627 1998 KW_{9}	30.7119	0.31	2	DWF
35629 1998 KK_{21}	16.5195	0.23	2	DWF
35646 1998 KO_{66}	9.95211	0.32	2	DWF
35647 1998 KA_{67}	8.833	0.89	2	SWF

Planet	Period	Variation	Note	Survey
35652*1998 MT_{29}	30.580	0.45−0.62	2	SWF
35656 1998 OZ_{12}	14.7197	0.40	2	DWF
35661 1998 QV_{39}	6.589	1.09	2	SWF
35671 1998 SN_{165}	8.84	0.16	2 A	
35673 1998 VQ_{15}	31.0	0.52−0.58	2	
35682 1999 BP_{2}	3.23	0.18	2	SWF
35684 1999 BO_{5}	3.10947	0.31	2	DWF
35689 1999 CD_{12}	39.202	0.33	2	SWF
35690 1999 CT_{21}	9.06	0.48−0.60	2	
35694 1999 CP_{54}	7.01	0.51	3− p	SWF
35695 1999 CE_{57}	5.949		2−	SWF
35697*1999 CG_{104}	277.598	0.90−0.92	2	SWF
35705 1999 FK_{17}	14.6429	0.14	2 A3	DWF
35707 1999 FZ_{25}	52.5761	0.30	2 A	DWF
35710 1999 FT_{29}	17.5481	0.27	2	DWF
35715 1999 FD_{32}	8.744	0.41	2	SWF
35722*1999 FM_{41}	5.537	0.57−0.74	2	SWF
35723 1999 FT_{42}	11.055		2−	SWF
35725 Tramuntana	2.63	0.27	2−	SWF
35727 1999 GM_{1}	41.345		2−	SWF
35728 1999 GA_{2}	5.070	0.65	2	SWF
35760 1999 HP_{1}	3.5826	0.17	2	DWF
35772 1999 JM_{7}	7.48176	0.26	2	DWF
35774 1999 JL_{9}	7.860	0.15	1 NA	
35783 1999 JU_{20}	40.650	0.17	2	SWF
35787 1999 JY_{22}	3.07	0.53	2	SWF
35797 1999 JY_{31}	3.52	0.32	3−	SWF
35807 1999 JS_{42}	716.236	0.46	2	DWF
35815 1999 JO_{48}	S 9.74307		2 p N	LCI-W
35820 1999 JM_{50}	45.4589	0.51	2	DWF
35821 1999 JW_{50}	4.931	0.54	2	SWF
35824 1999 JF_{53}	5.08301	0.37	2	DWF
35830 1999 JL_{54}	99.370	0.91	2	SWF
35833 1999 JN_{57}	92.064	0.73	2	SWF
35834 1999 JT_{57}	2.00402	0.13	2	DWF
35835 1999 JD_{58}	4.73709	0.36	2	DWF
35839 1999 JV_{58}	7.206		2−	SWF
35842 1999 JX_{59}	3.39	0.42	1+ 1	SWF
35851 1999 JW_{62}	6.423	0.84−0.97	2	SWF
35859 1999 JN_{66}	6.49	0.25	3	SWF
35863 1999 JX_{67}	7.719	0.66−0.70	2	SWF
35871 1999 JW_{70}	4.861		2	SWF
35879 1999 JA_{76}	9.76721	0.24	2	DWF
35880 1999 JC_{76}	563.579	0.67	2	DWF
35883 1999 JH_{78}	2.805	0.08	1	SWF
35886 1999 JG_{80}	3.19	0.12	2	
35888 1999 JS_{80}	4.10593	0.53	2	DWF
35892 1999 JV_{82}	17.4714	0.12	2	DWF
35893 1999 JC_{83}	209.269	0.28	2	DWF
35903 1999 JY_{88}	4.77	0.31−0.33	2	SWF
35904 1999 JJ_{89}	5.51842	0.37	2	DWF
35909 1999 JY_{93}	30.5388	0.13	2	DWF
35913 1999 JC_{97}	5.016	0.29−0.33	2	SWF
35916 1999 JS_{98}	2.94681	0.28	2	DWF
35919 1999 JY_{99}	5.942	0.61	2	SWF
35920 1999 JJ_{101}	2.690	0.18	2	SWF
35922 1999 JO_{102}	5.61	0.57−0.75	2	SWF
35926 1999 JL_{105}	9.947	0.28	2	SWF
35928 1999 JV_{107}	S 7.26361		2 p N	LCI-W
35941 1999 JT_{129}	71.9886	0.41	2	DWF
35953 1999 KJ_{15}	S 40.1878		2 p N	LCI-W
35954 1999 KY_{15}	738.507	0.48	2	DWF
35957 1999 LZ_{3}	10.184	0.17	2	DWF
35958 1999 LF_{4}	4.154		2−	SWF
35959 1999 LE_{5}	3.64064	0.22	2	DWF
35961 1999 LH_{7}	8.94221	0.25	2	DWF
35963 1999 LL_{11}	35.5143	0.21	2	DWF
35965*1999 LH_{13}	6.75898	0.77	2 p	DWF
35966 1999 LJ_{13}	58.987	0.30	2	DWF
35967*1999 LG_{14}	5.304	0.53−0.54	3	
35971 1999 LJ_{26}	9.328	0.10	1	SWF
35973 1999 LU_{26}	4.87586	0.31	2	DWF
35983 1999 NG_{5}	16.8554	0.20	2	DWF
35990 1999 NG_{10}	32.1264	1.05	2	DWF
35992 1999 NF_{12}	9.716	0.42	2	SWF
36001 1999 ND_{23}	165.164	0.44	2	DWF
36017 1999 ND_{43}	5.79	0.28	2	
36028 1999 NA_{57}	2.85762	0.27	2	DWF
36033 Viseggi	>1.50	>0.47		SWF
36035 Petrvok	7.961	0.71−0.92	2	SWF
36042 1999 QB_{3}	15.09	0.71	2	SWF
36056 1999 RX_{32}	14.478	0.30	2	SWF
36057 1999 RC_{33}	5.424	0.35	2	SWF
36059 1999 RT_{39}	28.382	0.64	2	SWF
36061 Haldane	8.47	0.26	1+	SWF
36078 1999 RK_{62}	8.230	0.77	2	SWF
36081 1999 RG_{71}	9.911	0.57	2	SWF
36085 1999 RT_{85}	>1.07	>0.12		SWF
36090 1999 RN_{100}	10.973	0.44	2	SWF
36091 1999 RS_{100}	3.434	0.66	2	SWF
36092*1999 RS_{102}	15.261	0.21−0.56	2	SWF
36093 1999 RA_{103}	19.1954	0.20	2	DWF
36102*1999 RA_{116}	12.4092	0.29−0.90	2−	DWF
36103 1999 RL_{116}	446.531	0.39	2	SWF
36105 1999 RF_{118}	9.493	0.66	2	SWF
36106 1999 RN_{119}	2.67697	0.10	2	DWF
36109 1999 RB_{122}	6.49	0.31	2	SWF
36112 1999 RB_{129}	19.3541	0.38	2	DWF
36123 1999 RS_{146}	6.621	0.79	2	SWF
36125 1999 RG_{147}	17.199	0.36	2	SWF
36137 1999 RV_{167}	4.01899	0.43	2	DWF
36148*1999 RF_{192}	3.585	0.29−0.41	2	SWF
36155 1999 RO_{206}	7.01867	0.28	2	DWF
36156 1999 RQ_{206}	19.4059	0.46	2	DWF
36158 1999 RL_{216}	S 8.79596		2 p N	LCI-W
36162 1999 RX_{221}	40.6308	0.33	2	DWF
36163 1999 RQ_{222}	15.7476	0.36	2	DWF
36170 1999 RC_{242}	2.907	0.22	2	SWF
36175 1999 ST_{6}	11.626	0.50	2	SWF
36181 1999 TT_{10}	5.82584	0.41	2	DWF
36183 1999 TX_{16}	5.613	0.90−1.3	3	
36185 1999 TG_{25}	27.428	0.18	2	SWF
36187 Travisbarman	8.65	0.55−0.65	3− p	SWF
36192 1999 TC_{89}	8.263	0.54	2	SWF
36198 1999 TF_{92}	10.643	0.29	3	
36199 1999 TD_{93}	442.67	0.17	2	DWF
36200 1999 TA_{97}	S 5.63664		2 p N	LCI-W
36208 1999 TB_{120}	21.1553	0.35	2	DWF
36218 1999 TK_{220}	3.87	0.50−0.51	2	SWF
36221 1999 TS_{244}	7.808	0.51	2	SWF
36224 1999 TE_{268}	11.914	0.36−0.69	2	SWF
36227 1999 UR_{5}	321.975	0.07	1	SWF
36232 1999 US_{26}	S 22.5974		2 p N	LCI-W
36236*1999 VV	2.743	0.14−0.19	2 A	
36240 1999 VN_{44}	4.56769	0.04	2	DWF
36242 1999 VX_{71}	29.0531	0.22	2	DWF
36253 1999 XT_{11}	34.4164	0.25	2	DWF
36269 1999 XB_{214}	6.777	0.30	2	SWF
36274 2000 AV_{107}	5.9469	0.35	3	
36278 2000 AG_{229}	10.6388	0.20	2	DWF
36281 2000 CN_{85}	16.143	0.24	2	SWF
36284 2000 DM_{8}	3.844	0.22−0.26	3	
36290 2000 FM_{30}	3.68268	0.22	2	DWF
36294 2000 GS_{152}	7.609	0.22	2	SWF
36298 2000 JF_{10}	82.	0.75	2− T?	
36303 2000 JM_{54}	S 4.93652		2 p N	LCI-W
36307 2000 JY_{65}	19.2804	0.57	2	DWF
36314 2000 LH_{4}	7.51376	0.28	2	DWF
36316 2000 LC_{12}	56.5	1.22	2 T	
36319 2000 LO_{20}	47.3629	0.34	2	DWF
36320 2000 LD_{23}	24.092		2	SWF
36324 2000 LT_{27}			HN	DWF
36344*2000 NP_{19}	5.82	0.51−1.04	3	SWF
36349 2000 NZ_{23}	6.7	0.38−0.39	2+	SWF
36365 2000 OO_{9}	3.98916	0.41	2 A	DWF
36367 2000 OF_{12}	8.58		2 N	
36378 2000 OL_{19}	4.3437	1.10	2	
36379 2000 OA_{24}	3.21	0.15	2 A	
36380 2000 OL_{27}	4.15466	0.23	2	DWF
36382 2000 OC_{28}	3.1236	0.20	2	DWF
36392 2000 OZ_{40}	10.9235	0.29	2	DWF
36393 2000 OM_{42}	16.309	0.49	2	SWF
36395 2000 OS_{42}	12.546	0.50	2	SWF
36396 2000 OE_{44}	243.922	0.79	2	DWF
36402 2000 OT_{47}	8.20	0.57−0.59	3−	SWF
36405 2000 OB_{48}	6.6	0.36−0.82	2+	
36406 2000 OQ_{48}	15.3206	0.14	2	DWF
36413 2000 OW_{49}	27.5629	0.82	2	DWF
36424 Satokokumasaki	5.75667	0.28	2	DWF
36429 2000 PX_{9}	2.583	0.08	1	SWF

Planet	Period	Variation	Note	Survey
36432 2000 PQ_{12}	34.491	0.57	2	SWF
36434 2000 PA_{19}	23.963		2−	SWF
36439*2000 PT_{26}	5.579	0.20−0.50	2	
36445*Smalley	2.53227	0.05−0.11	2+	
36458 2000 QO_{8}	7.473		2−	SWF
36461 2000 QC_{9}	S 10.38832		2 p N	LCI-W
36480 2000 QL_{30}	7.91685	0.16	2	DWF
36484 2000 QD_{37}			HN	DWF
36487 2000 QJ_{42}	8.151	0.52−0.64	2 p	SWF
36496 2000 QK_{49}	5.31	0.35	3	
36510 2000 QM_{71}	7.189	0.53	2	SWF
36514 2000 QA_{74}	2.437	0.23	2	SWF
36516 2000 QV_{74}	16.381	0.64	2	SWF
36522 2000 QZ_{79}	7.236	1.12	2	SWF
36524 2000 QS_{80}	3.487	0.39−0.77	2	
36542 2000 QZ_{97}	4.26	0.44	3	SWF
36551 2000 QR_{101}	6.35	0.21	2	SWF
36569 2000 QB_{121}	2.76358	0.20	2	DWF
36570 2000 QC_{121}	6.214	0.64−0.77	2	SWF
36572 2000 QR_{121}	6.23084	0.29	2	DWF
36582 2000 QM_{126}	6.36264	0.19	2	DWF
36605 2000 QT_{142}	3.33	0.21	2	SWF
36613 2000 QW_{145}	97.291	0.78	2	SWF
36619 2000 QE_{151}	2.58294	0.08	2	DWF
36624*2000 QA_{157}	8.531	0.20−0.21	2	SWF
36625 2000 QT_{158}	128.894	0.96	2	DWF
36626 2000 QN_{160}	59.5777	0.17	2	DWF
36628 2000 QV_{165}	40.4224	0.26	2	DWF
36632 2000 QB_{171}	6.28903	0.85	2	DWF
36645 2000 QV_{189}	114.006	0.21	2	DWF
36649 2000 QR_{195}	4.91595	0.07	2	DWF
36664 2000 QN_{211}	3.12	0.24	2	SWF
36679 2000 QH_{231}	4.289	0.56	2	SWF
36680 2000 RK_{1}	6.073	0.97	2	SWF
36695 2000 RB_{16}	108.34	0.21	2	DWF
36696 2000 RX_{16}	5.849		2−	SWF
36697 2000 RC_{17}	28.602	0.35	2	SWF
36698 2000 RN_{17}	19.123		2	SWF
36700 2000 RT_{17}	96.6775	0.80	2	DWF
36712 2000 RS_{33}	5.621		2−	SWF
36713 2000 RV_{33}	116.920	0.52	2	SWF
36720 2000 RE_{42}	38.3865	0.32	2	DWF
36721 2000 RK_{42}	3.29	0.23	1	SWF
36724 2000 RS_{43}	S 19.4850		2 p N	LCI-W
36727 2000 RV_{46}	19.724	0.21	2	SWF
36730 2000 RV_{48}	75.9645	0.10	2	DWF
36731 2000 RR_{50}	7.494	0.10	1	SWF
36735 2000 RF_{55}	33.0658	0.20	2	DWF
36737 2000 RP_{60}	2.582	0.08	1	SWF
36753 2000 RH_{70}	18.4362	0.22	2	DWF
36757 2000 RY_{71}	5.477		2	SWF
36767 2000 RG_{92}	5.123	0.10	1	SWF
36774 Kuittinen	4.56343	0.13	2	DWF
36775 2000 RQ_{101}	3.40394	0.16	2	DWF
36776 2000 RV_{102}	10.7298	0.25	2	DWF
36778 2000 SU_{1}	>0.90	>0.14		SWF
36779 2000 SW_{1}	158.896	0.63	2	DWF
36804 2000 SX_{61}	5.657	0.78	2	SWF
36825 2000 SL_{87}	8.1415	0.28	2	DWF
36826 2000 SS_{88}	32.6856	0.18	2	DWF
36846 2000 SC_{121}	21.1471	0.19	2	DWF
36853 2000 SU_{124}	4.24	0.27	2	SWF
36857 2000 SL_{126}	16.5017	0.18	2	DWF
36859 2000 SC_{136}	22.0617	0.42	2	DWF
36865 2000 SQ_{146}	9.616	0.19	2	SWF
36874 2000 SF_{151}	3.297	0.07	1	SWF
36877 2000 SX_{152}	4.80	0.19	2	SWF
36886 2000 SV_{161}	7.03	0.38	1	SWF
36890 2000 SO_{167}	228.13	0.16	2	DWF
36892*2000 SB_{169}	2.93	0.26	2	
36893 2000 SA_{170}			HN	DWF
36896 2000 SQ_{171}	56.741	0.46	2	SWF
36897 2000 SB_{172}	3.480	0.17	2	SWF
36906 2000 SZ_{179}	64.1891	0.20	2	DWF
36925 2000 SC_{212}	43.475		2	SWF
36931 2000 SS_{220}	17.5122	0.12	2	DWF
36935 2000 SB_{227}	4.24148	0.28	2	DWF
36936 2000 SF_{227}	6.525	0.49−0.56	2	SWF
36944 2000 SD_{249}	S 6.09677		2 p N	LCI-W
36976 2000 SU_{318}	2.4	0.24	2− N	
36978 2000 SL_{323}	7.625		2−	SWF
36985 2000 SH_{349}	5.42	0.10	2	SWF
36989 2000 SR_{355}	7.18225	0.20	2	DWF
37012 2000 TP_{51}	7.48987	0.32	2	DWF
37018 2000 TE_{60}	S 47.623		2 p N	LCI-W
37021 2000 UB_{1}	12.1754	0.51	2	DWF
37023 2000 UD_{2}	5.442	0.35	2	SWF
37024 2000 UM_{5}	4.41989	0.12	2	DWF
37025 2000 US_{5}	9.61126	0.23	2	DWF
37031 2000 UD_{8}	15.230	0.32−0.39	2	SWF
37033*2000 UX_{8}	8.033	0.44−0.48	2	SWF
37034 2000 UC_{9}	228.48	0.27	2	DWF
37035 2000 UQ_{10}	S 9.05947		2 p N	LCI-W
37038 2000 UN_{21}	3.94406	0.43	2	DWF
37040 2000 UP_{22}	4.305	0.16−0.22	2	SWF
37042 2000 UN_{25}	65.1061	0.26	2−	DWF
37052 2000 UO_{39}	>1.45	>0.33		SWF
37071 2000 UY_{51}	4.010	0.40	2	SWF
37076 2000 UK_{54}	8.506	0.38	2	SWF
37088 2000 UE_{70}	3.359	0.38	2	SWF
37105 2000 UA_{101}	4.214	0.63	2	SWF
37106 2000 UC_{101}	188.465	0.69	2	SWF
37112 2000 UG_{104}	4.05	0.20	2+	SWF
37123 2000 VW_{10}	>1.90	>0.21		SWF
37125 2000 VP_{12}	4.23	0.49	3−	SWF
37139 2000 VH_{38}	28.925	0.10	1	SWF
37142*2000 VK_{41}	47.068	0.57−0.70	2	SWF
37151 2000 VF_{55}	92.8142	0.28	2	DWF
37154 2000 VZ_{58}	4.39006	0.13	2	DWF
37163 Huachucaclub	5.967	0.80	2	SWF
37170 2000 WY_{26}	5.79815	0.16	2	DWF
37184 2000 WC_{53}	7.87	0.39	2	SWF
37194 2000 WG_{73}	45.242	0.58	2	DWF
37201 2000 WS_{94}			HN	DWF
37203 2000 WS_{98}	19.491	0.09	2	DWF
37210 2000 WW_{113}	166.019	0.40	2	DWF
37212 2000 WO_{126}	108.218	1.04	2	SWF
37217 2000 WV_{135}	17.7319	0.36	2 1	DWF
37224*2000 WH_{142}	4.770	0.26−0.28	2	SWF
37230 2000 WA_{147}	>1.13	>0.55		SWF
37233 2000 WV_{154}	67.5988	0.22	2	DWF
37237 2000 WZ_{161}	6.99519	0.40	2	DWF
37265 2000 XT_{17}	S 7.63811		2 p N	LCI-W
37268 2000 XB_{24}	17.4664	0.30	2	DWF
37274 2000 XO_{42}	9.035	0.26	3	
37276 2000 XL_{43}	215.6	0.61	2	DWF
37283 2000 YA_{71}	3.242	0.27	2	SWF
37285 2000 YJ_{78}	3.094	0.07	1	SWF
37287 2000 YM_{101}	U 23.	0.20	1+	
37290 2000 YX_{135}	6.77895	0.30	2	DWF
37292 2001 AN_{34}	22.2424	0.24	2	DWF
37295 2001 BB_{46}	>1.13	>0.61		SWF
37306 2001 KW_{46}	5.621	0.10	2	
37317 2001 QT_{31}	221.329	0.24	2	DWF
37318 2001 QZ_{31}	24.8642	0.43	2	DWF
37325 2001 QG_{78}	5.341	0.10	1	SWF
37327 2001 QG_{79}	3.15085	0.41	2	DWF
37328 2001 QN_{99}	3.28504	0.17	2	DWF
37337 2001 RH_{72}	3.74205	0.20	2	DWF
37339 2001 RQ_{94}	6.871	0.29	2	SWF
37344 2001 SS_{54}	9.93739	0.30	2	DWF
37346 2001 SU_{154}	3.26	0.48	3−	SWF
37349 2001 SV_{291}	153.273	0.37	2	DWF
37351 2001 TE_{36}	S 12.71947		2 p N	LCI-W
37357 2001 TD_{196}	12.2839	0.24	2	DWF
37377 2001 VP_{46}	3.14138	0.31	2	DWF
37378 2001 VU_{76}	1.780	0.10−0.23	2 A	
37382 2001 VR_{120}	3.09474	0.21	2	DWF
37384 2001 WU_{1}	3.8769	0.37	3	
37385 2001 WP_{27}	65.0719	0.25	2	DWF
37387 2001 WT_{29}	83.7614	0.37	2	DWF
37389 2001 WR_{38}	65.3058	0.38	2	DWF
37393 2001 XF_{24}	S 10.04107		2 p N	LCI-W
37409 2001 XW_{115}	22.9487	0.19	2 A	DWF
37410 2001 XQ_{118}	4.52775	0.49	2	DWF
37445 3056 P–L		0.79		SWF
37451 4280 P–L	3.11	0.33	2	SWF
37460 6102 P–L	6.44	0.60	2+	SWF
37461 6112 P–L	5.38	0.60	2	SWF
37471 Popocatepetl	63.312	0.58	2	DWF

Planet	Period	Variation	Note	Survey
37503 2288 *T–2*	69.155		2	SWF
37504 3052 *T–2*	3.16	0.16	1	SWF
37506 3107 *T–2*	5.044	0.62	2	SWF
37519 Amphios	50.93	0.30	2+	
37526*5721 *T–3*	5.249	0.40−0.77	2	SWF
37534*1980 FL_4	5.293	0.29−0.51	2	SWF
37541 1981 EW_7	49.192	0.20	2	DWF
37546 1981 ET_{20}	>24.	0.36	1	
37556 Svyaztie	6.47943	0.36	2	DWF
37565 1988 VL_3	16.1299	0.46	2	DWF
37568 1989 *TP*	51.85	0.47	2	
37569 1989 *UG*	6.858	0.97	2	SWF
37581 1990 SU_{15}	251.25	0.36	2	DWF
37586*1991 BP_2	887.	0.92−0.96	2+ T?	
37590 1991 RA_{14}	>4.35	>0.13		SWF
37592 Pauljackson	282.846	0.32	2 1	DWF
37594 1991 UJ_1	11.4409	0.30	2	DWF
37598 1992 EL_{17}	4.0167	0.09	2	DWF
37613 1993 FE_{40}	7.622	1.01	2 p	SWF
37623 Valmiera	14.3617	0.23	2	DWF
37631 1993 TT_{27}	6.242	0.68	2	SWF
37633 1993 TG_{39}	8.4275	0.24	2	DWF
37634 1993 *UZ*	82.0	0.70	2+ T0	
37635 1993 UJ_1	600.	0.8	3 T0	
37636 1993 UQ_4	45.541		2−	SWF
37637 1993 UZ_5	5.366	0.71	2	SWF
37647 1994 ES_3	239.003	0.26	2	DWF
37652 1994 JS_1	17.4501	0.35−0.55	3−	
37655 Illapa	2.6556	0.08−0.11	3	
37672 1994 *VC*			HN	DWF
37687 Chunghikoh	6.22941	0.28	2	DWF
37691 1995 UN_{74}	19.1232	0.16	2	DWF
37694 1995 WC_6	31.418	0.70	2	SWF
37703 1996 CD_1	3.71	0.55	3	SWF
37719 1996 SG_6	2.309	0.22	2	SWF
37727 1996 TE_{39}	6.144		2−	SWF
37734 1996 UR_3	7.014	0.31	2	SWF
37744 1996 XU_{14}	35.51	0.73	3−	
37748 1997 AF_2	6.11989	0.73	2	DWF
37750*1997 *BZ*	5.15	0.25−0.28	2 H	DWF
37751 1997 CH_1	5.68	0.08	2	SWF
37754 1997 CX_{15}	2.93	0.27	2−	SWF
37764*1997 GT_3	7.669	0.28−0.49	2	SWF
37766*1997 GM_{11}	7.378	0.49−0.94	2	SWF
37771*1997 GQ_{22}	6.764	0.16−0.18	2	SWF
37776 1997 GW_{28}	42.409	0.78	2	SWF
37781 1997 HB_{13}	5.656	0.56	2	SWF
37783 1997 MP_2	20.4537	0.15	2	DWF
37799 1997 WC_{31}	8.956	1.07	2	SWF
37801 1997 WO_{47}	37.50	>1.	2	
37802 1997 XD_{11}	32.3677	0.19	2	DWF
37816 1998 BT_2	6.24832	0.22	2	DWF
37828 1998 BK_{33}	207.254	0.79	2	DWF
37833 1998 BL_{39}	22.7357	0.16	2	DWF
37835 1998 BC_{44}	8.459	0.30	2	SWF
37841 1998 DQ_4	7.51611	0.36	2	DWF
37854 1998 EY_{11}	2.112	0.08	1	SWF
37866 1998 FU_{15}			HN	DWF
37879 1998 FB_{47}	295.328	0.28	2	DWF
37882 1998 FE_{49}	6.021	0.99	2 p	SWF
37883 1998 FA_{51}	31.3828	0.15	2	DWF
37892 1998 FA_{61}	6.647	0.42	2	SWF
37906*1998 FR_{73}	5.272	0.23−0.34	2	SWF
37916 1998 FN_{101}	683.155	0.29	2	DWF
37923 1998 FD_{113}	251.524	0.44	2	DWF
37924 1998 FB_{114}	3.34777	0.20	2	DWF
37928 1998 FO_{121}	3.05	0.12	2	SWF
37930 1998 FG_{123}	15.1208	0.49	2	DWF
37936 1998 GH_1	6.78365	0.28	2	DWF
37945 1998 HP_{19}	44.6184	0.26	2	DWF
37947 1998 HJ_{20}	5.985	0.30−0.31	2	SWF
37951 1998 HE_{42}	8.719	0.44	2	SWF
37957 1998 HJ_{54}	3.431	0.44	2	SWF
37959 1998 HM_{62}	6.265	0.81−0.88	2	SWF
37973 1998 HG_{106}	24.6338	0.30	2	DWF
37976 1998 HC_{118}	13.703	0.51−0.56	2	SWF
37977 1998 HC_{123}	251.246	0.47	2	DWF
37978 1998 HR_{124}	14.8071	0.44	2	DWF
37984 1998 HA_{138}	549.934	0.18	2	DWF
37985 1998 HF_{144}	S 9.21507		2 p N	LCI-W
37989 1998 HZ_{153}	20.9034	0.13	2	DWF
37994 1998 KV_{12}	4.67085	0.39	2	DWF
37997 1998 KW_{30}	48.0526	0.52	2	DWF
38000*1998 KK_{35}	4.485	0.52−0.62	2	SWF
38001 1998 KM_{37}	5.61	0.67−0.87	2	SWF
38008 1998 KP_{50}	2.8159	0.33	2 1	DWF
38012 1998 KE_{54}	2.67	0.15	2	SWF
38023 1998 MO_{39}	23.6265	0.26	2	DWF
38025*1998 *QF*	13.301	0.25−0.27	2	SWF
38035 1998 QC_{85}	14.8169	0.53	2	DWF
38047 1998 TC_3	3.762	0.54−0.78	3	
38048 1998 UL_{18}	30.0	0.15	1	
38050 1998 VR_{38}	18.854	0.09−0.37	3	
38052 1998 XA_7	8.21	0.63	2	SWF
38061 1999 DJ_1	47.022	0.55	2	SWF
38063 1999 *FH*	990.	0.55	2 T?	
38064 1999 FZ_{10}	3.672	0.09	1	SWF
38071 1999 GU_3	216.	1.40−1.50	3 T?	
38074 1999 GX_{19}	6.3811	0.54	3	
38098 1999 JO_{13}	12.6995	0.11	2	DWF
38100 1999 JM_{14}	7.269	0.40	2	SWF
38101 1999 JE_{15}	56.646	0.89	2	SWF
38108 1999 JB_{24}	2.449	0.11	2	SWF
38120 1999 JN_{39}	S 12.62024		2 p N	LCI-W
38140 1999 JX_{58}	14.476	0.64	2	SWF
38149 1999 JY_{62}	48.5493	0.35	2	DWF
38156 1999 JQ_{71}	5.681	0.61	2	SWF
38159 1999 JB_{73}	2.62034	0.17	2	DWF
38167 1999 JU_{88}	2.76	0.18	1+	SWF
38176 1999 JR_{119}	5.27	0.62−0.73	3−	SWF
38180 1999 JR_{123}	6.53	0.78−0.79	3	SWF
38184 1999 *KF*	3.6598	0.15−0.19	3	
38187 1999 KH_7	7.61871	0.20	2	DWF
38197 1999 LC_{19}	269.677	0.28	2	DWF
38199 1999 LO_{24}	4.5604	0.06	2	DWF
38206 1999 ML_1	72.5141	0.26	2	DWF
38212 1999 NM_5	4.669	0.63	2	SWF
38219 1999 NW_{19}	3.96298	0.35	2	DWF
38222 1999 NP_{31}		0.50		SWF
38226 1999 NG_{50}	10.2661	0.31	2	DWF
38229 1999 NG_{53}	22.4155	0.26	2	DWF
38231 1999 NF_{54}	44.86	0.28	2	SWF
38238 Holíč	11.71	0.42−0.57	2	SWF
38243 1999 PB_4	>1.97	>0.28		SWF
38264*1999 RC_{22}	13.908	0.42−0.50	2	SWF
38268 Zenkert	6.	0.55	2−	
38270*Wettzell	8.28	0.16−0.52	2	SWF
38273 1999 RN_{42}	69.6262	0.35	2	DWF
38293 1999 RK_{85}	>3.72	>0.15		SWF
38296 1999 RD_{87}	5.16	0.79	3−	SWF
38305 1999 RM_{96}	8.141		2−	SWF
38310 1999 RH_{105}	8.866	0.37	2	SWF
38311*1999 RV_{106}	25.626	0.30−0.50	2	SWF
38312 1999 RO_{107}	397.838	0.28	2	DWF
38323 1999 RB_{127}	6.56987	0.22	2	DWF
38325 1999 RD_{128}	15.749	0.69	2	SWF
38332 1999 RF_{131}	80.2885	0.84	2	DWF
38333 1999 RE_{132}	3.524	0.42	2	SWF
38339 1999 RH_{137}	3.738	0.27−0.30	2	SWF
38342 1999 RT_{139}			HN	DWF
38345 1999 RO_{141}	23.963		2−	SWF
38350 1999 RS_{149}	4.928	0.45	2	SWF
38368 1999 RQ_{164}	7.55287	0.67	2	DWF
38381 1999 RV_{175}	>1.78	>0.34		SWF
38382 1999 RZ_{175}	S 7.40863		2 p N	LCI-W
38396 1999 RU_{193}	5.05416	0.25	2	DWF
38398 1999 RC_{195}	205.908	0.46	2	DWF
38403*1999 RU_{197}	9.45	0.22−0.33	2	SWF
38405 1999 RS_{202}	8.831	0.37	2	SWF
38408 1999 RN_{204}	10.9745	0.33	2	DWF
38409 1999 RK_{205}	S 4.95927		2 p N	LCI-W
38413 1999 RY_{211}	5.85269	0.21	2	DWF
38423 1999 RS_{226}	6.38939	0.20	2	DWF
38426 1999 RT_{230}	34.962	0.47	2	SWF
38436 1999 RS_{241}			HN	DWF
38453*1999 TU_1	6.124	0.68−0.79	2	SWF
38454 Boroson	138.816	0.85	2	SWF
38456 1999 TO_6	S 8.04713		2 p N	LCI-W
38457 1999 TJ_9	3.95	0.21	2	SWF
38465 1999 TL_{28}	13.400	0.51	2	SWF

Planet	Period	Variation	Note	Survey
38473 1999 TA_{85}	>4.35	>0.41		SWF
38489 1999 TB_{116}	170.221	0.21	2	DWF
38490 1999 TA_{117}	2.96	0.27	3	SWF
38493 1999 TT_{117}	12.2071	0.20	2	DWF
38497 1999 TK_{130}	18.6119	0.13	2	DWF
38499 1999 TT_{161}	8.584	0.54	2	SWF
38502 1999 TC_{171}	>1.00	>0.04		SWF
38507 1999 TD_{192}	S 5.49916		2 p N	LCI-W
38512 1999 TU_{233}	20.0795	0.17	2	DWF
38516 1999 TQ_{248}	5.047	0.36	2	SWF
38521 1999 TG_{262}	227.038	0.30	2	DWF
38530 1999 UY_{14}	4.03	0.46	3	SWF
38533 1999 UQ_{33}	20.7	0.62	2	SWF
38535 1999 UO_{42}	>1.02	>0.04		SWF
38537 1999 UJ_{43}	39.3556	0.14	2	DWF
38540 Stevens	6.583	0.60	2	SWF
38541 Rustichelli	5.898	0.47	2	SWF
38545 1999 VS_{27}	5.11194	0.21	2	DWF
38548 1999 VK_{47}	54.9055	0.13	2	DWF
38550 1999 VS_{53}	>1.00	>0.08		SWF
38554 1999 VR_{78}	13.8355	0.51	2	DWF
38559*1999 VC_{115}	13.950	0.29−0.39	2	SWF
38562 1999 VG_{139}	122.92	0.27	2	DWF
38568 1999 VE_{184}	9.120	0.62	2	SWF
38574 1999 WS_{4}	7.085	0.22	2 H	DWF
38575 1999 XH_{2}	4.551	0.44	2	SWF
38593 1999 XF_{166}	16.849	0.57	2	SWF
38595 1999 XD_{196}	40.7823	0.11	2	DWF
38605 1999 YV_{10}	5.474	0.45	2	SWF
38617 2000 AY_{161}	10.7	0.16	2−	
38618 2000 AH_{165}	3.09512	0.22	2	DWF
38628 Huya	5.28	0.02	2− B	
38637*2000 LL_{35}	2.974	0.28−0.29	2	SWF
38650*2000 ON_{17}	4.78164	0.37	2 p	DWF
38651 2000 ON_{18}	15.9402	0.09	2	DWF
38653 2000 OT_{22}	4.95	0.69−0.77	2	SWF
38656 2000 OR_{45}	7.052	0.66	2	SWF
38663 2000 OK_{49}	5.51	1.24	2−	SWF
38665 2000 OC_{52}	2.955	0.16	2	SWF
38677 2000 PD_{25}	1.47161	0.15	2	DWF
38678 2000 PS_{26}	20.544	0.13	2	SWF
38685 2000 QP_{9}	7.53558	0.40	2	DWF
38694 2000 QO_{46}	2.919	0.30	2	SWF
38701 2000 QB_{66}	195.141	0.48	2	SWF
38706 2000 QP_{83}	7.848	0.41	2	SWF
38707 2000 QK_{89}	6.1509	0.36	3−	
38709 2000 QO_{90}	5.9756	0.19	2	DWF
38710 2000 QG_{97}	13.9201	0.40	2	DWF
38713 2000 QJ_{116}	60.372	0.42	2	SWF
38714 2000 QS_{116}	72.6491	0.63	2	DWF
38718 2000 QW_{121}	3.088	0.43	2	SWF
38720 2000 QB_{128}	34.794		2	SWF
38725 2000 QD_{130}	41.8725	0.43	2	DWF
38741 2000 QO_{180}	34.954	0.12	2	SWF
38757 2000 RM_{1}	2.783		2−	SWF
38761 2000 RH_{3}	S 6.04882		2 p N	LCI-W
38769 2000 RS_{7}	20.1133	0.23	2	DWF
38774 2000 RD_{10}	3.07525	0.15	2	DWF
38785 2000 RR_{43}	10.098	0.35	2	SWF
38792 2000 RA_{49}	16.7322	0.18	2	DWF
38797 2000 RW_{51}	50.6438	0.15	2	DWF
38798 2000 RB_{54}	12.495	0.64−0.88	2	SWF
38800 2000 RA_{55}	5.792	0.55	2	SWF
38804 2000 RB_{64}	6.72953	0.33	2	DWF
38809 2000 RT_{69}	4.273	0.47	2	SWF
38814 2000 RR_{72}	6.23	0.74	2	SWF
38831*2000 RC_{105}	76.426	0.57−0.68	2	SWF
38837 2000 SM_{23}	16.818	0.21−0.25	2	SWF
38857 2000 SE_{88}	4.5703	0.41	2	DWF
38858 2000 SB_{91}	119.061	1.02	2	DWF
38859 2000 SL_{92}	41.6989	0.15	2	DWF
38867 2000 SF_{112}	30.724	0.59	2	SWF
38869 2000 SL_{113}	24.139		2	SWF
38872 2000 SP_{116}	6.27	0.32	2	SWF
38874 2000 SZ_{119}	12.398		2−	SWF
38879 2000 SO_{121}	5.537	0.57	2	SWF
38892 2000 SS_{148}	12.105	0.29	2	SWF
38895 2000 SE_{152}	43.140		2	SWF
38896 2000 SB_{153}	15.89	0.41	2	SWF
38909 2000 SQ_{172}	12.900	0.27	2	SWF
38910 2000 SA_{178}	6.397	0.22	2	SWF
38912 2000 SK_{179}	7.095	0.64	2	SWF
38923 2000 SM_{221}	7.893	0.09	1	SWF
38929 2000 SH_{227}	7.170	0.82	2	SWF
38939*2000 SH_{260}	6.352	0.34−0.44	2	SWF
38950*2000 ST_{295}	6.19077	0.67	2 p A	DWF
38951 2000 SA_{296}	18.9765	0.12	2	DWF
38962 Chuwinghung	10.196	0.49	2	DWF
38963 2000 TJ_{14}	10.604	0.60	3−	SWF
38967 2000 TF_{36}	272.346	0.27	2	DWF
38980 Gaoyaojie	14.4805	0.15	2	DWF
38984 2000 UZ_{4}	19.20	0.70	2	SWF
38987 2000 UB_{8}			HN	DWF
38990 2000 UZ_{17}	136.185	0.70	2	SWF
38992 2000 UN_{20}	6.921	0.61	2	SWF
38994 2000 UZ_{21}	5.495	0.56−0.67	2	SWF
38995 2000 UJ_{24}	3.14	0.31	1 N	
38996 2000 UM_{25}	604.4	0.42	2	DWF
38998 2000 UP_{26}	6.204	0.19	2	SWF
38999*2000 UV_{26}	169.098	0.73−0.75	2	SWF
39000 2000 UZ_{26}	69.8702	0.18	2	DWF
39008 2000 UU_{41}	2.49	0.16	2	SWF
39032 2000 UU_{76}	>1.00	>0.07		SWF
39036 2000 UQ_{78}	170.398	0.81	2	SWF
39040 2000 UH_{87}	132.964	0.19	2	DWF
39043 2000 UT_{90}	3.523	0.21	2	SWF
39046 2000 UZ_{94}	10.3631	0.60	2	DWF
39049 2000 UJ_{97}	6.372	0.61	2	SWF
39051 2000 UB_{99}	6.4	0.86	2	SWF
39052 2000 UL_{99}	6.661	0.69	2	SWF
39058 2000 UM_{104}	9.064	0.28	1 5	
39062 2000 US_{109}	5.264	0.42	2	SWF
39066 2000 US_{112}	15.208	0.58	2	SWF
39069 2000 VM_{10}	35.6488	0.26	2	DWF
39072 2000 VM_{17}	S 45.0117		2 p N	LCI-W
39074 2000 VX_{17}	5.52402	0.58	2	DWF
39076 2000 VL_{22}	5.2	0.35	1+ N	
39086 2000 VG_{41}	6.11	0.20	2	SWF
39087 2000 VN_{50}	18.75	0.7	1	
39088*2000 VO_{50}	5.373	0.54−0.60	2	SWF
39091 2000 VX_{54}	S 14.21810		2 p N	LCI-W
39097 2000 WX_{7}	34.333	0.31	2	DWF
39105 2000 WY_{18}	4.73	0.69	2	SWF
39113 2000 WM_{32}	11.646	0.25	2	DWF
39118 2000 WD_{35}	5.226	0.62	2	SWF
39119 2000 WF_{37}	74.2668	0.42	2	DWF
39132 2000 WU_{58}	20.663	0.69	2 A	
39137 2000 WX_{62}	3.742	0.60	2	SWF
39138*2000 WU_{68}	14.462	0.20−0.66	2	SWF
39141 2000 WN_{77}	3.52	0.14	2	SWF
39145 2000 WU_{90}	3.43	0.21	2−	SWF
39148 2000 WM_{93}		0.15		
39180 2000 WA_{161}	287.871	0.21	2	DWF
39181 2000 WP_{161}	58.4951	0.43	2	DWF
39196 2000 WN_{191}	9.080	0.52	2	SWF
39197 2000 XA	5.221	0.72	2	SWF
39199 2000 XN_{7}	7.727	0.48	2	SWF
39203 2000 XH_{18}	407.55	0.54	2	DWF
39210 2000 XK_{30}	118.862	0.30	2	DWF
39214 2000 XG_{42}	6.243	0.54	2	SWF
39218 2000 YY_{3}	54.444	0.99	2	SWF
39224 2000 YR_{21}	11.0381	0.43	2	DWF
39231 2000 YZ_{38}	4.686	0.52	2	SWF
39233 2000 YZ_{46}	3.321	0.39	2	SWF
39240 2000 YZ_{69}	105.	1.6	2− T0	SWF
39246 2000 YU_{81}	2.987	0.31	2	SWF
39247 2000 YU_{86}	10.4368	0.33	2	DWF
39249 2000 YR_{88}	3.64686	0.16	2	DWF
39257 2000 YT_{122}	2.33	0.18	2	SWF
39263 2000 YK_{139}	6.099	0.65	2	SWF
39266 2001 AT_{2}	3.6098	0.31	2+	
39270 2001 AH_{11}	82.191	0.14	2− HA	DWF
39283 2001 BN_{45}	2.87	0.11	2	SWF
39286 2001 CX_{6}	8.421	0.43−0.50	2+ H	DWF
39289 2001 CT_{28}	19.062	0.76−1.04	2+ H	DWF
39293 2001 DQ_{10}	2.97	0.15	1	SWF
39297 2001 FE_{53}	6.91	0.33	2	SWF
39299 2001 HF_{5}	21.6208	0.18	2	DWF
39304 2001 QX_{77}	7.28	0.66	1 DA	SWF
39307 2001 TJ_{42}	17.0692	0.17	2	DWF

Planet	Period	Variation	Note	Survey
39314 Moritakumi	7.9035	0.37	2	DWF
39316 2001 UH_{80}	4.165	0.41	2	SWF
39317*2001 UU_{168}	86.895	0.73−0.75	2	SWF
39319 2001 VT_{35}	16.098	0.62	2	SWF
39326 2001 XL_{37}	31.258	0.48	2	SWF
39339 2002 AD_{32}	4.61	0.50	2	SWF
39351 2002 AB_{122}	9.58	0.68−0.70	2	SWF
39354 2002 AX_{148}	5.337	0.73	2	SWF
39364 2002 BN_{7}	256.101	0.27	2	DWF
39385 4017 *P–L*	36.1655	0.30	2	DWF
39387 4150 *P–L*	12.4134	0.29	2	DWF
39392 4893 *P–L*	2.96	0.18	2	SWF
39405*Mosigkau	4.99	0.40−0.55	2	SWF
39415 Janeausten		1.0	I	
39420 Elizabethgaskell	105.	1.6	2− T0	SWF
39431 5178 *T–2*	9.534	0.30	2	SWF
39437 2203 *T–3*	20.5084	0.17	2	DWF
39439 2242 *T–3*	42.5604	0.29	2	DWF
39442 2384 *T–3*	42.297		2	SWF
39447 3412 *T–3*	134.006	0.36	2	DWF
39453 4070 *T–3*	10.1095	0.22	2	DWF
39458 4198 *T–3*	>1.03	>0.22		SWF
39468 1978 RY_{7}	38.5152	0.33	2	DWF
39481 1981 DP_{1}	4.05356	0.27	2	DWF
39487 1981 EC_{6}	322.937	0.38	2	DWF
39489 1981 EU_{6}	2.258	0.10	1	SWF
39492 1981 EO_{10}	6.986	0.84	2	SWF
39494 1981 EM_{11}	7.353	0.33	2	SWF
39500 1981 EK_{30}	2.89007	0.27	2	DWF
39510 1982 *DU*	S 15.5822		2 p N	LCI-W
39517 1988 CV_{2}	2.44074	0.12	2	DWF
39519 1988 CQ_{5}	68.7823	0.19	2	DWF
39525 1989 TR_{2}	3.93849	0.37	2	DWF
39535 1990 RX_{7}	132.998	0.62	2	DWF
39537 1990 VV_{2}	3.12394	0.24	2	DWF
39543 Aubriet	S 8.06554		2 p N	LCI-W
39546*1992 DT_{5}	1167.360	0.38−0.80	2	SWF
39552 1992 EY_{7}	4.179	0.42	2	SWF
39555 1992 EY_{32}	S 20.8472		2 p N	LCI-W
39556 1992 GF_{2}	2.561	0.31	2	SWF
39560 1992 PM_{2}	51.366	0.26	2	SWF
39566*Carllewis	5.15005	0.34	2−	DWF
39572 1993 DQ_{1}		0.29	N	
39574 1993 FM_{5}		0.97		SWF
39578 1993 FV_{13}	93.9695	0.27	2	DWF
39583 1993 FN_{23}	18.973	0.49−0.50	2	SWF
39588 1993 FZ_{37}	3.39	0.17	2+	SWF
39589 1993 FL_{75}	5.55	0.84	2+	SWF
39596 1993 QZ_{8}	195.119	0.38	2	SWF
39618 1994 *LT*	140.	0.85	2 T	
39628 1994 PJ_{24}	7.532	0.78	2	SWF
39632 1994 *UL*	2.43263	0.11	2	DWF
39636 1995 BQ_{2}	6.623	0.52	2	SWF
39638 1995 EB_{5}	93.2745	0.27	2	DWF
39655 Muneharuasada	3.481	0.22	2	SWF
39665 1995 WU_{6}	4.418	0.22	3	
39670 1995 YL_{25}	20.3331	0.81	2	DWF
39672 1996 BF_{1}			HN	DWF
39677 Anagaribaldi	6.60431	0.28	2	DWF
39684*1996 PD_{8}	4.836	1.29	3	
39687 1996 RL_{3}	402.470	0.10	1	SWF
39698 1996 TX_{7}	3.48	0.48	3	SWF
39704 1996 TG_{15}	5.805	0.80	2	SWF
39705 1996 TO_{18}	247.156	0.39	2	SWF
39713 1996 TE_{57}	21.515		2−	SWF
39716 1996 VD_{2}	6.328	0.63−0.83	2	SWF
39719 1996 VF_{4}	31.816		2−	SWF
39737 1997 AE_{1}	3.18275	0.26	2	DWF
39741 Komm	5.95	0.83	3	
39745 1997 AK_{17}	15.768	0.92	2	SWF
39748 Guccini	5.459	0.51	2	SWF
39750 1997 CQ_{2}			HN	DWF
39752 1997 CB_{5}	13.974	0.24	2	SWF
39762 1997 FE_{1}	S 5.90702		2 p N	LCI-W
39763 1997 FD_{3}	4.119	0.15	2	SWF
39764 1997 FK_{3}	31.1713	0.35	2	DWF
39783 1997 LB_{1}	2.15	0.36	1+ N	
39791 Jameshesser	4.829	0.71	3	
39796 1997 *TD*	223.5	0.92	2 T?	
39797 1997 TK_{18}	7.661	0.47	2	SWF
39799 Hadano	3.38	0.12	2	SWF
39806 1997 WX_{2}	6.296	0.09	1	SWF
39810 1997 WQ_{35}	2.7737	0.12−0.18	3	
39816 1997 XE_{11}	3.59909	0.21	2	DWF
39819*1997 YE_{10}	2.641	0.16−0.17	2	SWF
39823 1998 *BV*	15.3939	0.17	2	DWF
39828 1998 BH_{4}	14.2	0.13	1 A	
39829*1998 BS_{4}	5.331	0.30−0.71	2	SWF
39830 1998 BS_{6}	12.118	0.64	2	SWF
39845 1998 BT_{35}	4.214		2−	SWF
39852 1998 CV_{3}	2.82724	0.18	2	DWF
39863 1998 DL_{15}	S 9.04880		2 p N	LCI-W
39864 Poggiali	8.36	0.44	2	SWF
39874 1998 DC_{35}	46.343		2−	SWF
39881 1998 EK_{11}	59.787	0.54	2	SWF
39886 1998 EL_{12}	S 3.530461		2 p N	LCI-W
39887 1998 ED_{13}	44.946		2−	SWF
39890 Bobstephens	9.55	0.20	2	
39909 1998 FM_{36}	4.66	0.85	3−	SWF
39910 1998 FJ_{37}	S 4.922023		2 p N	LCI-W
39916 1998 FH_{47}	7.273	0.75	2	SWF
39917 1998 FV_{48}	2.83	0.18	2	SWF
39929 1998 FZ_{71}	4.033	0.38	2	SWF
39936 1998 FZ_{85}	4.16	0.41	2	SWF
39945 1998 FT_{110}	3.10226	0.26	2	DWF
39949 1998 FG_{115}	48.001		2−	SWF
39950 1998 FB_{116}	12.9255	0.20	2	DWF
39962 1998 FX_{123}	7.48006	0.60	2	DWF
39978 1998 HB_{11}	14.2096	0.32	2	DWF
39979 1998 HT_{12}	8.103	0.26	2	SWF
39988 1998 HO_{33}	78.5865	0.23	2	DWF
39990 1998 HT_{36}	35.4961	0.27	2	DWF
39991 Iochroma	3.440	0.37−0.42	3	
39995 1998 HC_{51}	4.50522	0.25	2	DWF
40002 1998 HS_{89}	6.242	0.69	2	SWF
40003 1998 HW_{92}	6.842	0.12	1	SWF
40018 1998 HH_{134}	61.3451	0.46	2	DWF
40021 1998 HG_{137}	13.251	0.32	2	DWF
40029 1998 KG_{2}	15.143	0.08	2	DWF
40031 1998 KP_{2}	4.32549	0.44	2	DWF
40032 1998 KD_{10}	132.808	0.21	2	DWF
40035 1998 KO_{15}	>0.97	>0.10		SWF
40036 1998 KT_{19}	6.67	0.59	2	SWF
40061 1998 KQ_{48}	2.60	0.22	2	SWF
40068 1998 KS_{54}	>2.37	>0.15		SWF
40071 1998 KL_{59}	7.462	0.31−0.84	2	SWF
40073 1998 KN_{60}	11.6009	0.28	2	DWF
40080*1998 MY_{9}	14.243	0.21−0.54	2	SWF
40091 1998 MH_{41}	39.275	0.66−0.68	2	SWF
40104 1998 QE_{4}	4.475	0.60	2 p	SWF
40105 1998 QL_{4}	4.21	0.31	2	SWF
40107 1998 QB_{7}	18.691	0.58	2	DWF
40120 1998 QT_{23}	>0.92	>0.07		SWF
40129 1998 QY_{45}	S 7.89727		2 p N	LCI-W
40131 1998 QJ_{48}	S 6.79377		2 p N	LCI-W
40132 1998 QL_{48}	>1.35	>0.42		SWF
40136 1998 QS_{56}	4.08	0.43	2	SWF
40146 1998 QR_{71}	8.047	0.46	2	SWF
40165 1998 QP_{102}	7.419	0.43	2 p	SWF
40170 1998 *RK*	7.614	0.43	2	SWF
40203 1998 SP_{27}	5.448	0.37−0.38	3	
40206 Lhenice			HN	DWF
40212 1998 SC_{58}	5.22778	0.33	2	DWF
40223 1998 SX_{142}	S 11.00092		2 p N	LCI-W
40228 1998 TR_{1}	3.40	0.23−0.28	2	SWF
40229 1998 TO_{3}	2.664	0.12	3−	
40231 1998 TS_{6}	36.261	0.73	2	SWF
40232 1998 *UD*	S 42.0699		2 p N	LCI-W
40234 1998 UG_{4}	4.007	0.66	2	SWF
40237 1998 VM_{6}	160.291	0.22	2	SWF
40240 1998 VV_{37}	17.0054	0.19	2	DWF
40249 1998 XM_{11}	11.5102	0.43	2	DWF
40250 1998 XG_{16}	20.90	0.32	2	
40254*1999 BB_{26}	18.8339	0.18−0.47	2−	DWF
40263*1999 FQ_{5}	28.00	0.27−0.63	2	
40267 1999 GJ_{4}	4.9567	0.67−1.11	3 p	
40272 1999 JA_{7}	193.299	0.72	2	DWF
40273 1999 JS_{7}	2.763	0.04	1	SWF
40278 1999 JC_{34}	4.845	0.12	2	SWF
40279*1999 JD_{35}	6.656	0.30−0.76	2	SWF

Planet	Period	Variation	Note	Survey
40282*1999 JD_{48}	7.740	0.74−0.82	2	SWF
40284 1999 JE_{52}			HN	DWF
40287 1999 JS_{61}		0.62		SWF
40314 1999 KR_{16}	11.7	0.12−0.18	2	
40319 1999 LR_{11}	2.745	0.11	2	SWF
40321 1999 LA_{21}	5.287	0.99	2	SWF
40326 1999 MA	6.481	>0.9	2	
40328 Dow		>0.2		
40329 1999 ML	47.0	0.40	2	
40331 1999 MS_{1}	4.481	0.51−0.52	2	SWF
40333 1999 NO_{1}	8.85475	0.34	2	DWF
40335 1999 NJ_{5}	29.1138	0.14	2	DWF
40343 1999 NH_{9}	7.63165	0.39	2	DWF
40349 1999 NF_{11}	5.8758	0.65	2	DWF
40353 1999 NB_{13}	S 6.05433		2 p N	LCI-W
40359 1999 NT_{20}	3.471	0.27	2	SWF
40360 1999 NE_{21}	6.295	0.94	2	SWF
40366*1999 NF_{27}	8.478	0.99−1.06	2+	
40370*1999 NZ_{28}	7.38	0.36−0.88	3−	SWF
40379 1999 NG_{41}	96.239		2	SWF
40383 1999 NW_{47}	8.182	0.07	1	SWF
40387 1999 NL_{49}	8.35631	0.29	2	DWF
40390 1999 NR_{51}	3.10	0.29	2	SWF
40391 1999 NR_{52}	71.6392	0.26	2	DWF
40397*1999 NY_{55}	76.1465	0.61	2 p	DWF
40402 1999 NY_{64}	9.443	0.52	2	SWF
40404 1999 OB	2.696	0.08	1	SWF
40408 1999 RO_{2}	9.217	0.43	2	SWF
40409 Taichikato	6.588		2−	SWF
40417 1999 RD_{16}	47.4782	0.27	2	DWF
40418 1999 RK_{19}	16.903	0.10	1	SWF
40429*1999 RL_{27}	430.	0.81	2−	DWF
40434 1999 RH_{32}	31.132	0.79	2	DWF
40443 1999 RU_{35}	98.8859	0.64	2	DWF
40453 1999 RX_{38}	17.442	0.51	2	SWF
40456 1999 RV_{41}	11.03	0.52	2	SWF
40459 Rektorys	38.034	0.74	2	SWF
40462 1999 RC_{44}	8.643	0.36	2	SWF
40463 Frankkameny	56.555	0.51	2	SWF
40468 1999 RF_{46}	11.118	0.89	2	SWF
40478 1999 RT_{54}	S 3.886734		2 p N	LCI-W
40491 1999 RJ_{68}	3.89	0.18	2−	SWF
40496 1999 RD_{76}	6.536	0.51	2	SWF
40497 1999 RR_{78}	5.896	0.41	2	SWF
40501 1999 RM_{82}	217.907	0.59	2	SWF
40511 1999 RE_{88}	1.96	1.04	3−	SWF
40512 1999 RP_{88}	8.44	0.25	2−	SWF
40520 1999 RG_{95}	3.211	0.41	2	SWF
40529 1999 RC_{99}	42.0916	0.80	2	DWF
40532 1999 RY_{100}	17.948	0.37	2	SWF
40543 1999 RZ_{107}	8.421	0.47	2	SWF
40544 1999 RA_{108}	62.8702	0.49	2	DWF
40547 1999 RH_{111}	3.02	0.15	2	SWF
40559 1999 RO_{118}	4.81	0.30	1	
40562 1999 RB_{121}	154.184	0.18	2	DWF
40563 1999 RZ_{122}	5.534	0.69	2	SWF
40573 1999 RE_{130}	4.318	0.28	2	SWF
40574 1999 RO_{130}	5.346	0.48	2	SWF
40576 1999 RM_{133}	22.679	0.33	2	SWF
40582 1999 RC_{137}	4.16	0.86	2+	SWF
40586 1999 RZ_{140}	>3.72	>0.15		SWF
40587 1999 RB_{141}	>5.40	>0.08		SWF
40588 1999 RF_{141}	63.3685	0.36	2	DWF
40591 1999 RR_{142}	6.99719	0.28	2	DWF
40594 1999 RW_{146}	10.385		2−	SWF
40623*1999 RO_{170}	4.022	0.28−0.32	2	SWF
40625 1999 RJ_{172}	3.336	0.19	2	SWF
40626 1999 RP_{172}	93.0788	0.45	2	DWF
40629 1999 RX_{173}	5.01429	0.46	2	DWF
40636 1999 RW_{179}	96.0672	0.62	2	DWF
40642 1999 RW_{181}	S 4.856372		2 p N	LCI-W
40651 1999 RJ_{189}	10.829	0.44	2	SWF
40652 1999 RP_{189}				SWF
40654 1999 RH_{191}	6.62	0.77	2	SWF
40656 1999 RY_{191}	14.931	0.42	2	SWF
40663 1999 RR_{195}	6.423	0.20	2	DWF
40664 1999 RF_{196}	9.61	0.38	2	
40670 1999 RW_{201}	78.1947	0.67	2	DWF
40677 1999 RP_{206}	101.639	0.22	2	DWF
40682 1999 RM_{211}	3.300	0.26	2	SWF

Planet	Period	Variation	Note	Survey
40683 1999 RB_{213}	2.545	0.12	2	SWF
40701 1999 RG_{235}	3.63	1.2	3− p	
40709 1999 RW_{242}	14.536	0.34	2	SWF
40710 1999 RS_{245}	5.079	0.23	2	DWF
40716 1999 SL	11.704	0.23	2	SWF
40717*1999 SC_{2}	3.436	0.11−0.22	2	SWF
40727 1999 SQ_{11}	4.27	0.20	2	SWF
40734 1999 SB_{19}	S 6.61769		2 p N	LCI-W
40752 1999 TO_{7}	>0.92	>0.41		SWF
40759 1999 TY_{9}	263.596	0.68	2	DWF
40760 1999 TH_{11}	15.0624	0.26	2	DWF
40775 Kalafina	>5.40	>0.13		SWF
40776 Yeungkwongyu	3.098	0.40	2	SWF
40779*1999 TY_{25}	16.178	0.30−0.33	2	SWF
40791 1999 TO_{33}	3.133	0.15	1	SWF
40797 1999 TM_{37}	8.722	0.25	2	SWF
40806 1999 TX_{41}	S 6.41500		2 p N	LCI-W
40830 1999 TV_{93}	20.3135	0.27	2	DWF
40832 1999 TH_{95}	S 14.84511		2 p N	LCI-W
40844 1999 TS_{101}	>5.33	>0.29		SWF
40845 1999 TL_{102}	15.4682	0.18	2	DWF
40852 1999 TX_{105}	S 5.327753		2 p N	LCI-W
40853 1999 TA_{106}	21.223	0.20	2	DWF
40855 1999 TG_{108}	11.783	0.24	2	SWF
40866 1999 TU_{117}	10.9372	0.41	2	DWF
40867 1999 TD_{118}	>3.72	>0.13		SWF
40869 1999 TN_{118}	424.471	0.24	2	DWF
40872 1999 TB_{121}	>1.00	>0.10		SWF
40876*1999 TH_{123}	4.710	0.25−0.35	2	SWF
40880 1999 TA_{125}	9.32	0.50	2	SWF
40890 1999 TE_{133}	5.229	0.28	2	SWF
40891 1999 TH_{136}	2.916	0.23−0.25	2	SWF
40893 1999 TL_{138}	112.954	0.35	2	SWF
40901 1999 TG_{143}	14.114	0.46	2	SWF
40902 1999 TY_{143}	161.034	0.45	2	DWF
40903*1999 TB_{144}	8.699	0.27−0.39	2	SWF
40914 1999 TH_{155}	10.98	0.13	2	SWF
40915 1999 TT_{155}	>4.37	>0.18		SWF
40921 1999 TR_{171}	6.662	0.35	2+	
40941 1999 TS_{211}	5.319	0.26	2	SWF
40952 1999 TD_{231}	>5.40	>0.13		SWF
40955 1999 TQ_{241}	324.493	0.52	2	DWF
40974 1999 TS_{269}	86.0425	0.30	2	DWF
40994 Tekaridake	337.361	0.34	2	DWF
40996 1999 UO_{5}	4.93809	0.22	2	DWF
40998 1999 US_{7}	2.924	0.41	2	SWF
41005 1999 UJ_{13}	5.55	0.99	3− p	SWF
41006 1999 UM_{13}	3.33	1.04	2	SWF
41009 1999 UG_{15}	>2.02	>0.17		SWF
41012 1999 UD_{17}	6.334	0.28−0.29	2	SWF
41014 1999 UP_{23}	107.73	0.63	2	DWF
41015 1999 UB_{24}	24.565	0.25	2	SWF
41025 1999 UY_{38}	3.50385	0.49	2	DWF
41030 1999 UQ_{46}	2.65	0.19	2	SWF
41033 1999 UW_{48}	10.1765	0.14	2	DWF
41037 1999 US_{51}	>1.0	>0.19		SWF
41039 1999 UX_{56}	246.770	0.82	2	SWF
41042 1999 VB_{2}	20.384	0.88	2 p	SWF
41044 1999 VW_{6}	2.734	0.21	3	
41047 1999 VP_{7}	7.848	0.62	2	SWF
41051 1999 VR_{10}	4.04	0.55	2+ p	
41056 1999 VX_{20}	S 5.99719		2 p N	LCI-W
41061 1999 VD_{28}	5.57042	0.40	2	DWF
41070 1999 VS_{34}	3.482	0.16	2	SWF
41076 1999 VH_{43}	12.461	0.99	2	SWF
41079 1999 VP_{45}	12.458	0.76	2	SWF
41080 1999 VX_{45}	5.499	0.14	2	SWF
41083 1999 VO_{50}	S 26.0375		2 p N	LCI-W
41106 1999 VL_{69}	7.867	0.22	2	SWF
41107 Ropakov	16.9153	0.10	2	DWF
41111 1999 VF_{80}	28.2054	0.43	2	DWF
41171 1999 VJ_{176}	8.08236	0.41	2	DWF
41184 1999 VW_{199}	29.4271	0.19	2	DWF
41185 1999 VJ_{200}	4.97	0.39	1+	
41204 1999 WX_{8}	38.227	0.55	2	SWF
41210 1999 WN_{18}	2.232	0.07	1	SWF
41213 Mimoun	51.069	0.19	2	DWF
41223 1999 XD_{16}	32.52	0.48	3−	
41244 1999 XY_{30}	29.7602	0.13	2	DWF
41247 1999 XQ_{39}	3.757	0.54	2	SWF

Planet	Period	Variation	Note	Survey
41249 1999 XJ_{40}	11.093	0.32−0.36	2	SWF
41250 1999 XA_{41}	8.641	0.90	2	SWF
41262 1999 XZ_{55}	3.43	0.24	2	SWF
41267 1999 XK_{60}	7.29	0.38	2	SWF
41276 1999 XG_{83}	5.12	0.84	2	SWF
41288 1999 XD_{107}	4.36	0.36	3−	
41290 1999 XB_{108}	7.365	0.39	2	SWF
41305 1999 XK_{143}	16.7033	0.30	2	DWF
41308 1999 XA_{154}	5.040	0.16	2	SWF
41313 1999 XD_{168}	16.414	0.49	2	SWF
41316 1999 XJ_{187}	237.591	0.22	2	DWF
41327 1999 XD_{217}	5.104	0.37	2+	
41328 1999 XP_{220}	7.31861	0.18	2	DWF
41345 2000 AB_{18}	4.40597	0.56	2	DWF
41347 2000 AR_{22}	8.224	0.64	2	SWF
41354 2000 AW_{33}	S 16.9963		2 p N	LCI-W
41358 2000 AJ_{54}	4.891	0.81	2 p	SWF
41362 2000 AJ_{81}	3.931	0.67	2	SWF
41363 2000 AA_{90}	6.98702	0.62	2	DWF
41369 2000 AG_{100}	6.124	0.54	2	SWF
41371 2000 AB_{101}	13.847	0.55−0.62	2	SWF
41375 2000 AD_{102}	5.181	0.50	2	SWF
41388 2000 AJ_{140}	13.037	0.86	2	DWF
41390 2000 AX_{145}	15.769	0.20	2	DWF
41393 2000 AV_{151}	5.30	0.09	2−	
41394 2000 AW_{162}	S 25.0200		2 p N	LCI-W
41396 2000 AG_{175}	2.779	0.22−0.23	2	SWF
41397*2000 AS_{175}	6.507	0.21−0.31	2	SWF
41404 2000 AG_{187}	S 61.538		2 p N	LCI-W
41405 2000 AS_{187}	4.898	0.36	2	SWF
41418 2000 AR_{233}	15.5703	0.32	2	DWF
41424 2000 CK_{40}	48.0	0.35	2 T0	
41433 2000 GY_{51}	14.3963	0.08	2	DWF
41434 2000 GB_{82}	4.132	0.17	3−	
41435*2000 GQ_{89}	8.727	0.31−0.47	2	SWF
41437 2000 GT_{122}	2.991	0.06	1	SWF
41443 2000 JD_{73}	193.107	0.59	2	SWF
41453 2000 MJ_{4}	6.173	0.40	2	SWF
41454 2000 MQ_{5}	7.609	0.51	2	SWF
41467 2000 OG_{29}	6.8	0.80	2 A	
41472 2000 OA_{59}	15.1491	0.33	2	DWF
41476 2000 PC_{14}	4.665	0.61	2	SWF
41484 2000 QB_{44}	6.46865	0.45	2	DWF
41487 2000 QL_{64}	>0.92	>0.46		SWF
41488 Sindbad	8.044	0.28	3	
41496 2000 QB_{118}	10.235		2−	SWF
41503 2000 QG_{148}	42.81	1.00	2+ T0	
41508 2000 QY_{160}	>0.72	>0.17		SWF
41510 2000 QU_{171}	>24.		N	
41514 2000 QR_{180}	123.67	0.65	2	DWF
41515 2000 QL_{181}	8.291	0.43	2	SWF
41523 2000 QD_{217}	93.6743	0.29	2	DWF
41530 2000 RD_{9}	48.087		2−	SWF
41531 2000 RN_{9}	5.540	0.73−1.07	2	SWF
41532 2000 RO_{9}	5.856	0.24−0.31	2	SWF
41543 2000 RU_{40}	33.0841	0.15	2	DWF
41545*2000 RA_{43}	6.283	0.51−0.58	3	
41546 2000 RZ_{45}	8.403		2−	SWF
41547 2000 RA_{46}	3.86517	0.23	2	DWF
41554 2000 RH_{53}	4.710	0.57	2	SWF
41555 2000 RT_{53}	13.0732	0.35	2	DWF
41556 2000 RC_{54}	3.368	0.33	2	SWF
41558 2000 RG_{57}	68.0022	0.28	2	DWF
41559 2000 RD_{60}	262.082	0.68	2	DWF
41561 2000 RQ_{66}	7.05	0.15	2	
41564 2000 RX_{71}	13.6903	0.24	2	DWF
41572 2000 RL_{92}	107.967	0.34	2	DWF
41577 2000 SV_{2}	34.59	0.37	2	
41578 2000 SE_{3}	6.08996	0.64	2	DWF
41588 2000 SC_{46}	5.8325	0.40−0.43	3	
41589 2000 SJ_{46}	5.36494	0.39	2	DWF
41597 2000 ST_{72}	27.775	0.11	2	DWF
41609*2000 SR_{117}	161.165	0.23	1+	DWF
41614 2000 SX_{145}	5.032	0.60	2	SWF
41623 2000 SN_{167}	3.59023	0.22	2	DWF
41633 2000 SR_{216}	10.9932	0.31	2	DWF
41639*2000 SD_{227}	7.087	0.50−0.59	2	SWF
41652 2000 SA_{294}	14.532	0.48	2	SWF
41653 2000 SC_{294}	2.007	0.08	1	SWF
41659 2000 SP_{358}	3.28751	0.18	2	DWF
41660 2000 SV_{362}	77.2	0.65	2+ T0	
41667 2000 TE_{19}	6.36899	0.61	2	DWF
41670 2000 TC_{29}	6.64625	0.22	2	DWF
41672 2000 TX_{36}	31.8	0.06	1 HN	DWF
41689 2000 UW_{18}				
41690 2000 UR_{19}	5.88436	0.41	2	DWF
41699 2000 UT_{46}	4.601	0.28	2	SWF
41707 2000 UU_{55}	13.3441	0.44	2	DWF
41709*2000 UH_{56}	3.40907	0.29	2 p	DWF
41712 2000 UZ_{68}	8.904		2−	SWF
41714 2000 UO_{72}	9.415	0.77	2	SWF
41716 2000 UP_{76}	10.00	0.26	2−	SWF
41730 2000 UF_{96}	18.224	0.61	2	SWF
41736*2000 UN_{102}	3.823	0.14−0.15	2	SWF
41749 2000 VD_{27}	48.522		2−	SWF
41751 2000 VT_{29}	31.0971	0.39	2	DWF
41752 2000 VF_{30}	6.03514	0.21	2	DWF
41753 2000 VH_{30}	22.0738	0.17	2	DWF
41778 2000 VB_{50}	8.553	0.46	2	SWF
41785 2000 VF_{56}	5.50279	0.81	2	DWF
41787 2000 VO_{57}	4.67331	0.24	2	DWF
41789 2000 VW_{60}	8.932	0.91	2	SWF
41792 2000 WH_{6}	451.616	0.67	2	DWF
41793 2000 WW_{6}	2.94	0.27	2	SWF
41797 2000 WN_{18}	10.144	0.39	2	SWF
41799*2000 WL_{19}	6.27753	0.82	2 p	DWF
41802 2000 WD_{24}	6.199		2	SWF
41806 2000 WF_{32}	472.106	0.39	2	DWF
41807 2000 WS_{33}	5.717		2−	SWF
41811 2000 WK_{35}	7.482	0.78	2	SWF
41814 2000 WP_{36}	11.595	0.58	2	SWF
41830 2000 WT_{56}	16.7468	0.15	2	DWF
41832 2000 WB_{58}	12.361	0.61−0.73	2	SWF
41838 2000 WK_{59}	23.9844	0.19	2	DWF
41847 2000 WK_{86}	8.229	0.14	2	SWF
41852 2000 WN_{87}	7.707	0.34	2	SWF
41860 2000 WW_{95}	5.395		2−	SWF
41867 2000 WB_{99}	29.581	0.40	2	SWF
41869 2000 WK_{99}	2.59	0.18	1+	SWF
41874 2000 WY_{100}	5.890	0.40	2	SWF
41875 2000 WZ_{100}	S 12.87363		2 p N	LCI-W
41881 2000 WH_{109}	3.24	0.25−0.28	2	SWF
41883 2000 WF_{111}	3.621	0.08	1	SWF
41884 2000 WO_{113}	10.9905	0.17	2	DWF
41909 2000 WO_{141}	8.95238	0.78	2	DWF
41915 2000 WJ_{152}	20.3065	0.36	2	DWF
41916*2000 WT_{152}	9.630	0.33−0.42	2	SWF
41917 2000 WC_{153}	412.631	0.09	1	SWF
41919 2000 WW_{156}	10.964	0.30	2	SWF
41922 2000 WT_{158}	10.615		2	SWF
41928 2000 WQ_{172}	88.909	0.37	2	DWF
41945 2000 XY_{5}	20.753	0.21	2	DWF
41947 2000 XW_{7}	18.5777	0.12	2	DWF
41953 2000 XK_{16}	6.014	0.49	2	SWF
41964 2000 XW_{36}	15.480	0.69	2 p	SWF
41966 2000 XU_{37}	15.906	0.37	2	SWF
41967 2000 XE_{39}		0.55		SWF
41971 2000 YM_{6}	2.873	0.20	2	SWF
41976 2000 YA_{15}	4.077	0.09	1	SWF
41982 2000 YE_{21}	19.965		2	SWF
41986 Fort Bend	>5.48	>0.10		SWF
41993 2000 YD_{38}	180.005	0.27	2	DWF
42002 2000 YU_{47}	11.71	0.87	2−	
42004 2000 YJ_{49}	2.52	0.20	1	
42017 2000 YU_{72}	60.1538	0.24	2	DWF
42024 2000 YX_{82}	7.242	0.51	2	SWF
42028 2000 YT_{88}	55.8391	0.29	2	DWF
42044 2000 YF_{102}	12.944	0.19	2	SWF
42047 2000 YV_{105}	>1.13	>0.10		SWF
42048 2000 YE_{107}	7.146	0.60	2	SWF
42055 2000 YB_{112}	8.28	0.41	2	SWF
42061 2000 YE_{116}	6.07	0.75	2	SWF
42062 2000 YR_{118}	26.2747	0.17	2	DWF
42070 2000 YM_{136}	>1.97	>0.18		SWF
42075*2001 AL_{3}	6.76	0.13−0.43	3−	SWF
42109 2001 AX_{44}	7.15141	0.60	2	DWF
42112 2001 AF_{48}	8.14211	0.17	2	DWF
42114 2001 BH_{4}	10.94	0.28	2	
42119 2001 BP_{7}	11.1391	0.47	2	DWF
42127 2001 BT_{15}	17.043	0.41	2	SWF

Planet	Period	Variation	Note	Survey
42129 2001 BG_{17}	13.3773	0.15	2	DWF
42130 2001 BW_{19}	8.795	0.54	2	SWF
42151 2001 BD_{54}	8.794	0.10	1	SWF
42155 2001 BA_{63}	159.015	0.30	2	DWF
42158*2001 BT_{70}	13.655	0.31−0.43	2	SWF
42179 2001 CP_{25}	7.577	0.53	2	SWF
42189 2001 CJ_{33}	28.166	0.69	2	SWF
42195 2001 DO_{17}	268.752	0.92	2	SWF
42205 2001 DT_{38}	9.75923	0.26	2	DWF
42218 2001 DN_{59}	32.263	0.34	2	SWF
42237 2001 EG_{21}	6.38	0.35	2+	
42244 2001 FH_{65}	3.71	0.20	2	SWF
42245 2001 FB_{88}	>1.65	>0.07		SWF
42247 2001 FU_{156}	3.304	0.33−0.46	2	SWF
42256 2001 OA_{63}	5.181	0.20	2	SWF
42258 2001 OZ_{68}	5.133		2−	SWF
42259 2001 OD_{81}	4.826	0.31−0.32	2	SWF
42260 2001 OX_{82}	16.9459	0.25	2	DWF
42262 2001 PE_{6}	6.269	0.79	2	SWF
42264 2001 QZ_{30}	9.77	0.99−1.20	2 p	
42265 2001 QL_{69}	8.6	0.85	2 p	
42267 2001 QJ_{81}	3.1520	0.15	3	
42271 Keikokubota	18.289	0.43	2	SWF
42273 2001 QO_{245}	19.01	0.24	2+	
42282 2001 SB_{283}	109.731	0.83	2	SWF
42284 2001 TV_{8}	5.1053	0.70	3 p	
42285 2001 TN_{40}	2.94028	0.11	2	DWF
42286 2001 TN_{41}	77.9	0.44	2+ T-	
42289 2001 TY_{105}	8.12796	0.26	2	DWF
42295 Teresateng	3.247		2	SWF
42297 2001 UL_{73}		0.76		SWF
42301 2001 UR_{163}		<0.08		
42306*2001 VU_{46}	13.3557	0.26	2−	DWF
42307 2001 VC_{48}	6.11	0.13	2	SWF
42310 2001 VB_{88}	5.05424	0.42	2	DWF
42314 2001 VQ_{121}	9.4	1.	1+	
42341 2002 AK_{34}	66.3616	0.48	2	DWF
42342 2002 AU_{58}	85.4418	0.31	2	DWF
42352 2002 CV_{32}	68.9069	0.56	2	DWF
42353 2002 CZ_{41}	87.3693	0.74	2	DWF
42355 Typhon	>5.	>0.15	2− B	
42367 2002 CQ_{134}	47.74	0.71	2	
42374 2002 CB_{175}	88.9021	0.26	2	DWF
42379 2013 $P–L$	5.33	0.69−0.82	2	SWF
42454 4134 $T–3$	8.723	0.42	2	SWF
42467 1978 VX_{6}	15.417	0.36	2	SWF
42474 1981 EJ_{27}	13.62	0.70	1 DA	SWF
42490 1991 SU	7.953	0.54−0.78	2 p	SWF
42496 1991 XB_{1}	4.612	0.19	2 p	SWF
42500 1992 RV_{6}	110.197	0.63	2	SWF
42511 1993 FD_{77}	4.39	0.35−0.43	2	SWF
42512 1993 FW_{81}	14.9996	0.39	2	DWF
42516 Oistrach	2.611	0.18	2	SWF
42518 1994 AH_{6}	4.41676	0.24	2	DWF
42526 1994 PA_{36}	10.420	0.25−0.28	2	SWF
42535 1995 VN_{9}	2.37	0.1	1+	
42542 1996 AX	1.41943	0.21	2	DWF
42545 1996 FR_{2}	116.921	0.43	2	DWF
42549 1996 HJ_{17}	4.453	0.72	2	SWF
42564 1996 XF_{23}	5.084		2	SWF
42565 1996 XF_{24}	12.0734	0.23	2	DWF
42566 Ryutaro	6.40892	0.36	2	DWF
42567 1996 XF_{33}	18.996		2−	SWF
42572 1997 AO	6.71526	0.69	2	DWF
42573*1997 AN_{1}	3.887	0.34−0.55	2	SWF
42590 1997 GW_{34}	9.18833	0.55	2	DWF
42600 1997 YF_{10}	7.7712	0.70−0.90	3	
42604 1998 BT_{15}	3.420	0.19	2	SWF
42612 1998 EL_{3}	9.0	0.32	2−	
42613 1998 EC_{4}	9.15688	0.45	2	DWF
42623 1998 FT_{27}	5.581	0.38	2	SWF
42642 1998 FQ_{66}	3.647	0.18	2	SWF
42644 1998 FE_{67}	>16.	>0.3	2−	SWF
42653 1998 FE_{88}	5.495	0.81−0.88	2	SWF
42655 1998 FU_{108}	5.168	0.64	2	SWF
42662 1998 FQ_{133}	2.628	0.15	2	SWF
42671 1998 HQ_{68}	3.65642	0.23	2	DWF
42672 1998 HL_{91}	6.189		2−	SWF
42675 1998 HW_{119}	3.21154	0.23	2	DWF
42685 1998 JY	60.5186	0.25	2	DWF

Planet	Period	Variation	Note	Survey
42695 1998 KM_{54}	16.058	0.57	2 p	SWF
42700 1998 MO_{10}	7.381	0.40	2	SWF
42701 1998 MD_{13}	2.603	0.09−0.19	3	
42714 1998 QW_{38}	S 9.59611		2 p N	LCI-W
42731 1998 QJ_{106}	26.9792	0.16	2	DWF
42734 1998 RH_{19}	56.1683	0.27	2	DWF
42741 1998 RW_{65}	5.05	0.49	3	SWF
42749 1998 SL_{25}	S 6.97656		2 p N	LCI-W
42756 1998 SA_{63}	>1.50	>0.39		SWF
42776 Casablanca	19.6576	0.15	2	DWF
42777 1998 UY_{30}	>3.72	>0.29		SWF
42787 1998 WC_{16}	313.888	0.67	2	DWF
42789 1998 XP_{74}	21.4805	0.24	2	DWF
42795 1999 CO_{12}	19.6686	0.10	2	DWF
42800 1999 FB_{28}	16.8336	0.45	2	DWF
42807 1999 JM_{12}	2.8116	0.14	2	DWF
42810 1999 JP_{72}	20.2537	0.10	2	DWF
42811 1999 JN_{81}	3.902	0.14−0.18	3	
42813 1999 JU_{121}	143.213	0.62	2	DWF
42816 1999 NZ_{1}	4.09577	0.71	2	DWF
42835 1999 NS_{56}	2.49	0.17	2+	
42843 1999 RV_{11}	894.	1.32	2 T	
42849 Podjavorinska	6.123	0.34	2	SWF
42852 1999 RX_{52}	30.4563	0.30	2	DWF
42858 1999 RL_{88}	11.195		2−	SWF
42866 1999 RJ_{104}	42.227	0.11	2	SWF
42870 1999 RM_{120}	4.30	0.43−0.52	3−	SWF
42872 1999 RB_{124}	2.56	0.17	2	SWF
42876 1999 RS_{132}	35.317	0.16	2	DWF
42884 1999 RF_{148}	3.07	0.19	2	SWF
42891 1999 RH_{169}	5.154	0.32	2	SWF
42892 1999 RF_{180}	18.507	0.41	2	DWF
42894 1999 RM_{181}	>3.72	>0.08		SWF
42904*1999 RV_{202}	4.64	0.39−0.85	2	SWF
42909 1999 RH_{218}	5.49	0.81	3−	SWF
42915 1999 RD_{232}	5.504	0.64	2	SWF
42917 1999 SU_{1}	13.731	0.55	2	SWF
42918 1999 SK_{4}	4.393	0.23	2	SWF
42920 1999 SA_{8}	4.903	0.19	2	SWF
42922 1999 SP_{8}	7.3392	0.25	2	DWF
42923 1999 SR_{18}	8.392	1.20	3 p	
42929 Francini	3.530	0.10	1	SWF
42930*1999 TM_{11}	3.576	0.26−0.28	3	
42939 1999 TJ_{31}	4.97	0.27	2	SWF
42945 1999 TW_{94}	46.4145	0.44	2	DWF
42946*1999 TU_{95}	3.40815	0.20−0.41	3	
42950*1999 TF_{101}	7.672	0.42−0.76	2	SWF
42953 1999 TK_{109}	2.67	0.12−0.18	2	SWF
42955 1999 TK_{121}	46.747		2	SWF
42970 1999 TD_{174}	18.46	0.72	2	SWF
42978*1999 TL_{219}	5.118	0.25−0.34	2	SWF
42979 1999 TR_{220}	3.498	0.38−0.56	2	SWF
42985 1999 TR_{230}	70.571	0.44	2	SWF
42987 1999 TB_{242}	359.032	0.28	2	DWF
42992 1999 TH_{260}	>36.	>0.7		SWF
42993 1999 TP_{270}	3.818	0.34−0.49	2	SWF
43003 1999 UC_{14}	5.459	0.12	2	
43005 1999 UA_{17}	6.744	0.29	2	SWF
43008*1999 UD_{31}	2.64138	0.09	2 B	
43019 1999 VG_{3}	>1.15	>0.10		SWF
43027 1999 VA_{23}	35.6464	0.38	2	DWF
43029 1999 VT_{24}	6.279	0.61	2	SWF
43032 1999 VR_{26}	32.890	0.51−0.60	2	
43033 1999 VT_{29}	5.91015	0.42	2	DWF
43035 1999 VO_{35}	26.6945	0.15	2	DWF
43043 1999 VN_{49}	6.532	0.53	2	SWF
43052 1999 VJ_{71}	146.914	0.53	2	SWF
43054 1999 VU_{78}	3.028		2	SWF
43058 1999 VT_{92}	19.213		2−	SWF
43064 1999 VK_{114}	8.856	0.6	1	
43065 1999 VZ_{124}	54.8201	0.16	2	DWF
43076 1999 VW_{189}	7.851	0.30	2	SWF
43085 1999 WE_{2}	19.305	0.38	2	DWF
43088 1999 WO_{9}	44.0573	0.96	2	DWF
43089 1999 WP_{12}	36.2149	0.27	2	DWF
43098 1999 XD_{14}	5.342	0.52	2	SWF
43101 1999 XX_{18}	3.974	0.46	2	SWF
43126 1999 XL_{64}	>0.67	>0.09		SWF
43136 1999 XE_{85}	6.95455	0.43	2	DWF
43141 1999 XR_{91}	9.54161	0.17	2	DWF

Planet	Period	Variation	Note	Survey
43142 1999 XQ_{93}	4.073	0.19	2	SWF
43146 1999 XN_{102}	12.8425	0.22	2	DWF
43148 1999 XB_{106}	7.7	0.05	1	
43149 1999 XU_{107}	5.35148	0.24	2	DWF
43152 1999 XM_{115}	11.996	0.94	2	SWF
43153 1999 XC_{118}	S 3.463976		2 p N	LCI-W
43157 1999 XT_{120}	9.869	0.55	2	SWF
43161 1999 XW_{123}	122.72	0.26	2	DWF
43162 1999 XE_{126}	161.003	0.64	2	SWF
43163 1999 XB_{127}	S 5.20660		2 p N	LCI-W
43166 1999 XO_{156}	51.997	1.06	2	SWF
43168 1999 XO_{161}	3.02778	0.29	2	DWF
43169 1999 XE_{167}	63.0953	0.17	2	DWF
43174 1999 XF_{180}	>16.		N	
43181 1999 XY_{206}	17.059	0.82	2	SWF
43183 1999 XK_{213}	3.28	0.46	2−	
43191 1999 YM_{5}	61.486	0.16	2	DWF
43198 2000 AD_{62}	10.413	0.30	2	SWF
43203 2000 AV_{70}	14.83	0.60	2	
43204 2000 AA_{71}	4.032	0.81	2	SWF
43217 2000 AE_{139}	9.397		2−	SWF
43218 2000 AE_{143}	S 3.464356		2 p N	LCI-W
43235 2000 AX_{197}	4.5508	0.53	2	DWF
43239 2000 AK_{238}	15.825	0.34	2+	
43248 2000 BD_{26}	73.152	0.49	2	SWF
43259 Wangzhenyi	2.9362	0.23−0.26	3	
43269*2000 DO_{98}	3.29	0.22−0.26	2	SWF
43274 2000 ER_{56}	5.25	0.69	3	SWF
43277 2000 EZ_{96}	183.027	0.67	2	DWF
43281 2000 EL_{137}	21.8438	0.19	2	DWF
43285 2000 ED_{156}	46.754	0.27	2	DWF
43286 2000 EA_{158}	2.077	0.09	1	SWF
43288 2000 FB_{16}	442.572	0.65	2	DWF
43291 2000 FY_{48}	89.417	0.48	2	SWF
43299 2000 GD_{73}	7.11	0.51	1	SWF
43303 2000 GO_{133}	17.9131	0.22	2	DWF
43304 2000 GZ_{133}	3.11569	0.23	2	DWF
43315 2000 JB_{18}	7.478		2−	SWF
43321 2000 JR_{52}	4.75	1.02	2−	SWF
43325 2000 KY_{50}	2.738	0.05	1	SWF
43331 2000 PS_{6}	7.338	0.53	3	
43339 2000 RM_{10}	52.	0.23	2−	
43343 2000 RY_{81}	6.54168	0.36	2	DWF
43359 2000 UF_{41}	5.697	0.70	2	SWF
43365 2000 VA_{36}	6.422		2−	SWF
43379 2000 WN_{43}	45.1145	0.24	2	DWF
43384 2000 WP_{54}	45.8702	0.26	2	DWF
43388 2000 WA_{61}	5.272		2−	SWF
43390 2000 WF_{62}	265.96	0.50	2	DWF
43409 2000 WY_{147}	6.42792	0.43	2	DWF
43413 2000 WJ_{158}	22.6805	0.20	2	DWF
43423 2000 XQ_{41}	61.501	0.56	2	SWF
43426 2000 YD_{6}	12.00	0.53	1 DA	SWF
43454 2000 YD_{102}	15.174		2	SWF
43456 2000 YG_{117}	53.282		2−	SWF
43463*2001 AN_{5}	9.697	0.20−0.61	2	SWF
43464*2001 AA_{9}	101.649	0.42−0.75	2	SWF
43471 2001 AH_{32}	5.85	0.72	3−	SWF
43472*2001 AH_{33}	3.621	0.26−0.39	2	SWF
43481 2001 BC_{17}	14.496	0.16	2	SWF
43483 2001 BO_{38}	4.503	0.58	2	SWF
43484 2001 BF_{43}	S 84.287		2 p N	LCI-W
43490 2001 CL	544.777	0.81	2	DWF
43492 2001 CV	5.08	0.84	2+	SWF
43498 2001 CT_{19}	4.446	0.10	1	SWF
43502 2001 CY_{28}	7.919		2−	SWF
43505 2001 CK_{33}	41.9925	0.11	2	DWF
43513 2001 DG_{4}	6.184		2−	SWF
43524 2001 DQ_{30}	54.4985	0.71	2	DWF
43526 2001 DD_{37}	8.017	0.58−0.93	2	SWF
43534 2001 DZ_{78}	146.782	0.65	2	DWF
43537 2001 EF_{2}	3.76	0.26	1+	SWF
43540 2001 EY_{13}	34.2148	0.69	2	DWF
43542 2001 EC_{27}	3.021	0.15−0.17	2	SWF
43551 2001 FY_{28}	58.9144	0.56	2	DWF
43560 2001 FX_{64}	8.88408	0.21	2	DWF
43568 2001 FV_{134}	>1.73	>0.08		SWF
43578 2001 KD_{15}	6.50424	0.86	2	DWF
43583 2001 KR_{59}	3.0079	0.86	3	
43595 2001 QT_{101}	22.049	0.65	2	
43602 2001 SA_{316}	39.2864	0.17	2	DWF
43606*2001 XQ_{2}	87.	0.43−1.3	2− T?	
43607 2001 XO_{48}	4.924	0.65	2	SWF
43619 2002 CR_{66}	3.31	0.33	1+	SWF
43620 2002 CG_{79}	114.39	0.37	2	DWF
43621 2002 CK_{117}	2.98922	0.17	2	DWF
43628 2002 CA_{234}	30.5291	0.11	2	DWF
43645 2002 EM_{73}	2.657	0.22	2	SWF
43656*2002 ER_{104}	3.221	0.36−0.42	2	SWF
43661 2002 FY_{2}	506.386	0.68	2	DWF
43662 2002 FP_{8}	4.5	0.67	2	
43677 2002 HN	48.736	0.69	2	SWF
43689 2002 JY_{71}	7.547	0.61	2	SWF
43692 2160 P–L	3.46	0.16	2	
43695 4079 P–L	4.511	0.59	2	SWF
43696 4159 P–L	36.6844	0.20	2	DWF
43712*5054 T–2	62.824	0.30−0.35	2	SWF
43751 Asam	5.819	0.76	2	SWF
43759 1986 QW_{2}	68.154	0.10	1	SWF
43767 Permeke	252.449	0.38	2	DWF
43773 1989 AJ	7.553	0.07	1	SWF
43775 Tiepolo	S 8.42050		2 p N	LCI-W
43800 1991 PP_{13}	6.51	0.36−0.40	3	SWF
43807 1991 RC_{11}	337.813	0.18	2	SWF
43821 1992 RL_{3}	7.406	0.86	2	SWF
43829 1993 FB_{19}	16.5637	0.29	2	DWF
43857 1993 VP_{2}	545.192	0.43	2	DWF
43862 1994 EK_{1}	8.255		2−	SWF
43867 1994 PQ_{28}	5.434	0.64	2	SWF
43895 1995 UC_{4}	4.847	0.46	2 p	SWF
43896 1995 UL_{4}	35.960		2	SWF
43902 1995 VX_{4}	6.625		2	SWF
43904 1995 WO	200.	0.05−0.34	2−	
43922 1996 CE_{5}	7.090	0.56	2	SWF
43934 1996 TC	3.60	0.23−0.24	2	SWF
43941 1996 YP	5.374	0.67	2	SWF
43944 1997 AW_{1}	4.467	0.10	1	SWF
43960 1997 CE_{27}	2.84875	0.27	2	DWF
43963 1997 EW_{14}	6.832	0.29−0.30	2	SWF
43987 1997 JR_{9}	S 12.01876		2 p N	LCI-W
43991 1997 MF_{10}	4.155	0.46	2	SWF
43993 Mariola	5.4702	0.21	2	DWF
44002 1997 ST_{1}	12.775	0.46	2	SWF
44006 1997 TF_{17}	2.345	0.19−0.21	2	SWF
44016*Jimmypage	31.4	0.44−0.50	2	
44018 1997 WL_{36}	3.513		2−	SWF
44026 1997 YD_{11}	128.69	0.51	2	DWF
44027 Termain	33.0811	0.18	2	DWF
44028 1998 BD_{1}	3.527	0.64	2	SWF
44040 1998 DA_{35}	3.994	0.24	2	SWF
44047 1998 FL_{2}	113.763	0.16	2	DWF
44055 1998 FC_{30}	213.424	0.33	2	DWF
44060 1998 FU_{42}		0.06		
44077 1998 FW_{69}	3.973	0.16	2	SWF
44080 1998 FQ_{71}	9.692	0.78	2	SWF
44081 1998 FG_{75}	42.4276	0.23	2	DWF
44088 1998 FW_{101}	25.0184	0.37	2	DWF
44091 1998 FB_{106}	5.20	0.28	2	
44093 1998 FF_{109}	2.26458	0.54	2	DWF
44096 1998 FJ_{114}	4.02293	0.37	2	DWF
44101 1998 FT_{121}	>1.10	>0.12		SWF
44108 1998 HT_{4}	2.25	0.15	2	SWF
44127 1998 HQ_{43}	123.582	0.36	2	DWF
44139 1998 HZ_{92}			HN	DWF
44142*1998 HU_{96}	10.7920	1.11−1.17	3	
44144 1998 HG_{98}	3.469		2−	SWF
44147 1998 HB_{103}	43.916		2−	SWF
44171 1998 KR_{8}	16.8194	0.28	2	DWF
44173 1998 KH_{13}	>5.03	>0.22		SWF
44185 1998 KH_{54}	3.34695	0.40	2	DWF
44217 Whittle	9.7	0.58	2	
44237 1998 QC_{33}	525.255	0.71	2	DWF
44249 1998 QH_{42}	S 12.70795		2 p N	LCI-W
44262 1998 QR_{51}	76.9658	0.48	2	DWF
44263 Nansouty	3.54484	0.36	2	DWF
44266 1998 QV_{55}	5.3754	0.29	3−	
44283 1998 QP_{78}	4.587	0.34	3−	
44286 1998 QK_{83}	119.462	0.38	2	DWF
44294 1998 QE_{89}	57.4735	0.33	2	DWF
44295 1998 QU_{89}	6.62	0.84	2+	SWF

Planet	Period	Variation	Note	Survey
44296 1998 QM_{90}	6.49649	0.69	2	DWF
44301 1998 QM_{96}	14.6258	0.13	2	DWF
44304 1998 QD_{102}	3.97984	0.31	2	DWF
44320 1998 RJ_{31}	68.5178	0.79	2	DWF
44364 1998 SA_{22}	22.9564	0.39	2	DWF
44376 1998 SJ_{48}			HN	DWF
44384 1998 SJ_{61}	2.86	0.20	2	SWF
44400 1998 ST_{97}	10.522	0.69−0.89	2 p	SWF
44406 1998 SU_{127}	57.930	0.54	2	SWF
44413 1998 SR_{139}	9.52305	0.10	2	DWF
44417*1998 SS_{146}	S 7.63346	0.80	2 p	LCI-D
44423 1998 SP_{162}	8.70003	0.22	2	DWF
44427 1998 TC_{5}	80.501	0.29	2	DWF
44433*1998 TL_{30}	4.62	0.18−0.25	2	SWF
44440*1998 UM_{15}	2.965	0.27−0.31	2	SWF
44443*1998 UY_{19}	>1.12	>0.03		SWF
44446 1998 UJ_{21}	32.0748	0.23	2	DWF
44451 1998 UT_{30}	18.6881	0.19	2	DWF
44454 1998 UE_{43}	5.85337	0.26	2	DWF
44461 1998 VH_{17}	3.59104	0.45	2	DWF
44473 Randytatum	5.165	0.18	2	SWF
44503 1998 XR_{27}	3.107	0.25	2	SWF
44506 1998 XS_{39}	3.258	0.19	2	SWF
44510 1998 XB_{51}	2.33	0.19	2−	SWF
44513 1998 XT_{62}	35.1175	0.19	2	DWF
44518 1998 XQ_{86}	3.590	0.17	2	SWF
44530 Horáková	160.	2.68	1	
44532 1998 YA_{9}	2.749	0.29	2	SWF
44533 1998 YN_{9}	3.365	0.39	2	SWF
44534 1998 YZ_{9}	45.0	0.75	2 ADT0	SWF
44537 1999 AG	52.8239	0.31	2	DWF
44544 1999 AO_{23}	85.095	0.71	2	SWF
44569 1999 CG_{133}	5.514	0.54	2	SWF
44576 1999 GJ_{10}	>0.48	>0.25		SWF
44578 1999 GL_{25}	3.760	0.32−0.34	2	SWF
44579 1999 GR_{25}	4.60	0.67−0.87	3−	SWF
44581 1999 GB_{40}	4.73	0.75	3−	SWF
44584 1999 JO_{21}				SWF
44586 1999 JJ_{70}	17.5318	0.26	2	DWF
44588 1999 JF_{124}	4.880	0.18	2	
44594 1999 OX_{3}	9.26	0.11	2 1A	
44598*1999 PL_{6}	3.500	0.27−0.30	2	SWF
44600 1999 RU_{10}	6.211	0.81−1.09	3 p	
44603 1999 RT_{12}	4.342		2−	SWF
44612*1999 RP_{27}	4.9070	0.40−0.49	3 p	
44619 1999 RO_{42}	>1.0	>0.27		
44620*1999 RS_{43}	3.1393	0.11	2 p B	
44627 1999 RN_{71}	6.36	0.90	2	SWF
44628 1999 RQ_{75}	2.712	0.07	1	SWF
44633 1999 RB_{90}	5.904		2	SWF
44636 1999 RQ_{103}	6.58044	0.41	2	DWF
44644 1999 RY_{114}	9.527	0.63−0.73	2	SWF
44645 1999 RC_{118}	8.20221	0.18	2	DWF
44647 1999 RA_{129}	5.964	0.66	2	SWF
44665 1999 RF_{174}	10.154	0.50	2	SWF
44669 1999 RC_{182}	>1.0	>0.49		SWF
44673 1999 RE_{185}	6.033	0.74	2	SWF
44676 1999 RG_{187}	6.791		2−	SWF
44681 1999 RZ_{195}	17.337	0.20	2	SWF
44683 1999 RR_{197}	103.785	0.72	2	SWF
44684 1999 RY_{197}	228.029	0.81	2	DWF
44686 1999 RN_{200}	75.433	0.33	2	SWF
44694 1999 RT_{234}	2.87	0.28	2	SWF
44700 1999 SG_{3}	17.8838	0.69	2	DWF
44701 1999 SD_{7}	46.698		2−	SWF
44709 1999 TV_{1}	2.867		2	SWF
44719 1999 TP_{9}	43.888		2	SWF
44720 1999 TS_{9}	81.9373	0.66	2	DWF
44734 1999 TJ_{25}	60.0272	0.21	2	DWF
44742 1999 TK_{40}	4.477	0.49	2	SWF
44757 1999 TF_{113}	6.87689	0.23	2	DWF
44760 1999 TJ_{114}	26.6	0.1	1	SWF
44762 1999 TZ_{115}	7.65689	0.63	2	DWF
44763 1999 TM_{116}	7.915	0.86	2	SWF
44767 1999 TK_{124}	2.880	0.21−0.22	2	SWF
44779 1999 TM_{153}	7.43	0.11	2 A	
44781 1999 TO_{154}	319.795	0.39	2	DWF
44795 1999 TU_{180}	2.903		2−	SWF
44801 1999 TD_{200}	6.19	0.63	2	SWF
44807 1999 TP_{217}	49.180		2	SWF
44813 1999 TV_{222}	6.655	0.57	2	SWF
44827 1999 TN_{247}	20.565	0.74	2	SWF
44834 1999 TE_{256}	5.479	0.63−0.89	2	SWF
44842 1999 TG_{285}	6.95807	0.31	2	DWF
44858 1999 UZ_{13}	2.044	0.09	1	SWF
44862 1999 UM_{15}	>8.	>0.1	1−	
44864 1999 UJ_{23}	9.121	0.51	2	SWF
44871 1999 UR_{38}	26.3659	0.19	2	DWF
44872*1999 UA_{41}	5.068	0.36−0.39	2	SWF
44873 1999 UF_{41}	2.728	0.21−0.24	2	SWF
44874*1999 UY_{44}	8.262	0.49−0.57	2	SWF
44875 1999 UO_{45}	16.9609	0.15	2	DWF
44881 1999 UJ_{51}	20.00	2.07	1 DA	SWF
44886 1999 VF_{1}	5.831	0.10	1	SWF
44887 1999 VF_{5}	4.664	0.38	2	SWF
44892*1999 VJ_{8}	5.872	0.22−0.29	3	
44906 1999 VF_{23}	>2.92	>0.10		SWF
44914 1999 VN_{27}	42.397	0.86	2	SWF
44915 1999 VR_{27}	15.961	0.59	2	SWF
44919 1999 VC_{31}	32.973		2	SWF
44930 1999 VC_{39}	22.4033	0.16	2	DWF
44938 1999 VV_{50}	3.960	0.61−0.68	2	SWF
44939 1999 VB_{52}	5.60483	0.19	2	DWF
44940 1999 VH_{53}	62.957		2−	SWF
44942 1999 VM_{55}	4.55819	0.48	2	DWF
44946 1999 VU_{61}	4.38	0.39	2−	SWF
44950 1999 VY_{65}	161.557	0.51	2	DWF
44953 1999 VB_{72}	4.01606	0.22	2	DWF
44954*1999 VN_{72}	5.696	0.63−0.71	2	SWF
44957 1999 VG_{78}	5.828	0.47	2	SWF
44959*1999 VL_{82}	>1.33	>0.09		SWF
44960 1999 VJ_{86}	24.686		2−	SWF
44962 1999 VL_{87}	56.236	0.55	2	SWF
44974 1999 VT_{114}	5.78753	0.60	2	DWF
44977 1999 VN_{156}	186.051	0.96	2	DWF
44980 1999 VW_{157}	6.426		2	SWF
44984 1999 VC_{164}	9.296	0.49	2	SWF
44997 1999 VX_{184}	3.34	0.38	2	SWF
45000 1999 VR_{186}	52.2537	0.51	2	DWF
45005 1999 VR_{198}	>0.88	>0.22		SWF
45008 1999 VN_{201}	4.4		2 N	
45016 1999 WV_{2}	2.87	0.15−0.16	2	SWF
45017 1999 WK_{3}	47.7707	0.34	2	DWF
45028 1999 WD_{9}	5.13	0.18−0.26	2	SWF
45041 1999 XE_{10}	4.66	0.31−0.57	3	SWF
45042 1999 XW_{10}	8.450	0.70	2	SWF
45052 1999 XX_{23}	2.721	0.13	2	SWF
45053 1999 XK_{26}	3.13	0.35	2	SWF
45058 1999 XR_{29}	6.549	0.34−0.38	2	SWF
45068 1999 XA_{34}	5.043	0.31	2	SWF
45073 Doyanrose	3.16	0.15−0.16	3−	
45082 1999 XF_{44}	5.537		2	SWF
45084 1999 XG_{45}	4.32	0.78	2	SWF
45086*1999 XE_{46}	4.97	0.41−0.81	2+	SWF
45087 1999 XM_{46}	14.6489	0.62	2	DWF
45092 1999 XD_{50}	3.180	0.08	1	SWF
45102 1999 XN_{69}	5.369	0.28	2	SWF
45109 1999 XZ_{76}	174.893	0.60	2	SWF
45115 1999 XN_{82}	4.7178	0.20	3	SWF
45120 1999 XX_{86}	3.15412	0.29	2	DWF
45123 1999 XH_{88}	5.330	0.80	2	SWF
45130 1999 XQ_{91}	5.324	0.76	2 p	SWF
45136 1999 XO_{94}	15.562	0.39	2	SWF
45140 1999 XW_{98}	17.2089	0.64	2	DWF
45142 1999 XJ_{102}	6.610		2	SWF
45150 1999 XP_{110}	5.62843	0.22	2	DWF
45156 1999 XV_{114}	18.9292	0.05	2	DWF
45157 1999 XA_{117}	25.3207	0.22	2	DWF
45160 1999 XS_{123}	4.104	0.65−0.71	2	SWF
45161 1999 XX_{123}	9.034	0.85	2	SWF
45167 1999 XG_{129}	12.9611	0.22	2	DWF
45169 1999 XQ_{132}	29.6736	0.19	2	DWF
45171 1999 XB_{134}	90.8506	0.25	2	DWF
45176 1999 XQ_{140}	3.44	0.20	2+	
45179 1999 XQ_{144}	7.203	0.50	2	SWF
45184 1999 XL_{155}	28.617	0.27	2	SWF
45185 1999 XM_{157}	26.947		2−	SWF
45195 1999 XT_{166}	47.408		2−	SWF
45206 1999 XK_{174}	33.0729	0.53	2	DWF
45207 1999 XH_{175}	8.538	0.28	2	SWF

Planet	Period	Variation	Note	Survey
45209 1999 XT_{178}	11.9	0.19	2−	
45215 1999 XB_{183}	8.621	0.62	3	
45216 1999 XP_{183}	7.20926	0.72	2	DWF
45221 1999 XQ_{188}	71.5182	0.55	2	DWF
45223 1999 XF_{200}	4.903	0.24	2	SWF
45231 1999 XT_{215}	4.83025	0.33	2	DWF
45232 1999 XZ_{215}	7.23081	0.34	2	DWF
45234 1999 XA_{228}	45.821		2−	SWF
45250 1999 YJ	10.273	0.43	2	SWF
45253 1999 YU_{4}	4.00949	0.26	2	DWF
45256 1999 YM_{13}	104.74	0.44	2	DWF
45259 2000 AF_{1}	11.7	0.79−0.85	2+ A	SWF
45260 2000 AY_{1}	10.2712	0.26	2	DWF
45261 Decoen	3.04822	0.25	2	DWF
45263 2000 AD_{5}	14.18	0.60	2+	
45270 2000 AT_{8}	7.851	0.84	2	SWF
45276 2000 AO_{12}	3.744	0.53−0.57	2	SWF
45289 2000 AY_{29}	93.483	0.77	2	SWF
45297 2000 AN_{38}			HN	DWF
45302 2000 AX_{46}	9.911	0.28	2	SWF
45303 2000 AP_{47}	8.389	0.25	2	SWF
45308 2000 AR_{53}			HN	DWF
45311 2000 AK_{56}	495.479	0.42	2	DWF
45320 2000 AT_{63}	11.111	0.78	2	SWF
45323 2000 AF_{68}	19.7347	0.16	2	DWF
45328 2000 AM_{74}	S 40.6826		2 p N	LCI-W
45337 2000 AK_{83}	7.686	0.55	2	SWF
45340 2000 AG_{86}	4.421	0.60	2	SWF
45344 2000 AK_{90}	6.9894	0.63	2	DWF
45349 2000 AP_{93}	6.44	0.13	2	SWF
45358 2000 AM_{102}	13.218	0.62	2	SWF
45360 2000 AW_{102}	20.8059	0.18	2	DWF
45361 2000 AZ_{102}	5.603		2	SWF
45392 2000 AR_{129}	13.754	0.38	2	SWF
45408 2000 AO_{142}	5.385	0.28	2	SWF
45410 2000 AA_{144}	S 7.48192		2 p N	LCI-W
45413 2000 AY_{147}	6.561		2−	SWF
45423 2000 AR_{162}	88.2775	0.30	2	DWF
45430 2000 AW_{169}	S 60.458		2 p N	LCI-W
45436 2000 AD_{176}	18.47	1.15	2	
45440 2000 AQ_{177}	6.539	0.20−0.30	2	SWF
45455 2000 AB_{195}	4.90	0.18	2−	SWF
45460 2000 AS_{197}	102.566	0.87	2	DWF
45461 2000 AW_{197}	4.08476	0.23	2	DWF
45465 2000 AN_{200}	7.2	0.87	1	
45466 2000 AZ_{201}	S 7.58673		2 p N	LCI-W
45492 2000 AD_{241}	2.27	0.15	2	SWF
45503 2000 BE_{15}	4.93276	0.18	2	DWF
45510 Kashuba	27.461	0.62	2 p	SWF
45524 2000 CL_{2}	24.2224	0.13	2	DWF
45526 2000 CG_{4}	77.932	0.79	2	SWF
45543*2000 CQ_{36}	7.549	0.27−0.68	2 p	SWF
45549 2000 CY_{44}	16.33	0.24	2	SWF
45553*2000 CO_{48}	3.6	0.54−0.63	2+ p	
45556 2000 CM_{51}	>0.88	>0.04		SWF
45560 2000 CW_{53}	2.784	0.05	1	SWF
45566 2000 CK_{58}	4.704	0.42−0.47	2+	
45571 2000 CZ_{64}	8.726	0.17	2	SWF
45576 2000 CD_{75}	10.248	0.48−0.50	2	SWF
45598 2000 CN_{120}	>4.35	>0.12		SWF
45601*2000 DE_{5}	3.38	0.19−0.32	3−	SWF
45603 2000 DC_{18}	3.61	0.28	1+	SWF
45610 2000 DJ_{48}		0.52		SWF
45620 2000 DY_{80}	3.83319	0.17	2	DWF
45628 2000 DD_{99}	3.48	0.31−0.39	2	SWF
45632 2000 DS_{106}	S 7.01335		2 p N	LCI-W
45636*2000 EG_{12}	3.710	0.46−0.58	2	SWF
45642 2000 EU_{34}	9.71003	0.55	2	DWF
45646 2000 EE_{45}	5.26	0.41	2− A	
45649 2000 EN_{49}	7.66487	0.19	2	DWF
45656 2000 EN_{74}	146.015	0.20	2	DWF
45658 2000 EA_{80}	28.6173	0.23	2	DWF
45659*2000 EL_{84}	3.848	0.33−0.36	2	SWF
45660 2000 EU_{84}	7.198	0.65	2	SWF
45661 2000 EX_{84}	2.615	0.20	3−	
45667 2000 EG_{93}	18.260	0.18	2	SWF
45671 2000 EA_{104}	5.417	0.24	2	SWF
45672 2000 EE_{109}	240.336	0.59	2	SWF
45678 2000 EQ_{127}	3.0957	0.19	2	DWF
45682 2000 EX_{131}	16.4526	0.39	2	DWF

Planet	Period	Variation	Note	Survey
45685 Torrycoppin	4.31286	0.51	2 A	DWF
45686 2000 EM_{139}	7.507	0.59	2	SWF
45696 2000 EM_{167}	42.4681	0.53	2	DWF
45704 2000 FZ_{19}	>0.87	>0.15		SWF
45705 2000 FD_{31}	11.092	0.52	2	SWF
45721*2000 GZ_{42}	6.00	0.64−1.11	2+	
45733 2000 GV_{139}	12.318	0.27	2	SWF
45739 2000 HR_{25}	24.1133	0.22	2	DWF
45746 2000 JW_{14}	2.33	0.22	2	SWF
45752 2000 JY_{70}	361.985	0.48	2	SWF
45766 2000 LX_{5}	38.224	0.49	2	SWF
45771 2000 NE_{5}	8.069	0.84	2	SWF
45776 2000 NZ_{28}	14.90	0.12	1	SWF
45783 2000 OV_{16}	S 15.5635		2 p N	LCI-W
45801 2000 PF_{28}	4.519		2−	SWF
45810 2000 QP_{32}	2.1	0.16	1 N	
45813 2000 QA_{45}	>0.63	>0.16		SWF
45815 2000 QF_{67}	18.043		2−	SWF
45837 2000 RD_{27}	32.00	0.79	2	SWF
45843 2000 RL_{73}	>4.37	>0.57		SWF
45857 2000 TH_{61}	6.80797	0.36	2	DWF
45862 2000 UQ_{51}		1.0	I	
45864*2000 UO_{97}	5.135	0.9 −1.7	3− p	
45869 2000 VG_{34}	8.630		2−	SWF
45876 2000 WD_{27}	3.87	0.11−0.12	2	SWF
45878 2000 WX_{29}	3.9207	0.05−0.10	3 B?	
45888 2000 WL_{130}	31.5731	0.21	2	DWF
45897 2000 XB_{28}	15.464		2−	SWF
45898 2000 XQ_{49}	5.417	0.88−1.14	3 p	
45904 2000 YV_{29}		0.64		SWF
45908 2000 YE_{51}	54.151	0.55	2	SWF
45912 2000 YZ_{64}	5.17065	0.19	2	DWF
45917 2000 YE_{91}	17.6298	0.16	2	DWF
45919 2000 YZ_{103}	20.4673	0.20	2	DWF
45921 2000 YU_{104}	3.307	0.37	2	SWF
45924 2000 YZ_{108}	4.984	0.89	2	SWF
45927 2000 YR_{113}	21.553	0.57−0.58	2	SWF
45929 2000 YP_{116}	6.77	1.28	3−	SWF
45938 2001 AV_{4}	6.30676	0.67	2	DWF
45942 2001 AX_{13}	6.55406	0.16	2	DWF
45945 2001 AM_{17}	39.543	0.24	2	SWF
45956 2001 AG_{41}	4.606	0.22	2	SWF
45971 2001 BF_{29}	43.3452	0.45	2	DWF
45977 2001 BU_{44}	5.93608	0.44	2	DWF
45978 2001 BY_{44}	3.808	0.19	2	SWF
45986 2001 BC_{66}	5.85	0.21	2−	SWF
45991 2001 BQ_{70}	2.88	0.13	1	
46001 2001 CG_{1}	11.16	0.27	1 DA	SWF
46033 2001 DG_{31}	3.582	0.65	2	SWF
46036 2001 DS_{32}	6.6036	0.54	2	DWF
46037 2001 DF_{33}	2.6865	0.23	3 B?	
46042 2001 DK_{54}	41.2683	0.38	2	DWF
46045 2001 DU_{68}	>1.32	>0.25		SWF
46053 Davidpatterson	5.0	0.4	2	
46064 2001 DH_{92}	>0.98	>0.14		SWF
46075 2001 EK_{3}	9.585	0.54	2	SWF
46076 2001 EH_{4}	7.82	1.00	2	SWF
46096 2001 FB	7.805	0.31	2	SWF
46097 2001 FN_{1}	46.9782	0.66	2	DWF
46099 2001 FD_{5}	23.6546	0.53	2	DWF
46101 2001 FK_{8}	6.44	0.54	3	SWF
46107 2001 FP_{17}	6.835		2−	SWF
46108 2001 FW_{18}	3.06	0.20	2	SWF
46114 2001 FX_{29}	45.196	0.19	2	DWF
46118 2001 FL_{34}	>3.32	>0.07		SWF
46125 2001 FB_{43}	20.563	0.65	2	SWF
46131 2001 FW_{47}	12.4403	0.34	2	DWF
46135 2001 FF_{56}	54.5776	0.23	2	DWF
46140 2001 FU_{57}	6.00498	0.58	2	DWF
46145 2001 FC_{63}	56.662	0.09	1	SWF
46162*2001 FM_{78}	5.2695	0.38	3−	
46165 2001 FF_{80}	11.03	0.20	2	SWF
46166 2001 FF_{82}	30.4017	0.22	2	DWF
46169 2001 FY_{87}	4.588	0.52−0.75	2	SWF
46184 2001 FM_{120}	>4.35	>0.12		SWF
46186 2001 FS_{124}	3.004	0.63	2	SWF
46209 2001 FK_{160}	171.172	0.53	2	DWF
46213 2001 FN_{162}	2.15573	0.17	2	DWF
46234 2001 HK_{9}	5.870	0.49−0.51	2	SWF
46242 2001 HQ_{12}	20.86	0.45	1 DA	SWF

Planet	Period	Variation	Note	Survey
46244 2001 HU_{15}	5.013	0.43	2	SWF
46251 2001 HO_{31}	14.542	0.55	2	SWF
46261 2001 HA_{47}	4.774	0.50	2	SWF
46264 2001 HB_{50}	2.542	0.38	2	SWF
46269 2001 HA_{58}	121.656	0.22	2	DWF
46274 2001 JU_3	10.798	0.26	2	SWF
46286 2001 KR_{37}	S 7.93385		2 p N	LCI-W
46303 2001 OZ_{44}	27.5607	0.19	2	DWF
46304 2001 OZ_{62}	2.73	0.09−0.10	2	
46325 2001 QZ_{130}	9.484	0.69	2	SWF
46339 2001 RU_{81}	4.180	0.60	2	SWF
46342 2001 SC_{53}	7.01	0.41	2	SWF
46352 2001 SZ_{266}	2.940	0.36−0.42	2	SWF
46355 2001 TQ_{65}	31.2391	0.39	2	DWF
46361 2001 TR_{105}	7.387	0.13	2	SWF
46363 2001 UX_{34}	3.4624	0.40	2	DWF
46368 2001 VR_{36}	157.953	0.37	2	DWF
46371 2001 VZ_{45}	11.299		2−	SWF
46376 2001 XD_3	S 5.73569		2 p N	LCI-W
46378 2001 XD_{17}	5.749		2	SWF
46383 2001 XC_{114}	46.216		2	SWF
46391 2001 YJ_{97}	23.6283	0.20	2	DWF
46436*2002 LH_5	3.884	0.37−0.62	3	
46438 2002 LZ_7			HN	DWF
46441 Mikepenston	11.783	0.42	2	SWF
46449 3036 *P–L*	278.799	0.46	2	DWF
46450 3039 *P–L*	S 9.27819		2 p N	LCI-W
46451 3050 *P–L*	6.462	0.49	2	SWF
46452 3097 *P–L*	20.447	0.56−0.63	2	SWF
46455 4054 *P–L*	89.899	0.62	2	SWF
46456*4140 *P–L*	5.197	0.55−0.63	2	SWF
46475 3204 *T–1*	3.327	0.04	1	SWF
46484 2245 *T–2*	>4.37	>0.30		SWF
46485 2279 *T–2*	6.932	0.40−0.45	2	SWF
46501 2616 *T–3*	13.3946	0.59	2	DWF
46504 3194 *T–3*	24.4466	0.11	2	DWF
46506 3387 *T–3*	9.32	0.76	2	SWF
46513 Ampzing	12.2697	0.21	2	DWF
46530 1981 EE_{10}	5.1	0.3	1+	
46537 1981 EV_{45}	5.85	0.89	3− p	SWF
46538 1981 UC_{26}	3.74	0.12	2−	SWF
46539 Viktortikhonov	16.743	0.45	2 p	SWF
46543 1987 DL_6	6.02479	0.39	2	DWF
46556 1991 FU_3	S 62.178		2 p N	LCI-W
46558 1991 GY_5	6.333	0.47	2	SWF
46559*1991 PC_1	5.168	0.53−0.64	3	
46566 1991 RW_{21}	2.074	0.06	1	SWF
46576 1992 EP_{10}	107.432	0.29	2	DWF
46583 1992 RW_3	8.519	0.27	2	SWF
46585 1992 RD_7	8.46	0.96	1 DA	SWF
46587 1992 UJ_1	45.189	0.82	2	SWF
46590 1992 WP_1	10.8697	0.16	2	DWF
46598 1993 FT_2	4.8620	0.33	3	
46602 1993 FP_{34}	20.0909	0.11	2	DWF
46609 1993 SQ_1	28.4406	0.28	2	DWF
46616 1994 *AM*	10.524	0.71	2	SWF
46620*1994 EL_1	>20.	0.29	2	SWF
46622 1994 EF_7	4.938	0.66	2	SWF
46623 1994 GV_{10}	4.923	0.53	2	SWF
46626 1994 PL_{23}	5.485	0.64	2	SWF
46629*1994 PS_{38}	8.39	0.86−0.90	3 p	
46631 1994 TQ_3	7.92623	0.84	2	DWF
46639 1995 BN_4	6.214	0.49	3−	
46643 Yanase	5.852	0.58	2	SWF
46654 1995 UB_8	3.5491	0.26	3	
46656 1995 WT_6	12.31	0.17	2−	SWF
46659*1996 BB_5	34.769	0.24	2	DWF
46665*1996 *FD*	2.989	0.37−0.42	2	SWF
46670 1996 *NU*	S 5.15273		2 p N	LCI-W
46672 1996 *OA*	3.55	0.27−0.32	2+	SWF
46685 1997 AG_{13}	10.868	0.53	2	SWF
46690 1997 AN_{23}	3.413	0.09	1	SWF
46692 Taormina	35.8204	0.15	2	DWF
46699 1997 CL_{26}	>4.57	>0.25		SWF
46709 1997 GU_6	>5.40	>0.13		SWF
46714 1997 HF_7		0.51		SWF
46721 1997 QW_3	8.28	0.91	1	SWF
46722 Ireneadler	113.71	0.21	2	DWF
46725 1997 SS_{13}	8.14	0.19	2−	SWF
46731 Prieurblanc	17.416	0.34	2	SWF
46748 1998 DN_{23}	2.698	0.50	1+	SWF
46758 1998 FQ_{59}	3.13	0.41−0.49	2	SWF
46762 1998 FM_{78}	30.3667	0.08	2	DWF
46763 1998 FE_{79}	4.537	0.06	1	SWF
46764 1998 FE_{95}	7.906	0.64	2	SWF
46769 1998 HJ_2	32.00	0.62	2	SWF
46784 1998 HK_{117}	19.	0.27	2−	
46791*1998 HW_{149}	7.186	0.39−0.66	2	SWF
46793*Phinney	9.83	0.25	2	
46800 1998 KH_{27}	4.14	0.18−0.26	2	SWF
46803 1998 KL_{33}	>12.	>0.4	2−	
46810 1998 KK_{47}	>2.02	>0.10		SWF
46816 1998 MR_{13}	12.4986	0.22	2	DWF
46818 1998 MZ_{24}	2.779	0.20−0.26	3	
46827 1998 OJ_7	47.1795	0.26	2	DWF
46829*McMahon	2.6236	0.11−0.12	2 ABN	
46831 1998 *QH*	4.287	0.50	2	SWF
46833 1998 QB_8	13.834	0.07	1	SWF
46840 1998 QZ_{17}	2.095	0.09	1	SWF
46845 1998 QB_{24}	31.6178	0.17	2	DWF
46861 1998 QJ_{73}	7.285	0.74	2	SWF
46863 1998 QE_{75}	38.666	0.25	2	DWF
46868 1998 QM_{93}	3.646	0.47	2	SWF
46869 1998 QC_{97}	8.825	0.29	2	SWF
46875 1998 QD_{104}	88.734	0.47	2	SWF
46884 1998 RY_{16}	10.650	0.63	2	SWF
46899 1998 RF_{60}	3.020	0.43	2	SWF
46902 1998 RY_{60}	16.1987	0.08	2	DWF
46935 1998 SL_{65}	7.238	0.25	2	SWF
46936 1998 SN_{67}	S 6.72333		2 p N	LCI-W
46945 1998 SB_{107}	13.	0.19	1	
46953 1998 SB_{121}	4.0	0.25	2−	
46954 1998 SL_{121}	291.086	0.21	2	DWF
46967 1998 SR_{134}	82.2662	0.52	2	DWF
46968 1998 SJ_{135}	5.856	0.26	2	SWF
46976 1998 SE_{140}	12.7515	0.29	2	DWF
46977 Krakow	8.44	0.26	3−	
46983 1998 SX_{161}	83.619	0.93	2	SWF
46989 1998 TO_5	9.0420	0.75	3	
47000 1998 TH_{32}	8.17347	0.35	2	DWF
47017 1998 VE_4	3.258	0.49	2	SWF
47026 1998 VS_{21}	5.12	0.26	1+	SWF
47035 1998 *WS*	3.99	0.10−0.15	2 p A	
47036 1998 WP_1	36.9996	0.40	2	DWF
47043 1998 WX_3	4.676	0.76	2	SWF
47046 1998 WM_9	22.904	0.17	2	DWF
47048 1998 WW_{18}	17.29	0.14	2 p A	
47049 1998 WT_{19}	5.255	0.31	2	SWF
47061 1998 XZ_{43}	S 7.46888		2 p N	LCI-W
47063 1998 XX_{52}	5.463		2	SWF
47069 1998 XC_{73}	784.520	0.38	2	SWF
47073 1998 XP_{95}	4.656	0.59	2	SWF
47080 1998 YA_7	97.9776	0.94	2	DWF
47081 1998 YV_9	7.46	0.20	2+	
47082*1998 YA_{15}	2.961	0.27−0.38	2	SWF
47084 1999 *AQ*	14.994	0.14	2	DWF
47085 1999 AW_2	S 16.4840		2 p N	LCI-W
47088 1999 AB_7	6.05981	0.33	2	DWF
47095 1999 AQ_{25}	0.36	0.04	1−	
47115 1999 CH_{62}	11.556	0.22	2	SWF
47116 1999 CL_{64}	19.712	0.55	2 p	SWF
47119 1999 CM_{81}	43.147	0.56	2	SWF
47126 1999 CH_{101}	10.1064	0.20	2	DWF
47127 1999 CJ_{103}	4.370	0.64−0.71	2 p	SWF
47133 1999 DH_5	2.73657	0.10	2	DWF
47139 1999 GN_9	6.12036	0.46	2	DWF
47141 1999 HB_3	2.8614	0.14	3 B?	
47142 1999 LQ_2	3.08479	0.67	2	DWF
47143*1999 LL_{31}	3.32	0.22−0.36	3−	
47144 Faulkes	S 7.67345		2 p N	LCI-W
47149 1999 RX_{34}	9.50	0.50−0.55	3−	SWF
47153 1999 RD_{132}	S 7.61087		2 p N	LCI-W
47154 1999 RE_{141}	5.20	0.55−0.56	2	SWF
47170 1999 TE_{33}	>16.	>0.4	2−	
47171 Lempo	6.21	0.06	1 B	
47188 1999 TU_{155}	13.2457	0.17	2	DWF
47190 1999 TA_{171}	>3.37	>0.14		SWF
47195 1999 TG_{179}	2.68	0.11	2	SWF
47219 1999 UU_{41}	10.553	0.19	2	SWF
47226 1999 VE_{19}	22.444	0.14	2	DWF

Planet	Period	Variation	Note	Survey
47229 1999 VT_{27}	47.168	0.52	2	SWF
47242 1999 VY_{50}	S 4.79133		2 p N	LCI-W
47244 1999 VA_{53}	5.696		2−	SWF
47256 1999 VA_{72}	S 13.34779		2 p N	LCI-W
47265 1999 VT_{97}	10.39	0.68	2	SWF
47269 1999 VH_{135}	3.276		2	SWF
47270 1999 VE_{138}	4.061	0.59	2	SWF
47271 1999 VY_{143}	6.902	0.56	2	SWF
47279 1999 VS_{160}	20.7516	0.66	2	DWF
47307 1999 XR_{4}	4.453		2−	SWF
47310 1999 XG_{7}	62.2231	0.23	2	DWF
47314 1999 XK_{11}	95.7927	0.64	2	DWF
47320 1999 XA_{15}	6.340	0.42	2	SWF
47324 1999 XN_{22}	5.201	0.54	2	SWF
47330 1999 XQ_{31}	178.065	0.80	2	SWF
47332 1999 XC_{32}	3.992	0.35	2	SWF
47334 1999 XX_{32}	11.214	0.12	2	SWF
47335 1999 XB_{33}	4.798	0.79	2	SWF
47338 1999 XG_{36}	7.378		2	SWF
47339 1999 XH_{38}	80.0862	0.14	2	DWF
47340 1999 XK_{39}	40.00	0.79	2	SWF
47343*1999 XL_{45}	S 9.19636		2 p N	LCI-W
47365 1999 XY_{82}	6.208	0.27	2	SWF
47369 1999 XA_{88}	2.55	0.19	2	SWF
47370 1999 XL_{88}	6.739		2−	SWF
47373 1999 XT_{91}	2.111	0.10	1	SWF
47379 1999 XB_{97}	20.4829	0.04	2	DWF
47380 1999 XC_{98}	93.5406	0.82	2	DWF
47386 1999 XX_{101}	8.433	0.12−0.14	2	SWF
47388 1999 XY_{103}	22.9224	0.31	2	DWF
47392 1999 XT_{109}	5.27	0.10	2	SWF
47399 1999 XK_{116}	32.0708	0.80	2	DWF
47406 1999 XV_{126}	5.838	0.38	2	SWF
47409 1999 XS_{132}	51.7573	0.19	2	DWF
47417 1999 XL_{160}	11.71	1.07	2−	SWF
47426 1999 XZ_{169}	214.594	0.28	2	DWF
47434 1999 XD_{176}	32.2197	0.27	2	DWF
47436 1999 XM_{176}	3.843	0.18	2	SWF
47438 1999 XD_{177}	70.8585	0.22	2	DWF
47442 1999 XG_{193}	5.63899	0.47	2	DWF
47443 1999 XE_{196}	2.416	0.06	1	SWF
47463*1999 XE_{258}	9.252	0.53−0.69	2	SWF
47468 1999 YS_{13}	78.732		2	SWF
47473 2000 AU_{2}	3.407	0.53	2	SWF
47475 2000 AR_{7}	9.98141	0.64	2	DWF
47484 2000 AC_{18}	270.738	0.69	2	DWF
47485 2000 AO_{22}	2.892	0.40	2	SWF
47488 2000 AZ_{32}	3.358	0.11	2	SWF
47496 2000 AU_{43}	4.02	0.15	2	SWF
47506 2000 AA_{58}	2.192	0.08	1	SWF
47508 2000 AQ_{58}	S 5.05521		2 p N	LCI-W
47517 2000 AT_{71}	43.636	0.64	2	SWF
47520 2000 AO_{79}	4.866		2−	SWF
47526 2000 AM_{90}	4.49	0.57	1+	SWF
47528 2000 AE_{95}	6.44	1.42	2+	SWF
47536 2000 AB_{102}	8.868	0.49	2	SWF
47540 2000 AK_{115}	2.826	0.27	2	SWF
47541 2000 AX_{115}	3.74433	0.26	2	DWF
47549 2000 AE_{126}	4.578	0.25	2	SWF
47556 2000 AL_{137}	20.0242	0.56	2	DWF
47559*2000 AK_{143}	3.83	0.25−0.29	2	SWF
47563 2000 AW_{149}	14.8307	0.14	2	DWF
47574 2000 AF_{171}	S 4.324751		2 p N	LCI-W
47575 2000 AL_{172}	10.83	0.27	2	SWF
47579 2000 AW_{174}	19.504		2−	SWF
47582 2000 AO_{179}	12.402	0.26	2	SWF
47592 2000 AO_{203}	17.5074	0.06	2	DWF
47603 2000 AV_{232}	>5.25	>0.08		SWF
47606 2000 AA_{238}	7.2125	0.22	2+	
47607 2000 AN_{242}	79.1087	0.48	2	DWF
47608 2000 AE_{243}	9.128	0.38	2	SWF
47614 2000 BO_{14}	S 5.50432	0.48	2 p N	LCI-W
47617 2000 BC_{27}	S 5.59006		2 p N	LCI-W
47625 2000 BB_{49}	9.13308	0.42	2	DWF
47626 2000 BS_{49}	22.1498	0.21	2	DWF
47627 Kendomanik	4.30965	0.21	2	DWF
47644 2000 CO_{36}	6.15	0.32	2	SWF
47645 2000 CD_{37}	55.9331	0.45	2	DWF
47651*2000 CV_{42}	19.250	0.49−0.76	2	SWF
47662 2000 CN_{53}	8.97	0.20	1+ 1A	SWF
47667 2000 CD_{58}	3.68115	0.18	2	DWF
47675 2000 CW_{66}	7.69058	0.14	2	DWF
47676 2000 CE_{71}	3.787	0.44	2	SWF
47678 2000 CT_{75}	9.453	0.55	2 p	SWF
47691 2000 CT_{92}	3.87	0.47−0.54	2	SWF
47700 2000 CQ_{121}	2.51	0.19	1	SWF
47714 2000 DS_{24}	10.	0.35	1	SWF
47715 2000 DG_{25}	>0.97	>0.24		SWF
47742 2000 DX_{73}	7.74	0.49	2−	SWF
47745 2000 DE_{77}	3.28	0.25	1+	SWF
47761 2000 DR_{100}	216.89	0.65	2	DWF
47773 2000 DV_{108}	2.87949	0.17	2	DWF
47780 2000 EM_{13}	2.53	0.16	2	SWF
47782 2000 EL_{18}	>5.05	>0.12		SWF
47790 2000 EJ_{30}	10.7921	0.31	2	DWF
47791 2000 EC_{31}	65.4516	0.19	2	DWF
47797 2000 EQ_{40}	6.03076	0.14	2	DWF
47798 2000 EP_{45}	6.840	0.60	2 p	SWF
47815 2000 EP_{85}	8.820	0.35	2	SWF
47819 2000 EJ_{91}	5.08	0.44−0.51	3−	SWF
47820 2000 EB_{93}	4.42833	0.97	2	DWF
47823 2000 EK_{97}	5.52	0.51	2	SWF
47832 2000 EC_{113}	S 4.971162		2 p N	LCI-W
47837 2000 EB_{118}	44.3238	0.23	2	DWF
47840 2000 EW_{119}	4.146	0.67	2	SWF
47841 2000 EO_{121}	2.887	0.46	2 p	SWF
47847 2000 EV_{133}	16.2737	0.32	2	DWF
47849 2000 EY_{135}	164.164	0.39	2	DWF
47852 2000 EQ_{140}	7.073		2−	SWF
47856 2000 EO_{154}	2.72	0.14	2	SWF
47857 2000 ET_{155}	7.658	0.73	2	SWF
47858 2000 EB_{158}	6.715	1.08	2 p	SWF
47861 2000 EY_{169}	3.45585	0.56	2	DWF
47864 2000 EN_{184}	14.6486	0.24	2	DWF
47865*2000 FK_{3}	3.549	0.30−0.39	2	SWF
47871 2000 FQ_{13}	2.73593	0.05	2	DWF
47874 2000 FP_{17}	2.99633	0.30	2	DWF
47877 2000 FE_{23}	6.06534	0.68	2	DWF
47880 2000 FY_{27}	6.813	0.43	2	SWF
47890 2000 FB_{49}	18.2779	0.56	2	DWF
47896 2000 GE_{36}	9.175	0.27	2	SWF
47898 2000 GA_{47}	13.3531	0.24	2	DWF
47911 2000 GT_{76}	5.686	0.68−0.71	2 p	SWF
47914 2000 GM_{90}	8.63477	0.15	2	DWF
47922*2000 GK_{109}	37.394	0.29−0.75	2	SWF
47924 2000 GS_{113}	7.030	0.77	2	SWF
47932 2000 GN_{171}	8.329	0.48−0.64	3	
47940 2000 HE_{59}	8.332	0.62	2	SWF
47957 2000 QN_{116}	10.929	0.51	2	SWF
47963 2000 SO_{56}	13.730	0.31	2	SWF
47975 2000 WE_{26}	111.339	0.86	2	DWF
47976 2000 WU_{88}	325.098	0.25	2	DWF
47979 2000 WD_{179}	9.68562	0.46	2	DWF
47983 2000 XX_{13}	2.902	0.09	2+	
47985 2000 XV_{41}	170.468	0.35	2	DWF
47990 2000 YV_{68}	6.32	0.12	2	SWF
47993 2000 YM_{105}	23.18	0.28	2−	SWF
48027 2001 DG_{29}	15.921		2−	SWF
48040 2001 DL_{70}	10.32	0.53	2+	SWF
48043 2001 DF_{74}	44.089		2−	SWF
48048 2001 DG_{88}	3.403	0.18	2	SWF
48071 2001 FV_{5}	18.1793	0.11	2	DWF
48094 2001 FX_{47}	11.613	0.46	2	SWF
48095 2001 FZ_{50}	7.422	0.53	2	SWF
48103 2001 FP_{66}	4.97	0.22	2	SWF
48120 2001 FT_{97}	78.226	0.89	2	SWF
48130 2001 FF_{119}	4.320	0.43	2	SWF
48134 2001 FD_{127}	5.778	0.65	2	SWF
48141 2001 FE_{150}	241.295	0.25	2	DWF
48147 2001 FO_{160}	26.17	0.25	2 A	
48154 2001 GT_{3}	5.56	0.79	3−	
48157 2001 GB_{7}	5.339	0.70	2	SWF
48158 2001 GM_{9}	>1.78	>0.13		SWF
48159 Saint–Véran	>1.00	>0.13		SWF
48161 2001 HM_{3}	5.24351	0.29	2	DWF
48164 2001 HJ_{9}	86.0116	0.14	2	DWF
48165 2001 HH_{10}	3.63694	0.21	2	DWF
48180 2001 HN_{32}	83.6042	0.63	2	DWF
48182 2001 HH_{40}	4.214	0.23	2	SWF
48189 2001 HR_{49}	19.455	0.33	2	SWF

Planet	Period	Variation	Note	Survey
48190 2001 HA_{53}	2.40	0.16	2	SWF
48196 2001 JU_{1}	S 9.69035		2 p N	LCI-W
48197 2001 JO_{2}	7.09172	0.31	2	DWF
48199 2001 JU_{6}	55.9034	0.29	2	DWF
48203 2001 KQ_{6}	52.909	0.43	2	SWF
48233 2001 LY_{9}	3.62	0.49−0.50	3−	SWF
48234 2001 LT_{13}	11.558	0.28	2	SWF
48251 2001 TA_{190}	32.944	0.27	2	SWF
48262 2001 XL_{87}	6.638	0.61	2	SWF
48267 2001 YA_{118}	8.179	0.52	2	SWF
48268 2002 AK_{1}	S 4.250546		2 p N	LCI-W
48282 2002 FA_{22}	10.040	0.38−0.44	2	SWF
48284 2002 GD_{60}	14.33	0.80	2−	SWF
48285 2002 GK_{95}	68.1721	0.44	2	DWF
48286 2002 GZ_{96}	11.431	0.65	2	SWF
48287 2002 GE_{167}	12.708		2−	SWF
48289 2002 HM_{15}	6.21155	0.42	2	DWF
48290 2002 JH	5.581	0.60	2	SWF
48291 2002 JQ_{1}	>1.15	>0.09		SWF
48298 2002 LL_{33}	6.71	0.52	2	SWF
48307 2002 LP_{53}	3.79	0.34	2	
48317 2002 NY_{20}	7.11	0.26	2	SWF
48322 2002 NT_{32}	3.550	0.09	1	SWF
48336 2002 PS_{6}	7.031	1.18	3	
48349 4239 $P–L$	3.760	0.41	2	SWF
48353 6616 $P–L$	9.903	0.31−0.34	2	SWF
48355 2184 $T–1$	66.2338	0.58	2	DWF
48362 2184 $T–2$	2.102	0.24	2	SWF
48364 3096 $T–2$	31.770		2−	SWF
48366 3284 $T–2$	6.65	0.34	2	SWF
48368 4141 $T–2$	379.723	0.51	2	DWF
48371 1173 $T–3$	>0.77	>0.11		SWF
48376 4044 $T–3$	534.962	1.31	2	SWF
48392 1981 DV_{2}	2.80	0.21	2	SWF
48406 1981 EQ_{47}	78.294	0.90	2	SWF
48411 Johnventre	125.499	0.73	2	DWF
48413 1986 TB_{7}	132.252	0.41	2	DWF
48414 1987 OS	6.13024	0.32	2	DWF
48428 1989 SV_{5}	30.3719	0.26	2	DWF
48436 1989 VK	5.45	0.31	2 A	
48438 1989 WJ_{2}	17.672	0.39	2+	
48447 Hingley	219.67	0.65	2	DWF
48448 1990 WR_{2}	24.8168	0.08	2	DWF
48458 Merian	12.7253	0.26	2	DWF
48459 1991 RO_{5}	65.7365	0.41	2 A	DWF
48463 1991 RH_{14}	26.5641	0.53	2	DWF
48464 1991 RA_{17}	17.419	0.10	1	SWF
48469 1991 TQ_{1}	5.8182	0.95	3	
48470 1991 TC_{2}	10.504	0.09−0.19	2+	
48476 1991 UP_{3}	6.81	0.18	2	SWF
48478 1991 VF_{3}	10.043	0.68	2	SWF
48482 Oruki	72.5988	0.26	2	DWF
48484 1992 ET_{1}	57.9114	0.36	2	DWF
48485 1992 EX_{4}	4.899	0.46	2	SWF
48493 1992 WG	23.3055	0.19	2	DWF
48507 1993 FS_{11}	6.9	0.6	2	
48517 1993 FR_{25}	3.79	0.28	2	SWF
48520 1993 FK_{45}	7.06	0.36	2+	SWF
48522*1993 FF_{54}	13.206	0.20−0.30	2	SWF
48528 1993 OC_{3}	3.707	0.55	2	SWF
48538 1993 RF_{15}	>4.35	>0.28		SWF
48543 1993 TJ_{14}	S 6.56127	0.70	2 p N	LCI-W
48560 1993 UX_{2}	2.85	0.23	2	SWF
48580 1994 PD_{17}	7.06	0.60	2−	SWF
48581 1994 PV_{19}	3.173	0.18	2	SWF
48590 1994 TY_{2}	39.1428	0.19	2	DWF
48593 1994 VF	113.312	0.81	2	SWF
48594 1994 VA_{2}	3.07013	0.07	2	DWF
48595 1994 VH_{2}	2.20171	0.26	2	DWF
48598 1994 XD_{5}	9.20803	0.43	2	DWF
48601 1995 BL	4.590	0.45−0.56	3	
48602 1995 BV_{1}	39.249	0.45	2	DWF
48611 1995 FS_{6}	4.581	0.50	2	SWF
48614 1995 FP_{14}	4.779	0.47−0.51	2	SWF
48617 1995 HR_{2}	4.058	0.34	2	SWF
48620 1995 MN_{5}	36.2916	0.17	2	DWF
48635 1995 SU_{52}	28.106	0.77	2	SWF
48637 1995 SU_{87}	5.546	0.32−0.35	2	SWF
48639 1995 TL_{8}			BHN	
48644 1995 UG_{7}	8.28	0.14	2−	SWF
48645 1995 UF_{8}	3.110	0.23	2	SWF
48646 1995 UL_{8}	11.383	0.24	2	SWF
48652 1995 VB	13.829	0.63	3	
48660 1995 WA_{5}	2.791	0.08−0.11	2	SWF
48663 1995 WY_{7}	6.23	0.38−0.44	2	SWF
48665 1995 WL_{25}	69.1268	0.18	2	DWF
48676 1996 AW_{6}	5.730	0.37	2	SWF
48677 1996 AQ_{7}	4.551	0.45	2	SWF
48679 1996 AL_{19}	6.628		2−	SWF
48680 1996 BU	114.97	0.20	2	DWF
48682 1996 BP_{1}	4.8	0.13	1	
48694 1996 HP	94.0207	0.30	2	DWF
48697 1996 HX_{14}	2.4	0.15	1 D	
48703 1996 JQ	7.07969	0.08	2	DWF
48707 1996 KR_{1}	230.	0.65−0.75	3− T0	
48718 1996 RZ_{15}	17.319	0.70	2	DWF
48721 1996 UJ_{2}	5.416	0.51−0.63	2	SWF
48724 1996 XZ_{26}	5.504	0.45	2	SWF
48727 1997 AL_{18}	3.228	0.27−0.29	2	SWF
48734 1997 CZ_{16}	6.446	0.35−0.38	2	SWF
48744 1997 FY_{2}	4.067	0.26−0.27	2	SWF
48748 1997 GV_{3}	7.018	1.01	2	SWF
48763 1997 JZ	73.5459	0.22	2	DWF
48784 1997 SX	14.1164	0.24	2	DWF
48786 1997 SH_{4}	4.180	0.21	2	SWF
48787 1997 SY_{4}	225.46	0.27	2	DWF
48798 Penghuanwu	4.53721	0.40	2	DWF
48812 1997 WL	17.5027	0.22	2	DWF
48820 1997 WW_{33}	4.55	0.24	2+	SWF
48823 1997 WN_{36}	S 8.86506		2 p N	LCI-W
48831 1997 YG_{3}	4.59572	0.25	2	DWF
48832 1997 YR_{3}	12.3769	0.14	2	DWF
48835 1997 YK_{18}	32.00	0.38	2	SWF
48842 1998 BA_{44}	6.184	0.64	2 p	SWF
48859 1998 HY_{13}	4.44642	0.71	2 A	DWF
48861 1998 HR_{24}	30.6056	0.07	2	DWF
48864 1998 HK_{43}	4.0725	0.53	3	
48865 1998 HT_{46}	7.996	0.62	2	SWF
48876 1998 HE_{103}	5.25238	0.10	2	DWF
48879 1998 HR_{125}	5.671		2−	SWF
48882 1998 HJ_{139}	6.96	0.73	2	SWF
48891 1998 KM_{45}	9.133		2	SWF
48900 1998 MP_{22}	6.570	0.17−0.19	2	SWF
48902 1998 MP_{31}	5.44	0.37	2	SWF
48907 1998 MX_{36}	13.896	0.46	2	SWF
48918*1998 OP_{8}	6.1	0.60	2	
48935 1998 QK_{1}	5.363	0.58−0.67	2	SWF
48944 1998 QT_{13}	4.30	0.41−0.44	2	SWF
48948 1998 QL_{14}	21.943	0.49	2	SWF
48950 1998 QW_{17}	5.523	0.08	1	SWF
48954 1998 QD_{21}	>5.40	>0.13		SWF
48964 1998 QW_{33}	29.961		2−	SWF
48966*1998 QY_{34}	9.203	0.16−0.21	2	SWF
48968 1998 QC_{38}	9.234		2	SWF
48969 1998 QT_{38}	3.258	0.27−0.35	2	SWF
48971 1998 QC_{39}	>1.73	>0.94		SWF
48976 1998 QN_{40}	4.713	0.20	2	SWF
48979 1998 QZ_{40}	>5.33	>0.15		SWF
48981 1998 QD_{45}	6.979	0.54−0.55	2 p	SWF
48984 1998 QC_{47}	5.670		2−	SWF
48985 1998 QF_{47}	25.7931	0.26	2	DWF
48989 1998 QS_{47}	5.11	0.61	2	SWF
48990 1998 QX_{47}			HN	DWF
48997 1998 QT_{51}	S 6.55436		2 p N	LCI-W
48999 1998 QM_{52}	7.044	0.34	2	SWF
49005 1998 QN_{62}	>1.90	>0.39		SWF
49024 1998 QX_{95}	15.5709	0.13	2	DWF
49033 1998 QL_{105}	86.3188	0.69	2	DWF
49034 1998 QS_{105}	7.12071	0.57	2	DWF
49039 1998 RH	>72.	>0.8	2 HN	DWF
49040 1998 RO	6.80783	0.31	2	DWF
49059 1998 RP_{44}	4.737	0.67	2	SWF
49069 1998 RM_{54}	62.007	0.08	1	SWF
49070 1998 RV_{54}	37.0459	0.28	2	DWF
49079 1998 RJ_{62}	S 14.73531		2 p N	LCI-W
49081 1998 RA_{64}	42.471		2	SWF
49088 1998 RS_{68}	S 7.05232		2 p N	LCI-W
49109 Agnesraab	12.4114	0.47	2	DWF
49114 1998 ST_{7}	50.305		2−	SWF
49148 1998 SB_{49}	5.504	0.52	2	SWF

Planet	Period	Variation	Note	Survey
49149 1998 SD_{49}	22.966		2−	SWF
49152 1998 SQ_{52}	5.28	0.54	2	SWF
49155 1998 SZ_{53}	2.62	0.44−0.47	2	SWF
49178 1998 SB_{67}	39.6125	0.35	2	DWF
49185 1998 SA_{74}	45.7391	0.15	2	DWF
49193 1998 SM_{91}	5.66	0.35	2− H	DWF
49203 1998 SW_{115}	6.27	0.79−0.84	3	SWF
49211 1998 SX_{119}	34.8972	0.17	2	DWF
49232 1998 SB_{143}	7.51578	0.22	2	DWF
49241 1998 TQ_{3}	228.515	0.73	2	DWF
49255 1998 TJ_{29}	52.820		2−	SWF
49256 1998 TA_{31}	21.864	0.30	2	SWF
49257*1998 TJ_{31}	3.3896	0.75−0.81	3 p	
49263 1998 TJ_{36}	>1.73	>1.40		SWF
49277 1998 UK_{22}	279.782	0.23	2	DWF
49280 1998 UT_{22}	40.5357	0.15	2	DWF
49292 1998 VA_{1}	66.3152	0.22	2	DWF
49299 1998 VU_{5}	43.555	0.22	2	SWF
49333 1998 VP_{45}	11.5955	0.27	2	DWF
49339 1998 VH_{54}	12.4804	0.28	2	DWF
49349 1998 WW_{6}	12.161	0.39	2	SWF
49351 1998 WE_{9}	14.0421	0.53	2	DWF
49355 1998 WH_{12}	3.623	0.26	2	SWF
49381 1998 XX_{4}	2.84054	0.19	2	DWF
49385*1998 XA_{12}	2.5231	0.15−0.30	3	
49388 1998 XR_{20}	48.122		2−	SWF
49389 1998 XS_{20}	7.138	0.41	2	SWF
49395 1998 XW_{32}	3.971	0.36	2	SWF
49406 1998 XP_{47}	2.825	0.13	2	SWF
49411 1998 XT_{51}	5.408	0.27	2+	
49418 1998 XP_{73}	3.620	0.55	2	SWF
49419 1998 XJ_{74}	4.597	0.20	2	DWF
49423*1998 XR_{77}	5.384	0.33−0.73	2	SWF
49425 1998 XE_{80}	7.274	0.78	2	SWF
49431 1998 XB_{99}	61.961	0.26	2	SWF
49432 1998 YD	30.909	0.32	2	SWF
49437 1998 YY_{3}	11.6689	0.16	2	DWF
49438 1998 YD_{4}	7.44	0.35	2	SWF
49439*1998 YC_{5}	31.283	0.48−0.56	2	SWF
49446 1998 YO_{9}	28.326	0.10	1	SWF
49447 1998 YW_{11}	3.383	0.09	1	SWF
49464 1999 AO_{7}	22.0081	0.17	2	DWF
49477 1999 BA_{8}	26.266		2	SWF
49482 1999 BV_{12}	8.117	0.67−0.72	2	SWF
49504 1999 CA_{17}	7.304	0.60	2	SWF
49507*1999 CF_{20}	10.745	0.15−0.17	2	SWF
49513 1999 CK_{28}	S 29.2137		2 p N	LCI-W
49516 1999 CJ_{32}	21.2517	0.26	2	DWF
49517 1999 CK_{32}	106.786	0.39	2	DWF
49525 1999 CO_{40}	6.86902	0.43	2	DWF
49526 1999 CP_{40}	4.073	0.46	2	SWF
49540 1999 CU_{63}	7.190	0.20	2	SWF
49555 1999 CK_{88}	5.090	0.40	2	SWF
49566 1999 CM_{106}	>24.	>0.2		
49569 1999 CH_{109}	4.641	0.29−0.35	2	SWF
49570 1999 CQ_{110}	3.874	0.55−0.71	2	SWF
49574*1999 CO_{119}	6.2	0.39−0.50	2+	
49575 1999 CX_{119}	28.5232	0.25	2	DWF
49577 1999 CB_{124}	S 17.5523		2 p N	LCI-W
49578 1999 CD_{124}	16.681	0.12	2	DWF
49579*1999 CL_{124}	16.3219	0.34−0.52	2	DWF
49581 1999 CO_{127}	216.832	0.25	2	DWF
49582*1999 CB_{128}	5.342	0.37−0.88	2	SWF
49584 1999 CE_{133}	4.82	0.19	1	SWF
49585 1999 CO_{137}	4.10	0.43	2	SWF
49586 1999 CD_{138}	144.	1.0	2−	
49589 1999 CQ_{149}		0.69		SWF
49591 1999 DO_{2}	S 5.09173		2 p N	LCI-W
49597*1999 FY_{12}	6.368	0.42−0.73	2	SWF
49603 1999 FC_{25}	5.152	0.13−0.15	2	SWF
49607 1999 FC_{28}	42.133	0.61	2 p	SWF
49614 1999 FB_{39}	37.1112	0.39	2	DWF
49616 1999 FY_{42}	7.397	0.96	2 p	SWF
49617 1999 FJ_{43}	15.823	0.63	2	SWF
49622 1999 GO_{3}	5.513	0.35−0.41	2	SWF
49627 1999 GP_{16}	1.44371	0.18	2	DWF
49628 1999 GV_{16}	S 3.567980		2 p N	LCI-W
49629 1999 GF_{20}	S 14.54127		2 p N	LCI-W
49630 1999 GB_{21}	78.94	0.46	2	SWF
49636 1999 HJ_{1}	2.821	0.26−0.29	2	

Planet	Period	Variation	Note	Survey
49639 1999 JJ_{17}	1.21038	0.20	2	DWF
49642 1999 JK_{26}	220.047	0.67	2	SWF
49644 1999 JJ_{33}	68.624	0.62	2	DWF
49652 1999 JW_{81}	3.798	0.10	1	SWF
49653 1999 JO_{85}	>8.		N	
49662*1999 KC_{3}	8.032	0.23−0.33	2	SWF
49664 1999 MV	128.151	0.69	2	DWF
49665 1999 NL_{2}	37.8301	0.53	2	DWF
49667 1999 OM_{2}	3.48608	0.40−0.60	3	
49668 1999 OP_{2}	2.072	0.08	1	SWF
49669 1999 RZ_{30}	3.119	0.26	2+	
49670 1999 RZ_{33}	9.34521	0.25	2	DWF
49671 1999 RP_{46}	700.072	0.68	2	SWF
49672*1999 RM_{103}	4.648	0.18−0.29	2	SWF
49674 1999 SB_{5}	7.56	1.22	3−	
49675 1999 SW_{27}	4.994	0.40−0.59	3	
49676 1999 TZ_{2}	319.385	0.86	2	DWF
49678 1999 TQ_{7}	3.957	0.34−0.40	3	
49684 1999 TH_{137}	32.4416	0.68	2	DWF
49686 1999 TP_{154}	54.7036	0.16	2	DWF
49719 1999 VE_{50}	1.24	0.09	1+	SWF
49725 1999 VD_{67}	3.63	0.15	2	SWF
49746 1999 VG_{156}	57.0354	0.23	2	DWF
49754 1999 VL_{172}	6.265		2−	SWF
49756 1999 VJ_{177}	105.631	0.12	2	DWF
49758 1999 VY_{188}	5.209	0.20	2	SWF
49766 1999 WS	6.82	0.61−0.88	2+	SWF
49767 1999 WK_{2}	40.304	0.13	2	DWF
49777 Cappi	5.939	0.78	2	SWF
49781 1999 XT_{7}	6.436	0.40	2	SWF
49791*1999 XF_{31}	13.822	0.20	3	
49795 1999 XJ_{32}	5.938	0.37−0.45	2	SWF
49820 1999 XS_{64}	10.195	0.33	2	SWF
49832 1999 XA_{84}	2.520	0.10	1	SWF
49848 1999 XG_{94}	24.9269	0.26	2	DWF
49853 1999 XG_{96}	5.818		2	SWF
49859 1999 XB_{100}	12.591	0.35	2	SWF
49868 1999 XF_{112}	33.288	0.27	2	SWF
49871 1999 XY_{118}	5.592		2−	SWF
49876 1999 XG_{131}	17.3635	0.68	2	DWF
49877 1999 XD_{133}	96.548	0.22	2	DWF
49879 1999 XH_{135}	5.875	0.90	2	SWF
49880 1999 XP_{135}	11.111	0.10	1	
49889 1999 XA_{158}	7.06	0.10	2	SWF
49904 1999 XN_{165}	10.441	0.13	2	
49910 1999 XS_{169}	2.758	0.09−0.12	2	SWF
49911 1999 XT_{169}	12.5196	0.39	3	
49912 1999 XY_{170}	147.442	0.41	2	DWF
49923 1999 XQ_{174}	5.21	0.25	2+	
49935 1999 XV_{179}	2.6595	0.15	2	DWF
49944 1999 XQ_{193}	5.32058	0.45	2	DWF
49948 1999 XF_{205}	4.933		2	SWF
49953 1999 XL_{215}	2.99645	0.37−0.38	3	
49965 1999 XA_{231}	20.6395	0.37	2	DWF
49975 1999 YZ_{2}	11.3453	0.35	2	DWF
49978 1999 YT_{5}	43.7262	0.32	2	DWF
49986 2000 AF_{2}	5.96004	0.15	2	DWF
50000 Quaoar	8.840	0.13−0.18	2 1AB	
50002 2000 AB_{16}	5.568	0.96	2	SWF
50008 2000 AF_{25}	16.417	0.59	2	SWF
50013 2000 AE_{31}	3.770	0.52	2	SWF
50016 2000 AT_{32}	2.92	0.20	2	SWF
50023 2000 AY_{37}	8.936	0.45	2	SWF
50025 2000 AR_{41}	11.003	0.63	2	SWF
50031 2000 AH_{47}	6.61	0.91	3−	SWF
50034*2000 AJ_{48}	61.564	0.42−0.55	2	SWF
50038 2000 AT_{54}	7.26	0.68−0.82	3− p	SWF
50041 2000 AL_{58}	10.5205	0.26	2	DWF
50081 2000 AL_{88}	9.589	0.55−0.56	2	SWF
50089 2000 AA_{95}	5.865	0.08	1	SWF
50093 2000 AT_{96}	S 5.76910		2 p N	LCI-W
50112 2000 AJ_{116}	4.70431	0.17	2	DWF
50121 2000 AS_{122}	24.528		2−	SWF
50129 2000 AN_{125}	3.002	0.40	2	SWF
50138 2000 AY_{128}	11.380	0.67	2	SWF
50142 2000 AY_{129}	18.274	0.50	2	SWF
50149 2000 AU_{136}	9.3677	0.62	2+	
50156*2000 AN_{142}	4.956	0.22−0.29	2	SWF
50171*2000 AA_{159}	5.462	0.79−0.85	2	SWF
50176 2000 AH_{163}	158.592	0.61	2	SWF

Planet	Period	Variation	Note	Survey
50179 2000 AW_{163}	6.066	0.41	2	SWF
50190 2000 AK_{193}	7.45742	0.19	2	DWF
50196 2000 AM_{198}	10.166	0.43	2	SWF
50203 2000 AH_{203}	7.2	>0.4	1	
50211 2000 AA_{232}	772.039	0.66	2	DWF
50212 2000 AJ_{233}	8.12537	0.38	2	DWF
50237 2000 BJ_{3}	5.71335	0.40	2	DWF
50248 2000 BB_{16}	16.659	0.09	1	SWF
50257 2000 BQ_{26}	5.110	0.80	2	SWF
50261 2000 BM_{27}			HN	DWF
50262 2000 BN_{27}	2.978	0.31	2	SWF
50274 2000 CN_{1}			HN	DWF
50276 2000 CS_{2}	299.276	0.38	2	DWF
50285 2000 CB_{25}	S 8.39345		2 p N	LCI-W
50286 2000 CA_{26}	6.652	0.87	2	SWF
50287 2000 CT_{26}	3.430	0.45−0.50	2	SWF
50291 2000 CX_{28}	4.04343	0.26	2	DWF
50303 2000 CX_{36}	3.625	0.08	1	SWF
50317 2000 CZ_{47}	2.6785	0.20	2	SWF
50320 2000 CT_{50}	20.0842	0.35	2	DWF
50321 2000 CH_{51}	5.695	0.58	2	SWF
50325 2000 CT_{53}	5.33134	0.51	2	DWF
50326 2000 CH_{54}	7.11552	0.46	2	DWF
50329 2000 CK_{56}	7.06	0.14	2	SWF
50332 2000 CP_{57}	13.241	0.06	1	SWF
50338 2000 CU_{61}	5.720	0.39−0.44	2	SWF
50349 2000 CC_{70}	3.224	0.31	2	SWF
50350*2000 CD_{70}	5.75	0.57−0.98	2	SWF
50352 2000 CK_{70}	10.535	0.16	2	SWF
50353 2000 CW_{70}	3.49617	0.07	2	DWF
50361 2000 CE_{76}	6.54035	0.31	2	DWF
50371 2000 CT_{84}	10.853	0.09	2	DWF
50378 2000 CV_{88}	5.605	0.45−0.46	2	SWF
50379 2000 CB_{89}	2.99993	0.02	2	DWF
50381 2000 CG_{89}	9.657	0.61	2 p	SWF
50399 2000 CQ_{102}	3.42	0.13	2	SWF
50401 2000 CJ_{109}	182.514	0.24	2	DWF
50403 2000 CB_{114}	2.5671	0.17	3−	
50406 2000 CK_{116}	7.156	0.25	2	SWF
50411 2000 DS	5.020	0.45	2	SWF
50413 Petrginz	4.80	0.74	2	SWF
50418 2000 DC_{7}	9.05322	0.19	2	DWF
50427 2000 DT_{15}	15.756	0.15	2	DWF
50429 2000 DB_{16}	10.8379	0.24	2	DWF
50433 2000 DC_{22}	8.42	0.32	2	SWF
50455 2000 DX_{52}	2.56	0.14	2	SWF
50458 2000 DC_{55}	>5.40	>0.26		SWF
50468 2000 DA_{69}	7.2	0.05	1	
50478 2000 DN_{74}	9.067	0.86	2	SWF
50487 2000 DH_{85}			HN	DWF
50493 2000 DL_{93}	4.638	0.40−0.46	2	SWF
50495 2000 DU_{93}	13.927	0.72	2	SWF
50502 2000 DB_{98}	23.9926	0.26	2	DWF
50510 2000 DE_{101}	3.79414	0.21	2	DWF
50511*2000 DZ_{101}	2.89975	0.23	2 A	DWF
50515 2000 DS_{105}	3.75	0.38	3	SWF
50518 2000 DL_{109}	6.071	0.83	2	SWF
50533 2000 EP_{12}	11.1717	0.22	2	DWF
50554 2000 EC_{24}	161.921	0.60	2	SWF
50557 2000 EN_{25}	5.206	0.27	2	SWF
50561 2000 EB_{30}	2.8709	0.12	2	DWF
50566 2000 EL_{38}	4.606	0.62−0.73	2	SWF
50569 2000 ET_{38}	6.222	0.83	2	SWF
50573 2000 EX_{39}	3.9789	0.19	2 A	
50575 2000 EL_{40}	4.308	0.08	1	SWF
50583 2000 EN_{42}	7.744	0.95	2	SWF
50596 2000 EV_{47}	2.908	0.08	2	SWF
50598 2000 EH_{48}	90.6557	0.49	2	DWF
50602 2000 EM_{50}	4.48791	0.32	2	DWF
50606 2000 ES_{55}	>1.00	>0.05		SWF
50607 2000 EE_{56}	11.309	0.46	2	DWF
50609 2000 EU_{56}	200.891	0.19	2	DWF
50641 2000 EM_{84}	66.8414	0.44	2	DWF
50647 2000 EN_{88}	319.971	0.88	2	SWF
50648 2000 EL_{89}	4.80	0.19	2	SWF
50652*2000 ER_{91}	4.396	0.42−0.48	2	SWF
50659 2000 EW_{94}	4.41465	0.44	2	DWF
50672 2000 EN_{107}	5.216	0.30	2	SWF
50677 2000 ED_{109}	3.67518	0.31	2	DWF
50679 2000 EZ_{109}	6.19201	0.33	2	DWF

Planet	Period	Variation	Note	Survey
50682*2000 EJ_{111}	7.237	0.68−0.80	2	SWF
50684 2000 ER_{111}	>1.30	>0.05		SWF
50694 2000 EM_{124}	3.962	0.65−0.69	2 p	SWF
50718 Timrobertson	106.627	0.23	2	DWF
50719 Elizabethgriffin	1256.016	0.42	2	SWF
50730 2000 EZ_{149}	7.395	0.44	2	SWF
50732 2000 EJ_{151}	53.3591	0.17	2	DWF
50734 2000 EP_{153}	7.972	0.27	2	SWF
50739 2000 EY_{156}	7.725	0.37	2	SWF
50740 2000 EO_{157}	12.932	0.46	2	SWF
50745 2000 ET_{165}	3.70	0.53	2	SWF
50746 2000 EJ_{170}	3.53307	0.20	2	DWF
50748 2000 ED_{171}	2.974	0.29	2	SWF
50749 2000 EL_{171}	8.69065	0.27	2	DWF
50756 2000 ET_{181}	263.918	0.33	2	DWF
50759 2000 EF_{183}	3.145	0.34	2	SWF
50762 2000 EY_{184}	3.198	0.29−0.32	2	SWF
50769 2000 FH_{3}	S 8.44545		2 p N	LCI-W
50774*2000 FK_{12}	5.36553	0.50	2 p	DWF
50776 2000 FS_{12}	11.156	0.36	2 p	SWF
50786 2000 FY_{19}	12.9431	0.47	2	DWF
50790 2000 FZ_{21}	53.4477	0.19	2	DWF
50791 2000 FY_{22}	5.57712	0.28	2	DWF
50792 2000 FZ_{22}	114.628	0.37	2	DWF
50806 2000 FH_{28}	4.66726	0.44	2	DWF
50811 2000 FZ_{29}	5.177	0.42−0.43	2	SWF
50816*2000 FU_{31}	34.1182	0.68	2 p	DWF
50822 2000 FH_{35}	6.	0.08	1+	
50823 2000 FL_{35}	3.97384	0.24	2	DWF
50827 2000 FN_{37}	2.68	0.20	2	SWF
50829 2000 FV_{37}	6.74178	0.26	2	DWF
50837 2000 FG_{42}	5.61899	0.56	2	DWF
50840 2000 FQ_{43}	12.8236	0.17	2	DWF
50843 2000 FS_{44}	3.42	0.35	2	SWF
50847 2000 FG_{46}	252.512	0.17	2	DWF
50864 2000 GM_{2}	4.03136	0.17	2	DWF
50866 Davidesprizzi	2.179	0.09	1	SWF
50879 2000 GT_{32}	9.7	0.3	1	
50886 2000 GW_{39}		0.64		SWF
50893 2000 GX_{41}	4.224	0.41	2	SWF
50894 2000 GA_{42}	>5.20	>0.13		SWF
50895 2000 GH_{42}	6.411	0.26	2	SWF
50897*2000 GA_{44}	8.7047	0.25	2 1A	DWF
50907 2000 GB_{52}	2.62	0.17	2	SWF
50911 2000 GC_{54}	5.051	0.43	2	SWF
50914 2000 GE_{56}	41.048	0.64	2	SWF
50915 2000 GG_{56}	3.687		2−	SWF
50925 2000 GW_{64}	835.256	0.60	2	DWF
50926 2000 GF_{65}	6.27	0.30−0.34	2	SWF
50932 2000 GE_{68}	4.65224	0.22	2	DWF
50933 2000 GR_{68}	11.8705	0.70	2	DWF
50934 2000 GW_{68}	17.9	0.53	2−	SWF
50960*2000 GN_{82}	12.2188	0.22−0.40	2+	DWF
50966 2000 GZ_{85}	3.119	0.09	1	SWF
50971 2000 GP_{88}	3.738	0.49−0.68	2	SWF
50972 2000 GE_{90}	7.56	0.43	1+	SWF
50975 2000 GQ_{91}	14.904	0.28	2	DWF
50982 2000 GO_{93}	256.595	0.28	2	DWF
50983 2000 GT_{93}	8.103	0.47	2	SWF
50985 2000 GB_{94}	9.96032	0.31	2	DWF
50987 2000 GD_{94}	36.8647	0.25	2	DWF
50989 2000 GG_{94}	11.6952	0.17	2	DWF
50990*2000 GH_{94}	5.149	0.20−0.23	2	SWF
50991 2000 GK_{94}	7.010	0.86	3	
51009 2000 GF_{103}	73.783	1.05	2	SWF
51010 2000 GN_{103}	139.156	0.39	2	SWF
51011 2000 GQ_{103}	162.752	0.61	2	DWF
51018 2000 GM_{107}	46.7194	0.29	2	DWF
51033 2000 GD_{122}	5.784	0.36	2	SWF
51034 2000 GB_{124}	13.7999	0.24	2	DWF
51035 2000 GO_{124}	14.401	0.32	2	SWF
51036 2000 GJ_{125}	4.59871	0.23	2	DWF
51040*2000 GC_{134}	7.869	0.25−0.42	2	SWF
51042 2000 GJ_{134}	S 5.02896		2 p N	LCI-W
51046 2000 GV_{136}	30.8182	0.19	2	DWF
51047 2000 GX_{136}	22.6537	0.20	2	DWF
51049 2000 GE_{137}	36.8465	0.19	2	DWF
51063 2000 GO_{143}	5.20593	0.42	2	DWF
51067 2000 GP_{153}	>1.35	>0.13		SWF
51069 2000 GV_{157}	3.904	0.31	2	SWF

Planet	Period	Variation	Note	Survey
51075 2000 GG_{162}	>1.0	0.04−0.6		
51077 2000 GT_{163}	2.06189	0.17	2	DWF
51088 2000 GE_{177}	4.12	0.57	1+	SWF
51092 2000 HH	5.01049	0.60	2	DWF
51096 2000 HP_{7}	8.11	0.73−0.75	3−	SWF
51099 2000 HZ_{8}	7.692	0.55−0.66	2	SWF
51100 2000 HQ_{10}	>15.	>0.5	2−	SWF
51109 2000 HA_{25}	4.92	0.25	2	SWF
51112 2000 HQ_{27}	16.3589	0.61	2	DWF
51122 2000 HN_{35}	2.7378	0.42	2	
51131*2000 HM_{41}	10.099	0.26−0.43	2	SWF
51135 2000 HO_{44}	4.486	0.44	2	SWF
51149*2000 HF_{52}	3.446	0.33	2	
51152 2000 HL_{54}	23.7579	0.25	2	DWF
51154 2000 HC_{56}	6.125	0.40	2	SWF
51156 2000 HJ_{56}	4.446	0.37	2	SWF
51160 2000 HR_{57}	5.397	0.52	2	SWF
51174 2000 HH_{69}	185.238	0.57	2	DWF
51176 2000 HF_{70}	25.022	0.69	2	SWF
51183 2000 HS_{76}	14.8957	0.22	2	DWF
51191 2000 HT_{94}	13.235	0.46	2	SWF
51202 2000 JR_{6}		0.52		SWF
51208*2000 JV_{13}	3.37	0.17−0.18	2	SWF
51214 2000 JF_{22}	5.503	0.48	2	SWF
51216 2000 JU_{22}	6.58734	0.19	2	DWF
51219 2000 JE_{23}	>0.87	>0.15		SWF
51220 2000 JG_{23}	198.808	0.08	1	SWF
51224 2000 JU_{24}	34.890	0.73−0.82	2	SWF
51227 2000 JK_{25}	S 9.84392		2 p N	LCI-W
51228 2000 JQ_{26}	>1.35	>0.80		SWF
51229 2000 JF_{27}	4.78	0.25	2	
51238 2000 JT_{34}	250.645	0.42	2	SWF
51245 2000 JW_{40}	17.7039	0.19	2	DWF
51248 2000 JF_{46}	7.71543	0.43	2	DWF
51258 2000 JU_{59}	3.391	0.15	3	
51269 2000 JU_{72}	13.2191	0.23	2	DWF
51270 2000 JK_{73}	13.285	0.45	2	DWF
51276 2000 JZ_{81}	5.555	0.8	1	
51279 2000 JC_{85}	89.5379	0.24	2	DWF
51283*2000 KN_{7}	4.775	0.20−0.32	2+	
51286*2000 KX_{15}	21.2702	0.23−0.46	2	DWF
51293 2000 KP_{30}	217.817	0.58	2	DWF
51299 2000 KK_{52}	8.949	0.41	2	SWF
51302 2000 KY_{54}	2.46	0.08	2	
51303 2000 KR_{56}	69.3207	0.49	2	DWF
51305 2000 KL_{58}	7.251	0.47	2	DWF
51324 2000 LV_{8}	5.53664	0.11	2	DWF
51325 2000 LV_{16}	6.00024	0.22	2	DWF
51326 2000 LY_{16}	3.41188	0.15	2	DWF
51332 2000 LP_{35}	5.870	0.56	2	SWF
51334 2000 NW_{11}	29.5268	0.15	2	DWF
51338 2000 OZ_{24}	3.78388	0.05	2	DWF
51339*2000 OA_{61}	19.449	0.36−0.56	2	SWF
51342 2000 QO_{75}	2.910	0.26	2	SWF
51348 2000 QR_{169}	42.7625	0.21	2	DWF
51350*2000 QU_{176}	11.306	0.28−0.34	2	SWF
51354 2000 RX_{25}	45.8046	0.37	2	DWF
51356*2000 RY_{76}	2.5572	0.09	2+ AB	
51357 2000 RM_{88}	9.073	0.51	2	SWF
51358 2000 SO_{5}	163.399	0.64	2	DWF
51364 2000 SU_{333}	30.56	0.50−0.55	3−	
51365 2000 TA_{42}	58.76	0.14−0.26	2+	
51369 2000 WD_{158}	S 11.20539		2 p N	LCI-W
51371 2000 XF_{15}	54.	0.09	2− AT0	
51381 2001 BG_{51}	47.134	0.38−0.47	3	
51383 2001 BF_{77}	6.366	0.27	2	SWF
51384 2001 CP_{4}	11.696	0.58	2	SWF
51385 2001 CR_{20}	3.65352	0.36	2	DWF
51386 2001 CN_{35}	48.0	0.36	2 T0	
51409 2001 EU_{6}	17.6189	0.12	2	DWF
51415 Tovinder	26.3989	0.84	2	DWF
51422 2001 EJ_{24}	117.769	0.50	2	DWF
51423 2001 FJ	3.971	0.61	2	SWF
51429 2001 FU_{5}	11.8332	0.08	2	DWF
51431 Jayardee	6.470		2−	SWF
51458 2001 FL_{42}	6.23	0.58	2	SWF
51472 2001 FU_{53}	S 4.503525		2 p N	LCI-W
51473 2001 FW_{54}	24.3649	0.15	2	DWF
51486 2001 FL_{73}	7.391	0.57	2	SWF
51495 2001 FO_{79}	17.919	0.39−0.71	2	SWF
51497 2001 FB_{80}	2.98537	0.19	2	DWF
51503 2001 FA_{87}	69.1089	0.37	2	DWF
51511 2001 FP_{98}	9.438	0.57	3−	
51513 2001 FY_{99}	3.428	0.46	2	SWF
51519 2001 FT_{109}	2.057	0.08	1	SWF
51523 2001 FJ_{120}	5.102	0.26	2	SWF
51524*2001 FJ_{121}	3.086	0.24−0.29	2	SWF
51542 2001 FA_{147}	2.819	0.31	2	SWF
51543 2001 FJ_{150}	46.295		2−	SWF
51573 2001 HX_{4}	4.667	0.94	2	SWF
51608 2001 HF_{32}	70.4304	0.19	2	DWF
51609*2001 HZ_{32}	6.767	0.40−0.42	3	
51612 2001 HT_{33}	3.49	0.22	2−	SWF
51613 2001 HS_{34}	6.23	0.19	2	
51618 2001 HV_{35}	83.1575	0.26	2	DWF
51624 2001 HT_{37}	12.086	0.38	2	SWF
51656 2001 JD	11.908	0.45	2 p	SWF
51659 2001 JN_{1}	4.995	0.09	1	SWF
51694 2001 KX_{14}	59.9898	0.15	2	DWF
51702 2001 KK_{24}	5.13875	0.24	2	DWF
51718 2001 KL_{34}	5.14889	0.24	2	DWF
51720 2001 KZ_{36}	237.372	1.08	2	DWF
51734 2001 KX_{46}	15.434	0.31	2	SWF
51739 2001 KQ_{49}	3.55	0.41	2	SWF
51744 2001 KP_{56}	9.743	0.63	2	SWF
51756 2001 LO_{3}	44.5284	0.25	2	DWF
51761 2001 LD_{7}	4.087	0.43	2	SWF
51773 2001 MV	3.9976	0.16	3 N	
51777 2001 MG_{8}	155.931	0.79	2	SWF
51778 2001 MV_{8}	2.16973	0.25	2	DWF
51780 2001 MB_{9}	5.810	0.70−0.78	2	SWF
51801 2001 NZ_{2}	133.893	0.18	2	SWF
51802*2001 NF_{4}	4.146	0.22−0.28	2	SWF
51807 2001 NX_{19}	>1.02	>0.05		SWF
51808 2001 OM_{1}	32.4555	0.20	2	DWF
51813 2001 OT_{8}	7.15546	0.31	2	DWF
51816 2001 OY_{12}	5.148	0.41	2	SWF
51817 2001 OA_{13}	19.692	0.80	2	SWF
51819 2001 OZ_{15}	4.182	0.33	2	SWF
51820 2001 OT_{19}	2.653	0.05	1	SWF
51822 2001 OB_{25}	S 4.67130		2 p N	LCI-W
51828 Ilanramon	3.61	0.88	2	SWF
51830 2001 OO_{44}	8.40984	0.74	2	DWF
51832 2001 OS_{46}	19.757	0.94	2 p	SWF
51840*2001 OH_{65}	3.115	0.27−0.39	2+	
51847 2001 OV_{88}	7.315		2−	SWF
51851 2001 OC_{93}	7.661	0.63	2	SWF
51853*2001 OY_{96}	6.801	0.33−0.49	2	SWF
51854 2001 OG_{100}	8.256	0.22	2	SWF
51855 2001 OK_{102}	9.621	0.51−0.52	2	SWF
51857*2001 OA_{105}	4.313	0.33−0.73	2 p	SWF
51866 2001 PH_{3}	3.4648	0.27−0.33	3	
51867 2001 PC_{4}	5.858	0.32	2	SWF
51868 2001 PE_{4}	42.4978	0.18	2	DWF
51870 2001 PC_{6}	17.020	0.30	2	SWF
51871 2001 PH_{8}	13.127	0.08	1	SWF
51874 2001 PZ_{28}	3.685	0.19	3−	
51875 2001 PG_{34}	7.74234	0.42	2	DWF
51886 2001 QV_{16}	48.854	0.27	2	DWF
51888 2001 QZ_{17}	331.	0.39	2+	
51894 2001 QU_{26}	S 21.9278		2 p N	LCI-W
51898 2001 QS_{36}	9.710	0.39	2	SWF
51902 2001 QL_{39}			HN	DWF
51906 2001 QN_{51}	6.511	0.90	2	SWF
51907 2001 QF_{58}	3.05219	0.29	2	DWF
51909 2001 QD_{60}	S 7.28470		2 p N	LCI-W
51911 2001 QD_{68}	4.02	0.21−0.32	2−	
51915 Andry	S 14.89562		2 p N	LCI-W
51916 2001 QQ_{73}	24.2165	0.26	2	DWF
51925 2001 QA_{98}	2.79574	0.20	2	DWF
51926 2001 QE_{98}	5.610	0.19	2	
51933 2001 QD_{133}	15.4408	0.35	2	DWF
51937 2001 QD_{159}	6.668	0.67−0.70	2	SWF
51943 2001 QK_{181}	37.9132	0.24	2	DWF
51951 2001 QD_{222}	S 26.3277		2 p N	LCI-W
51958 2001 QJ_{256}	16.79	0.30	2	
51959*2001 QH_{257}	27.510	0.30−0.36	2	SWF
51960 2001 QW_{261}	4.16067	0.26	2	DWF
51964 2001 QU_{276}	40.2216	0.13	2	DWF
51965 2001 QO_{281}	7.71478	0.55	2	DWF

Planet	Period	Variation	Note	Survey
51970 2001 RK_3	4.54219	0.23	2	DWF
51982 2001 RK_{150}	>5.40	>0.18		SWF
51983 Hönig	>5.30	>0.44		SWF
51987 2001 SV_{179}	2.82	0.18−0.22	2	SWF
51989 2001 ST_{286}	2.47976	0.22	2	DWF
51992 2001 TX_{37}	2.836	0.10	2	SWF
51995 2001 TK_{101}	8.938	0.95	2	SWF
51996 2001 TH_{118}	28.305	0.29	2	SWF
51998 2001 TR_{174}	6.60909	0.29	2	DWF
51999 2001 UC_{22}	6.67956	0.36	2	DWF
52001 2001 UO_{30}	405.837	0.89	2	DWF
52003 2001 VB_{77}	6.13527	0.39	2	DWF
52005 Maik	10.6553	0.34	2	DWF
52006 2002 EK_{31}	24.4635	0.11	2	DWF
52011 2002 LW_{19}	114.456	0.08	1	SWF
52020 2002 NM_{33}	96.5173	0.63	2	DWF
52026 2002 OA_{24}	23.519	0.14	2	DWF
52037 2002 PR_{47}	25.7494	0.24	2	DWF
52041 2002 PT_{61}	49.9412	0.38	2	DWF
52046 2002 PH_{83}	4.23	0.49	2	SWF
52054 2002 PB_{121}	6.284	0.69	2	SWF
52059 2002 PH_{133}	5.384	0.29	2	SWF
52060 2002 QJ_7	4.898	0.67	2	SWF
52065 2002 QA_{23}	2.355	0.07	1	SWF
52076 2002 RE_{29}	S 6.26154		2 p N	LCI-W
52122 4128 *P–L*	6.11312	0.48	2	DWF
52138 6131 *P–L*	6.824	0.09	1	SWF
52160 4229 *T–1*	>5.33	>0.21		SWF
52174 2183 *T–2*	44.3931	0.31	2	DWF
52179 2270 *T–2*	4.97	0.81	2	SWF
52186 4072 *T–2*	52.7537	0.17	2	DWF
52191 4263 *T–2*			HN	DWF
52192 5053 *T–2*	5.524	0.60−0.67	2	SWF
52194 1149 *T–3*	11.109	0.36	2	SWF
52198 2389 *T–3*	61.1995	0.15	2	DWF
52199 2465 *T–3*	11.953	0.74−0.82	2	SWF
52215 4213 *T–3*	9.394	0.10	1	SWF
52222 5111 *T–3*	12.4872	0.26	2	DWF
52224*5602 *T–3*	3.950	0.33−0.72	2	SWF
52235 1979 MW_2	8.360	0.73−0.75	2	SWF
52251 1981 EF_{32}	99.9276	0.61	2 1	DWF
52253 1981 EZ_{35}	11.86	0.97	1 DA	SWF
52263 1985 QD_6	3.72636	0.35	2	DWF
52264 1985 RD_2	4.67955	0.25	2	DWF
52266 Van Flandern	9.890	0.52−0.61	3	
52295 Köppen	37.2625	0.34	2	DWF
52296 1990 WM_3	9.342	0.22−0.25	2	SWF
52299 1991 NJ_1	6.097	0.47	2	DWF
52301 Qumran	3.225	0.08	1	SWF
52306 1991 RF_{20}	85.1683	0.36	2	DWF
52309 Philnicolai	4.641	0.62	2	SWF
52312 1991 VG_9	>1.15	>0.15		SWF
52314 1991 *XD*	7.683	0.56−0.61	3	
52316 Daveslater	2.7629	0.10	3 B	
52317 1992 BC_1	34.07	0.11	2+ A	
52318 1992 BC_3	27.5888	0.28	2	DWF
52330 1992 EA_{15}	3.203	0.29−0.33	2	SWF
52339 1992 RO_2	15.2658	0.21	2	DWF
52344 Yehudimenuhin	S 4.374596		2 p N	LCI-W
52351 1993 FN_{17}	37.9021	0.25	2	DWF
52353 1993 FP_{19}	5.05	0.16	2	SWF
52365 1993 FS_{38}	48.9226	0.15	2	DWF
52368 1993 FQ_{44}	12.0285	0.43	2	DWF
52369 1993 FH_{46}	80.2348	0.29	2	DWF
52379 1993 FL_{81}	17.213	0.73	2	SWF
52381*1993 *HA*	4.1103	0.42−0.58	3	
52385 1993 *OC*	60.4662	0.75	2	DWF
52387 Huitzilopochtli	>26.	>0.4	2 T0	
52392 1993 RG_5	3.351	0.26−0.29	2	SWF
52402 1993 *TL*	68.7	0.22−0.26	2+	
52410*1993 UG_6	43.072	0.35−0.77	2	SWF
52421 Daihoji	S 22.5465		2 p N	LCI-W
52423 1994 *LZ*	32.9388	0.29	2	DWF
52431 1994 PS_{10}			HN	DWF
52436 1994 PM_{26}	3.58	0.11	2	SWF
52437 1994 PY_{27}	5.02	0.66−0.83	3	SWF
52439 1994 *QL*	S 44.8454		2 p N	LCI-W
52441 1994 RS_1	6.36	0.29	2 A	
52443 1994 *TW*	51.0196	0.26	2	DWF
52444 1994 TQ_2	5.88515	0.22	2	DWF

Planet	Period	Variation	Note	Survey
52450 1994 *VL*	23.6421	0.25	2	DWF
52464 1995 MC_2	95.4206	0.24	2	DWF
52485 1995 *WD*	199.779	0.45	2	DWF
52487*1995 XO_2	4.63789	0.08−0.34	1	SWF
52505 1996 FD_4	3.846	0.37	2+	
52516 1996 HO_{20}	>0.92	>0.16		SWF
52521 1996 JU_3	3.49	0.14−0.16	2	SWF
52522 1996 JW_{10}	9.388	0.57−0.61	2	SWF
52526 1996 PF_3	39.3911	0.28	2	DWF
52532 1996 TP_8	6.537	0.39	2	SWF
52537 1996 TL_{32}	307.712	0.24	2	DWF
52549 1996 XB_{31}	14.33	0.19	2	SWF
52560 1997 GL_{14}	3.555	0.07	1	SWF
52583 1997 NY_6	2.93939	0.21	2	DWF
52586 1997 *PB*	3.04	0.38	2−	
52587*1997 *PD*	4.4571	0.09−0.21	3−	
52588 1997 PD_1	>1.10	>0.10		SWF
52598 1997 SR_3	21.182	0.53	2	SWF
52618 1997 VP_2	4.33115	0.13	2	DWF
52620 1997 VQ_3	3.210	0.25	2	SWF
52624 1997 VW_8	S 6.19341		2 p N	LCI-W
52627 1997 WU_2	149.839	0.60	2	DWF
52632 1997 WN_{21}	400.728	1.11	2	DWF
52634 1997 WR_{28}	4.351	0.07	1	SWF
52640*1997 WJ_{46}	7.410	0.40−0.43	2	SWF
52646 1997 *YC*	14.491	0.48	2	SWF
52650 1997 YF_{15}	9.66662	0.37	2	DWF
52672 1998 DH_5	108.282	0.30	2	DWF
52676 1998 DF_{16}	29.3933	0.15	2	DWF
52678 1998 DC_{21}	3.45123	0.33	2	DWF
52681 Kelleghan	6.363	0.68−0.72	2	SWF
52684 1998 EQ_8	7.905	0.42	2	SWF
52692*1998 FO_8	13.366	0.27−0.34	2	SWF
52695*1998 FG_{32}	15.692	0.76	2 p	DWF
52696*1998 FC_{51}	4.29	0.28−0.49	2	SWF
52700 1998 FG_{62}	16.973	0.63	2	SWF
52708 1998 FS_{82}	32.8695	0.32	2	DWF
52709 1998 FA_{84}	16.003	0.32−0.36	2	SWF
52710 1998 FS_{90}	>5.40	>0.17		SWF
52711 1998 FE_{104}	18.3328	0.23	2	DWF
52722 1998 *GK*	11.587	0.4	2	
52723 1998 GP_2	S 11.90781		2 p N	LCI-W
52741 1998 HW_{116}	S 7.24709		2 p N	LCI-W
52748 1998 JJ_1	4.258	0.73−0.80	3	
52750 1998 KK_{17}	26.43	0.15−0.24	2+ B?	
52760 1998 ML_{14}	14.28	0.12−0.15	2 p	
52762 1998 MT_{24}	12.08	0.27−0.4	2 A	
52766 1998 MC_{38}	2.58978	0.12	2	DWF
52768*1998 OR_2	4.1120	0.12−0.29	3	
52773*1998 QU_{12}	3.7083	0.32−0.35	3	
52776 1998 QS_{19}	7.151	0.52−0.55	2	SWF
52785 1998 QN_{38}	7.04	0.59	2	SWF
52786 1998 QP_{42}	>144.	>0.5	2 HN	DWF
52796 1998 QA_{52}	26.6747	0.20	2	DWF
52801 1998 QG_{63}	5.197	0.60	2	SWF
52810 1998 QS_{91}	86.3962	0.47	2	DWF
52816 1998 QX_{98}			HN	DWF
52818 1998 QH_{103}	47.3214	0.38	2	DWF
52819 1998 QK_{104}	3.95	0.38	2	SWF
52820 1998 RS_2	S 2.13412		2 p N	LCI-D
52826 1998 RK_{34}	94.3782	0.80	2	DWF
52839 1998 RZ_{55}	49.2	>0.1	1	
52844 1998 RB_{66}	S 4.832832		2 p N	LCI-W
52848 1998 RY_{71}	20.1918	0.11	2	DWF
52852 1998 RB_{75}	5.432	0.18	3−	
52866 1998 ST_{23}	20.088		2−	SWF
52868 1998 SJ_{25}	5.46152	0.63	2	DWF
52870 1998 SC_{26}	S 4.126138		2 p N	LCI-W
52872 Okyrhoe	9.72	0.07−0.4	2 A	
52884 1998 SX_{54}	4.37717	0.13	2	DWF
52889 1998 SH_{61}	2.567	0.09	1	SWF
52906 1998 SW_{81}	>1.9	>0.07		SWF
52909 1998 SZ_{86}	S 6.17653		2 p N	LCI-W
52914 1998 SE_{102}	3.43553	0.19	2	DWF
52931 1998 SN_{127}	26.0926	0.15	2	DWF
52945 1998 SQ_{142}	7.47969	0.30	2	DWF
52946 1998 SZ_{142}	7.65228	0.75	2	DWF
52963 Vercingetorix	3.265	0.10	1	
52970 1998 TS_{30}	4.2255	0.45	2	DWF
52995 1998 UJ_{32}	10.2682	0.15	2	DWF

Planet	Period	Variation	Note	Survey
53008 1998 VY_5	47.	0.11−0.30	2	
53011 1998 VH_9	4.817	0.09	1	SWF
53020 1998 VH_{33}	4.28602	0.32	2	DWF
53027 1998 WM_5	17.6458	0.16	2	DWF
53028 1998 WX_5	4.437	0.53	2	SWF
53031 1998 WE_7	5.98628	0.64	2	DWF
53033 1998 WN_9	4.332		2−	SWF
53041 1998 WL_{20}	27.1153	0.16	2	DWF
53043 1998 WY_{21}	30.406	0.77	2	SWF
53052 1998 XN_8	29.8805	0.28	2	DWF
53056 1998 XY_{14}	357.172	0.75	2	DWF
53059 1998 XH_{20}	25.6822	0.16	2	DWF
53067 1998 XY_{45}	4.57274	0.24	2	DWF
53071 1998 XO_{54}	30.4125	0.18	2	DWF
53086 1998 XK_{95}	5.09035	0.59	2	DWF
53089 1998 YM_5	2.71892	0.13	2	DWF
53091 1998 YD_8	16.2575	0.17	2	DWF
53100 1998 YH_{30}	4.57404	0.48	2	DWF
53102 1999 AZ	240.139	0.25	2	DWF
53109 1999 AD_5	7.10456	0.20	2	DWF
53110 1999 AR_7	2.7375	0.10−0.25	3 B	
53113 1999 AP_8	7.830	0.32	2	SWF
53115 1999 AM_{14}	4.04	0.16	2	
53120 1999 AE_{21}			HN	DWF
53122 1999 AS_{22}	2.910	0.45	2	SWF
53123 1999 AB_{23}	5.460	0.67	2	SWF
53124 1999 AC_{23}	9.75749	0.53	2	DWF
53128 1999 AS_{25}	41.7551	0.34	2	DWF
53130 1999 AY_{30}	5.27438	0.50	2	DWF
53131 1999 AM_{31}	132.865	0.51	2	DWF
53133 1999 AQ_{34}	5.25069	0.11	2	DWF
53135 1999 BA_3	14.5106	0.30	2	DWF
53136 1999 BB_3	17.9888	0.61	2	DWF
53141 1999 BW_6	5.81166	0.61	2	DWF
53142 1999 BR_7	81.1982	0.62	2	DWF
53150 1999 BV_{17}	47.8384	0.15	2	DWF
53161 1999 CP_6	4.30501	0.28	2	DWF
53169 1999 CA_{18}	24.023		2−	SWF
53172 1999 CQ_{21}	20.8901	0.13	2	DWF
53173 1999 CF_{22}	4.08859	0.18	2	DWF
53176 1999 CF_{31}	2.558	0.18	2	SWF
53177 1999 CR_{31}	21.4579	0.20	2	DWF
53180 1999 CS_{38}	112.906	0.59	2	DWF
53185*1999 CZ_{44}	8.33249	0.58	2 p	DWF
53186 1999 CB_{45}	13.191	0.55−0.63	2 p	SWF
53190 1999 CT_{49}	21.6867	0.12	2	DWF
53196 1999 CF_{55}	9.309	0.46	2	SWF
53197 1999 CR_{56}	36.5937	0.48	2	DWF
53198 1999 CO_{60}	>3.72	>0.10		SWF
53201 1999 CG_{70}	>1.15	>0.24		SWF
53204 1999 CZ_{73}	176.816	0.43	2	DWF
53205 1999 CA_{74}	15.6677	0.55	2	DWF
53206 1999 CK_{74}	3.826	0.50	2	SWF
53207 1999 CQ_{74}	8.436	0.27	2	SWF
53208 1999 CE_{75}	2.354	0.23	2	SWF
53209 1999 CQ_{75}	14.335	0.24	2	SWF
53213 1999 CU_{80}	94.7011	0.47	2	DWF
53214 1999 CZ_{82}	8.102		2−	SWF
53223 1999 CX_{93}	483.45	0.55	2	DWF
53247 1999 DE_2	4.790	0.42	3−	
53273 1999 FZ_{24}	5.38672	0.23	2	DWF
53277 1999 FU_{32}	3.13637	0.21	2	DWF
53284 1999 FK_{47}	5.167	0.20	2	SWF
53286 1999 FH_{57}	3.33563	0.20	2	DWF
53291 1999 GQ_{10}	7.80	0.40	2	SWF
53294 1999 GS_{16}	7.4	0.36	2	
53298 1999 GF_{25}	5.51	0.42−0.45	3−	SWF
53300 1999 GD_{31}	3.86	0.13	2	SWF
53303 1999 GF_{45}	6.24379	0.50	2	DWF
53319 1999 JM_8	136.	0.7	2 T	
53324 1999 JZ_{18}	3.59911	0.20	2 1	DWF
53328 1999 JS_{26}	19.059	0.34	2	SWF
53337 1999 JX_{42}	137.138	0.41	2	SWF
53342*1999 JK_{51}	4.622	0.71−0.77	2	SWF
53352 1999 JL_{67}	43.4755	0.41	2	DWF
53362 1999 JY_{76}	S 5.30555		2 p N	LCI-W
53370 1999 JY_{81}	36.3716	0.18	2	DWF
53371 1999 JA_{83}	740.716	0.27	2	DWF
53385 1999 JB_{93}	3.06097	0.20	2	DWF
53388 1999 JZ_{95}	3.90466	0.08	2	DWF

Planet	Period	Variation	Note	Survey
53396 1999 JL_{104}	1.41998	0.26	2	DWF
53397 1999 JJ_{107}	240.725	0.28	2	DWF
53399 1999 JG_{112}	3.335	0.26	2	SWF
53401 1999 JT_{115}	39.0415	0.24	2	DWF
53424 1999 SC_3	6.40	0.10	2+	
53425 1999 SO_4	3.946	0.31	2	SWF
53426 1999 SL_5	5.03	0.15	2	
53430 1999 TY_{16}	9.5819	0.53−0.80	3	
53431 1999 UQ_{10}	2.650	0.10−0.15	3	
53432 1999 UT_{55}	3.330	0.10	3 B	
53435 1999 VM_{40}	5.189	0.19−0.38	3	
53437 1999 WL_2	8.57357	0.51	2	DWF
53438 1999 WY_9	5.635	1.12	2+	
53439 1999 WA_{10}	3.89924	0.09	2	DWF
53440 1999 XQ_{33}	5.3276	0.14	3	
53453 1999 XX_{135}	3.407	0.37	3−	
53465 1999 XY_{222}	5.072	0.13	2	SWF
53467 2000 AD_1	18.5125	0.20	2	DWF
53476*2000 AQ_{49}	6.05626	0.61	2 p	DWF
53480 2000 AM_{56}	>1.35	>0.10		SWF
53490 2000 AZ_{65}	>1.65	>0.12		SWF
53491 2000 AM_{66}	>2.02	>0.17		SWF
53494 2000 AP_{68}	4.126	0.17	2	SWF
53515 2000 AT_{136}	8.652	0.48−0.49	2	SWF
53518 2000 AR_{137}	5.97135	0.30	2	DWF
53520 2000 AQ_{144}	491.793	0.56	2	DWF
53523 2000 AC_{153}	2.172	0.09	1	SWF
53530 2000 AV_{200}	4.310	0.26−0.34	3−	
53531 2000 AD_{212}	2.69	0.11	2	SWF
53533 2000 AA_{216}	5.674	0.51	2	SWF
53535 2000 AH_{237}	18.882	0.10	1	SWF
53537*2000 AZ_{239}	72.74	0.38−0.39	3−	
53546 2000 BY_6	21.5525	1.70	2	DWF
53549 2000 BN_{14}	4.70699	0.25	2	DWF
53554 2000 CH_2	6.00128	0.57	2	DWF
53563 2000 CJ_{29}	2.75072	0.08	2	DWF
53576*2000 CS_{47}	3.2463	0.17	2 A	
53585 2000 CF_{52}	>33.	>0.1	N	
53595 2000 CK_{62}	4.10	0.14	2	
53601 2000 CK_{72}	>16.	>0.15	1	SWF
53603 2000 CF_{75}	6.16497	0.61	2 A	DWF
53619 2000 CC_{93}	61.9332	0.28	2	DWF
53620 2000 CN_{93}	3.16	0.61−0.66	2	SWF
53625 2000 CZ_{96}	237.337	0.25	2	DWF
53632 2000 CP_{123}	9.055	0.65	2	SWF
53634 2000 DF_1	52.1092	0.59	2	DWF
53639 2000 DJ_{13}	5.11	0.55−0.56	2	SWF
53691 2000 DM_{83}	241.649	0.42	2	DWF
53727 2000 ET_{34}	129.147	0.76	2	DWF
53734 2000 EB_{46}	5.05	0.31	2	SWF
53739 2000 EB_{49}	28.913	0.23	2	SWF
53758 2000 ED_{76}	4.33581	0.51	2	DWF
53767 2000 EV_{84}	>1.35	>0.07		SWF
53781 2000 EY_{94}	>3.27	>0.16		SWF
53785 2000 EL_{97}	17.186		2−	SWF
53789 2000 ED_{104}	43.	>1.1	2 NT0	
53790 2000 EV_{105}	9.60	0.36	2+	SWF
53798 2000 ER_{112}	51.721		2−	SWF
53799*2000 EP_{118}	7.29468	0.52	2 p	DWF
53800 2000 EZ_{118}	3.81849	0.15	2	DWF
53802 2000 EQ_{120}	S 75.566		2 p N	LCI-W
53812 2000 EL_{136}	S 7.42340		2 p N	LCI-W
53815 2000 EQ_{137}	2.705	0.33	2	SWF
53818 2000 EV_{138}	3.56546	0.15	2	DWF
53819 2000 ER_{139}	3.17963	0.38	2	DWF
53827 2000 EH_{149}	8.97	0.93	2	SWF
53828 2000 ED_{155}	5.82835	0.27	2	DWF
53843 Antjiekrog	4.213	0.29	2 p	SWF
53848 2000 FT_{13}	6.94406	0.57	2	DWF
53852 2000 FM_{17}	5.84946	0.29	2	DWF
53857 2000 FQ_{21}	3.9323	0.51	2	DWF
53859 2000 FZ_{23}	96.9724	0.19	2	DWF
53863 2000 FJ_{26}	7.104	0.82	2	SWF
53871 2000 FN_{31}	22.9492	0.10	2	DWF
53874 2000 FB_{33}	98.5817	0.61	2	DWF
53880 2000 FJ_{37}	9.12461	0.15	2	DWF
53900 2000 FV_{49}	8.22168	0.88	2	DWF
53907 2000 GL_1	24.001		2−	SWF
53909 2000 GC_4	3.100	0.25−0.35	2	SWF
53912 2000 GL_5	>1.88	>0.19		SWF

Planet	Period	Variation	Note	Survey
53916*2000 GW_7	18.687	0.17	3−	
53924 2000 GJ_{37}	5.400	0.33	2	SWF
53929 2000 GQ_{40}	31.6349	0.31	2	DWF
53930 2000 GO_{42}	10.593	0.52	2	SWF
53933 2000 GG_{44}	6.23	0.73	1	SWF
53964 2000 GO_{64}	9.15576	0.60	2	DWF
53965 2000 GY_{64}	4.90	0.25	2	SWF
53972 2000 GM_{66}	11.48	0.20	2	SWF
53975 2000 GA_{68}	S 7.25263		2 p N	LCI-W
53980 2000 GK_{73}	2.870	0.19	2	SWF
53982 2000 GG_{74}	36.376	0.83	2	SWF
54023 2000 GD_{100}	51.855	0.08	1	SWF
54025 2000 GU_{103}	348.946	0.45	2	DWF
54030 2000 GF_{105}	S 5.539371		2 p N	LCI-W
54032 2000 GL_{106}	18.1704	0.17	2	DWF
54041*2000 GQ_{113}	18.86	0.07−0.20	2	
54051 2000 GL_{126}	5.94	0.20	2−	
54058 2000 GG_{134}	S 8.19137		2 p N	LCI-W
54059 2000 GN_{134}	5.54339	0.69	2	DWF
54060 2000 GR_{134}	3.52317	0.31	2	DWF
54062 2000 GX_{135}	17.1333	0.16	2	DWF
54063 2000 GC_{136}	5.154	0.45	3	
54066 2000 GN_{139}	7.05304	0.48	2	DWF
54071 2000 GQ_{146}	51.	>0.2	2− NT0	
54076 2000 GL_{154}	4.95	0.25	2	SWF
54085 2000 GY_{163}	11.568	0.14	2	DWF
54098 2000 HW_3	224.484	0.51	2	DWF
54107 2000 HM_9	>3.62	>0.23		SWF
54108 2000 HU_9	7.184	0.77	2	SWF
54114 2000 HZ_{12}	S 5.28459		2 p N	LCI-W
54124 2000 HK_{27}	57.6377	0.17	2	DWF
54128 2000 HW_{30}	82.4983	0.38	2	DWF
54134 2000 HK_{34}	64.6117	0.54	2	DWF
54139*2000 HZ_{36}	3.888	0.34−0.67	2	SWF
54140 2000 HB_{37}	15.352	0.18	2	DWF
54145 2000 HN_{40}	21.8687	0.18	2	DWF
54146 2000 HY_{40}	3.67037	0.15	2	DWF
54155 2000 HR_{46}	S 14.56830		2 p N	LCI-W
54157 2000 HG_{48}	13.573		2−	SWF
54158 2000 HY_{48}		0.85		SWF
54169 2000 HF_{57}	17.834		2−	SWF
54172 2000 HF_{58}	50.0463	0.22	2	DWF
54183 2000 HN_{66}	19.4252	0.20	2	DWF
54189 2000 HQ_{75}	4.21	0.56	2	SWF
54202 2000 HQ_{80}	19.2963	0.12	2	DWF
54207 2000 HY_{83}	38.3466	0.23	2	DWF
54212 2000 HJ_{89}	19.05	0.33	2	SWF
54222 2000 JF	5.487	0.34−0.36	2 p	SWF
54229 2000 JA_{13}	724.988	0.65	2	DWF
54234 2000 JD_{16}	2.664	0.13−0.39	3−	
54236 2000 JH_{17}	248.293	0.38	2	DWF
54238*2000 JD_{19}	23.421	0.24−0.28	2	SWF
54253 2000 JP_{27}	17.5		N	
54271 2000 JD_{39}	15.3915	0.82	2	DWF
54272 2000 JT_{40}	16.27	0.61	2	SWF
54291*2000 JD_{57}	4.069	0.40−0.53	2	SWF
54295 2000 JO_{59}	3.917	0.24	2	SWF
54298 2000 JE_{62}	S 58.539		2 p N	LCI-W
54302 2000 JA_{66}	215.783	0.39	2	DWF
54305 2000 JB_{69}	4.33593	0.20	2	DWF
54317 2000 JD_{76}	12.4298	0.13	2	DWF
54322 2000 JZ_{83}	308.696	0.24	2	DWF
54349 2000 KX_{29}	3.58	0.63	2	SWF
54355*2000 KJ_{33}	6.9462	0.26−0.28	3−	
54362 Restitutum	5.05848	0.28	2	DWF
54376 2000 KV_{56}	4.178	0.58−0.71	2	SWF
54391 2000 KO_{67}	S 8.22493		2 p N	LCI-W
54393 2000 KX_{72}	64.3332	0.28	2	DWF
54397 2000 KC_{80}	7.354	0.46−0.55	2	SWF
54401 2000 LM	19.03	0.34	2	
54406 2000 LR_4	6.49316	0.41	2	DWF
54410 2000 LG_9	8.211	0.66	2	SWF
54412 2000 LU_{10}	12.5044	0.51	2	DWF
54413 2000 LL_{11}	8.32521	0.18	2	DWF
54415 2000 LR_{13}	25.872	0.12	2	DWF
54427 2000 LG_{27}	3.858	0.33−0.37	2	SWF
54432 2000 LG_{31}	7.11	1.49	2 p	SWF
54439 Topeka	7.38	0.38	2−	SWF
54443 2000 MT_5	2.7995	0.19	2	DWF
54445 2000 MW_5	5.288	0.63−0.64	2 p	SWF
54452 2000 NX_{13}	203.697	0.52	2	DWF
54453*2000 NL_{15}	5.855	0.40−0.75	2 p	SWF
54457 2000 NC_{24}	5.2325	0.09	2	DWF
54460 2000 NU_{28}	6.728	0.51	2	SWF
54469 2000 OM_8	4.743	0.30	2+	
54478 2000 OG_{23}	5.41734	0.26	2	DWF
54485 2000 OR_{27}	1.34553	0.14	2	DWF
54492 2000 OB_{36}	221.417	0.61	2	DWF
54496 2000 OT_{40}	72.3131	0.20	2	DWF
54498 2000 OK_{41}	15.0991	0.35	2	DWF
54501 2000 OB_{52}	6.0	0.20	2−	
54502 2000 OX_{52}	376.476	0.30	2	DWF
54503 2000 OV_{53}	S 8.45185		2 p N	LCI-W
54508 2000 PD_4	16.6734	0.41	2	DWF
54509 YORP	0.2029	0.77−0.89	3 p N	
54512 2000 PO_{11}	4.84238	0.53	2	DWF
54515 2000 PH_{19}	4.12707	0.34	2	DWF
54533 2000 QM_{38}	7.64	0.35	1+ DA	SWF
54535 2000 QJ_{39}	22.3753	0.68	2	DWF
54537 2000 QD_{49}	2.782	0.23−0.24	2	SWF
54548 2000 QO_{76}	8.10542	0.64	2	DWF
54554 2000 QS_{105}	6.51898	0.76	2	DWF
54560 2000 QM_{132}	5.502	0.17	2	SWF
54563 Kinokonasu	8.35655	0.38	2	DWF
54564 2000 QZ_{148}	4.11205	0.28	2	DWF
54575 2000 QY_{157}	187.84	0.37	2	DWF
54576 2000 QE_{159}	15.7483	0.39	2	DWF
54579*2000 QA_{165}	4.76	0.20−0.30	2	SWF
54584 2000 QC_{181}	2.92	0.08	3−	SWF
54586 2000 QV_{188}	26.8122	0.16	2	DWF
54587 2000 QM_{189}	15.776	0.45	2	SWF
54591 2000 QC_{202}	2.73	0.12	2+	
54592 2000 QA_{216}	10.98	0.29	2	SWF
54598 Bienor	9.14	0.08−0.75	3 p	
54600 2000 RU_8	86.3111	0.35	2	DWF
54606*2000 RA_{28}	5.07471	0.46	2 p	DWF
54616 2000 RZ_{97}	5.014	0.27	2	SWF
54630 2000 SM_{112}		0.91	I	
54637 2000 SL_{141}	153.053	0.44	2	DWF
54652 2000 SZ_{344}	5.26	0.07	2	
54656 2000 SX_{362}	11.937	0.29	2	
54660 2000 UJ_1	5.43	1.15	3−	
54663 2000 UT_{82}	113.891	0.44	2	DWF
54664 2000 UH_{107}	24.8768	0.21	2	DWF
54671 2000 WW_{102}	5.533	0.66	2	SWF
54672 2000 WO_{180}	16.712	0.25	2	SWF
54674 2000 XN_4	S 20.2529		2 p N	LCI-W
54681 2001 AE_{49}	82.1482	0.33	2	DWF
54685 2001 CT_{33}	21.157	0.10	1	SWF
54686*2001 DU_8	9.958	0.73−0.90	3	
54687 2001 DC_{15}	5.05584	0.19	2	DWF
54696 2001 FO_{69}	36.8398	0.53	2	DWF
54697 2001 FA_{70}	3.05204	0.05−0.09	3 B?	
54704 2001 FC_{172}	2.91	0.39	2−	SWF
54705 2001 GW_3	9.966	0.25	2	SWF
54707 2001 HL_6	37.1201	0.22	2	DWF
54717 2001 HQ_{60}	8.977	0.53	2	SWF
54723 2001 KW_1	12.536	0.31	2	SWF
54727*2001 KO_{10}	10.278	0.40−0.48	2	SWF
54732 2001 KH_{19}	15.8937	0.22	2	DWF
54735 2001 KW_{24}	5.36	0.15	2	SWF
54737 2001 KM_{27}	7.342	0.71	2	SWF
54740 2001 KN_{31}	25.5834	0.33	2	DWF
54745 2001 KS_{38}	16.6618	0.19	2	DWF
54755 2001 KZ_{56}	124.702	0.42	2	DWF
54756 2001 KJ_{58}	9.08764	0.23	2	DWF
54784 2001 MW_3	2.92629	0.10	2	DWF
54786 2001 MJ_4	9.6927	0.12	2	DWF
54787 2001 MO_5	4.78021	0.28	2	DWF
54789*2001 MZ_7	37.57	0.85−1.4	3 T+	
54790 2001 MT_8	82.8475	0.29	2	DWF
54794 2001 MN_{10}	41.7842	0.38	2	DWF
54800 2001 MC_{15}	83.291	0.61	2	SWF
54806 2001 MX_{22}	5.597	0.43	2	SWF
54808 2001 ME_{24}	S 10.62366		2 p N	LCI-W
54809 2001 MN_{24}	S 10.10544		2 p N	LCI-W
54817 2001 NB	164.798	0.66	2	DWF
54818 2001 NR	2.074	0.42	2	SWF
54827 Kurpfalz	5.8764	0.25−0.54	3 p	
54843 2001 OX_2	11.175	0.31	2	SWF

Planet	Period	Variation	Note	Survey
54847 2001 OM_5	4.92849	0.62	2	DWF
54850 2001 OZ_{11}	S 4.222157		2 p N	LCI-W
54853 2001 OQ_{19}			HN	DWF
54872 2001 OW_{46}	40.374	0.31	2	SWF
54879 2001 OO_{54}	5.329	0.10	1	SWF
54882 2001 OK_{57}	53.6613	0.32	2	DWF
54893 2001 OR_{69}	3.8829	0.36	2	DWF
54896 2001 OP_{70}	5.633	0.5	2	
54906 2001 OT_{80}	9.930	0.10	1	SWF
54908 2001 OY_{80}	5.74861	0.84	2	DWF
54911 2001 OM_{83}	23.6297	0.39	2	DWF
54913 2001 OY_{87}	489.633	0.53	2	DWF
54945 2001 PF_2	206.576	0.40	2	DWF
54959 2001 PS_8	4.684	0.84	2	SWF
54964 2001 PF_{27}	32.5042	0.30	2 1	DWF
54968 2001 PY_{31}	4.92335	0.16	2	DWF
54970 2001 PE_{38}	19.9578	0.21	2	DWF
54972 2001 PY_{42}	6.61412	0.37	2	DWF
54979 2001 PP_{56}	3.75	0.15	2	SWF
54984 2001 QR	13.52	0.45	2	SWF
55002 2001 QF_{19}	4.56	0.20	1+	SWF
55004 2001 QT_{22}	3.81	0.41−0.43	3−	SWF
55006 2001 QZ_{24}	49.8715	0.29	2	DWF
55014 2001 QC_{31}	3.3330	0.46−0.53	2	
55015 2001 QQ_{31}	13.7582	0.08	2	DWF
55025 2001 QF_{40}	15.24	0.53	2	SWF
55031 2001 QJ_{47}	4.105		2−	SWF
55037 2001 QT_{51}	11.9286	0.23	2	DWF
55043 2001 QL_{59}	2.619	0.10	2	
55045 2001 QH_{62}	3.143	0.60	2	SWF
55049 2001 QJ_{67}	7.96882	0.10	2	DWF
55063 2001 QS_{78}	3.24	0.48	2+	SWF
55068 2001 QX_{83}	20.6884	0.27	2	DWF
55071 2001 QE_{86}	3.11024	0.24	2	DWF
55073 2001 QY_{92}	3.627	0.35	2	SWF
55075 2001 QP_{96}	18.435		2−	SWF
55078*2001 QB_{101}	4.287	0.69−0.70	2	SWF
55097 2001 QT_{132}	4.370	0.44−0.46	2	SWF
55098 2001 QS_{133}	5.71996	0.59	2	DWF
55105 2001 QN_{139}	19.1374	0.12	2	DWF
55125 2001 QD_{173}	5.0	0.7	2 N	DWF
55128 2001 QH_{177}	3.00	0.18	2	SWF
55132 2001 QB_{182}	16.1388	0.49	2	DWF
55160 2001 QT_{236}	>0.92	>0.35		SWF
55166 2001 QV_{243}	6.67	0.27	2−	SWF
55168 2001 QK_{250}	3.25172	0.20	2	DWF
55171 2001 QO_{256}	47.0419	0.26	2	DWF
55172 2001 QY_{257}	3.01919	0.30	2	DWF
55174 2001 QW_{258}	>1.15	>0.36		SWF
55176 2001 QD_{262}	46.885	0.22	2	SWF
55200 2001 RO_{19}	S 18.3910		2 p N	LCI-W
55213 2001 RC_{49}	12.4074	0.42	2	DWF
55235 2001 RD_{80}	3.62911	0.21	2	DWF
55244 2001 RA_{89}	6.72	0.18	2	SWF
55257 2001 RQ_{120}			HN	DWF
55265 2001 RF_{130}	24.2105	0.18	2	DWF
55273 2001 SY	8.903	0.58	2	SWF
55280 2001 SC_{20}	3.66395	0.21	2	DWF
55293 2001 SY_{39}	4.62	0.16	2	SWF
55297 2001 SO_{44}	17.5071	0.20	2	DWF
55300 2001 SL_{45}	522.95	0.30	2	DWF
55312 2001 SK_{60}	6.578	0.65	2	SWF
55313 2001 SS_{63}	8.35	0.70	2	SWF
55324 2001 SH_{106}	11.130	0.46−0.49	2	SWF
55327 2001 SD_{109}	6.587	0.35	2	SWF
55332 2001 SR_{117}	169.463	0.29	2	DWF
55340 2001 ST_{125}	8.65	0.16	2	SWF
55346 2001 SS_{139}			HN	DWF
55349 2001 SF_{147}	66.3981	0.21	2	DWF
55356 2001 SY_{157}	72.9251	0.35	2	DWF
55381 Lautakwah	16.9704	0.33	2	DWF
55384 Muiyimfong	2.57	0.19	2	SWF
55387 2001 SD_{272}	3.05	0.18	2	SWF
55388 2001 SN_{276}	22.9437	0.16	2	DWF
55395 2001 SY_{285}	14.014	0.09	2	DWF
55396 2001 SZ_{287}	5.67381	0.23	2	DWF
55413 2001 TA_9	14.2492	0.38	2	DWF
55423 2001 TT_{33}	37.5	0.15	1	SWF
55424 2001 TQ_{34}	17.234	0.43	2	SWF
55428 Cappellaro	5.47546	0.30	2	DWF
55430 2001 TY_{52}	3.0244	0.18	2	SWF
55438 2001 TJ_{78}	20.344		2−	SWF
55444 2001 TC_{96}	>12.0	>0.25	2−	SWF
55446 2001 TZ_{108}	7.53653	0.29	2	DWF
55451 2001 TM_{123}	4.140	0.36	2	SWF
55455 2001 TR_{131}	13.250	0.38	2	SWF
55459 2001 TW_{139}	11.308	0.60	2	SWF
55470 2001 TS_{226}	142.086	0.66	2	DWF
55472 2001 TJ_{227}	11.1274	0.11	2	DWF
55474 2001 TY_{229}		0.93	I	
55476 2001 TS_{239}	7.98228	0.31	2	DWF
55478 2001 UH_7	5.84726	0.16	2	DWF
55481 2001 UN_{21}	3.51203	0.30	2	DWF
55493 2001 UX_{48}	4.46217	0.23	2	DWF
55495 2001 UY_{53}	139.433	0.27	2	DWF
55497 2001 UA_{83}	3.21	0.37	1+	SWF
55503 2001 UC_{100}	7.665	0.29	2	SWF
55514 2001 VJ_6	7.1	0.40	2+	
55523 2001 VB_{51}	46.	0.2	1	SWF
55532 2001 WG_2	46.08	0.55	2 T	
55535 2001 WD_{27}	543.949	0.41	2	DWF
55543 Nemeghaire	2.86191	0.24	2	DWF
55545 2001 XY_{34}	2.63	0.24	2	SWF
55557 2001 YH_{53}	118.89	0.16	2	DWF
55565 2002 AW_{197}	8.86	0.08	2− 1A	
55567 2002 CS_6	6.646	0.48	2	SWF
55576 Amycus	9.76	0.16	2− 1	
55578 2002 GK_{105}	14.936	0.37	2	SWF
55592 2002 PY_{128}	5.617	0.72	3−	
55601 2002 RC_{110}	14.54	0.51	1 DA	SWF
55606 2002 RN_{154}	7.01	0.49	2+	SWF
55622 2002 TY_{143}	3.374	0.84	2	SWF
55624 2002 TE_{196}	2.971	0.11	2	SWF
55628 2002 TN_{249}	16.429	0.63	2	SWF
55631 2002 TX_{281}	5.309		2−	SWF
55636 2002 TX_{300}	8.12	0.08−0.09	2 A	
55637 2002 UX_{25}	14.382	0.13−0.21	2 ABH	
55638 2002 VE_{95}	6.76	0.05−0.08	1+ 1A	
55652 4048 P–L		0.57		SWF
55658 6061 P–L	63.741	0.43−0.58	2	SWF
55667 6691 P–L	S 58.545		2 p N	LCI-W
55671 9587 P–L	>1.00	>0.09		SWF
55728 1981 EV_{17}	9.623	0.80−0.97	2	SWF
55732 1986 QN_2	9.96475	0.56	2	DWF
55734 1986 WD_6	S 8.24865		2 p N	LCI-W
55735 Magdeburg	15.41	0.14	3−	
55745 1990 SY_7	6.1101	0.46	2	DWF
55760 1992 BL_1	8.0813	0.32	3 p	
55763 1992 DO_7	8.21	0.74	2	SWF
55764*1992 DG_{12}	6.28	0.05	2 A	
55770 1992 OW	2.84561	0.22	2	DWF
55776 1993 FH_{14}	>20.	>0.4	2	SWF
55783 1993 FZ_{43}	>0.87	>0.25		SWF
55786 1993 OE_3	>0.88	>0.18		SWF
55792 1993 SV_3	7.73916	0.26	2	DWF
55793 1993 SS_4	4.756	0.29	2	SWF
55798 1994 ES_5	8.415	0.28	2	SWF
55814 1994 YD	13.0531	0.19	2	DWF
55815 Melindakim	6.117	0.32	2	SWF
55844*Bicak	2.8052	0.07−0.10	3	
55849 1996 TZ_{11}	3.950	0.10	1	SWF
55854 Stoppani	3.067	0.28−0.45	3	
55860 1997 BQ_6	11.85	0.72	2	SWF
55866 1997 PV_4	30.6635	0.41	2	DWF
55878 1997 VX_7	112.653	0.29	2	DWF
55894 1997 YS_3	3.162	0.20	2	SWF
55898 1998 AG_{10}	8.2958	0.40	2	DWF
55901 Xuaoao	2.7278	0.17	2	DWF
55902 1998 CO_2	5.380	0.55	2	SWF
55913*1998 FL_{12}	4.6669	0.08	2+	
55917 1998 FN_{30}	9.41	0.34	2	SWF
55924 1998 FE_{55}	4.81	0.28	2+	SWF
55926 1998 FE_{60}	132.215	0.45	2	DWF
55937 1998 FN_{105}	99.6616	0.53	2	DWF
55946 1998 HP_{24}	S 37.0183		2 p N	LCI-W
55948 1998 HY_{45}	>5.42	>0.12		SWF
55949 1998 HZ_{45}	11.135	0.43−0.50	2	SWF
55965 1998 KN_{14}	8.568	0.25−0.27	2	SWF
55975 1998 QB_{94}	2.99493	0.20	2	DWF
55987 1998 SO_{27}	S 43.6580		2 p N	LCI-W

Planet	Period	Variation	Note	Survey
56005 1998 SK_{169}	7.33	0.78	2	SWF
56022 1998 VL_{23}	4.337	0.36−0.52	2	SWF
56041 Luciendumont	5.6	0.07	1	
56047 1998 XK_{36}	3.932	0.34	2	SWF
56048*1998 XV_{39}	7.03141	0.27	2 p	
56056 1998 XP_{58}	121.071	0.06	1	SWF
56060 1998 XT_{70}	8.71387	0.40	2	DWF
56062 1998 XD_{91}	2.82	0.33	2	SWF
56070 1998 YQ_{5}	4.501	0.20	2	SWF
56071 1998 YF_{6}	13.3602	0.16	2	DWF
56080 1999 AN_{3}	4.75	0.32−0.33	3−	SWF
56082 1999 AK_{9}	>1.10	>0.12		SWF
56086 1999 AA_{21}	2.76957	0.14	2	DWF
56088 Wuheng	17.5167	0.13	2	DWF
56093 1999 BM_{5}	4.83	0.66−0.67	3−	SWF
56111 1999 CO_{2}	16.4523	0.13	2	DWF
56116 1999 CZ_{7}	3.12	0.27	2+	
56117 1999 CC_{9}	22.5778	0.29	2	DWF
56120 1999 CL_{19}	4.527		2−	SWF
56121 1999 CB_{20}	5.9797	0.34	2	DWF
56125 1999 CC_{25}	53.7423	0.24	2	DWF
56131 1999 CY_{48}	S 4.388211		2 p N	LCI-W
56140 1999 CN_{62}	>0.97	>0.09		SWF
56149 1999 CP_{98}	17.3709	0.21	2	DWF
56150 1999 CT_{103}	2.84	0.08	2+	SD
56151 1999 CX_{104}	4.2846	0.07	2	DWF
56152 1999 CK_{106}	3.39024	0.28	2	DWF
56168 1999 FS_{5}	2.2384	0.22	1	
56169 1999 FU_{5}	10.1322	0.11	2	DWF
56170 1999 FK_{6}	>1.15	>0.08		SWF
56171 1999 FR_{6}	37.0116	0.25	2	DWF
56179 1999 FS_{26}	>5.15	>0.14		SWF
56192 1999 FD_{59}	40.7394	0.43	2	DWF
56195 1999 GX_{6}	4.80	0.45	2+	SWF
56199 1999 GG_{11}	>5.25	>0.28		SWF
56200 1999 GU_{16}	11.7201	0.31	2	DWF
56207 1999 GU_{35}	23.459	0.19	2	DWF
56208 1999 GY_{35}	8.664	0.42	2	SWF
56212 1999 GJ_{45}	6.626	0.53−0.55	2	SWF
56213*1999 GW_{50}	2.417	0.20−0.29	3	
56224 1999 JE_{12}	4.98077	0.49	2	DWF
56227 1999 JT_{23}	33.911	0.36	2	SWF
56232*1999 JM_{31}	5.729239	0.49−0.50	2 p	
56238 1999 JA_{46}	4.25	1.01	3	SWF
56243 1999 JZ_{60}	236.897	0.25	2	DWF
56245 1999 JZ_{69}	18.6022	0.14	2	DWF
56248 1999 JQ_{74}	4.87	0.48	2+	SWF
56256 1999 JO_{82}	84.7039	0.26	2	DWF
56258 1999 JH_{83}	11.0882	0.48	2	DWF
56264 1999 JV_{95}	17.3	0.69	2	SWF
56271 1999 JK_{102}	4.2044	0.54	2	DWF
56292 1999 NK_{40}	7.90	0.76	1 DA	SWF
56295 1999 NB_{54}	464.788	0.46	2	DWF
56296 1999 RU_{39}	15.3169	0.24	2	DWF
56299 1999 RT_{47}	5.739	0.45−0.49	2	SWF
56301 1999 RP_{60}	165.958	0.36	2	DWF
56312 1999 RM_{224}	>5.40	>0.07		SWF
56313 1999 SV_{14}	8.684	0.38−0.45	2	SWF
56318 1999 UR_{3}	3.541	0.36	3	
56330 1999 XS_{12}	18.8447	0.15	2	DWF
56331 1999 XD_{33}	5.646	0.90	2	SWF
56335 1999 XO_{111}	3.51016	0.25	2	DWF
56336 1999 XL_{126}	28.3772	0.11	2	DWF
56337 1999 XG_{136}	45.1926	0.58	2	DWF
56348 2000 AH_{69}	31.7336	0.09	2	DWF
56367 2000 EF	98.	0.8	2− AT0	
56370 2000 EV_{7}	6.835		2−	SWF
56372 2000 EX_{19}	62.6133	0.51	2	DWF
56379 2000 EU_{42}	7.311		2	SWF
56390 2000 EH_{91}	6.751		2−	SWF
56394 2000 EB_{126}	9.32	0.57	2+	SWF
56400 2000 EF_{140}	34.0445	0.18	2	DWF
56403 2000 FL	107.552	0.40	2	DWF
56412 2000 FM_{40}	15.6586	0.15	2	DWF
56416 2000 FS_{55}	49.7007	0.19	2	DWF
56424 2000 GG_{5}	5.87741	0.45	2	DWF
56432 2000 GY_{33}	5.85	0.56	2	SWF
56436 2000 GZ_{46}	2.656	0.16	2	
56452 2000 GU_{86}	26.760	0.07	1	SWF
56460 2000 GE_{96}	S 5.22140		2 p N	LCI-W
56470 2000 GH_{106}	39.1055	0.25	2	DWF
56471 2000 GX_{106}	3.55014	0.16	2	DWF
56473 2000 GY_{108}	7.01	0.52	2	
56481 2000 GW_{114}	48.8969	0.25	2	DWF
56482 2000 GY_{115}	51.5	0.75	2	
56483 2000 GY_{121}	7.01293	0.27	2	DWF
56487 2000 GR_{126}	19.9382	0.14	2	DWF
56501 2000 GG_{153}	19.5	0.85	2−	SWF
56502 2000 GY_{158}	7.68	0.28	2	SWF
56509 2000 HB_{7}	8.28	0.57	2	SWF
56515 2000 HD_{20}		>0.05		SWF
56523 2000 HX_{25}			HN	DWF
56530 2000 HK_{45}	48.174		2−	SWF
56548 2000 HZ_{74}	6.35	0.32−0.58	2+	SWF
56558 2000 HK_{100}	3.537	0.19−0.24	2	SWF
56565*2000 JY_{12}	8.730	0.40−0.51	2	SWF
56566 2000 JE_{14}	>0.82	>0.10		SWF
56570 2000 JA_{21}	3.220	0.18−0.22	2	SWF
56579 2000 JB_{27}	2.85198	0.08	2	DWF
56585 2000 JZ_{29}	5.67	0.80−0.81	3−	SWF
56586 2000 JK_{31}			HN	DWF
56589 2000 JH_{33}	S 4.450598		2 p N	LCI-W
56590 2000 JY_{35}	6.204	0.53	2	SWF
56591 2000 JP_{37}		>0.25		
56600 2000 JK_{50}	15.2118	0.45	2	DWF
56611 2000 JH_{61}	2.93072	0.27	2	DWF
56613 2000 JX_{62}	12.721	0.32	2	SWF
56615 2000 JL_{69}	36.3427	0.23	2	DWF
56616 2000 JM_{70}	11.3012	0.21	2	DWF
56629 2000 KV	34.29	0.57	2	SWF
56630 2000 KP_{2}	15.7507	0.75	2	DWF
56633 2000 KY_{8}	2.39	0.32	2	SWF
56647 2000 KG_{34}	7.418	0.23−0.32	2	SWF
56652 2000 KJ_{48}	S 45.9758		2 p N	LCI-W
56654 2000 KU_{50}	27.6659	0.35	2	DWF
56662 2000 KY_{56}	3.66	0.21	1+	SWF
56682 2000 LA_{9}	2.54	0.07	2−	SWF
56686 2000 LB_{12}	12.6172	0.20	2	DWF
56687 2000 LE_{12}	52.7197	0.23	2	DWF
56688 2000 LM_{12}	14.7702	0.20	2	DWF
56692 2000 LK_{20}	12.9005	0.09	2	DWF
56693 2000 LY_{20}	59.1401	0.51	2	DWF
56700*2000 LL_{28}	5.1114	0.14	2 A	
56702 2000 LQ_{28}		1.15		SWF
56707 2000 LY_{36}	7.50894	0.19	2	DWF
56711 2000 MO_{2}	17.0394	0.35	2	DWF
56713 2000 MC_{3}	18.927	0.32	2	SWF
56716 2000 MZ_{3}	3.054	0.27	2	SWF
56717 2000 MS_{4}	70.7714	0.61	2	DWF
56722 2000 NH_{12}	85.3783	0.43	2	DWF
56744 2000 NN_{26}	6.45085	0.38	2	DWF
56753 2000 OG_{6}	95.9351	0.59	2	DWF
56762 2000 OB_{23}	12.330	0.69	2	SWF
56769 2000 OE_{28}	19.0544	0.21	2	DWF
56777 2000 OC_{39}	6.692	0.28	3−	
56780 2000 OJ_{43}	127.522	0.45	2	DWF
56782 2000 OC_{46}	6.392	0.59	2	SWF
56784 2000 OH_{53}	19.8919	0.30	2	DWF
56794 2000 OO_{60}	5.00	0.50−0.55	2	SWF
56800 2000 PO_{4}	33.3414	0.14	2	DWF
56801 2000 PF_{9}	11.6267	0.27	2	DWF
56805 2000 PR_{12}	100.422	0.35	2	DWF
56811 2000 PG_{19}	18.1439	0.16	2	DWF
56813 2000 PN_{22}	5.08468	0.40	2	DWF
56820 2000 QK_{8}	4.49438	0.21	2	DWF
56834 2000 QO_{35}	6.916	0.40	2	SWF
56847 2000 QB_{59}	77.3338	0.30	2	DWF
56863 2000 QZ_{90}	25.0899	0.26	2	DWF
56874 2000 QX_{110}	11.8574	0.49	2	DWF
56875 2000 QE_{111}	5.33	0.48	2	SWF
56879 2000 QW_{118}	3.2197	0.33	2	DWF
56890 2000 QM_{137}	15.4386	0.22	2	DWF
56922 2000 RE_{15}	143.701	0.67	2	DWF
56924 2000 RJ_{20}	53.4325	0.33	2	DWF
56930 2000 RY_{28}	20.9041	0.40	2	DWF
56943 2000 RF_{76}	6.81	0.71	2	SWF
56950*2000 SA_{2}	S 4.89149		2 p N	LCI-W
56955 2000 ST_{14}	2.81	0.35	2	SWF
56958 2000 ST_{28}	6.526	0.32−0.33	2	SWF
56967 2000 SG_{91}	179.206	0.31	2	DWF

Planet	Period	Variation	Note	Survey
56968 2000 SA_{92}	11.185	0.31	2	DWF
56972 2000 SP_{140}	4.77128	0.21	2	DWF
56975 2000 SP_{161}	70.4647	0.25	2	DWF
56978 2000 SR_{173}	64.7345	0.19	2	DWF
56982 2000 SE_{189}	43.2	0.47	2	
56987 2000 SR_{211}	84.3476	0.35	2	DWF
56991 2000 SB_{282}	96.4456	0.31	2	DWF
56998 2000 SA_{310}	159.347	0.84	2	DWF
57010*2000 TP_{1}	10.0281	0.44	2	DWF
57021 2000 TG_{59}	231.945	0.23	2	DWF
57035 2000 WG_{54}	4.34	0.26	2	SWF
57041 2001 EN_{12}	8.562	0.47−0.52	2+ H	DWF
57046 2001 KW_{55}	S 3.418974		2 p N	LCI-W
57048 2001 LU_{6}	679.991	0.54	2	DWF
57052 2001 MS_{6}	2.86769	0.08	2	DWF
57062 2001 NC_{1}	3.582	0.35	2	SWF
57083 2001 OM_{31}	3.44805	0.40−0.49	3	
57086 2001 OJ_{39}	10.812	0.23	2	DWF
57087 2001 OB_{41}	3.62	0.47	2	
57092 2001 OG_{45}	5.86872	0.16	2	DWF
57108 2001 OS_{74}	8.683	0.10	1	SWF
57110 2001 OV_{79}	15.067	0.16	2	DWF
57112 2001 OC_{81}	3.128	0.37	2	SWF
57136 2001 PE_{23}	5.64	0.16	2+	
57137 2001 PH_{23}	2.690	0.25	2	SWF
57149 2001 PF_{59}	245.054	0.45	2	DWF
57150 2001 QA_{1}	>1.35	>0.16		SWF
57156 2001 QM_{10}			HN	DWF
57164 2001 QO_{17}	3.68036	0.27	2	DWF
57169 2001 QN_{19}	3.434	0.39	2	SWF
57171 2001 QT_{20}	12.914	0.10	1	
57175 2001 QD_{24}	8.401	0.51	2	SWF
57183 2001 QG_{29}	10.83	0.56	2	SWF
57189 2001 QX_{30}	3.219	0.20	2	SWF
57190 2001 QM_{31}	4.10544	0.44	2	DWF
57194 2001 QP_{34}	6.880	0.45	2	SWF
57202 2001 QJ_{53}	2.4449	0.09−0.11	3 B?	
57211 2001 QL_{60}	31.688		2−	SWF
57212 2001 QM_{60}	17.3	0.21	2	SWF
57214 2001 QC_{63}	35.312	0.65	2	DWF
57219 2001 QY_{71}	2.885	0.28−0.57	3	
57232 2001 QD_{78}	8.807	0.27	2	SWF
57233 2001 QU_{79}	7.28323	0.50	2	DWF
57248 2001 QT_{91}	10.416	0.33	2	SWF
57249 2001 QW_{93}	7.39973	0.29	2	DWF
57251 2001 QO_{96}	11.313	0.30	2	SWF
57252 2001 QS_{96}	11.427	0.30	1 NA	
57253 2001 QT_{99}	25.0235	0.20	2	DWF
57262 2001 QS_{106}	6.435	0.37−0.40	2	SWF
57271 2001 QC_{137}	103.455	0.29	2	DWF
57276*2001 QP_{139}	103.967	0.16	2	DWF
57277 2001 QV_{139}	3.120	0.30	2	SWF
57282 2001 QX_{155}	39.921	0.10	1	SWF
57291 2001 QQ_{172}	3.91965	0.17	2	DWF
57292 2001 QV_{174}	3.4064	0.09	2+	
57296 2001 QE_{186}	5.77213	0.71	2	DWF
57297 2001 QB_{188}	153.182	0.15	2	DWF
57303*2001 QL_{198}	3.540	0.30−0.56	2	SWF
57304 2001 QV_{198}	7.04639	0.50	2 p	DWF
57322 2001 QX_{239}	8.98668	0.32	2	DWF
57332 2001 QL_{246}	5.203	0.45	2	SWF
57348 2001 QW_{281}	6.976	0.28	2	SWF
57356 2001 QG_{293}	63.9712	0.80	2	DWF
57357 2001 QZ_{296}	16.0691	0.40	2	DWF
57359 Robcrawford	S 5.73448		2 p N	LCI-W
57364 2001 RU_{27}	11.084	0.25−0.33	2	SWF
57368*2001 RP_{44}	10.11	0.16−0.17	2	SWF
57376 2001 RK_{64}	6.14765	0.57	2	DWF
57382 2001 RS_{68}	3.51855	0.27	2	DWF
57391 2001 RB_{77}	170.338	0.56	2	DWF
57392 2001 RW_{77}	3.16274	0.40	2	DWF
57394 2001 RD_{84}	6.74	0.60−0.63	2+ p	
57397 2001 RU_{86}	13.638	0.64	2	SWF
57403 2001 RG_{95}	85.9583	0.94	2	DWF
57429 2001 SX_{33}	S 13.87758		2 p N	LCI-W
57432 2001 SM_{40}	2.68783	0.23	2	DWF
57434 2001 SH_{46}	51.981		2−	SWF
57450 2001 SU_{69}	>0.97	>0.15		SWF
57451 2001 SV_{69}	13.1807	0.30	2	DWF
57453 2001 SL_{70}	148.749	0.08	1	SWF
57454 2001 SZ_{70}	63.435	0.92	2	SWF
57458 2001 SX_{73}	S 5.06370		2 p N	LCI-W
57465 2001 SH_{108}	41.555	0.43	2	SWF
57478 2001 SW_{151}	5.887	0.58	3−	
57490 2001 ST_{175}	8.21	0.62−0.74	2	SWF
57515 2001 SX_{281}	6.60306	0.18	2	DWF
57523 2001 ST_{290}	4.21019	0.43	2	DWF
57537 2001 TQ_{13}	3.95	0.39	2	SWF
57539 2001 TU_{17}	2.92708	0.19	2	DWF
57540 2001 TE_{18}	S 4.493437		2 p N	LCI-W
57560 2001 TB_{47}	9.913	0.60	2+	SWF
57563 2001 TT_{49}	1.62054	0.15	2	DWF
57565 2001 TB_{52}	31.8651	0.20	2	DWF
57575 2001 TT_{66}	4.641	0.47	2 H	DWF
57595 2001 TV_{78}	4.66151	0.11	2	DWF
57623 2001 TB_{153}	22.9878	0.62	2	DWF
57628 2001 TR_{168}	7.24085	0.26	2	DWF
57636 2001 TT_{187}	19.703	0.34	2	DWF
57637 2001 TH_{189}	3.77655	0.36	2	DWF
57646 2001 TO_{202}	19.2037	0.21	2	DWF
57647 2001 TL_{203}	20.1505	0.20	2	DWF
57648 2001 TM_{203}	8.359	0.27	2 H	DWF
57652 2001 TR_{224}	12.1397	0.53	2	DWF
57664 2001 UY_{17}	4.14916	0.37	2	DWF
57669 2001 UO_{29}	11.8623	0.30	2	DWF
57670*2001 UB_{30}	6.32	0.14−0.22	2	SWF
57674 2001 UD_{35}	5.63622	0.43	2	DWF
57679 2001 UD_{46}	>1.0	>0.08		SWF
57689 2001 UM_{73}	19.661	0.36−0.43	2	SWF
57708 2001 UV_{119}	11.85	0.37−0.40	2	SWF
57715 2001 UR_{125}	6.296	0.60	2	SWF
57716 2001 UY_{126}	9.22321	0.25	2	DWF
57718 2001 UJ_{127}	11.5675	0.24	2	DWF
57721 2001 UK_{139}	5.00	0.20	2	SWF
57725 2001 UN_{149}	>3.72	>0.18		SWF
57729 2001 UB_{151}	32.2654	0.30	2	DWF
57731 2001 UN_{154}	3.72	0.26	1+	SWF
57735 2001 UQ_{159}	16.62	0.77	2+	
57738 2001 UZ_{160}	20.51	0.57−0.65	3−	
57739 2001 UF_{162}	5.9	0.52	2−	
57743*2001 UB_{168}	13.682	0.60−0.74	2	DWF
57749 2001 UD_{220}	8.65011	0.37	2	DWF
57751 2001 VB_{1}	10.9886	0.18	2	DWF
57769 2001 VH_{43}	14.5835	0.10	2	DWF
57784*2001 VW_{85}	74.2466	0.38	2	DWF
57787 2001 VX_{87}	96.1739	0.37	2	DWF
57790 2001 VO_{92}	6.17024	0.29	2	DWF
57792 2001 VQ_{94}	2.72	0.22	2	SWF
57796 2001 VO_{99}	14.7566	0.38	2	DWF
57802 2001 VO_{108}	3.571	0.20	1	SWF
57803 2001 VW_{108}	33.458	0.44	2	SWF
57815 2001 WV_{25}	6.00	0.30	2−	SWF
57821 2001 WD_{44}	3.38634	0.17	2	DWF
57822 2001 WV_{45}	8.07	0.14	2	SWF
57843 2001 XO_{59}	S 8.18273		2 p N	LCI-W
57851 2001 XJ_{97}	>5.40	>0.11		SWF
57852 2001 XM_{97}	8.28552	0.48	2	DWF
57860 2001 XS_{214}	12.923	0.59	2 p	SWF
57868 Pupin	108.10	0.93	3− T0	
57896 2002 CN_{201}	5.572	0.50	2	SWF
57897 2002 CV_{213}	14.528	0.25	2	SWF
57915 2002 EB_{110}	7.65	0.36	2+	
57917 2002 EK_{111}	1.5134	0.25	2	DWF
57928 2002 GD_{77}	38.774	0.34	2	SWF
57932 2002 GA_{161}	8.07	0.98	2	SWF
57943 2002 JO_{41}	12.3714	0.33	2	DWF
57965 2002 LM_{32}	8.86099	0.64	2	DWF
57971 2002 NJ_{41}	70.117	0.08	1	SWF
57994*2002 RR_{86}	6.93848	0.18	2 p	DWF
58012 2002 TM_{290}	10.348	0.17	2	SWF
58017 2002 UC_{34}	17.1019	0.24	2	DWF
58020 2002 VE_{17}	24.3357	0.31	2	DWF
58024 2002 VC_{48}	30.7537	0.24	2	DWF
58029 2002 VH_{63}	111.916	0.14	2	DWF
58049 2002 XY_{86}	5.376	0.39−0.51	2	SWF
58055 2003 AH_{6}	2.87	0.15	2	SWF
58060 2751 *P–L*	12.016		2−	SWF
58066 7579 *P–L*	>4.37	>0.17		SWF
58081 4817 *T–2*	3.96134	0.19	2	DWF
58085 1199 *T–3*	110.045	0.80	2	SWF

Planet	Period	Variation	Note	Survey
58097 Alimov	78.173	0.26	2	SWF
58102 1979 MW_4	16.0338	0.29	2	DWF
58114 1981 EL_6	6.93405	0.24	2	DWF
58118 1981 EX_7	5.665	0.06	1	SWF
58119 1981 EJ_9		0.14		
58120 1981 EU_{11}	44.111	0.55	2	SWF
58136 1981 EV_{42}	44.031	0.12	2	DWF
58145 1986 PT_1	79.5429	0.38	2	DWF
58149 1987 SX_{11}	5.35378	0.55	2	DWF
58155 1988 VD	7.093	0.36	2+ T?	
58163 Minnesang	6.13	0.71	2+	SWF
58169 1990 SD_3	7.86019	0.16	2	DWF
58171 1990 SC_5			HN	DWF
58173 1990 SS_{10}	24.4221	0.21	2	DWF
58186 Langkavel	2.61	0.22	2	SWF
58191 Dolomiten	47.830		2−	SWF
58192 1992 AQ	10.124	0.59	2	SWF
58200 1992 EV_6	10.0467	0.06	2	DWF
58202 1992 EO_7	>0.92	>0.23		SWF
58205 1992 EX_{12}	3.30	0.43	2	SWF
58207 1992 EF_{14}	7.1	0.28	1 N	
58212 1992 OQ_5	13.0595	0.57	2	DWF
58222 1993 FA_{18}	6.929		2	SWF
58239 1993 FS_{77}	12.00	0.38	1+	SWF
58266 1993 TN_{15}	>0.97	>0.11		SWF
58273 1993 TA_{31}	64.0386	0.26	2	DWF
58283 1993 UO_7	8.55883	0.43	2	DWF
58285 1993 YN	51.92	0.26−0.43	3−	
58288 1994 CF_{14}	3.604	0.52	2	SWF
58289 1994 CC_{16}	2.72	0.18	2	SWF
58290 1994 CH_{17}	4.47477	0.26	2	DWF
58299 1994 PH_3	46.6404	0.13	2	DWF
58319 1994 PZ_{37}	S 73.045		2 p N	LCI-W
58337 1994 WV	2.6	0.15	1	
58357 1995 HT_1	34.0493	0.16	2	DWF
58359*1995 KP_4	4.796	0.40−0.54	2	SWF
58360 1995 LM	S 31.0533		2 p N	LCI-W
58388 1995 TK	>5.40	>0.38		SWF
58394 1995 UX_{20}	31.7477	0.36	2	DWF
58408 1995 XU	7.383	1.10	2	SWF
58417 Belzoni	5.924	0.43	2	SWF
58433 1996 FN_{18}	6.187	0.77	2	SWF
58449 1996 HC_{26}	5.05696	0.60	2	DWF
58477 1996 RB_{26}	5.1371	0.85	3	SWF
58480 1996 RJ_{33}	32.967	0.13−0.14	2 H	DWF
58494 1996 UF_1	7.04424	0.46	2	DWF
58504 1996 VZ_3	13.2826	0.43	2	DWF
58534*Logos	>1.1	>0.5	BN	
58535 Pattillo	3.23	0.20	2	SWF
58540 1997 ET_{17}	4.509	0.41	2 p	SWF
58541 1997 EA_{18}	7.69	0.65−0.72	3−	SWF
58544 1997 EK_{42}	9.996	0.34−0.35	2	SWF
58553 1997 GK_{43}	49.347	0.33	2	DWF
58558 1997 LE_4	36.6381	0.45	2	DWF
58562 1997 NG_1	>0.93	>0.07		SWF
58563 1997 NE_5	21.2994	0.09	2	DWF
58572 Romanella	6.024		2	SWF
58584 1997 SE_{11}	2.98063	0.27	2	DWF
58587 1997 SK_{23}	5.43	0.25	2	SWF
58589 1997 SF_{25}	47.274		2−	SWF
58595 Joepollock	2.63	0.34	2	SWF
58605 Liutungsheng	4.78	0.80	2+	
58609 1997 UZ_1	27.3985	0.19	2	DWF
58610 1997 UN_3	11.1588	0.76	2	DWF
58611 1997 UC_4	21.4542	0.20	2	DWF
58613 1997 UN_7	45.714	0.22	2	SWF
58623 1997 VZ_1	10.194	0.64	2	SWF
58625 1997 VE_2	124.572	0.61	2	DWF
58627 Rieko	2.35177	0.08	2	DWF
58631 1997 WE_2	S 9.98306		2 p N	LCI-W
58651 1997 WL_{42}	938.158	0.47	2	SWF
58653 1997 WV_{45}	4.233	0.83	2	SWF
58658 1997 WY_{57}	4.95	0.21−0.33	2	SWF
58661 1997 XU	13.5353	0.32	2	DWF
58668 1997 YJ_3	2.56924	0.07	2	DWF
58673 1997 YA_9	9.731	0.52	1 NA	
58677 1997 YJ_{17}	9.631	0.63	2 A	SWF
58686 1998 BB_1	3.58	0.24	2	SWF
58688 1998 BJ_4	20.789	0.10	1	SWF
58693 1998 BG_{25}	3.03786	0.28	2	DWF
58699 1998 BK_{42}	7.366	0.18	2	SWF
58703 1998 BH_{44}	5.25	0.14	2	SWF
58704 1998 BA_{46}	87.298	0.48	2	SWF
58715*1998 DK_3	3.499	0.36−0.41	2	SWF
58728 1998 DR_{23}	10.21	0.27	2	SWF
58733 1998 DH_{35}	181.8	0.41	2	DWF
58755 1998 FS_{14}	52.3284	0.23	2	DWF
58756 1998 FR_{15}	39.6825	0.42	2	DWF
58759 1998 FZ_{18}	107.485	0.51	2	DWF
58776 1998 FG_{60}	7.15378	0.29	2	DWF
58784 1998 FJ_{75}	3.00	0.36	2	SWF
58785 1998 FT_{77}	75.7327	0.44	2	DWF
58789 1998 FK_{80}	7.940	0.49	2	SWF
58791 1998 FH_{82}	13.0849	0.25	2	DWF
58798*1998 FU_{100}	31.497	0.69−0.75	2	SWF
58801 1998 FP_{105}	5.61	0.60	2	SWF
58805 1998 FN_{113}	14.0812	0.37	2	DWF
58819 1998 HF_3	5.757	0.94	2	SWF
58852 1998 HE_{84}	3.07	0.18	2	SWF
58854 1998 HV_{87}	4.954	0.63	2 p	SWF
58871 1998 HX_{114}	4.538	0.42−0.46	2	SWF
58878 1998 HK_{125}	5.61036	0.25	2	DWF
58879 1998 HO_{126}	37.8546	0.11	2	DWF
58885 1998 HA_{142}	>2.02	>0.14		SWF
58906 1998 KN_{18}	18.4624	0.53	2	DWF
58914 1998 KE_{41}	2.73218	0.10	2	DWF
58922 1998 KK_{58}	8.35	0.74	2	SWF
58925 1998 LZ_2	4.30123	0.26	2	DWF
58931 Palmys	S 11.33218		2 p N	LCI-W
58933 1998 ON_{10}	6.187	0.42	2	SWF
58934 1998 OK_{13}	5.49092	0.23	2	DWF
58948 1998 QT_{54}	9.574	0.33	2	SWF
58952 1998 QO_{74}	7.514	0.63−0.76	2	SWF
58956 1998 QG_{90}	6.93798	0.26	2	DWF
58989 1998 RN_{80}	30.4721	0.22	2	DWF
58999 1998 SP_{23}	10.785	0.26	2	SWF
59004 1998 SO_{43}	>4.35	>0.18		SWF
59007 1998 SF_{63}	2.228	0.10	1	SWF
59014 1998 SC_{74}	5.524	0.51	2	SWF
59015 1998 SH_{74}	5.22433	0.31	2	DWF
59037 1998 SU_{140}	7.385	0.07	1	SWF
59046 1998 TW_{17}	4.027	0.34	2	SWF
59049 1998 TC_{31}	6.173	0.65−0.69	2+	SWF
59057 1998 UO_{18}	5.398	0.85−0.89	2	SWF
59072 1998 VV_9	S 7.29820		2 p N	LCI-W
59078 1998 VT_{19}	4.274	0.16	2	SWF
59083 1998 VZ_{25}	33.341		2−	SWF
59091 1998 VJ_{42}	7.19	0.22	2	SWF
59098 1998 WN_7	>1.02	>0.28		SWF
59108 1998 WG_{27}	S 8.37022		2 p N	LCI-W
59122 1998 XJ_{15}	>1.78	>0.20		SWF
59129 1998 XC_{27}	9.22463	0.35	2	DWF
59132 1998 XM_{39}	9.52952	0.25	2	DWF
59143 1998 XT_{72}	2.416	0.14−0.15	2	SWF
59150 1998 XV_{90}	S 10.54229		2 p N	LCI-W
59153 1998 XV_{97}	22.2947	0.15	2	DWF
59168 1998 YU_{19}	17.6	0.60	2−	SWF
59172 1999 AE_3	15.461	0.30	2	DWF
59180 1999 AP_{12}	7.747	0.58−0.80	2	SWF
59184*1999 AR_{15}	4.669	0.08	2 A	
59186 1999 AK_{16}	4.68	0.67	2	SWF
59218 1999 BE_{20}	37.1483	0.21	2	DWF
59219 1999 BJ_{23}	24.5996	0.19	2	DWF
59228 1999 CH	2.95758	0.12	2	DWF
59229 1999 CQ	14.04	0.75	2	SWF
59230 1999 CY	S 45.4919		2 p N	LCI-W
59233 1999 CH_1	125.487	0.71	2	DWF
59238 1999 CN_2	2.64	0.14	2	SWF
59249 1999 CZ_{15}	2.862	0.32	2	SWF
59255 1999 CB_{26}	7.341	0.29−0.35	2	SWF
59263 1999 CK_{30}		0.69		SWF
59271 1999 CG_{38}	4.85	0.29	2	SWF
59285 1999 CP_{50}	3.933	0.74	2	SWF
59286 1999 CV_{51}	2.94	0.22	1+	SWF
59291 1999 CJ_{56}	2.8868	0.24−0.26	3−	
59296 1999 CU_{64}	22.532	0.46	2	SWF
59298 1999 CQ_{66}	3.84329	0.23	2	DWF
59306 1999 CN_{79}	10.6353	0.44	2	DWF
59313 1999 CF_{88}	S 10.61225		2 p N	LCI-W
59318 1999 CB_{90}	17.169	0.25	2	DWF

Planet	Period	Variation	Note	Survey
59322 1999 CB_{95}	13.26	0.23	2	SWF
59326 1999 CO_{98}	3.36	0.10	2	SWF
59337 1999 CT_{111}	4.587	0.37	2	SWF
59345 1999 CK_{135}	6.19	0.32	2	SWF
59356 1999 CX_{153}	5.01602	0.16	2	DWF
59363 1999 DP_{7}	4.704	0.37	2	SWF
59394*1999 FZ_{23}	14.47	0.15	2 A	
59399 1999 FK_{30}	13.11	0.19	2	SWF
59408 1999 FL_{40}	7.50	0.20	2	SWF
59429 1999 GK_{8}	8.38	0.76	1 DA	SWF
59431 1999 GG_{13}	26.2153	0.19	2	DWF
59434 1999 GR_{18}	151.691	0.38	2	DWF
59452 1999 GS_{34}	8.441	0.41	2	SWF
59462*1999 GQ_{45}	4.598	0.79−0.96	2	SWF
59467 1999 GQ_{57}	52.3122	0.24	2	DWF
59473 1999 HT_{1}	S 7.43277		2 p N	LCI-W
59475 1999 HN_{2}	3.07391	0.45	2	DWF
59477 1999 HP_{3}	24.1784	0.14	2	DWF
59479 1999 HX_{5}	7.51385	0.24	2	DWF
59489 1999 JQ_{2}	5.455	0.54	2	SWF
59490*1999 JD_{4}	18.8363	0.50−0.90	3−	
59491 1999 JO_{4}	3.113	0.15	2	SWF
59493 1999 JG_{5}	57.4	0.90	3− T0	
59499 1999 JP_{8}	5.017	0.30	2	SWF
59506 1999 JD_{11}	4.024	0.69	2	SWF
59513 1999 JX_{14}	11.3439	0.51	2	DWF
59524 1999 JU_{22}	17.9845	0.18	2	DWF
59528 1999 JK_{24}	4.21	0.65	3−	SWF
59529 1999 JT_{24}	132.222	0.57	2	DWF
59530 1999 JU_{24}	3.005	0.18	2	SWF
59544 1999 JH_{32}	28.4399	0.62	2	DWF
59555 1999 JE_{41}	5.39	0.53	2	SWF
59570 1999 JX_{48}	S 7.83102		2 p N	LCI-W
59572 1999 JA_{49}	231.428	0.19	2	DWF
59573*1999 JK_{49}	7.013	0.36−0.71	2	SWF
59575 1999 JB_{51}	67.312	0.73	2	SWF
59585*1999 JV_{55}	5.08	0.45−0.63	2+	SWF
59594 1999 JG_{59}	25.1032	0.34	2	DWF
59595 1999 JK_{60}	3.40471	0.46	2	DWF
59599 1999 JM_{62}	260.939	0.33	2	DWF
59600 1999 JX_{62}	148.833	0.28	2	DWF
59615 1999 JT_{69}	4.87	0.64	3	SWF
59616 1999 JY_{69}	3.03753	0.13	2	DWF
59632 1999 JZ_{77}	8.34458	0.08	2	DWF
59633 1999 JC_{78}	3.44422	0.06	2	DWF
59636 1999 JJ_{81}	3.7	0.20	2−	
59638 1999 JH_{82}	23.5673	0.21	2	DWF
59639 1999 JS_{83}	8.020	0.09	1	SWF
59651 1999 JK_{91}	2.32639	0.15	2	DWF
59662 1999 JN_{96}	141.524	0.53	2	DWF
59669*1999 JM_{99}	5.991	0.32−0.42	2	SWF
59681 1999 JC_{103}	9.47478	0.36	2	DWF
59706 1999 JT_{120}	101.75	0.19	2	DWF
59712 1999 JN_{126}	19.689	0.61	2	SWF
59714 1999 JG_{128}	9.724	0.51	2	SWF
59732 1999 LO_{2}	78.8035	0.22	2	DWF
59747 1999 LV_{13}	14.4851	0.19	2	DWF
59748 1999 LE_{14}	6.65	0.06	2	
59765 1999 NN_{4}	157.762	0.62	2	DWF
59767 1999 NR_{10}	32.7105	0.26	2	DWF
59770 1999 NS_{15}	11.2354	0.35	2	DWF
59778 1999 NO_{39}	5.52	0.79	2	SWF
59812 1999 RA_{18}		0.62		SWF
59833 Danimatter	49.042	0.15	2	DWF
59837 1999 RP_{44}	33.0112	0.21	2	DWF
59838 1999 RU_{45}	383.613	0.69	2	DWF
59840 1999 RD_{49}	15.5197	0.42	2	DWF
59843 1999 RD_{59}	6.28511	0.22	2	DWF
59855 1999 RD_{86}	4.939	0.37	2	SWF
59857 1999 RF_{93}	5.112	0.42	2	SWF
59868 1999 RH_{106}	5.116	0.41	2	SWF
59879 1999 RM_{119}	2.026	0.09	1	SWF
59880 1999 RS_{119}	S 3.604130		2 p N	LCI-W
59881 1999 RZ_{121}	2.179	0.37	2	SWF
59884 1999 RW_{123}	8.698	0.56	2	SWF
59887 1999 RU_{127}	65.4184	0.49	2	DWF
59890 1999 RG_{133}	2.8288	0.28	2	DWF
59893 1999 RY_{137}	5.564	0.32	2	SWF
59894 1999 RQ_{138}	15.8406	0.43	2	DWF
59902 1999 RJ_{147}	139.4	0.58	2	DWF

Planet	Period	Variation	Note	Survey
59909 1999 RK_{155}	8.33484	0.27	2	DWF
59915 1999 RF_{159}	4.820	0.33	2	SWF
59917 1999 RC_{161}	9.339	0.30	2	SWF
59920 1999 RO_{162}	S 4.368980		2 p N	LCI-W
59921 1999 RM_{163}	>2.82	>0.35		SWF
59922 1999 RY_{164}	5.3239	0.30	2	DWF
59931 1999 RZ_{179}	7.529	0.08	1	SWF
59939 1999 RW_{192}	4.159	0.28−0.34	2	SWF
59940 1999 RT_{197}	11.783	0.10	1	SWF
59941 1999 RX_{197}	9.87573	0.37	2	DWF
59942 1999 RZ_{197}	33.379	0.61	2	SWF
59962 1999 RL_{234}	13.8	0.38	2−	
59979 1999 SV_{5}	5.49989	0.51	2	DWF
59980 1999 SG_{6}	2.27	0.18	2	SWF
59983 1999 SN_{10}	42.8334	0.28	2	DWF
59985 1999 SN_{11}	29.721	0.09	1	SWF
59988 1999 SH_{16}	13.2266	0.61	2	DWF
60008 Jarda	8.1	0.16	2	SWF
60014 1999 TW_{27}	7.414	0.51	2	SWF
60022 1999 TX_{44}	5.834	0.56	2	SWF
60023 1999 TC_{45}	5.51025	0.41	2	DWF
60024 1999 TW_{47}	109.908	0.28	2	SWF
60026 1999 TC_{72}	50.00	0.22	2	SWF
60030 1999 TE_{89}	5.337	0.37	2	SWF
60032 1999 TJ_{92}	26.9822	0.22	2	DWF
60042 1999 TF_{102}	29.215	0.22	2	SWF
60048 1999 TS_{104}	7.16	0.31	2	SWF
60050 1999 TJ_{106}	16.0909	0.22	2	DWF
60051 1999 TN_{106}	6.94	0.41	2	SWF
60052*1999 TM_{107}	7.175	0.51−0.53	2	SWF
60055 1999 TB_{112}	6.561	0.66	2	SWF
60057 1999 TZ_{117}	15.613	0.29	2	SWF
60062 1999 TE_{119}	>1.00	>0.10		SWF
60069 1999 TK_{129}	>1.58	>0.17		SWF
60082 1999 TL_{150}	66.541	0.56	2	SWF
60089 1999 TK_{154}	2.71	0.37	3	SWF
60091 1999 TG_{156}	3.60	0.16−0.29	2	SWF
60096 1999 TG_{166}	5.209	0.65	2	SWF
60099 1999 TW_{173}	9.23	0.38−0.43	2	SWF
60102 1999 TY_{182}	8.202	0.30	2	SWF
60106 1999 TT_{201}	69.1262	0.38	2	DWF
60108 1999 TF_{205}	4.202	0.60	2	SWF
60117 1999 TZ_{222}	23.1763	0.18	2	DWF
60143 1999 TV_{292}	3.598	0.54	2	SWF
60147 1999 TC_{320}	36.381	0.28	2	SWF
60151 1999 UZ_{6}	S 13.8836	0.75	3 p	
60152 1999 UG_{13}	>1.07	>0.15		SWF
60158 1999 UH_{24}	42.6993	0.39	2	DWF
60160 1999 UQ_{25}	122.322	0.23	2	DWF
60178 1999 VY_{6}	5.186	0.64	2	SWF
60189 1999 VM_{27}	370.774	0.39	2	DWF
60194 1999 VU_{43}	S 8.56094		2 p N	LCI-W
60195 1999 VM_{44}	79.4068	0.19	2	DWF
60208 1999 VQ_{72}	136.227	0.28	2	DWF
60216 1999 VG_{82}	5.288	0.59	2	SWF
60222 1999 VB_{115}	8.70	0.23	2	SWF
60234 1999 VK_{157}	5.92136	0.77	2	DWF
60235 1999 VO_{163}	9.43552	0.83	2	DWF
60260 1999 XO_{6}	301.15	0.18	2	DWF
60271 1999 XN_{56}	5.82	0.48	2	SWF
60281 1999 XF_{95}	4.783		2	SWF
60298 1999 XF_{168}	80.2169	0.50	2	DWF
60310 1999 XD_{215}	126.608	0.62	2	SWF
60326 1999 YB_{23}	18.993	0.24	2	SWF
60332 2000 AJ_{35}	6.557	0.84−0.92	2	SWF
60335 2000 AR_{42}	5.25	0.69	3−	
60336 2000 AK_{46}	3.15493	0.25	2	DWF
60337 2000 AF_{51}	5.428	0.87	2	SWF
60348 2000 AT_{81}	6.23	0.79	2	SWF
60358 2000 AR_{98}	10.6044	0.18	2	DWF
60362 2000 AU_{103}	S 3.991475		2 p N	LCI-W
60365 2000 AT_{109}	D long	>0.2		
60371 2000 AN_{139}	5.071	0.26	2	SWF
60377 2000 AC_{165}	>1.13	>0.06		SWF
60381 2000 AX_{180}	28.96	0.30	2−	
60398 2000 AG_{251}		1.03	I	
60403 2000 BK_{30}	2.94	0.31	2	SWF
60411 2000 CP_{20}	5.30	0.59	3−	SWF
60429 2000 CJ_{52}	2.761	0.26	2	SWF
60446 2000 CA_{88}	15.035	0.52	2	SWF

Planet	Period	Variation	Note	Survey
60458 2000 CM_{114}			BHN	
60466 2000 DK_{12}	3.536	0.06	1	SWF
60475 2000 DC_{36}	2.58	0.34	1	SWF
60493 2000 DC_{83}	64.4214	0.31	2	DWF
60495 2000 DF_{88}	5.717	0.45	2	SWF
60507 2000 DG_{106}	9.411	0.54	2	SWF
60527 2000 EE_{43}	6.01	0.36−0.44	2	SWF
60531 2000 EF_{50}	S 8.61225		2 p N	LCI-W
60533 2000 EC_{55}	7.42972	0.17	2	DWF
60546*2000 EE_{85}	5.400	0.19	2 A	
60552 2000 EO_{89}	29.213	0.56−0.70	2	SWF
60558 Echeclus	26.802	0.24	2	
60569 2000 EH_{112}	15.152	0.17	2	SWF
60570 2000 ET_{113}	3.914	0.23−0.28	2	SWF
60571 2000 ER_{116}	20.60	0.84	2	SWF
60574 2000 EK_{119}	5.73677	0.41	2 A	DWF
60581 2000 EE_{128}	>1.00	>0.14		SWF
60584*2000 EW_{132}	2.9271	0.07−0.10	1+	DWF
60589 2000 EU_{139}	10.177	0.49	2	SWF
60601*2000 EQ_{157}	19.670	0.47−0.49	2	SWF
60621 2000 FE_{8}			BHN	
60626 2000 FU_{21}	4.43672	0.84	2	DWF
60628 2000 FX_{24}	S 53.327		2 p N	LCI-W
60636 2000 FH_{30}	3.908	0.28	2	SWF
60637 2000 FX_{30}	3.23	0.21	1	SWF
60638 2000 FF_{31}	52.0873	0.19	2	DWF
60642 2000 FP_{37}	S 8.75864		2 p N	LCI-W
60646 2000 FJ_{39}	6.08	0.71	3	SWF
60654 2000 FP_{45}	19.4845	0.37	2	DWF
60656 2000 FF_{47}	3.83365	0.21	2	DWF
60677*2000 GO_{18}	3.6274	0.16	3	
60679 2000 GE_{24}	5.544	0.74−0.87	2	SWF
60693 2000 GX_{40}	5.33	0.16	2	SWF
60696 2000 GQ_{43}	7.849	0.67	2	SWF
60705 2000 GU_{55}	3.57	0.48	3−	SWF
60716 2000 GD_{65}	1.9529	0.24−0.29	3	
60741 2000 GY_{90}	126.998	0.73	2	DWF
60744*2000 GB_{93}	9.71054	0.67	2 p	
60746 2000 GA_{95}	117.607	0.53	2	DWF
60764 2000 GV_{122}	4.7125	0.16	2	DWF
60773 2000 GD_{158}	198.185	0.48	2	DWF
60779 2000 GY_{162}	24.677	0.30	2	DWF
60802 2000 HK_{15}	5.192	0.38	2	SWF
60814 2000 HG_{32}	10.48	0.57	2	SWF
60816 2000 HO_{34}	5.65	0.68	2+	SWF
60817 2000 HR_{37}	13.3893	0.22	2	DWF
60844 2000 HF_{62}	5.11	0.69	2+	SWF
60845 2000 HP_{62}	10.2069	0.27	2	DWF
60847 2000 HC_{64}	17.4573	0.64	2	DWF
60853 2000 HZ_{65}	12.97	0.46	2	SWF
60864 2000 HM_{75}	3.385	0.26	2	SWF
60866 2000 HM_{79}	3.866	0.33	2	SWF
60875 2000 HV_{86}	3.18	0.30	2	SWF
60891 2000 JL_{18}	5.670		2−	SWF
60896 2000 JB_{23}	22.584	0.28	2	SWF
60929 2000 JO_{46}	18.0739	0.13	2	DWF
60933 2000 JK_{51}	3.81031	0.17	2	DWF
60935 2000 JN_{51}	6.222		2	SWF
60943 2000 JV_{55}	5.278	0.27	2	SWF
60949 2000 JM_{61}	185.337	0.08	1	SWF
60957 2000 JD_{71}	8.101	0.59	2	SWF
60984 2000 KQ_{13}	3.390	0.43	2+	
60994 2000 KA_{26}	20.8476	0.20	2	DWF
61000 2000 KD_{31}	5.064	0.24	2	SWF
61004 2000 KH_{33}	9.54874	0.24	2	DWF
61014 2000 KV_{41}	47.643		2−	SWF
61020 2000 KC_{47}	1.98942	0.20	2	DWF
61027 2000 KP_{53}	7.816	0.38	2	SWF
61036 2000 KC_{59}	6.617	0.71	2	SWF
61051 2000 KC_{73}	9.50638	0.26	2	DWF
61057 2000 KD_{76}	14.538	0.91	2	SWF
61076 2000 LP_{14}	3.63411	0.17	2	DWF
61091 2000 LU_{27}	13.698		2−	SWF
61140 2000 NR_{5}	3.2099	0.41	3	
61145 2000 NX_{8}	7.67993	0.48	2	DWF
61156 2000 NJ_{14}	6.05628	0.25	2	DWF
61172 2000 NE_{21}	5.36134	0.36	2	DWF
61173 2000 NB_{22}	7.6623	0.62	2	DWF
61175 2000 NO_{22}	6.84178	0.76	2	DWF
61183 2000 NB_{26}	5.31525	0.22	2	DWF
61195 Martinoli	3.191	0.37−0.44	2	SWF
61207 2000 OZ_{7}	3.921	0.15	2	SWF
61209 2000 OM_{9}	23.671	0.15	2	DWF
61213 2000 OK_{10}	3.814	0.18	2	SWF
61233 2000 ON_{15}	8.89	0.13	2	SWF
61238 2000 OF_{17}	4.169	0.79	2	SWF
61251 2000 OE_{24}	7.23921	0.26	2	DWF
61255 2000 OJ_{25}	54.0004	0.30	2	DWF
61259 2000 OG_{26}	6.360	0.26	2	SWF
61263 2000 OR_{28}	2.53	0.30	1 N	
61279 2000 OF_{35}	2.57	0.47	2	SWF
61280 2000 OH_{35}	6.449	0.38−0.50	2	SWF
61282 2000 OE_{36}	5.210		2	SWF
61287 2000 OR_{41}	45.134	0.28	2	DWF
61303 2000 OY_{47}	4.62	0.79	1+	SWF
61313 2000 OF_{51}	18.	0.33	1	
61319 2000 OW_{51}	39.719	0.23	2	DWF
61327 2000 OR_{57}	6.71	0.35	2	SWF
61336 2000 OT_{67}	>1.35	>0.59		SWF
61352 2000 PY_{9}	8.832	0.05	1	SWF
61358 2000 PK_{12}	2.57	0.15	2−	SWF
61359 2000 PW_{13}	>5.40	>0.17		SWF
61364 2000 PH_{20}	S 59.927		2 p N	LCI-W
61369 2000 PO_{22}	3.78913	0.18	2	DWF
61378 2000 PU_{28}	4.69	0.61−0.90	2+	SWF
61388 2000 QA_{3}	8.315	0.21	2	SWF
61389 2000 QD_{3}	23.831		2−	SWF
61397 2000 QF_{5}	6.94	0.64−0.67	3	SWF
61400 Voxandreae	4.68529	0.16	2 1	DWF
61421 2000 QU_{14}	4.87	0.71	2	SWF
61429 2000 QF_{17}	21.620	0.38	2	SWF
61433 2000 QY_{18}	5.042		2−	SWF
61440 2000 QE_{23}	>2.37	>0.19		SWF
61445 2000 QF_{25}	10.5	0.40−0.50	2	SWF
61461*2000 QA_{31}	12.2	0.52−0.62	2	
61469 2000 QJ_{35}	S 40.4448		2 p N	LCI-W
61479 2000 QH_{39}	4.89	0.62−0.74	3−	SWF
61480 2000 QY_{39}		0.57		SWF
61496 2000 QO_{49}	8.00857	0.46	2	DWF
61524 2000 QR_{60}	4.98403	0.42	2	DWF
61538 2000 QA_{64}	13.0262	0.51	2	DWF
61546 2000 QT_{65}	53.8682	0.71	3	DWF
61547 2000 QO_{66}	5.359	0.90	2	SWF
61595 2000 QT_{89}	14.1975	0.17	2	DWF
61599 2000 QR_{91}	2.296	0.18	2	SWF
61602 2000 QB_{92}	S 23.8129		2 p N	LCI-W
61605*2000 QQ_{92}	14.4	0.21	2−	
61610 2000 QK_{95}	64.499	0.77	2	SWF
61620 2000 QW_{100}	98.7492	0.21	2	DWF
61626 2000 QA_{102}	5.165	0.43	2	SWF
61628 2000 QF_{102}	5.67105	0.32	2	DWF
61630 2000 QP_{102}	5.135	0.58	2	SWF
61631 2000 QX_{102}	4.038	0.20−0.22	2	SWF
61639 2000 QX_{104}	145.224	0.44	2	DWF
61652 2000 QO_{112}	3.367	0.07	2	
61660 2000 QP_{114}	98.4527	0.20	2	DWF
61663 2000 QB_{116}	24.9841	0.22	2	DWF
61666 2000 QS_{117}	56.6678	0.31	2	DWF
61675*2000 QQ_{122}	7.181	0.50−0.65	2	SWF
61676 2000 QM_{123}	11.7939	0.47	2	DWF
61679 2000 QH_{124}	13.71	0.40	2	SWF
61689 2000 QH_{127}	9.14801	0.30	2	DWF
61717 2000 QU_{142}	3.16	0.52−0.59	3−	SWF
61729 2000 QX_{147}	11.8046	0.18	2	DWF
61733 2000 QU_{150}	9.34332	0.52	2	DWF
61750 2000 QD_{157}	331.564	0.84	2	SWF
61754 2000 QP_{159}	9.01595	0.29	2 A	DWF
61774 2000 QV_{171}	9.127	0.67−0.76	2	SWF
61777 2000 QW_{172}	1.32867	0.24	2 1	DWF
61778 2000 QA_{174}	44.871		2−	SWF
61780 2000 QQ_{175}	14.813	0.24	2	DWF
61791 2000 QV_{182}	3.475	0.25	2	SWF
61796 2000 QM_{183}	>0.92	>0.77		SWF
61799 2000 QC_{184}	130.99	0.48	2	DWF
61800 2000 QU_{184}	3.44771	0.47	2	DWF
61806 2000 QZ_{185}	>5.30	>0.25		SWF
61818 2000 QW_{190}	13.588		2	SWF
61824 2000 QU_{193}	2.4612	0.08	2	DWF
61830 2000 QA_{196}	4.813	0.53	2	SWF
61882 2000 QA_{218}	60.4522	0.37	2	DWF

Planet	Period	Variation	Note	Survey
61888 2000 QO_{220}	60.391	0.52	2	SWF
61898 2000 QZ_{227}	>0.57	>0.28		SWF
61905 2000 QF_{230}	7.11	0.24	1+	SWF
61907 2000 QK_{230}	6.44	0.65	2+	
61925 2000 RA_{3}	285.621	0.37	2	DWF
61931 2000 RS_{5}	5.754		2	SWF
61938 2000 RT_{9}	2.94105	0.29	2	DWF
61945 2000 RO_{13}	30.154	0.87	2	SWF
61946 2000 RQ_{13}	64.3466	0.31	2	DWF
61957 2000 RE_{19}	12.0706	0.17	2	DWF
61961 2000 RC_{20}	3.67847	0.39	2	DWF
61983 2000 RN_{30}	9.909	0.56	2	SWF
61985 2000 RW_{30}	20.1344	0.27	2	DWF
61994 2000 RT_{33}	3.71066	0.17	2	DWF
62000 2000 RA_{36}	30.6218	0.26	2	DWF
62006 2000 RQ_{38}	28.6089	0.16	2	DWF
62008 2000 RR_{39}	S 5.58611		2 p N	LCI-W
62012 2000 RJ_{41}	4.01		2 N	
62018 2000 RV_{42}	12.639	0.10	1	SWF
62043*2000 RH_{65}	216.359	0.62	2	DWF
62052 2000 RA_{69}	>1.15	>0.04		SWF
62063 2000 RA_{72}	11.3526	0.57	2	DWF
62071 Voegtli	15.604	0.45	2	SWF
62074*2000 RL_{79}	18.808	0.24−0.31	2	SWF
62081 2000 RS_{82}	4.59211	0.31	2	DWF
62082 2000 RZ_{82}	9.30882	0.38	2	DWF
62107 2000 RF_{97}	184.943	0.41	2	DWF
62110*2000 RX_{97}	4.757	0.59−0.71	2	SWF
62112 2000 RM_{99}	7.036	0.54−0.73	2+ p	
62116 2000 RC_{101}	4.86955	0.51	2	DWF
62117 2000 RC_{102}	13.5	0.09	2	
62120 2000 RL_{102}	8.06652	0.24	2	DWF
62121 2000 RO_{102}	5.36363	0.36	2	DWF
62122 2000 RS_{102}	2.691	0.10	1	SWF
62128 2000 SO_{1}	6.706	0.45	3−	
62147 2000 SB_{18}	17.7599	0.27	2	DWF
62149 2000 ST_{19}	4.63799	0.24	2	DWF
62160 2000 ST_{25}	14.059	0.26	2	SWF
62163 2000 SE_{27}	4.84803	0.41	2	DWF
62187 2000 SB_{40}	29.1036	0.28	2	DWF
62192 2000 SL_{46}	11.5934	0.28	2	DWF
62196 2000 SD_{49}	>1.97	>0.31		SWF
62209 2000 SF_{61}	7.56	0.34	2	SWF
62212 2000 SA_{62}	10.2708	0.23−0.46	3	
62213 2000 SL_{63}	3.68	0.35	2	SWF
62218 2000 SA_{65}	20.138	0.39−0.45	2	SWF
62231 2000 SQ_{71}	13.1564	0.29	2	DWF
62238 2000 SF_{74}	12.6242	0.38	2	DWF
62260 2000 SS_{85}	237.494	0.51	2	DWF
62277 2000 SX_{100}	12.9416	0.34	2	DWF
62285 2000 SZ_{109}	1.20	0.29	2	SWF
62294 2000 ST_{113}	25.294	0.22	2	DWF
62298 2000 SK_{116}	84.864	0.51	2	SWF
62308 2000 SH_{118}	7.33021	0.35	2	DWF
62311 2000 SF_{119}	119.272	0.25	2	DWF
62312 2000 SL_{119}	>0.97	>0.26		SWF
62315 2000 SV_{119}	4.54843	0.21	2	DWF
62317 2000 SU_{121}	151.053	0.54	2	DWF
62320 2000 SC_{123}	33.2706	0.47	2	DWF
62323 2000 SX_{123}	30.1948	0.18	2	DWF
62325 2000 SC_{124}	7.74	0.17	2	SWF
62340 2000 SO_{130}	128.022	0.62	2	SWF
62348 2000 SB_{142}	7.889	0.58	2	SWF
62352 2000 SG_{143}	41.2322	0.42	2	DWF
62354 2000 SQ_{143}	1.63	0.25	2	SWF
62359 2000 SB_{148}	>5.30	>0.15		SWF
62361 2000 SX_{148}	31.252		2−	SWF
62365 2000 SY_{149}	16.7565	0.22	2	DWF
62376 2000 SU_{153}	17.6	0.06	1	
62379 2000 SA_{155}	4.391	0.30	2	SWF
62383 2000 SS_{156}	S 44.4885		2 p N	LCI-W
62390 2000 SA_{166}	2.88122	0.19	2	DWF
62394 2000 SU_{169}	18.1251	0.16	2	DWF
62396 2000 SE_{170}	S 4.240958		2 p N	LCI-W
62404 2000 SQ_{173}	176.027	0.29	2	DWF
62408 2000 SU_{176}	3.197	0.17	3	
62409 2000 SR_{177}	4.398	0.71	2	SWF
62410*2000 SN_{178}	76.736	0.30−0.49	2	SWF
62412 2000 SY_{178}	3.33	0.45	3−	
62415 2000 SA_{180}	22.22	0.39	2	SWF
62426 2000 SX_{186}	7.33342	0.21	2	DWF
62427 2000 SH_{187}	4.03966	0.61	2	DWF
62432 2000 SH_{188}	10.80	0.53	2	SWF
62434 2000 SW_{189}	10.1575	0.56	2	DWF
62452 2000 SO_{209}	67.8066	0.22	2	DWF
62468 2000 SA_{214}	11.971	0.97	2 p	SWF
62475 2000 SB_{219}	38.1282	0.33	2	DWF
62482 2000 SE_{221}	5.76509	0.44	2	DWF
62492 2000 ST_{224}	35.82	1.48	2	SWF
62518 2000 SM_{245}	88.4682	0.28	2	DWF
62537 2000 SG_{258}	238.486	0.40	2	DWF
62550 2000 SM_{263}	S 24.9799		2 p N	LCI-W
62561 2000 SF_{269}	193.953	0.71	2	DWF
62565 2000 SU_{272}	3.34	0.66	3	SWF
62571 2000 SY_{274}	87.9237	0.27	2	DWF
62575 2000 SL_{278}	90.573	0.65	2	SWF
62594 2000 SX_{305}	49.902	0.42	2	DWF
62595 2000 SW_{306}	67.175	0.54	2	SWF
62606 2000 SK_{325}	32.007	0.87−1.15	2	SWF
62631 2000 SM_{355}	14.9498	0.25	2	DWF
62632 2000 SB_{356}	73.8053	0.31	2	DWF
62634 2000 SL_{356}	21.6197	0.26	2	DWF
62641 2000 SZ_{358}	S 6.55243		2 p N	LCI-W
62642 2000 SN_{359}	9.46376	0.51	2	DWF
62651 2000 SB_{364}	6.147	0.49	2	SWF
62653 2000 SP_{364}	16.0657	0.14	2	DWF
62666 Rainawessen	176.218	0.28	2	DWF
62667 2000 TC	186.175	0.45	2	DWF
62670 2000 TK_{8}	2.94	0.76	1	SWF
62686 2000 TD_{20}	7.42308	0.39	2	DWF
62694 2000 TV_{24}	5.598	0.31	2	SWF
62715 2000 TR_{43}	4.036	0.38	2	SWF
62731 2000 TO_{59}	7.291	0.55	2	SWF
62734 2000 TX_{60}	3.983	0.21	2	SWF
62743 2000 UA_{1}	7.51091	0.63	2	DWF
62744 2000 UX_{1}	6.91234	0.13	2	DWF
62745 2000 UY_{1}	19.86	0.46	2	DWF
62752 2000 UB_{6}	57.83	0.73	2	SWF
62780 2000 UF_{22}	5.82598	0.47	2	DWF
62781 2000 UE_{23}	28.94	1.1	1 NA	
62789 2000 UZ_{25}	204.941	0.49	2	DWF
62798 2000 UO_{36}	231.513	0.21	2	DWF
62814 2000 UK_{43}	7.67	0.19	2	SWF
62826 2000 UU_{50}	30.6856	0.71	2 A	DWF
62827 2000 UX_{50}	87.4237	0.54	2	DWF
62828 2000 UN_{53}	11.0	0.33	2	SWF
62834 2000 UC_{56}	6.86856	0.42	2	DWF
62836 2000 UC_{59}	10.73	0.88	2+	
62842 2000 UF_{63}	7.94	0.79	1 DA	SWF
62844 2000 UK_{64}	75.0739	0.20	2	DWF
62850 2000 UC_{72}	17.389	0.27	2	SWF
62853 2000 UO_{76}	129.300	0.88	2	SWF
62854 2000 UW_{76}	14.7	0.85	2−	SWF
62855 2000 UE_{77}	7.36262	0.48	2	DWF
62872 2000 UC_{87}	21.131	0.28	2	SWF
62878 2000 UY_{90}	3.44669	0.32	2	DWF
62887 2000 UX_{95}	3.858	0.51	2	SWF
62922 2000 VV_{12}	3.47	0.38	2	SWF
62925 2000 VE_{14}	14.737	0.48	2	SWF
62938 2000 VJ_{23}	351.669	0.92	2	DWF
62944 2000 VF_{28}	18.2689	0.20	2	DWF
62951 2000 VE_{34}	54.484	0.17	2	DWF
62956 2000 VK_{37}	44.7223	0.44	2	DWF
62978 2000 VW_{52}	21.7112	0.18	2	DWF
62980 2000 VT_{53}	438.982	0.59	2	DWF
62987 2000 WP_{1}	88.9696	0.43	2	DWF
62996 2000 WG_{16}	15.506	0.39	2	SWF
63012 2000 WU_{37}	5.86453	0.65	2	DWF
63013 2000 WO_{38}	7.98177	0.17	2	DWF
63026 2000 WF_{54}	35.8222	0.14	2	DWF
63029 2000 WH_{57}	8.693	0.19	1 NA	
63040 2000 WT_{74}	3.80	0.37	2	SWF
63047*2000 WQ_{93}	2.816	0.14	2 A	
63062 2000 WL_{118}	7.334	0.64	2	SWF
63070 2000 WH_{125}	8.55167	0.12	2	DWF
63074 2000 WU_{125}	6.42834	0.39	2	DWF
63095 2000 WS_{142}	25.2547	0.27	2	DWF
63098 2000 WC_{146}	6.215	0.66	2	SWF
63110 2000 WQ_{158}	3.584	0.26	2	SWF
63128 2000 WD_{182}	>0.97	>0.27		SWF

Planet	Period	Variation	Note	Survey
63143 2000 XS_{1}	2.586	0.32	2	SWF
63148 2000 XQ_{19}	26.979	0.20	2	SWF
63157 2000 YL_{2}	S 63.568		2 p N	LCI-W
63158 2000 YA_{4}	12.80	0.66	2	SWF
63166*2000 YW_{17}	S 9.94934	0.66	2 p	LCI-D
63189 2000 YC_{97}	3.60396	0.23	2	DWF
63195 2000 YN_{120}	7.113	0.56	2	SWF
63201 2000 YH_{129}	6.846	0.64	2	SWF
63209 2001 AP_{11}	4.333		2−	SWF
63211 2001 AU_{13}	>5.28	>0.14		SWF
63213 2001 AY_{18}	6.44	0.63	2	SWF
63222 2001 AM_{36}	14.3728	0.19	2	DWF
63235 2001 BV_{20}	4.49	0.34−0.37	2	SWF
63239 2001 BD_{25}	60.075	0.52−0.54	2+ H	DWF
63241 2001 BJ_{26}		1.21	I	
63244 2001 BO_{28}	24.595		2	SWF
63260 2001 CN	8.76	0.79	3−	
63264 2001 CP_{5}	7.74	0.30	2−	SWF
63271 2001 CN_{34}	5.704	0.25	2+ N	
63287 2001 DT_{79}	17.682	0.10		
63304 2001 EQ_{23}	189.002	0.30	2	DWF
63311 2001 FD_{24}	8.443	0.97	2	SWF
63322 2001 FO_{48}	9.15786	0.16	2 A3	DWF
63329 2001 FJ_{55}	20.34	0.35	2	SWF
63339 2001 FP_{75}	23.8067	0.17	2	DWF
63368 2001 HQ_{7}	2.84	0.37	1+	SWF
63376 2001 HA_{38}	9.439	0.14	1 NA	
63377 2001 HL_{40}	5.51833	0.24	2	DWF
63379 2001 HN_{45}	54.0044	0.11	2	DWF
63398 2001 KZ_{9}	3.40	0.23	2	SWF
63405 2001 KP_{33}	119.89	0.27	2	DWF
63410 2001 KQ_{39}	6.967	0.49	2	SWF
63418 2001 KW_{62}	48.0717	0.74	2	DWF
63426 2001 LU_{13}	349.378	0.76	2	DWF
63427 2001 MB	3.168	0.09	1	SWF
63429 2001 MH_{5}	9.221	0.70−0.78	2	SWF
63432 2001 MY_{14}			HN	DWF
63433 2001 MZ_{17}	4.448	0.34	2	SWF
63440 2001 MD_{30}	3.29687	0.13−0.20	3	
63444 2001 ND_{8}	7.087	0.25	2	SWF
63456 2001 OS_{5}	5.91429	0.38	2	DWF
63459 2001 OT_{7}	4.781	0.54	2	SWF
63472 2001 OY_{25}	22.5765	0.18	2	DWF
63475 2001 OB_{32}	12.47	0.22	2	SWF
63479 2001 OL_{40}	83.5422	0.22	2	DWF
63485*2001 OO_{49}	14.664	0.42−0.52	2	SWF
63486 2001 OH_{55}	>24.	>0.1		SWF
63493 2001 OY_{62}	2.62	0.17	2	SWF
63500 2001 OS_{69}	323.849	0.72	2	DWF
63508 2001 OQ_{81}	3.63	0.2	2 A	
63513 2001 OV_{96}	7.886	0.60	2	SWF
63516 2001 OL_{103}	70.555	0.15	2	DWF
63522 2001 PP	7.33	0.84	1	SWF
63533 2001 PY_{22}	9.30334	0.46	2	DWF
63537 2001 PS_{33}	4.101	0.40	2	SWF
63538 2001 PG_{38}	3.56445	0.19	2	DWF
63539 2001 PH_{39}	4.92426	0.41	2	DWF
63541 2001 PY_{41}	14.5061	0.34	2	DWF
63548 2001 PD_{58}	3.800	0.40	2	SWF
63573 2001 QG_{23}	2.20	0.15	2	SWF
63578 2001 QD_{28}	7.483	0.39−0.47	2	SWF
63583 2001 QP_{31}	2.855	0.17	3−	
63611 2001 QX_{75}	13.7929	0.39	2	DWF
63614*2001 QF_{77}	2.836	0.14−0.51	2	SWF
63617*2001 QO_{78}	372.286	0.56	2	DWF
63621 2001 QZ_{78}	>3.72	>0.41		SWF
63628 2001 QN_{80}	16.852	0.59	2	SWF
63632 2001 QG_{84}	13.112	0.15	2	DWF
63633 2001 QR_{84}	5.2	0.18	2−	
63634 2001 QU_{86}	3.46	0.63	2−	
63636 2001 QJ_{90}	2.51029	0.19	2	DWF
63642 2001 QK_{97}	S 56.918		2 p N	LCI-W
63649 2001 QT_{105}	2.67	0.06	2	SWF
63656 2001 QC_{114}	6.8032	0.28	2	DWF
63660 2001 QV_{119}	14.846	0.21−0.47	2	SWF
63679 2001 QN_{145}	3.78	0.56−0.65	2	SWF
63692 2001 QQ_{160}	9.50	0.29	2	SWF
63702 2001 QK_{182}	4.66	0.14	2	SWF
63712*2001 QH_{200}	14.620	0.28−0.33	2	SWF
63725 2001 QP_{235}	59.4106	0.85	2	DWF

Planet	Period	Variation	Note	Survey
63728 2001 QW_{237}	6.00	0.17	2	SWF
63730 2001 QB_{239}	4.320	0.40−0.43	2	SWF
63736 2001 QF_{249}	4.202	0.43	2	SWF
63758 2001 QP_{277}	30.6848	0.13	2	DWF
63759 2001 QB_{280}	40.9619	0.28	2	DWF
63802 2001 RV_{28}			HN	DWF
63808 2001 RF_{44}	15.5549	0.19	2	DWF
63822 2001 RQ_{68}	2.75001	0.29	2	DWF
63827 2001 RP_{71}				SWF
63829 2001 RM_{72}	18.64	0.51	1 DA	SWF
63832 2001 RL_{74}	14.4066	0.33	2	DWF
63841 2001 RX_{76}	28.4236	0.18	2	DWF
63844 2001 RK_{80}	3.261	0.41−0.59	2	SWF
63851 2001 RH_{87}	2.672	0.47	2	SWF
63883 2001 SO	13.56	0.16	2	SWF
63894 2001 SN_{5}	8.57	0.60	2	SWF
63908 2001 SM_{20}	>1.97	>0.13		SWF
63913 2001 SG_{32}	8.314	0.73−0.89	2	SWF
63923 2001 SV_{41}	8.759	0.34	2	SWF
63939 2001 SD_{55}	105.1	0.67	2	DWF
63940 2001 SR_{55}	5.98823	0.30	2	DWF
63952 2001 SU_{64}	7.06196	0.53	2	DWF
63958 2001 SV_{67}	5.428		2−	SWF
63966 2001 SY_{70}	270.162	0.36	2	DWF
63968 2001 SG_{71}	3.19	0.60−0.61	3	SWF
63970*2001 SG_{72}	4.8223	0.21	3−	
63977 2001 SQ_{79}	S 9.96639		2 p N	LCI-W
63983 2001 SM_{105}	4.18494	0.37	2	DWF
63987 2001 SP_{106}	7.74	0.70	2	SWF
63991 2001 SB_{108}	7.73739	0.72	2	DWF
64005 2001 SF_{121}	S 9.28811		2 p N	LCI-W
64020 2001 SN_{152}			HN	DWF
64036 2001 SO_{190}	11.29	0.64	2	SWF
64059 2001 SB_{261}	3.17847	0.15	2	DWF
64064 2001 SC_{268}	53.2232	0.33	2 A	DWF
64065 2001 SF_{268}	20.1935	0.26	2	DWF
64066 2001 SJ_{268}	>4.28	>0.18		SWF
64085 2001 SC_{283}	32.5267	0.17	2	DWF
64088 2001 SX_{285}	8.18869	0.32	2	DWF
64095 2001 SB_{320}	>1.00	>0.18		SWF
64107*2001 TK_{8}	68.5	0.46−1.31	2 T?	
64113 2001 TD_{11}	43.3049	0.65	2	DWF
64118 2001 TK_{17}	119.082	0.39	2	DWF
64122 2001 TL_{18}	3.24	0.18	2	SWF
64135 2001 TM_{32}	38.144	0.34	2	SWF
64141 2001 TH_{36}	20.7584	0.34	2	DWF
64147 2001 TM_{40}	10.0468	0.33	2	DWF
64156 2001 TN_{42}	5.38219	0.50	2	DWF
64163 2001 TB_{49}	4.22531	0.21	2	DWF
64175 2001 TT_{61}	4.68	0.36	2	SWF
64178 2001 TO_{63}	3.73	0.38−0.40	3−	SWF
64198 2001 TK_{77}	2.51	0.47	1+	SWF
64201 2001 TG_{80}	11.4316	0.56	2	DWF
64210 2001 TC_{104}	4.452		2−	SWF
64215 2001 TP_{106}	3.28106	0.19	2	DWF
64222 2001 TB_{110}	95.9574	0.28	2	DWF
64230 2001 TC_{117}	5.086	0.41	2	SWF
64233 2001 TA_{124}	51.2031	0.30	2	DWF
64246 2001 TC_{160}	4.101	0.21−0.24	2	SWF
64249 2001 TH_{166}	17.18	0.38	2	DWF
64251 2001 TC_{168}	5.05846	0.52	2	DWF
64254 2001 TX_{168}	109.951	0.17	2	DWF
64270 2001 TA_{197}		1.25	I	
64289 Shihwingching	2.67	0.27	3−	SWF
64292 2001 UF_{13}	15.438	0.64	2 p	SWF
64301 2001 UN_{19}	6.51	1.07	2	SWF
64302 2001 UH_{22}	4.92174	0.49	2	DWF
64308 2001 UJ_{30}	6.35733	0.84	2	DWF
64313 2001 UW_{33}	9.3533	0.32	2	DWF
64317 2001 UW_{35}	>0.92	>0.15		SWF
64372 2001 UQ_{113}	9.60	0.26	2	SWF
64379 2001 UG_{123}	12.82	0.60	2	SWF
64387 2001 UW_{144}		0.55		SWF
64390*2001 UY_{149}	8.4070	0.64	2	
64391 2001 UF_{150}	6.85	0.80	2	SWF
64392 2001 UL_{150}	4.379	0.84	2	SWF
64419 2001 UG_{186}	14.33	0.48	2	SWF
64421 2001 UD_{203}	>4.92	>0.40		SWF
64443 2001 VQ_{25}	169.924	0.46	2	DWF
64447 2001 VH_{28}	38.1339	0.16	2	DWF

Planet	Period	Variation	Note	Survey
64459 2001 VG_{35}	23.8949	0.12	2	DWF
64480 2001 VG_{45}	S 6.49717		2 p N	LCI-W
64481 2001 VK_{47}	2.95603	0.31	2	DWF
64488 2001 VC_{54}	15.9806	0.13	2	DWF
64492 2001 VE_{62}	46.812		2−	SWF
64497 2001 VF_{64}	24.4908	0.13	2	DWF
64506 2001 VJ_{76}	S 4.337107		2 p N	LCI-W
64522 2001 VJ_{98}	100.309	0.44	2	DWF
64530 2001 VF_{110}	7.458	0.30−0.35	2	SWF
64532 2001 VB_{114}	>5.13	>0.26		SWF
64533 2001 VR_{116}	10.27	0.81	2	SWF
64544 2001 VD_{121}	160.896	0.64	2	DWF
64555 2001 WA_{22}	185.36	0.32	2	DWF
64566 2001 WD_{36}	90.0958	0.26	2	DWF
64570 2001 WS_{38}	66.6624	0.54	2	DWF
64572 2001 WA_{39}	4.543	0.66	2	SWF
64578 2001 WR_{44}	7.34	0.44	2	SWF
64587 2001 XA	4.14798	0.08	2	DWF
64588 2001 XX_{3}	5.8288	0.83	3 p	
64599*2001 XD_{19}	9.88382	0.82	2 p	DWF
64600 2001 XM_{20}	28.3636	0.22	2	DWF
64612 2001 XH_{26}	18.002	0.25	1	
64613 2001 XP_{26}	23.7485	0.16	2	DWF
64617 2001 XP_{28}	60.1641	0.59	2	DWF
64618 2001 XQ_{28}	3.71336	0.31	2	DWF
64621 2001 XE_{30}	37.6565	0.76	2	DWF
64627 2001 XD_{43}	11.65	0.62	2	SWF
64638 2001 XT_{51}	6.00598	0.27	2	DWF
64670 2001 XJ_{64}	20.5994	0.20	2	DWF
64679 2001 XU_{68}	5.59	0.26	2−	
64684 2001 XB_{72}	10.3947	0.41	2	DWF
64687 2001 XC_{74}	>3.15	>0.23		SWF
64700 2001 XA_{86}	59.9202	0.22	2	DWF
64706 2001 XH_{90}	7.11	0.93	2	SWF
64707 2001 XA_{91}	53.970	0.53	2	SWF
64738 2001 XV_{142}	293.295	0.32	2 A	DWF
64762 2001 XD_{174}	3.02965	0.25	2	DWF
64772 2001 XY_{180}	3.942	0.76	2	SWF
64773 2001 XS_{182}	77.2464	0.65	2	DWF
64778 2001 XL_{189}	3.81	0.21	1	SWF
64787 2001 XH_{200}	2.84	0.30	3−	
64792*2001 XL_{206}	8.934	0.35−0.36	2	SWF
64795 2001 XC_{207}	408.577	0.47	2	DWF
64796 2001 XM_{207}	8.731	0.48	2	SWF
64801 2001 XH_{210}	19.020	0.39	2	SWF
64807 2001 XD_{213}	6.53	0.41	3−	SWF
64825 2001 XJ_{243}	70.6527	0.50	2	DWF
64837*2001 YE_{2}	3.495	0.39−0.52	2	SWF
64840 2001 YW_{5}	5.97172	0.66	2	DWF
64867 2001 YO_{58}	85.7054	0.10	2	DWF
64889 2001 YA_{76}	5.71	0.61	2	SWF
64894 2001 YN_{79}	8.62153	0.45	2	DWF
64897 2001 YX_{81}	5.30	0.12	1	SWF
64907 2001 YT_{89}	4.294	0.80	2	SWF
64912 2001 YY_{91}	6.39495	0.40	2	DWF
64913 2001 YL_{95}	7.60951	0.15	2	DWF
64918 2001 YB_{99}	5.55	0.34−0.36	2	SWF
64929 2001 YO_{108}	34.9745	0.13	2	DWF
64938 2001 YH_{116}	S 18.1030	0.66	2 p N	LCI-W
64939 2001 YP_{116}	32.956	0.49	2	SWF
64941 2001 YJ_{118}	9.38	0.53−0.55	3−	SWF
64949 2001 YO_{124}	53.2711	0.32	2	DWF
64955 2001 YO_{128}	25.9919	0.08	2	DWF
64958 2001 YT_{131}	6.27236	0.23	2 A	DWF
64963 2001 YP_{144}	137.197	0.64−0.65	2	SWF
64969 2002 AA_{4}	61.0452	0.41	2	DWF
64979 2002 AZ_{22}	15.927		2−	SWF
64995*2002 AV_{57}	5.08	0.35−0.40	2	SWF
64999 2002 AS_{63}	12.9601	0.23	2	DWF
65009 2002 AO_{81}	173.323	0.30	2	DWF
65011 2002 AJ_{83}	5.70529	0.38	2	DWF
65019 2002 AC_{99}	7.700	0.83	2	SWF
65025 2002 AS_{106}	10.689	0.28	2	SWF
65034 2002 AM_{114}	43.0659	0.28	2	DWF
65038 2002 AT_{128}	5.08455	0.69	2	DWF
65041 2002 AS_{133}	16.4718	0.17	2	DWF
65056 2002 AH_{170}	4.252	0.62	2	SWF
65066 2002 AU_{185}	4.64315	0.25	2	DWF
65068 2002 AK_{186}	8.763	0.83	2	SWF
65096 2002 CQ_{3}	34.8733	0.13	2	DWF
65108 2002 CR_{33}	10.854	0.55	2	SWF
65109 2002 CV_{36}	9.402	0.77−0.80	2	SWF
65113 2002 CD_{47}	7.47	0.52	2	SWF
65116 2002 CH_{51}	15.199	0.27−0.32	2	SWF
65122 2002 CB_{59}	4.092	0.47	2	SWF
65144 2002 CO_{113}	3.57391	0.23	2	DWF
65155 2002 CP_{140}	4.78	0.70	2	SWF
65177 2002 CW_{219}	4.462		2−	SWF
65178 2002 CX_{221}	127.958	0.41	2	DWF
65188 2002 CA_{247}	57.0622	0.18	2	DWF
65191 2002 CR_{257}	5.46	0.62	2	SWF
65200 2002 CL_{294}	2.4206	0.48	1 NA	
65203 2002 DU	6.518	0.70	2	SWF
65210*Stichius	35.12	0.32−0.41	2+ H	
65223 2002 EU_{34}	260.	0.34−0.44	2+ H	
65225 2002 EK_{44}	13.43	0.85	2 I	
65227 2002 ES_{46}	7.066	0.07−0.13	1 H	DWF
65235 2002 EG_{97}	>4.32	>0.33		SWF
65240 2002 EU_{106}	230.	0.09−0.22	1 H	DWF
65242 2002 EW_{115}	5.168	0.39	2	SWF
65246 2002 EH_{146}	28.0902	0.36	2	DWF
65257 2002 FU_{36}	17.83	0.50−0.53	3− H	
65264 2002 GW_{16}	6.218	0.30	2	SWF
65270 2002 GC_{38}	9.136	0.67	2	SWF
65276 2002 GR_{78}	8.238	0.69	2	SWF
65284 2002 HE_{1}	>4.32	>0.30		SWF
65287 2002 HL_{11}	2.924	0.23	2	SWF
65301 2002 JP_{48}	4.19	0.84	1+	SWF
65307 2002 JD_{64}	S 15.74956		2 p N	LCI-W
65312 2002 JP_{76}	18.145	0.60	2	SWF
65318 2002 JH_{107}	3.44116	0.20	2	DWF
65342 2002 NL_{13}	10.91	0.50	1	SWF
65345 2002 NF_{19}	14.148	0.35	2	SWF
65384 2002 PC_{136}	50.	0.3	1	SWF
65389 2002 RF_{12}		1.02	I	
65395 2002 RY_{63}	15.48	0.54	2	SWF
65407 2002 RP_{120}	200.	0.6	2 T0	
65430 2002 TK_{180}	54.7928	0.17	2	DWF
65433 2002 TX_{238}	6.5888	0.54−0.72	3	
65441*2002 TF_{291}	3.55382	0.55	2 p	DWF
65446 2002 VP_{25}	>5.38	>0.09		SWF
65453 2002 VJ_{68}	S 6.70497		2 p N	LCI-W
65461 2002 WU_{12}	S 10.21178		2 p N	LCI-W
65465 2002 XQ_{20}	3.63	0.60	3−	SWF
65487 2003 CD_{20}	3.38069	0.20	2	DWF
65489 Ceto	4.43	0.08	2 B	
65507 4151 *P–L*	7.510	0.10	1	SWF
65510 4241 *P–L*	9.295	0.50	2	SWF
65511 4243 *P–L*	2.805	0.14	2	DWF
65542 1143 *T–1*	13.170	0.08	1	SWF
65548 4311 *T–1*	>2.00	>0.64		SWF
65549 4869 *T–1*	53.1659	0.24	2	DWF
65562 2219 *T–2*	3.73	0.27	2	SWF
65590 Archeptolemos	65.6242	0.18	2	DWF
65593 2375 *T–3*	50.9815	0.69	2	DWF
65597 3047 *T–3*	7.6	0.14	2− A	
65619 4218 *T–3*	6.40	0.33	2	SWF
65623 4297 *T–3*	46.9181	0.16	2	DWF
65635 1977 EA_{8}	220.84	0.35	2	DWF
65637 Tsniimash	220.	0.90	3 T	
65638 1981 DN_{1}	S 8.68373		2 p N	LCI-W
65642 1981 ES_{2}	81.3824	0.25	2	DWF
65647 1981 EZ_{28}	7.51621	0.36	2	DWF
65648 1981 ES_{32}	7.29541	0.21	2	DWF
65651 1981 EV_{35}	25.1517	0.27	2	DWF
65661 1985 VB_{1}	3.53891	0.16	2	DWF
65669 1988 CJ_{4}	82.7712	0.40	2	DWF
65678 1989 SU_{2}	5.808		2	SWF
65679*1989 UQ	7.746	0.25−0.30	3	
65700 1991 VW_{6}	5.48425	0.36	2	DWF
65706 1992 NA	3.4844	0.15−0.37	3	
65713 1992 UQ_{1}	S 15.11168		2 p N	LCI-W
65715 1992 WV_{1}	8.75	0.36	2	
65717 1993 BX_{3}	20.463	0.91	2 T0	
65719 1993 FY_{17}	7.18	0.83−0.96	2	SWF
65721 1993 FV_{28}	>1.35	>0.08		SWF
65722 1993 FY_{35}	350.957	0.77	2	DWF
65733 1993 PC	4.185	0.73−0.97	3	
65736 1993 QH_{7}	7.16	0.45	2	SWF
65739 1993 SG_{13}	2.8	0.40	2−	

Planet	Period	Variation	Note	Survey
65744 1993 TR_{23}	51.921		2−	SWF
65765 1994 UR_{1}	8.451	0.76	2	SWF
65784 Naderayama	6.592	0.10	2 N	
65785 Carlafracci	5.78934	0.25	2	DWF
65795 1995 WQ_{27}	2.76	0.23	2	SWF
65803 Didymos	2.2593	0.08	3 p B	
65807 1996 JT_{9}	2.77	0.18	2	SWF
65821 De Curtis	6.44	0.71	2	SWF
65871 1997 UC_{22}	6.66006	0.17	2	DWF
65877 1997 XK_{1}	2.979	0.13	2	SWF
65897 1998 DQ_{7}	86.3064	0.18	2	DWF
65909 1998 FH_{12}	3.		2 R	
65916 1998 FJ_{36}	5.06113	0.30	2	DWF
65926 1998 FN_{55}	2.891	0.10	1	SWF
65934 1998 FE_{65}	48.122		2−	SWF
65954 1998 FT_{131}	36.5681	0.18	2	DWF
65966 1998 HH_{8}	4.363	0.10	1	SWF
65972*1998 HJ_{28}	4.572	0.09	2	
65975*1998 HV_{46}	19.762	0.47−0.49	2	SWF
65976 1998 HF_{51}	10.743	0.76	2	SWF
65977 1998 HZ_{69}	9.74734	0.22	2	DWF
65978 1998 HS_{98}	2.795	0.32	2	SWF
65984 1998 HA_{125}	192.	0.20	2	DWF
65991 1998 KL_{36}	5.007	0.43	2	SWF
65994 1998 KE_{53}			HN	DWF
65996 1998 MX_{5}	3.399	0.22	2+ A	
66001 1998 OG_{1}	3.00251	0.08	2	DWF
66005 1998 OA_{12}	372.923	0.41	2	DWF
66006 1998 OW_{13}	>5.33	>0.30		SWF
66007 1998 PO	10.2246	0.17	2	DWF
66008 1998 QH_{2}	7.09	0.13	2+	
66009 1998 QZ_{8}	25.1047	0.17	2	DWF
66015 1998 QW_{25}	10.532	0.28	2	SWF
66037 1998 QD_{74}	4.860	0.30	2+	
66039 1998 QS_{74}	6.62	0.25	2+	SWF
66050 1998 QB_{87}	196.8	0.58	2	DWF
66055 1998 QQ_{90}	4.30	0.29	2	SWF
66063 1998 RO_{1}	2.4924	0.13−0.16	3 p B	
66064 1998 RW_{4}	22.7682	0.41	2	DWF
66067 1998 RM_{19}	10.32	0.49	2	SWF
66068 1998 RG_{26}	4.232	0.11	2	SWF
66076*1998 RD_{53}	8.95075	0.63	2 p	DWF
66092 1998 SD	448.	0.42	2 T0	
66103 1998 SJ_{24}	9.380	0.61	2	SWF
66141 1998 SG_{142}	3.85	0.55	2+	SWF
66146 1998 TU_{3}	2.375	0.07−0.15	3	
66167 1998 VG_{28}	>1.73	>0.15		SWF
66172 1998 VX_{45}	>1.35	>0.09		SWF
66174 1998 VZ_{52}	22.2006	0.33	2	DWF
66187 1998 XS_{73}	31.034	0.55	2	SWF
66189 1998 XA_{97}	7.88	0.39−0.50	3	SWF
66190 1998 YX_{5}	25.778	0.15	2	SWF
66191 1998 YS_{6}	4.19	0.36	2	SWF
66193 1999 AF_{22}	8.00	0.26	2	
66201 1999 BC_{20}	6.760	0.09	1	SWF
66208 1999 CQ_{6}	99.8191	0.27	2	DWF
66221 1999 CH_{73}	2.83415	0.14	2	DWF
66234 1999 CZ_{157}	2.929	0.38	2	SWF
66236 1999 EP_{3}	12.4945	0.20	2	DWF
66251 1999 GJ_{2}	2.4621	0.10−0.13	3	
66284 1999 JU_{15}	32.321		2	SWF
66288 1999 JE_{20}	S 11.82657		2 p N	LCI-W
66295 1999 JC_{29}	5.551	0.59	2	SWF
66307 1999 JV_{40}	23.6334	0.62	2	DWF
66308 1999 JX_{40}	18.026	0.32	2	SWF
66317 1999 JL_{50}	121.808	0.13	2	DWF
66324 1999 JC_{55}	11.133		2−	SWF
66328*1999 JK_{58}	32.682	0.21−0.25	2	SWF
66335 1999 JZ_{61}	12.9620	0.47	3	
66340 1999 JX_{65}	>62.	>1.	2 HN	DWF
66346 1999 JU_{71}	5.233	0.14	2 A	
66351 1999 JU_{77}	5.444		2−	SWF
66360 1999 JQ_{89}	6.08734	0.23	2	DWF
66368 1999 JP_{98}	97.219	0.49	2	SWF
66372 1999 JV_{114}	8.02	0.60−0.69	3	SWF
66391 Moshup	2.7650	0.11−0.24	3 p B	
66403 1999 LM_{13}	10.1833	0.43	2	DWF
66413 1999 NX_{7}	19.1128	0.27	2	DWF
66419 1999 NR_{13}	56.71	0.80	3	
66429 1999 NQ_{38}	55.2257	0.20	2	DWF
66432 1999 NL_{46}	8.1009	0.39	3	
66440 1999 NF_{56}	24.5593	0.17	2	DWF
66447 1999 NG_{65}	17.5218	0.17	2	DWF
66451 1999 OS_{2}	S 3.345612		2 p N	LCI-W
66468 1999 RL_{17}	63.454	0.43−0.79	2	SWF
66469 1999 RL_{18}	2.86509	0.18	2	DWF
66485 1999 RX_{41}	25.2777	0.22	2	DWF
66491 1999 RG_{54}	2.868	0.39	2	SWF
66504 1999 RN_{81}	>3.72	>0.21		SWF
66524*1999 RQ_{102}	11.050	0.60−1.10	2	SWF
66527*1999 RD_{104}	5.008	0.28−0.48	2	SWF
66539 1999 RX_{117}	18.5202	0.23	2	DWF
66541 1999 RP_{118}	3.82913	0.28	2	DWF
66545 1999 RJ_{120}	14.8	0.79	2−	SWF
66559 1999 RB_{135}	7.30865	0.20	2	DWF
66562 1999 RO_{136}	>1.25	>0.15		SWF
66571 1999 RP_{147}	5.2075	0.49	2	DWF
66575 1999 RX_{152}	19.182	0.08	2	DWF
66583 Nicandra	6.457	0.07	2	
66584 1999 RM_{161}	9.06	0.11	2+	
66589 1999 RE_{168}	5.539		2−	SWF
66592 1999 RU_{174}	2.72946	0.13	2	DWF
66595 1999 RU_{178}	5.698	0.66−0.77	2	SWF
66606 1999 RK_{194}	>2.75	>0.30		SWF
66612 1999 RO_{199}	18.0557	0.29	2	DWF
66613 1999 RR_{199}	10.5443	0.36	2	DWF
66615 1999 RJ_{200}	207.485	0.49	2	DWF
66619 1999 RE_{203}	100.424	0.65	2	DWF
66625 1999 RE_{205}	13.128	0.39−0.44	2	SWF
66647 1999 RV_{237}	24.189	0.23	2	DWF
66652 Borasisi		<0.05	BH	
66656 1999 SV_{17}	>1.03	>0.31		SWF
66659*1999 TJ_{1}	4.825	0.15	2 A	
66676 1999 TS_{27}	18.1775	0.34	2	DWF
66678 1999 TR_{28}	5.449	0.45−0.61	2	SWF
66681 1999 TN_{33}	>1.15	>0.27		SWF
66690 1999 TH_{63}	>1.15	>0.20		SWF
66710 1999 TT_{96}	13.3083	0.29	2	DWF
66718 1999 TU_{104}	12.80	0.77	2− DA	SWF
66722 1999 TC_{107}	9.664	0.35−0.58	2	SWF
66732 1999 TW_{111}	8.55	0.60−0.70	2+	SWF
66738 1999 TJ_{120}	9.90	0.92	3−	SWF
66740 1999 TE_{122}	6.61077	0.33	2	DWF
66742 1999 TP_{123}	12.702	0.23	2	SWF
66744 1999 TM_{128}	7.89671	0.55	2	DWF
66759 1999 TU_{185}	3.209	0.29	2	SWF
66761 1999 TE_{187}	7.71253	0.17	2	DWF
66764*1999 TD_{190}	12.80	0.18−0.26	2	SWF
66765*1999 TJ_{191}	7.473	0.66−0.82	2	SWF
66770 1999 TH_{207}	75.9669	0.30	2	DWF
66775 1999 TS_{220}	138.288	0.49	2	SWF
66792 1999 TM_{233}	91.1311	0.20	2	DWF
66799 1999 TT_{267}	2.75492	0.32	2	DWF
66807 1999 TD_{288}	3.920	0.70	2	SWF
66824 1999 UM_{26}	9.681	0.27	2	SWF
66826 1999 UX_{36}	5.280	0.53	2	SWF
66832 1999 UE_{45}	6.5	0.16	2	
66850 1999 VX_{8}	9.495	0.41	2	SWF
66864 1999 VD_{44}	2.82303	0.23	2	DWF
66868 1999 VS_{47}	6.23	0.35	2	SWF
66875 1999 VY_{52}	2.148	0.25	2	DWF
66880 1999 VO_{66}	>5.48	>0.10		SWF
66889 1999 VW_{78}	10.7	0.07	1+	
66892 1999 VN_{87}	2.98085	0.17	2	DWF
66904 1999 VA_{160}	3.054	0.17	2	SWF
66931 1999 VL_{208}	>1.68	>0.57		SWF
66947 1999 XZ_{1}	22.0602	0.51	2	DWF
66958 1999 XO_{23}	3.370	0.08	1	SWF
66969 1999 XW_{54}	5.75	0.22	2−	SWF
66989 1999 XZ_{102}	4.85471	0.18	2	DWF
66996 1999 XJ_{113}	16.2723	0.33	2	DWF
66998 1999 XY_{113}	2.486	0.08	1	SWF
67005 1999 XZ_{120}	S 8.32669		2 p N	LCI-W
67008 1999 XD_{122}	4.123	0.35	2	SWF
67015 1999 XB_{126}	48.4536	0.32	2	DWF
67017 1999 XV_{132}	11.018	0.27	2	SWF
67018 1999 XY_{133}	3.70	0.14	2	SWF
67038 1999 XC_{182}	7.69135	0.23	2	DWF
67040 1999 XL_{187}	63.3541	0.26	2	DWF
67059 1999 XZ_{229}	16.8191	0.44	2	DWF

Planet	Period	Variation	Note	Survey
67087 2000 AL_{51}	17.7	0.50	2 H	DWF
67090 2000 AC_{52}	100.23	0.38	2 A	DWF
67094 2000 AC_{62}	>1.35	>0.23		SWF
67117 2000 AA_{117}	S 70.564		2 p N	LCI-W
67139 2000 AK_{165}	94.2666	0.40	2	DWF
67148 2000 AG_{186}	6.1178	0.52	2	DWF
67158 2000 AX_{199}	8.893	0.66	2	SWF
67160 2000 AT_{200}	153.13	0.26	2	DWF
67164 2000 AJ_{229}	3.14581	0.20	2	DWF
67168 2000 AX_{237}	7.29062	0.13	2	DWF
67169 2000 AV_{241}	10.7245	0.61	2	DWF
67175*2000 BA_{19}	275.	0.25−0.35	2+ B?	
67186 2000 CF_{25}	S 5.55259		2 p N	LCI-W
67209 2000 DN_{26}	3.767	0.35−0.40	2	SWF
67210 2000 DF_{29}	S 6.72473		2 p N	LCI-W
67225 2000 DM_{101}	16.6288	0.17	2	DWF
67244 2000 EH_{58}	11.579	0.40−0.48	2	SWF
67255 2000 ET_{109}	3.70	0.27	2	
67271 2000 FW_{19}	4.50649	0.50	2	DWF
67274 2000 FA_{41}	>1.15	>0.56		SWF
67290 2000 GD_{54}	>1.15	>0.29		SWF
67298 2000 GD_{91}	7.685	0.61	2 p	SWF
67299 2000 GS_{95}	28.439	0.36	2	SWF
67301 2000 GR_{114}	4.60259	0.23	2	DWF
67324 2000 HC_{69}	S 7.78982		2 p N	LCI-W
67327 2000 HD_{76}	4.582	0.11	2	SWF
67329 2000 HV_{77}	2.70282	0.17	2	DWF
67333 2000 HG_{103}	S 25.7624		2 p N	LCI-W
67354 2000 KM_{1}	5.76	0.52	2−	
67357 2000 KS_{15}	8.35	0.82	2	SWF
67362 2000 KV_{70}	15.6709	0.20	2	DWF
67368 2000 LH_{33}	4.24156	0.14	2	DWF
67371 2000 NM_{5}	11.6694	0.21	2	DWF
67377 2000 OW_{1}	6.44	0.16	2	SWF
67385 2000 OU_{21}	4.56651	0.19	2	DWF
67392 2000 OW_{57}	50.8667	0.18	2	DWF
67393 2000 OX_{58}	15.660	0.51−0.58	2	SWF
67395 2000 PR	2.061	0.07	1	SWF
67400 2000 PW_{9}	5.1439	0.60	2	DWF
67401 2000 PS_{21}	251.216	0.44	2	DWF
67404 2000 PG_{26}	5.398	0.66−0.70	3 p	
67413 2000 QK_{50}	10.969	0.90	2	SWF
67432 2000 QN_{112}			HN	DWF
67438 2000 QU_{123}	6.14542	0.84	2	DWF
67441 2000 QU_{139}	5.043		2	SWF
67447 2000 QJ_{151}	54.142		2	SWF
67453 2000 QB_{172}	3.071	0.08	1	SWF
67466 2000 QJ_{217}	3.15	0.55−0.56	2+	SWF
67471 2000 RL_{4}	7.91985	0.54	2	DWF
67474 2000 RL_{7}	2.601	0.40	2	SWF
67493 2000 RR_{27}	7.005	0.86	2	SWF
67496 2000 RK_{31}	7.650	1.02	2	SWF
67498 2000 RW_{39}	6.24135	0.23	2	DWF
67500 2000 RM_{43}	2.973	0.29	2	SWF
67501 2000 RU_{43}	8.49011	0.17	2	DWF
67515 2000 RN_{62}	17.640	0.57	2	SWF
67525 2000 RW_{83}	16.	>0.3	2−	
67529 2000 RQ_{90}	5.562	0.38	2	SWF
67539 2000 SK_{4}	3.39	0.92	1	SWF
67540 2000 SX_{10}	34.8485	0.20	2	DWF
67549 2000 SL_{51}	49.4093	0.34	2	DWF
67551 2000 SF_{57}	5.516	0.67	2	SWF
67564 2000 SS_{87}	7.754		2	SWF
67569 2000 SN_{101}	9.517	0.46	2	SWF
67577 2000 SB_{112}	4.449	0.09	1	SWF
67578 2000 SO_{112}	156.584	0.89	2	SWF
67580 2000 SN_{117}	10.628		2−	SWF
67592 2000 SD_{138}	11.698	0.86	2	SWF
67600 2000 ST_{146}	3.985		2−	SWF
67605 2000 SE_{149}	5.90	1.07	2	SWF
67619 2000 SJ_{171}	5.32628	0.11	2	DWF
67622 2000 SJ_{176}	2.889	0.05	1	SWF
67631 2000 ST_{202}	9.961	0.72	2	SWF
67635 2000 SE_{211}	46.809	0.94	2	SWF
67662 2000 SF_{268}	8.934	0.73	2	SWF
67671 2000 SS_{275}	32.5036	0.36	2	DWF
67681*2000 SH_{293}	19.847	0.53−0.57	2	SWF
67705 2000 TY_{21}	2.82175	0.12	2	DWF
67709 2000 TE_{40}	19.6423	0.30	2	DWF
67711 2000 UB	63.9935	0.16	2	DWF

Planet	Period	Variation	Note	Survey
67713 2000 UF_{1}	6.808	0.67	2	SWF
67715 2000 UM_{3}	>0.90	>0.24		SWF
67721 2000 US_{14}	3.648	0.36	2	SWF
67722 2000 UE_{15}	7.684		2−	SWF
67727 2000 UH_{23}	63.2321	0.30	2	DWF
67732 2000 UA_{26}	107.688	0.35	2	DWF
67734 2000 UE_{26}	14.483	0.21	2	DWF
67742 2000 UP_{34}	4.718	0.29−0.49	2	SWF
67746 2000 UG_{40}	5.015	0.40	2	SWF
67751 2000 UF_{48}	3.3	0.26−0.36	2−	
67752 2000 UK_{48}	33.9744	0.18	2	DWF
67758 2000 UF_{55}	4.65924	0.21	2	DWF
67777 2000 UH_{81}	12.407	0.10	1	SWF
67779 2000 UU_{81}	26.0561	0.12	2	DWF
67786*2000 UX_{94}	14.0294	0.26	2	DWF
67792 2000 UD_{102}	5.701	0.08	1	SWF
67803 2000 VX_{7}	20.218		2−	SWF
67814 2000 VL_{26}	17.735		2−	SWF
67816 2000 VZ_{28}	4.024		2	SWF
67824 2000 VB_{39}	46.3288	0.27	2	DWF
67847 2000 WX_{6}	2.473	0.13	2	SWF
67851 2000 WN_{8}	4.95381	0.50	2	DWF
67856 2000 WL_{15}	2.6147	0.12	3	
67858 2000 WX_{20}	11.756	0.39−0.40	2	SWF
67864 2000 WD_{23}	7.69031	0.73	2	DWF
67869 2000 WP_{31}	164.689	0.26	2	DWF
67874 2000 WA_{36}	18.5385	0.16	2	DWF
67875 2000 WX_{36}	11.4264	0.17	2	DWF
67876 2000 WH_{37}	82.4292	0.49	2	DWF
67890 2000 WK_{61}	80.2745	0.68	2	DWF
67894 2000 WX_{69}	6.44202	0.54	2	DWF
67909*2000 WJ_{98}	13.567	0.11−0.38	2	SWF
67914 2000 WJ_{104}	10.5414	0.07	2	DWF
67917 2000 WU_{109}		0.98		SWF
67932 2000 WX_{125}	6.95271	0.20	2	DWF
67933 2000 WR_{127}	6.652	0.74	2	SWF
67944 2000 WB_{152}	5.28001	1.18	2	DWF
67949 2000 WY_{159}	4.42	0.82	2	SWF
67952 2000 WH_{166}	13.611	0.74	2	SWF
67956 2000 WW_{167}	77.0651	0.41	2	DWF
67976 2000 XA_{7}	26.4765	0.12	2	DWF
67979 Michelory	5.335	0.18	2	SWF
67983 2000 XY_{16}	14.590	0.50−0.57	2	SWF
67986 2000 XJ_{17}	7.933	0.37	2	SWF
67995 2000 XU_{25}	9.489		2	SWF
67997 2000 XA_{29}	8.007	0.83	2	SWF
68002 2000 XK_{34}	50.6285	0.31	2	DWF
68014 2000 YF_{10}	33.2735	0.23	2	DWF
68016 2000 YW_{10}	12.3952	0.21	2	DWF
68023 2000 YW_{18}	58.8857	0.21	2	DWF
68031 2000 YK_{29}	2.55	0.06	3−	
68038 2000 YP_{39}	5.8743	0.26	2	DWF
68044 2000 YX_{42}	4.36423	0.40	2	DWF
68045*2000 YN_{44}	4.35	0.17−0.25	2+	
68063 2000 YJ_{66}	2.1102	0.14	3− B	
68081 2000 YQ_{97}	12.97	0.42	2	SWF
68099 2000 YX_{118}	4.018	0.71	2	SWF
68127 2001 AZ_{15}	16.9694	0.22	2	DWF
68130 2001 AO_{17}	10.479	0.13	2	DWF
68134*2001 AT_{18}	7.104	1.13−1.16	3	
68140 2001 AA_{27}	6.3302	0.42	2	DWF
68143 2001 AK_{36}	78.8859	0.63	2	DWF
68147 2001 AW_{44}	S 5.44099		2 p N	LCI-W
68167 2001 BV_{28}	2.53	0.17	2	SWF
68176 2001 BK_{46}	36.0098	0.17	2	DWF
68181 2001 BK_{49}	5.0366	0.82	3	
68191 2001 BG_{60}	11.1178	0.16	2	DWF
68204 2001 BR_{80}	3.72	0.23	2	SWF
68216*2001 CV_{26}	2.4290	0.08−0.36	3 B?	
68219 2001 CJ_{38}	8.69846	0.38	2	DWF
68223 2001 DJ	30.7531	0.50	2	DWF
68227 2001 DZ_{20}	6.58	0.74	2	SWF
68233 2001 DY_{35}	3.66	0.21	2−	SWF
68241 2001 DT_{59}	10.8709	0.16	2	DWF
68242 2001 DW_{59}	4.897	0.09	1	SWF
68252 2001 DP_{89}	5.51823	0.29	2	DWF
68262*2001 EW_{9}	8.27175	0.70	2 p A	DWF
68266 2001 ES_{14}	S 39.8480		2 p N	LCI-W
68267 2001 EA_{16}	3.5	0.20	1	
68278*2001 FC_{7}	4.230	0.13−0.22	2	

Planet	Period	Variation	Note	Survey
68280 2001 FR_8	250.99	0.92	2	DWF
68286 2001 FP_{22}	>1.15	>0.15		SWF
68293 2001 FF_{49}	61.6678	0.32	2	DWF
68294 2001 FN_{49}	5.58671	0.27	2	DWF
68296 2001 FN_{75}	35.6194	0.41	2	DWF
68299 2001 FH_{82}	14.858	0.15	2	DWF
68313 2001 FK_{118}	5.964	0.66	2	SWF
68339 2001 KR_{24}	5.472	0.60	2	SWF
68346 2001 KZ_{66}	4.987	0.35−0.77	3	
68347 2001 KB_{67}	6.354	0.19	3	
68348 2001 LO_7	3.3313	0.08−0.30	3	
68350*2001 MK_3	3.21082	0.17−0.20	3	
68359 2001 OZ_{13}	2.91031	0.20	2	DWF
68373 2001 PP_{13}	6.88442	0.18	2	DWF
68378 2001 PK_{37}	4.65491	0.10	2	DWF
68400 2001 QM_{91}	890.185	0.60	2	DWF
68404 2001 QX_{108}	9.951	0.16	2	SWF
68410 Nichols	6.912	0.48	2	SWF
68414 2001 QZ_{219}	3.3368	0.27	3	
68422 2001 QJ_{296}	3.82	0.68	2	SWF
68434 2001 RZ_{76}	2.54213	0.11	2	DWF
68435 2001 RF_{81}	6.5	0.82	2+	
68436 2001 RC_{85}	S 8.42749		2 p N	LCI-W
68439 2001 RB_{104}	S 7.59213		2 p N	LCI-W
68447 2001 RP_{148}	13.1743	0.54	2	DWF
68452 2001 SA_{36}	>1.97	>0.13		SWF
68469 2001 SC_{253}	>3.95	>0.31		SWF
68480 2001 TQ_{49}	2.6982	0.40	1 NA	
68483 2001 TG_{129}	>1.00	>0.11		SWF
68495 2001 UF_{21}	6.459	0.83	2	SWF
68496 2001 UD_{33}	13.9867	0.46	2	DWF
68506 2001 UW_{121}	4.864	0.83	2	SWF
68507 2001 US_{122}	34.0795	0.20	2	DWF
68513 2001 UL_{167}	S 5.76099		2 p N	LCI-W
68517 2001 UC_{214}	25.2244	0.18	2	DWF
68518 2001 VM_{14}	7.16	0.12	2	SWF
68534 2001 VT_{95}	35.038	0.27	2	DWF
68537 2001 VC_{123}	2.997	0.16	3	
68547 2001 XW_{29}	36.7	0.60	3− T+	
68553 2001 XF_{68}	3.13	0.22	2+	
68571 2001 YR_{10}	20.1013	0.60	2	DWF
68588 2002 AF_{10}	53.5264	0.56	2	DWF
68594 2002 AJ_{37}	20.8321	0.19	2	DWF
68602 2002 AB_{82}	94.1845	0.48	2	DWF
68617 2002 AL_{159}	S 12.37150		2 p N	LCI-W
68666 2002 CN_{104}	142.557	0.42	2	DWF
68671 2002 CC_{112}	93.7844	0.40	2	DWF
68711 2002 CV_{244}	4.494	0.64	2	SWF
68719 Jangyeongsil	S 61.336		2 p N	LCI-W
68731 2002 ES_{16}	537.406	0.24	2	DWF
68735 2002 ET_{26}	16.228	0.28	2	SWF
68741 2002 EM_{40}	179.058	0.24	2	DWF
68744 2002 EV_{43}	7.451	0.30	2	SWF
68781 2002 FN_7	16.9077	0.60	2	DWF
68806 2002 GR_{40}	5.764	0.21	2	SWF
68808 2002 GR_{50}	7.87278	0.32	2	DWF
68825 2002 GH_{81}	9.395	0.64−0.65	2	SWF
68872 2002 JP_{36}	101.199	0.39	2	DWF
68877 2002 JW_{42}	6.35568	0.69	2 A	DWF
68885 2002 JY_{70}	50.1356	0.19	2	DWF
68905 2002 JZ_{104}	4.23	0.14	2 N	
68918 2002 KZ_9	7.775	0.08	1	SWF
68922 2002 LW_{12}	44.4523	0.20	2	DWF
68925 2002 LP_{49}	42.968	0.22	2	DWF
68927 2002 NB_{28}	6.988	0.50	2	SWF
68943 2002 PZ_{126}	50.5742	1.96	2	DWF
68950*2002 QF_{15}	45.24	0.36	2 A	
68969 2002 RW_{101}	5.394	0.73	2	SWF
68972 2002 RJ_{106}	5.24964	0.87	2	DWF
68996 2002 TN_{135}	17.545		2−	SWF
69016 2002 UX_{32}	4.084	0.52−0.69	2	SWF
69017 2002 UK_{49}	25.7955	0.14	2	DWF
69018 2002 VH_{24}	7.498	0.83	2	SWF
69020 2002 VU_{51}	8.16966	0.62	2	DWF
69026 2002 VL_{93}	288.075	0.63	2	SWF
69035 2002 XR_{30}	599.664	0.66	2	DWF
69047 2002 XM_{68}	100.08	0.42	2	DWF
69068 2003 AO_{32}	2.87	0.13	2	SWF
69069 2003 AR_{37}	23.4256	0.14	2	DWF
69075 2003 AZ_{52}	S 10.88813		2 p N	LCI-W
69076 2003 AC_{53}	4.829	0.63	2	SWF
69080 2003 AA_{62}	73.9878	1.09	2	DWF
69081 2003 AZ_{64}		0.15	N	
69091 2003 BE_{25}	34.8569	0.22	2	DWF
69092 2003 BQ_{25}	6.347	0.10	1	SWF
69108 2003 CH_8	28.4677	0.46	2	DWF
69117 2003 EX_2	S 4.74608		2 p N	LCI-W
69129 2003 FG_{21}	89.8412	0.22	2	DWF
69135 2003 FP_{74}	>0.95	>0.23		SWF
69139 2003 FH_{91}	36.1329	0.23	2	DWF
69142 2003 FL_{115}	7.389	0.43−0.56	3 p	
69144 2003 FU_{115}	>4.35	>0.40		SWF
69152 2003 GL_{50}	254.985	0.23	2	DWF
69153 2003 HJ_{22}	>3.72	>0.08		SWF
69168 3515 *P–L*	S 4.527668		2 p N	LCI-W
69216 1108 *T–3*	13.880	0.48	2	SWF
69228 Kamerunberg	23.384	0.63	2	SWF
69230 Hermes	13.894	0.06−0.08	3 B	
69241 1979 MX_3	5.569	0.09	1	SWF
69245 Persiceto	6.271	0.67	2	SWF
69253*1981 EX_{35}	10.967	0.48−1.00	2	SWF
69262 1986 PV_6	4.256	0.61	2	SWF
69267 1988 RO_6	S 6.44372		2 p N	LCI-W
69276 1989 YH_8	48.694	0.59	2	DWF
69294 1991 PU_9	5.962	0.62	2	
69296 1992 BM_4	16.00	0.29	2	SWF
69298*1992 DR_9	10.948	0.23−0.28	2+	
69305 1992 EJ_{14}	3.318	0.27	2	SWF
69315 1992 UR_2	105.757	0.55	2	DWF
69317 1993 FB_{20}	106.25	1.50	3−	
69324 1993 FY_{46}	>1.90	>0.20		SWF
69332 1993 LJ_1	7.60893	0.30	2	DWF
69342 1993 TT_{19}	10.878	0.67	2	SWF
69346 1993 TV_{32}	41.404	0.69	2	SWF
69350 1993 *YP*	31.79	0.45−0.95	2 AT?	
69354 1994 CZ_2	9.304	0.81	2	SWF
69377 1994 WJ_3	4.262	0.28	2	SWF
69406 1995 SX_{48}	4.49	0.10−0.19	3 B?	
69410 1995 UB_3	6.81	0.78	3−	SWF
69420 1995 YA_1	186.944	0.70	2	SWF
69437 1996 KW_2	3.64	0.08	1	
69439 1996 *PX*	6.71768	0.47	2	DWF
69452 1996 TL_5	9.80	0.32	2	
69453*1996 TG_{11}	6.121	0.27−0.54	2	SWF
69457 1996 TP_{36}	15.6394	0.66	2	DWF
69459 1996 TX_{62}	15.532	0.65	2	SWF
69460 Christibarnard	6.388	0.49	2	SWF
69475 1996 XE_9	34.6298	0.22	2	DWF
69487 1997 AZ_2	5.594	0.18	2	SWF
69493 1997 AO_{12}	74.5365	0.25	2	DWF
69494 1997 AF_{15}	23.8512	0.16	2	DWF
69508 1997 ET_2	48.702	0.22	2	SWF
69521 1997 GY_2	>5.40	>0.56		SWF
69524 1997 GM_7	>48.	>1.3		SWF
69560 1997 UW_{14}	3.50	0.41	2	SWF
69561 1997 YD_2	43.64	0.97	2	SWF
69562 1997 YU_6	22.0155	0.21	2	DWF
69568 1998 BK_{12}	229.867	0.27	2	DWF
69569 1998 BU_{12}	9.969	0.45	2	SWF
69571 1998 BJ_{25}	2.645	0.06	1	SWF
69595 1998 FK_{11}	6.67	0.68	3−	SWF
69596 1998 FT_{14}	7.02	0.58	2	SWF
69597 1998 FQ_{15}	7.62	0.81	2	SWF
69608 1998 FJ_{42}	8.07	0.43	2	SWF
69641 1998 FQ_{77}	6.004	0.23	2	SWF
69643 1998 FY_{77}	6.477		2	SWF
69653 1998 FT_{101}	188.039	0.32	2	SWF
69658*1998 FC_{114}	2.73	0.14−0.23	2	SWF
69661 1998 FZ_{117}	16.5	1.46	2−	SWF
69666 1998 FC_{123}	422.755	0.63	2	DWF
69672 1998 GX_7	5.70243	0.69	2	DWF
69676 1998 HV_{13}	9.02727	0.46	2	DWF
69685 1998 HD_{22}	6.52349	0.42	2	DWF
69688 1998 HD_{25}	61.6477	0.54	2	DWF
69690 1998 HL_{30}	6.081		2−	SWF
69706 1998 HJ_{77}	13.06	0.34	1 DA	SWF
69716 1998 HG_{105}	>5.40	>0.10		SWF
69727*1998 HD_{145}	>2.32	>0.35		SWF
69730 1998 HF_{149}	>1.15	>0.25		SWF
69731 1998 HP_{152}	53.651	0.60	2	SWF

Planet	Period	Variation	Note	Survey
69740 1998 KK_{26}	S 28.4570		2 p N	LCI-W
69753 1998 ML_{34}	6.8	0.25	2−	SWF
69758 1998 OP_{10}	5.823	0.59−0.69	2	SWF
69759 1998 OT_{10}	>41.	>0.6	2 HN	DWF
69777 1998 QJ_{49}	14.0408	0.21	2	DWF
69779 1998 QZ_{53}	52.726	0.09	1	SWF
69784 1998 QP_{70}	8.03	0.27	2	SWF
69794 1998 QM_{104}	5.7894	0.25	2	DWF
69802 1998 RX_{15}	5.3	0.45−0.48	2	SWF
69805 1998 RF_{23}	5.966	0.46−0.56	2	SWF
69807 1998 RE_{24}	3.93	0.64	2	SWF
69811 1998 RC_{47}	11.7732	0.21	2	DWF
69819 1998 RK_{62}	5.829	0.51	2	SWF
69823 1998 RQ_{68}	4.338		2−	SWF
69844 1998 SY_{22}	3.341	0.39	2	SWF
69848 1998 SQ_{35}	8.64	0.26	1 DA	SWF
69853 1998 SP_{53}	8.17	0.45	1+ H	DWF
69858 1998 SM_{57}	93.169	0.37	2	SWF
69873 1998 SB_{71}	6.33419	0.77	2	DWF
69880 1998 SQ_{81}	7.675	0.08	2+	
69885 1998 SD_{100}	32.313	0.23	2	DWF
69892 1998 SF_{114}	3.37954	0.50	2	DWF
69917 1998 TF	75.3759	0.22	2	DWF
69926 1998 TZ_{31}	22.86	0.28	2	SWF
69934 1998 US_{13}	25.112	0.46	2	SWF
69944 1998 UM_{35}	5.581	0.66	2	SWF
69958 1998 VP_{29}	>0.88	>0.51		SWF
69967 1998 VS_{49}	7.44	0.86	1+	SWF
69971*Tanzi	32.540	0.44	2+ p	
69998 1998 XD	6.10563	0.78	2	DWF
69999 1998 XN	168.589	0.56	2	DWF
70026 1999 BO_{3}	125.412	0.35	2	DWF
70030 Margaretmiller	4.3292	0.41−0.50	3 B?	
70033 1999 CO_{20}	>0.92	>0.32		SWF
70034*1999 CY_{35}	16.269	0.30−0.47	2	SWF
70038 1999 CF_{80}	S 5.46337		2 p N	LCI-W
70042 1999 CZ_{122}	S 9.34364		2 p N	LCI-W
70045 1999 DA_{5}	14.178	0.50	2	SWF
70049 1999 GV_{35}	4.889	0.85	2	SWF
70050 1999 GG_{44}	3.142	0.24	2	DWF
70062 1999 JH_{40}	>5.42	>0.21		SWF
70069 1999 JT_{49}	6.252	0.55−0.57	2	SWF
70072 1999 JO_{52}	5.213		2−	SWF
70078 1999 JU_{59}	5.012	0.12	2	SWF
70084 1999 JJ_{65}	4.18461	0.28	2	DWF
70085 1999 JD_{68}	4.950	0.71	2	SWF
70091 1999 JN_{93}	>32.	>0.22	2	
70126 1999 NT_{2}	5.41	0.83	3−	
70128 1999 NF_{4}	6.31709	0.31	2	DWF
70139 1999 NK_{11}	>5.42	>0.08		SWF
70141 1999 NE_{18}	20.8783	0.16	2	DWF
70148 1999 NT_{26}	49.162		2−	SWF
70152 1999 NX_{33}	6.138		2−	SWF
70156 1999 NR_{37}	>3.37	>0.06		SWF
70162 1999 NV_{46}	>5.28	>0.09		SWF
70165 1999 NT_{49}	6.69	0.17	2	SWF
70169 1999 NX_{64}	4.42	0.15	2−	SWF
70171 1999 OL_{2}		0.17	N	
70172 1999 OQ_{4}	5.7394	1.10	3	SWF
70175 1999 PU_{4}	5.133		2−	SWF
70191 1999 RY_{11}	8.97	0.35	2	SWF
70197 1999 RS_{18}	11.9267	0.13	2	DWF
70199 1999 RL_{22}	6.738	0.21	2	SWF
70202 1999 RR_{24}	6.505	0.82	2	SWF
70203 1999 RE_{25}	23.916		2−	SWF
70214 1999 RU_{40}	12.788	0.08	1	SWF
70275 1999 RJ_{109}	61.870	0.09	1	SWF
70296 1999 RZ_{127}	4.923	0.09	1	SWF
70297 1999 RG_{129}	5.186	0.29	2	SWF
70299 1999 RM_{129}	6.531	0.67	2	SWF
70301*1999 RZ_{130}	9.561	0.33−0.37	2	SWF
70304 1999 RE_{133}	41.617	0.47	2	SWF
70306*1999 RL_{134}	7.550	0.58−0.64	2	SWF
70308 1999 RO_{135}	123.521	1.67	2	DWF
70329 1999 RY_{163}	5.234	0.73	2	SWF
70332 1999 RF_{166}	53.206	0.64	2	DWF
70333*1999 RA_{168}	9.449	0.39−0.62	2	SWF
70349 1999 RV_{180}	9.180	0.42	2	SWF
70363 1999 RJ_{193}	6.06749	0.36	2	DWF
70364 1999 RN_{194}	2.165	0.05	1	SWF

Planet	Period	Variation	Note	Survey
70377 1999 RE_{211}	2.222	0.06	1	SWF
70394 1999 RP_{237}	210.932	0.40	2	DWF
70401 Davidbishop	4.794	0.50	2	SWF
70404 1999 RR_{245}	17.378	0.78	2	SWF
70406 1999 RT_{252}	45.7282	0.22	2	DWF
70409 Srnín	9.72471	0.24	2	DWF
70410 1999 SE_{3}	2.5895	0.13−0.14	3	
70411 1999 SF_{3}	2.8420	0.20	3	
70412 1999 SM_{4}	635.967	0.29	2	DWF
70413 1999 SJ_{5}	9.90	0.15	2	SWF
70414 1999 SF_{6}	4.311		2−	SWF
70416 1999 ST_{11}	27.589		2−	SWF
70425 1999 SJ_{26}	>1.15	>0.06		SWF
70426 1999 TN	15.7876	0.22	2	DWF
70439 1999 TE_{7}	>1.33	>0.06		SWF
70453 1999 TS_{19}	2.68188	0.13	2	DWF
70460 1999 TQ_{26}	4.63	0.38	2	SWF
70477 1999 TC_{38}	3.74421	0.19	2	DWF
70478 1999 TN_{40}	12.125	0.50	2	SWF
70500 1999 TR_{95}	6.87527	0.17	2	DWF
70511*1999 TL_{103}	2.8414	0.14	2	
70512 1999 TM_{103}	4.282		2	SWF
70517 1999 TU_{105}	>12.	>0.2		
70538 1999 TD_{122}	9.68668	0.21	2	DWF
70553 1999 TK_{139}	>1.13	>0.56		SWF
70554 1999 TS_{139}	15.79	0.19	2	SWF
70559 1999 TD_{143}	6.446	0.09	1	SWF
70580 1999 TN_{164}	33.6502	0.44	2	DWF
70615 1999 TZ_{204}		0.86		SWF
70631 1999 TY_{219}	49.6926	0.50	2	DWF
70634 1999 TR_{223}	62.0383	0.82	2	DWF
70650 1999 TM_{247}	5.03237	0.62	2	DWF
70662 1999 TR_{282}	8.00	0.42	2	SWF
70693 1999 UR_{23}	3.05103	0.26	2	DWF
70707 1999 UC_{42}	55.1899	0.14	2	DWF
70726 1999 VS_{2}	18.3384	0.45	2	DWF
70740 1999 VG_{18}	4.53	0.76	2	SWF
70741 1999 VO_{18}	13.33	0.33	2	SWF
70742 1999 VF_{19}	>0.92	>0.13		SWF
70750 1999 VJ_{24}	6.1194	0.25	2	DWF
70759 1999 VP_{30}	41.8286	0.37	2	DWF
70762 1999 VZ_{32}	53.1941	0.30	2	DWF
70799 1999 VY_{55}	3.4	0.23	2	
70803 1999 VH_{62}	8.45657	0.27	2	DWF
70804 1999 VL_{62}	6.58	0.75	2	SWF
70845 1999 VO_{106}	6.82	0.23	2	SWF
70858 1999 VH_{126}	>1.88	>0.17		SWF
70867 1999 VA_{150}	3.79	0.68	2	SWF
70872 1999 VP_{157}	S 15.4956		2 p N	LCI-W
70907 1999 VB_{186}	>5.38	>0.18		SWF
70917 1999 VN_{195}	4.52	0.34	2	SWF
70918 1999 VY_{195}	3.202	0.09	1	SWF
70924 1999 VC_{205}	3.93	0.23	2	SWF
70927 1999 VX_{210}	6.6	0.60	2	
70938 1999 WZ_{3}	7.188		2	SWF
70957 1999 XQ_{5}	S 7.51103		2 p N	LCI-W
70970 1999 XH_{20}	9.854	0.09	1	SWF
70973 1999 XY_{20}	S 13.28886		2 p N	LCI-W
70980 1999 XA_{25}	14.467	0.15	2	DWF
70982 1999 XJ_{25}	57.1019	0.34	2	DWF
71001 Natspasoc	3.15	0.18	2	
71009 1999 XY_{44}	5.2175	0.50	2	DWF
71011 1999 XE_{45}	S 4.69449		2 p N	LCI-W
71027 1999 XS_{62}	S 14.43339		2 p N	LCI-W
71031 1999 XE_{68}	20.187	0.39	2	
71038 1999 XL_{73}	318.21	0.36	2	DWF
71039 1999 XZ_{73}	3.23	0.42	2	SWF
71040 1999 XG_{74}	>0.85	>0.08		SWF
71041 1999 XQ_{74}	161.29	0.21	2	DWF
71096 1999 XR_{136}	240.457	0.22	2	DWF
71103 1999 XN_{144}	8.46931	0.19	2	DWF
71119 1999 XJ_{161}	42.9403	0.41	2	DWF
71135 1999 XM_{178}	4.2833	0.19	2	DWF
71136 1999 XV_{178}	S 68.985		2 p N	LCI-W
71143 1999 XR_{181}	12.566	0.26	2	DWF
71145 1999 XA_{183}	12.0	0.15	2−	
71148 1999 XV_{184}	18.7652	0.25	2	DWF
71155 1999 XP_{193}	5.22892	0.41	2	DWF
71168 1999 XQ_{204}	36.9234	0.34	2	DWF
71174 1999 XO_{210}	164.274	0.19	2	DWF

Planet	Period	Variation	Note	Survey
71180 1999 XG_{214}	3.36736	0.15	2	DWF
71184 1999 XJ_{217}	4.40	0.69	2	SWF
71188 1999 XH_{224}			HN	DWF
71191 1999 XX_{229}	34.0208	0.49	2	DWF
71230 1999 YR_{17}	756.897	0.51	2	DWF
71256 2000 AV_{16}	S 34.1474		2 p N	LCI-W
71266 2000 AC_{28}	10.55	1.07	2	SWF
71279 2000 AX_{45}	8.20	0.39−0.43	2	SWF
71280*2000 AZ_{46}	37.02	0.31	2	
71291 2000 AS_{56}	4.11978	0.61	2	DWF
71295 2000 AG_{59}	S 7.46045		2 p N	LCI-W
71314 2000 AW_{76}	5.65	0.81	2	SWF
71316 2000 AA_{78}	66.4419	0.14	2	DWF
71317 2000 AY_{78}	21.5668	0.38	2	DWF
71339 2000 AR_{99}	13.3032	0.14	2	DWF
71340 2000 AW_{99}	265.704	0.12	2	DWF
71349 2000 AP_{107}	13.5235	0.27	2	DWF
71366 2000 AU_{135}	5.05	0.61	3	SWF
71368 2000 AX_{137}	S 4.662272		2 p N	LCI-W
71375 2000 AT_{141}			HN	DWF
71428 2000 AZ_{199}	98.8961	0.45	2	DWF
71433 2000 AE_{203}	36.1424	0.53	2	DWF
71434*2000 AJ_{205}	5.71	0.38−0.84	2	SWF
71439 2000 AF_{214}	132.977	0.19	2	DWF
71441 2000 AR_{226}	10.43	0.36	2	SWF
71446 2000 AP_{237}	3.53445	0.11	2	DWF
71447 2000 AY_{239}	2.88	0.17	2−	SWF
71493 2000 CF_{13}	2.65	0.36	2	SWF
71494 2000 CH_{14}	175.608	0.36	2	DWF
71544 2000 CD_{123}			HN	DWF
71559 2000 DU_{22}		0.05		SWF
71569 2000 DG_{40}	2.74	0.52	2	SWF
71596 2000 DG_{80}	560.245	0.63	2	DWF
71597 2000 DD_{83}	5.32076	0.29	2	DWF
71606 2000 DY_{101}	S 10.75111		2 p N	LCI-W
71617*2000 EM_{28}	3.64792	0.47	2 p	DWF
71626 2000 ER_{66}	44.856		2−	SWF
71636 2000 EF_{83}	4.57413	0.56	2	DWF
71665 2000 EB_{143}	33.7912	0.37	2	DWF
71673 2000 EZ_{166}	44.6026	0.19	2	DWF
71680 2000 EJ_{201}	117.876	0.11	2	DWF
71687 2000 FY_{31}	34.2542	0.28	2	DWF
71718 2000 GV_{124}	25.8572	0.26	2	DWF
71729 2000 HQ_{91}	173.609	0.26	2	DWF
71734 2000 LX_{9}	6.27	0.20	2	
71748 2000 QD_{182}	2.313	0.07	1	SWF
71765 2000 SU_{4}	70.72	0.23	2	
71782 2000 SC_{160}	5.16573	0.60	2	DWF
71788 2000 ST_{180}	60.6497	0.36	2	DWF
71832 2000 UQ_{63}	5.35657	0.20	2	DWF
71851 2000 UN_{104}	32.252	0.21	2	DWF
71868 2000 VX_{30}	51.9364	0.87	2	DWF
71875 2000 VT_{48}	4.64	0.27	2	SWF
71879 2000 VS_{50}	115.47	0.72	2	DWF
71885 Denning	83.6639	0.64	2	DWF
71897 2000 WQ_{14}	7.004		2−	SWF
71901 2000 WS_{23}	23.8462	0.15	2	DWF
71903 2000 WO_{25}	229.766	0.20	2	DWF
71905 2000 WF_{27}	22.055	0.42	2	DWF
71916 2000 WV_{48}	2.83708	0.10	2	DWF
71923 2000 WB_{56}	65.9937	0.23	2	DWF
71926 2000 WN_{59}	>1.97	>0.16		SWF
71928 2000 WB_{61}	4.342		2−	SWF
71933 2000 WW_{61}	3.37	0.11−0.13	2	
71946 2000 WS_{87}	39.495		2−	SWF
71950 2000 WN_{98}	66.548		2−	SWF
71956 2000 WH_{107}	7.10755	0.48	2	DWF
71968 2000 WE_{120}	203.058	0.64	2	DWF
71983 2000 WG_{157}	208.493	0.22	2	DWF
71992 2000 WF_{169}	366.599	0.76	2	DWF
72005 2000 XV_{6}	6.50142	0.72	2	DWF
72007 2000 XM_{7}	4.89	0.25	2	
72011 2000 XL_{10}	35.1273	0.28	2	DWF
72017 2000 XK_{13}	4.0807	>0.29	3−	DWF
72030 2000 XK_{33}	6.85188	0.23	2	DWF
72036 2000 XM_{44}	2.5820	0.12	3 BN	
72052 2000 YW_{7}	27.1492	0.16	2	DWF
72061 2000 YX_{16}			HN	DWF
72069 2000 YD_{29}			HN	DWF
72070 2000 YC_{33}	13.966	0.08	1	SWF
72080 2000 YY_{39}	>5.10	>0.46		SWF
72094 2000 YM_{47}	132.89	0.91	2	DWF
72096 2000 YA_{48}			HN	DWF
72098 2000 YY_{49}	16.3548	0.33	2	DWF
72099 2000 YQ_{50}	8.21	0.39	2+	SWF
72109 2000 YF_{55}			HN	DWF
72115 2000 YQ_{61}	4.7369	0.34	2	DWF
72121 2000 YT_{63}	16.341	0.08	1	SWF
72124 2000 YX_{67}	43.4334	0.25	2	DWF
72127 2000 YS_{71}	5.696		2	SWF
72136 2000 YG_{80}	27.7024	0.39	2	DWF
72168 2000 YL_{107}	4.03	0.49	3	SWF
72179 2000 YH_{113}	2.99	0.31	2	SWF
72186 2000 YH_{118}	10.031	0.10	1	SWF
72199 2000 YM_{132}	2.96139	0.33	2	DWF
72209 2000 YD_{143}	4.9551	0.34	2	DWF
72217 2001 AQ_{5}	17.4063	0.20	2	DWF
72230 2001 AN_{15}	122.26	0.61	2	DWF
72246 2001 AL_{26}	5.43452	0.35	2	DWF
72255 2001 AZ_{31}	6.387	0.09	1	SWF
72262 2001 AD_{35}	165.007	0.22	2	DWF
72276 2001 AN_{45}	6.12	0.99	2	SWF
72277 2001 AZ_{49}	24.6613	0.26	2	DWF
72278 2001 AZ_{51}	4.58926	0.40	2	DWF
72290*2001 BQ_{15}	5.6657	0.18−0.81	2 A	
72295 2001 BO_{24}	2.145	0.07	1	SWF
72302 2001 BD_{31}	2.45	0.13	2−	SWF
72308 2001 BZ_{34}	177.523	0.60	2	DWF
72320 2001 BW_{47}	2.30	0.16	2	SWF
72322 2001 BB_{49}	85.7556	0.76	2	DWF
72328 2001 BP_{59}	64.47	0.39	2	DWF
72350 2001 BG_{71}	11.0345	0.27	2	DWF
72352 2001 BK_{72}	21.82	0.51	1	SWF
72358 2001 BH_{76}	20.9028	0.19	2	DWF
72366 2001 CO	45.2779	0.50	2	DWF
72388 2001 CC_{16}	S 4.565042		2 p N	LCI-W
72393 2001 CH_{18}	4.9		2 N	
72396 2001 CU_{20}	8.0467	0.1	2	
72409 2001 CV_{27}	S 4.457836		2 p N	LCI-W
72423 2001 CS_{38}	6.869		2−	SWF
72431 2001 CD_{42}	74.6845	0.25	2	DWF
72451 2001 DW_{5}	8.21	0.93	2	SWF
72469 2001 DW_{27}	13.33	0.56	2	SWF
72495 2001 DX_{59}	>3.32	>0.20		SWF
72568 2001 EZ_{12}	22.8907	0.13	2	DWF
72571 2001 ED_{14}	5.26367	0.29	2	DWF
72610 2001 FJ_{18}	99.4922	0.21	2	DWF
72621 2001 FJ_{25}	16.5338	0.31	2	DWF
72622 2001 FE_{26}	S 10.38380		2 p N	LCI-W
72653 2001 FA_{45}	7.33	0.67	2	SWF
72659 2001 FV_{46}	>0.98	>0.71		SWF
72661 2001 FB_{48}	9.77967	0.14	2	DWF
72668 2001 FG_{51}	7.27	0.94	3−	SWF
72675 2001 FP_{54}	2.50	0.38	2	
72682 2001 FV_{63}	S 3.765570		2 p N	LCI-W
72693 2001 FS_{72}	2.87	0.20	2	
72713 2001 FQ_{86}	11.90	0.69	2	SWF
72717 2001 FA_{88}	9.46	0.53	1 DA	SWF
72719 2001 FT_{90}	31.891		2	SWF
72740 2001 FZ_{105}	100.923	0.69	2	DWF
72742 2001 FY_{108}	S 14.04860		2 p N	LCI-W
72799 2001 FC_{188}	4.37246	0.11	2	DWF
72805 2001 GN_{1}	69.7423	0.33	2	DWF
72807 2001 GG_{5}	3.28	0.36	1+	SWF
72810 2001 GJ_{7}	320.275	0.20	2	DWF
72823 2001 HO_{3}	141.392	0.09	1	SWF
72833 2001 HL_{15}	4.35129	0.19	2	DWF
72859 2001 HS_{46}	19.6123	0.16	2	DWF
72871 2001 JM_{3}	121.319	0.38	2	DWF
72887 2001 KE_{19}	>0.90	>0.32		SWF
72902 2001 KE_{71}	20.1742	0.15	2	DWF
72904 2001 KM_{74}	3.48	0.33	2	SWF
72907 2001 MY_{1}	42.9434	0.18	2	DWF
72915 2001 PK_{24}	258.833	0.43	2	DWF
72918 2001 RB_{134}	6.15	0.41	2	SWF
72939 2002 BA_{24}	26.1746	0.22	2	DWF
72967 2002 CH_{141}	4.18709	0.25	2	DWF
72970 2002 CZ_{174}	240.784	0.17	2	DWF
72979 2002 CN_{239}	25.0672	0.39	2	DWF
72992 2002 EM_{10}	40.8083	0.17	2	DWF

Planet	Period	Variation	Note	Survey
73025 2002 ER_{74}	4.956	0.10	1	SWF
73040 2002 EH_{92}	21.0406	0.33	2	DWF
73059 Kaunas	33.80	0.83	2	SWF
73066 2002 FV_{15}	6.14485	0.16	2	DWF
73083 2002 GK_{15}	6.76	0.76	2	SWF
73095 2002 GS_{20}	6.40798	0.38	2	DWF
73119 2002 GZ_{53}	42.6288	0.20	2	DWF
73125 2002 GJ_{63}	6.40	1.14	2	SWF
73135 2002 GG_{75}	15.714		2	SWF
73136 2002 GX_{75}	5.73939	0.24	2	DWF
73158 2002 GN_{138}	9.80124	0.33	2	DWF
73202 2002 JY_{14}	17.4427	0.17	2	DWF
73213 2002 JN_{22}	7.22	0.65	2	SWF
73215 2002 JS_{22}	50.475		2−	SWF
73219 2002 JB_{24}	>4.35	>0.22		SWF
73220 2002 JO_{24}	>5.15	>0.19		SWF
73230 2002 JS_{28}	>1.00	>0.49		SWF
73239 2002 JU_{34}	86.3163	0.26	2	DWF
73260 2002 JP_{46}	12.8084	0.23	2	DWF
73261 2002 JX_{46}	9.45	0.41	2	SWF
73276 2002 JU_{53}	>1.33	>0.12		SWF
73308 2002 JJ_{74}	1.57	0.14	2− N	
73316 2002 JP_{83}	>1.90	>0.07		SWF
73332 2002 JV_{107}	28.7448	0.19	2	DWF
73371 2002 KA_{13}	9.6	0.27	1+ N	
73418 2002 LK_{36}	35.15	0.51	2+	
73442 Feruglio	S 8.56036		2 p N	LCI-W
73462 2002 NA_{53}	13.659		2	SWF
73466 2002 OP_{5}	5.61	0.38	2	SWF
73480 2002 PN_{34}	8.45	0.18	2 A	
73507 2002 TN_{220}	29.8764	0.08	2	DWF
73511 Lovas	S 4.73814		2 p N	LCI-W
73545 2003 OB_{31}				SWF
73572 4765 *P–L*	3.29	0.16	2	SWF
73595 2129 *T–2*	13.1974	0.20	2	DWF
73614 2229 *T–3*	S 13.09419		2 p N	LCI-W
73624 3481 *T–3*	8.22935	0.29	2	DWF
73627 4040 *T–3*	82.4382	0.32	2	DWF
73629 4303 *T–3*	>0.92	>0.21		SWF
73635 5105 *T–3*	6.05632	0.39	2 A	DWF
73644 1978 UD_{7}	45.2519	0.97	2	DWF
73646 1978 VT_{3}	3.17898	0.18	2	DWF
73649 1979 MA_{9}	96.0584	0.28	2	DWF
73664 1981 EE_{34}	6.15	0.33	2	SWF
73676 1988 CD_{5}	58.240	0.09	1	SWF
73692 Gürtler	S 6.42306		2 p N	LCI-W
73695 1991 RL_{17}	S 6.07245		2 p N	LCI-W
73696 1991 RQ_{19}	2.492	0.09	1	SWF
73713 1992 RW_{6}	3.68	0.13	2	SWF
73721 1993 FZ_{14}	11.29	0.28	2	SWF
73727 1993 FT_{39}	17.5	0.2	1	SWF
73745*1993 TH_{23}	>1.10	>0.11		SWF
73757 1994 CH_{10}	S 3.894523		2 p N	LCI-W
73789 1995 BO_{6}	>0.87	>0.08		SWF
73798 1995 MW_{2}	14.8442	0.33	2	DWF
73815 1995 VY_{10}	>5.48	>0.38		SWF
73821 1995 WY_{15}	4.58	0.76	2	SWF
73844 1996 PF_{4}	66.5611	0.20	2	DWF
73889 1997 EN_{12}	101.751	0.30	2	DWF
73915 1997 GD_{43}	8.58	0.96	1 DA	SWF
73927 1997 MK_{11}	77.7983	0.46	2	DWF
73950 1997 TE_{13}	13.71	0.27	2	SWF
73952 1997 UQ_{17}	237.954	0.59	2	DWF
73964 1997 WK_{42}	9.80	0.25	2	SWF
73982 1998 DB_{17}	3.83445	0.39	2	DWF
73987 1998 EA_{2}		>0.15		
73996*1998 FU_{28}	130.59	0.13	2	DWF
74005 1998 FH_{70}	9.161		2−	SWF
74020 1998 GW_{10}	3.45	0.18	2	SWF
74022 1998 HG_{2}	5.55	0.53	2	SWF
74032 1998 HR_{27}			HN	DWF
74048 1998 HP_{121}			HN	DWF
74056 1998 KM_{9}	17.4	0.5	2	
74067 1998 MH_{3}	95.2468	0.20	2	DWF
74081 1998 OU_{1}	46.1	0.23	2 T0	
74096*1998 QD_{15}	6.02	0.15−0.24	2 A	
74103 1998 QP_{31}	6.19	0.11	2	SWF
74107 1998 QM_{37}	185.218	0.62	2	DWF
74108 1998 QP_{37}	8.73	0.11	2	SWF
74116 1998 QL_{49}	16.61	0.22	2	SWF
74117 1998 QG_{50}	10.876	0.35	2	DWF
74123 1998 QG_{56}	3.32194	0.05	2	DWF
74140 1998 QD_{77}	85.0117	0.27	2	DWF
74145 1998 QO_{84}	62.4027	0.32	2	DWF
74155 1998 QK_{93}	S 15.9680		2 p N	LCI-W
74177 1998 RZ_{18}	24.908	0.16	2	DWF
74189 1998 RM_{43}	10.67	0.19	2	SWF
74203 1998 RN_{56}	163.27	0.44	2	DWF
74213 1998 RD_{67}	9.73489	0.13	2	DWF
74219 1998 RM_{78}	5.7	0.41	2−	
74228 1998 SJ_{15}	S 10.22798		2 p N	LCI-W
74232 1998 ST_{26}	3.14	0.22	2−	SWF
74235 1998 SF_{42}	>4.35	>0.24		SWF
74249 1998 SB_{65}	130.671	0.24	2	DWF
74281 1998 SE_{126}	S 8.06472		2 p N	LCI-W
74283 1998 SJ_{130}	197.959	0.29	2	DWF
74338 1998 VK_{15}	7.480	1.02	3−	
74350 1998 VO_{54}	8.56	1.1	2−	
74351 1998 VT_{54}	>0.98	>0.12		SWF
74355 1998 WJ_{12}	2.8	0.15	1 N	
74405 1998 YH_{13}	6.13864	0.12	2	DWF
74412 1999 AZ_{7}	68.3712	0.16	2	DWF
74414 1999 AN_{9}	20.8906	0.12	2	DWF
74421 1999 AW_{24}	3.66	0.30	2	SWF
74424 1999 BN	3.733	0.28	3	
74446 1999 CT_{19}	4.82	0.17	2	SWF
74464 1999 CA_{38}	3.62	0.22	2	SWF
74469 1999 CN_{52}	3.43166	0.16	2	DWF
74473 1999 CY_{55}	5.18796	0.57	2	DWF
74481 1999 CL_{83}	>0.92	>0.11		SWF
74487 1999 CE_{105}	12.2645	0.28	2	DWF
74492 1999 CP_{122}	2.95948	0.26	2	DWF
74550 1999 JC_{82}	37.4027	0.11	2	DWF
74551 1999 JY_{98}	4.19	0.34	2+	SWF
74563 1999 MQ	3.93	0.16	2	SWF
74567 1999 NP_{6}	10.91	0.25	2	SWF
74569 1999 NR_{7}	S 4.872449		2 p N	LCI-W
74573 1999 NB_{11}	62.093	0.06	1	SWF
74590 1999 OG_{2}	33.409	0.64−0.86	3−	
74592*1999 PR_{4}	2.5	0.16−0.17	2	SWF
74605 1999 RL_{12}	4.05	0.75	2	SWF
74617 1999 RP_{23}	>5.30	>0.86		SWF
74628 1999 RV_{42}	12.0586	0.25	2	DWF
74639 1999 RF_{59}	5.08	0.95	2	SWF
74642 1999 RJ_{61}	7.471	0.85	3	SWF
74649 1999 RF_{73}	>0.97	>0.16		SWF
74681 1999 RX_{115}	3.908	0.08	1	SWF
74685 1999 RT_{123}	59.5119	0.25	2	DWF
74692 1999 RF_{134}	2.241	0.10	1	SWF
74698 1999 RZ_{142}	5.247		2−	SWF
74702 1999 RQ_{146}			HN	DWF
74706 1999 RE_{150}	4.48	0.37	2	SWF
74737 1999 RK_{180}	5.30	0.52	2	SWF
74751 1999 RF_{197}	71.4466	0.31	2	DWF
74757 1999 RZ_{205}	20.3361	0.43	2	DWF
74765 1999 RF_{216}	>5.25	>0.24		SWF
74777 1999 RA_{239}	3.62647	0.23	2	DWF
74779*1999 RF_{241}	6.1895	0.80−0.82	3	
74791 1999 SW_{6}	6.81	0.68	2	SWF
74806 1999 TT	>3.70	>0.22		SWF
74822 1999 TA_{15}	2.412	0.10	1	SWF
74823*1999 TD_{15}	33.451	0.21−0.22	2+	
74832 1999 TH_{26}	123.114	0.45	2	DWF
74838 1999 TK_{34}	S 19.4841		2 p N	LCI-W
74843 1999 TB_{39}	4.80988	0.49	2	DWF
74848 1999 TS_{49}	233.146	0.24	2	DWF
74856 1999 TN_{88}	6.402		2	SWF
74858 1999 TU_{88}	2.48	0.12	1+	SWF
74862 1999 TB_{91}	>1.15	>0.05		SWF
74881 1999 TE_{105}	52.9476	0.30	2	DWF
74885 1999 TY_{110}	20.87	0.57	2	SWF
74890 1999 TW_{116}	4.62	0.45	1+	SWF
74898 1999 TL_{123}	9.14474	0.53	2	DWF
74909 1999 TV_{139}	3.98	0.36	1+	SWF
74910 1999 TX_{139}	8.57	0.35	2	SWF
74938 1999 TC_{174}	7.13708	0.44	2	DWF
74944 1999 TN_{178}	4.48103	0.74	2	DWF
74965 1999 TS_{205}	17.1468	0.29	2	DWF
74968 1999 TW_{212}	15.1869	0.40	2	DWF
74979 1999 TP_{236}	5.15207	0.34	2	DWF

Planet	Period	Variation	Note	Survey
74994 1999 TH_{271}			HN	DWF
74999 1999 TM_{278}	5.934		2−	SWF
75003 1999 TO_{286}	3.91891	0.17	2	DWF
75004 1999 TQ_{291}	3.21449	0.19	2	DWF
75011 1999 UQ_{1}	2.800	0.12	2	SWF
75013 1999 UJ_{4}	11.1165	0.19	2	DWF
75016 1999 UC_{5}	18.468		2−	SWF
75028 1999 US_{17}	4.44	1.32	1	SWF
75035 1999 UY_{25}	63.7337	0.46	2	DWF
75043 1999 UE_{39}	65.032		2	SWF
75044 1999 UG_{42}	71.9405	0.27	2	DWF
75045 1999 UK_{43}	2.282	0.08	1	SWF
75046 1999 UM_{43}	2.895	0.08	1	SWF
75047 1999 UD_{44}	6.065	0.59−0.64	2	SWF
75063 Koestler	89.2353	0.18	2	DWF
75065 1999 VO_{10}	5.98452	0.25	2	DWF
75067 1999 VN_{12}	21.243	0.68	2	SWF
75072 Timerskine	4.872	0.22	2	SWF
75077 1999 VP_{22}			HN	DWF
75079 1999 VN_{24}	6.632	0.11−0.16	3−	
75080 1999 VP_{24}	60.4342	0.36	2	DWF
75083 1999 VV_{26}	5.431		2−	SWF
75086 1999 VU_{28}	20.802	0.09	1	SWF
75088 1999 VV_{29}	S 5.74917		2 p N	LCI-W
75096 1999 VW_{36}	7.45485	0.16	2	DWF
75100 1999 VF_{43}	3.24869	0.28	2	DWF
75102 1999 VX_{46}	>0.92	>0.12		SWF
75103 1999 VL_{49}	3.257	0.31	2	SWF
75111 1999 VJ_{56}	95.4639	0.34	2	DWF
75112 1999 VN_{56}	4.651		2−	SWF
75115 1999 VR_{58}	3.157	0.18	2	SWF
75129 1999 VP_{69}	4.27	0.14	2−	SWF
75143 1999 VF_{90}	42.0783	0.25	2	DWF
75151 1999 VY_{100}	3.15	0.20	2	SWF
75152 1999 VP_{105}	>1.0	>0.27		SWF
75157 1999 VP_{109}	5.49	0.80	3	SWF
75166 1999 VH_{124}	2.92	0.48	1	SWF
75167 1999 VF_{128}	S 10.27743		2 p N	LCI-W
75183 1999 VB_{160}	16.110	0.71	2	SWF
75186 1999 VX_{160}	6.36	0.63	3	SWF
75192 1999 VG_{171}	44.440		2−	SWF
75194 1999 VQ_{171}	9.35279	0.29	2	DWF
75209 1999 VM_{192}	6.440	0.36	2	SWF
75211 1999 VD_{193}	4.87259	0.43	2	DWF
75213 1999 VD_{202}	2.446	0.09	1	SWF
75216 1999 VV_{213}	12.259	0.49	2	SWF
75223 Wupatki	6.62	0.29−0.57	3	SWF
75235 1999 WX_{7}	6.423	0.09	1	SWF
75260 1999 XO_{10}	9.354		2−	SWF
75267 1999 XJ_{13}	11.3731	0.62	2	DWF
75277 1999 XN_{19}	3.607	0.09	1	SWF
75278 1999 XQ_{19}	7.196	0.58	2	SWF
75280 1999 XZ_{20}	>1.97	>0.83		SWF
75281 1999 XF_{22}	S 77.024		2 p N	LCI-W
75283 1999 XH_{23}	42.535	0.74	2	SWF
75293 1999 XQ_{28}	2.994	0.18	2	SWF
75295 1999 XH_{30}	76.	0.35	2−	
75297 1999 XY_{32}	9.328	0.45	2	SWF
75300 1999 XJ_{34}	3.921	0.18	2	SWF
75304 1999 XT_{36}	5.796	0.75	2	SWF
75348 1999 XF_{64}	4.916	0.47−0.54	2	SWF
75353 1999 XL_{69}	114.664	0.30	2	SWF
75364*1999 XZ_{74}	33.567	0.72−0.78	2 p	SWF
75365 1999 XP_{75}	13.804	0.58	2	DWF
75366 1999 XS_{82}	17.162	0.16	2	SWF
75367 1999 XV_{82}	5.95278	0.27	2	DWF
75370 1999 XM_{83}	598.213	0.20	2	DWF
75393 1999 XS_{97}	2.871	0.09	1	SWF
75403 1999 XH_{102}	7.139	0.30	2	SWF
75422 1999 XH_{119}	11.33	0.12	1	SWF
75423 1999 XO_{119}	2.552	0.30	2	SWF
75426 1999 XJ_{123}	7.450	0.19	2	SWF
75431 1999 XD_{126}	3.76	0.21	1+	SWF
75452 1999 XP_{142}	92.7239	0.22	2	DWF
75458 1999 XS_{147}	8.624	0.55	2	SWF
75464*1999 XM_{159}	5.054	0.53	2+	
75478 1999 XG_{167}	32.082		2−	SWF
75482 1999 XC_{173}	1234.171	0.69	2	SWF
75489 1999 XO_{178}	8.70	0.65	2+	
75492 1999 XK_{179}	13.728	0.46	2	SWF

Planet	Period	Variation	Note	Survey
75495 1999 XM_{181}	14.682	0.69	2 p	SWF
75511 1999 XS_{200}	4.70127	0.15	2	DWF
75520 1999 XN_{205}	5.02	0.71	2	SWF
75523 1999 XX_{206}	25.504	0.74	2	SWF
75525 1999 XQ_{209}	55.613	0.56	2	SWF
75528 1999 XC_{214}	3.108	0.45	2	SWF
75536 1999 XB_{230}	77.1471	0.78	2	DWF
75537 1999 XN_{230}	71.4224	0.23	2	DWF
75543 1999 XY_{241}	54.273		2−	SWF
75555 Wonaszek	7.22	0.12	1	SWF
75558 1999 YE_{18}	4.92494	0.23	2	DWF
75561 1999 YR_{22}	6.004	0.07	1	SWF
75577 2000 AD_{11}	2.323	0.15	2	SWF
75596 2000 AA_{23}	3.06	0.31	2	SWF
75597 2000 AS_{23}	21.3335	0.18	2	DWF
75598 2000 AY_{23}	3.05	0.28	2+	
75605 2000 AA_{32}	4.680	0.41	2	SWF
75609 2000 AF_{34}	6.997	0.58	2	SWF
75617 2000 AA_{41}	6.692		2−	SWF
75621 2000 AG_{43}	9.26816	0.40	2	DWF
75632 2000 AY_{51}	32.2063	0.16	2	DWF
75633 2000 AF_{52}	31.7345	0.38	2	DWF
75640 2000 AE_{55}	16.369	0.52−0.6	2	SWF
75648 2000 AW_{59}	4.09	0.13	1	
75649 2000 AE_{62}	438.56	0.49	2	DWF
75653 2000 AG_{64}	S 27.2394	0.85	2 p N	LCI-W
75679*2000 AU_{97}	21.455	0.19−0.35	2	SWF
75686 2000 AQ_{100}	25.9053	0.13	2	DWF
75695 2000 AK_{106}	8.152	0.25	2	SWF
75698 2000 AS_{110}	2.85134	0.32	2	DWF
75709 2000 AB_{118}	12.8095	0.21	2	DWF
75714 2000 AT_{118}	5.09647	0.33	2	DWF
75716 2000 AS_{120}	24.0226	0.18	2	DWF
75717 2000 AU_{120}	3.28	0.27	2	SWF
75722 2000 AB_{128}	>24.	>0.5		SWF
75734 2000 AF_{139}	3.29611	0.08	2	DWF
75738 2000 AF_{145}	98.082	0.91	2	SWF
75739 2000 AQ_{145}	2.75426	0.14	2	DWF
75747 2000 AX_{153}	6.38	0.28	2+	
75751 2000 AR_{158}	5.420	0.65	2	SWF
75753 2000 AH_{160}	37.3294	0.18	2	DWF
75755 2000 AF_{162}	2.68	0.09	2	SWF
75757 2000 AG_{166}	6.09378	0.24	2	DWF
75759 2000 AH_{168}	261.375	0.19	2	DWF
75763 2000 AV_{178}	>1.13	>0.18		SWF
75768 2000 AE_{186}	3.86	0.28	2	
75773 2000 AC_{196}	5.746	0.64	2	SWF
75776 2000 AC_{198}	5.348	0.82	2	SWF
75825 2000 BX_{16}	5.672	0.74	2	SWF
75830 2000 BL_{24}	5.67967	0.48	2	DWF
75859 2000 CP_{10}	213.434	0.37	2	DWF
75868 2000 CF_{21}	17.14	0.29	2	SWF
75870 2000 CV_{21}	3.64841	0.26	2	DWF
75871 2000 CY_{23}	67.7648	0.39	2	DWF
75872 2000 CK_{24}	3.80	0.42	2	SWF
75881 2000 CC_{31}	31.7694	0.48	2	DWF
75883 2000 CR_{32}	140.289	0.49	2	DWF
75903 2000 CQ_{49}	157.912	0.76	2	SWF
75910 2000 CO_{53}	2.198	0.37	2	SWF
75927 2000 CE_{67}	10.82	0.21	2	SWF
75934 2000 CR_{75}	3.717	0.32	2	SWF
75950 2000 CU_{88}	2.828	0.06	2	SWF
75951 2000 CK_{90}	6.30	0.35	2	SWF
75959 2000 CP_{94}		0.05		
75974 2000 CC_{117}	9.700	0.63	2	SWF
75985 2000 DY_{2}	4.4	0.6	2−	
75989 2000 DF_{7}	4.53866	0.24	2	DWF
76014 2000 DV_{28}	2.44	0.31	1	SWF
76023 2000 DB_{38}			HN	DWF
76037 2000 DA_{50}			HN	DWF
76038 2000 DJ_{51}	15.360	0.82	2	SWF
76069 2000 DS_{77}	9.098	0.68−0.83	2	SWF
76090 2000 DQ_{94}	78.7174	0.25	2	DWF
76098 2000 DA_{99}	47.4032	0.48	2	DWF
76103 2000 DF_{103}	11.2131	0.27	2	DWF
76105 2000 DV_{103}	4.86298	0.17	2	DWF
76111*2000 DK_{106}	5.123	0.09−0.14	2	
76136*2000 EF_{12}	6.064	0.31−0.57	2	SWF
76137 2000 EQ_{12}	25.0218	0.15	2	DWF
76142 2000 ER_{13}	5.500	0.70	2	SWF

Planet	Period	Variation	Note	Survey
76148*2000 EP_{17}	65.33	0.20	2	
76151 2000 EA_{20}	8.30188	0.57	2	DWF
76163 2000 EB_{27}	S 23.8598		2 p N	LCI-W
76168 2000 EO_{29}	5.953	0.70	2	SWF
76170*2000 EF_{30}	5.640	0.20−0.25	2	SWF
76173 2000 EE_{32}	3.11	0.27	2	SWF
76176 2000 EK_{35}	S 17.0111		2 p N	LCI-W
76183 2000 EN_{39}	6.52	0.26	2	SWF
76214 2000 EV_{64}	S 9.27775		2 p N	LCI-W
76223 2000 EX_{69}	>4.37	>0.23		SWF
76226 2000 EO_{70}	3.03	0.19	2	SWF
76229 2000 EK_{75}	151.936	0.70	2	SWF
76233 2000 EX_{78}	3.54	0.27	1+	SWF
76234 2000 EQ_{79}	8.817		2−	SWF
76242 2000 ED_{84}	76.5299	0.42	2	DWF
76255 2000 EQ_{94}	>3.72	>0.13		SWF
76267 2000 EN_{105}	38.12	0.21	2	DWF
76271 2000 EH_{110}	1.98582	0.29	2	DWF
76272 De Jong	241.407	0.83	2	SWF
76280 2000 EK_{117}	7.14375	0.77	2	DWF
76293 2000 EV_{127}	8.87279	0.77	2 p	DWF
76294 2000 EA_{129}	3.581	0.52−0.54	2	SWF
76308 2000 EO_{137}	12.825	0.24	2	DWF
76309 Ronferdie	1.46533	0.15	2	DWF
76314 2000 EN_{139}	79.0433	0.68	2	DWF
76316 2000 EY_{140}	3.51059	0.19	2	DWF
76323 2000 ET_{145}	>1.15	>0.12		SWF
76325 2000 EZ_{145}	8.455	0.69	2	SWF
76326 2000 EV_{147}	4.028	0.47	2	SWF
76330 2000 EX_{148}	14.5034	0.23	2	DWF
76366 2000 EY_{173}	493.337	0.50	2	DWF
76370 2000 EC_{181}	41.2857	0.21	2	DWF
76372 2000 EA_{182}	45.3001	0.27	2	DWF
76382 2000 EM_{198}	2.823	0.08	1	SWF
76396 2000 FH_{12}	19.5679	0.23	2	DWF
76417 2000 FW_{18}	4.35	0.34	2−	SWF
76433 2000 FM_{24}	5.00513	0.42	2	DWF
76437 2000 FD_{29}	10.373	0.26	2	SWF
76440 2000 FY_{30}	8.036	0.64	2	SWF
76441 2000 FB_{31}	>0.92	>0.42		SWF
76442*2000 FO_{31}	6.669	0.38−0.84	2	SWF
76449 2000 FL_{33}	34.0621	0.47	2	DWF
76452 2000 FO_{36}	5.4555	0.24	2	DWF
76461*2000 FH_{44}	3.088	0.32−0.46	2	SWF
76462 2000 FP_{44}	3.9766	0.18	2	DWF
76470 2000 FC_{57}	7.22	0.63−0.68	3	SWF
76471 2000 FD_{57}	2.942	0.26	2	SWF
76486 2000 FY_{72}	>1.97	>0.21		SWF
76487 2000 FU_{73}	5.22451	0.58	2	DWF
76499 2000 GZ_{17}	19.1101	0.14	2	DWF
76516 2000 GX_{39}	S 13.80653		2 p N	LCI-W
76554 2000 GK_{93}	7.119	0.69	2	SWF
76557 2000 GB_{95}	7.967	0.46−0.48	2	SWF
76587 2000 GZ_{141}	54.6007	0.36	2	DWF
76588 2000 GK_{142}	6.869	0.55	2	SWF
76594 2000 GB_{155}	8.225	0.56	2	SWF
76596 2000 GN_{157}	141.993	0.68	2	DWF
76607 2000 GN_{162}	233.533	0.28	2	DWF
76614 2000 GY_{167}	10.726	0.25−0.44	2	SWF
76616 2000 GV_{172}	16.923	0.76	2 p	SWF
76624 2000 GW_{178}	12.696	0.42	2	DWF
76629 2000 HG	16.5859	0.27	2	DWF
76638 2000 HS_{14}	4.16092	0.21	2	DWF
76639 2000 HP_{15}				SWF
76648 2000 HH_{31}	5.54626	0.33	2	DWF
76654 2000 HM_{35}	13.2197	0.40	2	DWF
76656 2000 HN_{36}	4.93945	0.24	2	DWF
76657 2000 HU_{36}	8.48018	0.28	2	DWF
76659 2000 HX_{36}	29.8457	0.25	2	DWF
76668 2000 HA_{45}	9.50	0.63−0.65	2	SWF
76674 2000 HC_{58}	6.774	0.63−0.69	2 p	SWF
76676 2000 HH_{62}	6.36	0.64	2	SWF
76693 2000 HD_{79}	699.215	0.71	2	DWF
76695 2000 HE_{80}	36.8605	0.18	2	DWF
76697 2000 HG_{83}	5.09663	0.27	2 A	DWF
76703 2000 HT_{87}	2.58605	0.13	2	DWF
76708 2000 HE_{101}	120.993	0.67	2	SWF
76715*2000 JK_{11}	3.900	0.21−0.39	2	SWF
76717 2000 JP_{16}	7.533	0.84	2	SWF
76720 2000 JJ_{19}	160.957	0.31	2	DWF

Planet	Period	Variation	Note	Survey
76734 2000 JK_{54}			HN	DWF
76739 2000 JV_{61}	52.6001	0.13	2	DWF
76749 2000 JV_{73}	108.436	0.50	2	DWF
76756 2000 KR_{2}	12.7949	0.36	2	DWF
76765 2000 KQ_{26}	51.4993	0.34	2	DWF
76768 2000 KR_{31}	12.440	0.39	2	SWF
76772*2000 KJ_{47}	22.178	0.33−0.61	2	SWF
76781*2000 KU_{65}	8.613	0.47−0.56	2	SWF
76785 2000 KL_{72}	45.029	0.18	2	DWF
76786 2000 LT_{9}	180.070	0.78	2	SWF
76788 2000 LX_{13}	121.264	0.39	2	DWF
76793 2000 LX_{26}	33.2818	0.29	2	DWF
76800*2000 OQ_{35}	392.	0.51−1.4	3 T0	
76801 2000 PF_{24}	8.806	0.23	2	SWF
76814 2000 QL_{164}	5.129	0.42	2	SWF
76815 2000 QE_{181}	37.796	0.30	2	SWF
76818 Brianenke	3.1664	0.14−0.15	3 B	
76820 2000 RW_{105}		0.91	I	
76834 2000 SA_{244}	34.697	0.27	2	SWF
76836*2000 SB_{310}	10.697	0.61	2	SWF
76841 2000 TC_{33}	4.895	0.50−0.54	3	
76855*2000 WD_{63}	5.555	0.42	3	
76857 2000 WE_{132}	37.69	0.43	3−	
76864 2000 XR_{13}	3.89	0.15−0.16	3	
76865 2000 XW_{38}	5.14	0.31	1 DA	SWF
76867 2000 YM_{5}	9.112	0.29−0.31	3	
76873 2000 YF_{32}	5.834	0.59	2	SWF
76874 2000 YR_{32}	3.95	0.23	2	SWF
76894 2000 YT_{99}			HN	DWF
76896 2000 YA_{105}	85.8114	0.50	2	DWF
76898 2000 YS_{105}	14.138	0.63	2	SWF
76918 2001 AC_{5}	2.875	0.22−0.28	2	SWF
76924 2001 AJ_{21}	23.020	0.10	1	SWF
76929 2001 AX_{34}	36.2	0.19	2+	
76944*2001 BH_{15}	4.104	0.47−0.73	2	SWF
76947 2001 BF_{19}	5.045	0.72	2	SWF
76948 2001 BH_{20}	582.869	0.94	2	DWF
76973 2001 BT_{53}	22.002	0.29	2	DWF
76978 2001 BY_{60}	6.897	0.05−0.17	3−	
76982 2001 BV_{65}	>1.00	>0.11		SWF
76990 2001 BO_{70}	37.5863	0.31	2	DWF
76995 2001 BQ_{75}	2.707	0.09	1	SWF
77003 2001 CT_{4}	4.700	0.56	2	SWF
77010 2001 CB_{9}	3.61	0.36	3−	
77026 2001 CC_{23}	238.516	0.18	2	DWF
77049 2001 CH_{48}	2.596	0.08	1	SWF
77058 2001 DM_{12}	4.62	0.97	2	SWF
77062 2001 DA_{19}	7.522	0.75	2	SWF
77065*2001 DU_{20}	8.548	0.44−0.59	2	SWF
77082 2001 DM_{33}	45.498	0.68	2	SWF
77085 2001 DO_{35}	3.8993	0.28	2	DWF
77086 2001 DB_{36}	S 7.00072		2 p N	LCI-W
77092 2001 DA_{47}	5.71121	0.44	2	DWF
77094 2001 DZ_{48}	>5.40	>0.36		SWF
77105 2001 DG_{69}	40.949	0.38	2	SWF
77127 2001 DJ_{93}	4.16	0.47	2+	
77131 2001 DK_{99}	6.95737	0.35	2	DWF
77136 Mendillo	48.947		2−	SWF
77158 2001 EN_{15}	5.19	0.48	1	SWF
77160 2001 EK_{18}	48.552	0.82	2	DWF
77163 2001 EM_{19}	>0.88	>0.52		SWF
77172 2001 EF_{25}	3.4416	0.18	2	DWF
77186 2001 FS_{9}	32.112	0.52	2	SWF
77191 2001 FE_{11}	5.133	0.09	1	SWF
77216 2001 FO_{24}	150.	1.0	1+	
77266 2001 FX_{51}	3.24	0.17	2	SWF
77271 2001 FY_{53}	>1.35	>0.17		SWF
77273 2001 FO_{55}	23.0716	0.24	2	DWF
77281 2001 FO_{63}	3.98	0.24	1+	SWF
77287 2001 FA_{66}	>5.15	>0.08		SWF
77292 2001 FN_{71}	4.599	0.61	2	SWF
77311 2001 FL_{81}	7.991	0.71	2	SWF
77313 2001 FY_{81}	6.42	0.48	2	SWF
77316 2001 FY_{82}	80.0435	0.18	2	DWF
77333 2001 FL_{96}	37.8522	0.17	2	DWF
77339 2001 FT_{98}	4.26261	0.52	2	DWF
77341 2001 FO_{101}	4.6891	0.50	2	DWF
77344 2001 FS_{103}	29.4998	0.17	2	DWF
77357 2001 FW_{125}	2.6	0.26	2− N	
77383 2001 FG_{144}	55.3215	0.40	2	DWF

Planet	Period	Variation	Note	Survey
77388 2001 FA_{150}	5.027	0.69	2	SWF
77390 2001 FA_{151}	7.31348	0.69	2	DWF
77395 2001 FG_{159}	42.4892	0.16	2	DWF
77399 2001 FV_{160}	38.5917	0.14	2	DWF
77402 2001 FK_{168}	5.16	1.13	2	SWF
77415 2001 FS_{176}	5.03547	0.65	2	DWF
77439 2001 GS_{10}	201.434	0.24	2	DWF
77457 2001 HU_{11}	17.514	0.83	2	SWF
77461 2001 HM_{15}	8.49497	0.63	2	DWF
77466 2001 HL_{21}	26.6111	0.33	2	DWF
77483 2001 HB_{31}	2.21	0.28	1+	SWF
77487 2001 HN_{33}	72.4181	0.35	2	DWF
77489 2001 HC_{35}	45.451	0.50	2	SWF
77494 2001 HM_{36}	37.316	0.22	2	DWF
77497 2001 HR_{37}	5.49202	0.56	2	DWF
77503 2001 HP_{45}	9.725	0.51	2	SWF
77506 2001 HY_{46}	8.03027	0.42	2	DWF
77508 2001 HV_{47}	56.5999	0.31	2	DWF
77512 2001 HY_{48}	7.71866	0.27	2	DWF
77527 2001 HO_{57}	23.6339	0.20	2	DWF
77535 2001 HT_{62}	>5.40	>0.18		SWF
77540 2001 HF_{64}	8.92	0.60	2	SWF
77568 2001 KL_{6}	98.3401	0.24	2	DWF
77572 2001 KL_{10}	3.610	0.53	2	SWF
77578 2001 KC_{12}	109.323	0.29	2	DWF
77586 2001 KT_{14}	3.22639	0.16	2	DWF
77588 2001 KJ_{16}	5.00901	0.52	2	DWF
77590 2001 KM_{17}	5.892	0.69	2	SWF
77594 2001 KQ_{21}	S 16.40749		2 p N	LCI-W
77608 2001 KZ_{33}	15.575	0.65	2	SWF
77614 2001 KM_{37}	18.9398	0.20	2	DWF
77628 2001 KV_{46}	13.605	0.14	2	DWF
77629 2001 KE_{47}	15.153	0.20	2	DWF
77635 2001 KO_{55}	4.742	0.61	2	SWF
77637 2001 KH_{56}	9.572	0.80	2	SWF
77644 2001 KH_{65}	5.58071	0.26	2	DWF
77645 2001 KX_{66}	3.613	0.15	3	
77668 2001 LL_{19}	35.8158	0.47	2	DWF
77673 2001 MA_{20}	113.303	0.51	2	DWF
77677 2001 MA_{25}	S 5.304712		2 p N	LCI-W
77680 2001 MJ_{29}	18.106	0.47	2	SWF
77682 2001 MY_{29}	5.343	0.57	2	SWF
77685 2001 NA_{3}	4.36	0.69−0.88	3	SWF
77689 2001 NZ_{10}	5.13	0.16	2	SWF
77694 2001 NT_{18}	6.862	0.81−0.99	2 p	SWF
77697 2001 OC_{3}	39.9551	0.69	2	DWF
77703 2001 OP_{24}	5.61	0.15	2	SWF
77708 2001 OS_{31}	13.5768	0.18	2	DWF
77711 2001 OU_{43}	8.27039	0.15	2	DWF
77712 2001 OF_{45}	>0.98	>0.25		SWF
77719 2001 OQ_{51}	16.806	0.15	2	DWF
77722 2001 OF_{54}	17.674	0.62	2	DWF
77726 2001 OW_{63}	25.1339	0.32	2	DWF
77733 2001 OS_{73}	7.579	1.15	2	
77736 2001 OS_{77}	9.36885	0.28	2	DWF
77740 2001 OP_{88}	10.499	0.53−0.57	2	SWF
77743 2001 OH_{96}	14.2863	0.25	2	DWF
77747*2001 OW_{110}	38.8092	0.30	2	DWF
77749 2001 PB_{2}	160.978	0.44	2	DWF
77759 2001 PY_{36}	5.102	0.61−0.65	2	SWF
77768 2001 QM	7.1	0.34	2	SWF
77774 2001 QB_{12}	5.26734	0.09	2	DWF
77778 2001 QR_{18}	9.910	0.35	2	SWF
77780*2001 QJ_{27}	15.820	0.29−0.45	2	SWF
77796 2001 QL_{68}	8.54302	0.54	2	DWF
77799 2001 QV_{88}	40.01	0.74	3	
77807*2001 QU_{125}	7.712	0.40−0.75	2	SWF
77812 2001 QC_{134}	9.535	0.44−0.55	2	SWF
77818*2001 QK_{165}	33.667	0.17−0.19	1	DWF
77821 2001 QL_{178}	5.08615	0.34	2	DWF
77829 2001 QO_{217}	13.6	0.51−0.62	2	SWF
77831 2001 QL_{226}		0.56		SWF
77839 2001 QU_{268}	16.84	0.75	2	SWF
77842 2001 QA_{273}	13.022	0.60	2	SWF
77856 Noblitt	3.382	0.34	2	SWF
77866 2001 RR_{148}	317.213	0.36	2	DWF
77873 2001 SQ_{46}	11.119	0.32−0.36	2	SWF
77876 2001 SJ_{55}	10.39	0.70	2	DWF
77877 2001 SC_{59}	5.143	0.51	2	SWF
77878 2001 SE_{62}	4.384	0.31	2	SWF
77880 2001 SE_{121}	8.38	0.43−0.45	2	SWF
77882 2001 SV_{124}	3.48	0.25	2−	SWF
77887 2001 ST_{171}			HN	DWF
77892*2001 SZ_{250}	26.14	0.57	3−	
77895 2001 SH_{324}	34.8025	0.28	2	DWF
77926*2002 EJ_{140}	5.85	0.47−0.64	2	SWF
77964 2002 JT_{1}	8.180	0.69	2	SWF
77989*2002 JP_{33}	9.929	0.45−0.48	2	SWF
77994 2002 JY_{39}	48.505		2−	SWF
78001 2002 JP_{49}	40.779		2	SWF
78005 2002 JB_{52}	6.936	0.46	2	SWF
78006 2002 JE_{52}	5.162	0.09	1	SWF
78024*2002 JO_{70}	>17.	>0.12	2 N	
78026 2002 JJ_{72}	>1.78	>0.93		SWF
78035 2002 JU_{89}	4.069	0.62	2	SWF
78052 2002 JW_{138}	42.026	0.59	2	SWF
78060 2002 KS_{3}	16.8367	1.25−1.66	3	
78072 2002 LY_{11}	49.4364	0.38	2	DWF
78078 2002 LB_{17}	49.0808	0.53	2	DWF
78130 2002 NL_{12}	5.22	0.53	2	SWF
78133 2002 NQ_{13}	4.12786	0.18	2	DWF
78148 2002 NB_{24}	2.756	0.25	2	SWF
78161 2002 NF_{28}	4.98362	0.39	2	DWF
78168 2002 NZ_{30}	10.5142	0.24	2	DWF
78212 2002 OB_{1}	4.746	0.26	2	SWF
78237 2002 OL_{20}	223.743	0.61	2	SWF
78264 2002 PZ_{23}	41.6703	0.22	2	DWF
78279 2002 PN_{38}	>4.35	>0.24		SWF
78282 2002 PF_{40}	8.50	0.91	2	SWF
78283 2002 PR_{42}	S 20.0564		2 p N	LCI-W
78287 2002 PN_{49}	5.645	0.66	2	SWF
78293 2002 PC_{53}	15.02	0.15	1	SWF
78296 2002 PT_{53}	5.3	0.75−0.76	2	SWF
78299 2002 PF_{55}	4.60	0.23	2−	SWF
78333 2002 PR_{85}	17.5582	0.23	2	DWF
78337 2002 PG_{88}	2.998	0.36	2	SWF
78353 2002 PQ_{99}	26.2053	0.42	2	DWF
78369 2002 PP_{120}	2.98	0.15	2	SWF
78381*2002 PQ_{135}	17.9	0.45−0.49	2	SWF
78388 2002 PT_{156}	4.25	1.11	1	SWF
78404 2002 QG_{14}	50.982	0.55	2	SWF
78417 2002 QE_{37}	3.75	0.22	2−	SWF
78418 2002 QH_{38}	S 8.56669		2 p N	LCI-W
78420 2002 QU_{40}	4.90	0.55−1.10	2 p	SWF
78451 2002 RY_{24}	13.1577	0.28	2	DWF
78468*2002 RL_{44}	16.2718	0.79	3	DWF
78476*2002 RQ_{50}	8.823	0.39−0.41	2	SWF
78479 2002 RO_{52}		0.66		SWF
78480 2002 RA_{53}			HN	DWF
78487 2002 RO_{59}	3.279	0.46	2	SWF
78494 2002 RX_{63}	6.08	0.64	2	SWF
78505 2002 RS_{84}	S 28.0544		2 p N	LCI-W
78516 2002 RH_{92}	>4.37	>0.28		SWF
78533 2002 RL_{106}	14.5201	0.60	2	DWF
78538 2002 RP_{116}	3.838	0.37	2	DWF
78549 2002 RS_{126}	S 25.0870		2 p N	LCI-W
78550 2002 RS_{128}	12.325	0.68	2	SWF
78565 2002 RX_{172}	16.0738	0.17	2	DWF
78568 2002 RW_{181}	297.608	0.14	2	DWF
78573 2002 RT_{213}	6.79918	0.37	2	DWF
78576 2002 RB_{228}	S 17.4497		2 p N	LCI-W
78585 2002 SF_{12}	4.631	0.58	2	SWF
78596 2002 SK_{21}	28.509	0.67	2	SWF
78618 2002 TH_{5}	3.229	0.47	2	SWF
78643 2002 TA_{42}			HN	DWF
78656 2002 TL_{73}	8.023	0.64−0.73	2 p	SWF
78657 2002 TS_{76}	4.620	0.48−0.52	2	SWF
78666 2002 TZ_{89}	17.6233	0.39	2 1	DWF
78673 2002 TP_{114}	4.911	0.59	2 p	SWF
78689 2002 TL_{157}	133.494	0.42	2	DWF
78690 2002 TY_{159}	487.895	0.29	2	DWF
78698*2002 TD_{171}	8.182	0.26−0.28	2	SWF
78701 2002 TO_{175}	>0.98	>0.09		SWF
78704 2002 TY_{177}	14.5055	0.21	2	DWF
78714 2002 TX_{199}	8.882	0.56	2	SWF
78722 2002 TR_{221}	364.046	0.45	2	DWF
78724 2002 TJ_{230}	41.9276	0.18	2	DWF
78728 2002 TK_{233}	5.364	0.49	2	SWF
78765 2002 UD_{36}	5.74	0.69−0.98	3	SWF
78772 2002 VA_{44}	4.817	0.30	2	SWF

Planet	Period	Variation	Note	Survey
78776 2002 VB_{65}	9.55441	0.39	2	DWF
78779 2002 VZ_{68}	6.765	0.71	2	SWF
78784 2002 VY_{78}	245.081	0.31	2	DWF
78785 2002 VC_{85}	11.057	0.38	2	SWF
78790 2002 VH_{120}			HN	DWF
78802 2003 CC_{16}	22.9727	0.16	2	DWF
78803 2003 MK_{5}	4.438	0.63	2	SWF
78804 2003 NY_{8}	52.89	0.44	2	DWF
78818 2003 QR_{5}	4.15282	0.23	2	DWF
78842 2003 QH_{47}	4.10713	0.17	2	DWF
78846 2003 QN_{56}	5.45	1.19	2	SWF
78856 2003 QR_{68}	2.086	0.05	1	SWF
78857 2003 QO_{70}	3.380	0.42	3	
78902 2003 SM_{67}	8.56574	0.30	2	DWF
78922 2003 SL_{109}	7.60733	0.39	2	DWF
78941 2003 SN_{169}	33.9508	0.17	2	DWF
78948 2003 SM_{192}	37.888	0.17	2	SWF
78975 2003 SK_{313}	5.319	0.69	2	SWF
78996 2080 *P–L*	5.05	0.19	2	SWF
79027 1337 *T–2*	8.461		2	SWF
79046 4113 *T–2*	5.664	0.82	2	SWF
79053 5153 *T–2*	216.509	0.33	2	DWF
79056 1132 *T–3*	11.005	0.45	2 p	SWF
79063 2499 *T–3*	3.32	0.61	2	SWF
79066 3172 *T–3*	3.739	0.39	2	SWF
79071 3300 *T–3*			HN	DWF
79087 Scheidt	6.638	0.33−0.45	2	SWF
79118 1989 GY_{5}	3.3546	0.28	2	DWF
79122 1990 RV_{7}	5.626	0.83	2	SWF
79126 1990 SO_{6}			HN	DWF
79128 1990 SB_{13}	4.30	0.38	2	SWF
79129 Robkoldewey	5.42	0.31	2	SWF
79132 1990 VR_{4}	8.95205	0.53	2	DWF
79139 1991 *SP*	5.450		2−	SWF
79141 1991 *TB*	74.5478	0.35	2	DWF
79170 1993 FT_{34}	4.406	0.26	2	SWF
79177 1993 FG_{50}			HN	DWF
79186 1993 *QN*	S 50.110		2 p N	LCI-W
79193 1993 TW_{17}	3.202	0.32	2	SWF
79214 1994 GS_{6}	>1.9	>0.32		SWF
79217 1994 JR_{4}	5.138	1.18	2	SWF
79223 1994 PM_{12}	4.315	0.53	2	SWF
79231 1994 PO_{22}	5.61396	0.19	2	DWF
79234 1994 PC_{26}	67.816	0.84	2	SWF
79243 1994 RA_{1}	7.48	0.30	2	SWF
79263 1995 HK_{5}	>4.35	>0.10		SWF
79269 1995 QG_{1}	8.336	0.65	2	SWF
79272*1995 SN_{6}	7.74	0.70−0.94	2	SWF
79279 1995 SQ_{28}	3.742	0.07	1	SWF
79283 1995 SN_{42}	11.086		2−	SWF
79302 1995 WG_{22}	>2.70	>0.17		SWF
79305 1995 *XK*	7.65352	0.93	2	DWF
79314 1996 DP_{1}	8.499	0.50	2	SWF
79316 Huangshan	493.	0.62	2+ T?	
79320 1996 HS_{25}	13.513	0.46	2	SWF
79321 1996 JV_{4}	50.39	0.39	2	DWF
79325 1996 *QJ*			HN	DWF
79331 1996 *TY*	11.44	0.18	1	SWF
79355 1997 BN_{4}	10.168	0.25−0.29	2	SWF
79360 Sila–Nunam	300.24	0.14−0.15	2 B	
79361 1997 *DA*	8.434	0.50	2	SWF
79362 1997 EO_{2}	13.358		2−	SWF
79375 Valetti	>4.35	>0.12		SWF
79413 1997 JQ_{14}	6.288	0.60	2	SWF
79417 1997 KQ_{1}	85.1774	0.22	2	DWF
79435 1997 TU_{2}	7.46	0.95	2	SWF
79436*1997 TD_{6}	S 3.635352	0.79	2 p	LCI-W
79442 1997 *UX*	>3.70	>0.10		SWF
79443 1997 UL_{1}	8.96553	0.41	2	DWF
79451 1997 WX_{9}	54.4964	0.24	2	DWF
79455 1997 WH_{46}	7.308	0.53−0.66	2	SWF
79469 1998 AH_{2}	128.454	0.48	2	DWF
79472 Chiorny	2.8802	0.19−0.27	3 B?	
79492 1998 FB_{58}	36.4323	0.24	2	DWF
79493 1998 FD_{63}	2.777	0.20	1	SWF
79498 1998 FP_{126}	>5.48	>0.42		SWF
79499 1998 FB_{127}	19.1226	0.46	2	DWF
79506 1998 HG_{7}	10.273	0.74	2	SWF
79513 1998 KM_{19}	>1.37	>0.21		SWF
79530 1998 QD_{4}	24.51	0.20	1 NA	

Planet	Period	Variation	Note	Survey
79531 1998 QX_{6}	81.298	0.44	2	SWF
79535 1998 QW_{23}	S 92.785		2 p N	LCI-W
79550 1998 QO_{46}	3.957	0.44	2	SWF
79554 1998 QT_{48}	8.617	0.63	2	SWF
79559 1998 QQ_{51}	62.854	0.49	2	SWF
79562 1998 QU_{62}	7.652	0.18−0.20	2	SWF
79590 1998 RX_{19}	988.769	0.07	1	SWF
79605 1998 RR_{46}	>2.92	>0.15		SWF
79613 1998 RJ_{56}	36.8845	0.26	2	DWF
79621 1998 RF_{62}	3.512	0.55	2	SWF
79639 1998 RP_{78}	6.026	0.42−0.43	2	SWF
79651 1998 SD_{17}	30.77	0.80	2	SWF
79680 1998 SK_{50}	64.2519	0.36	2	DWF
79695 1998 SA_{66}	55.235	0.78	2	SWF
79704 1998 SF_{90}	6.40	0.67	2+	SWF
79714 1998 SY_{106}	51.820		2−	SWF
79721 1998 SE_{112}	10.2	0.45	2−	SWF
79733*1998 SU_{134}	S 8.38756	0.60−0.69	2 p N	LCI-W
79738 1998 ST_{138}	7.280	0.76	2	SWF
79760 1998 TG_{25}	>4.35	>0.14		SWF
79771 1998 UK_{11}	17.7025	0.17	2	DWF
79782 1998 UN_{40}	150.	0.2	1+	SWF
79799 1998 VU_{10}	8.436	0.92	2	SWF
79806 1998 VQ_{21}	18.4255	0.15	2	DWF
79819 1998 VE_{46}	3.83666	0.45	2	DWF
79823 1998 VK_{54}	40.838	0.33	2	SWF
79844 1998 WF_{43}	2.56172	0.10	2	DWF
79853 1998 XJ_{29}	6.66554	0.37	2	DWF
79895*1999 BF_{5}	10.4935	0.53	2 p	DWF
79898 1999 BD_{6}	5.053	0.24	2	SWF
79899 1999 BF_{6}	4.214		2−	SWF
79904 1999 BO_{13}	3.851	0.48	2	SWF
79910 1999 BE_{30}	131.573	0.44	2	DWF
79911 1999 *CK*	25.5219	0.23	2	DWF
79933 1999 CW_{70}	>0.92	>0.21		SWF
79937 1999 CD_{73}	10.020	0.35	2	SWF
79950 1999 CP_{92}	45.7191	0.25	2	DWF
79963 1999 CV_{119}	5.40915	0.29	2	DWF
79966 1999 CM_{124}	8.89749	0.79	2	DWF
79979 1999 DQ_{2}	725.292	0.64	2	DWF
79983 1999 DF_{9}	6.65	0.40	2 A	
79988 1999 EK_{10}	7.333	0.41	2	SWF
80003 1999 FW_{50}	S 4.82302		2 p N	LCI-W
80020 1999 HA_{4}	1095.24	0.20	2	DWF
80041 1999 JK_{38}	105.533	0.27	2	DWF
80044*1999 JN_{40}	15.743	0.51−0.60	2	SWF
80047 1999 JN_{50}	22.3474	0.28	2	DWF
80049 1999 JV_{54}	4.389	0.40−0.53	2	SWF
80051 1999 JO_{56}	S 5.63224		2 p N	LCI-W
80055 1999 JL_{70}	8.246	0.52−0.74	2	SWF
80058 1999 JV_{74}	138.445	0.19	2	DWF
80065 1999 JA_{91}	3.5815	0.21	2	DWF
80073 1999 JA_{99}	455.093	0.28	2	DWF
80078 1999 JU_{115}	5.235	0.26−0.27	2	SWF
80086 1999 KJ_{7}	15.2193	0.24	2	DWF
80094 1999 LE_{12}	7.92985	0.25	2	DWF
80099 1999 *NR*	38.03	0.37	2	DWF
80109 1999 RA_{34}	201.611	0.59	2	DWF
80112 1999 RN_{61}	S 4.923622		2 p N	LCI-W
80156 1999 TV_{211}	7.12725	0.43	2 A	DWF
80173 1999 UQ_{12}	>1.0	>0.06		SWF
80176 1999 UL_{38}	10.79	0.30	2	SWF
80180 Elko	5.710	0.63	2	SWF
80186 1999 VD_{32}	41.094	0.64	2	SWF
80209 1999 VK_{89}	3.018	0.43	2	SWF
80215 1999 VM_{111}	6.439	0.87	2	SWF
80218*1999 VO_{123}	3.1451	0.20−0.21	3 B	
80227 1999 VH_{168}	>1.13	>0.24		SWF
80234 1999 VK_{195}	4.32	0.12	2+	
80255 1999 WZ_{19}	9.375	0.60	2	SWF
80262 1999 XY_{13}	11.7371	0.16	2	DWF
80275 1999 XY_{31}	6.398	0.59	2	SWF
80276 1999 XL_{32}	5.56	0.76−0.77	3− p	SWF
80307 1999 XU_{71}	6.089	0.61	2	SWF
80327 1999 XY_{89}	4.178	0.48	2	SWF
80330 1999 XD_{92}	44.744	0.59	2	SWF
80331 1999 XM_{92}	9.151	0.68	2	SWF
80346 1999 XT_{114}	3.48	0.13	2	SWF
80365 1999 XF_{139}	7.23136	0.74	2	DWF
80371 1999 XM_{154}	5.128	0.76	2	SWF

Planet	Period	Variation	Note	Survey
80381 1999 XD_{160}	2.61	0.13	2	SWF
80401 1999 XO_{179}	37.750		2−	SWF
80431 1999 XS_{227}			HN	DWF
80433 1999 XW_{233}	210.397	0.19	2	DWF
80438 1999 XX_{249}	4.682	0.32	2	SWF
80440 1999 XY_{263}	15.086	0.23	2	DWF
80448 1999 YA_{17}		0.65		SWF
80451 Alwoods		0.52		SWF
80454 2000 AW_{3}	6.746	0.64	2	SWF
80481 2000 AJ_{33}	39.3672	0.29	2	DWF
80482 2000 AV_{33}	8.066	0.07	1	SWF
80498 2000 AG_{50}	23.7605	0.26	2	DWF
80509 2000 AE_{56}	3.97	0.6 −0.68	2	
80516 2000 AL_{59}	5.89	0.10	2	SWF
80524 2000 AD_{63}	19.879	0.32	2	SWF
80532 2000 AV_{71}	4.57	0.18	2	SWF
80539 2000 AT_{79}	18.921		2−	SWF
80541 2000 AL_{82}	>5.40	>0.16		SWF
80545 2000 AD_{85}	3.110	0.16	2	SWF
80556 2000 AB_{95}	15.3718	0.45	2	DWF
80576 2000 AE_{120}	2.73	0.21	2	SWF
80582 2000 AY_{125}	2.540	0.09	1	SWF
80583 2000 AL_{127}	4.310	0.75	2	SWF
80587 2000 AU_{131}	2.90	0.25	2	SWF
80593 2000 AG_{144}	2.747	0.05−0.12	3	
80594 2000 AA_{145}	4.56725	0.49	2	DWF
80608 2000 AB_{160}	6.05292	0.67	2	DWF
80623 2000 AE_{184}	5.057	0.66	2+	
80628 2000 AP_{197}	9.59313	0.42	2	DWF
80636 2000 AV_{214}	100.	3.0	1	SWF
80672 2000 BU_{17}	12.241	0.36−0.41	2	SWF
80678 2000 BR_{25}	5.066	0.46	2	SWF
80679 2000 BR_{28}	>1.13	>0.29		SWF
80704 2000 CM_{5}	10.535	0.69	2	SWF
80706 2000 CL_{16}	4.439	0.09	1	SWF
80714 2000 CR_{20}	3.82	1.27	1	SWF
80720 2000 CO_{24}	>4.87	>0.39		SWF
80730 2000 CM_{29}	2.69	0.18	2	SWF
80739 2000 CK_{34}	390.339	0.40	2	DWF
80750 2000 CR_{44}	146.61	0.39	2	DWF
80751 2000 CB_{46}	13.197	0.49	2 A	DWF
80758 2000 CU_{52}	10.576	0.13	2	DWF
80760 2000 CY_{53}	11.683	0.70−0.80	2	SWF
80762 2000 CG_{54}	26.417	0.75	2	SWF
80770 2000 CB_{61}	7.987	0.26−0.30	2	SWF
80772 2000 CX_{61}	6.62837	0.21	2	DWF
80773 2000 CY_{63}	13.535	0.60	2	SWF
80775 2000 CN_{65}	5.362	0.54	2	SWF
80783 2000 CR_{79}	5.288	0.66−0.68	2	SWF
80805 2000 CU_{103}	52.7218	0.34	2	DWF
80806 2000 CM_{105}		<0.14	BH	
80812 2000 CY_{116}	173.378	0.48	2	DWF
80816 2000 CR_{122}	5.280		2	SWF
80833 2000 DR_{5}	44.8946	0.29	2	DWF
80864 2000 DZ_{27}	2.9	0.04	1 N	
80865 2000 DH_{28}	3.119	0.49	2	SWF
80904*2000 DO_{56}	13.14	0.27	2	
80911 2000 DT_{60}	92.8071	0.17	2	DWF
80915 2000 DK_{63}	4.069	0.46	2	SWF
80936 2000 DS_{80}	2.49	0.23	2	SWF
80940 2000 DD_{86}	3.48	0.36	2+	
80949 2000 DG_{96}	56.0385	0.72	2	DWF
80952 2000 DF_{98}	2.7775	0.10	2−	SWF
80954 2000 DZ_{98}	21.048	0.82	2	SWF
80956 2000 DV_{101}	S 11.11358		2 p N	LCI-W
80957 2000 DL_{104}	4.25857	0.34	2	DWF
80969 2000 DL_{112}	14.559	0.64−0.82	2	SWF
80978 2000 EG_{8}	7.62	0.60	2	SWF
80983 2000 EV_{12}			HN	DWF
80988 2000 EK_{19}	44.366	0.08	1	SWF
80998 2000 EJ_{29}	15.957		2−	SWF
81003 2000 EN_{31}	>5.42	>0.19		SWF
81013 2000 EY_{37}	2.921	0.35	2	SWF
81015 2000 EF_{38}	2.25	0.54	3−	SWF
81032 2000 EK_{48}	11.054	0.34	2	SWF
81034 2000 EE_{49}	16.6146	0.54	2	DWF
81045 2000 EA_{60}	>5.25	>0.16		SWF
81063 2000 EJ_{70}	6.008	0.36−0.40	2	SWF
81072 2000 EC_{80}	30.2183	0.18	2	DWF
81080 2000 ET_{88}	2.109	0.10	1	SWF
81103 2000 ES_{112}	48.312		2	SWF
81119 2000 EW_{125}	5.132	0.75	2	SWF
81131 2000 EW_{131}	12.4755	0.24	2	DWF
81148 2000 EN_{145}	88.4652	0.62	2 1	DWF
81150 2000 EO_{146}	38.1883	0.28	2	DWF
81152 2000 EY_{148}	25.0853	0.72	2	DWF
81153 2000 ES_{150}	13.249	0.68	2	SWF
81165 2000 EY_{159}	6.26261	0.34	2	DWF
81173 2000 EY_{167}	>4.37	>0.48		SWF
81174 2000 EO_{170}	5.860	0.61	2	SWF
81178 2000 EB_{175}			HN	DWF
81205 2000 FW_{10}	4.95	0.78	2	SWF
81215 2000 FM_{18}	13.3404	0.16	2	DWF
81216 2000 FQ_{18}	36.7012	0.28	2	DWF
81221 2000 FY_{21}	20.43	0.58	2	SWF
81223 2000 FP_{23}	251.001	0.25	2	DWF
81227 2000 FK_{24}	135.619	0.15	2	DWF
81228 2000 FG_{25}			HN	DWF
81244 2000 FC_{33}	19.8745	0.40	2	DWF
81252 2000 FG_{35}	34.1549	0.08	2	DWF
81263 2000 FZ_{43}	6.3	0.80	3−	
81267 2000 FA_{46}			HN	DWF
81271 2000 FS_{48}	8.66292	0.19	2	DWF
81289 2000 FC_{65}	35.306	0.87	2	SWF
81298 2000 GW_{1}	10.338	1.06	3−	
81337*2000 GP_{36}	10.027	0.39−1.36	3	
81345 2000 GW_{41}	3.3735	0.33	3−	SWF
81351 2000 GH_{50}	5.065	0.12	2	SWF
81362 2000 GU_{59}	6.1		2− N	
81369 2000 GT_{64}	83.0048	0.23	2	DWF
81379 2000 GO_{70}	103.862	0.15	2	DWF
81386 2000 GT_{73}	15.381	0.25	2	SWF
81397 2000 GZ_{83}	514.143	0.35	2	DWF
81405 2000 GJ_{86}	20.0697	0.22	2	DWF
81409 2000 GO_{89}	7.74	0.77	2	SWF
81429 2000 GE_{106}	53.6139	0.29	2	DWF
81433 2000 GC_{108}	87.6127	0.79	2	DWF
81443 2000 GV_{114}	5.217	0.60	2 A	SWF
81453 2000 GN_{126}	10.5271	0.16	2	DWF
81468 2000 GS_{137}	3.638	0.60	2	SWF
81484 2000 GF_{153}	11.937	0.07	1	SWF
81497 2000 GN_{159}	27.4272	0.18	2	DWF
81498 2000 GO_{159}	4.59089	0.19	2	DWF
81512 2000 GL_{174}	3.65008	0.30	2	DWF
81550 2000 HU_{23}	8.68593	0.06	2	DWF
81559 2000 HO_{29}	67.9631	0.30	2	DWF
81560 2000 HZ_{29}	116.507	0.73	2	DWF
81566 2000 HG_{33}	25.3796	0.35	2	DWF
81567 2000 HH_{33}	10.2226	0.19	2	DWF
81582 2000 HZ_{45}	21.5341	0.23	2	DWF
81588 2000 HK_{49}	68.7098	0.26	2	DWF
81590 2000 HN_{49}	26.170	0.70	2 A	SWF
81620 2000 HX_{72}	6.35	0.43	2	SWF
81623 2000 HY_{73}	23.7711	0.21	2	DWF
81628 2000 HF_{76}	5.077	0.78	2 p	SWF
81633 2000 HH_{77}	192.568	0.52	2	DWF
81645 2000 HY_{81}	4.950	0.80	3	
81647 2000 HT_{83}	28.2285	0.14	2	DWF
81655 2000 HS_{86}	5.529	0.53	2	SWF
81675 2000 JO	85.614	0.83	2	SWF
81678 2000 JX_{2}	3.09703	0.28	2	DWF
81694 2000 JT_{15}	10.8605	0.25	2	DWF
81700 2000 JU_{19}	2.507	0.24	2	SWF
81713 2000 JC_{27}	4.049	0.10	1	SWF
81715 2000 JA_{28}	87.1241	0.60	2	DWF
81718 2000 JC_{31}	4.6592	0.50	2	DWF
81722 2000 JY_{34}	S 20.8607		2 p N	LCI-W
81725 2000 JV_{35}	13.56	0.80	2	SWF
81740 2000 JA_{46}	9.343	0.45	2 p	SWF
81748 2000 JC_{53}	2.39823	0.30	2	DWF
81753 2000 JZ_{57}	2.50977	0.23	2	DWF
81767 2000 JV_{65}	6.536	0.58−0.65	2	SWF
81781 2000 JA_{74}	11.455	0.53	2	SWF
81788 2000 JQ_{81}	85.	0.45	2−	
81798 2000 KB_{2}	176.263	0.28	2 A	DWF
81802 2000 KN_{6}	8.49	0.50	2−	SWF
81816 2000 KR_{32}	24.4113	0.14	2	DWF
81818 2000 KP_{35}	6.35551	0.22	2	DWF
81826 2000 KP_{42}	3.13572	0.17	2	DWF
81828 2000 KT_{44}			HN	DWF

Planet	Period	Variation	Note	Survey
81836 2000 KX_{47}	15.6576	0.20	2	DWF
81847*2000 KO_{58}	4.930	0.65−0.86	2	DWF
81848 2000 KX_{58}	13.0827	0.20	2	DWF
81851 2000 KO_{60}	7.70555	0.22	2	DWF
81861 2000 KK_{71}	3.88007	0.06	2	DWF
81880 2000 LP_{13}	172.889	0.48	2	DWF
81884 2000 LL_{17}	21.607	0.39	2	DWF
81887 2000 LS_{22}	3.474	0.28	2	SWF
81891 2000 LV_{26}	30.2176	0.17	2	DWF
81895 2000 LP_{31}	S 15.6030		2 p N	LCI-W
81909 2000 NY_{3}	3.30795	0.21	2	DWF
81911 2000 NV_{9}	S 6.95480		2 p N	LCI-W
81916 2000 NM_{12}	4.39556	0.43	2	DWF
81922 2000 NV_{22}	12.150	0.37	2	SWF
81929 2000 OE	10.8611	0.21	2	DWF
81952 2000 PG_{13}	4.01298	0.27	2	DWF
81954 2000 PT_{17}	3.57	0.37	2	SWF
81957 2000 QG_{14}	7.27	0.81	2	SWF
81964 2000 QX_{35}	4.019	0.33	2	SWF
81975 2000 QH_{78}	8.03	0.37	2+	
81985 2000 QV_{122}		0.59		SWF
82007 2000 RU_{34}	S 7.17943		2 p N	LCI-W
82017 2000 SX_{6}	17.3533	0.20	2	DWF
82032 2000 SQ_{103}	S 6.08292		2 p N	LCI-W
82055 2000 TY_{40}	S 13.57226		2 p N	LCI-W
82060 2000 WX_{8}	2.7631	0.20−0.32	3	
82066 2000 XG_{15}	11.23	0.15−0.19	2	
82069 2000 YW_{12}	27.8924	0.48	2	DWF
82071 Debrecen	8.92505	0.14	2	DWF
82075 2000 YW_{134}		<0.1	BH	
82076 2001 AU_{25}	4.03263	0.15	2	DWF
82078 2001 AH_{46}	19.57	0.41	3−	
82083 2001 BN_{62}	2.98105	0.10	2	DWF
82091 2001 DE_{81}	8.06704	0.21	2	DWF
82106 2001 FG_{45}	>1.78	>0.17		SWF
82120 2001 FG_{76}	21.8003	0.25	2	DWF
82122 2001 FR_{77}	15.4317	0.23	2	DWF
82124 2001 FO_{78}	24.9941	0.07	2 A	DWF
82125 2001 FM_{82}	2.554	0.64	2	SWF
82127 2001 FX_{89}	4.47	0.71	2	SWF
82138 2001 FU_{123}	81.7742	0.41	2 A	DWF
82155 2001 FZ_{173}		<0.06		
82158 2001 FP_{185}		<0.06		
82163 2001 GA_{11}	8.2	0.35	2	
82164 2001 GF_{11}	197.692	0.85	2	DWF
82189 2001 HN_{28}	>0.97	>0.14		SWF
82197 2001 HH_{35}	>0.43	>1.12		SWF
82203 2001 HH_{38}	4.47	0.36	2	SWF
82219 2001 HA_{55}	4.40889	0.18	2	DWF
82224 2001 HC_{59}	4.00	0.19	2	SWF
82238 2001 JN_{4}	25.3262	0.37	2	DWF
82248 2001 KM_{1}	3.890		2	SWF
82249 2001 KO_{1}	16.0502	0.18	2	DWF
82250 2001 KW_{2}	109.385	0.79	2	DWF
82251 2001 KZ_{3}	6.62	1.19	2	SWF
82256 2001 KM_{8}	3.03592	0.34	2	DWF
82262 2001 KG_{13}	5.630	0.76	2	SWF
82266 2001 KB_{15}	5.24036	0.57	2	DWF
82294 2001 KO_{38}	S 3.113827		2 p N	LCI-W
82295 2001 KR_{39}	69.2637	0.48	2	DWF
82298 2001 KL_{40}	4.3822	0.39	3−	
82315*2001 KF_{59}	22.395	0.51−0.53	2 p	SWF
82331 2001 LC_{5}	4.49413	0.39	2	DWF
82333 2001 LF_{7}	2.303	0.09	1	SWF
82347 2001 LO_{18}	281.879	0.25	2	DWF
82355 2001 MY_{2}	5.297	0.65	2	SWF
82363 2001 MF_{7}	7.609	0.70	2	SWF
82364 2001 MW_{7}	>0.85	>0.34		SWF
82371 2001 MM_{14}	17.782	0.26	2	SWF
82384 2001 MV_{20}	2.44	0.21	2	SWF
82396 2001 NR_{1}	5.214	0.28	2	SWF
82401 2001 NF_{6}	13.037	0.74	2	SWF
82415 2001 NM_{16}	14.8676	0.42	2	DWF
82420 2001 NN_{17}	7.40599	0.29	2	DWF
82432 2001 OJ_{1}	288.214	0.48	2	DWF
82442 2001 ON_{8}	6.27	0.40−0.46	2	SWF
82451 2001 ON_{10}	343.808	0.54	2	DWF
82483 2001 OH_{34}	8.773	0.31	2	SWF
82495 2001 OC_{41}	10.95	0.20	2−	SWF
82506 2001 OC_{48}	14.6106	0.16	2	DWF
82520 2001 OP_{53}	6.25505	0.77	2	DWF
82524 2001 OE_{55}	4.033	0.62	2	SWF
82525 2001 OM_{55}	5.966	0.70	2	SWF
82528 2001 OW_{57}	593.365	0.08	2	DWF
82539 2001 ON_{65}	6.83222	0.24	2	DWF
82547 2001 OB_{69}			HN	DWF
82554 2001 OA_{72}	2.55	0.49	2−	SWF
82564 2001 OY_{79}	>1.35	>0.09		SWF
82570 2001 OR_{82}	3.14895	0.15	2	DWF
82572 2001 OU_{83}	24.2112	0.48	2	DWF
82581 2001 OC_{87}	4.24017	0.36	2	DWF
82590 2001 OO_{89}	23.353	0.43	2	SWF
82593 2001 OW_{90}	6.00	0.72	2	SWF
82613 2001 OE_{101}	87.9105	0.76	2	DWF
82630 2001 OY_{106}	5.0203	0.44	2	DWF
82633 2001 OB_{108}	173.56	0.64	2	DWF
82642 2001 PX_{5}	S 11.61144		2 p N	LCI-W
82647 2001 PS_{10}	6.34055	0.54	2	DWF
82660 2001 PG_{16}	5.631	0.33−0.95	2	
82663 2001 PW_{17}	27.43	1.12	2	DWF
82668 2001 PP_{20}	5.98519	0.71	2	DWF
82681 2001 PY_{25}			HN	DWF
82683 2001 PZ_{26}	4.36	0.50	2	SWF
82685 2001 PG_{33}	S 12.41845		2 p N	LCI-W
82687 2001 PO_{33}	60.5877	0.27	2	DWF
82697 2001 PQ_{36}	70.4418	0.28	2	DWF
82698 2001 PS_{36}	1.68703	0.27	2	DWF
82730 2001 PZ_{58}	17.328	0.56	2	SWF
82732 2001 PS_{59}	5.8267	0.26	2	DWF
82752 2001 QG_{7}	33.372	0.36	2	SWF
82753 2001 QO_{7}	3.62	0.50	2	SWF
82767 2001 QR_{12}	7.150	0.37−0.40	2	SWF
82778 2001 QP_{17}	5.84691	0.50	2 A	DWF
82795 2001 QQ_{25}	2.6005	0.14	2	DWF
82813 2001 QJ_{35}	4.862	0.43	2	SWF
82842 2001 QK_{50}	6.650	0.60	2	SWF
82852 2001 QT_{53}	3.18467	0.29	2	DWF
82862 2001 QP_{60}	701.184	0.46	2	DWF
82906 2001 QJ_{99}	15.2439	0.27	2	DWF
82913 2001 QN_{103}	14.9055	0.15	2	DWF
82914 2001 QS_{103}	4.45802	0.18	2	DWF
82915 2001 QA_{104}	114.96	0.47	2	DWF
82933 2001 QU_{112}	22.5109	0.26	2	DWF
82934 2001 QX_{112}	72.3576	0.25	2	DWF
82937 Lesicki	8.191	0.40	2	SWF
82943 2001 QG_{117}	36.154	0.36−0.38	2	SWF
82946 2001 QN_{119}	19.5095	0.20	2	DWF
82957 2001 QU_{127}	15.7418	0.34	2	DWF
82967 2001 QV_{132}	>5.40	>0.33		SWF
82971 2001 QD_{135}	8.172	0.84	2	SWF
82995 2001 QJ_{155}	8.143	0.63	2	SWF
83000 2001 QG_{159}	16.043	0.07	1	SWF
83001 2001 QB_{160}	2.28	0.18	2	SWF
83034 2001 QT_{183}	8.73	0.36	2	SWF
83046 2001 QW_{195}	23.279	0.09	1	SWF
83049 2001 QX_{196}	7.759	0.40	2	SWF
83073 2001 QE_{216}	3.73	0.21	2	SWF
83101 2001 QD_{237}	11.728	0.19	2	DWF
83108 2001 QY_{239}	3.92	0.26	1+	SWF
83109 2001 QR_{240}	21.05	0.49	2	SWF
83110 2001 QY_{240}	>4.43	>0.38		SWF
83111 2001 QG_{241}	9.71227	0.31	2	DWF
83119 2001 QX_{244}	3.087	0.60	2	SWF
83130 2001 QW_{257}	3.92596	0.35	2	DWF
83142 2001 QN_{263}	22.5746	0.18	2	DWF
83150 2001 QA_{268}	5.738	0.47−0.51	2	SWF
83152 2001 QS_{268}	16.6245	0.33	2	DWF
83155 2001 QZ_{271}	14.6299	0.47	2	DWF
83201 2001 RA_{7}	7.061		2−	SWF
83218 2001 RP_{27}	157.958	0.80	2	SWF
83241 2001 RH_{52}	3.465	0.56	2	SWF
83246 2001 RY_{57}	7.56	0.27	2	SWF
83264 2001 RH_{75}	6.350	0.61	2	SWF
83270 2001 RK_{79}	13.858	0.58	2	SWF
83273 2001 RY_{80}	33.7793	0.46	2	DWF
83278 2001 RQ_{84}	3.332	0.36	2	SWF
83281 2001 RH_{86}	14.056	0.43	2	SWF
83287 2001 RQ_{90}	3.98	0.60	2+	SWF
83312 2001 RF_{114}	21.1353	0.19	2	DWF
83323 2001 RE_{125}	3.15	0.38−0.39	2	SWF

Planet	Period	Variation	Note	Survey
83325 2001 RE_{128}	3.70	0.48	2	SWF
83338 2001 RH_{134}	4.667	0.69−0.70	2	SWF
83344 2001 RU_{139}	5.686	0.17	2	SWF
83349 2001 RR_{146}	10.808	0.35	2	SWF
83374 2001 SF_{9}	356.355	0.48	2	SWF
83391 2001 SH_{22}	4.666	0.10	1+	SWF
83411 2001 SE_{38}	>5.28	>0.22		SWF
83422 2001 SV_{43}	9.64	0.59−0.60	3−	SWF
83431 2001 SR_{47}	54.2146	0.23	2	DWF
83437 2001 SE_{55}	5.66316	0.22	2	DWF
83450 2001 SP_{60}	4.612	0.62−0.83	3	
83451 2001 SR_{60}	35.5579	0.65	2	DWF
83459 2001 SS_{64}	5.550	0.59	2	SWF
83467 2001 SE_{75}	5.37743	0.18	2	DWF
83468 2001 SP_{75}	9.26705	0.52	2	DWF
83470 2001 SF_{76}	>1.15	>0.13		SWF
83473 2001 SA_{79}	4.896	0.71	2	SWF
83481 2001 SO_{88}	8.05	0.57	2	SWF
83490*2001 SB_{106}	5.363	0.19−0.47	2	SWF
83492 2001 SE_{107}	29.8853	0.28	2	DWF
83497 2001 SV_{116}	5.74174	0.72	2	DWF
83499 2001 SJ_{117}	4.926	0.58	2	SWF
83505 2001 SF_{124}			HN	DWF
83520 2001 SX_{142}	3.708	0.15	2	SWF
83524 2001 ST_{148}		0.58		SWF
83537 2001 SU_{163}	3.03	0.38	2	SWF
83541 2001 SP_{164}	68.7275	0.32	2	DWF
83543 2001 SM_{167}	80.3035	0.35	2	DWF
83544 2001 SS_{169}	38.2208	0.14	2	DWF
83547 2001 SP_{173}	13.7197	0.22	2	DWF
83571 2001 SH_{225}	171.304	0.52	2	DWF
83597 2001 SU_{263}	5.494	0.54	2	SWF
83601 2001 SO_{266}	>1.13	>0.40		SWF
83616 2001 SW_{287}	8.42	0.69	2	SWF
83621 2001 SL_{307}	>5.07	>0.17		SWF
83627 2001 SN_{315}	7.836	0.55	2	SWF
83629 2001 SY_{316}	11.872	0.37	2	SWF
83650 2001 TR_{3}	4.81	0.65	2	SWF
83656 2001 TP_{12}	30.347		2−	SWF
83669 2001 TV_{29}	6.252	0.20	2−	SWF
83672*2001 TD_{35}	16.148	0.13−0.24	2	SWF
83673 2001 TN_{35}	11.926	0.08	1	SWF
83687 2001 TQ_{54}	10.1744	0.30	2	DWF
83701 2001 TA_{75}	2.94	0.21	2	SWF
83711 2001 TH_{82}	3.555	0.20−0.25	2	SWF
83714 2001 TU_{86}	20.0035	0.23	2	DWF
83723 2001 TN_{98}	S 29.3891		2 p N	LCI-W
83739 2001 TO_{128}	24.4905	0.20	2	DWF
83747 2001 TR_{136}	45.2937	0.28	2	DWF
83773 2001 TN_{171}	26.9262	0.21	2	DWF
83805 2001 TM_{225}	4.93	0.57	2	SWF
83806 2001 TX_{225}	11.2825	0.34	2	DWF
83820 2001 UJ_{4}	63.132	0.18	2	SWF
83826 2001 UW_{20}	33.832	0.46	2	SWF
83828 2001 UW_{21}	3.29096	0.48	2	DWF
83831 2001 UE_{23}	4.452	0.31−0.33	2	SWF
83834 2001 UQ_{24}	3.830	0.25	2	SWF
83839 2001 UG_{32}	7.89544	0.41	2	DWF
83840 2001 UZ_{34}	5.43731	0.15	2	DWF
83857 2001 US_{59}	3.48	0.53	3−	SWF
83862 2001 UY_{71}	7.74296	0.41	2	DWF
83867*2001 UC_{77}	53.4915	0.25	2 p A	DWF
83875 2001 UA_{95}	4.17	0.29	2	SWF
83884 2001 UW_{123}	3.736	0.09	1	SWF
83888 2001 UL_{127}	43.8218	0.34	2	DWF
83900 2001 UN_{157}		1.1	I	
83902 2001 UX_{164}	10.322	0.56	2	SWF
83909 2001 UB_{189}	7.109	0.60	2	SWF
83910 2001 UA_{210}	90.3506	0.20	2	DWF
83913 2001 VF_{6}	4.6673	1.00	3−	SWF
83916 2001 VS_{8}	16.065	0.26	2	DWF
83917 2001 VB_{11}	4.40	0.45	2	SWF
83919 2001 VX_{12}			HN	DWF
83920 2001 VX_{15}	5.447	0.54	2	SWF
83924 2001 VZ_{23}	9.30	0.59	2	SWF
83927 2001 VD_{48}	26.9963	0.37	2	DWF
83936 2001 VY_{86}	8.51136	0.18	2	DWF
83939 2001 VX_{105}	S 8.77974		2 p N	LCI-W
83953 2001 WA_{97}	S 12.65515		2 p N	LCI-W
83955 2001 XR_{6}	21.82	0.63	2	SWF
83958 2001 XA_{36}	246.062	0.87	2	SWF
83962 2001 XW_{123}	5.19	0.66	2	SWF
83963 2001 XM_{202}	9.469	0.91	2	SWF
83973*2002 AS_{181}	3.84631	0.34	2 p	DWF
83982 Crantor	13.94	0.14	1 A	
83984 2002 GL_{77}	5.752	0.08−0.16	1 H	DWF
83988 2002 LC_{34}	53.595	0.48−0.62	2	SWF
83991 2002 MS_{1}	S 8.24500		2 p N	LCI-W
83999 2002 NV_{26}	46.776	0.08	1	SWF
84000 2002 NG_{27}	8.961	0.26	2	SWF
84035 2002 PX_{49}	3.51031	0.18	2	DWF
84042 2002 PQ_{56}	8.07	0.76	2	SWF
84045 2002 PN_{58}	240.	0.5	1	SWF
84084 2002 QT_{21}	15.970		2	SWF
84134 2002 RN_{49}	2.40	0.15	2	SWF
84135 2002 RD_{51}	4.02	0.15	1	SWF
84142 2002 RV_{58}	32.1949	0.34	2	DWF
84154 2002 RS_{81}	>2.42	>0.10		SWF
84158 2002 RM_{84}	5.78064	0.18	2	DWF
84185 2002 RM_{107}	7.94691	0.13	2	DWF
84203*2002 RD_{133}	17.728	0.58−0.62	3−	
84204 2002 RZ_{133}	2.94121	0.19	2	DWF
84208 2002 RA_{139}	6.29317	0.43	2	DWF
84214 2002 RY_{167}	9.72	0.68	2	SWF
84229 2002 SH_{15}	32.5815	0.46	2	DWF
84284 2002 TQ_{26}	18.9143	0.20	2	DWF
84303 2002 TX_{39}	6.962		2−	SWF
84305 2002 TH_{40}	2.390	0.07	1	SWF
84323 2002 TA_{48}	17.3324	0.20	2	DWF
84334 2002 TP_{53}	3.33628	0.32	2 A	DWF
84340 Jos	4.19	0.18	2−	SWF
84360 2002 TW_{83}	6.02	0.71	3−	SWF
84367 2002 TL_{114}	S 6.05565		2 p N	LCI-W
84379 2002 TB_{138}	2.557	0.10	1	SWF
84387 2002 TA_{158}	35.4605	0.22	2	DWF
84394 2002 TD_{174}	6.71	0.65	2	SWF
84402 2002 TD_{180}	3.56308	0.33	2	DWF
84404 2002 TB_{181}	31.7708	0.25	2	DWF
84407 2002 TU_{181}	11.85	0.43	2	SWF
84450 2002 TZ_{241}	>0.97	>0.33		SWF
84478 2002 TC_{266}	3.3167	0.48	3	SWF
84486 2002 TY_{275}	2.64	0.16	2	SWF
84504 2002 TL_{286}			HN	DWF
84506 2002 TE_{288}	10.352	0.44−0.45	2	SWF
84509 2002 TZ_{288}	2.431	0.10	1	SWF
84512 2002 TK_{291}	2.911	0.19	2	SWF
84513 2002 TQ_{291}	306.992	0.80	2	DWF
84522 2002 TC_{302}	5.41	0.04	1+ 1	
84528 2002 UP_{9}	1.26001	0.14	2	DWF
84529 2002 UK_{10}	>5.42	>0.12		SWF
84533 2002 UO_{16}	42.8273	0.49	2	DWF
84543 2002 UJ_{28}	3.04244	0.14	2	DWF
84571 2002 VR_{13}	2.951	0.39	2	SWF
84597 2002 VD_{31}	5.351	0.08	1	SWF
84609 2002 VE_{36}	8.298	0.69	2	SWF
84626 2002 VB_{47}	6.889	0.64	2	SWF
84631 2002 VW_{51}	308.111	0.54	2	SWF
84660 2002 VZ_{78}	5.787	0.86	2	SWF
84662 2002 VU_{80}	14.8701	0.27	2	DWF
84668 2002 VS_{82}	6.67	0.61	2+	SWF
84670 2002 VF_{83}	19.0732	0.15	2	DWF
84680 2002 VN_{89}	67.3006	0.34	2	DWF
84714 2002 VE_{123}	2.300	0.08	1	SWF
84723 2002 WO_{3}	8.69411	0.48	2 A	DWF
84730 2002 WB_{10}	14.0701	0.21	2	DWF
84735 2002 WO_{12}	172.532	0.43	2	DWF
84744 2002 XX_{2}	25.8427	0.35	2	DWF
84748 2002 XQ_{9}	6.52	0.74	2	SWF
84752 2002 XT_{11}	S 6.58529		2 p N	LCI-W
84789 2002 XF_{83}	30.2284	0.29	2	DWF
84794 2002 XY_{87}	3.206	0.19	2	SWF
84825 2002 YE_{26}	4.02	0.44	2	SWF
84829 2003 AN	4.30358	0.39	2	DWF
84845 2003 AV_{22}	14.7562	0.22	2	DWF
84847 2003 AW_{28}	8.28	0.35	2	SWF
84852 2003 AN_{38}		0.52		SWF
84865 2003 BM_{7}	10.2788	0.27	2	DWF
84879 2003 BX_{88}	>1.97	>0.27		SWF
84890 2003 NP_{9}	19.2	0.07	1 A	
84902 Porrentruy	S 8.28926		2 p N	LCI-W

Planet	Period	Variation	Note	Survey
84911 2003 UH_{190}	3.80696	0.27	2	DWF
84922 2003 VS_{2}	7.42	0.21−0.23	3−	
84944 2003 WL_{153}	7.3	0.65	2	
84947 2003 WX_{169}	16.2005	0.17	2	DWF
84949 2003 WE_{171}	9.69544	0.19	2	DWF
84957 2003 XN_{13}	56.3511	0.49	2	DWF
84960 2003 XS_{21}	7.767	0.72	2	SWF
84961 2003 XU_{21}	4.63	0.29	2	SWF
84963 2003 YN_{13}	5.932	0.61	2	SWF
84966 2003 YW_{16}	15.173	0.61	2	SWF
84975 2003 YG_{43}	22.711	0.45	2	SWF
84984 2003 YL_{66}	85.8323	0.30	2	DWF
84986 2003 YC_{83}	23.522	0.27	2	DWF
84992 2003 YM_{100}	S 3.484818		2 p N	LCI-W
84995 Zselic	41.5973	0.21	2	DWF
85000 2003 YA_{125}	5.683	0.75	2	SWF
85007 2004 AK_{3}	6.738	0.09	1	SWF
85029 2755 *P–L*	136.219	0.22	2	DWF
85047 Krakatau	4.14594	0.27	2	DWF
85051 6641 *P–L*	5.932	0.45	3	SWF
85087 3090 *T–2*	6.95	1.23	2	SWF
85098 1208 *T–3*	14.7866	0.48	2	DWF
85111 4051 *T–3*	20.8523	0.26	2	DWF
85116 4342 *T–3*	60.9621	0.46	2	DWF
85118 1971 *UU*	10.098	1.12−1.15	2+	
85128 1979 *HA*	1.65369	0.14	2	DWF
85136 1979 QX_{2}	>3.62	>0.30		SWF
85169 1989 SN_{2}	10.18	0.23	2	SWF
85177 1990 SE_{3}	3.52907	0.07	2	DWF
85186 1991 PR_{2}	4.27134	0.30	2	DWF
85190*Birgitroth	20.8846	0.54	2 p	DWF
85195 von Helfta	4.8412	0.87	3 N	
85232 1993 FT_{52}			HN	DWF
85234 1993 HY_{2}	3.61767	0.23	2	DWF
85236 1993 *KH*	5.057	0.32−0.40	3	
85260 1993 TC_{23}	>1.10	>0.11		SWF
85267 Taj Mahal	33.428	0.32	2	DWF
85269 1994 AV_{5}	4.16374	0.24	2	DWF
85275 1994 *LY*	2.6962	0.07−0.16	3 B?	
85278 1994 PU_{8}	27.2368	0.54	2	DWF
85321 1995 FK_{7}	5.51604	0.34	2	DWF
85338 1995 SX_{37}	>1.1	>0.15		SWF
85361 1995 WO_{16}	2.57	0.44	2	SWF
85362 1995 WR_{32}	S 15.72008		2 p N	LCI-W
85372 1996 EO_{12}	28.1551	0.27	2	DWF
85395 1996 SQ_{4}	100.278	0.38	2	DWF
85397*1996 TN_{3}	17.0797	0.15	1	DWF
85400 Shiratakachu	8.07	0.27	2	SWF
85401 Yamatenclub	17.78	0.57	2	SWF
85424 1997 AA_{3}	7.16	0.46	2	SWF
85447 1997 GQ_{11}	2.681	0.09	1	SWF
85463 1997 JR_{1}	2.84	0.15	2	SWF
85489 1997 SV_{2}	S 5.79502		2 p N	LCI-W
85490 1997 SE_{5}	9.0583	0.23−0.40	3	
85520 1997 WO_{2}	6.66793	0.18	2	DWF
85532 1997 WD_{21}	4.768	0.53	2 p	SWF
85539 1997 WG_{37}	21.960	0.47	2	SWF
85542 1997 WU_{41}	62.3684	0.30	2	DWF
85545 1997 WL_{55}	12.4985	0.25	2	DWF
85548 1997 XX_{13}	18.5281	0.14	2	DWF
85552 1997 YR_{7}	3.735	0.19	2	SWF
85568 1998 BN_{14}	80.9941	0.31	2	DWF
85581 1998 DZ_{20}	13.2207	0.13	2	DWF
85585 Mjolnir	11.6	0.03	1	
85586 1998 FP_{8}	>16.	>0.3	1	
85595 1998 FB_{71}	9.57736	0.69	2	DWF
85603 1998 FV_{122}	42.7172	0.13	2	DWF
85609 1998 HZ_{8}	11.131		2	SWF
85611 1998 HW_{16}			HN	DWF
85618 1998 HM_{102}	15.5773	0.20	2	DWF
85620 1998 HJ_{107}	6.771	0.49	2	SWF
85628 1998 KV_{2}	2.999	0.12−0.18	2+ AB?	
85641 1998 OR_{5}	>0.9	>0.37		SWF
85644 1998 OH_{10}	4.345	0.13	2	SWF
85648 1998 PF_{1}	178.994	0.26	2	DWF
85669 1998 QK_{55}	4.368	0.67	2	SWF
85671 1998 QH_{67}	5.76451	0.31	2	DWF
85709*1998 SG_{36}	3.573	0.14	3−	
85713 1998 SS_{49}	5.370	0.06−0.18	2 A	
85716 1998 SG_{56}	21.0643	0.22	2	DWF

Planet	Period	Variation	Note	Survey
85743 1998 SU_{113}	5.853	0.52	2	SWF
85745 1998 SH_{127}	3.820	0.29	2	SWF
85747 1998 SL_{132}	16.792		2	SWF
85774*1998 UT_{18}	55.	0.83−0.86	2 T?	
85781 1998 VP_{2}	73.5006	0.43	2	DWF
85782 1998 VZ_{2}	5.379	0.41	2	SWF
85793 1998 VG_{26}	6.58	0.13	1	SWF
85799 1998 VV_{50}	3.797	0.28	2−	
85804 1998 WQ_{5}	3.0089	0.05−0.10	2	
85818 1998 XM_{4}	19.451	0.97−1.30	3−	
85828 1998 XN_{53}	S 12.27879		2 p N	LCI-W
85834*1998 XM_{74}	2.86	0.17−0.31	2	SWF
85836 1998 YF_{2}	5.36	0.11	2	SWF
85839*1998 YQ_{4}	2.45	0.04	1	
85854 1999 AE_{13}	46.054	0.49	2	SWF
85863 1999 *BG*	5.83	0.33	2	SWF
85865 1999 BW_{8}	6.39792	0.65	2	DWF
85867*1999 BY_{9}	700.	1.5	1+ T?	
85872 1999 BH_{31}	66.475	0.83	2	SWF
85873 1999 CE_{1}	183.228	0.37	2	DWF
85875*1999 CR_{5}	35.2007	0.35	1+	DWF
85882 1999 CA_{25}	114.734	0.23	2	DWF
85887 1999 CE_{36}	10.266	0.92	2	SWF
85888 1999 CG_{40}	25.5148	0.20	2	DWF
85889 1999 CH_{40}	56.025	0.86	2 A	DWF
85895 1999 CS_{48}	29.1154	0.23	2	DWF
85904 1999 CH_{70}	7.019	0.64	2	SWF
85915 1999 CU_{97}	137.7	0.30	2	DWF
85929 1999 CJ_{122}	245.154	0.21	2	DWF
85931 1999 CK_{123}	18.5055	0.34	2	DWF
85938 1999 DJ_{4}	2.5141	0.10−0.11	3 B	
85944 1999 EM_{7}	77.122	0.33	2	SWF
85949 1999 EX_{14}	80.5767	0.24	2	DWF
85953*1999 FK_{21}	28.08	0.45−0.87	2 T	
85958 1999 FU_{42}	9.87	0.68	2	SWF
85959 1999 FV_{42}	89.669	0.86	2	SWF
85980 1999 HG_{3}	18.672	0.89	2	SWF
85982 1999 HQ_{6}	27.4733	0.14	2	DWF
85988 1999 JX_{5}	14.575	0.45	2	SWF
85989*1999 JD_{6}	7.6638	1.0 −1.54	3	
85990 1999 JV_{6}	6.538	0.85−0.93	3	
85991 1999 JJ_{16}	3.65	0.18	2	SWF
86011 1999 JU_{94}	6.021	0.29	2	DWF
86014 1999 JE_{99}	843.378	0.35	2	DWF
86016 1999 JK_{100}	32.5135	0.34	2	DWF
86017 1999 JA_{101}	41.2797	0.17	2	DWF
86022 1999 KJ_{14}	89.128	0.30	2	SWF
86033 1999 ND_{8}	4.24092	0.18	2	DWF
86037 1999 NN_{37}	11.9799	0.33	2	DWF
86039 1999 NC_{43}	34.49	1.10	2− AT?	
86041 1999 NN_{56}	132.915	0.61	2	DWF
86044 1999 OD_{2}	4.232	0.26	2	SWF
86046 1999 OY_{2}	20.360	0.58	2	SWF
86047 1999 OY_{3}	18.02	0.10	2	
86048 1999 PP_{1}	3.442	0.45	2	SWF
86052 1999 RM_{2}	2.112	0.09	1	SWF
86055 1999 RO_{12}	27.7534	0.21	2	DWF
86067 1999 RM_{28}	9.196	0.51−0.55	3−	
86088 1999 RR_{88}	14.628	0.40−0.41	2	SWF
86090 1999 RT_{90}	>1.50	>0.17		SWF
86094*1999 RW_{100}	6.754	0.30−0.44	2	SWF
86106 1999 RP_{113}	975.095	0.74	2	SWF
86109 1999 RV_{118}	5.745	0.51	2 p	SWF
86120 1999 RM_{140}	30.364	0.32	2	SWF
86121 1999 RE_{144}	5.384	0.65	2	SWF
86128 1999 RC_{154}	147.684	0.89	2	SWF
86129 1999 RO_{155}	176.938	0.51	2	DWF
86130 1999 RN_{156}	5.99128	0.37	2	DWF
86150 1999 RP_{200}	5.334	0.45	2	SWF
86153*1999 RE_{201}	4.493	0.46−0.51	2	SWF
86156 1999 RB_{203}	39.6118	0.22	2	DWF
86161 1999 RQ_{205}	19.714	0.22	2	DWF
86164 1999 RG_{207}	S 31.5186		2 p N	LCI-W
86168 1999 RQ_{209}	4.273	0.16	2	SWF
86171 1999 RO_{211}	>1.90	>0.11		SWF
86174 1999 RV_{212}	13.924	0.08	1	SWF
86176 1999 RO_{214}	527.236	0.46	2	DWF
86177 1999 RY_{215}		<0.05	N	
86182 1999 RA_{223}	26.6735	0.28	2	DWF
86191 1999 RY_{251}	34.602	0.40	2	SWF

Planet	Period	Variation	Note	Survey
86192 1999 SV_{1}	7.155	0.23−0.29	3	
86200 1999 SE_{26}	48.9397	0.24	2	DWF
86206 1999 TK_{9}	150.077	0.41	2	SWF
86217*1999 TB_{35}	5.994	0.74−1.00	3	
86228 1999 TW_{107}	9.817	0.09	1	SWF
86241 1999 TE_{120}	5.115	0.31	2	SWF
86244 1999 TA_{132}	9.76	0.67	2	SWF
86249 1999 TU_{160}	6.67438	0.19	2	DWF
86257 1999 TK_{207}	32.408	1.05−1.51	3 p	
86265 1999 TT_{249}	37.3486	0.32	2	DWF
86275 1999 TA_{320}	7.418	0.40	2	SWF
86281 1999 UZ_{10}	7.19028	0.20	2	DWF
86288 1999 UC_{45}	3.80762	0.22	2	DWF
86301 1999 VL_{43}	4.178	0.34	2	SWF
86302 1999 VJ_{46}	36.8698	0.23	2	DWF
86305 1999 VN_{66}	>1.33	>0.06		SWF
86307 1999 VL_{78}	2.954	0.10	1	SWF
86310 1999 VK_{96}	>0.97	>0.18		SWF
86317 1999 VH_{192}	52.9742	0.36	2	DWF
86319 1999 VF_{199}	>1.13	>0.33		SWF
86324 1999 WA_{2}	7.161	0.18	3−	
86326 1999 WK_{13}	6.36	0.08−0.14	2 A	
86329 1999 XZ_{7}	6.834	0.65−0.73	2	SWF
86331 1999 XY_{19}	8.600	0.63	2	SWF
86339 1999 XV_{40}	68.4703	0.26	2	DWF
86345 1999 XE_{84}	3.24928	0.22	2	DWF
86378 2000 AV_{18}	2.528	0.07	1	SWF
86388 2000 AT_{60}	10.23	0.26	2	
86389 2000 AM_{67}	3.89108	0.16	2	DWF
86401 2000 AF_{143}	30.	0.65	2	
86417 2000 AM_{242}	14.902	0.34	2	SWF
86429 2000 BJ_{29}	17.3088	0.43	2	DWF
86438 2000 CN_{16}	>0.87	>0.55		SWF
86450 2000 CK_{33}	6.6045	1. −1.2	3	
86467 2000 CB_{70}	>0.82	>0.57		SWF
86469 2000 CV_{70}	8.007		2−	SWF
86474 2000 CT_{79}	9.50	0.21	2	SWF
86492 2000 DN_{15}	5.466	0.41	2	SWF
86505*2000 DS_{42}	6.004	0.84−0.86	2	SWF
86506 2000 DR_{43}	376.719	0.61	2	DWF
86519 2000 DM_{68}	5.504	0.59	2 p	SWF
86520 2000 DH_{69}	4.38	0.21	2	SWF
86525 2000 DD_{76}	6.17	1.06	2	SWF
86527 2000 DH_{76}	3.466	0.40	2	SWF
86532 2000 DO_{86}	4.47256	0.29	2	DWF
86544 2000 DX_{106}	3.10418	0.27	2	DWF
86553 2000 ER_{8}	4.98796	0.33	2	DWF
86565 2000 EW_{30}	1.38406	0.12	2 A3	DWF
86597 2000 EG_{68}	3.608	0.47	2	SWF
86601 2000 EU_{75}	14.108	0.28	2	SWF
86614 2000 EA_{103}	164.513	0.28	2	DWF
86620 2000 EY_{120}	>2.37	>0.17		SWF
86636 2000 ER_{133}	202.984	0.67	2	DWF
86638 2000 EQ_{134}	2.74	0.17	2	SWF
86649 2000 EM_{152}	3.31	0.14	2	SWF
86653 2000 EY_{170}			HN	DWF
86656 2000 EH_{184}	5.14435	0.73	2 A	DWF
86666 2000 FL_{10}	206.	0.85	2 T?	
86667 2000 FO_{10}	26.	0.7	1	
86669 2000 FV_{14}	20.908	0.42	2	SWF
86694 2000 FC_{49}	57.018	0.55−0.56	2	SWF
86696 2000 FO_{49}	4.87	1.00−1.41	2 p	SWF
86715 2000 GO_{9}	51.06	0.46	2	SWF
86718 2000 GO_{14}	2.56	0.17	1+	SWF
86721 2000 GJ_{28}	5.19	0.25	2	SWF
86725 2000 GG_{32}	6.42	0.40−0.61	2	SWF
86740 2000 GM_{51}	5.13	0.58	2	SWF
86742 2000 GR_{53}	44.268	0.33	2	SWF
86749 2000 GF_{60}	180.059	0.62	2	DWF
86759 2000 GX_{72}	5.55	0.73−0.88	2	SWF
86773 2000 GT_{88}	53.8917	0.36	2	DWF
86786 2000 GS_{97}	748.578	0.30	2	DWF
86805 2000 GR_{115}	7.21516	0.45	2	DWF
86819 2000 GK_{137}	3.0239	0.12−0.27	2 A	
86824 2000 GS_{140}	2.87	0.42	2	SWF
86829 2000 GR_{146}	3.0996	0.12−0.14	3	
86834 2000 GY_{156}	>0.45	>0.52		SWF
86863 2000 HY_{14}	14.2693	0.22	2	DWF
86865 2000 HV_{16}	>1.97	>0.28		SWF
86878 2000 HD_{24}	15.72	0.28	2	
86882 2000 HE_{27}	3.82	0.31	2	SWF
86887 2000 HV_{29}	17.1073	0.31	2	DWF
86893 2000 HK_{33}	5.748	0.77	2	SWF
86912 2000 HN_{50}	3.15	0.42	2+	SWF
86915 2000 HV_{51}	368.553	0.64	2	DWF
86927 2000 HH_{61}	13.4386	0.18	2	DWF
86933 2000 HB_{66}	5.374	0.79	2	SWF
86945 2000 HE_{85}	26.8135	0.17	2	DWF
86948 2000 HK_{86}	48.243		2−	SWF
86952 2000 HT_{89}	12.523	0.10	1	SWF
86981 2000 JM_{24}	3.34362	0.23	2	DWF
87013 2000 JP_{57}	4.886		2−	SWF
87015 2000 JJ_{58}	6.04281	0.34	2	DWF
87021 2000 JR_{65}	51.4911	0.10	2	DWF
87026 2000 JH_{76}	6.38	0.42	2	SWF
87028 2000 JA_{78}	6.02	0.25−0.30	2	SWF
87032 2000 JE_{84}	40.0708	0.23	2	DWF
87033 2000 KK	36.8488	0.25	2	DWF
87039 2000 KT_{5}	70.344	0.33	2	SWF
87046 2000 KT_{12}	8.698		2	SWF
87048 2000 KT_{20}	5.912	0.80	2	SWF
87052 2000 KG_{27}	1.46965	0.14	2	DWF
87061 2000 KP_{45}	22.86	0.47	2	SWF
87068 2000 KN_{58}				SWF
87072 2000 KF_{62}	6.1329	0.41	2	DWF
87073 2000 KF_{66}	10.972	0.20	2	
87086 2000 KZ_{81}	3.23	0.18	1	SWF
87087 2000 KA_{83}	8.225	0.70	2	SWF
87090 2000 LX_{2}	34.904	0.18	2	SWF
87098 2000 LS_{10}	14.532	0.60	2	SWF
87104*2000 LH_{18}	44.7803	0.11−0.64	2	DWF
87105 2000 LX_{18}	7.33	0.47	2	SWF
87116 2000 LQ_{30}	6.821	0.78	2	SWF
87132 2000 NQ_{4}	11.1114	0.38	2	DWF
87134 2000 NS_{5}	412.657	0.84	2	SWF
87135*2000 NU_{5}	16.0290	0.13	2+ 6A	
87141 2000 ND_{13}	6.40937	0.35	2	DWF
87143 2000 NQ_{14}	10.3919	0.19	2	DWF
87145 2000 NC_{15}	62.5106	0.20	2	DWF
87156 2000 NM_{21}	>5.30	>0.09		SWF
87158 2000 NP_{22}	15.0724	0.19	2	DWF
87163 2000 NN_{25}	21.0606	0.21	2	DWF
87173 2000 OE_{5}	289.366	0.30	2	DWF
87176 2000 OZ_{5}	112.947	0.69	2	DWF
87179 2000 ON_{7}	3.760	0.26	1+	
87208 2000 OQ_{32}	4.914	0.67−0.87	2	SWF
87211 2000 OP_{36}	2.833	0.08	1	SWF
87218 2000 OS_{38}	36.5762	0.19	2	DWF
87224 2000 OG_{41}	45.494	0.21	2	SWF
87228*2000 OD_{42}	18.18	0.15−1.8	2	
87230 2000 OZ_{42}	>20.	>0.15	1	SWF
87231 2000 OB_{43}	967.271	0.58	2	SWF
87234 2000 OX_{43}	3.56	0.25	2	SWF
87235*2000 OM_{44}	6.376	0.30−0.55	2	SWF
87239 2000 OH_{45}	5.969	0.21	2	SWF
87240 2000 OJ_{45}	59.8795	0.21	2	DWF
87252 2000 OM_{50}	13.644	0.28	2	SWF
87254 2000 OY_{52}	82.440	0.67	2	SWF
87257 2000 OO_{53}	53.5924	0.53	2	DWF
87274 2000 PB_{8}	34.0356	0.18	2	DWF
87282 2000 PW_{12}	94.0686	0.25	2	DWF
87290 2000 PF_{18}	52.520	0.66	2	SWF
87299 2000 PU_{24}	22.792	0.36	2	DWF
87304 2000 PY_{26}	>0.93	>0.13		SWF
87309 2000 QP	2.1651	0.10	2	
87312 Akirasuzuki	3.25	0.14	2	SWF
87319 2000 QD_{9}	46.2766	0.44	2	DWF
87322 2000 QX_{10}	163.686	0.38	2	DWF
87340 2000 QB_{23}	5.73913	0.26	2	DWF
87343*2000 QH_{25}	12.9294	0.11	2−	DWF
87370 2000 QY_{50}	6.86	0.55	2	SWF
87389 2000 QT_{66}	3.01	0.48	2	SWF
87405 2000 QP_{77}	9.017	0.66−0.68	2	SWF
87412 2000 QE_{88}	232.401	0.43	2	DWF
87421 2000 QS_{97}	6.790	0.43−0.49	2	SWF
87426 2000 QH_{101}	5.8	0.14	1 N	
87428 2000 QY_{102}	4.7481	0.16	2	DWF
87448 2000 QA_{118}	15.953	0.14	2	DWF
87462 2000 QS_{127}	3.82632	0.23	2	DWF
87473 2000 QK_{137}	S 19.0587		2 p N	LCI-W

Planet	Period	Variation	Note	Survey
87487 2000 QY_{153}	5.899	0.34	2	SWF
87496 2000 QJ_{162}	77.5354	0.25	2	DWF
87501 2000 QD_{169}	5.223	0.32	2	SWF
87530 2000 QG_{200}	5.11	0.34	2−	SWF
87560 2000 RE_{4}	2.61	0.23	2	SWF
87563 2000 RP_{6}	2.85	0.40	2	SWF
87564 2000 RQ_{9}	3.23895	0.09	2	DWF
87565 2000 RE_{10}	8.59719	0.44	2	DWF
87567 2000 RC_{11}	3.28	0.25	2	SWF
87575 2000 RN_{14}	13.9831	0.26	2	DWF
87576 2000 RY_{14}	9.43756	0.29	2	DWF
87577 2000 RH_{15}	17.2389	0.15	2	DWF
87580 2000 RE_{16}	144.882	0.45	2	SWF
87591 2000 RX_{26}	19.4797	0.28	2	DWF
87595 2000 RM_{30}	28.0466	0.31	2	DWF
87603 2000 RD_{40}	11.9229	0.75	2	DWF
87607 2000 RA_{44}	3.257	0.18−0.19	2	SWF
87611 2000 RP_{44}	11.819	0.22	2	SWF
87617 2000 RB_{48}	10.224	0.49	2	SWF
87629 2000 RX_{54}	2.98146	0.22	2	DWF
87630 2000 RE_{55}	34.4	0.28	2	DWF
87632 2000 RF_{64}	14.6	0.18	2− H	DWF
87639 2000 RZ_{67}	20.9269	0.21	2	DWF
87642 2000 RF_{73}	4.61	0.50−0.60	2+	SWF
87644 2000 RJ_{77}	10.654	0.50	2	SWF
87649*2000 RE_{80}	2.47188	0.21	2	DWF
87653 2000 RQ_{86}	14.247	0.72	2	SWF
87662 2000 RO_{96}	4.64612	0.32	2	DWF
87669 2000 RE_{99}	56.446	0.50	2	SWF
87677 2000 RT_{102}	5.65	0.43	1	SWF
87684 2000 SY_{2}	2.5712	0.09−0.10	2	
87694 2000 SX_{13}	17.781	0.40	2	SWF
87712 2000 SA_{34}	40.266	0.66	2	SWF
87722 2000 SD_{46}	110.584	0.30	2	DWF
87724 2000 SH_{46}	62.2545	0.32	2	DWF
87726 2000 SZ_{46}	3.845	0.52	2	SWF
87730 2000 SJ_{50}	>1.48	>0.67		SWF
87740 2000 SK_{63}	14.7647	0.13	2	DWF
87742 2000 SH_{65}	7.33	0.99	2	SWF
87749 2000 SU_{72}	67.3359	0.53	2	DWF
87799*2000 SP_{130}	7.	0.16−0.41	2−	
87804 2000 SS_{137}	6.23	0.24	1	SWF
87806 2000 SR_{140}	6.49	0.99	2 p	SWF
87810 2000 SE_{145}	4.602	0.53	2	SWF
87811 2000 SO_{145}	55.2	0.45	2−	
87817 2000 SF_{157}	8.40825	0.31	2	DWF
87840 2000 SW_{193}	11.282	0.71	2	SWF
87846 2000 SS_{209}	70.9136	0.14	2	DWF
87851 2000 SD_{218}	19.7321	0.30	2	DWF
87852 2000 SP_{219}	54.0801	0.18	2	DWF
87855 2000 SB_{220}	12.463	0.57−0.74	2	SWF
87864 2000 SQ_{238}	22.848	0.13	2	DWF
87874 2000 SW_{269}	7.90636	0.26	2	DWF
87886 2000 SJ_{285}	36.9734	0.27	2	DWF
87887*2000 SS_{286}	5.7773	0.21−0.22	3	
87889 2000 SA_{288}	29.5394	0.42	2	DWF
87892 2000 SS_{292}	309.666	0.82	2	SWF
87909 2000 SH_{312}	10.9496	0.35	2	DWF
87921 2000 SC_{318}	85.776	0.53	2	SWF
87925 2000 SG_{319}	2.78151	0.16	2	DWF
87926 2000 SZ_{319}	11.026	0.16	2	SWF
87932*2000 SW_{343}	13.9726	0.26	2 p	DWF
87934 2000 SF_{347}	175.359	0.17	2	DWF
87951 2000 SZ_{368}	5.049	0.20	2	SWF
87954 Tomkaye	67.8785	0.28	2	DWF
87969 2000 TV_{37}	46.2472	0.16	2	DWF
87971 2000 TW_{38}	7.01	0.30	2	SWF
87981 2000 TS_{55}	6.534	0.56	2	SWF
87984 2000 TP_{57}	10.43	0.39	2	SWF
87988 2000 TZ_{62}	4.1	0.35	2	SWF
87997 2000 UG_{24}	5.46447	0.32	2	DWF
88005 2000 UR_{44}	15.524	0.27	1 NA	
88019 2000 UT_{66}	21.743	0.44	2	SWF
88024 2000 UU_{75}	165.951	0.59	2	DWF
88028 2000 UD_{83}	4.6153	0.24	2	DWF
88039 2000 UQ_{100}	6.348	0.49	2	SWF
88054 2000 VK_{27}	9.90876	0.17	2	DWF
88060 2000 VO_{44}	7.574	0.29	2	SWF
88068 2000 VX_{49}	7.1186	0.55	2	DWF
88074 2000 WG_{5}	6.806	0.54	2	SWF

Planet	Period	Variation	Note	Survey
88094 2000 WT_{55}	10.9801	0.27	2	DWF
88095 2000 WZ_{60}	146.615	0.24	2	DWF
88102 2000 WA_{79}	4.5117	0.47	2	DWF
88114 2000 WW_{107}	19.401	0.61	2	SWF
88115 2000 WD_{116}	5.3966	0.49	3	
88120 2000 WF_{139}	4.008	0.70	2	SWF
88139 2000 WP_{172}	3.926	0.24	2	SWF
88141 2000 WE_{174}	3.01	0.28	2−	
88144 2000 WS_{181}	6.44	0.21	2	SWF
88145 2000 WT_{182}	15.5574	0.72	2	DWF
88156 2000 XJ_{9}	23.4219	0.43	2	DWF
88161 2000 XK_{18}	6.806	0.69−0.80	3 p	
88167 2000 XD_{25}	4.42882	0.28	2	DWF
88188 2000 XH_{44}	2.6906	0.06	3	
88199 2000 YQ_{73}	4.229	0.85	2	SWF
88208 2000 YG_{120}	4.535	0.46−0.56	2	SWF
88215 2001 AR_{22}	5.05	0.28	1+	SWF
88217 2001 AY_{28}	S 4.099000		2 p N	LCI-W
88221 2001 AP_{42}	20.4576	0.15	2	DWF
88226 2001 BY_{41}	3.569	0.09	1	SWF
88227 2001 BU_{42}	6.355	0.16−0.26	1 H	DWF
88230 2001 BT_{65}	66.479	0.57−0.74	2	SWF
88236 2001 CC_{12}	3.342	0.08	1	SWF
88241 2001 CD_{23}	5.734	0.10	2− H	DWF
88242 2001 CK_{35}	575.950	0.92	2	SWF
88254 2001 FM_{129}	38.56	1.2	2 T	
88259 2001 HJ_{7}	4.166	0.09−0.15	3	
88263 2001 KQ_{1}	13.170	0.51−0.90	3	
88276 2001 MN_{6}	1.42927	0.21	2	DWF
88286 2001 MM_{24}	6.144		2	SWF
88293 2001 NZ_{9}	5.71244	0.64	2	DWF
88296 2001 NC_{14}	10.7511	0.18	2	DWF
88314 2001 OL_{30}	22.5848	0.35	2	DWF
88326 2001 OA_{52}	11.145		2−	SWF
88329 2001 OO_{57}	3.32	0.77	2	SWF
88335 2001 OG_{66}	35.7907	0.24	2	DWF
88337 2001 OA_{68}	2.75	0.17	2	SWF
88352 2001 OJ_{86}	7.01	0.17	2−	
88367 2001 PY_{8}	3.962	0.44−0.51	2	SWF
88378 2001 PH_{30}	67.9452	0.39	2	DWF
88388 2001 QT_{2}	4.477	0.60	2	SWF
88393 2001 QK_{14}	6.32373	0.19	2	DWF
88410 2001 QJ_{28}	16.0501	0.11	2	DWF
88417*2001 QJ_{48}	8.690	0.39−0.68	2	SWF
88418 2001 QA_{50}	13.050	0.67	2	SWF
88420 2001 QT_{54}	>1.15	>0.16		SWF
88424 2001 QC_{61}	2.668	0.07	1	SWF
88433 2001 QS_{68}	2.656	0.41	2	SWF
88435 2001 QW_{70}	7.184	0.68	2	SWF
88439 2001 QA_{74}	23.831		2−	SWF
88441 2001 QA_{75}	4.22238	0.33	2	DWF
88458 2001 QG_{95}	6.408	0.28	2	SWF
88460 2001 QT_{97}	3.29	0.15	2	SWF
88462 2001 QM_{99}	5.6	0.63−0.70	2 p	SWF
88472 2001 QW_{111}	5.476	0.83	2	SWF
88475 2001 QO_{113}	6.284	0.50	2	SWF
88500 2001 QZ_{138}	S 5.11358		2 p N	LCI-W
88502 2001 QC_{140}	3.05	0.27	2	SWF
88510 2001 QB_{150}	7.27447	0.22	2	DWF
88519 2001 QS_{163}	9.23	0.57	2	SWF
88521 2001 QN_{168}	5.456	0.99	3−	SWF
88522 2001 QM_{171}	27.82	0.46	1 DA	SWF
88525 2001 QU_{174}	7.62	0.88	2+	SWF
88531 2001 QO_{180}	2.90	0.44	2	SWF
88533 2001 QB_{183}	1.25486	0.14	2	DWF
88540 2001 QP_{189}	35.1837	0.52	2	DWF
88541 2001 QC_{190}	16.047	0.19	2	SWF
88550 2001 QT_{197}	7.234	0.54	2	SWF
88566 2001 QR_{242}	108.962	0.22	2	DWF
88569 2001 QT_{245}	5.05	0.70	2	SWF
88586 2001 QT_{262}	16.8519	0.25	2	DWF
88597 2001 QS_{270}			HN	DWF
88600 2001 QA_{280}	77.9839	0.34	2	DWF
88604*2001 QH_{293}	7.1730	0.48−0.53	3	
88611 Teharonhiawako			BN	
88621 2001 RR_{10}	6.19	0.44	2	SWF
88622 2001 RU_{10}	4.524	0.34−0.36	2	SWF
88626 2001 RW_{26}	4.62	0.90	2	SWF
88628 2001 RF_{34}	5.90	0.68−0.80	3 p	SWF
88666*2001 RP_{79}	4.6063	1.01	3	

Planet	Period	Variation	Note	Survey
88698 2001 RQ_{142}	3.97223	0.34	2	DWF
88699 2001 RW_{142}	94.3014	0.28	2	DWF
88704 2001 SF	6.27	0.68	2	SWF
88710 2001 SL_{9}	2.4004	0.08−0.12	3 B	
88731 2001 SJ_{36}	6.593	0.39−0.45	2	SWF
88742 2001 SU_{48}	7.44	0.66	2	SWF
88748 2001 SD_{54}	20.273		2−	SWF
88763*2001 SS_{66}	10.3056	0.42	2 1A	DWF
88768 2001 SG_{70}	79.6823	0.21	2	DWF
88780 2001 SE_{98}	>2.87	>0.25		SWF
88796 2001 SB_{116}	2.327	0.09	1	SWF
88813 2001 SJ_{147}	55.5472	0.13	2	DWF
88824 2001 SM_{158}	6.171	0.87	2	SWF
88825 2001 SG_{159}	5.297	0.69	2	SWF
88828 2001 SO_{161}	16.3285	0.22	2	DWF
88850 2001 SL_{222}	7.8	0.22	1+	
88865 2001 ST_{251}	6.40	0.71	2	SWF
88878 Bowenyueli	8.022	0.66	2	SWF
88885 2001 SD_{283}	6.82905	0.15	2	DWF
88898 2001 SN_{343}	22.0623	0.17	2	DWF
88905 2001 TN_{1}	6.394		2−	SWF
88906 Moutier	64.4919	0.27	2	DWF
88918 2001 TN_{11}	4.858	0.71	2	SWF
88925 2001 TC_{18}	10.751	0.16	2	SWF
88954 2001 TE_{42}	2.5851	0.12	3	
88955 2001 TW_{42}	5.2981	0.63	2	DWF
88959*2001 TZ_{44}	6.73	0.30	2+	
88969 2001 TU_{57}	9.42	0.33	2	SWF
88985 2001 TG_{68}	>0.92	>0.29		SWF
88987 2001 TF_{71}	52.7844	0.19	2	DWF
88996 2001 TY_{75}	10.4209	0.28	2	DWF
89008 2001 TA_{80}	19.181	0.53	2	DWF
89030 2001 TQ_{105}	42.7029	0.20	2	DWF
89038 2001 TL_{109}	261.71	0.36	2	DWF
89047 2001 TT_{115}	35.7478	0.33	2	DWF
89051 2001 TF_{118}	9.994	0.56	2	SWF
89060 2001 TG_{133}	142.641	0.29	2	DWF
89061 2001 TU_{134}	>1.02	>0.14		SWF
89062 2001 TW_{134}	253.795	0.47	2	DWF
89063 2001 TV_{146}	4.362	0.30	2	SWF
89066 2001 TZ_{147}	S 6.19578		2 p N	LCI-W
89076 2001 TH_{158}	5.553	0.76	2	SWF
89090 2001 TK_{182}	10.2	0.60	2	SWF
89096 2001 TB_{190}	2.917	0.16	2	SWF
89128 2001 UP_{7}	5.894	0.77	2	SWF
89133 2001 UV_{13}	3.55629	0.16	2	DWF
89136 2001 US_{16}	14.39	0.42−0.90	2 T	
89140 2001 UT_{21}	7.054	0.77	2	SWF
89145 2001 UH_{33}	160.589	0.54	2	DWF
89152 2001 UW_{36}	13.6122	0.67	2	DWF
89162 2001 UA_{49}	>1.15	>0.09		SWF
89180 2001 UO_{65}	16.3655	0.16	2	DWF
89182 2001 UQ_{68}	128.847	0.84	2	SWF
89195 2001 UO_{78}	151.922	0.72	2	DWF
89198*2001 UQ_{83}	7.589	0.70−0.98	2	SWF
89206 2001 UC_{98}	>5.25	>0.19		SWF
89210 2001 UH_{108}	>3.72	>0.39		SWF
89224 2001 UU_{124}	150.263	0.21	2	DWF
89238 2001 UQ_{153}	>1.0	>0.05		SWF
89246*2001 UU_{167}	5.558	0.31−0.62	2	SWF
89249 2001 UA_{171}	6.17	0.63	2	SWF
89256 2001 UQ_{183}	145.744	0.25	2	DWF
89275 2001 VD_{13}	74.1895	0.44	2	DWF
89281 2001 VU_{16}	3.468	0.09	1	SWF
89284 2001 VY_{17}	5.13	0.59	2	SWF
89286 2001 VH_{18}	>0.72	>0.37		SWF
89288 2001 VU_{18}	10.0728	0.14	2	DWF
89302 2001 VR_{31}	8.690		2−	SWF
89309 2001 VN_{36}	73.145	1.4	3 p	
89321 2001 VB_{43}	493.565	0.48	2	DWF
89329 2001 VR_{46}	200.356	0.18	2	DWF
89344 2001 VY_{63}	16.9349	0.40	2	DWF
89347 2001 VS_{66}	9.092	0.42	2	SWF
89355 2001 VS_{78}	40.553	0.39−0.52	3 T-	
89375 2001 VB_{91}	4.27	0.21	2	SWF
89402 2001 WG_{4}	3.47	0.12	2	SWF
89410 2001 WQ_{13}	10.895	0.24−0.27	2	SWF
89413 2001 WM_{21}	7.876	0.37−0.38	2	SWF
89421 2001 WS_{29}	2.96802	0.26	2	DWF
89431 2001 WT_{40}	44.1574	0.38	2	DWF
89433 2001 WM_{41}	S 7.77410		2 p N	LCI-W
89435 2001 WK_{45}	4.84248	0.19	2	DWF
89446 2001 WW_{78}	>4.35	>0.37		SWF
89460 2001 XB_{8}	105.892	0.28	2	DWF
89465 2001 XF_{16}	510.867	0.46	2	DWF
89473 2001 XS_{22}	12.942	0.64	2	SWF
89475 2001 XH_{24}	16.202		2−	SWF
89487 2001 XU_{31}	13.988		2−	SWF
89494*2001 XY_{38}	12.5339	0.15−0.31	2	DWF
89498 2001 XV_{43}	6.468	0.74	2	SWF
89500 2001 XK_{48}	7.54138	0.23	2	DWF
89534 2001 XO_{80}	>1.50	>0.09		SWF
89550 2001 XU_{97}	9.0	0.65	2	
89563 2001 XY_{101}	17.7968	0.12	2	DWF
89564 2001 XJ_{103}	38.5536	0.31	2	DWF
89570*2001 XA_{116}	15.48	0.20	2	
89579 2001 XE_{127}	6.502	0.10	1	SWF
89605 2001 XT_{172}	116.072	0.31	2	DWF
89609 2001 XN_{179}	99.2154	0.24	2	DWF
89629 2001 XJ_{206}	71.5263	0.84	2	DWF
89633 2001 XM_{210}	157.336	0.23	2	SWF
89648 2001 XT_{238}	3.36102	0.41	2	DWF
89654 2001 XL_{250}	5.27723	0.21	2	DWF
89655 2001 XA_{251}	9.32	0.79	2	SWF
89674 2001 YP_{37}	4.95	0.74	2	SWF
89676 2001 YA_{46}	151.151	0.23	2	DWF
89702 2001 YG_{86}	2.96637	0.31	2	DWF
89723 2001 YP_{130}	44.1733	0.21	2	DWF
89726 2001 YA_{134}	3.007	0.47	2	SWF
89736 2002 AC_{1}	10.699	0.51−0.55	2	SWF
89741 2002 AV_{9}	>0.97	>0.36		SWF
89751 2002 AM_{26}	181.591	0.18	2	DWF
89759 2002 AF_{56}	5.52	0.34	2	SWF
89764*2002 AW_{61}	5.93511	0.53	2 p	DWF
89769 2002 AQ_{73}	6.223	0.26	2	SWF
89777*2002 AR_{90}	10.856	0.37−0.62	2	SWF
89782 2002 AM_{108}	27.7977	0.25	2	DWF
89792 2002 AP_{120}	5.90838	0.31	2	DWF
89794 2002 AB_{125}	35.1303	0.17	2	DWF
89799 2002 AS_{144}	63.0297	0.17	2	DWF
89830 2002 CE	2.6149	0.09	2− N	
89869 2002 CB_{142}	4.47878	0.56	2	DWF
89884 2002 CS_{226}	S 8.29081		2 p N	LCI-W
89885 2002 CP_{228}	14.12	0.54	2	SWF
89891 2002 CQ_{256}	2.2512	0.34	1 NA	
89915 2002 ED_{32}	4.439	0.41	2	SWF
89932*2002 EV_{85}	11.7563	0.63	2 p	DWF
89936 2002 EK_{152}	3.478	0.46	2	SWF
89946 2002 GP_{39}	119.259	0.21	2	DWF
89948*2002 GJ_{57}	8.858	0.51−0.69	2 p	SWF
89959*2002 NT_{7}	5.527	0.11−0.25	3−	
89967 2002 RD_{65}	3.62771	0.21	2	DWF
89969 2002 RW_{87}			HN	DWF
89973 Aranyjános	3.54	0.18	2	SWF
89988 2002 TJ_{49}	32.166		2−	SWF
90005 2002 TM_{156}	9.5192	0.22	2	DWF
90015 2002 TX_{264}	47.9775	0.12	2	DWF
90017 2002 TW_{266}	96.5197	0.33	2	DWF
90038 2002 UY_{44}	39.2096	0.51	2	DWF
90041 2002 VU	32.289	0.80	2	SWF
90042 2002 VW_{1}	6.67616	0.30	2	DWF
90045 2002 VC_{6}	396.688	0.32	2	DWF
90050 2002 VQ_{23}	17.3	0.15	1+	SWF
90055 2002 VY_{36}	214.78	0.41	2	DWF
90068 2002 VV_{77}			HN	DWF
90075 2002 VU_{94}	7.879	0.31−0.65	3− p	
90076 2002 VS_{95}		0.08	N	
90092 2002 XM_{4}	2.454	0.13	2	SWF
90118 2002 XY_{60}	651.814	1.84	2	DWF
90138 Diehl	8.07	0.43	2	SWF
90142 2002 YS_{5}	514.931	0.22	2	DWF
90146 2002 YZ_{9}	2.65017	0.63	2	DWF
90148 2002 YL_{14}	3.276	0.20	2	SWF
90159 2002 YZ_{30}	19.3805	0.23	2	DWF
90166 2003 AR_{6}	17.711	0.10	1	SWF
90174 2003 AK_{19}	6.395	0.77	2	SWF
90182 2003 AY_{29}	137.98	0.18	2	DWF
90192 2003 AZ_{41}	27.0243	0.21	2	DWF
90199 2003 AY_{62}			HN	DWF
90203 2003 AY_{68}	4.82303	0.16	2	DWF

Planet	Period	Variation	Note	Survey
90227 2003 BM_{19}	S 6.42921		2 p N	LCI-W
90232*2003 BD_{27}	110.197	0.55	2	DWF
90242 2003 BF_{52}	5.458	0.57−0.67	2	SWF
90245 2003 BD_{60}	77.4971	0.32	2	DWF
90265*2003 CL_{5}	23.42	1.27−1.80	3 p	
90275 2003 DM	4.55	0.38	2	SWF
90282 2003 DS_{20}	2.82	0.36	2	SWF
90283 2003 DH_{22}	38.247	0.21	2 A	DWF
90304 2003 EM_{53}	13.8502	0.39	2	DWF
90337 2003 FQ_{97}	60.	0.54	2− A	
90365 2003 JL_{10}	25.8429	0.27	2	DWF
90368 2003 MG	8.36928	0.61	2	DWF
90377 Sedna	10.273	0.02	2 A	
90379 2003 WQ_{56}	2.71229	0.20	2	DWF
90389 2003 WQ_{153}	39.971	0.85	2	SWF
90403*2003 YE_{45}	505.	0.81−0.82	2+ B?	
90416 2003 YK_{118}	43.58	0.13	2+ A	
90431 2004 BY_{55}	12.296	0.93	2 p	SWF
90440 2004 BV_{83}	>0.88	>0.11		SWF
90450 Cyriltyson	2.17502	0.22	2	DWF
90454 2004 CV	100.	0.30	2−	
90482 Orcus	13.188	0.04−0.18	2 B	
90502 Buratti	74.741	0.24	2	DWF
90523 2004 EX_{79}	19.7813	0.17	2	DWF
90528 Raywhite	5.224	0.79	2	SWF
90539 2004 FH_{68}	5.685	0.51	2	SWF
90545 2004 FG_{97}	8.69257	0.22	2	DWF
90555 2004 FM_{131}	3.28	0.23	2	SWF
90568 2004 GV_{9}	5.86	0.1 −0.16	2 N	SWF
90574 2004 GS_{21}	5.3487	0.19	2	DWF
90585 2032 P–L	196.469	0.08	1	SWF
90586 2035 P–L	2.711	0.23	2	SWF
90615 6762 P–L	57.8792	0.61	2	DWF
90632 2259 T–2	2.468	0.21−0.44	2	SWF
90670 5183 T–3	2.89878	0.32	2	DWF
90680 1981 DE_{3}	10.4033	0.41	2	DWF
90688 1981 ED_{30}	5.476	0.44	2	SWF
90696 1981 EQ_{44}	6.271	0.56	2	SWF
90698 Kościuszko	5.014	0.23	3	
90700 1986 QG_{2}	4.6468	0.63	2	DWF
90701 1986 RC_{5}	10.231	0.45	2	SWF
90712 Wittelsbach	9.950	0.24	2	SWF
90713 Chajnantor	4.17	0.45	2	SWF
90723 1991 TN_{10}	5.80	0.28	2	SWF
90738 1993 FP_{21}	10.10	0.76	1 DA	SWF
90776 1993 VW_{2}	181.09	0.30	2	DWF
90781 1994 EE_{6}	14.008	1.08	2	SWF
90839*1995 WN_{7}	10.983	0.22−0.27	2	SWF
90868 1996 SX_{7}	47.6096	0.47	2	DWF
90874 1996 TX_{64}	13.8678	0.25	2	DWF
90884 1996 XC_{36}	3.34	1.03	1+	SWF
90896 1997 CJ_{3}	7.4	0.30	2	SWF
90897 1997 CF_{6}	89.2306	0.34	2	DWF
90920 1997 QM_{3}	4.68	0.53	3−	
90950 1997 VH_{5}	69.0167	0.14	2	DWF
90965 1997 WC_{23}	61.3089	0.26	2	DWF
90988 1997 XS_{13}	8.8	0.14	2−	
90997*1998 BC	>4.35	>0.11		SWF
91014 1998 DN_{12}			HN	DWF
91040 1998 FD_{14}	4.62	0.13	2	
91041 1998 FG_{14}	58.6875	0.40	2	DWF
91055 1998 FD_{49}	4.93727	0.47	2	DWF
91063 1998 FX_{62}	15.240	0.80	2 p	SWF
91065 1998 FM_{66}	S 17.7284		2 p N	LCI-W
91066 1998 FP_{66}	4.617	0.36	2	SWF
91070 1998 FO_{71}	4.16574	0.81	2	DWF
91079 1998 FB_{107}	208.028	0.53	2	DWF
91081 1998 FR_{109}	5.441	0.47−0.56	2	SWF
91130 1998 HQ_{142}	8.97	0.26	2−	SWF
91139 1998 KL_{47}	5.834	0.65	2 p	SWF
91156 1998 QS_{60}	13.121	0.51	2	SWF
91163 1998 QZ_{82}	22.3258	0.18	2	DWF
91164 1998 QE_{84}	23.7002	0.44	2	DWF
91165 1998 QF_{84}	53.5573	0.22	2	DWF
91172 1998 RG_{5}	21.7	0.13	2−	SWF
91178 1998 RV_{23}	>2.75	>0.20		SWF
91186 1998 RO_{66}	S 6.87970		2 p N	LCI-W
91191 1998 SE_{55}	11.8258	0.10	2	DWF
91199 Johngray	39.7637	0.21	2	DWF
91228 1999 BG_{13}	40.0087	0.22	2	DWF

Planet	Period	Variation	Note	Survey
91231 1999 BP_{24}	79.346	0.44	2	SWF
91245 1999 CN_{34}	3.95	0.08	2	SWF
91247 1999 CM_{40}	11.64	1.16	1 DA	SWF
91252 1999 CS_{49}	3.357	0.23	3	
91256 1999 CX_{80}	1.43726	0.27	2	DWF
91292 1999 FF_{27}	15.0543	0.18	2	DWF
91305 1999 FK_{46}	15.5	0.71	2−	SWF
91317 1999 GV_{17}	67.3631	0.18	2	DWF
91339 1999 JR_{15}	101.919	0.35	2	SWF
91360 1999 JZ_{66}	7.37146	0.26	2	DWF
91396 1999 LF_{5}	6.98072	0.48	2	DWF
91406 1999 NA_{11}	5.55518	0.30	2	DWF
91411 1999 NJ_{41}	3.067	0.22	3	
91413 1999 NN_{49}	3.868	0.09	2	SWF
91416 1999 NH_{55}	22.9119	0.28	2	DWF
91427 1999 PB_{5}	2.908	0.23	2	SWF
91429 Michelebianda	2.849	0.22	2	SWF
91432 1999 RF_{1}	4.6	0.42−0.52	2	
91434 1999 RY_{3}	29.703	0.48	2	SWF
91439 1999 RD_{12}	70.4823	0.15	2	DWF
91450 1999 RV_{24}	9.67894	0.55	2	DWF
91455 1999 RV_{49}	69.7545	0.17	2	DWF
91466 1999 RU_{81}	4.2065	0.30	2	DWF
91472 1999 RY_{91}	51.997	0.98	2	SWF
91474 1999 RO_{95}	4.15365	0.38	2	DWF
91481 1999 RV_{108}	3.976	0.34	2	SWF
91487 1999 RT_{117}	56.3571	0.31	2	DWF
91492 1999 RY_{132}	4.370	0.41	2	SWF
91493 1999 RE_{134}	15.883	0.23−0.24	2	SWF
91495 1999 RZ_{138}	199.284	0.26	2 A	DWF
91501 1999 RW_{147}	59.6988	0.22	2	DWF
91505 1999 RA_{158}	5.52	0.17	2	
91511 1999 RJ_{163}	6.512	0.66	2	SWF
91513 1999 RG_{166}	23.2845	0.19	2	DWF
91514 1999 RJ_{166}	6.293		2−	SWF
91515 1999 RR_{169}	10.433	0.35	2	SWF
91533*1999 RY_{199}	3.85	0.68−1.22	2 p	
91542 1999 RC_{207}	35.658	0.16	2	SWF
91545 1999 RT_{209}	6.210	0.56	2	SWF
91551 1999 RA_{212}	12.347	0.39	2	SWF
91552 1999 RG_{213}	2.51	0.65	1+	SWF
91577 1999 SU_{8}	20.7266	0.16	2	DWF
91596 1999 TF_{11}	86.561	0.09	1	SWF
91599 1999 TQ_{13}	198.254	0.61	2	SWF
91635 1999 TH_{79}	28.099	0.73	2	SWF
91638 1999 TQ_{82}	7.146	0.49	2	SWF
91659 1999 TP_{105}	25.128	0.59	2	SWF
91661 1999 TG_{106}	4.051	0.84	2	SWF
91681 1999 TF_{120}	4.666	0.45	2	SWF
91698 1999 TK_{138}	3.741		2−	SWF
91710 1999 TZ_{149}	13.564	0.64	2	SWF
91711 1999 TP_{150}	5.82298	0.23	2	DWF
91714 1999 TW_{153}	23.366	0.68	2	SWF
91715 1999 TA_{154}	85.271	0.55	2	SWF
91734 1999 TM_{166}	8.201	0.45	2	SWF
91740 1999 TX_{177}	>2.87	>0.25		SWF
91750 1999 TR_{187}	37.2038	0.18	2	DWF
91776 1999 TJ_{206}	27.036	0.14	2	SWF
91790 1999 TF_{222}	>0.92	>0.31		SWF
91800 1999 TK_{234}	94.8107	0.31	2	DWF
91849 1999 UK_{6}	16.258	0.27	2	SWF
91851 1999 UA_{8}	204.244	0.87	2	SWF
91858 1999 US_{16}	14.197	0.71	2	SWF
91872 1999 UL_{41}	>0.92	>0.22		SWF
91888 Tomskilling	9.657	0.30	2	SWF
91891 1999 VJ_{2}	60.665	0.54	2	SWF
91930 1999 VT_{48}	6.52511	0.50	2	DWF
91937 1999 VQ_{58}	17.066	0.09	1	SWF
91943*1999 VA_{64}	S 4.79640	0.76	2 p N	LCI-W
91981 1999 VB_{99}	8.42	0.69	2	SWF
92010 1999 VB_{159}	10.43	0.56	2+	SWF
92013 1999 VV_{159}	15.847	0.82	2	SWF
92018 1999 VW_{162}	3.203	0.30	2	SWF
92028 1999 VM_{177}	12.479	0.64	2	SWF
92064 1999 WA_{13}	6.281	0.65	2	SWF
92065 1999 WC_{13}	6.844	0.35	2	SWF
92070 1999 WC_{18}	>0.97	>0.30		SWF
92075 1999 XS_{4}	>1.00	>0.10		SWF
92081 1999 XV_{17}	9.54658	0.51	2	DWF
92117 1999 XD_{78}	4.17	0.19	2	SWF

Planet	Period	Variation	Note	Survey
92119 1999 XW_{81}	3.624	0.21	2	SWF
92124 1999 XE_{104}	S 10.84059		2 p N	LCI-W
92127 1999 XE_{107}	10.03	0.34	2	SWF
92131 1999 XT_{107}	10.153	0.33	2	SWF
92165 1999 XW_{160}	2.53	0.17	2	SWF
92191 1999 XO_{222}	5.95	0.19	2	SWF
92193 1999 XG_{230}	45.177	0.60	2	SWF
92194 1999 XK_{230}	3.54306	0.36	2	DWF
92200 1999 XK_{241}	12.5137	0.38	2	DWF
92207 1999 YU_{6}	86.3434	0.35	2	DWF
92225 2000 AX_{87}	3.443	0.38	2	SWF
92237 2000 AO_{120}	>48.	>0.5		SWF
92249 2000 AN_{170}	>0.97	>0.16		SWF
92265 2000 BO_{22}	S 20.5273		2 p N	LCI-W
92287 2000 EX_{14}	188.935	0.40	2	SWF
92292 2000 EL_{88}	29.9437	0.26	2	DWF
92329 2000 GZ_{64}	4.325	0.49	2	SWF
92336 2000 GY_{81}	28.212	0.44−0.59	2+	
92379 2000 HO_{68}	10.3812	0.30	2	DWF
92422 2000 JO_{48}	18.9791	0.13	2	DWF
92442 2000 KF_{4}	8.03124	0.19	2	DWF
92447 2000 KR_{7}	20.7071	0.13	2	DWF
92460 2000 KT_{39}	7.63	0.35	2−	SWF
92478 2000 LA_{8}	6.479		2	SWF
92479 2000 LZ_{8}	23.3449	0.42	2	DWF
92493 2000 MX_{4}	57.754		2−	SWF
92498 2000 NH_{9}	2.89	0.35	2	
92502 2000 NP_{15}	5.728		2−	SWF
92506 2000 NU_{16}	3.40	0.14	2	SWF
92519 2000 NO_{27}	3.08	0.15	2	SWF
92520*2000 NH_{28}	4.422	0.48−0.73	2	SWF
92528 2000 OQ_{8}	4.575	0.32−0.50	2	SWF
92536 2000 OE_{16}	5.064		2−	SWF
92541 2000 OX_{20}	3.187	0.39	2	SWF
92597 2000 PE_{19}	8.28	0.80	2+	SWF
92636 2000 QS_{20}	10.949	0.08	1	SWF
92642 2000 QQ_{23}	5.0399	0.33	2	DWF
92662 2000 QZ_{43}	386.371	0.25	2	DWF
92667 2000 QT_{51}	63.5184	0.20	2	DWF
92668 2000 QB_{53}	>1.33	>0.06		SWF
92729 2000 QX_{99}	S 25.6209		2 p N	LCI-W
92730 2000 QZ_{99}			HN	DWF
92731 2000 QM_{100}	3.89715	0.26	2	DWF
92752 2000 QQ_{112}	298.305	0.34	2	DWF
92754 2000 QY_{113}	6.03	1.03	3−	SWF
92769 2000 QZ_{126}	>3.72	>0.18		SWF
92797 2000 QF_{156}	21.2429	0.28	2	DWF
92810 2000 QN_{166}	2.79619	0.19	2	DWF
92846 2000 QW_{195}	3.79699	0.49	2	DWF
92857 2000 QQ_{205}	5.01	0.47	3−	SWF
92871 2000 QK_{214}	12.36	0.58	2+	SWF
92901 2000 RE_{5}	9.623	0.34	2	SWF
92903 2000 RO_{5}	9.37819	0.29	2	DWF
92925 2000 RO_{22}	51.1972	0.14	2	DWF
92936 2000 RQ_{32}	6.082	0.71	2	SWF
92938 2000 RA_{33}	123.022	0.30	2	DWF
92939 2000 RC_{33}	10.60	0.65−0.85	2	SWF
92941 2000 RP_{34}	10.769	0.13	2	SWF
92942 2000 RC_{35}	30.387	0.23	2	SWF
92958 2000 RP_{46}	23.5407	0.08	2	DWF
92963 2000 RN_{48}	11.548	0.35−0.45	2	SWF
92967 2000 RW_{50}	17.1337	0.30	2	DWF
92982 2000 RE_{71}	3.149	0.29	2	SWF
92988 2000 RJ_{73}	5.036	1.02−1.04	2	SWF
92989 2000 RR_{73}	>5.23	>0.25		SWF
92990 2000 RA_{74}	5.3432	0.31	2	DWF
92993*2000 RA_{76}	77.5244	0.76	2 p	DWF
92999 2000 RL_{82}	9.82978	0.25	2	DWF
93000 2000 RJ_{83}	12.032	0.27−0.30	2	SWF
93004 2000 RB_{86}	S 5.43301		2 p N	LCI-W
93028 2000 RF_{98}	S 5.15212		2 p N	LCI-W
93030 2000 RC_{99}	43.3225	0.22	2	DWF
93032 2000 RG_{101}	4.7765	0.35	2	DWF
93035 2000 RR_{103}	25.0982	0.12	2	DWF
93036 2000 RW_{103}	5.521	0.51	2	SWF
93044 2000 SE_{6}	17.614	0.42	2	SWF
93069 2000 SX_{24}	9.174	0.47−0.54	2	SWF
93079 2000 SX_{28}	18.941	0.92	2	SWF
93090 2000 SF_{37}	6.770	0.67−0.86	2	SWF
93102 Leroy	15.4282	0.11	2	DWF
93106 2000 ST_{47}	20.0718	0.21	2	DWF
93114 2000 SE_{58}		0.84		SWF
93115 2000 SJ_{58}	2.990	0.59	2	SWF
93131 2000 SV_{67}			HN	DWF
93144 2000 SM_{78}	14.704	0.53	2	SWF
93147 2000 SA_{80}	5.95	0.49	2	SWF
93150 2000 SC_{81}	5.405	0.73−0.82	2	SWF
93152 2000 ST_{83}	6.103	0.65−0.86	2	SWF
93157 2000 SD_{85}	57.634	0.23	2	SWF
93177 2000 SP_{103}	7.343	1.05	3−	SWF
93190 2000 SN_{111}	2.466	0.34	2	SWF
93195 2000 SV_{112}	2.2	0.52	1 N	
93198 2000 ST_{114}	5.312	0.53	2	SWF
93208 2000 SQ_{123}	4.72125	0.34	2	DWF
93218 2000 SJ_{131}	3.072	0.35	2	SWF
93220 2000 SA_{135}	6.435	0.54	2	SWF
93225*2000 SE_{142}	4.715	0.31−0.45	2	SWF
93226 2000 SJ_{142}	6.485	0.73	2	SWF
93257 2000 SQ_{165}	112.458	0.44	2	DWF
93259 2000 SD_{166}	4.831	0.63−0.67	3−	
93268 2000 SX_{173}	7.419	0.64	2	SWF
93270 2000 SQ_{175}	3.373	0.49	2	SWF
93271 2000 SS_{175}	506.377	1.39	2	DWF
93282 2000 SK_{187}	2.62	0.12	2	SWF
93335 2000 SK_{235}	6.3	0.59−0.85	2	SWF
93348 2000 SP_{250}	7.87	0.77	2	SWF
93353 2000 SF_{253}	5.82	0.25	1	SWF
93371 2000 SP_{269}			HN	DWF
93398 2000 SL_{287}	111.481	0.48	2	DWF
93399 2000 SC_{288}	18.9209	0.26	2	DWF
93405 2000 SV_{293}	5.970	0.41	2	SWF
93412 2000 ST_{300}	9.102	0.66−0.68	2	SWF
93418 2000 SB_{305}	5.85	0.17	2	SWF
93424 2000 SP_{312}	20.1788	0.18	2	DWF
93425 2000 SC_{314}	26.6067	0.19	2	DWF
93437 2000 SG_{327}	3.98612	0.21	2	DWF
93440 2000 SX_{328}	5.849	0.75	2	SWF
93452 2000 SY_{351}	8.401	0.39−0.40	2	SWF
93459 2000 SK_{360}	7.33947	0.41	2	DWF
93461 2000 ST_{363}	2.845	0.09	2−	SWF
93466 2000 TO	10.8306	0.57	2	DWF
93477 2000 TL_{17}	59.2109	0.19	2	DWF
93491 2000 TC_{34}	18.1692	0.16	2	DWF
93492*2000 TD_{36}	3.310	0.45−0.66	2	SWF
93510 2000 TT_{56}	4.97408	0.25	2	DWF
93517 2000 TF_{63}	3.49177	0.27	2	DWF
93520 2000 TW_{63}	1.68	0.07	2	SWF
93539 2000 US_{17}	207.365	0.56	2	DWF
93540 2000 UG_{19}	3.499	0.18−0.20	2	SWF
93546 2000 UT_{22}	7.01	0.69	2	SWF
93561 2000 UO_{37}	17.1659	0.24	2	DWF
93578 2000 UW_{47}	6.81	0.30	2	SWF
93585 2000 UE_{52}	6.14	0.27	2	SWF
93607 2000 UQ_{61}	4.88645	0.44	2	DWF
93616 2000 UW_{66}	54.2763	0.32	2	DWF
93629 2000 UH_{77}	10.83	0.33	2	SWF
93640 2000 UU_{86}	S 24.6819		2 p N	LCI-W
93645 2000 UF_{90}	6.05199	0.38	2	DWF
93659 2000 UF_{104}	>5.25	>0.3		SWF
93660 2000 UH_{104}	2.34	0.11	2	SWF
93679 2000 VO_{11}	S 8.99911		2 p N	LCI-W
93690 2000 VE_{21}	>12.	>0.18	2−	
93693 2000 VC_{23}	4.236	0.42	2	SWF
93707 2000 VP_{31}	11.2	0.53−0.75	2+	SWF
93710 2000 VR_{33}	6.062	0.33−0.36	2	SWF
93718 2000 VO_{36}	28.9289	0.31	2	DWF
93730 2000 VB_{46}	29.7654	0.12	2	DWF
93734 2000 VS_{47}	7.231	0.75	2	SWF
93738 2000 VQ_{50}	103.998	0.50	2	SWF
93749 2000 VP_{62}	6.331	0.70	2	SWF
93754 2000 WZ_{6}	6.743	0.38	2	SWF
93756 2000 WZ_{8}	110.299	0.49−0.55	2	SWF
93768 2000 WN_{22}	2.6821	0.21−0.33	3	
93779*2000 WT_{30}	3.50	0.25−0.93	3	SWF
93785 2000 WZ_{33}	2.948	0.34	2	SWF
93810 2000 WB_{57}	15.846	0.61	2	SWF
93819 2000 WG_{69}	15.0952	0.56	2	DWF
93820*2000 WN_{70}	17.399	0.37−0.56	2	SWF
93821 2000 WF_{71}	29.135	0.37	2	SWF
93829 2000 WZ_{76}	>1.35	>0.13		SWF

Planet	Period	Variation	Note	Survey
93830 2000 WE_{77}	280.744	0.50	2	DWF
93832 2000 WU_{77}	S 6.61439		2 p N	LCI-W
93834 2000 WR_{79}	57.904	0.92	2	SWF
93870 2000 WW_{120}	100.657	0.44	2	DWF
93893 2000 WL_{141}	6.35141	0.46	2	DWF
93894 2000 WM_{141}	131.289	0.40	2	SWF
93897 2000 WD_{143}	69.430	0.74	2	SWF
93911 2000 WF_{156}	81.1919	0.47	2	DWF
93919 2000 WJ_{160}	30.8561	0.23	2	DWF
93920 2000 WN_{160}	7.614	0.53	2	SWF
93934 2000 WC_{167}	4.16	1.02	3−	SWF
93946 2000 WW_{174}	6.358	0.48	2	SWF
93955 2000 WT_{183}	449.458	0.62	2	SWF
93961 2000 WF_{191}	20.1015	0.32	2	DWF
93965 2000 XL_{3}	32.3541	0.20	2	DWF
93967 2000 XA_{4}	10.5272	0.33	2	DWF
93969 2000 XQ_{5}	17.3034	0.21	2	DWF
93971 2000 XS_{6}	20.2792	0.23	2	DWF
93972 2000 XF_{7}	297.543	0.54	2	DWF
93978 2000 XT_{9}	>5.40	>0.23		SWF
93988 2000 XC_{16}	185.247	0.76	2	DWF
94002 2000 XX_{22}	21.4611	0.18	2	DWF
94005 2000 XO_{25}	21.650	0.21	2	SWF
94026 2000 XF_{39}	>5.40	>0.15		SWF
94033 2000 XS_{41}	11.7086	0.29	2	DWF
94047 2000 YO_{1}	31.1171	0.23	2	DWF
94048 2000 YU_{2}	7.432	0.49	2	SWF
94067 2000 YS_{31}	>4.37	>0.16		SWF
94086 2000 YG_{55}	8.893	0.90	2	SWF
94095 2000 YG_{67}	14.8053	0.24	2	DWF
94106 2000 YB_{79}	2.66	0.39	2	
94107 2000 YW_{82}	9.18439	0.57	2	DWF
94117*2000 YE_{102}	6.79498	0.66	2 p A	DWF
94119 2000 YN_{103}	16.4786	0.22	2	DWF
94121 2000 YR_{107}	5.6107	0.35	2	DWF
94132 2000 YO_{115}	15.2902	0.61	2	DWF
94134 2000 YT_{117}	>1.77	>0.20		SWF
94141 2000 YJ_{135}	>0.92	>0.16		SWF
94147 2001 AT_{3}	2.82121	0.27	2	DWF
94171 2001 AE_{28}	61.0327	0.30	2	DWF
94173 2001 AP_{30}	3.39967	0.19	2	DWF
94185 2001 AE_{43}	5.50603	0.22	2	DWF
94186 2001 AH_{45}	11.075	0.55	2	SWF
94192 2001 BC_{7}	21.2376	0.11	2 A	DWF
94193 2001 BN_{7}	38.8152	0.26	2	DWF
94199 2001 BM_{16}	122.874	0.36	2	DWF
94204 2001 BR_{24}	10.506	0.79	2	SWF
94207 2001 BH_{27}	>0.97	>0.15		SWF
94215 2001 BO_{42}	4.30992	0.51	2	DWF
94219 2001 BP_{45}	62.2975	0.49	2	DWF
94228 Leesuikwan	230.079	0.26	2	DWF
94229 2001 BR_{62}	17.7319	0.21	2	DWF
94231 2001 BQ_{65}	228.078	0.27	2	DWF
94245 2001 CW_{11}	8.262	0.50	2	SWF
94257 2001 CJ_{35}	5.244	0.15	2	SWF
94265 2001 CU_{45}	4.469	0.23	2	SWF
94266 2001 DO	15.025	0.70−0.78	2	SWF
94269 2001 DS_{18}	503.5	0.42	2	DWF
94313 2001 FE_{41}	7.501	0.29−0.34	2	SWF
94314 2001 FV_{49}	30.97	0.49	3−	SWF
94315 2001 FA_{59}	36.6141	0.20	2	DWF
94320 2001 FH_{109}	18.572	0.63	2	SWF
94324 2001 FB_{127}	6.388	1.00	2	SWF
94346*2001 QU_{88}	3.0731	0.10−0.11	3	
94347 2001 QW_{88}	58.9633	0.56	2	DWF
94356 Naruto	4.70981	0.27	2	DWF
94362 2001 RS_{46}	12.3054	0.39	2	DWF
94365 2001 RN_{70}	3.33	0.39	2	SWF
94366 2001 RS_{70}	133.967	0.30	2	DWF
94382 2001 SC_{71}	37.7682	0.18	2	DWF
94386 2001 SL_{108}	5.72762	0.52	2	DWF
94403 2001 SM_{286}	40.0017	0.19	2	DWF
94416 2001 TZ_{28}	351.36	0.49	2	DWF
94424 2001 TW_{39}	6.110	0.75	2	SWF
94430 2001 TM_{41}	85.6103	0.51	2	DWF
94440 2001 TH_{65}	7.007	0.81	2	SWF
94469 2001 TC_{166}	25.0301	0.48	2	DWF
94470 2001 TB_{169}	21.2485	0.44	2	DWF
94480 2001 UN_{4}	21.4106	0.15	2	DWF
94496 2001 UW_{48}	85.0678	0.20	2	DWF

Planet	Period	Variation	Note	Survey
94512 2001 US_{90}	39.7318	0.30	2	DWF
94525 2001 UV_{122}	45.4533	0.22	2	DWF
94547 2001 UD_{205}			HN	DWF
94575 2001 VV_{44}	8.00253	0.16	2	DWF
94577*2001 VU_{45}	7.419	0.68−0.77	2	SWF
94580 2001 VN_{46}	4.17	0.22	2	SWF
94583 2001 VG_{47}	10.84	0.70	1 D	SWF
94594 2001 VU_{63}	40.9162	0.48	2	DWF
94599*2001 VY_{79}	217.285	0.16	1	DWF
94608 2001 VR_{109}	6.02	0.60	2+	
94623 2001 WD_{2}	3.07287	0.18	2	DWF
94630 2001 WJ_{12}	295.437	0.26	2	DWF
94639 2001 WH_{28}	69.0365	0.37	2	DWF
94653 2001 WF_{67}	4.80	0.48−0.50	3−	SWF
94667 2001 XG_{13}	96.0738	0.15	2	DWF
94698 2001 XN_{41}	10.461	0.22	2	DWF
94728 2001 XL_{65}	12.5416	0.49	2	DWF
94763 2001 XM_{99}	3.04	0.35	2− B?	
94777 2001 XF_{114}	212.926	0.87	2 1	DWF
94779 2001 XC_{116}	7.236		2−	SWF
94781 2001 XO_{117}	15.8434	0.14	2	DWF
94790 2001 XZ_{135}	171.954	0.37	2	DWF
94808 2001 XM_{167}	S 10.66092		2 p N	LCI-W
94838 2001 XU_{194}	3.06	0.18	2	SWF
94842 2001 XG_{202}	42.4636	0.35	2	DWF
94864 2001 XW_{216}	7.06572	0.30	2	DWF
94888 2001 XM_{254}	5.77464	0.33	2	DWF
94905 2001 YS_{24}	2.72	0.10	2	SWF
94932 2001 YJ_{73}	17.188		2−	SWF
94940 2001 YP_{78}			HN	DWF
94958 2001 YP_{95}	28.549	0.19	2	DWF
94961*2001 YJ_{101}	4.276	0.33−0.39	2	SWF
94972 2001 YY_{109}	34.081	0.27	2	SWF
94974 2001 YO_{112}	18.0615	0.18	2	DWF
94988 2001 YU_{119}	5.432	0.55	3	SWF
94997 2001 YH_{137}	5.4307	0.32	2	DWF
95000 2001 YO_{139}	423.258	0.37	2	DWF
95010 2002 AR_{1}	8.64	1.30	2−	SWF
95019 2002 AR_{10}	4.954	0.68	2	SWF
95022 2002 AG_{14}			HN	DWF
95047 2002 AL_{37}	3.18	0.25	2	SWF
95060 2002 AJ_{59}	8.96027	0.39	2	DWF
95110 2002 AR_{118}	6.82	0.83	2	SWF
95113 2002 AG_{121}	17.1608	0.49	2	DWF
95118 2002 AL_{124}	58.6869	0.20	2	DWF
95126 2002 AZ_{148}	5.347	0.55	2	SWF
95141 2002 AG_{162}	13.7235	0.35	2	DWF
95143 2002 AQ_{164}	>1.97	>0.11		SWF
95146 2002 AV_{165}	S 32.4759		2 p N	LCI-W
95147 2002 AP_{166}	>6.	>0.5	2	
95156 2002 AK_{175}	5.45	0.76	3	SWF
95194 2002 BB_{14}	9.0863	0.60	2	DWF
95201 2002 BJ_{19}	20.653	0.18−0.23	2	SWF
95218 2002 CO_{14}	5.400	0.61−0.69	2	SWF
95223 2002 CU_{22}	7.22	0.93	2	SWF
95225 2002 CH_{23}	15.8754	0.25	2	DWF
95260 2002 CS_{59}	4.5184	0.44	2+	
95268 2002 CB_{68}	5.74385	0.20	2	DWF
95287 2002 CN_{84}	>5.48	>0.27		SWF
95323 2002 CS_{108}	100.036	0.29	2	DWF
95335 2002 CU_{118}	21.723	0.43	2	SWF
95353 2002 CY_{138}	3.611	0.62	2	SWF
95355 2002 CQ_{141}	229.853	0.27	2	SWF
95358 2002 CV_{143}	5.00	0.71	2	SWF
95431 2002 CZ_{240}	8.21	0.57	2+	SWF
95455 2002 CY_{295}	199.159	0.50	2	DWF
95456 2002 CC_{301}	7.23	0.54	2	SWF
95461 2002 DZ_{2}	5.63841	0.45	2	DWF
95462 2002 DK_{5}	30.7911	0.20	2	DWF
95478 2002 EK_{12}	20.1361	0.29	2	DWF
95482 2002 EB_{19}	64.0629	0.39	2	DWF
95490 2002 EX_{29}	8.759	0.39	2	SWF
95496 2002 ET_{34}	8.64373	0.14	2	DWF
95498 2002 EG_{35}	S 25.0006		2 p N	LCI-W
95512 2002 EH_{52}	10.689	0.51	2	SWF
95525 2002 EZ_{70}	19.947	0.79	2	SWF
95548 2002 EX_{88}			HN	DWF
95549 2002 EK_{89}	4.351	0.50	2	SWF
95552 2002 EU_{93}	9.946	0.36	2	SWF
95559 2002 EK_{98}	43.562	0.62	2	SWF

Planet	Period	Variation	Note	Survey
95560 2002 EX_{98}	7.928	0.35−0.43	2	SWF
95561 2002 EV_{100}	4.623	0.57	2	SWF
95594 2002 FS_{13}	10.6602	0.65	2	DWF
95596 2002 FL_{16}	>3.05	>0.31		SWF
95597 2002 FB_{21}	13.6726	0.20	2	DWF
95600 2002 FK_{27}	6.783	0.61	2	SWF
95613 2002 FG_{37}	4.69952	0.29	2	DWF
95622 2002 GU_{18}	3.496	0.61	2	SWF
95624 2002 GP_{24}	16.418	0.46	2	SWF
95626 2002 GZ_{32}	5.80	0.08	3 N	
95640 2002 GC_{80}	>1.98	>0.41		SWF
95641 2002 GS_{81}	>1.07	>0.17		SWF
95666 2002 GZ_{141}	4.016	0.36	2	SWF
95675 2002 GZ_{173}	12.63	0.19	2	DWF
95695 2002 JV_{70}	12.24	0.23	2	SWF
95698 2002 JM_{79}	13.6843	0.20	2	DWF
95703 2002 JY_{122}	8.70	0.42	2	SWF
95704 2002 JS_{124}	125.144	1.00	2	SWF
95711 2003 AK	100.	0.7	2− NT0	
95746 2003 EW_{22}	3.79	0.11	2	SWF
95757 2003 EZ_{34}	76.1895	0.16	2	DWF
95772 2003 EE_{52}	156.028	0.72	2	DWF
95796 2003 FM_{24}	6.237	0.36−0.40	2	SWF
95820 2003 FL_{80}	15.775	0.36	2	DWF
95822 2003 FM_{82}			HN	DWF
95825 2003 FJ_{86}	4.38	0.82	2	SWF
95864 2003 GC_{22}	89.8247	0.25	2	DWF
95865 2003 GA_{23}	>0.57	>0.40		SWF
95868 2003 GB_{29}	2.38	0.74	1 N	
95892 2003 HO_{11}	33.9884	0.55	2	DWF
95903 2003 HC_{27}	9.156	0.50	2	SWF
95932*2003 JE_{17}	82.370	0.42−0.53	2	SWF
95963 2004 KE_{4}	3.80635	0.13	2	DWF
95971 2004 LU_{8}	6.448	0.84−0.96	2	SWF
95975 2004 LX_{17}	8.63241	0.28	2	DWF
95983 2004 MB_{7}	36.5625	0.22	2	DWF
96008 2004 OA_{5}	4.19	0.47	2	SWF
96014 2004 PD_{7}	3.56	0.55	2	SWF
96019 2004 PK_{9}	43.4368	0.17	2	DWF
96054 2189 P–L	4.02668	0.29	2	DWF
96069 6060 P–L	2.20	0.20	2	SWF
96084 2225 T–1	29.8723	0.14	2	DWF
96102 3054 T–2	52.9429	0.23	2	DWF
96107 4109 T–2	>2.32	>0.33		SWF
96144 3466 T–3	102.151	0.68	2	SWF
96155 1973 HA	15.59	0.59	3− p	
96165 1981 EL_{14}	4.950	0.32	2	SWF
96174 1981 EF_{38}	345.764	0.48	2	DWF
96178 Rochambeau	5.2	0.14	1 A	
96184 1990 QH_{3}	4.332	0.46	2	SWF
96187 1990 UH_{4}	2.52238	0.34	2	DWF
96204 1992 SN_{5}	97.2972	0.36	2	DWF
96213 1993 FZ_{30}	2.970	0.30	2	SWF
96250 1994 PE_{25}	9.292	0.35	2	SWF
96253 1995 BY_{1}	3.0	0.49	2−	
96276 1995 VG_{11}	S 13.46601		2 p N	LCI-W
96285 1995 YG_{23}	14.1135	0.44	2	DWF
96286 1996 AE_{13}	>3.47	>0.26		SWF
96296 1996 OK_{1}	>0.82	>0.51		SWF
96302 1996 TL_{39}	6.4195	0.73	2	DWF
96315 1997 AP_{10}	5.872	0.96	3	
96326 1997 EN_{11}	9.42189	0.49	2	DWF
96327 Ullmann	3.639	0.08−0.20	2	
96336 1997 KT_{3}	24.327	0.68	2	SWF
96343 1997 RS_{1}	23.1759	0.29	2	DWF
96348 Toshiyukimariko	21.37	0.09	1	SWF
96373 1997 YH_{7}	7.518	0.63	2	SWF
96374 1997 YZ_{13}	41.4025	0.58	2	DWF
96392 1998 DH	5.341	0.57	2	SWF
96405 1998 ES	16.1259	0.54	2	DWF
96419 1998 FN_{16}	272.235	0.56	2	DWF
96453 1998 GP_{9}	3.406	0.47	2	SWF
96461 1998 HS_{36}	S 12.67641		2 p N	LCI-W
96480 1998 HN_{139}			HN	DWF
96487 1998 JU_{1}		0.06	N	
96518 1998 RO_{3}	6.62	0.11	2	
96531 1998 RL_{68}	6.31542	0.28	2	DWF
96556 1998 ST_{126}	5.4774	0.39	2	DWF
96562 1998 SZ_{138}	2.5688	0.18	3	
96590 1998 XB	520.	>1.0	3 NT0	

Planet	Period	Variation	Note	Survey
96596 1998 XW_{26}	6.78725	0.51	2	DWF
96605 1999 AS_{10}	2.599	0.08	1	SWF
96612 1999 CZ_{3}	11.29	0.87	2	SWF
96619 1999 CA_{115}	51.6962	0.25	2	DWF
96625 1999 FY_{1}	3.08	0.23	2	SWF
96631 1999 FP_{59}	3.59	0.14	2+	
96634 1999 GF_{2}	7.18408	0.36	2	DWF
96635 1999 GR_{4}	54.606	0.82	2	SWF
96655 1999 JD_{2}	27.6495	0.21	2	DWF
96657 1999 JY_{5}	35.7886	0.52	2	DWF
96672 1999 JG_{36}	16.8024	0.21	2	DWF
96677 1999 JR_{40}	3.56154	0.28	2	DWF
96680 1999 JG_{43}	42.482	0.18	2	DWF
96683 1999 JO_{49}	22.0471	0.30	2	DWF
96691 1999 JH_{73}	15.4028	0.21	2	DWF
96724 1999 LY_{20}	18.7047	0.33	2	DWF
96733 1999 NO_{28}	6.40253	0.22	2	DWF
96734 1999 NR_{42}	9.811	0.77	2	SWF
96738 1999 NQ_{55}	6.86471	0.38	2	DWF
96765 1999 RS_{34}	21.216	0.93	2	SWF
96767 1999 RP_{40}	16.125	0.16	2	SWF
96783 1999 RS_{97}	38.1016	0.21	2	DWF
96792*1999 RO_{110}	17.082	0.16−0.39	2	SWF
96796 1999 RQ_{124}	5.912	0.75−0.92	2	SWF
96799 1999 RQ_{127}	6.06	0.17	2	SWF
96800 1999 RY_{127}	5.031		2	SWF
96813 1999 RP_{163}	77.4989	0.20	2	DWF
96817 1999 RK_{166}	5.631	0.83	2	SWF
96842 1999 RH_{208}	3.236	0.36	2 A	
96846 1999 RC_{211}	5.50737	0.34	2	DWF
96848 1999 RL_{221}	6.36	0.23	2	SWF
96858 1999 SY_{1}	10.6031	0.25	2	DWF
96869 1999 SD_{19}	39.4542	0.61	2	DWF
96871 1999 ST_{21}	81.4233	0.44	2	DWF
96885 1999 TK_{26}	10.3	0.28	2	SWF
96893 1999 TM_{39}	12.	0.8	2	SWF
96901 1999 TM_{70}	19.562	0.57	2	SWF
96912 1999 TB_{103}	39.9125	0.52	2	DWF
96947 1999 TD_{167}	74.6232	0.35	2	DWF
96967 1999 TG_{189}	S 10.67939		2 p N	LCI-W
96969 1999 TE_{190}	119.299	0.31	2	DWF
96974 1999 TL_{194}	3.478	0.21−0.27	2	SWF
96990 1999 TQ_{215}	16.991	0.52−0.71	2	SWF
97020 1999 TX_{278}	24.5815	0.14	2	DWF
97021 1999 TJ_{279}	154.452	0.19	2	DWF
97029 1999 TT_{323}	3.32	0.32	2	SWF
97038 1999 UX_{14}	5.31	0.11	2	SWF
97050 1999 UD_{45}	6.11	0.51	2	SWF
97058 1999 UA_{59}	10.919	0.69−0.73	2	SWF
97059 1999 VU_{3}	3.935	0.41	2	SWF
97065 1999 VV_{20}	10.7957	0.24	2	DWF
97084 1999 VJ_{45}	76.516	0.54	2	SWF
97109 1999 VD_{79}	S 17.0950		2 p N	LCI-W
97117 1999 VJ_{94}	>0.92	>0.23		SWF
97134 1999 VG_{115}	19.412	0.13	2	DWF
97150 1999 VW_{156}	74.282	0.73	2	SWF
97157 1999 VP_{165}	>1.13	>0.24		SWF
97158 1999 VV_{166}	9.496	0.40−0.50	2	SWF
97162 1999 VW_{184}	3.876	0.53	2	SWF
97163 1999 VO_{186}	8.314	0.36	2	SWF
97164 1999 VX_{186}	5.3751	0.48	2	DWF
97173 1999 VJ_{197}	503.834	0.26	2	DWF
97202 1999 XJ_{11}	20.6246	0.18	2	DWF
97205 1999 XA_{22}	123.846	0.15	2	DWF
97209 1999 XM_{36}	19.1514	0.18	2	DWF
97242 1999 XE_{88}	87.6012	0.35	2	DWF
97261 1999 XT_{119}	>5.30	>0.21		SWF
97265 1999 XM_{125}	2.84	0.21	1	SWF
97284 1999 XC_{159}	16.9605	0.46	2	DWF
97290 1999 XK_{167}	4.44099	0.43	2	DWF
97314*1999 XV_{206}	121.670	0.65−0.67	2	SWF
97343 2000 AW_{6}	83.3154	0.56	2	DWF
97346 2000 AF_{10}	S 7.65364		2 p N	LCI-W
97350 2000 AT_{14}	5.78	0.91	2	SWF
97353 2000 AE_{23}	10.4877	0.79	2	DWF
97363 2000 AS_{36}	6.489	0.57	2	SWF
97378 2000 AN_{67}	5.89537	0.28	2	DWF
97384 2000 AF_{82}	>1.02	>0.89		SWF
97412 2000 AO_{153}	90.6868	0.41	2	DWF
97420 2000 AN_{169}	12.0738	0.24	2	DWF

Planet	Period	Variation	Note	Survey
97431 2000 AR_{204}	5.28612	0.58	2	DWF
97455 2000 CL_{13}	3.983	0.39	2	SWF
97479 2000 CU_{56}	14.8846	0.20	2	DWF
97481 2000 CF_{61}	14.44	0.51	1 DA	SWF
97485 2000 CO_{66}	3.19	0.86	1+	SWF
97490 2000 CU_{78}	2.62	0.33	1	SWF
97507 2000 CV_{103}	20.5112	0.59	2	DWF
97512 2000 CV_{118}	9.06	0.55	2	SWF
97520 2000 DA_{18}	8.263	0.68	2	SWF
97553 2000 DC_{64}	4.104	0.50	2	SWF
97564 2000 DM_{88}	S 9.33586		2 p N	LCI-W
97567 2000 DH_{93}	37.2062	0.54	2	DWF
97585 2000 EW_{25}	12.599	0.73	2	SWF
97592 2000 ER_{34}	116.701	0.29	2	DWF
97600 2000 EY_{65}	S 9.55334		2 p N	LCI-W
97631 Kentrobinson	>0.92	>0.21		SWF
97649 2000 FK_{1}	7.363	1.04	3	
97663 2000 FU_{29}	>5.15	>0.20		SWF
97674 2000 FJ_{50}	8.161	0.40	2	SWF
97686 2000 GK_{20}	78.897	0.35	2	DWF
97710 2000 GU_{85}	25.0722	0.32	2	DWF
97714 2000 GU_{90}	5.807	0.93	2	SWF
97718*2000 GU_{107}	5.786	0.40−0.60	2	SWF
97730 2000 GA_{169}	S 4.66032		2 p N	LCI-W
97759 2000 JJ_{10}	32.3937	0.35	2	DWF
97766 2000 JB_{30}	49.2156	0.35	2	DWF
97768 2000 JP_{69}	6.25712	0.33	2	DWF
97769 2000 JS_{70}	13.916	0.27	2	SWF
97772 2000 JZ_{79}	14.519	0.23	2	SWF
97791 2000 ND_{9}	29.6622	0.43	2	DWF
97793 2000 NJ_{13}	7.69776	0.27	2	DWF
97794 2000 NG_{14}	4.74032	0.38	2	DWF
97805*2000 OJ_{15}	2.9760	0.15	2 A	
97809 2000 OH_{30}	43.631		2−	SWF
97811 2000 OH_{33}	44.0173	0.25	2	DWF
97812 2000 OH_{46}	6.960		2−	SWF
97816 2000 OW_{48}	5.779	0.67	2	SWF
97821 2000 OV_{50}	4.60035	0.39	2	DWF
97826 2000 OB_{59}	28.847		2	SWF
97828 2000 OJ_{61}	5.56639	0.31	2	DWF
97840 2000 PS_{19}	7.86896	0.13	2	DWF
97842 2000 PS_{22}	50.685		2	SWF
97845 2000 PG_{28}	30.1273	0.32	2	DWF
97863 2000 QF_{28}	10.8474	0.19	2	DWF
97872 2000 QG_{35}	15.286		2−	SWF
97890 2000 QM_{58}	6.41785	0.55	2	DWF
97909 2000 QY_{81}	10.512	0.80	2	SWF
97911 2000 QE_{85}	98.2157	0.33	2	DWF
97914 2000 QK_{90}	7.927	0.62	2	SWF
97915 2000 QX_{90}	7.389		2−	SWF
97921 2000 QE_{96}	36.6513	0.15	2	DWF
97929 2000 QB_{105}	25.237	0.18	2	DWF
97957 2000 QB_{135}	5.897	0.79	2	SWF
97970 2000 QO_{150}	19.042		2−	SWF
97995 2000 QX_{187}	42.946		2−	SWF
97999 2000 QN_{190}	9.21617	0.73	2	DWF
98005 2000 QV_{203}	>2.35	>0.18		SWF
98015 2000 QS_{215}	4.52	0.77	1 N	
98039 2000 RC_{22}	3.66365	0.17	2	DWF
98055 2000 RR_{38}	447.601	0.40	2	SWF
98058 2000 RH_{46}	3.829	0.68	2	SWF
98063 2000 RG_{48}	358.281	0.08	1	SWF
98064 2000 RY_{48}	15.3254	0.14	2	DWF
98075 2000 RT_{62}	5.28463	0.37	2	DWF
98081 2000 RF_{67}	287.281	0.84	2	SWF
98086 2000 RW_{70}	13.967		2−	SWF
98113 2000 RN_{94}	28.4926	0.56	2	DWF
98120 2000 SK_{5}	5.309		2	SWF
98123 2000 SG_{15}	64.0447	0.28	2	DWF
98129 2000 SD_{25}		0.11	N	
98135 2000 SO_{40}	115.333	0.24	2	DWF
98136 2000 SP_{40}	8.127		2−	SWF
98138 2000 SW_{42}	5.95	0.23	2	SWF
98139 2000 SG_{53}	>1.35	>0.12		SWF
98150 2000 SO_{66}	>1.33	>0.13		SWF
98158 2000 ST_{75}	4.683	0.19	2	SWF
98163 2000 SX_{82}	24.1528	0.14	2	DWF
98167 2000 SF_{86}	95.5635	0.50	2	DWF
98171 2000 SD_{88}	5.56861	0.17	2	DWF
98173 2000 SO_{92}	30.0017	0.12	2	DWF

Planet	Period	Variation	Note	Survey
98205 2000 SG_{125}	103.941	0.26	2	DWF
98232 2000 SJ_{151}	5.55	0.78	3−	SWF
98234 2000 SA_{152}	12.179	0.50	2	SWF
98238 2000 SS_{154}	3.086	0.08	1	SWF
98258 2000 SG_{182}	5.693		2−	SWF
98260 2000 SL_{182}	9.27683	0.16	2	DWF
98262*2000 SF_{185}	14.19	0.54−0.95	3−	
98278 2000 SE_{212}			HN	DWF
98290 2000 SE_{228}	3.30	0.34	2−	SWF
98295 2000 SE_{231}	36.6577	0.16	2	DWF
98303 2000 SZ_{237}	3.45339	0.17	2	DWF
98308 2000 SY_{251}	3.4436	0.31	2	DWF
98313 2000 SP_{258}	12.0357	0.20	2	DWF
98325 2000 SR_{273}	4.69217	0.34	2	DWF
98326 2000 SG_{274}	2.58601	0.15	2	DWF
98338 2000 SB_{296}	4.52	0.35	3	
98339 2000 SG_{296}	8.93798	0.12	2	DWF
98342 2000 SD_{299}	102.509	0.09	1	SWF
98346 2000 SW_{304}	5.634	0.69−0.72	2	SWF
98354 2000 SM_{330}	4.77	0.41	2	SWF
98371 2000 TL_{19}	308.362	0.79	2	DWF
98372 2000 TO_{19}	6.20341	0.31	2	DWF
98379 2000 TN_{33}	8.9671	0.36	2	DWF
98381 2000 TP_{37}	5.215		2−	SWF
98384 2000 TG_{42}	67.293	0.75	2	SWF
98403 2000 UG_{8}	14.8104	0.20	2	DWF
98404 2000 UT_{8}		0.54		SWF
98421 2000 UD_{26}	70.5857	0.63	2	DWF
98441 2000 UW_{54}	273.996	1.45	2	DWF
98442 2000 UT_{55}	2.89	0.16−0.17	2	SWF
98454 2000 US_{66}	7.675	0.65	2	SWF
98463 2000 UL_{81}	S 10.15655		2 p N	LCI-W
98485 2000 US_{105}	15.897		2−	SWF
98496 2000 VT_{3}	28.24	2.10	1 DA	SWF
98504 2000 VY_{15}	4.938	0.58	2	SWF
98505 2000 VC_{16}	3.05	0.20	2	SWF
98530 2000 VR_{34}	21.4494	0.59	2	DWF
98554 2000 WP_{6}	4.34794	0.68	2	DWF
98590 2000 WW_{54}	5.227	0.69	2	SWF
98603 2000 WU_{69}	8.052	0.50	2	SWF
98610 2000 WP_{76}	5.22	0.28	1	SWF
98617 2000 WQ_{81}	11.71	0.46	2	SWF
98632 2000 WQ_{103}	218.307	0.68	2	DWF
98675 2000 WV_{168}	6.421	0.67	2	SWF
98708 2000 XO_{38}	12.5444	0.42	2	DWF
98713 2000 XH_{43}	>0.55	>0.09		SWF
98714 2000 XU_{47}	6.38079	0.41	2	DWF
98745*2000 YB_{47}	8.04	0.12	2−	
98746 2000 YQ_{49}	10.11	0.42	2	SWF
98778 2000 YX_{85}	250.263	0.40	2	DWF
98786 2000 YR_{96}	17.342	0.60−0.63	2	SWF
98800 2000 YN_{114}	S 14.23574		2 p N	LCI-W
98802 2000 YB_{115}	8.84388	0.20	2	DWF
98826 2000 YF_{140}	>1.00	>0.15		SWF
98828 2001 AP_{3}	27.4402	0.73	2	DWF
98857 2001 AM_{38}	2.69513	0.09	2	DWF
98864 2001 AR_{47}	4.33432	0.47	2	DWF
98866*Giannabussolari	3.262	0.07	2 A	
98869 2001 BT_{5}	4.68	1.0	2	SWF
98884 2001 BL_{29}	13.5404	0.56	2	DWF
98889 2001 BL_{38}	5.421	0.27	2+	
98916 2001 BU_{68}	S 3.584884		2 p N	LCI-W
98918 2001 BG_{72}	876.443	1.13	2	DWF
98926 2001 CH_{1}	17.3908	0.19	2	DWF
98931 2001 CC_{5}	33.4807	0.44	2	DWF
98943 2001 CC_{21}	5.017	0.81	3 N	
98954 2001 CJ_{32}	3.307	0.26	2	SWF
98955 2001 CE_{34}	6.198	0.53	2	SWF
98978 2001 DG_{19}	8.198	0.58	2	SWF
98984 2001 DK_{25}	530.694	0.77	2	DWF
98993 2001 DC_{36}	3.219	0.20−0.39	2	SWF
99008 2001 DU_{52}	37.45	0.47	2	
99013*2001 DX_{64}	3.54	0.31−0.38	2	SWF
99014 2001 DG_{65}	14.449	0.22−0.26	2	SWF
99023 2001 DV_{88}	>0.77	>0.17		SWF
99026 2001 DX_{92}	>3.72	>0.10		SWF
99028 2001 DC_{98}	S 4.97459		2 p N	LCI-W
99038 2001 EJ_{3}	14.8262	0.18	2	DWF
99043 2001 EX_{7}	>1.28	>0.30		SWF
99045 2001 EQ_{8}	>1.97	>0.19		SWF

Planet	Period	Variation	Note	Survey
99053 2001 EU_{15}	S 20.4073		2 p N	LCI-W
99058 2001 ET_{23}	>1.90	>0.35		SWF
99064 2001 FT_{2}	>1.33	>0.11		SWF
99070 Strittmatter	106.526	0.29	2	DWF
99093 2001 FU_{37}	43.975	0.63	2	DWF
99118 2001 FO_{68}	27.1134	0.36	2	DWF
99123 2001 FB_{78}	20.416	0.12	2	DWF
99124 2001 FW_{79}	58.4858	0.52	2	DWF
99159 2001 FK_{134}	103.47	0.56	2	DWF
99163 2001 FO_{140}	12.996	0.94−0.98	2	SWF
99172 2001 FG_{160}	7.06	0.25	2	SWF
99175 2001 FY_{163}	3.36	0.28	2	SWF
99179 2001 FP_{175}	3.47371	0.57	2	DWF
99189 2001 FV_{190}	11.049	0.65−0.89	2	SWF
99191 2001 FF_{194}	56.617	0.46	2	SWF
99193 Obsfabra	3.52866	0.28	2	DWF
99215 2001 HU_{45}	5.00951	0.44	2	DWF
99224 2001 HC_{58}	368.233	0.25	2	DWF
99225 2001 HX_{59}	1.78876	0.23	2	DWF
99237 2001 KD_{33}	7.81907	0.35	2	DWF
99248*2001 KY_{66}	19.7	0.21−0.30	2−	
99255 2001 LP_{11}	23.3891	0.17	2	DWF
99256 2001 LQ_{12}	10.528	0.25	2	SWF
99264 2001 OP_{42}	2.95	0.34	2	SWF
99287 2001 QN_{165}	9.81085	1.09	2	DWF
99302 2001 RU_{92}	5.65	0.21	2	SWF
99304 2001 SF_{53}	6.66541	0.25	2	DWF
99315 2001 TF_{46}	24.3373	0.35	2	DWF
99326 2001 UA_{26}	19.7464	0.35	2	DWF
99333 2001 VJ_{81}	32.407		2−	SWF
99362 2001 XN_{197}	10.066		2−	SWF
99383 2001 YV_{109}	3.21776	0.16	2	DWF
99395*2002 AB_{19}	7.08	0.29−0.54	2	
99403 2002 AX_{58}	>5.30	>0.26		SWF
99420 2002 AY_{158}	5.61196	0.52	2	DWF
99439 2002 CA_{1}	6.1904	0.44	2	DWF
99448 2002 CF_{30}	4.420		2−	SWF
99475 2002 CR_{118}	81.	>0.74	2 T0	
99486 2002 CJ_{171}	6.127	0.39	2	SWF
99488 2002 CW_{172}	2.93538	0.23	2	DWF
99525 2002 EW_{70}	4.52655	0.44	2	DWF
99528 2002 ES_{78}	188.524	0.40	2	DWF
99611 2002 GL_{68}	12.324	0.85	2	SWF
99620 2002 GP_{85}	S 5.90106		2 p N	LCI-W
99635 2002 GT_{106}	11.7879	0.66	2	DWF
99637 2002 GY_{107}	5.72667	0.44	2	DWF
99654 2002 HP_{4}	4.673	0.06	1	SWF
99656 2002 HD_{9}	5.339	0.40	2	SWF
99667 2002 JO_{1}	S 5.07877		2 p N	LCI-W
99674 2002 JN_{11}	7.42	0.75	1 DA	SWF
99714 2002 JQ_{41}	6.51245	0.33	2	DWF
99729 2002 JQ_{55}	4.62	0.60	1	SWF
99732 2002 JN_{57}	16.217	0.26	2	DWF
99742 2002 JY_{68}	4.663	0.54−0.69	2	SWF
99760 2002 JN_{100}	7.475	0.73−0.85	2 p	SWF
99767 2002 JP_{104}	6.78	0.70	1 DA	SWF
99800 2002 LF_{7}	3.56139	0.16	2	DWF
99805 2002 LY_{16}	6.750		2−	SWF
99812 2002 LW_{31}	150.	0.8	2 T0	
99818 2002 LO_{51}	>3.35	>0.10		SWF
99819 2002 LH_{52}	13.1219	0.34	2	DWF
99840 2002 NN_{28}	S 9.01580		2 p N	LCI-W
99862 Kenlevin	94.2792	0.16	2	DWF
99870 2002 PZ_{47}	6.96	0.23	1+	SWF
99889 2002 PS_{164}	5.865	0.19	2	SWF
99900 2002 QL_{32}	667.549	1.10	2	DWF
99907 1989 VA	2.5246	0.22−0.40	3	
99909 1994 PU_{2}	10.5		1 N	
99913 1997 CZ_{5}	2.833	0.14−0.20	3 B	
99918 1998 SQ_{2}	3.681	0.13	2	SWF
99921 1999 RO_{190}	9.59509	0.32	2	DWF
99942 Apophis	30.56	0.30−1.14	3 p T	
99954 1978 NH	10.4851	0.48	2	DWF
99957 1978 VM_{4}	5.716	0.70	2	SWF
99975 1981 EP_{6}	32.870	0.33	2	SWF
99978 1981 ER_{13}	6.96	0.82	3−	SWF
99980 1981 ER_{18}	2.35	0.13	2	
99990 1981 EM_{35}	7.072	0.21	2	SWF
99998 1981 ED_{48}	2.774	0.33	2	SWF
100003 1983 RN_{3}	20.8945	0.17	2	DWF

Planet	Period	Variation	Note	Survey
100004 1983 VA	3.1643	0.11	3	
100006 1987 DA_{7}	3.9422	0.14	3	
100014 1989 SR_{4}	12.511	0.17	2	SWF
100015 1989 SR_{7}	2.4172	0.05	3 BN	
100045 1991 TK_{1}	27.1736	0.44	2	DWF
100047 Leobaeck	3.469	0.58	2	SWF
100085 1992 UY_{4}	12.9060	0.24−0.26	3	
100088*1993 DC	2.7742	0.17−0.21	3−	
100113 1993 FW_{73}	6.665	0.60	2	SWF
100116 1993 KG_{1}	28.43	1.27	2	SWF
100119 1993 OB	26.854	0.33	2	DWF
100134 1993 RT_{14}	13.0074	0.17	2	DWF
100179 1994 AQ_{6}	35.2602	0.30	2	DWF
100196 1994 CL_{16}	13.225	0.58	2	SWF
100199 1994 EF_{4}	123.588	0.30	2	DWF
100229 Jeanbailly	112.945	0.51	2	SWF
100265 1994 TH_{14}	>0.97	>0.15		SWF
100270 1994 VQ	20.851	0.53	2	SWF
100280 1995 BQ_{1}	10.4441	0.28	2	DWF
100351 1995 SU_{88}	1.99	0.55	1	SWF
100359 1995 UK_{8}	14.1439	0.14	2 A3	DWF
100367 1995 UY_{40}	8.287	0.10	1	SWF
100384 1995 VH_{15}	5.823	0.67	2	SWF
100386 1995 WZ_{2}	8.383	0.09	1	SWF
100390 1995 WK_{13}	8.608	0.69−0.82	2	SWF
100391 1995 WO_{17}	4.59	0.78	2	SWF
100394 1995 WX_{32}	10.798	0.10	1	SWF
100400 1995 YX_{7}	90.520	0.72	2	SWF
100421 1996 FF_{4}	3.44	0.20	2	SWF
100434 Jinyilian	5.24191	0.41	2	DWF
100440*1996 PJ_{6}	4.5088	0.11	2 A	
100461 1996 TP_{7}	183.51	0.29	2	DWF
100468 1996 TO_{23}	5.458	0.08	2−	SWF
100478 1996 TW_{59}	20.000	0.28	2	SWF
100479 1996 TT_{60}	17.766	0.54	2	SWF
100491 1996 VE_{31}	7.22781	0.24	2	DWF
100493 1996 VK_{37}	>1.0	>0.22		
100495 1996 WH	9.72818	0.25	2	DWF
100585 1997 LN_{9}	26.5687	0.63	2	DWF
100625 1997 UZ	2.98	0.47	2	SWF
100628 1997 UX_{3}	3.265	0.10	1	SWF
100636 1997 UY_{26}	5.437	0.61	2	SWF
100641 1997 VO_{4}	12.5992	0.58	2	DWF
100644 1997 VV_{6}	40.5878	0.36	2	DWF
100656 1997 WD_{17}	12.0383	0.61	2	DWF
100670 1997 WV_{50}	6.014	0.61	2	SWF
100681 1997 YD_{1}	22.7415	0.18	2	DWF
100685 1997 YH_{2}	2.50	0.18	2	SWF
100718 1998 BR_{24}	3.43	0.25	2+	SWF
100753 1998 FN_{1}	4.72906	0.53	2	DWF
100756*1998 FM_{5}	6.369	0.80−1.14	3	
100761 1998 FT_{10}	5.358	0.18	2	SWF
100772 1998 FN_{34}	4.758	0.45	2	SWF
100784 1998 FM_{61}	4.301	0.40	2 p	SWF
100815 1998 FQ_{125}	S 5.32866		2 p N	LCI-W
100830 1998 HV_{9}	9.00	0.32	2	SWF
100831 1998 HW_{9}	5.203	0.80	2	SWF
100832 1998 HS_{10}	>1.33	>0.15		SWF
100850 1998 HV_{31}	5.45538	0.62	2	DWF
100854 1998 HU_{35}	12.972		2−	SWF
100868 1998 HE_{61}	34.2178	0.40	2	DWF
100877 1998 HN_{86}	30.9637	0.19	2	DWF
100925 1998 LV_{3}	6.734	0.30	2	SWF
100926 1998 MQ	2.328	0.11−0.12	2+	
100972 1998 QP_{22}	2.978		2−	SWF
101005 1998 QD_{47}	21.541	0.06	1	SWF
101065*1998 RV_{11}	4.977	0.40−0.42	3−	
101083 1998 RK_{27}	>1.28	>0.18		SWF
101097 1998 RB_{39}	4.743	0.64	2	SWF
101104 1998 RC_{42}	9.80	0.20	2	SWF
101145 1998 RD_{70}	67.938	1.02	2	SWF
101168 1998 SX_{2}	79.3533	0.27	2	DWF
101169 1998 SR_{3}	3.97898	0.47	2	DWF
101174 1998 SZ_{4}	8.990	0.98−1.00	2	SWF
101202 1998 SN_{36}			HN	DWF
101230 1998 SV_{72}	4.308	0.16	2	SWF
101251 1998 SE_{92}	S 9.46252		2 p N	LCI-W
101256 1998 SA_{95}	5.60	0.18	2−	SWF
101263 1998 SU_{105}	5.154	0.78−1.03	2	SWF
101286 1998 SF_{124}	32.9471	0.13	2	DWF

Planet	Period	Variation	Note	Survey
101310 1998 SJ_{136}			HN	DWF
101336 1998 TN_{1}	4.29	0.36	2	SWF
101340 1998 TN_{4}	5.75	0.37	1	SWF
101348 1998 TG_{17}	2.517	0.30	2	SWF
101355 1998 TS_{35}	21.343	0.69	2	SWF
101364 1998 US	157.315	0.26	2	DWF
101368 1998 UW_{2}	3.24116	0.24	2	DWF
101374 1998 UT_{9}	>0.92	>0.26		SWF
101383 Karloff	2.57	0.35	2	SWF
101392 1998 UW_{34}	4.941	0.39	2	SWF
101421 1998 VS_{17}	307.151	0.66	2	DWF
101429 1998 VF_{31}	7.70	0.07	2−	
101430 1998 VE_{32}	40.66	0.22	2+ T0	
101448 1998 VF_{54}	73.443	0.08	1	SWF
101480 1998 WH_{32}	4.38885	0.45	2	DWF
101496*1998 XM_{3}	5.0504	0.45−0.69	3	
101513 1998 XV_{25}			HN	DWF
101524 1998 XK_{65}	7.061		2−	SWF
101537 1998 YX_{14}	S 17.0944		2 p N	LCI-W
101549 1998 YY_{29}	56.7	0.51−0.70	2 T0	
101573 1999 BQ	94.3945	0.48	2	DWF
101576 1999 BM_{2}	7.57086	0.29	2 A	DWF
101593 1999 BU_{25}	19.2078	0.66	2	DWF
101595 1999 BJ_{26}	S 17.15708		2 p N	LCI-W
101603 1999 CB_{2}	6.790	0.79	2	SWF
101610 1999 CW_{7}	3.845	0.38	3 N	
101625 1999 CP_{20}	4.544	0.64	2	SWF
101636 1999 CO_{42}	S 8.24356		2 p N	LCI-W
101637 1999 CA_{43}	61.7416	0.32	2	DWF
101643 1999 CU_{51}	9.249	0.59	2	SWF
101646 1999 CQ_{56}	79.559	0.18	2	DWF
101659 1999 CJ_{80}	3.93072	0.28	2	DWF
101663 1999 CW_{84}	6.374	0.99	2	SWF
101667 1999 CX_{94}	6.689		2−	SWF
101668 1999 CR_{95}	16.54	0.38−0.90	3 B?	SWF
101673 1999 CE_{104}	5.444	0.33	2	SWF
101685 1999 CA_{114}	S 4.574506		2 p N	LCI-W
101703*1999 CA_{150}	3.8948	0.29−0.32	3	
101724 1999 ED_{6}	5.11252	0.45	2	DWF
101726 1999 EJ_{6}	56.713	0.31	2	SWF
101734 1999 FU_{1}	8.069	0.32	2	SWF
101740 1999 FC_{7}	14.6229	0.75	2	DWF
101743 1999 FN_{8}	31.1389	0.22	2	DWF
101753 1999 FT_{19}	8.08331	0.19	2	DWF
101769 1999 FF_{52}	8.7	0.43	2 D	
101771 1999 FB_{58}	4.69	0.66	2+	
101786 1999 GY_{17}	15.382	0.21	2	DWF
101810 1999 JA_{6}	4.44	0.49	2	SWF
101812 1999 JD_{7}	7.420	0.22	1 NA	
101824 1999 JF_{22}	43.4036	0.26	2	DWF
101840 1999 JU_{65}	3.92885	0.18	2	DWF
101850 1999 JT_{91}	7.66002	0.39	2	DWF
101867 1999 LR_{15}	9.472	0.89	2	SWF
101878 1999 NR_{23}	5.413	0.80	3	SWF
101879 1999 NP_{26}	11.547	0.09	1	SWF
101887 1999 NG_{42}	23.285		2−	SWF
101889 1999 NE_{55}	170.244	0.34	2	DWF
101890 1999 NK_{55}	24.7145	0.50	2	DWF
101897 1999 PO_{4}	9.39254	2.27	2	DWF
101909 1999 RU_{6}	>5.42	>0.16		SWF
101924 1999 RD_{18}	4.231	0.55	2	SWF
101935 1999 RV_{22}	5.786	0.10	1	SWF
101943 1999 RS_{24}	2.782	0.15	2	SWF
101950 1999 RB_{29}	5.81	0.31	3−	
101952 1999 RY_{31}	20.1939	0.23	2	DWF
101954 1999 RY_{33}	2.194	0.45	2	SWF
101955 Bennu	4.2968	0.1 −0.35	3 p	
101967 1999 RQ_{43}	52.184	0.46	2	DWF
101974 1999 RC_{49}	2.274	0.41	2	SWF
101978 1999 RZ_{52}	5.42	0.30	2	SWF
101991 1999 RK_{67}	15.7484	0.23	2	DWF
101993 1999 RJ_{70}	10.7304	0.17	2	DWF
101995 1999 RZ_{71}	66.3785	0.24	2	DWF
102024 1999 RY_{94}			HN	DWF
102032 1999 RC_{106}	5.659	0.63−0.74	2	SWF
102038 1999 RU_{109}	53.7971	0.53	2	DWF
102039 1999 RT_{110}	14.1842	0.54	2	DWF
102063 1999 RR_{134}	7.53	0.11	2+	
102069 1999 RF_{139}	5.00	0.62−0.70	3−	SWF
102079 1999 RV_{147}	1.45	0.12	2	SWF
102087 1999 RT_{151}	8.437	0.55	2	SWF
102112 1999 RR_{167}	6.681	0.63	2	SWF
102115 1999 RZ_{168}	2.989	0.28	2	SWF
102120 1999 RO_{172}	4.890	0.47	2	SWF
102129 1999 RM_{179}	44.408	0.94	2	SWF
102130 1999 RT_{179}	4.14769	0.26	2	DWF
102140 1999 RS_{184}	30.143		2	SWF
102141 1999 RT_{184}	50.2678	0.42	2	DWF
102148 1999 RA_{195}	6.34981	0.63	2	DWF
102161*1999 RM_{217}	3.724	0.53−0.63	2	SWF
102179 1999 RX_{237}	4.21456	0.13	2	DWF
102189 1999 SX_{1}	9.898	0.36	2	SWF
102196 1999 SC_{11}	15.0509	0.24	2	DWF
102197 1999 SR_{11}	10.1636	0.20	2	DWF
102203 1999 SC_{19}	26.6393	0.17	2	DWF
102229 1999 TS_{17}	34.8359	0.39	2	DWF
102312 1999 TA_{98}	10.359	0.22	2	SWF
102316 1999 TN_{100}	6.87	0.26	2	SWF
102317 1999 TP_{101}	4.5427	0.21	2	DWF
102327 1999 TG_{109}	21.6648	0.58	2	DWF
102333 1999 TK_{112}	7.16	1.04	2	SWF
102350 1999 TJ_{123}	11.1099	0.16	2	DWF
102358 1999 TN_{134}	17.695	0.50−0.58	2	SWF
102371 1999 TW_{143}	449.311	0.56	2	DWF
102380 1999 TE_{150}	63.867	0.54	2	SWF
102381 1999 TU_{151}	5.131		2−	SWF
102388 1999 TG_{155}	9.21058	0.29	2	DWF
102390 1999 TP_{155}	S 53.427		2 p N	LCI-W
102396 1999 TD_{166}	38.9807	0.25	2	DWF
102405*1999 TP_{172}	4.329	0.64−0.77	2	SWF
102416 1999 TL_{184}	91.3259	0.21	2	DWF
102423 1999 TJ_{192}			HN	DWF
102449 1999 TC_{217}	3.81191	0.42	2	DWF
102476 1999 TC_{246}	14.9813	0.18	2	DWF
102479 1999 TQ_{250}	5.52	0.32	2	SWF
102483 1999 TA_{253}	16.4078	0.15	2	DWF
102492 1999 TG_{265}	29.5933	0.21	2	DWF
102528 1999 US_{3}	4.682	0.45−0.50	3	
102529 1999 UD_{4}	2.238	0.07	1	SWF
102539 1999 UT_{10}	2.858	0.15	2	SWF
102548 1999 UF_{16}	4.93	0.26	2	SWF
102556 1999 UW_{23}	50.858		2−	SWF
102574 1999 UH_{41}	3.53914	0.24	2	DWF
102588 1999 UM_{52}	111.2	0.46	2	
102589 1999 UP_{52}	8.068	0.58	2	SWF
102605 1999 VH_{9}	2.27	0.48	3−	SWF
102622 1999 VR_{25}	5.34588	0.20	2	DWF
102633 1999 VY_{33}	5.289		2−	SWF
102712 1999 VQ_{93}	6.560	0.30	2	SWF
102720 1999 VW_{98}	3.81	0.77	1+	SWF
102727 1999 VF_{101}	9.40	1.16	3−	SWF
102760 1999 VG_{132}	7.44	0.65	2	SWF
102780 1999 VO_{147}	34.217	0.70	2	SWF
102790 1999 VH_{157}	6.110	0.09	1	SWF
102798 1999 VF_{165}	6.36	0.68	1+	SWF
102831 1999 VK_{189}	3.689	0.21	2	SWF
102847 1999 VV_{202}	27.819	0.24	2	SWF
102848 1999 VR_{203}	1.80271	0.17	2	DWF
102866 1999 WA_{5}	3.09	0.35	3−	
102873 1999 WK_{11}	2.40639	0.20	3	
102899 1999 XN_{11}	3.81503	0.14	2	DWF
102905 1999 XV_{16}	4.64977	0.18	2	DWF
102912 1999 XA_{21}	41.6	0.78	2+	
102994 1999 XG_{92}	22.343		2−	SWF
103004 1999 XR_{98}	4.562	0.44−0.59	2	SWF
103016 1999 XH_{105}	3.360	0.42	2	SWF
103036 1999 XP_{118}	9.741	0.20	2	SWF
103048 1999 XW_{128}	764.351	0.22	2	DWF
103055*1999 XR_{134}	4.604	0.98	2+	
103066 1999 XO_{141}	5.53	0.62	1+	SWF
103067*1999 XA_{143}	9.8490	0.46−0.49	3	
103071 1999 XU_{150}	7.399	0.55	2	SWF
103093 1999 XD_{166}	3.50	0.18	2	SWF
103110 1999 XP_{177}	9.8	0.51	2	SWF
103113 1999 XD_{178}	3.82	0.40	2−	SWF
103126 1999 XX_{191}	31.8575	0.17	2	DWF
103132 1999 XY_{198}	2.510	0.17	2+	
103139 1999 XS_{205}	>5.48	>0.07		SWF
103142 1999 XM_{207}	7.69273	0.20	2	DWF
103171 1999 XC_{231}	27.2351	0.53	2	DWF

Planet	Period	Variation	Note	Survey
103173 1999 XS_{233}	13.094	0.74	2	SWF
103180 1999 XF_{237}	5.68513	0.14	2	DWF
103189 1999 XV_{242}	3.374	0.45	2	SWF
103195 1999 XZ_{243}	5.260	0.36	2	SWF
103196 1999 XA_{244}	705.405	0.63	2	DWF
103204 1999 XN_{251}	7.67	0.90	2	SWF
103209 1999 XX_{256}	132.742	0.32	2	DWF
103242 2000 AL_{3}	S 5.57192		2 p N	LCI-W
103246 2000 AQ_{4}	>2.75	>0.08		SWF
103252 2000 AG_{9}	6.953	0.66−0.67	2	SWF
103268 2000 AV_{27}	24.9767	0.24	2	DWF
103277 2000 AU_{33}			HN	DWF
103295 2000 AA_{46}	33.4018	0.20	2	DWF
103306 2000 AU_{53}	13.441	0.50	2	SWF
103357*2000 AM_{92}	5.468	0.38−0.61	2	SWF
103360 2000 AS_{94}	>2.75	>0.12		SWF
103375 2000 AT_{114}	7.306	0.71−0.79	2	SWF
103405 2000 AM_{134}	260.	0.5	1	SWF
103420 2000 AX_{150}	60.1994	0.31	2	DWF
103424 2000 AY_{155}	4.51	0.12	2	SWF
103438 2000 AT_{182}	7.75206	0.27	2	DWF
103440 2000 AC_{187}	65.7574	0.15	2	DWF
103468 2000 AX_{209}	9.32	0.56	1	SWF
103469 2000 AK_{211}	>0.88	>0.31		SWF
103501 2000 AT_{245}	29.95	0.16	2 1A	
103502 2000 AF_{247}	5.784	0.37	2	SWF
103506 2000 BD_{1}	448.158	0.59	2	DWF
103515 2000 BR_{4}	4.921	0.68	2	SWF
103520 2000 BB_{6}	5.017	0.66−0.72	2	SWF
103537 2000 BO_{17}	9.310	0.33	2	SWF
103541 2000 BU_{18}	7.11	0.84	2−	SWF
103558 2000 BE_{29}	65.9828	0.65	2	DWF
103579 2000 CZ_{3}	66.444	0.63	2	SWF
103617 2000 CL_{23}	18.0098	0.44	2	DWF
103673 2000 CZ_{55}	17.7912	0.30	2	DWF
103695 2000 CL_{75}	5.084	0.27	2	SWF
103698 2000 CH_{77}	S 7.48719		2 p N	LCI-W
103705*2000 CW_{82}	5.29916	0.54	2 p	DWF
103708 2000 CD_{84}	6.011	0.15−0.21	2	SWF
103717*2000 CS_{91}	26.5127	0.13	1+	DWF
103734 2000 CO_{106}	11.1728	0.20	2	DWF
103746 2000 CK_{113}	46.4549	0.54	2	DWF
103754 2000 CP_{122}	5.081	0.85	2	SWF
103757 2000 CJ_{124}	119.601	0.20	2	DWF
103759 2000 CG_{125}				SWF
103767 2000 CK_{147}	>5.48	>0.22		SWF
103799 2000 DN_{13}	19.552		2−	SWF
103826 2000 DV_{24}	23.4473	1.28	2	DWF
103910 2000 DS_{59}	>1.78	>0.20		SWF
103914 2000 DR_{60}	7.905	0.22	3−	SWF
103929 2000 DU_{64}	19.088	0.50	2	SWF
103930 2000 DG_{65}	4.397	0.70	2	SWF
103938 2000 DU_{68}	5.96	0.19	2	SWF
103944 2000 DE_{71}			HN	DWF
103946 2000 DG_{72}	S 8.48544		2 p N	LCI-W
103980 2000 DT_{85}	4.310	0.51	2	SWF
104016 2000 DH_{108}	8.89	0.29	2	SWF
104057 2000 EU_{17}	7.290	0.40	2	SWF
104067 2000 EY_{20}	22.2179	0.18	2	DWF
104083 2000 EU_{30}	7.40206	0.25	2	DWF
104087 2000 EV_{32}	>1.98	>0.20		SWF
104103 2000 EW_{43}	13.33	0.50	2−	SWF
104108 2000 EH_{45}		0.54		SWF
104113 2000 EJ_{49}	5.143	0.57	2	SWF
104127 2000 EG_{59}	8.50	0.85	2	SWF
104160 2000 EF_{74}	13.9884	0.50	2	DWF
104182 2000 EB_{96}	195.786	0.71	2	SWF
104188 2000 EW_{99}	50.097	0.83	2	SWF
104189 2000 EQ_{100}	3.89	0.19	2	SWF
104193 2000 EO_{102}	2.7065	0.08	2−	SWF
104198 2000 ED_{106}	3.56123	0.19	2	DWF
104218 2000 EU_{119}	3.640	0.49	2	SWF
104245 2000 ED_{135}	3.07	0.33	2	SWF
104293 2000 EN_{166}	3.398	0.51	2	SWF
104296 2000 ET_{169}	167.346	0.09	1	SWF
104346 2000 FY_{16}	96.9693	0.25	2	DWF
104353 2000 FR_{19}	3.52361	0.24	2	DWF
104367 2000 FG_{27}	5.97755	0.38	2	DWF
104374 2000 FN_{30}	S 11.64349		2 p N	LCI-W
104392 2000 FW_{39}	138.966	0.40	2	DWF
104415 2000 FG_{57}	2.72	0.28	2	SWF
104427 2000 FE_{62}	15.495	0.22	2	DWF
104431 2000 FP_{64}	138.07	0.20	2	DWF
104436 2000 FG_{68}	222.573	0.52	2	DWF
104465 2000 GS_{13}			HN	DWF
104505 2000 GR_{39}	158.468	0.63	2	SWF
104538 2000 GJ_{56}	14.63	0.29	2	SWF
104551 2000 GU_{63}	7.78	1.04	1 DA	SWF
104579 2000 GW_{80}	5.93	0.84	2	SWF
104624 2000 GD_{112}	3.649	0.09	1	SWF
104626 2000 GT_{112}	5.096	0.79	2	SWF
104643 2000 GY_{122}	5.647	0.80	2	SWF
104653 2000 GB_{134}	10.814	0.52	2	SWF
104680 2000 GK_{153}	26.7076	0.40	2	DWF
104683 2000 GF_{154}	9.249	0.09	1	SWF
104688 2000 GN_{155}	4.3315	0.17	2	DWF
104710 2000 GR_{168}	51.3075	0.28	2	DWF
104718 2000 GQ_{174}	7.57	0.71	2	SWF
104722 2000 GU_{175}	>8.	>0.11	N	
104729 2000 GT_{181}	10.368	0.76	2	SWF
104748 2000 HO_{12}			HN	DWF
104750 2000 HW_{12}	34.3525	0.22	2	DWF
104763 2000 HT_{22}			HN	DWF
104782 2000 HJ_{32}	9.509	0.54	2	SWF
104784 2000 HX_{32}	108.992	0.32	2	DWF
104792 2000 HJ_{37}	S 10.83600		2 p N	LCI-W
104807 2000 HS_{45}	39.276	0.23	2	DWF
104833 2000 HH_{65}	5.58623	0.52	2	DWF
104844 2000 HE_{72}	5.58	0.68	2−	SWF
104848 2000 HL_{74}	2.55942	0.40	2	DWF
104851 2000 HH_{75}	8.241	0.31	2	SWF
104859 2000 HU_{78}	1.58985	0.24	2 A3	DWF
104885 2000 HW_{103}	45.8593	0.20	2	DWF
104900 2000 JL_{7}	4.49	0.19	2+	SWF
104912 2000 JB_{15}	4.443	0.28	2	SWF
104921 2000 JW_{18}	4.90032	0.38	2	DWF
104957 2000 JR_{49}	4.244	0.25	2	SWF
104968 2000 JX_{58}	>1.78	>0.23		SWF
104969 2000 JF_{59}	17.5561	0.52	2	DWF
104984 2000 JL_{77}	3.09	0.39	1+	SWF
104989 2000 JH_{84}	>5.20	>0.12		SWF
104994 2000 JY_{85}	3.5499	0.39	2	DWF
104997 2000 KS_{2}	28.388	0.71−0.74	2	SWF
104998 2000 KT_{2}	16.8	0.39	2	
105014 2000 KK_{13}	>5.48	>0.18		SWF
105023 2000 KD_{30}	4.66	0.84	2	SWF
105026 2000 KX_{30}	4.25	0.52−0.60	2	SWF
105047 2000 KG_{52}				SWF
105050 2000 KV_{53}	3.5212	0.12	2	DWF
105062 2000 KE_{62}	149.56	0.33	2	DWF
105063 2000 KZ_{62}	5.006	0.54	2	SWF
105081 2000 KF_{74}	112.554	0.36	2	DWF
105087 2000 KB_{79}	>5.40	>0.27		SWF
105131 2000 MD_{3}			HN	DWF
105132 2000 MJ_{3}	8.93479	0.24	2	DWF
105140*2000 NL_{10}	6.9269	0.43−0.62	3	
105148 2000 NL_{17}	20.4396	0.23	2	DWF
105152 2000 NV_{24}	16.7992	0.13	2	DWF
105155 2000 NG_{26}	5.62	0.15	2	
105158 2000 OL	3.136	0.20−0.23	3	
105165 2000 OQ_{12}	19.0617	0.13	2	DWF
105194 2000 OA_{38}	317.36	0.43	2	DWF
105218 2000 OJ_{57}	3.872	0.19	2	SWF
105228 2000 PW_{5}	4.61131	0.16	2	DWF
105231 2000 PJ_{10}	58.5905	0.23	2	DWF
105239 2000 PD_{21}	>1.15	>0.17		SWF
105247*2000 QH_{3}	2.73194	0.17	2 A	
105280 2000 QD_{35}	>3.27	>0.10		SWF
105291 2000 QY_{47}	5.19	0.85−1.35	2+	SWF
105312 2000 QC_{71}	8.91	0.89	2+	SWF
105356 2000 QF_{108}	5.218	0.63	2	SWF
105373 2000 QG_{127}	88.2171	0.54	2	DWF
105375 2000 QC_{129}	6.529	0.62	2	SWF
105378 2000 QF_{130}	27.5576	0.33	2	DWF
105411 2000 QQ_{154}	2.94	0.26	2−	SWF
105427 2000 QL_{173}	15.514	0.28	2	SWF
105460 2000 QV_{201}	43.6586	0.24	2	DWF
105471 2000 QP_{209}	16.7542	0.30	2 1	DWF
105473 2000 QA_{211}	4.574	0.73	2	SWF
105509 2000 RL_{9}	26.1021	0.46	2	DWF

Planet	Period	Variation	Note	Survey
105535 2000 RT_{32}	98.0673	0.31	2	DWF
105539 2000 RJ_{39}	149.297	0.30	2	DWF
105542 2000 RR_{40}	11.928	0.64	2	SWF
105546 2000 RM_{44}	3.78	0.10	1	SWF
105547 2000 RX_{44}	3.01	0.41	2	SWF
105555 2000 RK_{53}	>0.47	>0.08		SWF
105556*2000 RU_{53}	29.958	0.42−0.76	2	SWF
105610 2000 RG_{98}	51.9486	0.24	2	DWF
105625 2000 SG_{4}	4.59	0.82	2	SWF
105631 2000 SU_{7}	65.032	0.82	2	SWF
105632 2000 SQ_{8}	61.39	0.20	2	DWF
105644 2000 SY_{19}	7.0474	0.25	2	DWF
105651 2000 SF_{24}	6.05999	0.61	2	DWF
105654 2000 SX_{26}	348.741	0.70	2	SWF
105657 2000 SL_{28}	277.624	0.84	2	DWF
105695 2000 SC_{63}	4.698	0.52	2	SWF
105717 2000 SM_{76}	39.3214	0.14	2	DWF
105742 2000 SH_{90}	32.372	0.71−0.97	2	SWF
105770 2000 SA_{108}	>4.35	>0.46		SWF
105774 2000 SX_{111}	10.04	0.78	2−	SWF
105775 2000 SY_{112}	3.69	0.60	2	SWF
105777 2000 SX_{113}	6.442	0.71−0.94	2	SWF
105781 2000 SM_{115}	24.24	0.23	2	SWF
105786 2000 SD_{120}	>1.78	>0.12		SWF
105792 2000 SK_{122}	9.10315	0.48	2	DWF
105815 2000 SB_{141}	4.448		2−	SWF
105823 2000 SF_{143}	S 6.48938		2 p N	LCI-W
105832 2000 SM_{148}	8.579	1.23	2	SWF
105841 2000 ST_{155}	9.231	0.61	2	SWF
105844 2000 SH_{160}	38.26	1.45	2 T0	
105892 2000 SO_{183}	5.366	0.55	2	SWF
105934*2000 SM_{224}	3.80	0.43−1.23	2	SWF
105955 2000 SU_{249}	5.758	0.71	2	SWF
105978 2000 SJ_{266}	S 3.857700		2 p N	LCI-W
105981 2000 SS_{268}	>1.35	>0.12		SWF
105999 2000 SG_{283}	14.6458	0.30	2	DWF
106000 2000 SJ_{283}	3.53118	0.26	2	DWF
106002 2000 SE_{284}	46.1476	0.33	2	DWF
106018 2000 SK_{294}	71.3799	0.20	2	DWF
106021 2000 SX_{294}	9.873	0.76	2	SWF
106041 2000 SU_{305}	250.372	0.43	2	DWF
106052 2000 ST_{312}	8.805	0.81	2	SWF
106054 2000 SN_{313}	5.409	0.57	2	SWF
106058 2000 SE_{316}	12.793	1.03	2	SWF
106069 2000 SJ_{330}	2.557	0.09	1	SWF
106074 2000 SO_{339}	5.40779	0.26	2	DWF
106086 2000 SE_{356}	5.95928	0.34	2	DWF
106089 2000 SJ_{359}	117.892	0.50	2	DWF
106095 2000 SP_{369}	13.48	0.29	2	SWF
106121 2000 TP_{33}	8.48	0.98	3	
106131 2000 TO_{39}	>1.97	>0.11		SWF
106151 2000 TR_{56}	6.834	0.77	2	SWF
106169 2000 TP_{67}	2.60	0.23	2	SWF
106189 2000 UM_{11}	53.8689	0.71	2	DWF
106195 2000 UM_{15}	>0.78	>0.31		SWF
106203 2000 UB_{23}	5.69	0.79	2+	SWF
106206 2000 UR_{29}	7.317	0.04	2 A	
106215 2000 UD_{35}	>5.08	>0.23		SWF
106230 2000 UB_{41}	4.73275	0.43	2	DWF
106241 2000 UC_{47}	5.397	0.27	2	SWF
106263 2000 UG_{62}	12.558	0.75	2	SWF
106271 2000 UO_{67}	11.2322	0.18	2	DWF
106275 2000 UY_{69}	38.293	0.26−0.30	2	SWF
106303 2000 UO_{87}	>1.93	>0.35		SWF
106322 2000 UQ_{99}	6.570	0.50	2	SWF
106328 2000 UV_{102}	10.21	0.38	2	SWF
106329 2000 UL_{104}	6.449		2−	SWF
106330 2000 UU_{104}	>1.00	>0.02		SWF
106332 2000 UO_{106}	54.627		2	SWF
106342 2000 UP_{110}	8.19669	0.29	2	DWF
106357 2000 VD_{5}	>1.13	>0.20		SWF
106370 2000 VT_{10}	43.3178	0.19	2	DWF
106373 2000 VP_{11}	>0.92	>0.12		SWF
106395 2000 VL_{24}	9.56	0.61	2	SWF
106400 2000 VO_{27}	6.674	0.71	2	SWF
106401 2000 VB_{28}	66.3915	0.24	2	DWF
106402 2000 VD_{28}	10.453		2−	SWF
106408 2000 VK_{30}	4.000	0.75	2	SWF
106414 2000 VM_{32}	16.731	0.23	2	SWF
106436 2000 VB_{51}	37.1434	0.30	2	DWF

Planet	Period	Variation	Note	Survey
106448 2000 VN_{56}	4.020	0.09	1	SWF
106474 2000 WZ_{13}			HN	DWF
106480 2000 WX_{18}	2.753	0.10	1	SWF
106495 2000 WD_{31}	4.06176	0.28	2	DWF
106510 2000 WN_{41}	7.736		2−	SWF
106520 2000 WA_{51}	40.8665	0.20	2	DWF
106521 2000 WC_{51}	30.4408	0.42	2	DWF
106538 2000 WK_{63}	51.2	0.60	2	
106546 2000 WF_{69}	5.73199	0.40	2	DWF
106563 2000 WR_{85}	S 5.69347		2 p N	LCI-W
106565 2000 WE_{86}	23.3775	0.15	2	DWF
106570 2000 WY_{89}	6.927	0.65−0.67	2	SWF
106574 2000 WH_{94}	40.171	0.68	2	SWF
106588 2000 WW_{106}	11.1524	0.25	2	DWF
106589 2000 WN_{107}	3.101	0.07	2−	
106590 2000 WQ_{107}	21.67	0.16	1 NA	
106595 2000 WT_{109}	3.347	0.60	2	SWF
106598 2000 WZ_{112}	5.981	0.54	2	SWF
106599 2000 WA_{113}	221.133	0.29	2 A	DWF
106604 2000 WN_{114}	5.025	0.61	2	SWF
106615 2000 WY_{121}			HN	DWF
106620 2000 WL_{124}	104.5	0.58	2 T-	
106637 2000 WU_{132}	3.908	0.38	2	SWF
106647 2000 WC_{135}	411.094	0.07	1	SWF
106656 2000 WE_{142}	181.276	0.23	2	DWF
106661 2000 WH_{144}	5.40	0.72	2	SWF
106666 2000 WL_{146}	21.2696	0.16	2	DWF
106685 2000 WE_{156}	S 63.123		2 p N	LCI-W
106690 2000 WK_{158}	3.054	0.10	1	SWF
106692 2000 WF_{159}			HN	DWF
106711 2000 WE_{173}	3.474	0.08	1	SWF
106714 2000 WZ_{173}	S 10.06645		2 p N	LCI-W
106721 2000 WJ_{177}	9.219	0.82	2	SWF
106723 2000 WE_{179}	368.455	0.74	2	SWF
106726 2000 WQ_{180}	4.88228	0.26	2	DWF
106746 2000 WE_{192}	613.281	0.27	2	DWF
106751 2000 XL_{4}	130.987	0.40	2	DWF
106757 2000 XW_{5}	17.371	0.44	2	SWF
106784 2000 XQ_{21}	6.190	0.60	2	SWF
106790 2000 XW_{23}	43.152	0.07	1	SWF
106793 2000 XB_{26}	12.1103	0.50	2	DWF
106802 2000 XX_{32}	80.401	0.81	2	SWF
106807 2000 XE_{37}	40.062	0.62	2	SWF
106818 2000 XV_{44}	19.982	0.58	2	SWF
106821*2000 XX_{45}	5.484	0.29−0.34	2	SWF
106835 2000 YE_{8}	15.867		2	SWF
106836 2000 YG_{8}	20.1	0.58	2	
106845 2000 YR_{14}	86.126	0.84	2	SWF
106850 2000 YN_{18}	17.4287	0.20	2	DWF
106854 2000 YB_{21}	5.473	0.65	2	SWF
106866 2000 YQ_{28}	5.228	0.79	2	SWF
106908 2000 YX_{48}	S 6.68336		2 p N	LCI-W
106914 2000 YO_{51}	9.008	0.28	2	SWF
106936 2000 YF_{66}	43.7689	0.38	2	DWF
106984 2000 YJ_{98}	5.25	0.60	1	SWF
106998 2000 YA_{109}	5.101		2−	SWF
106999 2000 YG_{109}	5.408	0.58	2	SWF
107012 2000 YS_{113}	2.73	0.23	2	SWF
107016 2000 YK_{115}	5.894	0.56	2	SWF
107026*2000 YQ_{118}	2.789	0.20−0.41	2	SWF
107059 2001 AK_{8}	31.4783	0.37	2	DWF
107062 2001 AP_{10}	7.48	0.72	1 DA	SWF
107084 2001 AQ_{24}	4.449	0.64	2	SWF
107110 2001 AG_{37}	5.981	0.21	2	SWF
107111 2001 AJ_{37}	59.323	0.26	2	DWF
107128 2001 AG_{47}	4.58527	0.13	2	DWF
107140 2001 BC_{5}	3.473	0.09	1	SWF
107199 2001 BA_{32}	5.18	0.12	2	SWF
107205 2001 BW_{33}	5.03	0.27	2	SWF
107214 2001 BG_{43}	17.6372	0.15	2	DWF
107239 2001 BS_{56}	87.766	0.49	2	SWF
107240 2001 BS_{57}	10.13	0.71	2	SWF
107255 2001 BQ_{62}	82.631	0.35	2	DWF
107270 2001 BN_{70}	57.821	0.08	1	SWF
107273 2001 BT_{71}	5.93	0.78	3−	SWF
107300 2001 CZ_{5}	26.7656	0.40	2	DWF
107309 2001 CU_{8}	17.216	0.44	2	SWF
107355 2001 CP_{27}	78.211	0.42	2	SWF
107359 2001 CL_{28}	395.929	0.18	2	DWF
107361 2001 CX_{28}	32.731		2	SWF

Planet	Period	Variation	Note	Survey
107373 2001 CR_{31}	19.424	0.44	2	SWF
107381 2001 CP_{39}	6.376	0.88	2	SWF
107426 2001 DL_{13}	3.598	0.16	2	SWF
107448 2001 DS_{19}	5.551	0.55	2	SWF
107486 2001 DL_{37}	>1.37	>0.18		SWF
107506 2001 DM_{49}	>5.48	>0.26		SWF
107522 2001 DY_{60}	202.778	0.27	2	DWF
107529 2001 DB_{65}	>4.48	>0.39		SWF
107539 2001 DB_{70}	7.93166	0.82	2	DWF
107541 2001 DG_{70}	5.67	0.07	2 A	
107578 2001 DB_{96}	>0.88	>0.28		SWF
107579 2001 DF_{96}	9.069	0.42	2	SWF
107585 2001 DM_{99}	30.751		2−	SWF
107587 2001 DA_{101}	4.165	0.41	2	SWF
107589 2001 DW_{101}	40.891		2−	SWF
107615 2001 EK_{5}	427.823	0.59	2	DWF
107632 2001 EX_{11}	5.52	0.73	2+	SWF
107633 2001 EA_{12}	>5.35	>0.38		SWF
107661 2001 FC_{2}	4.41965	0.30	2	DWF
107668 2001 FY_{4}	32.9	0.06	1	
107671 2001 FW_{5}	6.98639	0.71	2	DWF
107679 2001 FQ_{10}	1.69	0.14	2 3	SWF
107693 2001 FE_{15}	13.674	0.75	2	SWF
107732 2001 FK_{28}	4.596		2−	SWF
107750 2001 FY_{35}	5.605	0.42	2	SWF
107797 2001 FF_{55}	S 18.9606		2 p N	LCI-W
107829 2001 FZ_{67}	60.7994	0.15	2	DWF
107849 2001 FV_{76}	5.668	0.39−0.40	2	SWF
107855 2001 FU_{78}	114.598	0.37	2	SWF
107858 2001 FB_{79}	S 11.82106		2 p N	LCI-W
107901 2001 FY_{95}	5.007	0.65	2	SWF
107910 2001 FT_{99}	S 13.06788		2 p N	LCI-W
107924 2001 FO_{103}	3.599	0.48	3−	
107926 2001 FT_{103}	5.57	0.77	2	SWF
107933 2001 FB_{110}	91.1165	0.52	2	DWF
107954 2001 FX_{120}	19.288	0.18	2 A3	DWF
107991 2001 FK_{136}	2.299	0.07	1	SWF
107998 2001 FM_{137}	6.452	0.66	2	SWF
108004 2001 FS_{138}	8.764	0.60−0.78	2	SWF
108013 2001 FX_{143}	12.1982	0.20	2 1	DWF
108031 2001 FC_{152}	3.590	0.21	2	SWF
108040 2001 FA_{155}	3.338	0.04	1	SWF
108067 2001 FO_{165}	109.334	0.73	2	SWF
108074 2001 FK_{169}	8.691	0.34	2	SWF
108075 2001 FO_{169}	1.41269	0.15	2 1	DWF
108081 2001 FM_{171}	31.386	0.67	2	SWF
108111 2001 FY_{194}	2.861	0.29	2	SWF
108120 2001 GT_{4}	5.4876	0.73	2	DWF
108126 2001 GD_{7}	18.1697	0.16	2	DWF
108139 2001 GL_{11}	33.3134	0.38	2	DWF
108163 2001 HA_{6}	383.502	0.71	2	SWF
108177 2001 HW_{12}	10.349	0.46−0.58	2	SWF
108178 2001 HZ_{12}	>1.90	>0.25		SWF
108184 2001 HH_{15}		1.36		SWF
108190 2001 HL_{16}	8.384	0.48	2	SWF
108196 2001 HW_{20}	2.737	0.20	2−	SWF
108203 2001 HT_{22}	8.30019	0.64	2	DWF
108204 2001 HX_{22}	2.49	0.16	2	SWF
108210 2001 HC_{29}	90.6992	0.25	2	DWF
108227 2001 HY_{36}	9.845	0.71	2	SWF
108228 2001 HN_{37}	S 17.7379		2 p N	LCI-W
108254 2001 HS_{48}	31.7087	0.82	2	DWF
108259 2001 HA_{51}	48.8824	0.31	2	DWF
108270 2001 HL_{56}	2.939	0.48	2	SWF
108277 2001 HR_{58}	16.4883	0.29	2	DWF
108280 2001 HA_{60}	>3.72	>0.32		SWF
108304 2001 JP	7.591	0.29	2	SWF
108336 2001 KV_{3}	24.49	0.29	2	SWF
108346 2001 KE_{8}	6.28327	0.35	2	DWF
108352 2001 KT_{9}	2.394	0.14	2	SWF
108353 2001 KH_{10}	6.255	0.11	2	SWF
108354 2001 KS_{10}	62.3858	0.22	2	DWF
108365 2001 KU_{15}	5.114	0.62	2 p	SWF
108438 2001 KY_{43}	17.466	0.55−0.75	2	SWF
108444 2001 KM_{46}	1.34828	0.16	2	DWF
108445 2001 KZ_{46}	2.716	0.27	2	SWF
108447 2001 KN_{47}	6.390	0.41	2	SWF
108462 2001 KS_{54}	25.1479	0.29	2	DWF
108465*2001 KB_{56}	15.458	0.35−0.39	2	SWF
108472 2001 KF_{57}	2.146	0.08	1	SWF

Planet	Period	Variation	Note	Survey
108475 2001 KH_{58}	S 5.54469		2 p N	LCI-W
108477 2001 KL_{58}	>1.13	>0.29		SWF
108479 2001 KE_{60}	8.167	0.33−0.37	2	SWF
108486*2001 KL_{62}	21.431	0.44−0.71	2	SWF
108496 Sullenberger	5.475	0.80	2	SWF
108497 2001 KJ_{64}	5.42	1.24	2	SWF
108516 2001 KR_{75}	6.681	0.72−0.75	2	SWF
108519 2001 LF	4.495	0.10	3 N	
108521*2001 LL	7.80	0.16−0.44	2	SWF
108522 2001 LQ	8.359	0.95	2	SWF
108528 2001 LQ_{2}	5.5	0.75	2+	
108531 2001 LH_{4}	12.6683	0.22	2	DWF
108532 2001 LJ_{4}	4.567	0.67	2	SWF
108543 2001 LL_{9}	2.67	0.10	2	SWF
108549 2001 LJ_{11}	8.879	0.52	2	SWF
108551 2001 LK_{12}	32.6362	0.18	2	DWF
108553 2001 LS_{12}	3.602	0.30−0.43	2	SWF
108581 2001 MS_{8}	10.91	0.28	2	SWF
108592 2001 MC_{13}	208.076	0.08	1	SWF
108616 2001 ML_{25}	2.050	0.08	1	SWF
108620 2001 MY_{26}	34.7383	0.38	2	DWF
108640 2001 NZ_{8}	39.0654	0.13	2	DWF
108658 2001 ND_{20}	7.051	0.38	2	SWF
108662 2001 NY_{20}	>1.35	>0.11		SWF
108668 2001 OX_{1}	9.86128	0.19	2 A3	DWF
108670 2001 OS_{2}	14.7809	0.18	2	DWF
108671 2001 OW_{2}	14.959	0.54	2	SWF
108677 2001 OV_{5}	10.864	0.08	1	SWF
108701 2001 OF_{16}	2.36876	0.25	2	DWF
108704 2001 OW_{17}	3.078	0.27	2	SWF
108745 2001 ON_{40}	2.7581	0.09	2	DWF
108750 2001 OC_{43}	12.2095	0.40	2	DWF
108780 2001 OT_{58}	35.6083	0.21	2	DWF
108797 2001 OV_{69}	5.460	0.54−0.55	2	SWF
108799 2001 OX_{70}	20.1803	0.24	2	DWF
108806 2001 OK_{74}	8.030	0.29−0.31	2	SWF
108818 2001 OM_{77}	7.102	0.43−0.57	2	SWF
108832 2001 OX_{83}			HN	DWF
108846 2001 OW_{91}	2.99	0.45	1	
108860 2001 OZ_{96}	41.9382	0.53	2	DWF
108875 2001 OT_{104}	2.84541	0.13	2 A	DWF
108877 2001 OK_{105}	247.958	0.50	2	DWF
108882 2001 OF_{106}	6.53	0.55	1+	SWF
108892 2001 PM_{2}	204.792	0.86	2	SWF
108903 2001 PR_{8}	1.70631	0.51	2	DWF
108904 2001 PC_{9}	30.139	0.40	2	SWF
108912 2001 PD_{12}	8.520	0.24−0.36	2	SWF
108930 2001 PQ_{22}	5.606	0.35−0.36	2	SWF
108931 2001 PR_{22}	14.618	0.68−0.73	2	SWF
108932 2001 PA_{23}	155.599	0.26	2	DWF
108936 2001 PJ_{24}	25.3747	0.21	2	DWF
108938 2001 PP_{25}	3.166	0.41	2	SWF
108966 2001 PO_{38}	285.173	0.16	2	DWF
108971 2001 PL_{42}	215.38	0.39	2	DWF
108973*2001 PV_{42}	5.5	>1.07	2 1	
109018 2001 QA_{6}	11.29	0.71	2	SWF
109052 2001 QL_{15}	2.90597	0.36	2	DWF
109058 2001 QV_{17}	5.67151	0.37	2	DWF
109066 2001 QE_{21}	42.6163	0.24	2	DWF
109069 2001 QZ_{21}	6.577		2−	SWF
109076 2001 QS_{24}	39.574	0.78	2	SWF
109083 2001 QE_{27}	2.66182	0.40	2	DWF
109087 2001 QE_{29}	344.894	0.34	2	DWF
109092 2001 QG_{31}	4.22885	0.48	2	DWF
109104 2001 QV_{36}	3.542	0.16−0.22	2	SWF
109113 2001 QB_{41}	2.51	0.53	2	SWF
109118 2001 QH_{42}	7.898	0.68	2	SWF
109122 2001 QZ_{43}	3.92	0.44	2	SWF
109131 2001 QV_{51}			HN	DWF
109132 2001 QE_{52}	7.01732	0.26	2	DWF
109137 2001 QO_{54}	5.58	1.13	2	SWF
109149 2001 QR_{58}	14.1471	0.30	2	DWF
109156 2001 QV_{60}	5.19888	0.50	2	DWF
109169 2001 QF_{64}	116.331	0.18	2	DWF
109180 2001 QD_{67}	2.723	0.09	1	SWF
109187 2001 QK_{71}	19.737	0.60	2	SWF
109195 2001 QE_{75}	7.06196	0.27	2	DWF
109196 2001 QA_{76}	6.3632	0.38	2	DWF
109204 2001 QE_{81}	190.100	0.71	2	SWF
109211 2001 QO_{83}	5.106	0.51	2	SWF

Planet	Period	Variation	Note	Survey
109214*2001 QJ_{85}	S 6.81070	0.33	2 p	LCI-W
109220 2001 QE_{87}	77.375	0.45	2	SWF
109226 2001 QH_{91}	18.6741	0.21	2	DWF
109233 2001 QV_{93}	3.972	0.49	2	SWF
109244 2001 QZ_{98}	134.423	0.36	2	SWF
109250 2001 QX_{102}	5.940	0.33−0.40	2	SWF
109280 2001 QO_{118}	8.00	0.92	1 DA	SWF
109291 2001 QN_{123}	5.870	0.49	2	SWF
109313 2001 QR_{134}	6.46672	0.38	2	DWF
109314 2001 QU_{134}	7.21611	0.36	2	DWF
109334 2001 QL_{143}	11.71	0.37	2−	SWF
109340 2001 QF_{148}	3.36984	0.20	2	DWF
109350 2001 QM_{152}	12.024	0.17	2	DWF
109362 2001 QO_{157}	194.772	0.08	1	SWF
109368 2001 QM_{158}			HN	DWF
109378 2001 QN_{163}	6.30509	0.72	2	DWF
109383 2001 QR_{165}	11.7559	0.32	2	DWF
109391 2001 QY_{171}	105.75	0.94	2	DWF
109400 2001 QY_{179}	S 5.05910		2 p N	LCI-W
109401 2001 QG_{180}	4.42221	0.21	2	DWF
109402 2001 QM_{180}	5.083	0.57	2	SWF
109406 2001 QC_{182}	68.7364	0.27	2	DWF
109423 2001 QJ_{193}	19.805	0.81	2	SWF
109455 2001 QG_{210}	2.69	0.31	2	SWF
109480 2001 QF_{222}	15.6907	0.19	2	DWF
109484 2001 QN_{223}	7.50	0.66	2	SWF
109487 2001 QE_{224}	20.5862	0.18	2	DWF
109510 2001 QM_{235}	5.261	0.64−0.85	2	SWF
109512 2001 QA_{236}	10.728	0.56−0.62	2	SWF
109513 2001 QQ_{236}	>4.23	>0.28		SWF
109528 2001 QW_{247}	16.6457	0.11	2	DWF
109529 2001 QE_{248}	9.674	0.54	2	SWF
109571 2001 QV_{268}	5.39576	0.58	2	DWF
109582 2001 QL_{275}			HN	DWF
109583 2001 QP_{275}	4.335	0.48−0.61	2	SWF
109587 2001 QJ_{277}	208.404	0.54	2	SWF
109596*2001 QK_{281}	4.17	0.44−0.52	2	SWF
109602 2001 QN_{282}	17.6211	0.62	2	DWF
109625 2001 QK_{296}	51.544	0.56	2	SWF
109630 2001 QT_{323}	28.4103	0.21	2	DWF
109631 2001 QT_{326}	117.353	0.21	2	DWF
109653 2001 RS_{7}	6.499	0.67−0.68	2	SWF
109655 2001 RW_{8}	10.086	0.22	2	SWF
109663 2001 RO_{18}	3.84	0.36	2	SWF
109686 2001 RF_{31}	3.70	0.37	2	SWF
109691 2001 RR_{35}	6.10	0.60	2	SWF
109700 2001 RU_{40}	8.27563	0.15	2	DWF
109707 2001 RK_{44}	28.8759	0.14	2	DWF
109708 2001 RL_{44}	10.8237	0.23	2	DWF
109709 2001 RG_{45}	83.3484	0.28	2	DWF
109714 2001 RL_{48}	236.014	0.36	2	DWF
109715 2001 RO_{48}	15.206	0.37	2	SWF
109718 2001 RB_{53}	8.13628	0.12	2	DWF
109745 2001 RJ_{67}	6.168		2−	SWF
109752 2001 RV_{68}	5.63837	0.61	2	DWF
109757 2001 RV_{71}	47.306	0.53	2	DWF
109767 2001 RH_{78}	17.148	0.15	2	DWF
109769 2001 RU_{78}	10.9142	0.89	2	DWF
109777*2001 RY_{81}	7.93	0.47−0.93	2	SWF
109791 2001 RL_{91}			HN	DWF
109792 2001 RN_{91}	>16.		N	
109829 2001 RK_{118}			HN	DWF
109871 2001 RD_{151}	5.659	0.26	2	SWF
109876 2001 RT_{154}	15.3798	0.26	2	DWF
109889 2001 SB_{10}	4.844	0.31	2	SWF
109891 2001 SU_{10}	42.3337	0.31	2	DWF
109900 2001 SS_{20}	7.432	0.55	2	SWF
109909 2001 SR_{24}	S 4.276122		2 p N	LCI-W
109917 2001 SF_{27}	16.5472	0.18	2	DWF
109943 2001 SY_{42}	>5.15	>0.13		SWF
109950 2001 SB_{46}	27.866	0.29−0.33	2	SWF
109954 2001 SC_{47}	6.4944	0.33	2	DWF
109965 2001 SY_{49}	10.6747	0.35	2	DWF
109977 2001 SU_{53}	118.102	0.31	2	DWF
109978 2001 ST_{54}	>144.	>0.3	2 HN	DWF
109998 2001 SN_{62}	8.756	0.08	1	SWF
109999 2001 SZ_{62}	8.371	0.39−0.42	2	SWF
110004 2001 SF_{64}	4.217	0.10	2	SWF
110012 2001 SL_{68}	66.6717	0.26	2	DWF
110015 2001 SV_{68}	26.3746	0.15	2	DWF

Planet	Period	Variation	Note	Survey
110025 2001 SN_{72}	13.0906	0.25	2	DWF
110047 2001 SM_{90}	3.30	0.67	2	SWF
110059 2001 SK_{107}	125.176	0.46	2	SWF
110062 2001 SG_{108}	11.393	0.28	2	SWF
110066 2001 SW_{109}	4.970	0.25	2	SWF
110081 2001 SK_{115}	2.98774	0.28	2	DWF
110091 2001 SW_{120}			HN	DWF
110092 2001 SC_{121}	12.4089	0.34	2	DWF
110096 2001 SW_{122}	2.681	0.29	2	SWF
110097 2001 SD_{123}	52.0534	0.89	2	DWF
110119 2001 SP_{138}	147.406	0.48	2	SWF
110153 2001 SV_{158}	15.179	0.31	2	SWF
110212 2001 SR_{214}	3.403	0.65	2	SWF
110217 2001 ST_{220}	4.829	0.65	2	SWF
110232 2001 SM_{228}	8.12345	0.42	2	DWF
110245 2001 ST_{234}	5.68	1.05	1+	SWF
110268 2001 SZ_{248}	242.841	0.33	2	DWF
110280 2001 SS_{254}	5.55	0.72	2	SWF
110331 2001 SE_{289}	12.0421	0.14	2	DWF
110341 2001 SD_{292}	19.5117	0.32	2	DWF
110381 2001 SJ_{345}	4.11593	0.49	2 1	DWF
110389 2001 TD_{6}	>0.92	>0.23		SWF
110395 2001 TO_{8}	27.634	0.10	1	SWF
110410 2001 TP_{15}	100.779	0.32	2	DWF
110411*2001 TQ_{15}	5.42	0.21−0.26	2	SWF
110413 2001 TA_{16}	34.297	0.16	2	DWF
110416 Cardille	4.15114	0.58	2	DWF
110427 2001 TE_{25}	13.532	0.70	2	SWF
110432 2001 TE_{27}	3.44	0.70	2−	SWF
110448 2001 TP_{38}	4.838	0.66	2	SWF
110454 2001 TL_{42}	5.67659	0.36	2	DWF
110462 2001 TC_{49}	>4.35	>0.12		SWF
110465 2001 TT_{51}	15.00	0.92	1 DA	SWF
110472 2001 TK_{55}	7.692	0.41	2	SWF
110487 2001 TW_{61}	6.62	0.19	2	SWF
110492 2001 TE_{63}	8.653	0.67	2	SWF
110517 2001 TX_{78}	1059.46	0.24	2	DWF
110518 2001 TY_{78}	13.633	0.57−0.58	2	SWF
110519 2001 TJ_{79}	4.263	0.37	2	SWF
110521 2001 TN_{80}	24.534	0.45	2	DWF
110541 2001 TE_{96}	2.777	0.24	2	SWF
110558*2001 TX_{106}	3.720	0.21−0.25	2	SWF
110572 2001 TH_{115}	3.19	0.16	2	
110586 2001 TN_{122}	133.181	0.67	2	SWF
110593 2001 TD_{128}	4.288	0.39	2	SWF
110598 2001 TC_{133}	12.9268	0.21	2	DWF
110621*2001 TE_{151}	12.249	0.23−0.35	2	SWF
110631 2001 TK_{165}	3.0089	0.27	2	DWF
110634 2001 TY_{165}	4.9311	0.26	1 NA	
110643 2001 TN_{168}	41.459	0.59	2	SWF
110644 2001 TS_{168}	28.645	0.49	2	SWF
110649 2001 TK_{169}	2.384	0.08	1	SWF
110652 2001 TO_{171}	93.0002	0.25	2	DWF
110664 2001 TK_{183}	8.277	0.38	2	SWF
110676 2001 TC_{196}	22.3532	0.14	2	DWF
110694 2001 TD_{211}	33.3387	0.23	2	DWF
110704 2001 TM_{218}	23.852		2−	SWF
110708 2001 TG_{225}	6.487	0.74	2	SWF
110709 2001 TK_{226}	47.7555	0.23	2	DWF
110711 2001 TX_{227}	60.5061	0.40	2	DWF
110714 2001 TQ_{229}	7.98746	0.36	2	DWF
110717 2001 TX_{230}	11.9627	0.47	2	DWF
110755 2001 UT_{13}	46.9	0.80	1 NA	
110765 2001 UK_{23}	7.74	0.99	2	SWF
110767 2001 UB_{25}	3.1324	0.32	2+	
110768 2001 UH_{26}	3.5908	0.13	2	DWF
110777 2001 UZ_{29}	9.603	0.75	2	SWF
110784 2001 UL_{33}	59.1523	0.13	2	DWF
110790 2001 UV_{35}	72.6014	0.26	2	DWF
110791 2001 UY_{35}	7.28407	0.71	2	DWF
110796 2001 UW_{37}	9.228	0.38	2	SWF
110826 2001 UN_{54}	5.349	0.61	2	SWF
110835 2001 UA_{65}	90.042	0.32	2	SWF
110839 2001 UR_{68}	10.1898	0.38	2	DWF
110854 2001 UL_{77}	62.9346	0.42	2	DWF
110909 2001 UZ_{123}	37.594	0.46	2	DWF
110910 2001 UC_{125}	265.018	0.52	2	DWF
110912 2001 UB_{126}	230.094	1.16	2	DWF
110974 2001 UP_{179}	6.34179	0.16	2	DWF
110975 2001 UU_{179}	31.6645	0.91	2	DWF

Planet	Period	Variation	Note	Survey
110978 2001 UB_{184}	62.6277	0.50	2	DWF
110983 2001 UF_{189}	14.946	0.25	2	SWF
110993 2001 UO_{205}	7.433	0.35	2	SWF
110998*2001 UF_{219}	14.706	0.19−0.48	2	SWF
111003 2001 VU	2.02814	0.14	2 A3	DWF
111007 2001 VG_{1}	6.783	0.42	2	SWF
111020 2001 VE_{11}	3.202	0.16	2	SWF
111025 2001 VA_{16}	18.0207	0.20	2	DWF
111029 2001 VW_{19}	S 63.104		2 p N	LCI-W
111033 2001 VK_{20}	26.200	0.55	2	SWF
111073 2001 VU_{51}	5.500	0.23	2	SWF
111074 2001 VW_{51}	130.912	0.77	2	SWF
111086 2001 VP_{61}	3.922	0.36	2	SWF
111094 2001 VA_{66}	9.06	0.59	1 DA	SWF
111102 2001 VF_{74}	69.260	0.72	2	SWF
111120 2001 VV_{88}	10.7742	0.24	2	DWF
111122 2001 VX_{89}	5.6099	0.62	2	DWF
111123 2001 VL_{90}	8.51215	0.15	2	DWF
111136 2001 VJ_{94}	7.18587	0.61	2	DWF
111139 2001 VS_{95}	6.74	1.09	3−	SWF
111149 2001 VO_{101}	3.91571	0.43	2	DWF
111152 2001 VZ_{102}	218.761	0.27	2	DWF
111186 2001 WA_{8}	102.696	0.61	2	DWF
111197 2001 WF_{20}	3.52	0.73	1+	SWF
111208 2001 WW_{30}	4.861	0.12	2	SWF
111223 2001 WS_{41}	9.83498	0.44	2	DWF
111246 2001 XD_{4}	5.172	0.44	2	SWF
111259 2001 XY_{22}	3.885	0.17	2	SWF
111297 2001 XH_{55}	8.078	0.49	2	SWF
111300 2001 XZ_{56}	S 4.76168		2 p N	LCI-W
111332 2001 XF_{89}	6.193	0.74	2	SWF
111334 2001 XM_{93}	3.802	0.53	2	SWF
111341 2001 XO_{96}	36.8729	0.12	2	DWF
111346 2001 XS_{103}	747.709	0.07	1	SWF
111401 2001 XT_{175}	5.46606	0.33	2	DWF
111421 2001 XD_{194}	>1.00	>0.20		SWF
111493 2001 YB_{53}	9.521	0.20	2	SWF
111499 2001 YF_{61}	6.69	0.32	2	
111513 2001 YA_{86}	4.97476	0.22	2	DWF
111517 2001 YC_{92}	11.258	0.66	2	SWF
111523 2001 YW_{100}	142.178	0.37	2	DWF
111528 2001 YT_{111}	28.7092	0.27	2	DWF
111533 2001 YD_{116}	3.35285	0.26	2	DWF
111538 2001 YH_{122}	6.143	0.82	2	SWF
111540 2001 YL_{131}	57.288	0.54	2	SWF
111559 2002 AN_{2}	10.98	0.17	2	SWF
111562 2002 AJ_{3}	5.51779	0.44	2	DWF
111580 2002 AY_{32}	5.752		2−	SWF
111602 2002 AP_{81}	3.32327	0.22	2	DWF
111608 2002 AL_{93}	2.66948	0.17	2	DWF
111618 2002 AR_{114}	>1.90	>0.09		SWF
111628 2002 AQ_{131}	31.6058	0.58	2	DWF
111653 2002 AE_{184}	17.9183	0.19	2	DWF
111659 2002 AU_{201}	7.01637	0.18	2	DWF
111697 2002 CD_{15}	S 6.72333		2 p N	LCI-W
111724 2002 CC_{48}	8.11496	0.42	2	DWF
111725 2002 CE_{50}	8.567	0.70	2	SWF
111744 2002 CY_{99}	5.82	0.73	2	SWF
111802 2002 CA_{248}	>1.97	>0.13		SWF
111846 2002 EX_{31}	>16.	>0.5	2−	
111871 2002 EH_{98}	5.78051	0.18	2	DWF
111899 2002 FD_{11}	5.841	0.89	2	SWF
111913 Davidgans	4.65	0.65	2	SWF
111920 2002 GX_{11}	3.63	0.37	2	SWF
111930 2002 GP_{25}	6.698		2−	SWF
111934 2002 GG_{38}	3.47935	0.43	2	DWF
111950 2002 GM_{57}	8.104	0.59	2	SWF
111981 2002 GW_{93}	15.766	0.77	2	SWF
112007 2002 GG_{153}	22.5253	0.29	2	DWF
112011 2002 GW_{158}	7.105	0.79	2	SWF
112016 2002 GC_{164}	6.696	0.79	2	SWF
112018 2002 GM_{165}	36.7696	0.31	2	DWF
112039 2002 HU_{13}	9.41801	0.47	2	DWF
112058 2002 JR_{13}	10.7908	0.16	2	DWF
112061 2002 JT_{14}	3.48	0.24	2	SWF
112080 2002 JA_{25}	5.343		2−	SWF
112083 2002 JC_{26}			HN	DWF
112111 2002 JC_{40}	9.40675	0.28	2	DWF
112191 2002 JU_{105}	2.59	0.26−0.33	2	SWF
112219 2002 KV	>5.08	>0.31		SWF

Planet	Period	Variation	Note	Survey
112221 2002 KH_{4}	12.866	0.13	2+	
112240 2002 LZ_{3}	7.877		2−	SWF
112248 2002 LG_{9}	10.74	0.06	2	
112249*2002 LM_{9}	33.30	0.75	3−	
112273 2002 LL_{23}	3.764	0.51−0.75	2	SWF
112277 2002 LO_{25}	19.015	0.57	2	SWF
112284 2002 LK_{29}	51.0787	0.36	2	DWF
112308 2002 LR_{47}	5.66826	0.54	2	DWF
112324 2002 MA_{3}	110.784	0.59	2	SWF
112327 2002 MR_{4}	83.2775	0.37	2	DWF
112329 2002 NY	3.638	0.08	1	SWF
112356 2002 NY_{14}	S 23.5376		2 p N	LCI-W
112371 2002 NV_{20}	>0.82	>0.16		SWF
112374 2002 NC_{24}	4.40189	0.29	2	DWF
112382 2002 NV_{27}	3.332	0.22	2	SWF
112383 2002 NL_{28}	14.932	0.69	2	SWF
112428 2002 NP_{50}	92.129	0.86	2	SWF
112430 2002 NJ_{51}	10.878	0.69	2	SWF
112435 2002 OO	5.540	0.71	2	SWF
112441 2002 OL_{3}	7.378	0.82−0.83	2 p	SWF
112443 2002 OF_{4}	3.806	0.69	2	SWF
112465 2002 OR_{13}	9.050	0.71	2	SWF
112516 2002 PG_{26}	102.856	0.63	2	SWF
112560*2002 PD_{47}	4.959	0.59−0.60	2	SWF
112568 2002 PR_{50}	43.5572	0.20	2	DWF
112572 2002 PO_{51}	4.182	0.51	2	SWF
112578 2002 PN_{54}	5.46528	0.38	2	DWF
112618 2002 PZ_{69}	109.44	0.40	2	DWF
112686 2002 PD_{99}	61.9147	0.28	2	DWF
112717 2002 PX_{115}	60.296	0.29	2	SWF
112722 2002 PB_{118}	2.93	0.19	2	SWF
112740 2002 PA_{129}	5.56246	0.19	2	DWF
112745 2002 PK_{132}	3.964	0.19	2	SWF
112822 2002 QG_{8}		1.04	I	
112858 2002 QY_{29}	4.07	0.34	2	SWF
112878 2002 QC_{41}	5.37547	0.69	2	DWF
112888 2002 QR_{44}	35.102	0.40−0.52	2	SWF
112915 2002 QC_{60}	S 3.246051		2 p N	LCI-W
112922 2002 QN_{63}			HN	DWF
112953 2002 RF_{11}	S 4.218608		2 p N	LCI-W
112970 2002 RN_{19}	2.281	0.17	2	SWF
112985 2002 RS_{28}	4.787	0.06−0.24	2 A	
113006 2002 RG_{39}	5.484	0.70−0.85	2	SWF
113008 2002 RQ_{39}	5.75	0.71	2	SWF
113018 2002 RQ_{42}			HN	DWF
113021 2002 RO_{43}	10.769	0.52	2	SWF
113049 2002 RM_{52}	6.394	0.51−0.60	2	SWF
113054 2002 RO_{54}	90.6074	0.23	2	DWF
113067 2002 RN_{60}	6.101		2−	SWF
113077*2002 RR_{63}	5.301	0.35−0.61	2	SWF
113100 2002 RC_{76}	22.1466	2.08	2	DWF
113114 2002 RK_{79}	5.168	0.55	2	SWF
113116 2002 RC_{80}	26.626		2−	SWF
113117 2002 RF_{80}	12.344	0.57−0.70	2	SWF
113130 2002 RA_{85}	3.82	0.31	2	SWF
113132 2002 RM_{86}	6.343	0.52−0.68	2	SWF
113166 2002 RV_{100}	5.6467	0.45−0.60	3	SWF
113170 2002 RZ_{101}	45.0075	0.17	2	DWF
113176 2002 RY_{102}	32.482	0.11	2	DWF
113182 2002 RV_{105}	8.591	0.54	2	SWF
113187 2002 RN_{106}	12.077	0.61	2	SWF
113216 2002 RF_{119}	11.64	0.81	1 DA	SWF
113221 2002 RN_{120}	6.42424	0.62	2	DWF
113254 2002 RW_{134}	116.771	0.47	2	DWF
113257 2002 RD_{139}	3.98423	0.33	2	DWF
113268 2002 RE_{151}	2.88	0.35	2	SWF
113295 2002 RA_{176}	469.392	0.25	2	DWF
113306 2002 RQ_{186}	18.3357	0.55	2	DWF
113315 2002 RD_{197}	5.003	0.95	2	SWF
113317 2002 RL_{200}	199.134	0.57	2	DWF
113333 Tyler	14.9679	0.42	2	DWF
113361 2002 SH_{1}	9.778	0.43	2	DWF
113381 2002 SC_{11}	7.019	0.92	2	SWF
113384 2002 SW_{14}	1.48987	0.11	2	DWF
113387 2002 SH_{16}	7.376	0.33	2	SWF
113390 Helvetia			HN	DWF
113417 2002 SE_{30}			HN	DWF
113434 2002 SW_{39}	43.2168	0.14	2	DWF
113438 2002 SD_{41}	106.254	0.21	2	DWF
113478 2002 ST_{63}	5.45	0.72	2−	SWF

Planet	Period	Variation	Note	Survey
113489 2002 TW_{2}	5.305	0.75	2	SWF
113507 2002 TS_{7}	106.591	0.62	2	SWF
113515 2002 TT_{13}	4.583	0.58−0.69	2	SWF
113526 2002 TK_{19}	>0.88	>0.12		SWF
113546 2002 TR_{27}	7.01	1.20	1	SWF
113567 2002 TV_{36}	5.5	1.46	2	
113573 2002 TR_{39}	8.90564	0.17	2	DWF
113577 2002 TM_{41}	5.36467	0.45	2	DWF
113584 2002 TT_{45}			HN	DWF
113594 2002 TA_{50}	563.571	0.30	2	DWF
113595 2002 TH_{50}	3.461	0.29	2	SWF
113601 2002 TY_{51}	3.318	0.08	1	SWF
113605 2002 TD_{53}	24.74	0.28	2	SWF
113606 2002 TO_{53}	5.422	0.49−0.51	2	SWF
113607 2002 TQ_{53}	9.193	0.32	2	SWF
113637 2002 TK_{75}	90.270	0.42	2	SWF
113649 2002 TX_{79}	164.662	0.27	2	DWF
113651 2002 TW_{80}	5.38001	0.32	2	DWF
113692 2002 TH_{120}	7.9852	0.29	2	DWF
113698 2002 TS_{124}	4.310	0.56	2	SWF
113708 2002 TW_{130}	31.420	0.93	2	SWF
113710 2002 TH_{132}	5.45349	0.60	2	DWF
113724 2002 TL_{138}	12.15	0.26	2	SWF
113739 2002 TX_{157}	33.8367	0.11	2	DWF
113747 2002 TH_{164}	2.01667	0.15	2 1	DWF
113757 2002 TM_{170}	39.9461	0.22	2	DWF
113759 2002 TT_{171}	7.492	0.61	2	SWF
113765*2002 TX_{172}	10.006	0.19−0.39	2	SWF
113779 2002 TT_{187}	8.12128	0.28	2	DWF
113781 2002 TF_{188}	3.956	0.75	2 D	
113789 2002 TZ_{194}	4.87	0.93	2	SWF
113792 2002 TX_{195}	4.710	0.27	2	SWF
113800 2002 TG_{204}	490.974	0.73	2	DWF
113808*2002 TC_{209}	41.242	0.52−0.56	2	SWF
113816*2002 TM_{216}	5.003	0.41−0.57	2	SWF
113828 2002 TC_{226}	>1.35	>0.17		SWF
113829 2002 TN_{226}	36.3177	0.72	2	DWF
113831 2002 TC_{227}	14.1494	0.45	2	DWF
113846 2002 TV_{239}	2.13	0.20	1 N	
113867 2002 TA_{258}	6.3278	0.28	2	DWF
113886 2002 TG_{266}	2.144	0.07	1	SWF
113887 2002 TC_{267}	11.475	0.10	1	SWF
113916 2002 TJ_{284}	10.674	0.10	1	SWF
113920 2002 TK_{286}	46.237	0.43	2	DWF
113923 2002 TS_{287}	37.6598	0.31	2	DWF
113931 2002 TP_{289}	120.714	0.58	2	DWF
113946 2002 TE_{298}	9.192	0.55−0.63	2	SWF
113961 2002 UB_{8}	37.6099	0.22	2	DWF
113963 2002 US_{9}	42.260	0.71	2	SWF
113968 2002 UO_{13}	3.799	0.34	2	SWF
113972 2002 UM_{15}	67.8852	0.38	2	DWF
113983 2002 UZ_{22}	9.755		2−	SWF
113986 2002 UF_{26}	9.996	0.47	2	SWF
114005 2002 UQ_{36}	3.475	0.59	2	SWF
114028 2002 VK_{3}	54.342	0.21	2	SWF
114034 2002 VO_{8}	3.163	0.47−0.53	2	SWF
114041 2002 VM_{11}	>0.78	>0.25		SWF
114058 2002 VX_{22}	>3.37	>0.10		SWF
114068 2002 VT_{29}	4.555	0.51	2	SWF
114074 2002 VF_{33}	3.93	0.23	2	SWF
114077 2002 VM_{33}	4.480	0.10	1	SWF
114083 2002 VS_{35}	11.333	0.48	2	SWF
114085 2002 VW_{35}			HN	DWF
114086 2002 VG_{36}	22.	0.75	2−	
114095 2002 VY_{39}	6.88	0.21	2+	
114114*2002 VD_{48}	3.766	0.29−0.48	2	SWF
114122 2002 VW_{49}	5.75	0.87	2	SWF
114127 2002 VL_{50}	6.4	0.45	3−	
114132 2002 VH_{54}	2.70	0.33	2	SWF
114134 2002 VX_{55}	2.90	0.33	2	SWF
114141 2002 VX_{60}	8.669	0.84	2	SWF
114146 2002 VT_{62}	7.626	1.11	2	SWF
114151 2002 VD_{65}	7.796	0.57	2	SWF
114155 2002 VH_{67}	>0.75	>0.22		SWF
114174 2002 VN_{75}	S 3.86711		2 p N	
114193 2002 VL_{89}	4.87626	0.33	2	DWF
114205 2002 VF_{105}	33.187	0.52	2	SWF
114215 2002 VM_{110}	3.37	0.15	2	SWF
114232 2002 VV_{123}	8.18	0.92	1 DA	SWF
114235 2002 VZ_{133}	>2.02	>0.15		SWF

Planet	Period	Variation	Note	Survey
114249 2002 WO_{11}	3.339	0.18	2	SWF
114251 2002 WP_{14}	5.30212	0.50	2	DWF
114276 2002 XP_{17}	5.407	0.24	2	SWF
114277 2002 XS_{18}	68.7386	0.46	2 1	DWF
114278 2002 XV_{18}	59.2658	0.32	2	DWF
114291 2002 XG_{29}	6.55	0.65	2	
114293 2002 XW_{29}	22.2891	0.27	2	DWF
114297 2002 XC_{32}			HN	DWF
114302 2002 XO_{46}	6.12	0.37	1 DA	SWF
114319 2002 XD_{58}	2.9649	0.14	2 B?N	
114332 2002 XX_{64}			HN	DWF
114334*2002 XW_{65}	134.374	0.30−0.54	2	SWF
114348 2002 XY_{74}	28.754	0.56−0.90	2	SWF
114356 2002 XZ_{80}	>1.00	>0.08		SWF
114359 2002 XD_{85}	2.51984	0.08	2	DWF
114367 2002 XA_{89}	4.8	0.14	2−	
114388 2002 YL_{1}	5.61201	0.57	2	DWF
114398 2002 YT_{13}	6.118	0.65−0.69	2	SWF
114419 2002 YQ_{31}	4.954	0.59−0.62	2	SWF
114429 2003 AX_{4}	18.7663	0.13	2	DWF
114430 2003 AT_{5}	30.4528	0.19	2	DWF
114439 2003 AL_{13}	227.048	0.85	2	SWF
114460 2003 AM_{31}	25.958	0.32	2	SWF
114466 2003 AA_{37}	19.1894	0.45	2	DWF
114473 2003 AT_{40}	6.90542	0.33	2 A	DWF
114508 2003 AS_{82}	14.33	0.25	2	SWF
114541 2003 BP_{25}	362.325	0.77	2	SWF
114542 2003 BL_{26}	3.90647	0.28	2	DWF
114544 2003 BN_{28}	65.1597	0.19	2	DWF
114546 2003 BY_{29}	8.700	0.73−0.80	2	SWF
114556 2003 BR_{50}	213.938	0.60	2	SWF
114561 2003 BP_{52}	22.33	0.58	2	SWF
114567 2003 BB_{63}	>0.35	>0.03		SWF
114574 2003 BL_{68}	5.339	0.40	2	SWF
114592 2003 CU_{2}	11.058	0.61	2	SWF
114597 2003 CF_{7}	5.51946	0.19	2	DWF
114606 2003 CV_{18}	41.7446	0.37	2	DWF
114612 2003 DV_{12}	2.85	0.25	2	SWF
114645 2003 EZ_{40}	35.219	0.22	2	DWF
114651 2003 EZ_{52}	16.2464	0.28	2	DWF
114656*2003 FE_{3}	11.318	0.39−0.48	2	SWF
114682 2003 FH_{72}	16.4153	0.25	2	DWF
114716 2003 GH_{17}	25.2995	0.30	2	DWF
114724*2003 GK_{36}	12.822	0.63−0.72	2	SWF
114728 2003 HP_{3}	3.33	0.20	2	
114752 2003 HW_{41}	3.864	0.42−0.51	2	SWF
114756 2003 HC_{45}	3.18	0.20−0.48	2	SWF
114761 2003 HN_{47}	5.13	0.58	2	SWF
114793 2003 NK_{1}	9.11179	0.09	2	DWF
114802 2003 NN_{8}	14.743	0.42	2	SWF
114813 2003 OB_{7}	3.75	0.20	1	SWF
114819*2003 OU_{11}	15.9074		1+	DWF
114822 2003 ON_{15}	4.561	0.84	2	SWF
114830 2003 OX_{21}	13.282	0.24	2	SWF
114831 2003 OG_{22}	5.686	0.42	2	SWF
114853 2003 PM_{6}	2.52794	0.25	2	DWF
114860 2003 QB	31.4419	0.27	2	DWF
114877 2003 QN_{12}	25.6657	0.18	2	DWF
114885 2003 QG_{16}	S 3.951822		2 p N	LCI-W
114901 2003 QK_{25}			HN	DWF
114902 2003 QN_{25}	334.959	0.80	2	DWF
114915 2003 QU_{34}	16.752	0.70−0.74	2	SWF
114923 2003 QL_{40}			HN	DWF
114935 2003 QF_{50}	8.085	0.54	2	SWF
114956 2003 QG_{59}	62.2536	0.14	2	DWF
114982 2003 QP_{65}	3.82385	0.34	2	DWF
114999 2003 QR_{74}	5.397	0.65−0.80	2	SWF
115052 2003 RD_{6}	12.08	0.11	2 A	
115053 2003 RP_{6}	24.2	0.11	2 A	
115054 2003 RR_{6}	4.972	0.21	2	SWF
115056 2003 RZ_{6}	>5.33	>0.36		SWF
115081 2003 SQ_{3}	2.85	0.26	3−	SWF
115082 2003 SP_{6}	>4.37	>0.36		SWF
115094 2003 SZ_{16}	21.9054	0.52	2	DWF
115111 2003 ST_{35}	4.562	0.83	2	SWF
115130 2003 SV_{52}	3.497	0.45	2	SWF
115152 2003 SA_{68}	5.65	0.32	2	SWF
115153 2003 SB_{69}	290.988	0.23	2 1	DWF
115161 2003 SH_{76}	12.856	0.70	2	SWF
115170 2003 SF_{81}	36.6387	0.49	2	DWF

Planet	Period	Variation	Note	Survey
115202 2003 ST_{111}	15.989		2−	SWF
115220 2003 ST_{140}	5.391	0.39	2	SWF
115222 2003 SK_{142}	41.934	0.53	2	SWF
115233 2003 SH_{145}	15.3	1.0	2	SWF
115275 2003 SY_{182}	5.08754	0.39	2	DWF
115322 2003 SM_{219}	22.056		2−	SWF
115358 2003 SY_{249}	4.85	0.43	2−	SWF
115359 2003 SA_{250}	5.33	0.67−1.2	3−	SWF
115394 2003 SA_{286}	156.665	0.27	2	DWF
115400 2003 SJ_{291}	5.30	0.73	3−	SWF
115406 2003 SK_{294}	5.926	0.86	2	SWF
115407 2003 ST_{294}	7.01	0.44	2+	
115409 2003 SW_{294}	7.473	0.71	2	SWF
115421 2003 SN_{306}	7.400	0.71	2	SWF
115435 2003 TM_{4}	3.78	0.43	2	SWF
115439 2003 TN_{6}	14.3132	0.15	2	DWF
115443 2003 TK_{8}	51.9543	0.35	2	DWF
115453 2003 TL_{11}	234.580	0.63	2	SWF
115464 2003 TO_{16}	7.047	0.72	2	SWF
115501 2003 UV_{27}	6.688	0.68	2	SWF
115504 2003 UH_{29}	10.11	0.59	2	SWF
115527 2003 UF_{48}	4.16678	0.17	2	DWF
115529 2003 UG_{49}	4.03	0.49	2	SWF
115554 2003 UL_{74}	8.11	0.40	1+ H	DWF
115555 2003 UQ_{75}	7.243	0.54	2	SWF
115564 2003 UC_{81}	24.8635	0.38	2	DWF
115568 2003 UZ_{82}	>1.03	>0.22		SWF
115570 2003 UT_{84}	>5.35	>0.40		SWF
115577 2003 UO_{88}	S 4.86444		2 p N	LCI-W
115591 2003 UG_{98}	827.875	0.46	2	DWF
115596 2003 UC_{99}	51.4193	0.35	2	DWF
115618 2003 UH_{114}	86.336	0.72	2	SWF
115637 2003 UH_{126}	>1.45	>0.11		SWF
115643 2003 UJ_{131}	20.0199	0.34	2	DWF
115648 2003 UY_{133}	172.401	0.50	2	DWF
115694 2003 UT_{157}	2.79	0.21	2−	SWF
115711 2003 UR_{170}	7.77376	0.13	2	DWF
115755 2003 UQ_{204}	S 7.59222		2 p N	LCI-W
115758*2003 UH_{206}	42.577	0.44−0.58	2	SWF
115761 2003 UN_{206}	3.567	0.63	2	SWF
115771 2003 UW_{208}	9.733	0.24	2	SWF
115807 2003 UJ_{238}	5.20	0.46	2−	SWF
115812 2003 UD_{243}		0.63		SWF
115820 2003 UK_{250}	61.8743	0.20	2	DWF
115835 2003 UD_{260}	>0.90	>0.41		SWF
115837 2003 US_{260}	5.560	0.55	2	SWF
115887 2003 VT_{1}	12.31	1.07	2	SWF
115953 2003 WJ_{35}	52.668	0.40	2	SWF
115978*2003 WQ_{56}	9.4380	0.10−0.18	3−	
116044 2003 WE_{102}	3.43	0.22	2	SWF
116057 2003 WW_{107}	7.17611	0.38	2	DWF
116133 2003 WO_{142}	5.373	0.67	2	SWF
116142 2003 WA_{150}	6.122		2−	SWF
116152 2003 WX_{165}	7.11	0.54	2	SWF
116183 2003 XD_{6}	2.873	0.50	2	SWF
116192 2003 XS_{10}	27.8459	0.26	2	DWF
116193 2003 XK_{11}	87.6789	0.36	2	DWF
116197 2003 XC_{14}	1.57301	0.13	2 A3	DWF
116231 2003 YO_{5}	9.59325	0.34	2	DWF
116232 2003 YW_{5}	2.88	0.29	2	SWF
116254 2003 YR_{26}			HN	DWF
116271 2003 YQ_{35}			HN	DWF
116294 2003 YE_{58}	5.60249	0.24	2	DWF
116301 2003 YZ_{60}	113.974	0.80	2	SWF
116303 2003 YK_{61}	>0.92	>0.21		SWF
116313 2003 YT_{65}			HN	DWF
116319 2003 YF_{69}	120.266	0.33	2	DWF
116323 2003 YP_{72}	17.9244	0.20	2	DWF
116343 2003 YY_{83}	>1.90	>0.24		SWF
116361 2003 YZ_{95}	41.1135	0.21	2	DWF
116376 2003 YF_{113}	S 21.1813		2 p N	LCI-W
116380 2003 YU_{116}	S 14.64507		2 p N	LCI-W
116401 2003 YA_{135}	31.903	0.68	2	SWF
116414 2003 YF_{141}	9.088	0.52	2	SWF
116448 2004 AT	76.536	0.54	2	DWF
116449 2004 AU	15.320	0.20−0.27	2	SWF
116452 2004 AN_{1}	51.9982	0.26	2	DWF
116457 2004 AL_{5}	3.10	0.40	3−	SWF
116496 2004 BH_{16}	7.662	0.71	2	SWF
116500 2004 BG_{22}	>5.05	>0.12		SWF
116503 2004 BN_{23}	11.818	0.67−0.68	2	SWF
116524 2004 BP_{46}	20.965	0.66	2	SWF
116563*2004 BO_{83}	7.83382	0.67	2 p	DWF
116569 2004 BD_{87}	16.1314	0.25	2	DWF
116573 2004 BZ_{88}	9.55	0.20	2−	SWF
116576 2004 BA_{91}	4.796	0.75	2	SWF
116588 2004 BJ_{98}	5.61	0.70	2	SWF
116591 2004 BT_{102}	2.82	0.21	1	SWF
116613 2004 BR_{114}	5.4528	0.45	2	DWF
116617 2004 BJ_{115}	5.32581	0.70	2	DWF
116618 2004 BU_{116}	84.9038	0.46	2	DWF
116619 2004 BY_{117}	>2.02	>0.52		SWF
116641 2004 CL_{3}	27.2536	0.18	2	DWF
116652 2004 CX_{24}	3.66	0.75	2	SWF
116653 2004 CJ_{29}	8.81	0.48−0.55	2	SWF
116667 2004 CN_{41}	3.39785	0.18	2	DWF
116689 2004 CB_{83}	6.54325	0.17	2	DWF
116729 2004 DR_{22}	7.039	0.57	2	SWF
116770 2004 ED_{15}	3.229	0.42	2	SWF
116789 2004 EU_{38}	3.20	0.25	2	SWF
116796 2004 EZ_{48}	4.460	0.61	2	SWF
116833 2004 FB_{35}	124.468	0.38	2	DWF
116843 2004 FH_{45}	124.926	0.49	2	DWF
116844 2004 FR_{48}	27.434	0.09	1	SWF
116858 2004 FZ_{84}	9.134	0.79	2	SWF
116869 2004 FJ_{105}	11.7898	0.19	2	DWF
116892 2004 FF_{132}	62.2638	0.22	2	DWF
116899 2004 FB_{142}	4.13	0.78	2	SWF
116944 2004 GK_{44}	2.75	0.32	2	SWF
116951 2004 GN_{76}	2.82416	0.16	2 1	DWF
116956 2004 HG_{3}	S 6.64289		2 p N	LCI-W
116964 2004 HD_{8}	3.868	0.27	2	SWF
116970 2004 HJ_{15}	11.6	0.72	2	
116982 2004 HU_{30}	6.184	0.99	2	SWF
116989 2004 HW_{42}	56.595	0.70	2 p	SWF
116990 2004 HT_{44}	2.22027	0.38	2	DWF
117020 Janeconlin	27.1315	0.25	2	DWF
117080 2004 LE_{9}	62.4463	0.11	2	DWF
117084 2004 LD_{17}	37.51	0.30	2	DWF
117086 Lóczy	65.3532	0.31	2	DWF
117108 2004 PU_{1}	S 7.56003		2 p N	LCI-W
117141 2004 PA_{89}	435.358	0.55	2	DWF
117149 2004 PW_{103}	S 20.5764		2 p N	LCI-W
117213 2004 RK_{214}	21.324	0.56	2	SWF
117233 2004 SG_{9}	62.909	0.89	2	SWF
117247 2004 SO_{33}	50.985	0.86	2	SWF
117263 2004 SB_{58}	144.963	0.63	2	DWF
117276 2004 TQ_{118}	3.613		2−	SWF
117306*2004 VF_{21}	14.462	1.02	3−	
117324 2004 WW_{4}	30.256	0.71	2 p	SWF
117335 2004 XT_{11}	11.102	0.20	2	SWF
117352 2004 XQ_{69}	6.53	0.72−0.86	2	SWF
117401 2005 AL_{8}	8.21	0.34	2	SWF
117482 2005 CD_{2}			HN	DWF
117526 2005 CS_{57}	6.62	0.90	2	SWF
117539 Celletti	S 8.96342		2 p N	LCI-W
117545 2005 EN_{5}	5.065	0.56−0.60	2	SWF
117568 Yadame	21.3259	0.24	2	DWF
117599 2005 EL_{69}	7.11	0.87	2−	SWF
117605 2005 EF_{86}	6.540	0.27−0.95	2	SWF
117607 2005 EZ_{89}	3.435	0.11	2	SWF
117634 2005 EJ_{128}	9.350	0.34	2	SWF
117643 2005 ED_{138}	126.597	0.33	2	DWF
117685 2005 ED_{247}	70.	0.9	1+	SWF
117687 2005 EX_{259}	15.47	0.18	2	
117692 2005 ED_{277}	7.6174	0.34	2	DWF
117710 2005 FC_{7}	11.5893	0.28	2	DWF
117803 2005 GH_{168}	5.94	0.62	2	SWF
117813 2005 HO_{3}	8.434	0.61	2	SWF
117835 2005 JR_{60}	66.8125	0.20	2	DWF
117836 2005 JR_{61}	79.9877	0.27	2	DWF
117849 2005 JV_{146}	11.0627	0.86	2	DWF
117859 2005 KV_{9}	82.9291	0.18	2	DWF
117873*2212 P–L	5.718	0.64−0.70	2	SWF
117902 3058 P–L	7.59203	0.44	2	DWF
117919 4537 P–L	9.594	0.10	1	SWF
117922 4622 P–L	7.678	0.49	2	SWF
117944 6257 P–L	10.67	0.34	2−	SWF
117969 9583 P–L	23.9275	0.18	2	DWF
117970 9590 P–L	51.781	0.57	2	SWF

Planet	Period	Variation	Note			Survey
117982 2134 *T–1*	6.86	0.60	1		DA	SWF
118060 4213 *T–2*	12.00	1.13	1		DA	SWF
118066 4317 *T–2*	8.660	0.34	2			SWF
118089 1093 *T–3*	77.984	0.90	2			SWF
118092 1150 *T–3*	4.909	0.75	2			SWF
118111 2633 *T–3*	34.086	0.25	2			SWF
118146 4161 *T–3*	41.1699	0.18	2			DWF
118158 5161 *T–3*	23.6051	0.34	2			DWF
118195 1994 SP_7	>1.00	>0.13				SWF
118212 1995 XM_4	12.00	0.37	1			SWF
118217 1996 EO_7	5.571	0.85−0.87	2			SWF
118219 1996 HT_{20}	4.82	0.16	2			SWF
118223 1996 SO_4	10.121	0.41	2			SWF
118226 1996 TA_{30}	5.39	0.23	1+			SWF
118230 Sado	13.0889	0.18	2			DWF
118239 1997 *KX*	4.642	0.53	2			SWF
118264*1998 FB_{105}	3.09725	0.20−0.27	1+			DWF
118267 1998 HR_{56}	8.197	0.59−0.62	2			SWF
118277 1998 QE_{105}	40.2431	0.14	2			DWF
118293 1998 SV_{62}	16.235	0.29	2			SWF
118299 1998 SD_{148}	6.625	0.45	2			SWF
118308 1998 VT_7	>1.15	>0.35				SWF
118337 1999 BQ_9	2.858	0.36	3			
118362 1999 FS_{17}	6.188	0.12	2			SWF
118366 1999 *GK*	2.78	0.21	2			SWF
118400 1999 RB_{63}	10.149	0.36	2			SWF
118404 1999 RC_{93}	>0.98	>0.31				SWF
118405 1999 RM_{104}	7.042	0.36	2			SWF
118417 1999 TW_{12}	3.355	0.46	2			SWF
118418 Yangmei	16.44	0.26	2			SWF
118423 1999 TJ_{84}	24.859	0.66−0.77	2			SWF
118446 1999 VK_{69}	3.64	0.23	2			SWF
118534 2000 ES_{69}	12.77	0.28	2			SWF
118555 2000 FH_4	6.96	0.76	2			SWF
118567 2000 FQ_{59}	6.741	0.85	2			SWF
118594 2000 GZ_{89}	5.325	0.73−0.87	2			SWF
118599 2000 GZ_{103}	>1.33	>0.17				SWF
118612 2000 GU_{143}	8.909	0.57−0.72	2			SWF
118618 2000 HB_8	>1.17	>0.20				SWF
118625*2000 HF_{28}	4.733	0.21−0.75	2	p		SWF
118633 2000 HM_{57}	4.26	0.17	2			
118644 2000 JR_5	S 10.97807		2	p	N	LCI-W
118655 2000 JB_{40}	12.6058	0.89	2			DWF
118668 2000 KS_{43}	2.544	0.07	1			SWF
118684 2000 NX_{14}	56.1891	0.41	2			DWF
118685 2000 NV_{15}	113.813	0.18	2			DWF
118692 2000 OS_{28}	158.41	0.27	2			DWF
118693 2000 OL_{31}	20.3908	0.26	2			DWF
118703 2000 PJ_8	26.1099	0.24	2			DWF
118733 2000 QN_{125}	15.502	0.28	2			SWF
118740 2000 QN_{137}	31.833	0.59	2			DWF
118756 2000 QK_{200}	11.16	0.38	2			SWF
118787 2000 RA_{99}	9.019	0.55	2			SWF
118789 2000 RM_{101}	7.31864	0.43	2			DWF
118795 2000 SO_{29}					HN	DWF
118805 2000 SB_{56}	7.854	0.75	2			SWF
118820 2000 SO_{131}	7.66533	0.24	2			DWF
118826 2000 SV_{154}	17.6	0.36	2−			SWF
118834 2000 SY_{186}	14.5059	0.20	2			DWF
118850 2000 SL_{257}	5.979	0.59	2			SWF
118852 2000 SV_{276}	37.7465	0.22	2			DWF
118857 2000 SZ_{309}	26.6505	0.66	2			DWF
118861 2000 SM_{319}	5.64385	0.58	2			DWF
118873 2000 TY_{14}	3.126	0.39−0.40	2			SWF
118877 2000 TM_{44}	6.46263	0.22	2			DWF
118890 2000 UM_{41}	S 10.90763		2	p	N	LCI-W
118903 2000 US_{72}	3.846	0.09	1			SWF
118915 2000 VM_{25}	8.85	0.47	2			SWF
118918 2000 VY_{26}	5.907	0.47	2			SWF
118919 2000 VR_{27}	31.3239	0.18	2			DWF
118920 2000 VH_{31}	60.279	0.44	2			SWF
118923 2000 VM_{51}	18.8291	0.50	2			DWF
118938 2000 WM_{47}	7.575	0.38	2			SWF
118943 2000 WF_{67}	6.	0.29	1			
118956 2000 WA_{103}	4.045	0.47	2			SWF
118965 2000 WA_{138}	3.655	0.30	2			SWF
118980 2000 XC_{11}	180.796	0.31	2			DWF
118995 2000 YH_{34}	7.413	0.78	2			SWF
118997 2000 YU_{39}	24.24	0.35	2			SWF
119025 2001 BG_{30}	>2.02	>0.29				SWF

Planet	Period	Variation	Note			Survey
119054 2001 KY_{11}	206.345	0.91	2			DWF
119067 2001 KP_{76}					BH	
119104 2001 ON_{53}	>0.92	>0.18				SWF
119109 2001 OZ_{64}	24.7018	0.66	2		A	DWF
119110 2001 OT_{70}	8.252	0.88	2			SWF
119112 2001 OV_{75}	92.3624	0.52	2			DWF
119128 2001 OY_{101}					HN	DWF
119160 2001 QT_{23}					HN	DWF
119173 2001 QL_{49}	11.29	0.29	2			SWF
119175 2001 QU_{53}	108.479	0.71	2			SWF
119183 2001 QV_{82}	4.53	0.10	2			SWF
119184 2001 QK_{87}	3.412	0.20−0.21	2			SWF
119187 2001 QA_{94}	4.420	0.63	2			SWF
119194 2001 QH_{109}	34.4785	0.19	2			DWF
119200 2001 QV_{124}					HN	DWF
119202 2001 QN_{128}	>1.90	>0.23				SWF
119219 2001 QJ_{211}					HN	DWF
119223 2001 QB_{220}	5.838	0.54	2			SWF
119234 2001 QL_{255}	7.511		2−			SWF
119241 2001 QQ_{282}	15.107	0.06	2			DWF
119243 2001 QZ_{288}	>0.92	>0.18				SWF
119245 2001 QD_{293}	4.8249	0.25	3			
119254 2001 RL_{28}	2.03	0.07	2			SWF
119257 2001 RN_{34}	6.45791	0.55	2			DWF
119292 2001 SR_1	10.81	0.57	2			SWF
119296 2001 SD_{10}	27.9482	0.14	2			DWF
119320 2001 SH_{109}	12.770	0.08	1			SWF
119329 2001 SV_{135}	6.19	0.75	2			SWF
119341 2001 SL_{168}	3.106	0.29	2			SWF
119395 2001 TC_{40}	10.1455	0.27	2			DWF
119401 2001 TY_{50}	>4.35	>0.34				SWF
119403 2001 TU_{62}	8.672	0.25−0.30	2			SWF
119408 2001 TS_{70}					HN	DWF
119409 2001 TH_{72}	8.74	1.28	1+			
119436 2001 TL_{135}	2.871	0.09	1			SWF
119437 2001 TZ_{136}					HN	DWF
119449 2001 TX_{170}	46.9075	0.24	2			DWF
119461 2001 TA_{202}	5.61652	0.61	2			DWF
119463 2001 TL_{208}	4.65	0.56	2			SWF
119502 2001 UH_{120}	6.650	0.84	2			SWF
119511 2001 UX_{134}	4.90	0.67−0.86	3			SWF
119512 2001 UC_{136}	240.432	0.45	2		A	DWF
119513 2001 UU_{138}	>1.90	>0.59				SWF
119551 2001 VX_{34}	8.25083	0.23	2			DWF
119553 2001 VH_{36}	124.104	0.90	2			SWF
119554 2001 VQ_{36}	4.89154	0.66	2			DWF
119560 2001 VM_{46}	8.312	0.49	2			SWF
119574 2001 VT_{90}	2.9245	0.24	1		NA	
119627 2001 WJ_{99}	82.6865	0.18	2			DWF
119637 2001 XC_{19}	110.205	0.30	2			DWF
119651 2001 XE_{49}	2.8458	0.39	1		N	
119655 2001 XV_{55}					HN	DWF
119673 2001 XN_{87}	3.25879	0.25	2			DWF
119682 2001 XE_{108}	14.1687	0.31	2			DWF
119686 2001 XY_{116}	21.7626	0.15	2			DWF
119689 2001 XJ_{129}	6.64592	0.26	2			DWF
119707 2001 XA_{185}	>1.10	>0.15				SWF
119738 2001 YV_{23}	8.34768	0.36	2			DWF
119744 2001 YN_{42}	625.	0.52	2+		B?	
119745 2001 YU_{44}	251.309	0.30	2			SWF
119760 2001 YN_{113}	4.52852	0.18	2			DWF
119761 2001 YK_{116}	6.235	0.81	2			SWF
119764 2001 YO_{121}	4.600	0.59	2			SWF
119769 2001 YD_{136}	51.565	0.48	2			SWF
119820 2002 AG_{175}	>1.97	>0.23				SWF
119836 2002 CS_{12}	589.644	0.66	2			DWF
119838 2002 CA_{16}	19.43	0.75	2			SWF
119840 2002 CE_{23}	220.335	0.36	2			DWF
119844 2002 CC_{40}	5.89733	0.37	2			DWF
119853 2002 CR_{75}	>1.33	>0.14				SWF
119857 2002 CX_{83}	3.56	0.25	2			SWF
119866 2002 CL_{142}	39.9937	0.21	2			DWF
119887 2002 CH_{252}	17.8229	0.27	2			DWF
119936 2002 GC_{27}	>16.	>0.9	2			SWF
119942 2002 GJ_{129}	5.119	0.51	2			SWF
119951 2002 KX_{14}		0.05			N	
119954 2002 NR_{24}	42.4741	0.42	2			DWF
119975 2002 VB_{128}	33.867	0.68	2			SWF
119979 2002 WC_{19}		<0.05			BHN	
120010 2003 AV_5	3.831		2			SWF

Planet	Period	Variation	Note	Survey
120019 2003 AF_{39}	6.266	0.45−0.55	2	SWF
120029 2003 AD_{60}	7.64304	0.39	2	DWF
120042 2003 BQ_{9}	2.10	0.31	2	SWF
120055 2003 BD_{76}	3.31247	0.31	2	DWF
120061 2003 CO_{1}	10.0	0.07−0.10	2 DA	
120071 2003 DM_{16}	9.70	0.45	2	SWF
120088 2003 EW_{32}	4.837	0.50	2	SWF
120100*2003 EY_{57}	11.638	0.40−0.68	2	SWF
120101 2003 FP_{5}	5.400	0.52	2	SWF
120103 Dolero	173.991	0.26	2 A	DWF
120111 2003 FN_{38}	7.742	0.80	2	SWF
120124 2003 FO_{98}	3.614	0.35	2	SWF
120132 2003 FY_{128}	8.54	0.15	2− 1	
120148 2003 GO_{51}	>5.42	>0.37		SWF
120178 2003 OP_{32}	9.71	0.13−0.20	2	
120207 2004 EG_{31}	5.707	0.48	2	SWF
120211 2004 ES_{39}	18.11	1.12	2	SWF
120218 Richardberry	7.014	1.08	2	SWF
120223 2004 FZ_{28}	59.1789	0.26	2	DWF
120279 2004 HG_{18}	3.9	1.1	2−	
120309 2004 KX_{15}	23.814	0.55	2	DWF
120320 2004 LL_{17}	10.042	0.85	2	SWF
120334 2004 OS_{12}	S 4.883120		2 p N	LCI-W
120347 Salacia	6.09	0.03−0.06	2 1AB	
120348 2004 TY_{364}	11.70	0.22	2+	
120358 2005 MN_{36}			HN	DWF
120369 2005 NW_{94}	>1.0	>0.16		SWF
120375 Kugel	6.923	0.09	1	SWF
120389 2005 QK_{79}	>1.87	>0.28		SWF
120407 2005 SV_{20}	212.055	0.59	2	DWF
120446 1981 EF_{21}	>2.17	>0.44		SWF
120480 1992 RS_{7}	10.245	0.37	2	SWF
120506 1993 TO_{1}	7.446	0.40	2	SWF
120528 1994 PD_{12}	94.322	0.86	2	SWF
120540 1994 SK_{13}	78.268	0.81	2	SWF
120544 1994 WK	10.8861	0.14	2	DWF
120550 1995 BS_{10}	6.17	0.26	2	SWF
120556 1995 CG_{10}	5.85	1.03	2	SWF
120559 1995 EB_{2}	2.77	0.25	2	SWF
120563 1995 FY_{4}	2.48026	0.09	2	DWF
120578 1995 QV_{12}	72.4	0.51	2 T?	
120586 1995 SE_{25}	3.69	0.49	2	SWF
120587 1995 SM_{31}	7.71188	0.21	2	DWF
120593 1995 SR_{62}	3.95	0.52	2	SWF
120601 1995 UN_{73}	20.6843	0.28	2	DWF
120623 1996 BM_{6}	3.08	0.29	2	SWF
120635 1996 HE_{16}	5.03	0.61	2−	SWF
120639 1996 KJ_{3}	85.9257	0.39	2	DWF
120647 1996 SZ_{3}	16.875	0.07	1	SWF
120649 1996 TZ_{3}	3.42126	0.50	2	DWF
120671 1996 XT_{25}	11.6823	0.17	2	DWF
120672 1997 AK			HN	DWF
120678 1997 BB_{4}			HN	DWF
120679 1997 BW_{4}	20.9023	0.33	2 1	DWF
120681 1997 BB_{6}	2.87	0.36	2	SWF
120724 1997 SV_{16}	17.91	0.36	2	SWF
120728 1997 SG_{32}	4.48	0.62	2	SWF
120766 1998 BA_{16}	169.535	0.36	2	DWF
120768 1998 BM_{29}	17.222	0.65	2	SWF
120783 1998 EN_{19}	6.616	0.97	2	SWF
120785 1998 FT_{3}	4.590	0.41−0.50	2	SWF
120796 1998 FF_{58}	S 15.9701		2 p N	LCI-W
120815 1998 HB_{42}	2.25	0.35	2	SWF
120865 1998 QN_{106}	8.212		2	SWF
120915 1998 SX_{81}	7.32	0.66	1 DA	SWF
120928 1998 SP_{109}	10.7	0.5	1+ A	
120933 1998 SL_{147}	>5.05	>0.12		SWF
120960 1998 VC_{3}	6.36	0.91	2	SWF
120961 1998 VJ_{4}	5.82	0.45	2	SWF
120968*1998 VH_{32}	3.12	0.20−0.23	2	SWF
121005*1998 YM_{31}	17.123	0.64	2	SWF
121017 1999 BG_{4}	9.23	0.78	2	SWF
121023 1999 BV_{25}	4.43017	0.20	2	DWF
121052 1999 CP_{51}	6.910	0.10	1	SWF
121073 1999 EL_{12}	>24.	>0.20	1	SWF
121079 1999 FP_{4}	>1.15	>0.29		SWF
121103 Ericneilsen	17.181	0.47	2	SWF
121107 1999 GF_{5}	27.342	0.70	2	SWF
121128 1999 JO_{3}	238.823	0.45	2	DWF
121133 1999 JN_{14}	75.5442	0.17	2	DWF

Planet	Period	Variation	Note	Survey
121145*1999 JT_{59}	16.158	0.30−0.43	2	SWF
121181 1999 LC_{25}	35.5787	0.22	2	DWF
121188 1999 NR_{17}	22.5399	0.29	2	DWF
121192 1999 NC_{22}	11.16	0.38	2	SWF
121197 1999 NB_{33}	4.739	0.37	2	SWF
121199 1999 NC_{38}	11.2383	0.30	2	DWF
121223 1999 RQ_{15}	24.4286	0.28	2 1	DWF
121231 1999 RD_{31}	52.9278	0.35	2	DWF
121245 1999 RO_{51}	>1.00	>0.10		SWF
121246 1999 RU_{55}	3.42895	0.18	2	DWF
121269 1999 RK_{108}	3.299	0.37	2	SWF
121274 1999 RM_{124}	67.5098	0.27	2 1	DWF
121277 1999 RX_{136}	16.8072	0.19	2	DWF
121293 1999 RL_{182}	539.627	0.52	2	SWF
121306 1999 RQ_{207}	4.365	0.47	2	SWF
121319 1999 RN_{247}	10.7752	0.36	2	DWF
121342 1999 TV_{19}	14.545	0.09	1	SWF
121344 1999 TB_{29}	>0.92	>0.70		SWF
121366 1999 TZ_{65}	S 13.46913		2 p N	LCI-W
121368 1999 TP_{69}	7.96	0.83	1 DA	SWF
121429 1999 TL_{164}	15.0466	0.19	2	DWF
121433 1999 TL_{175}	5.153	0.54	2	SWF
121436 1999 TZ_{182}	6.354	0.36	2	SWF
121460 1999 TW_{207}	8.887	0.59	2	SWF
121494 1999 TE_{267}	4.899	0.34	2	SWF
121512 1999 TR_{322}	10.534	0.53	2	SWF
121514 1999 UJ_{7}	46.46	0.50−0.65	2 T?	
121529 1999 UY_{33}	7.174	0.58	2	SWF
121532 1999 UD_{40}	2.350	0.41	2	SWF
121534 1999 UJ_{41}	114.523	0.57	2	SWF
121573*1999 VZ_{87}	6.851	0.59−0.79	2	SWF
121588 1999 VL_{105}	10.79	0.28	2−	SWF
121598 1999 VO_{130}	>1.33	>0.12		SWF
121607 1999 VG_{142}	3.57	0.19	2	SWF
121608 Mikemoreau	24.797	0.44	2 p	SWF
121624 1999 VN_{173}	21.086	0.40	2	SWF
121638 1999 VK_{216}	5.392	0.61	2	SWF
121650 1999 WR_{18}	8.314	0.77	2	SWF
121712 1999 XS_{113}	6.098	0.59	2	SWF
121716 Victorsank	9.616	0.21	2	SWF
121770 2000 AV_{2}	492.494	1.01	2	DWF
121772 2000 AA_{20}	4.64	0.35	2	SWF
121884 2000 DA_{3}	9.41	0.31	1+	SWF
121885 2000 DQ_{6}	3.77272	0.19	2	DWF
121913 2000 DN_{68}	5.20	0.64	2−	SWF
121915 2000 DN_{73}	6.06692	0.35	2	DWF
121958 2000 EP_{58}	4.366	0.33−0.34	2	SWF
121986 2000 ER_{180}	>0.92	>0.81		SWF
121987*2000 EU_{188}	10.31	0.47−0.51	2	SWF
121990 2000 FX_{11}	5.6015	0.33	2	DWF
121997 2000 FX_{41}	8.801	0.16	2	SWF
122003 2000 FP_{55}	35.0698	0.55	2	DWF
122007 2000 GC_{7}	118.154	0.68−0.74	2	SWF
122011 2000 GL_{28}	3.95	0.08	2−	SD
122027 2000 GD_{59}	9.93003	1.53	2	DWF
122039 2000 GN_{76}	28.062		2−	SWF
122043 2000 GV_{79}	9.163		2	SWF
122085 2000 HN_{45}	10.67	0.87	2	SWF
122120 2000 JJ_{15}	>1.15	>0.27		SWF
122129 2000 JX_{21}			HN	DWF
122139 2000 JF_{39}	6.964	0.60−0.66	2	SWF
122154 2000 JS_{59}	3.53	0.29	2	SWF
122173*2000 KC_{28}	2.7084	0.09	2+	
122179 2000 KT_{38}	>1.15	>0.09		SWF
122184 2000 KA_{58}	>1.78	>0.18		SWF
122185 2000 KF_{58}	166.786	0.20	2	DWF
122195 2000 LU_{2}	>0.62	>0.08		SWF
122209 2000 MY_{2}			HN	DWF
122210 2000 NL_{3}	15.402	0.41	2	SWF
122223 2000 NM_{22}	4.082	0.12	2	SWF
122231 2000 OV_{5}	24.7461	0.43	2	DWF
122247 2000 OM_{27}	7.172	0.63	2	SWF
122279 2000 PE_{7}	91.842	0.50	2	SWF
122318 2000 QV_{12}	4.84765	0.09	2	DWF
122350 2000 QB_{42}	7.314	0.34−0.35	2	SWF
122376 2000 QO_{65}	13.4741	0.17	2	DWF
122377 2000 QU_{65}	5.600	0.77	2	SWF
122408 2000 QV_{88}	83.4838	0.23	2	DWF
122415 2000 QF_{94}	5.942	0.45−0.47	2	SWF
122417 2000 QG_{96}	5.583	0.42	2	SWF

Planet	Period	Variation	Note		Survey
122419 2000 QB_{99}	35.728	0.80	2		SWF
122452 2000 QO_{139}	20.4752	0.18	2		DWF
122460 2000 QB_{146}	55.079	0.47	2		SWF
122463 2000 QP_{148}	426.	1.13	2	T0	
122477 2000 QO_{165}	6.36	0.62	2		SWF
122497 2000 QM_{185}	5.92202	0.80	2		DWF
122522 2000 QK_{207}	11.5827	0.20	2		DWF
122524 2000 QW_{208}	2.96	0.11	1		SWF
122536 2000 QY_{216}	6.880	0.72	2		SWF
122561 2000 RP_{2}	3.50	0.19−0.20	2		SWF
122570 2000 RG_{12}	5.211	0.71	2		SWF
122603 2000 RM_{40}	4.40	0.22	2		SWF
122617 2000 RT_{54}	19.4054	0.34	2		DWF
122623 2000 RK_{67}	100.317	0.14	2		DWF
122639 2000 RN_{82}	5.088	0.27	2		SWF
122659 2000 RM_{97}	136.12	0.41	2		DWF
122662 2000 RK_{98}	29.0786	0.30	2		DWF
122669 2000 RN_{101}	11.1834	0.34	2		DWF
122672 2000 RP_{102}	106.615	0.19	2		DWF
122678 2000 RK_{104}	32.212	0.51	2		SWF
122698 2000 SW_{16}	7.440	0.72	2		SWF
122699*2000 SX_{19}	8.338	0.33−0.68	2		SWF
122702 2000 SV_{24}	6.91	0.39−0.56	2		SWF
122722 2000 SA_{40}	14.2477	0.57	2		DWF
122732 2000 SY_{46}	18.8266	0.22	2		DWF
122733 2000 SK_{47}	346.903	0.26	2		SWF
122735 2000 SW_{49}	10.00	0.32	2		SWF
122743 2000 SR_{54}	6.738	0.49	2		SWF
122764 2000 SX_{69}	4.9	0.55	2		SWF
122770 2000 SB_{75}	3.03	0.27	2		SWF
122783 2000 SY_{85}	6.23	0.90	2		SWF
122790 2000 SY_{91}	17.3669	0.16	2		DWF
122796 2000 SO_{94}	29.1018	0.14	2		DWF
122836 2000 SO_{117}	65.8438	0.19	2		DWF
122837 2000 SO_{119}	4.351	0.19	2		SWF
122842 2000 SC_{122}	3.92	0.35	2		SWF
122855 2000 SQ_{131}	63.6255	0.21	2		DWF
122863 2000 SY_{134}	185.579	0.24	2		DWF
122897 2000 SO_{156}	7.72	0.50	1	DA	SWF
122905 2000 SU_{165}	69.4254	0.26	2		DWF
122914 2000 SL_{169}	5.06933	0.22	2		DWF
122934 2000 SS_{185}	2.641	0.45	2		SWF
122938 2000 SV_{189}	75.0223	0.20	2		DWF
122943 2000 SZ_{192}	3.61	0.26	2		SWF
122975 2000 SE_{230}	4.738	0.88−1.07	2		SWF
122986 2000 SG_{244}	26.9713	0.20	2		DWF
123005 2000 SZ_{258}				HN	DWF
123034*2000 SG_{288}	15.070	0.14−0.31	2		SWF
123051 2000 SN_{295}	19.415	0.23	2		DWF
123054 2000 SH_{298}	8.38	0.37	2		SWF
123074 2000 SG_{311}	10.1555	0.15	2		DWF
123079 2000 SG_{315}	39.4189	0.20	2		DWF
123083 2000 SL_{319}	101.907	0.21	2		DWF
123086 2000 SH_{321}	72.403	0.76	2		DWF
123104 2000 SV_{348}	351.909	0.42	2		SWF
123107 2000 SF_{350}	5.350	0.58	2		SWF
123144*2000 TY_{19}	6.91	0.23−0.26	2		SWF
123150 2000 TJ_{32}	4.25	0.93	2+		SWF
123171 2000 TL_{58}	4.7186	0.18	2		DWF
123180 2000 TP_{68}	80.0432	0.45	2	1	DWF
123184 2000 UQ_{6}	146.441	0.66	2		SWF
123191 2000 UT_{14}	3.69	0.83	2−		SWF
123192 2000 UA_{15}	19.7941	0.76	2		DWF
123198 2000 UF_{20}	24.3787	0.18	2		DWF
123213 2000 UK_{37}	14.5524	0.23	2		DWF
123219 2000 UC_{41}				HN	DWF
123233 2000 US_{56}	19.0105	0.26	2		DWF
123241 2000 UL_{60}	3.04	0.42	2		SWF
123245 2000 UC_{65}	48.105		2−		SWF
123248 2000 UT_{67}	23.5548	0.32	2		DWF
123257 2000 UT_{73}	>5.15	>0.41			SWF
123259 2000 UV_{74}	5.62	0.26	2		SWF
123260 2000 UR_{76}	10.30	0.71	2		SWF
123263 2000 UO_{78}	13.889	0.45	2		SWF
123265 2000 UA_{80}	22.2459	0.24	2		DWF
123267 2000 UK_{82}	9.048	0.66	2		SWF
123313 2000 VZ_{7}	363.185	0.35	2		DWF
123329 2000 VC_{31}	4.575	0.08	1		SWF
123330 2000 VA_{38}	5.15379	0.36	2		DWF
123335 2000 VQ_{43}	20.6154	1.02	2	A	DWF

Planet	Period	Variation	Note		Survey
123336 2000 VD_{45}	55.978	0.63	2		SWF
123337 2000 VE_{46}	15.8348	0.33	2		DWF
123349 2000 VP_{61}	10.4339	0.15	2		DWF
123353 2000 WV_{4}				HN	DWF
123404 2000 WS_{88}	15.60	0.26	1	DA	SWF
123423 2000 WV_{107}	2.839	0.28	2		SWF
123430 2000 WX_{115}	6.499	0.68	2		SWF
123452 2000 WJ_{134}	85.7706	0.37	2		DWF
123467 2000 WZ_{146}	272.425	0.53	2		DWF
123471 2000 WE_{149}	96.5942	0.34	2		DWF
123480 2000 WE_{162}	170.574	0.59	2		DWF
123481 2000 WV_{162}	10.083	0.42	2		SWF
123507*2000 WP_{182}	10.427	0.98−1.03	2		SWF
123509 2000 WK_{183}				BHN	
123512 2000 WU_{187}	131.052	0.28	2		DWF
123514 2000 WY_{190}	5.85622	0.19	2		DWF
123553 2000 XN_{29}	7.142	0.69	2		SWF
123567 2000 XV_{35}	14.212	0.15	2		SWF
123569 2000 XC_{36}	15.452	0.63	2		SWF
123573 2000 XG_{37}	61.343	0.38	2		SWF
123579 2000 XA_{40}	28.1032	0.21	2		DWF
123582 2000 XQ_{40}	5.783	0.70	2		SWF
123585 2000 XD_{41}	62.619	0.31	2		DWF
123593 2000 XZ_{46}	12.4336	0.21	2		DWF
123596 2000 XX_{51}	14.015	0.74	2		SWF
123603 2000 YV_{7}	37.7264	0.57	2		DWF
123620 2000 YP_{26}	7.14862	0.64	2		DWF
123621 2000 YK_{27}	3.88	0.18	2		SWF
123624 2000 YO_{32}	3.37123	0.19	2		DWF
123672 2000 YA_{87}	15.2319	0.29	2		DWF
123678 2000 YP_{91}	9.201	0.56	2		SWF
123693 2000 YQ_{101}	S 7.41107		2	p N	LCI-W
123710 2000 YQ_{120}	4.874	0.40	2		SWF
123713 2000 YU_{122}	11.868	0.09	1		SWF
123714 2000 YH_{124}	>1.15	>0.11			SWF
123715 2000 YT_{124}	149.857	0.44	2		DWF
123723 2000 YD_{135}	4.352	0.19	2		SWF
123736 2001 AQ_{11}	S 8.15196		2	p N	LCI-W
123751 2001 AR_{27}	6.44461	0.53	2		DWF
123754 2001 AR_{32}	101.427	0.66−0.90	2		SWF
123788 2001 BZ_{22}	28.4323	0.34	2		DWF
123804 2001 BA_{60}	100.635	0.38	2		DWF
123839 2001 CD_{22}	S 11.72224		2	p N	LCI-W
123871 2001 DM_{22}	10.054	0.52	2		SWF
123896 2001 DX_{58}	5.57443	0.63	2		DWF
123928 2001 ED_{6}	3.692	0.37	2		SWF
123934 2001 EU_{14}	>1.50	>0.28			SWF
123936 2001 EA_{15}	4.468	0.54	2		SWF
123937 2001 EX_{16}	39.82	0.07	2	T0	
123946 2001 ER_{23}	3.47	0.54	2		SWF
124032 2001 FN_{126}	192.327	0.85	2		SWF
124044 2001 FB_{141}	S 16.3965		2	p N	LCI-W
124068 2001 FX_{175}	56.1674	0.23	2		DWF
124077 2001 GJ_{3}	95.4309	0.52	2		DWF
124116 2001 JS_{6}	2.53	0.54	2		SWF
124135 2001 LS	3.6217	0.17	1	AN	
124136 2001 LT_{2}	7.93564	0.08	2		DWF
124139 2001 LL_{12}	43.123	0.86	2		SWF
124142 2001 ME_{2}	13.8298	0.22	2		DWF
124149 2001 MG_{22}	65.1952	0.26	2		DWF
124174 2001 OR_{24}	8.171	0.63	2		SWF
124191 2001 OO_{63}	13.4938	0.11	2		DWF
124200 2001 OM_{81}	9.50	0.43	2		SWF
124202 2001 OT_{85}	26.0776	0.17	2		DWF
124204 2001 OP_{92}	4.92823	0.39	2	A	DWF
124209 2001 OM_{98}	254.089	0.43	2		DWF
124210 2001 OU_{100}	5.47148	0.22	2		DWF
124252*2001 QA_{4}	7.452	0.71−0.75	2		SWF
124260 2001 QK_{12}	2.749	0.32−0.45	2		SWF
124265 2001 QZ_{14}	5.81	0.41	2		SWF
124289 2001 QA_{51}	4.6504	0.59	2		DWF
124295 2001 QF_{56}	43.516	0.72	2		SWF
124297 2001 QE_{57}	5.78	0.77	2		SWF
124322 2001 QK_{92}	30.0812	0.30	2		DWF
124347 2001 QP_{119}	6.249	0.70	2		SWF
124374 2001 QU_{152}	9.7	0.53−0.60	2		SWF
124393 2001 QM_{186}	3.89	0.57	2		SWF
124432 2001 QJ_{247}	15.48	0.69	2		SWF
124435 2001 QS_{247}	4.640	0.43−0.46	2		SWF
124479 2001 RA_{13}	>1.10	>0.14			SWF

Planet	Period	Variation	Note	Survey
124494 2001 RE_{44}	8.55264	0.62	2	DWF
124497 2001 RF_{45}	7.252	0.21	2	SWF
124525 2001 RE_{81}	3.753	0.25−0.36	2	SWF
124548 2001 RT_{126}	6.498	0.25	2	SWF
124575 2001 SJ_{12}	6.81	0.86	2	SWF
124579 2001 SF_{15}			HN	DWF
124619 2001 SC_{49}	>0.78	>0.22		SWF
124620 2001 SS_{50}	126.484	0.39	2	SWF
124627 2001 SF_{60}	9.296	0.56−0.71	2	SWF
124630 2001 SM_{62}	3.31	0.27	2	SWF
124643 2001 SQ_{68}	5.646	0.87	2	SWF
124653 2001 SO_{72}	18.5533	0.28	2	DWF
124660 2001 SW_{80}	4.623	0.56	2	SWF
124729 2001 SB_{173}	>5.33	>0.46		SWF
124764 2001 SE_{235}	5.558	0.74	2	SWF
124766 2001 SV_{239}	48.592	0.59	2	SWF
124802 2001 SO_{278}	>0.88	>0.19		SWF
124805 2001 SY_{278}	51.9515	0.23	2	DWF
124811*2001 ST_{282}	9.307	0.49−0.79	2	SWF
124814 2001 SF_{285}	3.45	0.21	2	SWF
124834 2001 TH	5.526	0.76	2	
124856 2001 TS_{22}	2.71	0.49	2	SWF
124866 2001 TM_{30}	5.11	0.70−0.83	2	SWF
124873 2001 TG_{35}	5.256	0.62	2	SWF
124891 2001 TE_{47}	46.2299	0.20	2	DWF
124896 2001 TL_{50}	6.18472	0.43	2	DWF
124901 2001 TE_{52}	S 7.51768		2 p N	LCI-W
124932 2001 TA_{74}	229.881	0.63	2	DWF
124934 2001 TA_{76}	4.92	0.69	2	SWF
124935 2001 TQ_{76}	4.250	0.48−0.61	2	SWF
124939 2001 TA_{79}	3.91224	0.19	2	DWF
124965 2001 TF_{104}	4.955	0.73	2	SWF
124966 2001 TH_{105}	5.50	0.30−0.43	2	SWF
124972 2001 TO_{110}	16.942	0.44	2	DWF
124982 2001 TC_{130}	16.	>0.05	1	SWF
124987 2001 TO_{133}	9.31247	0.72	2	DWF
124999 2001 TS_{150}	717.667	0.50	2	DWF
125001 2001 TG_{154}	5.571	0.42	2	SWF
125016 2001 TJ_{174}	>1.33	>0.11		SWF
125017 2001 TM_{174}	284.079	0.47	2	DWF
125035 2001 TH_{194}	5.835		2	SWF
125083 2001 UM_{12}	5.03	0.35	2	SWF
125091 2001 UX_{24}	4.45	0.73−0.78	2+	SWF
125100 2001 UA_{34}	4.27343	0.20	2	DWF
125131 2001 UU_{57}	>5.35	>0.33		SWF
125136 2001 UY_{61}	2.94565	0.23	1 NA	
125207 2001 UB_{149}	64.7761	0.25	2	DWF
125219 2001 UZ_{153}	4.38697	0.58	2	DWF
125244 2001 UY_{174}	257.684	0.40	2	DWF
125264 2001 UX_{221}	49.5755	0.18	2	DWF
125277 2001 VL_{13}	120.833	0.43	2	DWF
125310 2001 VN_{32}	6.15	1.26	2	SWF
125314 2001 VW_{34}	4.266	0.48−0.52	2	SWF
125322 2001 VE_{40}	9.34	0.89	2	SWF
125324 2001 VY_{41}	47.434	0.22	2	SWF
125336*2001 VA_{49}	13.1804	0.44	2	DWF
125369 2001 VK_{71}	12.8287	0.24	2	DWF
125374 2001 VY_{74}	4.39625	0.54	2	DWF
125382 2001 VD_{80}	11.2953	0.76	2	DWF
125390 2001 VZ_{84}	9.14	0.53	2	SWF
125397 2001 VD_{98}	3.683	0.21	2	SWF
125398 2001 VZ_{98}	20.0098	0.28	2	DWF
125407 2001 VV_{105}	15.79	0.45	2	SWF
125431 2001 VT_{114}	7.61878	0.19	2	DWF
125435 2001 VM_{115}	26.67	0.60	1	SWF
125445 2001 VZ_{120}	12.031	0.48	2	DWF
125533 2001 WK_{85}	>3.87	>0.31		SWF
125539 2001 WN_{90}	8.07	0.21	2	SWF
125540 2001 WO_{90}	11.071	0.51	2	SWF
125579 2001 XT_{24}	2.92	0.17	2	SWF
125584 2001 XU_{26}	3.77899	0.22	2	DWF
125585 2001 XN_{27}	2.68473	0.18	2	DWF
125597 2001 XW_{44}	9.06605	0.23	2	DWF
125598 2001 XF_{45}	9.072	0.13	2	SWF
125603 2001 XX_{47}	31.17	0.51	2	DWF
125604*2001 XJ_{48}	10.029	0.14−0.15	2	SWF
125610 2001 XW_{51}	>1.15	>0.10		SWF
125617 2001 XX_{54}	>6.	>0.54	N	
125648 2001 XS_{66}	S 7.58109		2 p N	LCI-W
125662 2001 XN_{73}	4.062	0.74	2	SWF

Planet	Period	Variation	Note	Survey
125668 2001 XL_{77}	8.65	0.97	2	SWF
125699 2001 XU_{93}	2.56	0.28	2	SWF
125703 2001 XY_{96}	6.173	0.55	2	SWF
125706 2001 XZ_{97}	37.0822	0.28	2	DWF
125710 2001 XJ_{99}	63.0212	0.43	2	DWF
125738 2001 XE_{116}	4.09	0.19	2	
125742*2001 XT_{117}	60.8	1.15−1.40	3 T?	
125745 2001 XF_{119}	45.6109	0.57	2	DWF
125746 2001 XJ_{119}	5.728	0.59	2	SWF
125776 2001 XX_{140}	6.32	0.73	2	SWF
125779 2001 XL_{145}	11.251	0.28	1 NA	
125784 2001 XZ_{147}	13.52	0.97	2−	SWF
125787 2001 XY_{150}	106.993	0.49	2	DWF
125788 2001 XH_{151}	5.55	0.95	2	SWF
125793 2001 XC_{153}	5.11	0.63	2	SWF
125828 2001 XT_{174}	5.872	0.42−0.54	2	SWF
125831 2001 XU_{176}	>4.37	>0.37		SWF
125866 2001 XZ_{191}	>0.92	>0.32		SWF
125871 2001 XA_{195}	>1.9	>0.14		SWF
125883 2001 XQ_{205}	3.198		2−	SWF
125911 2001 XO_{223}	48.437	0.13	2	DWF
125922 2001 XR_{234}	5.1	0.71	1 N	
125925 2001 XE_{237}			HN	DWF
125927 2001 XD_{238}			HN	DWF
125969 2001 YL_{13}	>0.92	>0.14		SWF
125979 2001 YU_{21}	5.29	0.67	2+	
126002 2001 YL_{46}	8.24433	0.17	2	DWF
126035 2001 YY_{67}	13.803	0.51	2	DWF
126043 2001 YE_{71}	7.221	0.08	1	SWF
126054 2001 YJ_{77}	51.1314	0.27	2	DWF
126074 2001 YE_{85}	2.4	0.16	1+	
126090 2001 YC_{97}	66.1367	0.36	2	DWF
126093 2001 YU_{101}			HN	DWF
126117 2001 YW_{113}		1.15		SWF
126131 2001 YJ_{122}	15.117		2−	SWF
126154 2001 YH_{140}	13.25	0.19−0.21	2−	
126174 2002 AA_{10}			HN	DWF
126179 2002 AY_{13}	11.16	0.50	1 DA	SWF
126236 2002 AC_{59}	9.733	0.70−0.72	2	SWF
126242*2002 AX_{62}	9.12968	0.74	2	DWF
126311 2002 AT_{123}	4.92	0.52	2	SWF
126334 2002 AW_{152}	3.51	0.35−0.47	2	SWF
126340 2002 AU_{157}	75.127	0.54	2	SWF
126361 2002 AA_{179}	10.84	0.70	1 DA	SWF
126363*2002 AR_{182}	150.373	0.24	1 1	DWF
126380 2002 AE_{199}	4.10987	0.37	2	DWF
126406 2002 BG_{16}	4.485	0.60−0.68	2	SWF
126419 2002 BH_{29}	6.827	0.18	2	SWF
126421 2002 BD_{30}	5.0	0.21	1+	
126458 2002 CW_{29}	54.783	0.27	2	DWF
126460 2002 CM_{32}	28.1362	0.17	2	DWF
126469 2002 CB_{41}	22.2461	0.46	2	DWF
126479 2002 CJ_{48}	36.3702	0.17	2	DWF
126483 2002 CC_{51}			HN	DWF
126488 2002 CD_{55}		0.88		SWF
126490 2002 CB_{56}	17.1832	0.21	2	DWF
126491 2002 CC_{56}	2.57	0.17	2	SWF
126498 2002 CK_{61}			HN	DWF
126505 2002 CA_{64}	2.989	0.35−0.41	2	SWF
126551 2002 CM_{98}	5.65	0.53	2	SWF
126562 2002 CM_{105}	>5.40	>0.20		SWF
126571 2002 CN_{110}	3.79	0.58	2	SWF
126606 2002 CS_{141}	25.038	0.87	2	SWF
126627 2002 CQ_{163}	7.92	0.41	2	SWF
126643 2002 CJ_{176}	31.0499	0.21	2	DWF
126656 2002 CY_{202}			HN	DWF
126672 2002 CL_{215}	>1.0	>0.17		SWF
126685 2002 CT_{221}	45.8273	0.33	2	DWF
126719 2002 CC_{249}	11.87	0.79	3	
126763 2002 DN_{11}			HN	DWF
126788*2002 EH_{19}	2.62	0.13−1.02	2	SWF
126792 2002 EK_{21}	3.62	0.72	2	SWF
126801 2002 EC_{29}			HN	DWF
126807 2002 ES_{39}	S 5.49350		2 p N	LCI-W
126821 2002 EC_{55}	58.7269	0.72	2	DWF
126830 2002 ES_{61}	>4.35	>0.26		SWF
126846 2002 EN_{69}	14.7533	0.18	2	DWF
126878 2002 ES_{91}	98.1969	0.24	2	DWF
126884 2002 ET_{98}	24.584	0.81	2	SWF
126888 Tspitzer	4.77	0.34	2	SWF

Planet	Period	Variation	Note	Survey
126889 2002 EW_{101}	4.93534	0.34	2	DWF
126908 2002 EV_{115}	135.765	0.28	2	DWF
126912 2002 EQ_{122}	5.815	0.54	2	SWF
126915 2002 EV_{125}	7.630	0.10	1	SWF
126935 2002 EN_{146}	6.03	0.55−0.58	2+	SWF
126944 2002 FN_{1}	2.252	0.13	1+	
126957 2002 FQ_{13}	19.1147	0.37	2	DWF
126969 2002 FX_{20}	378.015	0.55	2	DWF
127021 2002 GP_{16}	8.761	0.38	2	SWF
127028 2002 GA_{23}			HN	DWF
127038 2002 GR_{35}	>4.98	>0.42		SWF
127054 2002 GD_{47}	3.20	0.42	2	SWF
127093 2002 GL_{81}	18.11	0.70	2	SWF
127114 2002 GC_{98}			HN	DWF
127123 2002 GE_{102}	18.875	0.46	2	SWF
127125 2002 GP_{102}	3.65	0.35	2	SWF
127136 2002 GB_{110}	7.06	0.92	2	SWF
127138 2002 GD_{112}	9.02	1.02	2	SWF
127139 2002 GG_{112}	3.31306	0.18	2	DWF
127148 2002 GT_{123}	7.50	0.68	2	SWF
127172 2002 GF_{154}	5.097	0.64	2 p	SWF
127189 2002 GL_{172}	5.75	0.41	2	SWF
127210 2002 HE_{11}	11.2121	0.22	2	DWF
127212 2002 HB_{14}	14.3656	0.27	2	DWF
127217 2002 HS_{17}	6.03443	0.32	2	DWF
127284 2002 JF_{70}	3.95	0.59	2	SWF
127288 2002 JV_{74}	10.30	0.33	2+	
127311 2002 JV_{90}	2.82	0.3 −0.36	2	
127362 2002 JF_{134}	36.7625	0.31	2	DWF
127389 2002 LW_{6}	>0.77	>0.14		SWF
127467 2002 RX_{41}	>1.97	>0.18		SWF
127495 2002 TW_{30}	>1.00	>0.24		SWF
127502*2002 TP_{59}	23.150	0.60	2	
127509 2002 TP_{220}	5.73533	0.66	2	DWF
127532 2002 WH_{9}	D long		1	
127539 2002 XV_{46}	38.1855	0.32	2 A	DWF
127544 2002 XD_{81}	15.5335	0.17	2	DWF
127599 2003 BE_{18}		0.89		SWF
127608 2003 BH_{31}	13.831	0.17	2	DWF
127638 2003 CE_{8}	7.127	0.94	2	SWF
127656 2003 DV_{8}			HN	DWF
127658 2003 DV_{10}	5.02	0.66	2	SWF
127664 2003 DV_{14}	>5.35	>0.29		SWF
127693 2003 EG_{20}	5.39	1.00	2	SWF
127749 2003 FS_{16}	6.203	0.26	2	SWF
127772 2003 FO_{52}	8.62	0.51	2	SWF
127785 2003 FE_{63}	23.810		2−	SWF
127788 2003 FL_{66}	26.3922	0.27	2	DWF
127795 2003 FU_{73}	6.56737	0.28	2	DWF
127805 2003 FE_{81}	74.827	0.34	2	DWF
127817 2003 FK_{88}	8.332	0.58	2	SWF
127835 2003 FX_{104}	>0.82	>0.22		SWF
127876 2003 GN_{2}	3.38	0.43	2	SWF
127917 2003 GW_{38}	41.4916	0.23	2	DWF
127919 2003 GR_{43}	8.231		2−	SWF
127955 2003 HY_{13}	2.31	0.73	2	SWF
127963 2003 HO_{21}	2.29	0.12	1+	SWF
127993 2003 HU_{48}	2.916	0.35	2	SWF
128007 2003 HS_{55}	>1.00	>0.12		SWF
128014 2003 JR_{10}	16.294	0.72	2	SWF
128018 2003 JA_{14}	8.083	0.36	1 NA	
128046*2003 MY_{1}	8.312	0.64−0.89	2	SWF
128071 2003 OS_{9}	17.92	0.33	2	
128081 2003 OO_{21}	>18.	>0.15	1	SWF
128144 2003 QA_{61}	12.5534	0.24	2	DWF
128209 2003 SS_{65}	18.46	0.49	2	SWF
128213 2003 SK_{73}	8.18847	0.38	2	DWF
128226 2003 SB_{114}	>1.28	>0.13		SWF
128248 2003 SD_{216}	6.91	0.27	2	SWF
128263 2003 SL_{303}	14.5505	0.09	2	DWF
128314*Coraliejackman	6.412	0.32−0.65	2	SWF
128319 2004 EF_{25}	23.5018	0.11	2	DWF
128338 2004 FQ_{111}	>3.72	>0.40		SWF
128343 Brianpage	2.4776	0.25	1 NA	
128394 2004 LG_{3}	21.826	0.37	2	SWF
128397 2004 LL_{5}	5.54	1.00	2	SWF
128399 2004 LO_{7}	22.4314	0.16	2	DWF
128419 2004 LK_{29}	>1.00	>0.14		SWF
128467 2004 OH_{11}	52.8648	0.18	2	DWF
128471 2004 OG_{13}	3.0	0.97	2	SWF

Planet	Period	Variation	Note	Survey
128543 2004 PO_{67}	50.182	0.33	2	SWF
128603 2004 QP_{13}	2.530	0.25	2	SWF
128619 2004 QN_{25}	59.1133	0.39	2	DWF
128646 2004 RT_{36}	11.273	0.56	2	SWF
128648 2004 RT_{42}	287.501	0.51	2	SWF
128661 2004 RT_{55}	4.94966	0.40	2	DWF
128691 2004 RL_{89}	5.132	0.72	2	SWF
128693 2004 RZ_{92}	126.449	0.93	2	SWF
128736 2004 RJ_{156}	4.95	0.86	2	SWF
128778 2004 RP_{200}	4.13017	0.71	2+	
128791 2004 RG_{218}	167.361	0.40	2	DWF
128799 2004 RS_{225}	7.89	0.93	2	SWF
128843 2004 RH_{341}	10.87	0.33	2+	
128847 2004 SM_{11}			HN	DWF
128890 2004 SH_{59}	7.543	0.70	2	SWF
128891 2004 SP_{59}	9.913	0.43−0.65	2	SWF
128906 2004 TR_{34}	247.047	0.58	2	SWF
128921 2004 TT_{66}	3.696	0.33	2	SWF
128950 2004 TA_{132}	26.698	0.14	2	DWF
128958 2004 TL_{137}	54.6131	0.86	2 A3	DWF
129000 2004 TO_{247}	3.623	0.45−0.49	2	SWF
129038 2004 UY_{4}	3.362	0.46	2	SWF
129079 2004 VZ_{70}	3.209	0.52−0.53	2	SWF
129100 Aaronammons	6.8	0.71−1.20	3−	SWF
129127 2004 XA_{167}	2.071	0.09	1	SWF
129135 2005 AD_{21}		1.41	I	
129140 2005 AO_{50}	9.384	0.32	2	SWF
129152 Jaystpierre	3.39	0.30	2	SWF
129158 Michaelmellman	9.791	0.74	2	SWF
129178 2005 LK_{6}	209.512	0.29	2	DWF
129221 2005 OC_{4}	10.276	0.78	2	SWF
129236 2005 PE_{19}	3.58	0.21	2	SWF
129245 2005 QN_{24}	16.6157	0.31	2	DWF
129261 2005 QM_{87}	12.814	0.65	2	SWF
129274 2005 QC_{176}	5.87	0.24	2	SWF
129277 Jianxinchen	31.1012	0.20	2	DWF
129282 2005 RN_{31}	44.6362	0.26	2	DWF
129334 2005 UN_{68}	5.16	0.49	2	SWF
129336 2005 UC_{73}	26.2016	0.27	2	DWF
129371 6266 $P–L$			HN	DWF
129404 5021 $T–2$	29.069	0.77	2	SWF
129419 2619 $T–3$	>0.88	>0.13		SWF
129420 3114 $T–3$	>1.07	>0.15		SWF
129428 4164 $T–3$	19.1285	0.34	2	DWF
129435 5017 $T–3$	3.58758	0.27	2	DWF
129437*1978 NG	6.221	0.38−0.47	3	
129442 1981 EC_{15}	15.67	0.27	2	
129458 1992 EQ_{6}	6.347		2−	SWF
129489 1994 TN_{5}	91.092	0.59	2	SWF
129501 1995 HJ_{5}	5.106	0.52	2	SWF
129538 1996 NM	20.1423	0.38	2	DWF
129539 1996 NO_{1}	4.595	0.86	2	SWF
129571 1997 GS_{35}	5.18866	0.40	2	DWF
129589 1997 UD	46.4806	0.27	2	DWF
129602 1997 WA_{12}	43.010	0.28−0.39	2+ H	
129673 1998 RN_{27}	6.62663	0.25	2 A	DWF
129690 1998 SF_{16}	7.38	0.58	2	SWF
129691 1998 SH_{16}	17.1	0.50	2−	SWF
129717 1998 TT_{34}	2.51	0.26	2	SWF
129764 1999 GK_{25}	S 3.881270		2 p N	LCI-W
129815 1999 NV_{5}	39.3565	0.33	2	DWF
129816 1999 NC_{23}	4.47	0.46	2	SWF
129826 1999 NM_{56}	601.38	0.39	2	DWF
129916 1999 TJ_{108}	3.91016	0.18	2	DWF
129924 1999 TK_{127}	>1.78	>0.39		SWF
129925 1999 TM_{127}	>1.33	>0.17		SWF
129929 1999 TV_{141}	>1.35	>0.18		SWF
129952 1999 TW_{220}	17.109	0.07	1	SWF
129972 1999 UF_{23}	11.16	0.12	2	SWF
129989 1999 VS_{5}	6.408	0.20	2−	SWF
129990 1999 VW_{13}	5.77658	0.40	2	DWF
129997 1999 VH_{28}	8.8	0.1	1	
130005 1999 VE_{43}	S 4.014444		2 p N	LCI-W
130007 Frankteti	7.017	0.51	2	SWF
130032 1999 VE_{98}	S 10.37715		2 p N	LCI-W
130057 1999 VA_{179}	91.3353	0.14	2	DWF
130154 1999 XQ_{220}	5.46794	0.18	2	DWF
130190 2000 AG_{90}		1.13	I	
130236 2000 CX_{24}	26.606	0.49	2	SWF
130246 2000 CN_{83}	262.822	0.33	2	DWF

Planet	Period	Variation	Note	Survey
130254 2000 DJ_{14}	18.038	0.63−0.64	2	SWF
130281 2000 EM	S 14.2919		2 p N	LCI-W
130310 2000 EP_{103}	72.5448	0.35	2	DWF
130311 2000 EW_{105}	6.669	0.56	2	SWF
130319 Danielpelham	S 7.39637		2 p N	LCI-W
130335 2000 FZ_{26}	6.636	0.54−0.56	2	SWF
130362 2000 GY_{87}	14.049	1.07	2	SWF
130369 2000 GZ_{124}	16.2972	0.31	2	DWF
130374 2000 GB_{164}	6.598	0.09	1	SWF
130381 2000 HR_{35}	5.93006	0.25	2	DWF
130401 2000 NX_{18}	3.89924	0.43	2	DWF
130403 2000 OZ_{13}	5.152	0.62−0.80	2	SWF
130412 2000 OT_{45}	S 23.5943		2 p N	LCI-W
130413 2000 OO_{47}	15.445	0.23	2	SWF
130421 2000 PN_{11}	4.08925	0.17	2	DWF
130422 2000 PZ_{15}	3.779	0.29−0.44	2	SWF
130444 2000 QJ_{29}	5.910		2	SWF
130467 2000 QO_{78}	S 16.52468		2 p N	LCI-W
130469 2000 QQ_{80}	196.472	0.83	2	DWF
130485 2000 QN_{103}	4.85	0.61	2	SWF
130495 2000 QX_{126}	7.73323	0.17	2	DWF
130512 2000 QS_{154}	77.3251	0.23	2	DWF
130528 2000 QY_{199}	109.763	0.48	2	DWF
130532 2000 QB_{202}			HN	DWF
130535 2000 QU_{207}	13.240	0.36	2	SWF
130536 2000 QV_{208}	106.325	0.27	2	DWF
130555 2000 RR_{23}	4.995		2	SWF
130571 2000 RJ_{46}	10.5874	0.28	2	DWF
130583 2000 RS_{75}	5.468	0.15−0.22	2	SWF
130594 2000 RA_{90}	124.136	0.38	2	DWF
130600 2000 RU_{96}	16.8621	0.32	2	DWF
130605 2000 SH_{14}	13.2609	0.17	2	DWF
130623 2000 SP_{41}	4.505	0.52	2	SWF
130636 2000 SC_{64}	59.0403	0.19	2	DWF
130654 2000 SN_{94}	55.2231	0.45	2	DWF
130677 2000 ST_{117}	96.0457	0.14	2	DWF
130682 2000 SM_{122}	5.046	0.59	2	SWF
130718 2000 SM_{209}	65.8109	0.21	2	DWF
130723 2000 SO_{216}	14.88	0.75	1 DA	SWF
130730 2000 SO_{227}	5.62802	0.19	2	DWF
130745 2000 ST_{259}	25.2831	0.62	2	DWF
130753 2000 SA_{275}	53.595	0.67	2	SWF
130782 2000 TH_{6}	6.6	0.98	2	SWF
130797 2000 TW_{39}	5.0971	0.61	2	DWF
130809 2000 UJ_{5}	170.928	0.71	2	SWF
130811 2000 UH_{6}	9.623		2−	SWF
130820 2000 UH_{17}	12.980	0.70	2	SWF
130870*2000 VK_{1}	3.21	0.25−0.28	2	SWF
130884 2000 VY_{17}	57.6715	0.20	2	DWF
130898 2000 VQ_{31}	6.28559	0.50	2	DWF
130917 2000 WE_{8}	12.7456	0.21	2	DWF
130918 2000 WP_{8}	49.533	0.15	2	DWF
130925 2000 WY_{17}	5.250	0.66	2	SWF
130944 2000 WK_{54}	5.314		2	SWF
130952 2000 WB_{76}	74.527	0.18	2	DWF
130953 2000 WT_{79}	>1.13	>0.17		SWF
130967 2000 WX_{112}	>0.92	>0.12		SWF
130982 2000 WH_{130}	92.099	1.21	2	SWF
130989 2000 WL_{142}	15.164	0.89	2	SWF
131002 2000 WP_{188}	4.938	0.31	2	SWF
131007 2000 XL_{8}	5.621	0.21	2	SWF
131021 2000 XR_{33}	26.234	0.58	2	SWF
131029 2000 XV_{42}	5.961	0.54−0.58	2	SWF
131041 2000 YA_{13}	195.484	0.17	2	DWF
131043 2000 YU_{25}	S 9.31419		2 p N	LCI-W
131047 2000 YB_{35}	3.91734	0.35	2	DWF
131048 2000 YM_{38}	11.43	0.83	2	SWF
131050 2000 YF_{48}	4.881		2−	SWF
131062 2000 YG_{69}	2.93	0.17	2	SWF
131066 2000 YF_{77}	282.755	0.66	2	DWF
131067 2000 YO_{78}	15.967	0.43	2	DWF
131076 2000 YC_{103}	5.1	0.10	1+	SWF
131077*2000 YH_{105}	1.8130	0.42	3	
131095 2001 AW_{3}	37.21	0.57	2	SWF
131104 2001 AN_{28}	10.83	0.43	2	SWF
131119 2001 BK_{4}	8.66526	0.46	2	DWF
131128 2001 BX_{31}	2.85	0.15	2	SWF
131137 2001 BC_{50}	23.0581	0.22	2	DWF
131140 2001 BV_{52}	13.595	0.39	2	SWF
131150 2001 BE_{82}	35.7201	0.34	2	DWF
131166 2001 CK_{30}	>1.00	>0.45		SWF
131175 2001 CX_{38}	13.3004	0.32	2	DWF
131205 2001 DK_{36}	>0.82	>0.22		SWF
131220 2001 DN_{78}			HN	DWF
131229 2001 DU_{100}	25.7873	0.39	2	DWF
131245 Bakich	>4.37	>0.26		SWF
131249 2001 FP_{12}	S 4.192907		2 p N	LCI-W
131262 2001 FD_{36}	3.35198	0.20	2	DWF
131263 2001 FX_{39}	113.849	0.67	2	DWF
131275 2001 FL_{66}	340.628	0.27	2	DWF
131280 2001 FX_{82}	8.30392	0.23	2	DWF
131282 2001 FW_{93}	5.884	0.50	2	SWF
131309 2001 FH_{158}	30.2	0.28	2−	
131316 2001 FE_{179}	6.74364	0.30	2	DWF
131333 2001 HZ_{31}	151.59	0.34	2	DWF
131336 2001 HP_{35}	13.185	0.35	2	SWF
131361 2001 KN_{5}	46.1552	0.32	2	DWF
131365 2001 KN_{11}	41.632	0.41	2	SWF
131367 2001 KS_{16}	>0.90	>0.34		SWF
131369 2001 KX_{18}	17.9079	0.57	2	DWF
131371 2001 KJ_{25}	22.2585	0.25	2	DWF
131381 2001 KU_{39}	227.405	0.77	2	SWF
131385 2001 KE_{41}	413.504	0.32	2	DWF
131389 2001 KG_{53}	8.36674	0.34	2	DWF
131394 2001 KC_{60}	6.67	0.50	2	
131401 2001 LY	24.7258	0.31	2	DWF
131406 2001 LB_{12}	5.250	0.40	2	SWF
131426 2001 OX_{93}	179.911	0.19	2	DWF
131427 2001 OW_{98}	3.517	0.34	2	SWF
131439 2001 QK_{68}	30.0565	0.34	2	DWF
131460 2001 QE_{194}	>3.23	>0.21		SWF
131477 2001 RN_{93}	6.32	0.59	2	SWF
131489 2001 SA_{159}	23.457	0.30	2	DWF
131492 2001 SP_{181}	764.414	0.36	2	DWF
131500 2001 SK_{270}	55.3285	0.18	2	DWF
131516 2001 TH_{117}	4.6432	0.45	2	DWF
131517 2001 TN_{120}	8.747	0.61	2	SWF
131530 2001 UO_{79}	3.40	0.34	2	SWF
131536 2001 UW_{112}	3.56714	0.21	2	DWF
131558 2001 VB_{36}	20.484		2−	SWF
131568 2001 VK_{61}	45.7136	0.43	2	DWF
131594 2001 WL_{99}	6.40	0.85	2	SWF
131656*2001 XL_{114}	41.430	0.46−0.60	2	SWF
131663 2001 XE_{150}	4.78	0.99	2	SWF
131682 2001 XX_{192}	19.366		2−	SWF
131694 2001 XZ_{239}	2.593	0.08	1	SWF
131702 2001 YZ_{3}	4.92	0.10	2−	
131712 2001 YE_{65}	25.	0.70	2	SWF
131740 2001 YH_{117}	>0.92	>0.19		SWF
131774 2002 AZ_{18}	187.273	0.75	2	DWF
131777 2002 AE_{21}	4.872	0.55	2 p	SWF
131823 2002 AY_{97}	S 6.77100		2 p N	LCI-W
131825 2002 AP_{99}	250.94	0.77	2	DWF
131868 2002 AW_{154}			HN	DWF
131967 2002 CR_{52}	55.2537	0.26	2 1	DWF
131976 2002 CM_{61}	23.5671	0.46	2	DWF
131994 2002 CH_{95}	9.119	0.42	2	SWF
132005 Scottmcgregor	4.91251	0.59	2	DWF
132027 2002 CE_{115}	19.017		2−	SWF
132067 2002 CQ_{147}			HN	DWF
132083 2002 CG_{167}	10.688	0.65	2	SWF
132102 2002 CZ_{210}	186.498	0.37	2	DWF
132114 2002 CE_{224}	5.672	0.8	3−	
132115 2002 CL_{225}	6.00	0.94	2	SWF
132216 2002 EU_{63}	98.029	0.88	2	SWF
132237*2002 EL_{79}	18.621	0.27−0.32	2	SWF
132246 2002 EQ_{86}	2.65	0.20	2	SWF
132259 2002 EY_{114}	5.1941	0.26	2	DWF
132327 2002 GA_{24}	3.90	0.52	2	SWF
132328 2002 GH_{27}	9.93229	0.61	2	DWF
132339 2002 GR_{41}	4.93	0.69	2	SWF
132351 2002 GT_{52}	5.65	0.64−0.81	2	SWF
132367 2002 GG_{68}	8.948	0.59	2	SWF
132385 2002 GY_{85}	9.6355	0.26	2	DWF
132394 2002 GW_{96}	7.38	0.47	2	SWF
132435 2002 GL_{164}	8.28	0.48	2	SWF
132450 2002 HT_{1}	10.7	0.89	2−	
132515 2002 JT_{48}	>0.97	>0.25		SWF
132561 2002 JV_{93}	5.538	0.48−0.60	2	SWF
132597 2002 JM_{141}	7.10	0.26	2−	

Planet	Period	Variation	Note	Survey
132598 2002 JG_{142}	10.237	0.92	2	SWF
132624 2002 LD_{13}	3.25855	0.23	2	DWF
132636 2002 LC_{33}	4.968	0.50	2	SWF
132664 2002 MB_{3}	19.4242	0.49	2	DWF
132676 2002 NR_{14}	7.11	0.60	2	SWF
132691 2002 NY_{32}	14.5	0.13	2	
132693 2002 NQ_{33}	35.9142	0.36	2	DWF
132695 2002 NV_{34}	>1.13	>0.69		SWF
132699 2002 NY_{43}	6.100	0.38−0.56	2	SWF
132711 2002 OS_{14}	99.1449	0.60	2	DWF
132712 2002 OY_{14}	5.104	0.80	2	SWF
132718 Kemény	5.89	0.79	2	SWF
132752 2002 PK_{49}	6.08	0.25	2	SWF
132754 2002 PR_{54}	14.2453	0.73	2	DWF
132790 2002 PW_{140}	93.7632	0.50	2	DWF
132804 2002 QP_{8}	46.2405	0.21	2	DWF
132809 2002 QO_{30}	10.55	0.59	2	SWF
132830 2002 RQ_{7}	5.908	0.37−0.40	2	SWF
132856 2002 RK_{61}	9.50	0.20	2	
132868 2002 RO_{95}	15.835	0.78	2	SWF
132871 2002 RW_{105}	3.784	0.42	2	SWF
132873 2002 RB_{114}	8.08933	0.32	2	DWF
132883 2002 RN_{138}	60.0024	0.80	2	DWF
132893 2002 RY_{184}	12.670	0.59	2	SWF
132899 2002 RO_{212}	126.137	0.27	2	DWF
132915 2002 SV_{27}	7.618	0.71−1.01	2	SWF
132919*2002 SX_{34}	3.112	0.23−0.24	2	SWF
132953 2002 TM_{83}	54.685	0.48	2	SWF
132982 2002 TX_{192}	3.366	0.33	2	SWF
132991 2002 TY_{227}	13.164	0.16	2 A3	DWF
133003 2002 TM_{289}	4.016	0.48	2	SWF
133014 2002 UD_{48}	5.63728	0.27	2	DWF
133037 2003 AB_{3}	15.29	0.25	2+	
133040 2003 BB_{34}	84.5207	0.77	2	DWF
133074 Kenshamordola	24.94	0.60	1 DA	SWF
133078 2003 JU_{13}	6.67538	0.10	2	DWF
133104 2003 OP_{8}	>5.05	>0.42		SWF
133127 2003 PY_{3}	4.475		2−	SWF
133151 2003 QQ_{20}	12.073	0.81	2	SWF
133189 2003 QM_{54}	161.327	0.28	2	DWF
133211 2003 QG_{71}	12.2664	0.26	2	DWF
133223 2003 QY_{87}	S 6.90318		2 p N	LCI-W
133227 2003 QW_{94}	21.691	0.21−0.24	2	SWF
133306 2003 SB_{49}	5.130	0.44	2	SWF
133307 2003 SZ_{51}	4.29	0.30	2	SWF
133315 2003 SE_{76}	9.415	0.37	2	SWF
133324 2003 SY_{90}	11.3	0.80	3−	SWF
133372*2003 SR_{145}	18.970	0.52−0.56	2	SWF
133389 2003 SA_{160}	>1.67	>0.12		SWF
133393 2003 SO_{162}	32.0562	0.36	2	DWF
133430 2003 SC_{200}	39.994	0.18	2	DWF
133440 2003 SK_{213}	6.00	0.26	2	SWF
133442 2003 SV_{213}	10.32	0.34	2	SWF
133489 2003 SE_{268}	3.90	0.35	2	SWF
133512 2003 SY_{298}	44.3586	0.37	2	DWF
133528 Ceragioli	3.052	0.35	2	SWF
133591 2003 UA_{71}	>5.33	>0.21		SWF
133630 2003 UM_{136}	5.9	0.25	2	SWF
133632 2003 UA_{141}	49.2806	0.55	2	DWF
133635 2003 UN_{143}	2.645	0.11	2	SWF
133692 2003 UN_{217}	S 15.7945		2 p N	LCI-W
133693 2003 UC_{220}	3.54	0.31	2	SWF
133695 2003 UF_{223}	6.474	0.49	2	SWF
133701 2003 UD_{230}	2.74	0.37	2	SWF
133713 2003 UO_{248}	249.628	0.33	2	DWF
133752 2003 WE_{23}	5.55	0.64	2	SWF
133784 2003 WB_{104}	4.30741	0.25	2	DWF
133798 2003 WF_{135}	2.8986	0.61	2 1	DWF
133839 2003 YH_{48}	8.65	0.57	2	SWF
133847 2003 YL_{77}	96.0146	0.13	2	DWF
133848 2003 YB_{78}	18.559	0.18	2	DWF
133857 2004 AB_{1}	10.358	0.40	2	SWF
133862 2004 BR_{38}	4.414	0.06	1	
133865 2004 BT_{69}	9.04606	0.17	2	DWF
133866 2004 BW_{80}	15.8489	0.14	2	DWF
133867 2004 BX_{110}	190.519	0.27	2	DWF
133895 2004 RK_{35}	16.2059	0.29	2	DWF
133896 2004 RT_{35}	7.272	0.90	2	SWF
133899 2004 RU_{63}	117.37	0.35	2	DWF
133929 2004 SM_{39}	4.49758	0.19	2	DWF
133983 2004 TV_{282}	>3.72	>0.58		SWF
134001 2004 VL_{9}	S 9.15196		2 p N	LCI-W
134015 2004 VY_{52}	83.5021	0.26	2 1	DWF
134052 2004 XL_{27}	67.960	0.85	2	SWF
134108 2004 XP_{158}	S 8.45516		2 p N	LCI-W
134121 2004 YE_{30}	9.32	0.75	2	SWF
134126 2005 AN_{6}	31.58	0.36	2	SWF
134141 2005 AL_{35}	27.0981	0.53	2 A3	DWF
134158 2005 AJ_{75}	>5.20	>0.44		SWF
134160 Pluis	3.29198	0.31	2	DWF
134208 2005 EY_{293}	6.26102	0.42	2	DWF
134222 2005 WN_{188}	4.38	0.30	2	SWF
134260 2006 BG_{12}	11.2022	0.30	2	DWF
134293 2006 DX_{37}	13.104	0.41−0.42	2	SWF
134326 2251 $T-3$	5.30971	0.20	2	DWF
134340 Pluto	153.2935	0.10−0.30	3 M	
134342 1979 MV_{3}	4.71	1.00	2	SWF
134361*1994 RF	8.10359	0.43	2 p	DWF
134377 1995 SF_{40}			HN	DWF
134380 1995 YH_{4}	44.6395	0.42	2	DWF
134407 1998 BV_{9}	7.090	0.47−0.54	2	SWF
134422 1998 QM_{3}	25.4	0.65	2+ T	
134444 1998 SV_{75}	55.4716	0.22	2	DWF
134459 1998 SS_{131}	2.829	0.29	2	SWF
134467 1998 UM_{7}	2.62968	0.08	2	DWF
134468 1998 UX_{8}	3.467	0.76	2	SWF
134471 1998 UW_{41}	105.453	0.31	2	DWF
134481 1998 VJ_{54}	4.941	0.81	2	SWF
134483 1998 WK_{2}	9.50	0.54	1 DA	SWF
134494 1998 XV_{67}	27.513	0.58	2	SWF
134502 1999 CW_{81}	10.434	0.09	1	SWF
134507 1999 CR_{142}	4.23	0.27	2	
134526 1999 RX_{22}	19.043	0.10	1	SWF
134527 1999 RY_{30}	80.	>0.6	1	SWF
134540 1999 RZ_{91}	7.899	0.52	2	SWF
134548 1999 RY_{150}	9.546	0.55	2	SWF
134549 1999 RN_{154}	124.	0.55	2− T?	
134553 1999 RK_{165}	151.406	0.45	2	SWF
134554 1999 RE_{169}	4.117	0.40	2	SWF
134555 1999 RN_{169}	122.389	0.29	2	SWF
134585 1999 TN_{56}	7.942	0.88	2	SWF
134597 1999 TE_{128}	4.618	0.94−1.15	2	SWF
134598 1999 TQ_{147}	5.944	0.65	2	SWF
134602 1999 TX_{151}	4.838		2−	SWF
134607 1999 TK_{197}	3.500	0.64	2	SWF
134632 1999 UG_{7}	219.972	0.27	2	DWF
134638 1999 UD_{37}	>5.25	>0.15		SWF
134650 1999 VS_{29}	5.205	0.79	2	SWF
134659 1999 VX_{88}	4.59	0.29	2	SWF
134661 1999 VT_{112}	6.36	0.63	2	SWF
134669 1999 VC_{186}	5.118	0.63−0.87	2	SWF
134683 1999 XO_{28}	13.265	0.42	2	SWF
134696 1999 XZ_{96}	109.101	0.44	2	SWF
134699 1999 XX_{118}	4.659	0.41	2	SWF
134702 1999 XQ_{125}	3.840	0.28	2	SWF
134704 1999 XS_{156}	87.027	0.26	2	SWF
134711 1999 XV_{241}	4.94346	0.21	2	DWF
134740 2000 AX_{187}	S 7.98646		2 p N	LCI-W
134752 2000 BQ_{35}	9.441	0.62−0.75	2 p	SWF
134775 2000 DT_{34}	12.47	0.56	2	SWF
134818 2000 GH_{18}	9.405	0.08	1	SWF
134832 2000 HT_{61}	2.576	0.07	1	SWF
134858 2000 OW_{54}	5.75765	0.22	2	DWF
134860 2000 OJ_{67}			BH	
134867 2000 QA_{18}	50.916		2−	SWF
134873 2000 QR_{89}	8.889	0.48	2	SWF
134882 2000 RH_{31}	6.262	0.08	1	SWF
134892 2000 SY_{256}	>3.72	>0.12		SWF
134896 2000 WH_{13}	4.27	0.55	2	SWF
134901 2000 WY_{156}	5.59	0.60	2	SWF
134906 2000 XO_{33}	2.67	0.15	2	SWF
134965 2001 DQ_{99}	10.596	0.43	2	SWF
134969 2001 EL_{1}	11.510	0.70	2	SWF
134993 2001 FX_{146}	4.83766	0.44	2	DWF
135004 2001 HZ_{45}	>1.50	>0.14		SWF
135029 2001 MC_{8}	9.785	0.48−0.56	2	SWF
135031 2001 ME_{20}	21.6969	0.26	2	DWF
135034 2001 MM_{30}	10.2228	0.18	2	DWF
135039 2001 OA_{2}	4.2057	0.20	1+	SWF
135069 Gagnereau	>5.33	>0.40		SWF

Planet	Period	Variation	Note	Survey
135098 2001 QE_{78}	6.799	0.43−0.50	2	SWF
135115 2001 QA_{115}	39.131	0.77	2	DWF
135126 2001 QX_{158}	3.595	0.52	2	SWF
135130 2001 QA_{171}	31.1351	0.17	2	DWF
135133 2001 QD_{179}	24.3152	0.64	2	DWF
135146 2001 QJ_{212}	4.400	0.49−0.50	2	SWF
135147 2001 QS_{217}	5.93	0.28	2	SWF
135150 2001 QC_{218}	10.619	0.56−0.67	2	SWF
135164*2001 QH_{248}	4.035	0.17−0.23	2 p	SWF
135195 2001 RO_{29}	7.23	0.68	2	SWF
135208 2001 RF_{68}	3.62	0.28−0.30	2	SWF
135211 2001 RL_{72}	518.462	0.61	2	DWF
135215 2001 RT_{85}	3.36	0.15	2	SWF
135222 2001 RS_{103}	14.890	0.68−0.75	2	SWF
135223 2001 RK_{109}	7.964	0.70−0.78	2	SWF
135234 2001 RT_{142}	10.6712	0.19	2	DWF
135240 2001 SJ_{10}	6.53	0.92	2	SWF
135243 2001 ST_{17}	4.78	0.17	2	SWF
135250 2001 SY_{33}	3.32	0.19	2	SWF
135274 2001 SH_{126}	5.68	0.25	2	SWF
135277 2001 SG_{133}	81.1167	0.17	2	DWF
135283 2001 SU_{143}	4.80	0.23	2	SWF
135288 2001 SF_{154}			HN	DWF
135316 2001 SN_{277}	6.36	0.28	2	SWF
135333 2001 TE_{1}	416.844	0.83	2	DWF
135340 2001 TF_{22}	>5.48	>0.23		SWF
135354 2001 TA_{77}	7.285	0.55−0.57	2	SWF
135361 2001 TW_{118}	5.540	0.25−0.35	2	SWF
135365 2001 TS_{123}	15.960	0.52	2	SWF
135368 2001 TF_{126}	>1.15	>0.23		SWF
135370*2001 TE_{133}	31.215	0.51	2 p	DWF
135378 2001 TG_{148}	9.603	0.61−0.64	2	SWF
135391 2001 TM_{196}	6.623	0.46−0.47	2	SWF
135401 2001 TQ_{213}	6.834	0.39−0.41	2	SWF
135405*2001 TF_{226}	13.3491	0.34	2	DWF
135411 2001 UE_{16}	8.20	0.71	2	SWF
135414 2001 UP_{24}	S 13.8910		2 p N	LCI-W
135421*2001 UC_{49}	128.346	0.42−0.61	2	SWF
135439 2001 UG_{179}	11.448	0.31	2	SWF
135445 2001 VW_{13}	17.490	0.62	2	SWF
135452 2001 VF_{26}	20.475	0.41−0.42	2	SWF
135456 2001 VA_{51}	8.050	1.06	2	SWF
135461 2001 VE_{74}	526.625	0.22	2 A	DWF
135479 2001 WT_{47}	4.89873	0.26	2	DWF
135480 2001 WQ_{48}	28.8091	0.23	2	DWF
135486*2001 XP_{2}	69.	0.33−1.2	2− T0	
135488 2001 XT_{5}	4.77593	0.19	2	DWF
135508 2001 XU_{226}	17.750	0.57	2	SWF
135528 2002 AY_{181}	38.4111	0.34	2	DWF
135532 2002 CR_{12}	8.991	0.38	2	SWF
135559 2002 FE_{3}	6.76	0.96	2	SWF
135576 2002 GS_{56}	7.22	1.13	2	SWF
135589 2002 GO_{112}	4.918		2−	SWF
135649 2002 KQ_{12}	4.85	1.11	2	SWF
135659 2002 LE_{51}	>5.40	>0.18		SWF
135661 2002 LC_{60}	17.8149	0.20	2	DWF
135683 2002 OW_{3}	3.661	0.26	2	SWF
135690 2002 OO_{18}	7.61	0.56	2	
135691 2002 OS_{20}	5.867	0.08	1	SWF
135693 2002 OB_{26}	>3.72	>0.17		SWF
135712 2002 PJ_{48}	163.228	0.26	2	DWF
135771 2002 RH_{41}	29.7468	0.42	2	DWF
135797*2002 RA_{101}	187.528	0.28	1	DWF
135835 2002 SZ_{3}	145.524	1.16	2	DWF
135884 2002 TF_{49}	4.97	0.36	2	SWF
135885 2002 TX_{49}	5.3	0.33	2	
135886 2002 TH_{52}	2.49447	0.51	2	DWF
135889 2002 TN_{61}	5.79688	0.17	2	DWF
135905 2002 TR_{90}	7.43	0.90	2	SWF
135912 2002 TP_{121}	589.346	0.55	2	DWF
135927 2002 TH_{180}	4.755	0.49	2	SWF
135983 2002 UD_{9}	>3.72	>0.58		SWF
135993 2002 VP_{2}	3.60	0.58	2	SWF
136017 2002 VH_{74}	4.3	0.35	2−	
136023 2002 VW_{85}	10.265	0.16	2	DWF
136028 2002 VR_{101}	93.8593	0.39	2	DWF
136032 2002 VP_{110}	3.71178	0.26	2	DWF
136057 2002 XZ_{49}	59.26	1.10	2	SWF
136059 2002 XV_{55}	36.6066	0.29	2	DWF
136061 2002 XK_{75}	5.681	0.20	2−	SWF

Planet	Period	Variation	Note	Survey
136080 2003 AQ_{49}	355.087	0.20	2	DWF
136081 2003 AH_{57}	16.239	0.45	2	SWF
136094 2003 BC_{51}	>1.00	>0.43		SWF
136096 2003 CV_{8}	9.84696	0.33	2	DWF
136106 2003 EW_{33}	4.96	0.26	2	SWF
136108 Haumea	3.9154	0.05−0.32	3 B	
136146 2003 SA_{294}			HN	DWF
136159 2003 UE_{15}	6.204	0.86−1.00	2	SWF
136164 2003 UO_{47}	6.779	0.61	2	SWF
136173 2003 UU_{129}	9.398	0.25	2	SWF
136174 2003 UJ_{132}	3.68	0.77	2	SWF
136175 2003 UV_{132}	7.654	0.69	2	SWF
136184 2003 UV_{209}	3.821	0.23	2	SWF
136199 Eris	25.9	0.10	2 B	
136204 2003 WL_{7}	8.24	0.05	2− 1	
136206 2003 WN_{19}	86.811	0.09	1	SWF
136209 2003 WF_{20}	4.802	0.07	1	SWF
136216 2003 WK_{71}	7.717	0.52	2	SWF
136217 2003 WK_{72}	10.206	0.07	1	SWF
136218 2003 WR_{73}	4.65	0.93	2	SWF
136220 2003 WO_{78}	5.565	0.62	2	SWF
136224 2003 WH_{86}	3.51476	0.22	2	DWF
136240 2003 WY_{143}	6.754	0.72	2	SWF
136251 2003 XD_{19}	3.22	0.66	2	SWF
136259 2003 YH_{45}	14.296	0.63	2	SWF
136297 2004 BN_{9}	3.43	0.78	2	SWF
136302 2004 BL_{19}	6.564	0.54	2	SWF
136317 2004 BO_{57}	55.803	0.56	2 p	SWF
136331 2004 BG_{108}	>5.42	>0.13		SWF
136341 2004 CO_{23}	>1.35	>0.20		SWF
136360 2004 DO_{19}	8.00	0.10	1	SWF
136381 2004 FU_{44}	6.27	0.55	2	SWF
136406 2005 AR_{32}	8.643	0.58	2	SWF
136412 2005 BG_{25}	>1.15	>0.36		SWF
136465 2005 EA_{266}	12.783	0.72	2	SWF
136472*Makemake	22.8266	0.01−0.03	2 AB	
136514 2005 QT_{36}	S 9.42571		2 p N	LCI-W
136516 2005 QR_{49}	27.8094	0.34	2	DWF
136522 2006 DA_{59}	5.27599	0.36	2	DWF
136535 2006 KA_{85}	4.04147	0.43	2	DWF
136555 2254 $T-2$	100.906	0.26	2	DWF
136566 1978 VE_{4}	>1.33	>0.10		SWF
136568 1980 XB	2.7823	0.29	3	
136569 1981 EN_{2}	17.5831	0.29	2	DWF
136576 1981 EN_{33}			HN	DWF
136578 1981 EL_{45}	5.223	0.41	2	SWF
136617 1994 CC	2.38860	0.09	3− MR	
136618 1994 CN_{2}	13.0	0.5	2−	
136623 1994 PS_{6}	7.644	0.30	2	SWF
136624 1994 PD_{14}	15.493	0.49−0.56	2	SWF
136635 1994 VA_{1}	41.9973	0.37	2	DWF
136637 1994 WA_{5}	5.06	0.30	2	SWF
136725 1995 UP_{40}	9.959	0.56	2	SWF
136729 1995 UR_{57}	>1.33	>0.05		SWF
136734 1995 VF_{6}	21.966	0.40	2	SWF
136743 Echigo	>4.35	>0.18		SWF
136754 1996 AA_{6}	2.45	0.55	2	SWF
136769 1996 OD	S 6.80216		2 p N	LCI-W
136785 1996 XC_{2}	37.614	0.72	2	SWF
136786 1996 XX_{4}	17.313	0.88	2	SWF
136796 1997 BO_{6}	9.308	0.34	2	SWF
136805 1997 EM_{30}	4.766	0.35	2	SWF
136807 1997 EQ_{38}			HN	DWF
136817 1997 JR_{5}	5.3511	0.16	2	DWF
136849*1998 CS_{1}	2.7653	0.14−0.24	3	
136865 1998 FE_{41}	4.348	0.55−0.66	2	SWF
136897 1998 HJ_{41}	15.3	0.54	2	
136914 1998 HA_{103}	19.6831	0.18	2	DWF
136923*1998 JH_{2}	15.7	0.82−1.22	2	
136940 1998 QG_{45}	127.521	0.51	2	SWF
136949 1998 QE_{110}	5.082	0.67	2	SWF
136952 1998 RY_{3}	3.98337	0.21	2	DWF
136992 1998 SL_{45}	119.	0.3	1+	SWF
136993 1998 ST_{49}	2.3017	0.11−0.15	3 BR	
137032 1998 UO_{1}	2.925	0.04−0.16	2	
137041 1998 UG_{43}	5.876	0.74	2	SWF
137051 1998 VA_{27}	10.532	1.00	2	SWF
137052 Tjelvar	9.007	0.17−0.18	3−	
137058 1998 VN_{45}	50.8873	0.50	2	DWF
137062 1998 WM	2.58	0.07	2	

Planet	Period	Variation	Note		Survey
137065 1998 WH_{6}	136.942	0.80	2		SWF
137071 1998 WD_{29}	6.170	0.66	2		SWF
137076 1998 XK_{3}	19.645	0.20	2		SWF
137084*1998 XS_{16}	5.419	0.90−1.3	3		
137092 1998 XX_{68}	4.819	0.08	1		SWF
137105 1998 YK_{31}	26.9469	0.50	2		DWF
137158 1999 FB	6.074	1.18	3		
137170 1999 HF_{1}	2.3192	0.12−0.26	3	B	
137184 1999 JG_{63}	4.868	0.58	2		SWF
137199 1999 KX_{4}	2.767	0.12−0.30	3		
137206 1999 LJ_{25}				HN	DWF
137213 1999 NX_{10}	42.548	0.08	1		SWF
137228 1999 RT_{20}	7.6	0.66	2		SWF
137246 1999 RN_{63}	>1.78	>0.18			SWF
137270 1999 RW_{143}	6.32	0.17	2		SWF
137277 1999 RT_{164}	>5.02	>0.17			SWF
137280 1999 RQ_{178}	62.323	0.86	2		SWF
137283 1999 RQ_{182}	4.594	0.33	2		SWF
137286 1999 RR_{186}	>4.35	>0.22			SWF
137305 1999 SO_{14}	5.414	0.71	2		SWF
137347 1999 TL_{94}	>5.25	>0.16			SWF
137353 1999 TW_{104}	4.148	0.60	2		SWF
137359 1999 TS_{113}	5.437	0.56	2		SWF
137366 1999 TV_{120}	5.522	0.27	2		SWF
137380 1999 TO_{144}	>1.13	>0.07			SWF
137381 1999 TQ_{149}	14.930	0.60	2		SWF
137391 1999 TF_{158}	59.939	0.08	1		SWF
137411 1999 TS_{188}				HN	DWF
137443 1999 TK_{240}	>5.48	>0.10			SWF
137451 1999 TD_{280}	10.07	0.17	1		SWF
137463 1999 TT_{320}				HN	DWF
137464 1999 TV_{320}	13.813	0.35	2		SWF
137468 1999 UT_{11}	3.33	0.25−0.27	2		SWF
137504 1999 VO_{21}	2.538	0.09	1		SWF
137509 1999 VA_{29}	5.260	0.86	2+		
137515 1999 VC_{38}	8.217		2−		SWF
137524 1999 VM_{49}	15.346	0.34	2		SWF
137577 1999 VW_{125}	>4.32	>1.16			SWF
137581 1999 VV_{137}	>18.	>0.25	1		SWF
137587 1999 VU_{146}	>4.40	>0.28			SWF
137589 1999 VR_{149}	>5.35	>0.18			SWF
137598 1999 VA_{164}	9.24	0.1	1		SWF
137605 1999 VK_{174}	28.0	0.40	2		
137613 1999 VW_{188}	>5.25	>0.22			SWF
137632 Ramsauer	5.263	0.10	1+		SWF
137680 1999 XW_{45}	7.617	0.60	2		SWF
137687 1999 XV_{55}	56.8222	0.38	2		DWF
137689 1999 XB_{60}	13.52	0.52	1+	DA	SWF
137712 1999 XU_{96}	5.93	0.48	2		SWF
137718 1999 XA_{102}	8.489	0.08	1		SWF
137726 1999 XL_{115}	13.103	0.77	2		SWF
137736 1999 XX_{125}	67.796	0.60	2		SWF
137774 1999 XP_{217}	5.349	0.53	2		SWF
137777 1999 XN_{218}	7.000	0.76	2		SWF
137799 1999 YB	9.39	0.20−0.31	2+		
137805 1999 YK_{5}	3.930	0.09−0.38	3−		
137845 2000 AT_{37}	10.062	0.83	2		SWF
137857 2000 AT_{59}	4.732	0.45	2		SWF
137873 2000 AC_{91}	>5.48	>0.12			SWF
137898 2000 AK_{172}	8.13248	0.39	2		DWF
137924 2000 BD_{19}	10.570	0.67−0.87	3−		
137925 2000 BJ_{19}	48.	0.17	2	A	
137936 2000 BB_{34}				HN	DWF
137942 2000 BB_{47}	6.274	0.55	2		SWF
137966 2000 CZ_{24}	17.462	0.56	2		SWF
137982 2000 CR_{53}	4.278	0.62	2		SWF
137987 2000 CN_{61}	40.	0.3	1+		SWF
138015 2000 CT_{109}	6.06263	0.21	2		DWF
138095*2000 DK_{79}	4.243	0.17−0.36	3		
138100 2000 DU_{84}	2.95	0.31	2		SWF
138106 2000 DB_{96}	189.594	0.32	2		DWF
138108 2000 DC_{102}	8.97	0.48	2		SWF
138121 2000 EK_{8}				HN	DWF
138127 2000 EE_{14}	2.586	0.20−0.26	3		
138136 2000 EE_{29}	16.6064	0.27	2		DWF
138152 2000 EO_{68}	4.92	1.00	2		SWF
138155 2000 ES_{70}	5.131	0.16	3−		
138167 2000 EP_{99}	15.22	0.80	2		SWF
138171 2000 EK_{102}	10.5175	0.16	2		DWF
138176 2000 EM_{105}	7.60	>0.1	1		

Planet	Period	Variation	Note		Survey
138188 2000 EV_{115}	>4.35	>0.31			SWF
138190 2000 EK_{118}	47.2734	0.20	2		DWF
138215*2000 EJ_{181}	5.756	0.51−0.67	2		SWF
138216 2000 EG_{183}	32.6895	0.20	2		DWF
138227 2000 FK_{16}	3.401	0.69	2		SWF
138236 2000 FA_{25}	104.635	0.19	2		DWF
138238 2000 FQ_{30}	5.150	0.09	1		SWF
138256 2000 FR_{69}	12.05	0.6 −0.63	2		SWF
138261 2000 GR_{4}	3.558	0.20	2−		SWF
138325 2000 GO_{82}	6.122	0.17	2	A	
138330 2000 GE_{91}	885.834	0.62	2		DWF
138347 2000 GB_{114}	76.715	0.76	2		SWF
138352 2000 GS_{116}	7.909	0.62	2	p	SWF
138359 2000 GX_{127}	3.685	0.06	2		
138381 2000 GL_{162}	72.8976	0.24	2		DWF
138401 2000 HB_{13}	5.905	0.78	2		SWF
138404*2000 HA_{24}	3.9077	0.19−0.30	3		
138405 2000 HV_{24}	7.064	0.74	2	A	SWF
138428 2000 HG_{77}	8.68879	0.30	2		DWF
138467 2000 JL_{44}	6.52	0.63	2		SWF
138479 2000 KU_{2}	S 6.33908		2	p N	LCI-W
138491 2000 KE_{27}	6.010	0.19	2		SWF
138503 2000 KC_{58}	6.86	0.20	2		SWF
138522*2000 NW_{19}	10.80	0.20−0.41	3−		SWF
138524 2000 OJ_{8}	2.6835	0.06	2	A	
138531 2000 OC_{38}	87.9917	0.22	2		DWF
138537*2000 OK_{67}	>6.0	>0.15		N	
138544 2000 QY_{9}	5.77	0.72	2		SWF
138550 2000 QD_{31}	175.984	0.27	2		DWF
138577 2000 QX_{122}	S 48.411		2	p N	LCI-W
138579 2000 QA_{132}	8.97	0.60	2		SWF
138585 2000 QG_{140}	5.5287	1.00	3		SWF
138618 2000 QZ_{209}	16.67	0.71	2		SWF
138636 2000 RJ_{18}	8.845	0.87	2	p	SWF
138656 2000 RQ_{81}	15.974	0.11	2		DWF
138663 2000 RE_{91}	99.6947	0.29	2		DWF
138666 2000 RX_{96}	8.6824	0.80−0.88	3		
138691 2000 SP_{57}	199.100	0.49	2		SWF
138699 2000 SL_{77}	5.089	0.23−0.26	2		SWF
138715 2000 SK_{129}	17.2096	0.14	2		DWF
138732 2000 SG_{191}	>1.13	>0.60			SWF
138742 2000 SR_{223}	7.47	0.73	2		SWF
138765 2000 SD_{306}	53.7567	0.33	2		DWF
138777 2000 SX_{330}	10.32	0.49	2		SWF
138804 2000 TG_{36}	4.21856	0.27	2		DWF
138812 2000 TY_{54}	>3.57	>0.26			SWF
138824 2000 UK_{28}	3.754	0.28	2		SWF
138831 2000 UD_{68}	S 2.286890		2	p N	LCI-W
138846 2000 VJ_{61}	2.620	0.18	2	A	
138847 2000 VE_{62}	7.600	0.30−0.36	3		
138848 2000 WD_{1}	>1.13	>0.36			SWF
138852 2000 WN_{10}	4.4622	0.38−0.44	3		
138861 2000 WO_{87}	5.260	0.49	2		SWF
138870 2000 XP_{16}	5.775	0.77	2		SWF
138876 2000 XA_{45}	8.574	0.47	2		SWF
138877 2000 XG_{47}	8.71	0.15−0.6	2	N	
138883*2000 YL_{29}	10.592	0.20−0.30	2+		
138890 2000 YD_{61}	17.232	0.21	2		DWF
138893 2000 YH_{66}	5.30	0.70	3−		
138911 2001 AE_{2}	15.88	0.57	2		
138913 2001 AJ_{11}	280.228	0.19	2		DWF
138925 2001 AU_{43}	5.251	0.55	2+		
138937 2001 BK_{16}	15.06	0.13	2		
138948 2001 BR_{47}	27.4347	0.72	2		DWF
138949 2001 BS_{58}	>2.55	>0.33			SWF
138950 2001 BR_{61}	15.2121	0.55	2		DWF
138971 2001 CB_{21}	3.3020	0.19	2	A	
139016 2001 DU_{58}	5.842	0.62−0.68	2		SWF
139043 2001 ER_{6}				HN	DWF
139056 2001 FY	5.207	0.40	2		
139067 2001 FC_{9}	8.03017	0.28	2		DWF
139133 2001 FR_{74}	312.48	0.84	2		DWF
139146 2001 FW_{92}	37.093	0.84	2		SWF
139188 2001 FO_{149}				HN	DWF
139191 2001 FG_{152}	9.031	0.34−0.35	2		SWF
139201 2001 FC_{166}	7.719	0.87	2		SWF
139216 2001 GB_{10}	6.151	0.29	2+		SWF
139260 2001 HL_{49}	245.685	0.48	2	1	DWF
139289 2001 KR_{1}	11.30	0.47	2		
139296 2001 KD_{7}	8.709	0.27	2		SWF

Planet	Period	Variation	Note	Survey
139310 2001 KQ_{22}	>5.48	>0.22		SWF
139312 2001 KO_{23}	4.003	0.49	2	SWF
139317 2001 KY_{25}	31.366	0.48	2	SWF
139331 2001 KW_{44}	10.82	0.55	2	SWF
139345 2001 KA_{67}	44.25	0.47	3− B?	
139348 2001 KU_{73}	5.06219	0.35	2	DWF
139422 2001 OJ_{28}	66.0427	0.21	2	DWF
139487 2001 PA_{20}	16.5304	0.24	2	DWF
139494 2001 PE_{31}	>0.9	>0.51		SWF
139515 2001 PD_{53}	8.3	0.63	2+	
139537*2001 QE_{25}	30.31	0.09−0.1	2 A	
139566 2001 QR_{77}	45.7165	0.34	2	DWF
139590 2001 QJ_{113}	16.2596	0.44	2	DWF
139597 2001 QD_{118}	16.157	0.23	2	DWF
139644 2001 QZ_{168}	35.8822	0.16	2	DWF
139662 2001 QL_{187}	7.91546	0.67	2	DWF
139728 2001 QE_{250}	8.8		2 N	
139759 2001 QN_{284}	6.52864	0.69	2	DWF
139765 2001 QN_{288}	17.498	0.68	2	SWF
139774 2001 QJ_{297}	34.393		2−	SWF
139775 2001 QG_{298}	13.7744	1.14	3 B?	
139786 2001 RU_{3}	237.018	0.35	2	DWF
139791 2001 RR_{6}	>1.33	>0.06		SWF
139800 2001 RV_{12}	5.126	0.45	2	SWF
139821 2001 RM_{28}	>3.72	>0.95		SWF
139826 2001 RJ_{32}	>0.88	>0.11		SWF
139839 2001 RO_{41}	>2.82	>0.23		SWF
139842 2001 RV_{43}	2.82	0.33	2	SWF
139858 2001 RW_{61}	>1.1	>0.37		SWF
139867 2001 RB_{68}	87.993	0.84	2	SWF
139878 2001 RT_{84}	16.052	0.54−0.75	2	SWF
139888 2001 RC_{89}	8.87	0.50−0.52	3−	SWF
139922 2001 RV_{123}	S 5.87658		2 p N	LCI-W
139938 2001 RQ_{134}	5.40	0.55	2	SWF
139987 2001 SJ_{32}	>0.78	>0.16		SWF
140005 2001 SR_{42}	>4.35	>0.24		SWF
140008 2001 SS_{43}			HN	DWF
140028 2001 SZ_{61}	3.12	0.45	2	SWF
140036 2001 SB_{71}	6.237	0.78	2	SWF
140037 2001 SA_{72}	4.9630	0.75	3	SWF
140040 2001 SA_{76}	5.680	0.69−0.96	2	SWF
140041 2001 SZ_{77}	2.910	0.20	1	SWF
140062 2001 SU_{103}			HN	DWF
140121 2001 SR_{139}	19.32	0.22	1	SWF
140136 2001 SQ_{151}	201.099	0.43	2	DWF
140141 2001 SE_{155}	8.91	0.10	1+	SWF
140158 2001 SX_{169}	3.1430	0.43−0.52	3	
140170*2001 SL_{182}	7.334	0.43−0.56	2	SWF
140190 2001 SJ_{214}	4.32	0.47	2	SWF
140194 2001 SO_{218}	3.30	0.17	2−	SWF
140220*2001 SH_{238}	10.689	0.39−0.55	2	SWF
140246 2001 SR_{252}	17.770	0.63	2	SWF
140251 2001 SN_{255}	6.66	0.73−1.00	3−	SWF
140276 2001 SM_{276}	19.077	0.44	2	DWF
140277 2001 SP_{276}	286.958	0.20	2	DWF
140288 2001 SN_{289}	6.58	0.34	2	
140322 2001 SD_{334}	6.12	0.63	2	SWF
140344 2001 TO_{11}	5.42	0.80	2	SWF
140376 2001 TE_{37}	6.859	0.45	2	SWF
140381 2001 TR_{46}	15.46	0.22	2+	
140391*2001 TQ_{55}	5.084	0.19	1	SWF
140416 2001 TF_{87}	S 6.93437		2 p N	LCI-W
140428 2001 TT_{94}	2.5	0.46	2−	
140429 2001 TQ_{96}	39.8	0.19	2−	
140432 2001 TC_{102}	26.002	0.34	2	SWF
140433 2001 TK_{102}	34.045	0.38	2	DWF
140437 2001 TC_{106}	4.493	0.66	2	SWF
140442 2001 TF_{114}	7.137	0.79	2	SWF
140453 2001 TN_{123}	5.16	0.36	2	SWF
140469 2001 TY_{133}	88.8445	0.34	2	DWF
140497 2001 TX_{153}			HN	DWF
140506 2001 TJ_{163}	S 27.1331		2 p N	LCI-W
140546 2001 TZ_{194}	5.798	0.47−0.48	2	SWF
140562 2001 TS_{207}	5.89	0.74	2	SWF
140579 2001 TM_{222}	6.32361	0.46	2	DWF
140596 2001 TO_{236}	197.624	0.66	2	DWF
140598 2001 TD_{238}	7.70894	0.51	2	DWF
140640 2001 UO_{23}	122.465	0.24	2	DWF
140645 2001 UO_{26}	3.17	0.28	2	SWF
140666 2001 UO_{46}	3.5	0.7	2 N	DWF

Planet	Period	Variation	Note	Survey
140695 2001 UD_{71}	>4.35	>0.29		SWF
140696 2001 UV_{72}	>1.0	>0.43		SWF
140709 2001 US_{82}	>3.72	>0.16		SWF
140720 2001 UO_{93}	S 41.5295		2 p N	LCI-W
140747 2001 UV_{109}	38.0394	0.26	2	DWF
140755 2001 UY_{117}	3.48	0.18	2	SWF
140785 2001 UG_{140}	>5.40	>0.20		SWF
140871 2001 VH_{15}	>4.37	>0.52		SWF
140872 2001 VO_{16}	12.736	0.18	2	DWF
140879 2001 VE_{20}	17.722	0.30	2	SWF
140917 2001 VQ_{62}	251.051	0.60	2	DWF
140918 2001 VZ_{62}	52.5358	0.26	2	DWF
140923 2001 VX_{66}	22.300	0.82	2	SWF
140924 2001 VU_{67}	6.370	0.44−0.55	2	SWF
140928*2001 VG_{75}	17.692	0.61−0.81	3	
140935 2001 VM_{84}	75.2106	0.47	2	DWF
140940 2001 VR_{90}	>3.05	>0.13		SWF
140945 2001 VW_{93}	3.12574	0.17	2	DWF
140951 2001 VZ_{99}	9.964	0.35	2	SWF
140958 2001 VT_{103}	>1.13	>0.24		SWF
140964 2001 VM_{108}	3.17	0.65	2	SWF
140990 2001 WP_{19}	>1.35	>0.18		SWF
141002 2001 WY_{30}	S 6.39745		2 p N	LCI-W
141018 2001 WC_{47}	16.51	0.18	2 T0	
141043 2001 WT_{79}	>5.37	>0.64		SWF
141052*2001 XR_{1}	7.658	0.86−0.88	3−	
141056 2001 XV_{4}	2.671	0.21	2 A	
141061 2001 XN_{9}	5.019	0.30	2	SWF
141091 2001 XZ_{42}	173.518	0.49	2	DWF
141103 2001 XM_{56}	10.86	0.24	2	SWF
141162 2001 XL_{127}	8.533	0.83−1.03	2	SWF
141174 2001 XS_{151}	>1.97	>0.23		SWF
141180 2001 XF_{160}	44.505	0.27	2	DWF
141215 2001 XQ_{219}	9.83	0.34	2+	
141235 2001 XG_{246}	52.969	0.21	2	DWF
141237 2001 XE_{251}	>1.97	>0.12		SWF
141240 2001 XQ_{252}	>24.	>0.15		
141242 2001 XV_{257}	165.352	0.46	2	DWF
141244 2001 XM_{259}	59.1992	0.30	2	DWF
141258 2001 YL_{20}	6.68	0.10	1+	SWF
141309 2001 YP_{120}	9.811	0.82	2	SWF
141312 2001 YU_{121}	>1.00	>0.11		SWF
141343 2002 AK_{13}	120.542	0.64	2	DWF
141345 2002 AQ_{15}	4.44354	0.20	2	DWF
141354*2002 AJ_{29}	10.801	0.31−0.58	3−	
141371 2002 AJ_{49}	>5.25	>0.24		SWF
141432 2002 CQ_{11}	2.605	0.11−0.20	2+	
141443 2002 CX_{42}	19.248	0.38	2	SWF
141467 2002 CO_{152}	3.74854	0.36	2	DWF
141486 2002 DZ_{10}	11.788	0.40	2	SWF
141495 2002 EZ_{11}	2.3270	0.06−0.15	3−	
141498*2002 EZ_{16}	5.02	0.17−0.18	2	
141525 2002 FV_{5}	14.450	0.47	2+	
141527 2002 FG_{7}	6.306	0.97−1.00	3	
141531*2002 GB	73.	0.37	2−	
141534 2002 GJ_{3}	61.3147	0.50	2	DWF
141537 2002 GY_{10}	546.844	0.37	2	DWF
141557 2002 GY_{69}		1.6	I	
141588 2002 HY_{2}	>4.35	>0.10		SWF
141589 2002 HA_{3}	2.50	0.17	2	SWF
141593*2002 HK_{12}	12.690	1.33−1.5	3	
141604 2002 JB_{5}	>3.32	>0.42		SWF
141619 2002 JH_{26}	5.419	0.68−0.81	2	SWF
141627 2002 JM_{37}	14.241	0.88	2	SWF
141635 2002 JV_{51}	30.166	0.50	2	SWF
141639 2002 JB_{55}			HN	DWF
141641 2002 JZ_{55}	3.691	0.18	1	SWF
141670 2002 JS_{100}	4.693	0.57	2+	
141808 2002 NV_{38}	2.068	0.16−0.17	3	
141841 2002 OD_{21}	6.288	0.35	2	SWF
141844 2002 OL_{22}			HN	DWF
141849 2002 PC	2.295	0.10	1	SWF
141850 2002 PY_{4}	10.442	0.35	2	SWF
141887 2002 PR_{53}	5.878	0.80	2	SWF
141917 2002 PK_{82}	10.762	0.64	2	SWF
141972 2002 PO_{125}	5.575		2−	SWF
141977 2002 PZ_{127}	19.59	0.10	1	SWF
141998 2002 PE_{157}	>5.48	>0.08		SWF
142018 2002 PK_{173}	>5.35	>0.23		SWF
142022 2002 QE_{1}	>3.72	>0.16		SWF

Planet	Period	Variation	Note	Survey
142040*2002 QE_{15}	3.853	0.10−0.25	2	
142061 2002 QP_{31}	62.558	0.89	2	SWF
142131*2002 RV_{11}	4.683	0.26	3	
142135 2002 RY_{14}	46.	0.23	1	SWF
142146 2002 RZ_{19}	37.7125	0.22	2	DWF
142153 2002 RS_{24}	14.6022	0.21	2	DWF
142191 2002 RV_{50}	4.069		2−	SWF
142213 2002 RN_{65}	8.7315	0.21	2	DWF
142236 2002 RE_{89}	41.7529	0.35	2	DWF
142250*2002 RO_{102}	53.874	0.45−0.59	2	SWF
142259 2002 RD_{107}	3.86857	0.14	2	DWF
142260*2002 RL_{107}	3.105	0.22−0.50	2	SWF
142278 2002 RY_{120}	7.47	0.20	2	SWF
142344 2002 RM_{205}	4.43054	0.22	2	DWF
142348 2002 RX_{211}	5.0689	0.22−0.62	3	
142412 2002 SO_{30}	26.4194	0.20	2	DWF
142439 2002 SW_{53}	125.126	0.28	2	DWF
142453 2002 TS_{1}	82.1094	0.19	2	DWF
142460 2002 TJ_{6}	S 18.0439		2 p N	LCI-W
142464 2002 TC_{9}	2.320	0.13	2+	
142476 2002 TW_{17}	3.28	0.15	2	SWF
142503 2002 TT_{34}			HN	DWF
142516 2002 TD_{40}	9.294	0.10	1	SWF
142518 2002 TP_{40}	27.8807	0.17	2	DWF
142519 2002 TJ_{41}	2.3280	0.20	3−	SWF
142520 2002 TO_{41}	14.0346	0.46	2	DWF
142530 2002 TL_{47}	4.390	0.90	2	SWF
142541*2002 TR_{51}	5.737	0.69−0.74	2	SWF
142547 2002 TT_{52}	>1.90	>0.15		SWF
142548 2002 TG_{53}			HN	DWF
142567 2002 TQ_{78}	61.	0.6	1+	SWF
142570 2002 TG_{79}	23.8467	0.36	2	DWF
142593 2002 TK_{109}	>5.42	>0.28		SWF
142628 2002 TL_{171}	4.780	0.72	2	SWF
142631 2002 TX_{175}	4.444	0.53	2	SWF
142640 2002 TK_{187}	4.92	0.71	2	SWF
142659 2002 TH_{206}	14.7	0.20	2−	SWF
142686 2002 TJ_{235}	25.842	0.55	2	SWF
142716 2002 TU_{266}	4.011	0.08	1	SWF
142723 2002 TW_{279}			HN	DWF
142726 2002 TH_{281}	55.7894	0.56	2	DWF
142733 2002 TO_{286}	5.098	0.69	2	SWF
142746 2002 TS_{294}	5.218	0.91	2	SWF
142755 Castander			HN	DWF
142771 2002 UQ_{6}	42.6367	0.53	2	DWF
142781 2002 UM_{11}	6.81	0.03	1 A	
142782 2002 UK_{12}	3.30533	0.15	2	DWF
142803 2002 UM_{27}	13.6101	0.18	2	DWF
142806 2002 UJ_{29}	14.440	0.66	2	SWF
142814 2002 UR_{38}			HN	DWF
142830 2002 VG_{11}	4.816	0.49	2	SWF
142836 2002 VN_{12}	71.3099	0.42	2	DWF
142864 2002 VR_{29}	24.8719	0.22	2	DWF
142882 2002 VB_{41}	98.2334	0.45	2	DWF
142913 2002 VN_{55}	5.014	0.60	2	SWF
142942 2002 VG_{69}	3.000	0.18	2−	SWF
142955 2002 VQ_{77}	3.90625	0.29	2	DWF
142960 2002 VJ_{79}	S 5.34492		2 p N	LCI-W
142971*2002 VQ_{82}	22.	0.42	2	
142996 2002 VZ_{95}	7.161	0.20	2	SWF
143008 2002 VQ_{103}	3.091	0.40	2	SWF
143022 2002 VO_{110}	25.1736	0.07	2	DWF
143026 2002 VC_{114}	5.2721	0.77	2	DWF
143033 2002 VN_{121}	15.703	0.63	2	SWF
143035 2002 VS_{121}	131.223	0.76	2	SWF
143065 2002 WF_{12}	5.63415	0.59	2	DWF
143069 2002 WM_{15}	13.9525	0.23	2	DWF
143073 2002 WD_{17}	3.56885	0.19	2	DWF
143081 2002 XC_{5}	9.14	0.60	2	SWF
143087 2002 XP_{9}	12.29	0.28	2	SWF
143089*2002 XZ_{9}	76.088	0.44−0.50	2	SWF
143094 2002 XA_{15}	6.20936	0.75	2	DWF
143103 2002 XK_{21}	6.208	0.36	2	SWF
143105 2002 XS_{21}	>0.55	>0.09		SWF
143114 2002 XK_{26}	3.731	0.21	2	SWF
143116 2002 XT_{27}	130.095	0.32	2	SWF
143127 2002 XW_{32}	5.824	0.54	2	SWF
143129 2002 XA_{34}	320.731	0.22	2	DWF
143134 2002 XS_{37}	32.910	0.89	2	SWF
143156 2002 XC_{51}	3.855	0.80	2	SWF
143173 2002 XF_{67}	S 3.307149		2 p N	LCI-W
143181 2002 XU_{75}	4.822	0.68	2	SWF
143183 2002 XE_{77}	S 25.2486		2 p N	LCI-W
143186 2002 XP_{78}	3.085	0.09	1	SWF
143205 2002 XQ_{92}	6.49	0.55	2	SWF
143219 2002 YY_{3}	19.179	0.13	2 A	DWF
143241 2002 YV_{24}	12.3468	0.22	2	DWF
143243 2002 YA_{26}	7.688	0.28	3	
143264 2003 AW_{9}	4.25	0.23	2	SWF
143300 2003 AD_{39}	20.483	0.10	1	SWF
143308 2003 AQ_{41}	5.471	0.74	2	SWF
143312 2003 AB_{47}	5.56972	0.40	2	DWF
143332 2003 AD_{66}	5.527	0.81	2	SWF
143353 2003 AP_{86}	7.59482	0.23	2	DWF
143381 2003 BC_{21}	5.0678	1.05−1.43	3	
143404 2003 BD_{44}	78.64	0.47−1.05	2+ T?	
143405 2003 BE_{44}	22.5445	0.21	2	DWF
143409*2003 BQ_{46}	10.531	1.05−1.17	3	
143423 2003 BL_{56}	3.102	0.53	2	SWF
143437 2003 BY_{66}	5.42	0.46	2	SWF
143439 2003 BM_{67}	6.534	0.68	2	SWF
143446 2003 BY_{75}	121.136	0.29	2	DWF
143468 2003 CP_{3}	7.339	0.69	2	SWF
143489 2003 DS	3.30	0.33	1	SWF
143490 2003 DL_{3}	4.265	0.41−0.56	2	SWF
143550 2003 EC_{37}	4.91853	0.25	2	DWF
143590 2003 FU_{50}	54.2438	0.51	2	DWF
143615 2003 GK_{4}	18.038	0.34	2	SWF
143624 2003 HM_{16}	32.1	0.50	2	
143649 2003 QQ_{47}	3.679	0.19	2−	
143651 2003 QO_{104}	114.4	1.20−1.60	3 T?	
143659 2003 SR_{55}	18.18	0.30	2	SWF
143662*2003 SP_{84}	3.634	0.44	2+	
143678 2003 SA_{224}	35.	>0.24	2 ANT0	
143719 2003 UU_{177}	146.258	0.56	2	SWF
143721 2003 UB_{184}	5.76	0.44	2	SWF
143730*2003 UJ_{211}	34.765	0.49−0.80	2	SWF
143731 2003 UH_{213}	334.055	0.34	2	DWF
143794 2003 WY_{104}	11.374	0.44	2	SWF
143801 2003 WR_{116}	7.38128	0.48	2	DWF
143805*2003 WZ_{122}	23.8258	0.37	2 A	DWF
143818 2003 WF_{138}	5.250	0.75	2	SWF
143819 2003 WJ_{138}	31.7523	0.34	2	DWF
143844 2003 XW_{37}	8.76	0.80	2	SWF
143908 2003 YR_{65}	14.8241	0.20	2	DWF
143913 2003 YF_{74}	S 8.69302		2 p N	LCI-W
143915 2003 YC_{79}	6.994	0.43	2	SWF
143917 2003 YN_{79}	5.199	0.12	1+	SWF
143921 2003 YW_{85}	32.105		2−	SWF
143946 2003 YB_{117}	7.695	0.53	2	SWF
143950 2003 YR_{120}	17.105	0.62	2	SWF
143985 2003 YT_{153}	10.019	0.55	2 p	SWF
144012 2004 BM_{3}	96.0238	0.39	2 A	DWF
144033 2004 BO_{22}	4.368	0.43	2	SWF
144034 2004 BM_{23}	8.544	0.27	2	SWF
144039 2004 BL_{25}	2.11	0.20	2	SWF
144054 2004 BM_{34}	10.605	0.79	2	SWF
144060 2004 BR_{41}	288.389	0.29	2	DWF
144067 2004 BP_{44}	5.49	1.19	2	SWF
144082 2004 BP_{51}	2.46	0.26	2	SWF
144093 2004 BZ_{56}	5.652	0.94−1.05	3	SWF
144099 2004 BO_{61}	8.70	0.67	2	SWF
144106 2004 BW_{70}	6.08	0.35	2	SWF
144117 2004 BU_{79}	214.506	0.48	2	DWF
144135 2004 BE_{90}	8.839	0.60	2	SWF
144145 2004 BT_{93}	10.474	0.33	2	SWF
144147 2004 BE_{94}	6.923	0.88	2	SWF
144159 2004 BH_{100}	6.96	0.42	2	SWF
144164 2004 BY_{103}	>5.40	>0.15		SWF
144206 2004 CB_{9}	26.130	0.78	2	SWF
144237 2004 CA_{73}	12.792	0.52	2	SWF
144243 2004 CA_{76}	>3.72	>0.23		SWF
144296 Steviewonder	7.99007	0.67	2	DWF
144298 2004 DY	10.7314	0.35	2	DWF
144299 2004 DA_{3}	2.6507	0.16	2	DWF
144332 2004 DV_{24}	7.985	1.17	3−	
144333 Marcinkiewicz	15.18	0.20	2−	SWF
144349 2004 DU_{36}	14.1898	0.15	2	DWF
144410 2004 EF_{9}	8.25	0.30	1	SWF
144411 2004 EW_{9}	49.94	0.9 −1.9	3 T-	

Planet	Period	Variation	Note	Survey
144479 2004 EW_{57}	1.92092	0.24	2	DWF
144514 2004 ET_{75}	90.7589	0.24	2	DWF
144524 2004 ER_{79}	>1.73	>0.13		SWF
144525 2004 EF_{80}	2.67088	0.21	2	DWF
144543 2004 EV_{94}		0.84		SWF
144564 2004 FE_{13}	138.112	0.87	2	SWF
144569 2004 FO_{14}	3.50	0.22	2	SWF
144590 2004 FM_{41}	13.9481	0.76	2	DWF
144613 2004 FJ_{58}	>4.88	>0.29		SWF
144637 2004 FS_{90}	6.622	0.39	2	SWF
144726 2004 GN_{35}	2.71736	0.25	2 1	DWF
144743 2004 GD_{61}	>1.45	>0.23		SWF
144806 2004 HC_{61}	S 71.958		2 p N	LCI-W
144854 2004 KA_{10}	>1.12	>0.24		SWF
144881 2004 RM_{99}	187.592	0.67	2	SWF
144883 2004 RM_{110}	26.2049	0.34	2	DWF
144896 2004 TT_{308}	4.30	0.94	2	SWF
144897 2004 UX_{10}	5.68	0.08−0.10	2	
144898*2004 VD_{17}	3.369	0.19−0.21	2	
144901*2004 WG_{1}	8.06	0.55−0.65	2	
144906 2004 XE_{128}	3.83	0.43	2	SWF
144911 2005 AS_{27}	9.04091	0.28	2 1	DWF
144919 2005 BA_{27}	5.164	0.49	2	SWF
144922 2005 CK_{38}	4.7894	0.27	3	
144924 2005 CX_{48}	5.92817	0.40	2	DWF
144952 2005 EC_{38}	7.634	0.55	2	SWF
144972 2005 EM_{119}	64.306	0.72	2	SWF
144974 2005 EH_{125}	246.672	0.73	2	SWF
144977 2005 EC_{127}	1.65	0.48−0.50	3	
144997 2005 EH_{196}	6.192	0.52	2	SWF
145003 2005 EZ_{205}	5.224	0.54	2	SWF
145016 2005 EE_{242}	12.5673	0.23	2	DWF
145046 2005 GD_{2}	35.8876	1.49	2	DWF
145064 2005 GD_{23}	4.892	0.45	2+	SWF
145074 2005 GO_{33}	39.2259	0.23	2	DWF
145087 2005 GK_{54}	>2.70	>0.25		SWF
145092 2005 GR_{66}	20.051	0.70	2	SWF
145097 2005 GU_{74}	>1.10	>0.21		SWF
145098 2005 GJ_{86}	4.12	0.33	2	SWF
145105 2005 GW_{101}	6.23	0.53	2	SWF
145109 2005 GL_{113}	>4.98	>0.35		SWF
145127 2005 GL_{147}	2.93	0.43	1	SWF
145137 2005 GW_{162}	6.353	0.38	2	SWF
145195 2005 JM_{30}	>2.82	>0.67		SWF
145292 2005 JA_{179}	298.432	0.33	2	DWF
145324 2005 LE_{25}	8.81	0.87	2	SWF
145342 2005 MS_{9}	187.409	0.22	2	DWF
145376 2005 NA_{6}	7.307	0.38	2	SWF
145387 2005 NV_{18}	4.81	0.59	2	SWF
145410 2005 NN_{87}	3.06	0.19	2	SWF
145425 2005 QP_{39}	200.	0.6	2−	
145440*2005 QU_{143}	11.724	0.33−0.60	2	SWF
145443 2005 QR_{165}	30.547	0.49	2	SWF
145451 2005 RM_{43}	6.71	0.04−0.05	2 1	
145452 2005 RN_{43}	6.95	0.04−0.06	2 1A	
145453 2005 RR_{43}	7.87	0.06	2− 1	
145480 2005 TB_{190}	12.68	0.12	2 1	
145482 2005 UD_{130}	4.138	0.43	2	SWF
145486 2005 UJ_{438}	8.32	0.13	2− A	
145508 2006 DO_{50}	200.827	0.29	2	DWF
145509 2006 DX_{65}	4.882	0.53	2	SWF
145534 Jhongda	4.49	0.67	2	SWF
145553 2006 LN_{5}	103.342	0.56	2	SWF
145583 2006 PB_{14}	4.87003	0.41	2	DWF
145620 2006 QE_{94}	5.23	0.82	2	SWF
145635 2585 $P–L$	6.905	0.25	3	SWF
145646 4170 $P–L$	2.27	0.17	1+	SWF
145647 4193 $P–L$	13.926	0.17	2	SWF
145658 6596 $P–L$	9.124	0.61	2	SWF
145677 2172 $T–2$	8.05537	0.49	2	DWF
145703 4389 $T–3$	1.73476	0.21	2	DWF
145710 1989 SF_{3}	16.347	0.40	2	SWF
145712 1991 BQ_{1}	7.35184	0.94	2	DWF
145727 1994 PL_{29}	1084.883	0.06	1	SWF
145745 1995 UT_{13}			HN	DWF
145766 1997 MX	20.2746	0.24	2 A	DWF
145788 1998 QZ_{18}	7.40521	0.22	2	DWF
145789 1998 QJ_{31}			HN	DWF
145811 1998 ST_{104}	4.506	0.63−0.72	2	SWF
145813 1998 SJ_{125}	85.4573	0.56	2	DWF

Planet	Period	Variation	Note	Survey
145814 1998 SD_{140}	7.698	0.30	2	SWF
145825 1998 UE_{42}	8.4207	0.22	2 A	DWF
145886 1999 TY_{98}	>2.37	>0.19		SWF
145898 1999 TT_{192}	6.570	0.25−0.28	2	SWF
145907 1999 TX_{272}	>3.72	>0.33		SWF
145931 1999 XO_{5}	>1.0	>0.08		SWF
145939 1999 XF_{61}	3.68	0.24−0.30	2	SWF
145946 1999 XL_{151}			HN	DWF
145962 Lacchini	4.1180	0.12	2 3	
145970 2000 AA_{34}	6.271	0.89	2	SWF
145971 2000 AG_{38}	>0.92	>0.30		SWF
145982 2000 AG_{161}	4.636	0.42	2	SWF
145986 2000 AF_{225}			HN	DWF
146010 2000 CN_{78}	7.16	0.93	2	SWF
146021 2000 DB_{4}			HN	DWF
146042 2000 ET_{4}	8.66	0.29	2	
146047 2000 EC_{17}	11.475	0.71−0.73	2	SWF
146049 2000 EK_{30}	3.743	0.40	2	SWF
146076 2000 GR_{158}	>4.35	>0.15		SWF
146078 2000 GT_{169}	2.23	0.37	2	SWF
146094 2000 KD_{83}	66.196	0.58	2	SWF
146112 2000 QW_{176}	28.1808	0.14	2	DWF
146130 2000 RG_{93}	5.086	0.60	2	SWF
146134 2000 SE_{1}	21.762	0.71	2	SWF
146148 2000 SN_{132}	5.51019	0.39	2	DWF
146156 2000 SG_{158}	4.29834	0.21	2	DWF
146158 2000 SF_{169}	48.6724	0.22	2	DWF
146179 2000 SY_{309}	6.12123	0.31	2	DWF
146217 2000 VX_{50}	S 6.81211		2 p N	
146218 2000 VN_{52}	105.088	0.20	2	DWF
146222 2000 WX_{3}	32.6933	0.17	2	DWF
146231 2000 WX_{101}	33.0195	0.18	2	DWF
146237 2000 WP_{154}	24.0669	0.15	2	DWF
146242 2000 XQ_{2}	8.64404	0.30	2	DWF
146247 2000 XU_{23}	5.226	0.69	2	SWF
146253 2000 YB_{50}	7.20357	0.46	2	DWF
146266 2001 CY	4.52809	0.41	2	DWF
146277 2001 FJ_{49}	23.9234	0.20	2	DWF
146285 2001 FZ_{145}	13.2477	0.37	2	DWF
146308 2001 KJ_{28}	3.22993	0.10	2	DWF
146322*2001 LM_{17}	3.213	0.34−0.56	2	SWF
146345 2001 OJ_{73}	4.983	0.55	2	SWF
146348 2001 OF_{93}	28.3998	0.14	2	DWF
146349 2001 OX_{96}	29.2115	0.27	2	DWF
146354 2001 OK_{106}	5.859	0.67	2	SWF
146365 2001 PC_{32}	395.114	0.92	2	DWF
146373 2001 QM_{3}	17.2279	0.49	2	DWF
146380 2001 QV_{50}	40.0899	0.12	2	DWF
146447 2001 RU_{8}	84.0563	0.51	2	DWF
146451 2001 RP_{26}			HN	DWF
146467 2001 RX_{63}	3.232	0.06	1	SWF
146477 2001 RG_{103}	9.076	0.31	2	SWF
146487 2001 RQ_{151}	3.79	1.18	3−	SWF
146537 2001 SP_{231}	5.83	0.29	2	SWF
146565 2001 TU_{21}	7.76302	0.40	2	DWF
146579 2001 TF_{88}	6.956	0.77	2	SWF
146630 2001 UU_{23}	9.386	0.68	2	SWF
146631*2001 UJ_{34}	8.814	0.32−0.75	2	SWF
146648 2001 UM_{80}	54.8148	0.43	2	DWF
146713 2001 WZ_{26}	2.93412	0.46	2	DWF
146716 2001 WA_{51}	5.65	1.20	2+	SWF
146717 2001 WU_{62}	28.627	0.57	2	SWF
146719 2001 WQ_{83}	>0.78	>0.31		SWF
146732 2001 XH_{51}			HN	DWF
146828 2001 YL_{155}	4.062	0.77	2	SWF
146870 2002 AT_{181}	8.670	0.76	2	SWF
146872 2002 AE_{191}	4.81729	0.49	2	DWF
146883 2002 CF_{24}	5.158	0.45	2	SWF
146884 2002 CL_{24}	5.09462	0.47	2	DWF
146891 2002 CY_{40}	110.265	0.69	2	DWF
146918 2002 CT_{225}	115.657	0.83	2	SWF
146925 2002 CM_{265}	>1.15	>0.14		SWF
146936 2002 DE_{6}	5.42518	0.27	2	DWF
146959 2002 FA_{40}	9.42244	0.43	2	DWF
146965 2002 JS_{116}	7.488	0.71	2	SWF
146975 2002 NF_{26}	111.340	0.09	1	SWF
147024 2002 RW_{7}	2.565	0.22	2	SWF
147037 2002 RZ_{51}	4.234	0.40	2	SWF
147041 2002 RE_{65}		0.61		SWF
147057 2002 RY_{106}	2.68	0.63	2	SWF

Planet	Period	Variation	Note	Survey
147088 2002 SQ_{50}	7.193	0.22	2	SWF
147133 2002 TO_{203}	22.4692	0.25	2	DWF
147195 2002 VM_{92}	12.0756	0.38	2	DWF
147199 2002 VU_{105}	4.1632	0.26	2	DWF
147201 2002 VL_{113}	7.471	0.33	2	SWF
147213 2002 WX_{13}			HN	DWF
147224 2002 XB_{31}	65.4265	0.31	2 1	DWF
147237 2002 XC_{54}	21.8486	0.19	2	DWF
147241 2002 XW_{62}	105.507	0.57−0.67	2	SWF
147255 2002 XX_{88}	79.6961	0.18	2	DWF
147269 2002 YP_{16}	5.52	0.24	2	SWF
147270 2002 YT_{16}	18.46	0.21	2	SWF
147276 2002 YZ_{29}			HN	DWF
147277 2002 YC_{31}	3.502	0.10	1	SWF
147281 2002 YG_{35}	15.2415	0.04	2	DWF
147302 2003 AS_{62}	42.687		2−	SWF
147306 2003 AH_{73}	18.2643	0.28	2	DWF
147307 2003 AH_{78}	8.78188	0.21	2	DWF
147322 2003 BC_{15}	11.334	0.09	1	SWF
147323 2003 BG_{15}	39.0009	0.19	2	DWF
147340 2003 BC_{57}	3.74593	0.36	2	DWF
147344 2003 BK_{67}	S 5.18587		2 p N	LCI-W
147347 2003 BL_{71}	8.28	0.31	2	SWF
147366 2003 CZ_{18}	6.52018	0.70	2	DWF
147395 2003 EE_{62}	S 31.0271		2 p N	LCI-W
147397 Bobhazel	>5.33	>0.22		SWF
147412 2003 FN_{79}	63.286	0.49	2	DWF
147448 2003 YT_{136}		0.51		SWF
147458 2004 BY_{42}	>1.5	>0.30		SWF
147476 2004 CK_{24}	6.71	0.61	2	SWF
147490 2004 CM_{75}	29.9	0.20	1	SWF
147501 2004 CJ_{103}	2.62401	0.13	2	DWF
147504 2004 CU_{105}	62.3932	0.18	2	DWF
147518 2004 DT_{37}	30.7261	0.24	2	DWF
147545 2004 EA_{50}	>1.90	>0.24		SWF
147548 2004 EY_{59}	4.71	0.19	2	SWF
147549 2004 EO_{61}	401.704	0.35	2	DWF
147560*2004 FN_{25}	261.904	0.25−0.86	2	SWF
147574 2004 FC_{67}	3.026	0.26−0.36	2	SWF
147576 2004 FA_{94}	3.84	0.21	2	SWF
147616 2004 HS_{9}			HN	DWF
147631 2004 HH_{52}	12.3024	0.24	2	DWF
147667 2004 KU_{9}	98.1146	0.35	2	DWF
147669 2004 KG_{15}	397.384	0.42	2	DWF
147716 2005 KY_{12}	6.950	0.70	2	SWF
147735 2005 NE	8.04484	0.37	2	DWF
147785 2005 QE_{146}	5.06741	0.45	2	DWF
147793 2005 RK_{2}	201.256	0.30	2 1	DWF
147833 2005 TW_{49}	5.809	0.69	2	SWF
147880*2006 QV_{113}	2.78867	0.04−0.07	1+	DWF
147886 2006 RJ_{19}	21.429		2−	SWF
147887 2006 RY_{26}	4.6566	0.80	3	SWF
147903 2006 SE_{61}	4.50	0.33	2	SWF
147928 2006 VW_{137}	44.973	0.62	2	SWF
147937 1038 $T-2$	5.356	0.52−0.58	2	SWF
147946 4084 $T-3$	13.404	0.56	2	SWF
147995 1996 GX_{15}	74.1835	0.14	2	DWF
148043 1998 SF_{25}	3.610	0.40	2	SWF
148062 1998 UB_{5}			HN	DWF
148085 1999 CW_{46}	>5.48	>0.33		SWF
148103 1999 RO_{57}	134.905	0.45	2	DWF
148107 1999 RR_{144}	4.704	0.53	2	SWF
148109 1999 RC_{167}	6.36725	0.51	2	DWF
148120 1999 TK_{85}	36.452	0.96	2	SWF
148150 1999 XK_{79}	4.106	0.60	2	SWF
148189 2000 BE_{22}	2.57	0.37	1	SWF
148200 2000 CH_{69}			HN	DWF
148203 2000 CW_{88}	4.803	0.74	2	SWF
148208 2000 CD_{101}	6.91	0.24	2	SWF
148249 2000 EO_{125}	5.63	0.97	3−	
148264 2000 FS_{34}	4.665	0.53	2	SWF
148319 2000 QO_{32}	46.7819	0.32	2	DWF
148376 2000 SX_{195}	10.80	0.67	2	SWF
148390 2000 TU_{37}	264.367	0.13	2	DWF
148422 2000 WE_{108}	2.74	0.20	2	SWF
148428 2000 WV_{160}	4.191	0.26	2	SWF
148429 2000 WM_{165}	>1.50	>0.17		SWF
148449 2000 YQ_{5}	26.6977	0.54	2	DWF
148467 2001 BF_{68}			HN	DWF
148509 2001 ON_{58}	16.55	0.69	2	SWF
148521 2001 PL_{46}	13.5023	0.36	2 1	DWF
148539 2001 QH_{102}	5.45	0.41	2	SWF
148552 2001 QR_{159}	3.357	0.50	2	SWF
148554 2001 QR_{163}	17.665	0.56	2	SWF
148558 2001 QQ_{194}	3.752	0.40	2	SWF
148561 2001 QO_{215}	6.42	0.95	2	SWF
148567 2001 QK_{236}	4.9	0.28	2	
148577 2001 QV_{284}	32.0318	0.22	2	DWF
148598 2001 RT_{40}	2.78571	0.24	2	DWF
148679 2001 SB_{215}	19.383	0.45	2	SWF
148683 2001 SG_{227}	33.80	0.67	2	SWF
148730 2001 TJ_{87}	8.21963	0.46	2 A	DWF
148740 2001 TS_{115}	92.743	0.42	2	SWF
148763 2001 TK_{225}	7.80	1.03	2	SWF
148780 Altjira		<0.3	B	
148816 2001 UB_{124}	11.7021	0.19	2	DWF
148844 2001 VA_{22}	3.1961	0.5	1 N	
148862 2001 VD_{66}	216.835	0.11	2	DWF
148985 2001 YF_{43}	8.60	0.36	1 DA	SWF
149015 2002 AY_{52}	4.18264	0.30	2	DWF
149106 2002 CD_{206}	261.164	0.87	2	SWF
149114 2002 CX_{259}	4.196	0.69	2	SWF
149135 2002 EX_{70}	50.555	0.36	2	SWF
149155 2002 FF_{12}	>9.	>0.15	1	
149180 2002 JD_{60}	89.5462	0.67	2	DWF
149182 2002 JX_{69}	2.8950	0.30	1 NA	
149183 2002 JV_{75}	>1.78	>0.17		SWF
149187 2002 JQ_{120}			HN	DWF
149199 2002 PH_{37}	5.13	0.58−0.73	2	SWF
149201 2002 PC_{44}	5.588	0.10	1	SWF
149259 2002 TQ_{29}	11.50	1.10	3	SWF
149265 2002 TH_{53}	4.02	0.31	2	SWF
149278 2002 TS_{118}	16.2768	0.26	2	DWF
149347 2002 VN_{127}	5.324	0.64	2	SWF
149348*2002 VS_{130}		0.10	N	
149360 2002 XD_{36}	3.63243	0.59	2	DWF
149379 2002 XE_{99}	8.449	0.73	2	SWF
149385 2002 YS_{23}	3.316	0.28−0.29	2	SWF
149387 2003 AZ_{4}	7.071		2−	SWF
149391 2003 AE_{11}	8.00902	0.28	2	DWF
149405 2003 AD_{57}	2.97	0.28	2	SWF
149420 2003 BC_{18}	50.0119	0.31	2	DWF
149445 2003 CQ_{5}	8.274	0.67	2	SWF
149449 2003 CE_{10}	5.493	0.15	2	SWF
149459 2003 DC_{20}	124.71	0.17	2	DWF
149466 2003 EP_{8}	5.67214	0.42	2	DWF
149517 2003 FF_{74}	6.901	0.75	2	SWF
149612 2004 EO_{7}	109.313	0.80	2	SWF
149646 2004 FX_{34}	3.930	0.17	3	
149649 2004 FR_{43}	>0.92	>0.49		SWF
149686 2004 GB_{35}	>72.	>1.	2 HN	DWF
149692 2004 HM_{2}	176.608	0.29	2	DWF
149729 2004 KA_{4}	>0.85	>0.36		SWF
149759 2004 PR_{69}	53.5349	0.42	2	DWF
149845 2005 PE_{20}	18.8707	0.19	2	DWF
149853 2005 QX_{26}			HN	DWF
149868 2005 QH_{95}	11.43	0.68	2	SWF
149896 2005 SD_{1}	5.311	0.87	2	SWF
149913 2005 SU_{73}	4.25	0.38	2	SWF
149918 2005 SU_{105}	26.0345	0.17	2	DWF
149931 2005 SY_{155}			HN	DWF
150008 2005 UD_{216}	>1.15	>0.20		SWF
150024 2005 UM_{493}	351.937	0.29	2	DWF
150028*2005 VH_{33}	66.402	0.72−0.92	2	SWF
150030 2005 VD_{60}	S 8.61270		2 p N	LCI-W
150041 2005 WO_{163}	27.7787	0.63	2	DWF
150044 2005 WX_{187}	83.7054	0.26	2	DWF
150080 2006 UV_{9}	4.728	0.63	2	SWF
150103 4262 $T-3$	6.708	0.32	2	SWF
150140 1995 YF_{6}	17.230	0.18	2	SWF
150198 1998 RE_{25}	5.52	0.83	2	SWF
150215 1998 SP_{111}	3.763	0.51−0.53	2	SWF
150223 1998 TT_{22}	>2.75	>0.30		SWF
150235 1998 XO_{18}	9.58658	0.25	2	DWF
150236 1998 XV_{19}	120.735	0.28	2	DWF
150261 1999 RC_{68}	6.630	0.33	2	SWF
150266 1999 RZ_{137}	5.298	0.30	2	SWF
150273 1999 RA_{233}	19.018	0.47	2	SWF
150274 1999 SS	>1.35	>0.13		SWF
150324 1999 VM_{107}			HN	DWF

Planet	Period	Variation	Note		Survey	Planet	Period	Variation	Note		Survey
150370 2000 CG_{65}	16.6	0.54−0.76	2			152274 2005 SD_{231}	15.4681	0.18	2		DWF
150382 2000 DK_{48}	>0.97	>0.34			SWF	152291 2005 TD_{24}	S 6.50572		2	p N	LCI-W
150383 2000 DX_{50}	3.12	0.43	2		SWF	152343 2005 UW_{73}	58.2694	0.23	2		DWF
150398 2000 EC_{59}	8.36	0.35	1+		SWF	152344 2005 UY_{75}	5.276	0.79	2		SWF
150438 2000 GG_{117}	>1.33	>0.30			SWF	152361 2005 UX_{140}	S 3.66232		2	p N	
150441 2000 GU_{118}				HN	DWF	152387 2005 UD_{226}	>4.35	>0.26			SWF
150483 2000 PQ_{4}	4.498	0.57	2		SWF	152434 2005 UV_{438}	186.984	0.40	2		SWF
150544 2000 SG_{164}	7.626	0.27	2		SWF	152439 2005 UP_{446}	6.462	1.11	2		SWF
150563 2000 ST_{276}	5.10799	0.19	2		DWF	152459 2005 VG_{15}	44.7055	0.21	2		DWF
150608 2000 XG_{40}	9.003	0.55	2		SWF	152463 2005 VE_{77}	3.692	0.48	2		SWF
150626 2001 AG_{7}	7.948	0.52	2		SWF	152475 2005 WD_{10}	6.32	1.10	2		SWF
150634 2001 BY_{25}	12.441	0.52	2		SWF	152510 2005 XA_{64}	10.085	0.48	2		SWF
150642 2001 CZ_{31}	4.71	0.21	2	A		152558 1990 SA	8.147	0.14	3−		
150662 2001 HG_{37}	51.5794	0.20	2		DWF	152559 Bodelschwingh	34.0215	0.36	2		DWF
150672 2001 MJ_{28}	6.76014	0.50	2		DWF	152560 1991 BN	3.49	0.15	2		
150682 2001 OS_{49}	11.4218	0.19	2	1	DWF	152563*1992 BF	32.	0.6	1		
150756 2001 QB_{148}	50.3962	0.23	2		DWF	152564 1992 HF	3.276	0.13	2+		
150761 2001 QA_{180}	20.1838	0.10	2		DWF	152575 1994 GY	16.28	0.34	2+		
150777 2001 QW_{263}	51.1825	0.72	2		DWF	152588 1995 EY_{4}	3.73	0.69	2		SWF
150779 2001 QO_{268}	84.2368	0.27	2		DWF	152599 1995 UX_{10}	2.90	0.21	2		SWF
150789 2001 RM_{31}	5.242	0.61−0.78	2		SWF	152613 1996 FH_{14}	>3.72	>0.45			SWF
150854 2001 SG_{110}	6.176	0.86	2		SWF	152623 1996 XL_{12}	21.2991	0.19	2		DWF
150857 2001 SF_{120}	5.594	0.61	2		SWF	152641 Fredreed	18.28	0.46	1+	DA	SWF
150875 2001 SD_{213}	20.557	0.68	2		SWF	152642 1997 RV_{9}	104.14	0.43	2	A	DWF
150887 2001 SY_{248}				HN	DWF	152650 1997 VR_{5}	144.258	0.29	2		DWF
150896 2001 SC_{290}	8.28	0.56	2		SWF	152664 1998 FW_{4}	17.38	0.34	3	T0	
150922 2001 TK_{61}	>5.40	>0.28			SWF	152673 1998 HU_{14}	5.57	0.42	2		SWF
150925 2001 TT_{62}	4.92434	0.67	2		DWF	152679 1998 KU_{2}	125.	1.35	2	T	
150974 2001 TP_{196}	7.14873	0.20	2		DWF	152706 1998 SU_{54}	120.611	0.28	2		DWF
150975 2001 TV_{196}	5.11	1.10	3		SWF	152719 1998 TQ_{13}				HN	DWF
150985 2001 TB_{235}	6.29264	0.75	2		DWF	152754 1999 GS_{6}	8.021	0.20	2		
151035 2001 UQ_{179}	6.22838	0.19	2		DWF	152756 1999 JV_{3}	2.845	0.32	3		
151036 2001 UE_{182}	4.974	0.36	2		SWF	152764 1999 LJ_{10}	27.624	0.33	2		DWF
151057 2001 VO_{14}	20.631	0.6	1	NA		152779 1999 RL_{169}	3.968	0.52	2		SWF
151062 2001 VP_{28}	5.632	0.79−1.13	2		SWF	152786 1999 TS	54.7833	0.30	2		DWF
151063 2001 VH_{29}	>4.25	>0.14			SWF	152809 1999 TU_{197}	>1.65	>0.52			SWF
151073 2001 VF_{50}	130.037	0.22	2		DWF	152847 1999 VZ_{156}	8.963	0.34	2		SWF
151091 2001 VF_{95}	17.413	0.16	2		DWF	152858 1999 XN_{35}	2.990	0.18	2+		
151097 2001 VN_{108}	30.580	0.88	2		SWF	152863 1999 XZ_{114}	130.446	0.50	2		SWF
151113 2001 WG_{32}	8.76	0.70	1	DA	SWF	152876 2000 AZ_{82}	4.095	0.51	3		SWF
151138 2001 XL_{40}	3.782	0.22	2		SWF	152914 2000 DK_{103}	>1.35	>0.14			SWF
151143 2001 XQ_{47}	44.7891	0.21	2		DWF	152919 2000 EU_{21}	10.9527	0.16	2		DWF
151220 2001 YU_{68}	18.881	0.25	2		SWF	152926 2000 EJ_{76}	43.	0.70	2−		SWF
151231 2001 YT_{114}	48.2881	0.16	2		DWF	152931*2000 EA_{107}	4.1367	0.28−0.29	3	B?	
151267 2002 AY_{124}	21.2787	0.16	2		DWF	152952 2000 GC_{2}	4.179	0.14	2+		
151278*2002 AK_{183}	21.682	0.53−0.86	2		SWF	152978 2000 GJ_{147}	13.22	0.47	2		
151293*2002 CN_{26}	8.252	0.29−0.47	2		SWF	153002 2000 JG_{5}	6.051	0.85−0.91	3		
151316 2002 CE_{118}	3.60	0.28	2		SWF	153018 2000 KN_{41}	4.62	0.74−0.86	2		SWF
151357 2002 CN_{304}	5.601	0.63	2		SWF	153027 2000 OP	2.19	0.62	2		SWF
151393 2002 ET_{79}	3.63	0.31	2		SWF	153029 2000 OT_{37}	32.484	0.23	2		DWF
151434 2002 FK_{38}	6.35	0.69	2		SWF	153042 2000 QP_{14}	3.15	0.20	2		SWF
151507 2002 MK_{1}	14.5965	0.32	2		DWF	153043 2000 QN_{25}	2.30767	0.60	2		DWF
151540 2002 SR_{14}	5.87	0.66	2		SWF	153103 2000 ST_{32}	2.76	0.36	2		SWF
151566 2002 TJ_{169}	4.066	0.46	2		SWF	153110 2000 SB_{66}	6.602	0.57	2		SWF
151576 2002 TJ_{242}	14.2929	0.21	2		DWF	153115 2000 SK_{72}	6.479	0.83	2		SWF
151583 2002 TL_{280}	64.8819	0.21	2		DWF	153123 2000 SW_{98}	6.336	0.31	2		SWF
151589 2002 UK_{40}	2.1297	0.27	2		DWF	153132 2000 SW_{161}	13.1127	0.17	2		DWF
151592 2002 VX_{11}	5.89	0.80	2		SWF	153144 2000 SY_{230}	183.829	0.66	2		SWF
151632 2002 XC_{4}	17.780		2−		SWF	153185 2000 UJ_{73}	4.15581	0.32	2		DWF
151652 2002 XF_{93}				HN	DWF	153214 2000 XP_{51}	4.53652	0.46	2		DWF
151658 2002 YK	96.847	0.48	2		SWF	153216 2000 YR_{19}	S 41.4211		2	p N	LCI-W
151748 2003 DY_{16}	122.127	0.19	2		DWF	153255 2001 BQ_{53}	8.201	0.88	2		SWF
151772 2003 EW_{25}	53.6356	0.19	2		DWF	153281 2001 DF_{56}	>3.72	>0.21			SWF
151775 2003 EV_{34}	5.583	0.62	2		SWF	153381 2001 QU_{24}				HN	DWF
151780 2003 EX_{47}	3.27594	0.40	2		DWF	153399 2001 QC_{109}	99.3271	0.26	2		DWF
151801 2003 FK_{57}	4.32	0.86	3−		SWF	153412 2001 QR_{145}	4.36	0.45	2		SWF
151815 2003 FH_{89}				HN	DWF	153415 2001 QP_{153}	4.452	0.27	1		
151827 2003 FX_{106}	4.280	0.63	2		SWF	153426 2001 QO_{208}	2.75	0.17	2		SWF
151880 2003 SF_{151}	308.177	0.44	2		DWF	153444 2001 QU_{259}	95.8333	0.16	2	A	DWF
151957 2004 GE_{14}	20.43	0.45	2		SWF	153462 2001 RE_{2}	11.16	0.43−0.7	2		
152038 2004 OW_{12}	4.205	0.76	2		SWF	153498 2001 RL_{119}	1.76698	0.25	2		DWF
152063 2004 PH_{90}	9.22339	0.38	2		DWF	153501 2001 RG_{126}	10.674	1.01	2		SWF
152066 2004 PT_{108}	1.42	0.60	1+		SWF	153506 2001 RC_{133}	102.251	0.60	2		DWF
152131 2004 TW_{117}	>5.33	>0.55			SWF	153517 2001 SO_{14}	6.705	0.68−0.77	2		SWF
152145 2005 JW_{112}	4.91152	0.54	2		DWF	153518 2001 ST_{14}	14.29	0.38	2		SWF
152202 2005 QE_{143}	10.130	0.48	2		SWF	153527 2001 SM_{47}	3.25417	0.12	2		DWF
152206 2005 QW_{168}	171.152	0.37	2		DWF	153584 2001 SS_{245}	>1.35	>0.12			SWF
152212 2005 RG	7.27	0.54	2		SWF	153591 2001 SN_{263}	3.423	0.13−0.27	3	p M	
152258 2005 SZ_{129}	52.654		2−		SWF	153615 2001 TM_{11}	4.006	0.45	2		SWF
152266 2005 SV_{180}	4.12	0.44	2		SWF	153633 2001 TM_{64}	3.98	0.47	2		SWF

Planet	Period	Variation	Note		Survey
153634 2001 TS_{65}	9.14	0.31	2		SWF
153649*2001 TJ_{102}	3.522	0.23−0.41	2		SWF
153652 2001 TC_{103}	3.0681	0.19	3		
153654 2001 TB_{113}	4.47	0.51	2		SWF
153658 2001 TL_{134}	14.4389	0.17	2		DWF
153663 2001 TL_{152}	>5.48	>0.21			SWF
153672 2001 TO_{189}	28.24	0.66	2		SWF
153681 2001 TC_{209}	4.41079	0.18	2		DWF
153695 2001 US_{35}	18.61	0.34	1	NA	
153720 2001 UL_{105}	10.83	0.47	2		SWF
153729 2001 UW_{122}	>8.	>0.1	1		SWF
153748 2001 UB_{161}	5.55	1.10	2		SWF
153769 2001 VJ_{29}	6.32	0.60	2−		SWF
153771 2001 VV_{33}	96.0746	0.12	2	A3	DWF
153793 2001 VF_{78}	6.932	0.37	2		SWF
153797 2001 VH_{95}	3.53	0.22	2+		SWF
153804 2001 VO_{113}	6.86	0.47	2		SWF
153806 2001 VC_{116}	>3.72	>0.44			SWF
153814 2001 WN_{5}	4.253	0.16−0.63	3	3	
153822 2001 WH_{37}	5.6388	0.18	1	NA	
153839 2001 XS_{20}	3.750	0.57	2		SWF
153842 2001 XT_{30}	17.95	0.25	2+		
153858 2001 XE_{64}	6.71	0.33	3−		SWF
153860 2001 XE_{65}	>1.92	>0.06			SWF
153879 2001 XY_{141}	2.3455	0.13	1	NA	
153881 2001 XH_{148}	5.13	0.41	2		SWF
153884 2001 XO_{158}	6.506	0.70	2		SWF
153890 2001 XL_{188}	6.509	0.43	2		SWF
153892 2001 XE_{196}	11.075	0.68	2		SWF
153927 2001 YT_{59}	56.867	0.42	2		SWF
153937 2001 YG_{97}	16.313	0.22	1	NA	
153951 2002 AC_{3}	7.072	0.73−1.09	3		
153952 2002 AZ_{5}	5.50	0.60	1	DA	SWF
153955 2002 AA_{20}	5.76402	0.28	2		DWF
153957 2002 AB_{29}	2.415	0.17−0.28	2	A	
153958 2002 AM_{31}	2.8174	0.09−0.25	3	B	
153987 2002 AS_{150}	6.08	0.36	1+		SWF
153998 2002 AC_{181}	28.8673	0.24	2		DWF
154007 2002 BY	14.91	>0.10	1		
154026 2002 CW_{38}	10.709	0.28	2		SWF
154029 2002 CY_{46}	2.554	0.07	3		
154058 2002 CX_{161}	4.927	0.32	2		SWF
154134 2002 ET_{111}	9.690	0.31	2		SWF
154152*2002 GX_{3}	20.558	0.54−0.90	2		SWF
154168 2002 GH_{67}	133.563	0.43	2		DWF
154186 2002 GV_{121}	22.794	0.79	2		SWF
154216 2002 JR_{55}	186.804	0.40	2		DWF
154229 2002 JN_{97}	4.48468	0.18	2		DWF
154232 2002 JC_{104}	6.836	0.47	2		SWF
154244 2002 KL_{6}	4.6063	0.39−1.15	3	p	
154251 2002 LB_{5}	>0.98	>0.25			SWF
154267 2002 RK_{107}	4.06907	0.29	2		DWF
154275 2002 SR_{41}	2.283	0.10−0.16	2+		
154276 2002 SY_{50}	4.823	0.52	3		
154278 2002 TB_{9}	7.85	1.02	2+		
154330 2002 VX_{94}	8.932	0.65	2		SWF
154337 2002 VV_{121}	9.717	0.54	2		SWF
154347 2002 XK_{4}	3.319	0.08	3		
154367 2002 XE_{71}	8.694	0.52	2		SWF
154382 2002 YS_{26}	7.666	0.66−0.73	2		SWF
154416 2003 BF_{21}	5.243	0.45	2		SWF
154428 2003 BE_{48}	15.945	0.49−0.61	2		SWF
154453 2003 CJ_{11}	5.23	0.08	2		
154475 2003 EU_{2}	13.15	0.50	2		SWF
154487 2003 EZ_{35}	5.75	0.56	2		SWF
154503 2003 FQ_{35}	5.032	0.70	2		SWF
154508 2003 FC_{49}	5.96	0.71	2+		SWF
154555 2003 HA	5.183	0.28−0.36	3		
154558 2003 HR_{8}	19.065	0.18	2		DWF
154589 2003 MX_{2}	1.611	0.63	1+		
154613 2003 SJ_{56}	179.485	0.31	2	1	DWF
154623 2003 SU_{238}	>4.35	>0.34			SWF
154634 2003 XX_{38}	2.950	0.11	2−		
154639 2003 YJ_{90}	22.591	0.46	2		SWF
154704 2004 JT_{19}	8.24	0.75	1	DA	SWF
154709 2004 KR	>0.68	>0.14			SWF
154713 2004 LA_{2}	8.89	0.51	2		SWF
154737 2004 NM_{16}	149.776	0.32	2		DWF
154740 2004 NO_{23}	59.3155	0.28	2		DWF
154752 2004 PL_{4}	5.421	0.55	2		SWF
154807 2004 PP_{97}	161.	0.96	2	T?	
154837 2004 RW_{29}	7.21	0.72	2		SWF
154852 2004 RE_{61}	9.209	0.74	2	p	SWF
154857 2004 RG_{68}	6.19835	0.50	2		DWF
154973 2004 TC_{344}	>1.43	>0.19			SWF
154987 2004 WJ_{4}	6.11	1.02	2		SWF
154998 2005 NN_{1}	2.62	0.50	2		SWF
155004 2005 OY_{9}	3.83472	0.23	2		DWF
155006 2005 OU_{14}	7.93	0.66	2		SWF
155017 2005 QK_{26}	19.0345	0.21	2		DWF
155025 2005 QM_{71}	2.75469	0.23	2		DWF
155033 2005 QY_{116}				HN	DWF
155037 2005 QP_{157}	5.077	1.06	2		SWF
155060 2005 SG_{28}	10.21	0.61	2		SWF
155077 2005 SX_{103}	14.5433	0.14	2		DWF
155095 2005 SJ_{193}	>24.	1.1	2		SWF
155110*2005 TB	3.479	0.38−0.55	3		
155135 2005 TC_{165}	7.77	0.91	2		SWF
155140 2005 UD	5.235	0.34−0.44	3		
155159 2005 UK_{83}	5.76	1.10	2		SWF
155188 2005 UM_{349}	7.78432	0.41	2	A	DWF
155214 2005 UK_{508}	5.394	0.62	2		SWF
155218 2005 VL_{7}	100.509	0.45	2		DWF
155269 2005 WC_{113}	9.65915	0.43	2		DWF
155292 2005 XT_{64}	2.429	0.22	2		SWF
155296 2005 YJ	7.220	0.52	2		SWF
155300 2005 YG_{40}	>0.88	>0.46			SWF
155334 2006 DZ_{169}	4.682	0.17−0.21	2+		
155337 2006 KH_{89}		1.15		I	
155341 2006 SA_{218}	32.8	0.23	2+		
155350 2007 CN_{21}	55.6429	0.25	2		DWF
155352 2007 CA_{25}				HN	DWF
155386 1994 AF_{6}	4.71	0.64	3−		SWF
155399 1995 SB_{47}	7.646		2−		SWF
155468 1998 SM_{65}	28.2394	0.18	2		DWF
155509 1999 RP_{73}	21.764	0.41	2		SWF
155613 2000 EW_{13}	5.89	0.80−0.96	3−		SWF
155645 2000 GM_{52}	>1.90	>0.40			SWF
155648 2000 GN_{80}	44.1943	0.22	2	1	DWF
155655 2000 GG_{144}				HN	DWF
155702 2000 QJ_{69}	61.8259	0.27	2		DWF
155712 2000 QA_{175}	3.17	0.45	2		SWF
155721 2000 QQ_{214}				HN	DWF
155730 2000 RQ_{64}	16.2461	0.18	2		DWF
155740*2000 SF_{46}	17.583	0.17−0.45	2		SWF
155744 2000 SC_{61}	8.367	0.73	2		SWF
155749 2000 SR_{97}	>1.15	>0.20			SWF
155759 2000 SG_{140}	6.62	0.47	2		SWF
155766 2000 SO_{223}	5.13	0.78	1		SWF
155769 2000 ST_{232}	42.5815	0.22	2		DWF
155778 2000 SF_{287}	62.8731	0.30	2	1	DWF
155806 2000 VE_{28}	14.66	0.09	1		SWF
155833 2000 YB	59.306	0.99	2		SWF
155835 2000 YA_{8}	6.499	0.09	1		SWF
155842 2000 YC_{87}	3.751	0.53	2		SWF
155844 2000 YZ_{112}	31.3418	0.11	2		DWF
155870 2001 DL_{27}	>0.92	>0.24			SWF
155921 2001 OJ_{105}	4.063		2		SWF
155935 2001 QN_{15}	36.3408	0.38	2		DWF
155972 2001 QW_{227}	6.448	0.63	2		SWF
156010 2001 RQ_{75}	>10.	>0.25	1		SWF
156018 2001 RM_{94}	>1.13	>0.86			SWF
156025 2001 RD_{115}	3.15	0.21	2		SWF
156051 2001 SL_{46}	5.415		2−		SWF
156065 2001 SE_{67}	123.709	0.19	2		DWF
156094 2001 SB_{213}	5.45	0.32	2−		SWF
156095 2001 SE_{213}	19.83	0.69	2		SWF
156163 2001 TF_{112}	4.015	0.64	2		SWF
156164 2001 TC_{116}	4.123	0.59	2		SWF
156172 2001 TG_{159}	6.15	0.80	2		SWF
156215 2001 UK_{72}	134.578	0.27	2		DWF
156230 2001 UE_{119}	5.60	0.80	2+		SWF
156249 2001 UT_{189}	4.99	0.60	2		SWF
156269 2001 VP_{47}	5.83031	0.24	2		DWF
156286 2001 WV_{13}	>2.72	>0.22			SWF
156316 2001 XP_{68}	8.96539	0.17	2		DWF
156347 2001 XS_{170}	10.84	0.79	1	DA	SWF
156380 2001 YL_{70}	>5.25	>0.14			SWF
156422 2002 AW_{88}	15.6822	1.01	2	1	DWF
156471 2002 CE_{40}	5.10474	0.38	2		DWF

Planet	Period	Variation	Note	Survey
156476 2002 CO_{49}	2.524	0.17	2	SWF
156546 2002 DN_{14}	4.14	0.55	1+	SWF
156576 2002 EF_{139}	10.54	0.35	1 DA	SWF
156634 2002 JW_{13}	3.32571	0.36	2	DWF
156691 2002 LR_{5}	S 4.98588		2 p N	LCI-W
156702 2002 LZ_{46}	57.7676	0.42	2	DWF
156738 2002 XS_{57}	5.78	0.50	2	SWF
156750 2002 XW_{90}	>2.37	>0.37		SWF
156751 Chelseaferrell	6.5287	0.85	2 A	
156755 2002 YH_{7}	37.5819	0.16	2	DWF
156765 2003 AZ_{28}	7.38	0.21	2	SWF
156766 2003 AE_{31}	5.597	0.78	2	SWF
156780 2003 AV_{78}	>2.65	>0.30		SWF
156799 2003 BD_{18}		0.84		SWF
156848 2003 CJ_{13}	>4.25	>0.44		SWF
156869 2003 DS_{17}	8.14	0.30	2	SWF
156898 2003 EX_{29}	>4.25	>0.27		SWF
156902 2003 EQ_{31}	8.283	0.18	2	SWF
156912 2003 FS_{25}	2.66	0.51	2	SWF
156926 2003 FQ_{61}	11.16	0.81	2	SWF
157004 2003 OB_{33}	9.32	1.09	1	SWF
157024 2003 QN_{86}	74.1194	0.31	2	DWF
157025 2003 QW_{88}	74.1808	0.38	2	DWF
157027 2003 QQ_{95}	>1.35	>0.12		SWF
157028 2003 QH_{103}	7.564	0.46	2	SWF
157069 2003 SR_{304}	22.5386	0.30	2	DWF
157078 2003 WQ_{31}	18.90	0.32	2	SWF
157119 2004 NF_{2}	>3.72	>0.41		SWF
157120 2004 NH_{4}	5.23486	0.58	2	DWF
157124 2004 NJ_{13}				SWF
157126 2004 NA_{17}	62.192	0.87	2	SWF
157139 2004 OE_{11}	5.37148	0.37	2	DWF
157231 2004 RL_{75}	2.841	0.29	2	SWF
157272 2004 RE_{224}	4.85	0.54	1+	SWF
157312 2004 SU_{32}	131.661	0.52	2	SWF
157340 2004 TT_{45}	19.838	0.47	2	SWF
157369 2004 TE_{128}	66.4566	1.01	2	DWF
157426 2004 TF_{333}	>1.33	>0.19		SWF
157442 2004 VZ_{13}	6.160	0.58	2	SWF
157481 2005 QS_{77}			HN	DWF
157494 Durham	14.210	0.08	1	SWF
157515 2005 ST_{105}	7.29843	0.71	2	DWF
157527 2005 SU_{265}	6.11	0.77−0.93	2	SWF
157530 2005 TX_{17}		0.55		SWF
157551 2005 UZ_{66}	5.543	0.54−0.55	2	SWF
157562 2005 UU_{120}	9.06	0.49	2	SWF
157632 2005 WO_{162}	5.978	0.73	2	SWF
157641 2005 XX_{81}	7.33	0.72	2−	SWF
157668 2005 YY_{72}	4.20	0.32	2	SWF
157688 2005 YX_{210}	30.702	0.51	2	SWF
157706 2006 AD_{51}	3.584	0.15	2−	
157760 2007 DD_{35}	>3.72	>0.49		SWF
157770 2007 EO_{57}	9.23	0.67	2	SWF
157794 1994 PP_{14}	6.737	0.66	2	SWF
157799 1995 SE_{13}			HN	DWF
157800 1995 SS_{18}	8.112	0.56	2	SWF
157804 1995 SF_{87}	>4.37	>0.40		SWF
157813 1995 WN_{1}	34.7544	0.33	2	DWF
157835 1998 FS_{71}	175.602	0.70	2	DWF
157838 1998 FG_{139}	>5.35	>0.38		SWF
157880 1999 NO_{60}	29.2865	0.51	2	DWF
157900 1999 TW_{108}	225.503	0.68	2	SWF
157907 1999 TY_{154}	3.034	0.52	2	SWF
157952 2000 CX_{111}	5.085	0.51	2	SWF
157976 2000 HC_{6}	11.938		2−	SWF
157994 2000 LH_{15}	48.2713	0.33	2	DWF
157995 2000 LF_{26}	8.52109	0.16	2	DWF
158042 2000 SK_{112}	5.511	0.29	2	SWF
158058 2000 SZ_{322}	10.2774	0.16	2	DWF
158059 2000 SW_{358}	28.6109	0.41	2	DWF
158073 2000 UJ_{41}	1.90705	0.16	2 1	DWF
158093 2000 WT_{89}	S 5.28095		2 p N	LCI-W
158101 2000 XN_{26}	220.755	0.29	2	DWF
158125 2001 DQ_{87}	9.102	0.47	2	SWF
158156 2001 OR_{10}	9.050	0.40	2	SWF
158162 2001 QW_{23}	7.89817	0.57	2	DWF
158195 2001 RR_{141}	5.34064	0.62	2	DWF
158212 2001 SU_{83}	8.18761	0.52	2	DWF
158219 2001 SZ_{136}	>5.35	>0.14		SWF
158224 2001 SJ_{184}	35.4353	0.28	2	DWF

Planet	Period	Variation	Note	Survey
158235 2001 SV_{293}	11.57	0.65	2	SWF
158271 2001 TH_{231}	6.71832	0.55	2	DWF
158275 2001 UK_{8}	>0.82	>0.36		SWF
158294 2001 UK_{104}	5.25	0.83	2	SWF
158308 2001 UB_{206}	9.295	0.38	2	SWF
158315 2001 VX_{32}	6.357	0.54	2	SWF
158325 2001 VO_{105}	3.07	0.23	2	SWF
158327 2001 VL_{117}	11.8531	0.63	2	DWF
158331 2001 WF_{5}	136.546	0.23	2	DWF
158345 2001 XE_{67}	30.369	0.44−0.52	2	SWF
158363 2001 XU_{144}	90.5066	0.25	2	DWF
158377 2001 XZ_{202}	15.8815	0.14	2	DWF
158380 2001 XP_{208}	3.16591	0.32	2	DWF
158393 2001 YD_{47}	9.095	0.50	2	SWF
158402 2001 YL_{117}	4.36967	0.52	2	DWF
158468 2002 CH_{247}	>4.37	>0.46		SWF
158553 2002 JS_{1}	203.554	0.73	2	SWF
158583 2002 LJ_{19}	5.41207	0.29	2	DWF
158631 2003 BM_{34}	30.38	1.09	2	SWF
158704 2003 FK_{131}	>1.90	>0.28		SWF
158794 2003 SG_{149}	3.81	0.47	1	SWF
158914 2004 RV_{26}	5.05	0.77	2	SWF
158919 2004 RM_{36}	129.602	0.31	2	DWF
158928 2004 RJ_{65}	3.77	0.23	2	SWF
158953 2004 RX_{150}	9.54434	0.72	2	DWF
159014 2004 TK_{24}	>2.75	>0.27		SWF
159039 2004 TO_{93}	>3.72	>0.21		SWF
159046 2004 TZ_{117}	>5.42	>0.17		SWF
159073 2004 TP_{202}	4.314	0.50	2	SWF
159082 2004 TU_{237}	4.144	0.39	2	SWF
159094 2004 TL_{303}	7.93	0.90	2−	SWF
159101 2004 TP_{351}	4.718	0.45	2	SWF
159151 2004 XD_{109}	7.56	0.45	2	SWF
159272 2005 YU_{215}	150.013	0.24	2	DWF
159354 2007 EL_{137}	>4.35	>0.18		SWF
159371 1995 CG_{8}	2.92	0.30	2	SWF
159399 1998 UL_{1}	4.01	0.12	2−	
159400 1998 VL	60.5119	0.80	2	DWF
159402 1999 AP_{10}	7.908	0.25−0.50	3	
159404 1999 FX_{34}	4.708	0.54	2	SWF
159410 1999 RU_{122}	6.62	0.65	2	SWF
159412 1999 RZ_{133}	>1.57	>0.15		SWF
159414 1999 RN_{178}	8.73	0.76	2	SWF
159424 1999 TD_{97}	732.543	0.43	2	DWF
159425 1999 TY_{151}	16.717	0.23	2	SWF
159431 1999 VT_{18}	4.18	0.32	2	SWF
159439 1999 XR_{12}	2.891	0.14	2	SWF
159444 1999 XN_{209}	232.515	0.49	2	DWF
159454 2000 DJ_{8}	14.245	0.25	2	
159465 2000 QJ_{2}	47.0976	0.79	2	DWF
159467 2000 QK_{25}	>3.0	>1.0	1	
159473 2000 RB	273.525	0.49	2	DWF
159493 2000 UA	14.517	0.38	3	
159504 2000 WO_{67}	7.84	0.20	2	
159505 2000 WP_{77}	4.66	0.71	2	SWF
159512 2000 YR_{106}	25.504	0.21	2	SWF
159533 2001 HH_{31}	3.660	0.11−0.15	2 A	
159542 2001 QN_{294}	32.652	0.43	2	DWF
159569 2001 UD_{163}	>0.97	>0.63		SWF
159593 2001 XR_{167}	>1.13	>0.46		SWF
159610 2002 AJ_{13}	22.6595	0.59	2	DWF
159618 2002 AM_{109}	9.132	0.43	2	DWF
159629 Brunszvik	90.4936	0.22	2	DWF
159651 2002 CZ_{276}	70.6909	0.48	2	DWF
159654 2002 DW_{13}	7.48589	0.17	2	DWF
159669 2002 GY_{73}	6.35	0.27	1 N	
159676 2002 HH_{3}	4.297	0.38	2	SWF
159708 2002 TK_{179}	73.396	0.29	2	SWF
159709 2002 TZ_{191}	4.171	0.37	2	SWF
159719 2003 AW_{65}	73.5181	0.32	2	DWF
159750 2003 FV_{57}	46.3952	0.50	2	DWF
159761 2003 GF_{27}	>5.22	>0.18		SWF
159765 2003 HO_{2}	15.469	0.28	2	DWF
159771 2003 HL_{47}	4.35	0.15	2	SWF
159780 2003 MV_{6}	18.098	0.20	2	SWF
159787 2003 OH_{19}	6.914	0.57	2	SWF
159796 2003 QT_{109}	7.130	0.53−0.57	2	SWF
159799 Kralice	8.42	0.22	2	SWF
159844 2003 WA_{12}	5.980	0.36	2	SWF
159848 2003 WS_{153}	15.3945	0.28	2	DWF

Planet	Period	Variation	Note	Survey
159857 2004 LJ_{1}	2.7247	0.15−0.59	3	
159864 2004 PH_{50}	S 8.41806		2 p N	LCI-W
159878 2004 RG_{139}	225.424	0.28	2 A	DWF
159889 2004 TR_{14}	8.292	0.47	3 N	
159914 2004 VH_{70}			HN	DWF
159919 2004 XU_{163}	S 3.993503		2 p N	LCI-W
160022 1995 YL_{11}	5.49	0.19	2	SWF
160028 1998 ET_{5}	7.491	0.59	2	SWF
160035*1998 WQ_{27}	2.13	0.64−0.65	2+	SWF
160036 1998 XH_{7}	15.48	0.45	2	SWF
160054 1999 TZ_{290}	>4.35	>0.31		SWF
160076 2000 GS_{8}	24.3157	0.25	2	DWF
160091 2000 OL_{67}			BH	
160092 2000 PL_{6}	3.0132	0.16	3−	
160094 2000 QR_{67}	165.006	0.41	2	DWF
160140 2001 DZ_{3}		1.13	I	
160149 2001 LC_{10}	2.50	0.28	2	SWF
160150 2001 MP_{30}			HN	DWF
160224 2002 GT_{59}	8.29798	0.34	2	DWF
160228 2002 GQ_{112}	8.564	0.09	1	SWF
160246 2002 OV_{2}	3.693	0.27	2	SWF
160252 2002 PW_{41}	3.7527	0.17	2	DWF
160256 2002 PD_{149}			BHN	
160258 2002 QB_{25}	10.1123	0.18	2	DWF
160262 2002 RO_{8}	3.228	0.27	2	SWF
160264 2002 RF_{64}	11.45	0.34−0.80	2 A	
160267 2002 SY_{18}	4.76181	0.18	2 A	DWF
160271 2002 TN_{60}	201.05	0.52	2	DWF
160281 2002 WO	305.371	0.55	2	DWF
160318 2003 JR_{8}	21.83	0.24	1 NA	
160320 2003 KF_{12}	4.299	0.37	2	SWF
160339 2003 SY_{66}	7.496	0.67	2	SWF
160345 2003 SJ_{175}	13.52	0.28	2	SWF
160351 2003 UZ_{85}	8.671	0.63	2	SWF
160353 2003 UV_{162}	11.707	0.65−0.70	2	SWF
160464 2006 BQ_{145}	10.3433	0.32	2	DWF
160468 2006 DZ_{67}	3.320	0.61−0.66	2	SWF
160513 1990 TD_{13}	>2.37	>0.17		SWF
160559 1998 RS_{55}	7.80	0.40	2	SWF
160572 1999 CM_{46}	107.89	0.30	2	DWF
160581 1999 KH_{12}	6.91	1.03	3−	SWF
160609 1999 TA_{35}	44.1501	0.19	2	DWF
160615 1999 TG_{97}	4.66	0.39	2	SWF
160680 2000 DX_{11}	4.00875	0.25	2	DWF
160684 2000 EL_{10}			HN	DWF
160709 2000 QC_{30}	5.4986	0.25	2	DWF
160734 2000 RS_{23}	1.360	0.15	1	
160752 2000 SQ_{84}	80.5845	0.78	2	DWF
160754 2000 SM_{88}	21.9132	0.41	2 1	DWF
160770 2000 SF_{188}	4.35536	0.18	2	DWF
160774 2000 SK_{217}	56.1936	0.49	2	DWF
160781 2000 SK_{277}	3.10	0.37	3−	SWF
160788 2000 TF_{21}	5.88743	0.42	2	DWF
160804 2000 VQ_{28}	1044.27	0.09	2	DWF
160812 2000 WN_{3}	12.6458	0.23	2	DWF
160820 2000 WD_{125}	18.9964	0.28	2	DWF
160831 2000 XK_{39}	4.58046	0.30	2	DWF
160869 2001 KM_{39}	6.916	0.10	1	SWF
160881 2001 PJ_{12}	17.8159	0.21	2	DWF
160957 2002 AD_{142}	5.070	0.28	2	SWF
160990 2002 CF_{167}	6.23	0.62	2	SWF
161018 2002 EU_{107}		1.05	I	
161061 2002 JN_{99}	4.814	0.87	2	SWF
161080 2002 MC_{1}	48.3245	0.18	2	DWF
161096 2002 PP_{92}	269.03	0.27	2	DWF
161101 2002 PL_{154}	134.613	0.53−0.61	2	SWF
161103 2002 PT_{169}	7.760	0.58−0.64	2	SWF
161115 2002 RL_{2}	8.81	0.86	2	SWF
161128 2002 RG_{77}	3.323	0.34	2	SWF
161134 2002 RJ_{111}	18.8495	0.22	2 1	DWF
161139 2002 RJ_{150}	6.80	0.64	1 DA	SWF
161143 2002 RR_{161}	5.05	0.91	1+	SWF
161151 2002 SH_{27}	19.778	0.69	2	SWF
161190 2002 TW_{180}	37.9669	0.25	2	DWF
161192 2002 TN_{196}	6.963	0.59	2	SWF
161195 2002 TS_{227}	3.009	0.25	2	SWF
161210 2002 UG_{6}	34.207	0.43	2	SWF
161221 2002 XJ_{1}	104.209	0.42	2	SWF
161224 2002 XP_{44}			HN	DWF
161227 2002 XO_{68}	8.73	0.29	2	SWF
161236 2003 AK_{29}	59.201	0.68	2	SWF
161237 2003 AT_{36}	>1.00	>0.13		SWF
161268 2003 FJ_{61}	5.93	0.24	2	SWF
161284 2003 GL_{43}	5.72	1.22	2	SWF
161287 2003 HN_{20}	486.968	0.18	2	DWF
161301 2003 MH_{1}	S 4.58683		2 p N	LCI-W
161307 2003 OR_{2}	4.570	0.51	2	SWF
161340 2003 SK_{37}	25.1679	0.36	2	DWF
161353 2003 SV_{142}	>3.72	>0.22		SWF
161354 2003 SH_{149}	6.032	0.48−0.49	2	SWF
161357 2003 SB_{162}	6.468	0.74	2	SWF
161360 2003 SR_{165}	>2.32	>0.30		SWF
161386 2003 UB_{28}	64.136	0.86	2	SWF
161391 2003 UF_{97}	4.47	0.49	2	SWF
161395 2003 UM_{131}	4.722	0.36−0.44	2	SWF
161444 2003 YX_{32}	21.6119	0.16	2	DWF
161495 2004 MA_{1}	9.682	0.52−0.66	2	SWF
161506 2004 RR_{79}	53.7848	0.86	2	DWF
161543 2004 WH_{10}	6.106		2−	SWF
161608 2005 UZ_{68}	4.04251	0.22	2	DWF
161657 2006 BM_{268}	2.94585	0.26	2	DWF
161678 2006 FK_{17}	151.33	0.34	2	DWF
161686 2006 HX_{16}	30.5472	0.59	2	DWF
161711 2006 KU_{88}	1.87064	0.15	2	DWF
161723 2006 RT_{21}	45.	0.20	1	SWF
161738 2006 SD_{126}	256.443	0.61	2	SWF
161739 2006 SL_{126}	18.234	0.34	2	SWF
161772 2006 TG_{89}	7.194	0.57	2	SWF
161804 2006 VO_{87}			HN	DWF
161858 2007 BD_{42}	27.9862	0.48	2	DWF
161867 2007 CD	20.8817	0.30	2	DWF
161868 2007 CQ	16.2907	0.20	2	DWF
161912 2007 DY_{97}	4.87	0.86	2	SWF
161963 2007 HU_{85}	4.36217	0.19	2	DWF
161977 2007 LE_{3}	>1.35	>0.13		SWF
161985 1253 $T-2$	6.36	0.36	2	SWF
161989 Cacus	3.7538	0.80−1.1	3 p	
161998 1988 PA	13.4	0.50	2	
162000 1990 OS	2.536	0.22	1 B	
162004 1991 VE	13.4895	1.08−1.12	3 T+	
162011 Konnohmaru	2.998	0.20	3−	
162021 1995 FV_{11}			HN	DWF
162031 1995 VE_{14}	>4.35	>0.23		SWF
162038 1996 DH	7.16	0.18	2	
162058 1997 AE_{12}	1880.	>0.6	2 NT0	
162066 1997 MU_{8}	5.45	0.32	2	SWF
162082 1998 HL_{1}	11.7864	0.17−0.38	3	
162097 1998 QF_{30}	6.063	0.33	2	SWF
162117 1998 SD_{15}	7.33	0.26	3−	
162130 1998 SP_{104}	>3.72	>0.37		SWF
162138 1998 UY_{13}	2.433	0.48−0.50	2	SWF
162142 1998 VR	8.44	0.14	2	
162156 1999 BU_{28}	S 2.403865		2 p N	LCI-W
162168 1999 GT_{6}	3.85	0.15	2	
162171 1999 GC_{56}	4.54666	0.18	2	DWF
162173 Ryugu	7.627	0.10−0.16	2 p	
162175 1999 JJ_{45}	16.0032	0.29	2	DWF
162181*1999 LF_{6}	37.26	0.17−0.32	2+ A	
162210 1999 SM_{5}	6.230	0.77−0.95	3 N	
162273 1999 VL_{12}	7.380	0.93−1.21	3	
162297 1999 VU_{167}	3.68	0.54	2+	SWF
162313 1999 WA_{24}	40.00	0.73	2	SWF
162361 2000 AF_{6}	3.4558	0.18	3	
162385*2000 BM_{19}	9.463	1.34−1.38	2+	
162393 2000 CM_{81}	138.684	0.42	2	DWF
162416 2000 EH_{26}	>24.		2 RT0	
162421 2000 ET_{70}	8.947	0.60	3− p R	
162431 2000 FV_{4}	113.765	0.36	2	DWF
162454 2000 HO_{24}	8.46128	0.32	2	DWF
162457 2000 HO_{35}	40.035	0.42	2	SWF
162463 2000 JH_{5}	3.024	0.21	2	
162464 2000 JR_{60}	298.768	0.20	2	DWF
162479 2000 OH_{31}	2.96	0.18	1+	SWF
162483 2000 PJ_{5}	2.642	0.25	3− B?	
162525 2000 QK_{127}	5.145	0.66	2	SWF
162565 2000 RU_{31}	2.552	0.18	2	SWF
162566 2000 RJ_{34}	50.67	0.67−0.78	3−	
162567 2000 RW_{37}	2.439	0.06	2	
162570 2000 RA_{45}	79.8645	0.22	2	DWF
162577 2000 RR_{90}	6.085	0.59	2	SWF

Planet	Period	Variation	Note	Survey
162586 2000 SE_{31}	16.5642	0.48	2	DWF
162600 2000 SV_{71}	86.0937	0.19	2	DWF
162625 2000 SR_{127}	22.8356	0.41	2	DWF
162635 2000 SS_{164}	6.8939	0.86	3 N	
162641 2000 SB_{179}	7.323	0.49	2	SWF
162713 2000 UY_{95}	4.098	0.40	2	SWF
162723*2000 VM_{2}	4.571	0.56	3	
162747 2000 WH_{28}	31.6968	0.18	2	DWF
162748 2000 WG_{30}	28.7642	0.22	2	DWF
162752 2000 WF_{48}	35.4686	0.53	2	DWF
162764 2000 WJ_{117}	13.3375	0.14	2	DWF
162772*2000 WX_{175}	108.495	0.48−0.75	2	SWF
162790 2000 YJ_{35}	53.633	0.79	2	DWF
162805 2001 AR	10.078	0.36	2	SWF
162809 2001 AW_{34}	5.577	0.54−0.63	2	SWF
162811 2001 AG_{51}	29.	0.25	2−	
162820 2001 BK_{36}	3.954	0.33	3−	
162832 2001 CO_{6}	10.649	0.82	2	SWF
162872 2001 FP_{3}	21.0204	0.26	2	DWF
162896 2001 HG_{11}	127.365	0.71	2	DWF
162900 2001 HG_{31}	60.61	0.15−0.56	3 T	
162906 2001 KY_{10}	72.4922	0.36	2	DWF
162907 2001 KJ_{21}	4.87159	0.43	2	DWF
162909*2001 KQ_{41}	5.360	0.33−0.41	2	SWF
162912 2001 MD_{12}	125.517	0.46	2	DWF
162917 2001 OW_{1}	8.147	0.68	2	SWF
162920 2001 OF_{9}	17.555	0.31−0.33	2	SWF
162921 2001 OL_{11}	140.062	0.34	2	SWF
162930 2001 OA_{82}	6.82714	0.33	2	DWF
162935 2001 OO_{98}	10.4202	0.64	2	DWF
162936 2001 OD_{102}	4.110	0.36	2	SWF
162939 2001 PA_{12}	6.76112	0.23	2	DWF
162941 2001 PM_{25}	7.08987	0.46	2	DWF
162943 2001 QZ_{18}	4.78	1.01	2	SWF
162954 2001 QB_{93}	16.4748	0.27	2	DWF
162970 2001 QK_{240}	3.50808	0.31	2	DWF
162974 2001 QC_{276}	298.963	0.48	2	DWF
162977 2001 QY_{294}	15.677	0.25	2	SWF
162980 2001 RR_{17}	12.71	0.23	2	
162998 2001 SK_{162}	68.	0.40	2 NT0	
163000*2001 SW_{169}	69.97	0.37−0.45	3−	
163005 2001 SX_{265}	>5.13	>0.19		SWF
163033 2001 XX_{142}	4.575	0.59	2	SWF
163035 2001 XK_{176}	5.08	0.69	1	SWF
163048 2001 XJ_{240}	11.379	0.10	1	SWF
163051 2001 YJ_{4}	4.693	0.17	2 A	
163055 2001 YL_{61}	91.1646	0.22	2	DWF
163068 2002 AP_{5}	27.812		2−	SWF
163081*2002 AG_{29}	19.640	0.25−0.38	3− T0	
163102 2002 AQ_{125}	6.08	0.54	2	SWF
163129 2002 CH_{1}	7.841		2−	SWF
163174 2002 CX_{236}	4.19571	0.32	2	DWF
163191 2002 EQ_{9}	3.	0.2	1	
163201 2002 EB_{39}	35.4356	0.13	2	DWF
163230 2002 EG_{125}	13.456	0.70	2	SWF
163232 2002 ED_{135}	>1.75	>0.27		SWF
163243 2002 FB_{3}	6.231	0.19	2	
163249 2002 GT	3.7663	0.31−0.36	3	
163252 2002 GD_{11}	7.	0.15	1	
163313 2002 JG_{75}	25.0573	0.30	2	DWF
163348 2002 NN_{4}	14.50	0.74	3−	
163362 2002 OZ_{14}	14.251	0.46	2	SWF
163364 2002 OD_{20}	2.420	0.11	2+	
163373*2002 PZ_{39}	148.9	0.15	1+	
163419 2002 RK_{52}	15.964	0.49	2	SWF
163430 2002 RO_{67}	S 13.6398		2 p N	LCI-W
163431 2002 RR_{67}	70.583	0.27−0.28	2	SWF
163434 2002 RY_{72}	7.22	0.49	2	SWF
163457 2002 RV_{134}			HN	DWF
163460 2002 RP_{139}	3.42532	0.19	2	DWF
163475 2002 RQ_{212}			HN	DWF
163486 2002 SL_{6}	12.846	0.72	2	SWF
163489 2002 SE_{11}	8.35	1.03	2	SWF
163499 2002 SE_{41}	61.2634	0.35	2	DWF
163502 2002 SA_{46}	3.89	0.42	2	SWF
163509 2002 SU_{60}	51.959	0.69	2	SWF
163533*2002 TY_{46}	5.376	0.31−0.61	2	SWF
163534 2002 TQ_{51}	39.0196	0.23	2	DWF
163544 2002 TK_{85}	12.441	0.40	2	SWF
163546 2002 TL_{90}	7.339	0.39	2	SWF

Planet	Period	Variation	Note	Survey
163552 2002 TK_{110}	70.7539	0.14	2 A3	DWF
163554 2002 TU_{114}	5.890	0.28	2	SWF
163555 2002 TK_{117}			HN	DWF
163567 2002 TU_{135}	7.760	0.50	2	SWF
163574 2002 TO_{159}	5.47781	0.30	2	DWF
163580 2002 TR_{180}	17.8926	0.21	2	DWF
163594 2002 TH_{207}	117.736	0.94	2	SWF
163627 2002 UB_{7}	S 7.24848		2 p N	LCI-W
163628 2002 UH_{8}	20.6471	0.20	2	DWF
163631 2002 UN_{13}	166.59	0.21	2	DWF
163634 2002 UW_{25}	10.426	0.54	2	SWF
163655 2002 VH_{79}	18.4366	0.22	2	DWF
163676 2002 XG_{62}	4.82	0.61	2−	SWF
163677 2002 XP_{62}	131.937	0.76	2	DWF
163680 2002 XK_{84}	38.4209	0.19	2	DWF
163691 2003 BB_{43}	6.649	0.24	2	
163693 Atira	3.3980	0.22−0.36	3 B	
163694 2003 DP_{13}	2.387	0.13	3−	
163696*2003 EB_{50}	62.06	0.73−1.64	3− T0	
163704 2003 FL_{100}	7.875		2−	SWF
163714 2003 GT_{23}	5.753		2−	SWF
163732 2003 KP_{2}	151.1	1.7	3 NT?	
163743 2003 MN_{3}	104.263	0.20	2	DWF
163764 2003 OX_{27}	19.202		2−	SWF
163770 2003 PX_{4}	44.6146	0.73	2	DWF
163792 2003 QV_{45}	4.990		2−	SWF
163818 2003 RX_{7}	5.649	0.11	3−	
163862 2003 SX_{98}	23.1109	0.21	2	DWF
163874 2003 SW_{147}	10.30	0.15	2	SWF
163890 2003 SC_{199}		0.63		SWF
163899 2003 SD_{220}	285.	1.39−2.5	2+ T?	
163934 2003 SG_{311}	8.438	0.19−0.28	2	SWF
163950 2003 UN_{22}	>1.97	>1.13		SWF
163956 2003 UV_{45}	3.126	0.44	2	SWF
163964 2003 UR_{81}	7.22	0.95	2−	SWF
163974 2003 UC_{109}	2.50	0.41	2	SWF
163978 2003 UU_{115}	2.979	0.41	2	SWF
164013 2003 UT_{197}	5.895	0.56−0.61	2	SWF
164025 2003 UH_{226}	3.58	0.46	2	SWF
164030 2003 UJ_{245}	>1.15	>0.10		SWF
164049 2003 UC_{302}	55.0648	0.26	2	DWF
164079 2003 WS_{94}	5.30	0.94	2	SWF
164080 2003 WJ_{96}	2.66	0.56	2	SWF
164083 2003 WU_{103}	14.	0.33	2−	
164102 2003 WY_{175}	2.58	0.15	2	SWF
164104 2003 XF_{9}	2.628	0.29	2	SWF
164121 2003 YT_{1}	2.343	0.16−0.27	3 B	
164125 2003 YZ_{10}	24.4219	1.39	2	DWF
164131 2003 YL_{43}	S 20.6268	0.68	2 p N	LCI-W
164159 2003 YY_{151}	13.8088	0.23	2	DWF
164163 2003 YS_{155}	>4.37	>0.10		SWF
164177 2004 BM_{46}	>0.85	>0.29		SWF
164181 2004 BJ_{52}	13.26	0.26	2	SWF
164184 2004 BF_{68}	5.568	0.67	3−	
164201 2004 EC	U 6.642	0.14	2	
164202 2004 EW	11.1	0.12	2−	
164228 2004 RC_{229}	6.25	1.02	2+	SWF
164290 2004 XY_{106}	11.85	0.29	1	SWF
164296 2004 XD_{131}	40.804		2−	SWF
164308*2005 AE_{12}	10.397	0.19−0.53	2	SWF
164335 2005 BR_{2}	21.5112	0.34	2	DWF
164339 2005 BO_{16}	4.322		2−	SWF
164376 2005 ET_{113}	131.955	0.43	2	DWF
164380 2005 EB_{148}	12.47	0.26	2	SWF
164400*2005 GN_{59}	38.69	1.27−1.30	3 T-	
164405 2005 UK_{504}	16.766	0.53−0.67	2	SWF
164443 2006 DH_{35}	7.568	0.65	2	SWF
164482 2006 FG_{24}	4.32	0.40	2	SWF
164512 2006 HG_{2}	15.5846	0.53	2	DWF
164520 2006 HX_{28}	26.9625	0.29	2	DWF
164523 2006 HF_{47}	161.197	0.28	2	DWF
164573 2006 KK_{122}	S 36.4048		2 p N	LCI-W
164592 2761 P–L	73.036	0.41	2	DWF
164625 1993 TC_{15}	6.32	0.37	2	SWF
164656 1996 RP_{5}	20.4049	0.24	2	DWF
164716*1998 GH	2.66	0.10	2−	
164726 1998 QE_{107}	>0.9	>0.23		SWF
164727 1998 RH_{5}	120.555	0.35	2	DWF
164745 1998 TU_{8}	>1.00	>0.31		SWF
164806 1999 JA_{110}	S 9.01624		2 p N	LCI-W

Planet	Period	Variation	Note	Survey
164843 1999 TH_{138}	>4.72	>0.46		SWF
164865 1999 TA_{273}	15.157	0.14	2	SWF
164874 1999 UL_{37}	6.11	0.42	2	SWF
165004 2000 CH_{15}	8.79	0.55	2	SWF
165052 2000 EE_{59}	7.431	0.47	2	SWF
165067 Pauls	>1.10	>0.17		SWF
165076 2000 FX_{63}	>1.33	>0.12		SWF
165090 2000 GP_{72}	41.956	0.23	2 A3	DWF
165093 2000 GG_{89}	71.212	0.28	2	DWF
165151 2000 QT_{33}	5.13	0.46−0.61	3	SWF
165175 2000 QN_{153}	6.095		2−	SWF
165194 2000 RD_{5}	3.74	0.25	2	SWF
165267 2000 SO_{243}	2.80	0.17	2	SWF
165289 2000 SA_{356}	22.083	0.20	2	DWF
165309 2000 UU_{28}	3.55208	0.16	2	DWF
165354 2000 WU_{48}	25.3204	0.23	2	DWF
165360 2000 WA_{77}	3.31	0.22	1	SWF
165389*2000 WC_{188}	38.08	0.87	3−	
165433 2000 YD_{72}	11.438	0.16	2	DWF
165434 2000 YC_{75}	17.2625	0.14	2	DWF
165464 2001 AY_{19}	416.706	0.88	2	DWF
165484 2001 BO_{19}	7.38	0.26	2	SWF
165492 2001 BL_{31}	4.752	0.78	2	SWF
165493 2001 BP_{32}	29.914		2−	SWF
165528 2001 CK_{28}	>3.72	>0.31		SWF
165540 2001 DV_{19}	>1.78	>0.10		SWF
165543 2001 DK_{29}	4.68	0.36	2	SWF
165552 2001 DS_{42}	5.435	0.50−0.53	2	SWF
165594 2001 FT_{40}	13.0058	1.82	2	DWF
165607 2001 FS_{66}	4.417	0.43	2	SWF
165634 2001 FA_{171}	4.02	0.55	2	SWF
165644 2001 HB_{2}	554.305	0.25	2	DWF
165676 2001 OG_{41}	5.8483	0.20	2	DWF
165686 2001 OY_{75}	302.518	0.21	2	DWF
165695 2001 PT_{32}	3.254	0.23	2	SWF
165725 2001 QJ_{101}	3.46335	0.32	2	DWF
165736 2001 QQ_{131}	76.227	0.34	2	DWF
165742 2001 QO_{162}	4.44	0.65−0.70	3−	SWF
165755 2001 QK_{207}	5.36	0.38	2	SWF
165777 2001 QG_{265}	61.8107	0.63	2	DWF
165783 2001 RQ_{1}	4.982	0.70−0.78	2	SWF
165785 2001 RT_{5}	4.71	0.42−0.47	2	SWF
165811 2001 RH_{81}	34.0522	0.32	2	DWF
165815 2001 RF_{100}	4.338	0.23	2	SWF
165825 2001 RS_{117}	13.87	0.53	2	SWF
165836 2001 RJ_{140}	224.93	0.24	2	DWF
165842 2001 RE_{153}	78.7205	0.18	2	DWF
165890 2001 SW_{198}			HN	DWF
165953 2001 XT_{18}	59.6786	0.22	2	DWF
165976 2001 YP_{27}	>1.83	>0.17		SWF
165982 2001 YM_{96}	11.1278	0.21	2	DWF
165986 2001 YZ_{116}	>4.37	>0.72		SWF
165997 2002 AP_{31}	3.428	0.10	1	SWF
166021 2002 AN_{163}	6.12	0.93	2	SWF
166037 2002 BR_{25}	261.378	0.30	2	DWF
166045 2002 CJ_{17}	14.875	0.53	2	SWF
166054 2002 CX_{48}	6.00479	0.36	2	DWF
166177 2002 EA_{64}	>5.33	>0.23		SWF
166185 2002 EE_{83}	112.888	0.22	2	DWF
166225 2002 FP_{9}	3.33	0.10	2	SWF
166243 2002 GL_{13}	>6.	>0.05		
166258 2002 GY_{60}	4.134	0.59	2	SWF
166266 2002 GO_{84}	7.28	1.15	2	SWF
166269 2002 GY_{89}	70.6277	0.16	2	DWF
166281 2002 GQ_{118}	>5.48	>0.14		SWF
166342 2002 JV_{132}	3.7	0.23	1+	
166388 2002 NC_{5}	2.69	0.29	2	SWF
166500 2002 QD_{17}	5.85	0.72	2+	SWF
166563 2002 RS_{104}	4.57352	0.41	2	DWF
166572 2002 RU_{120}	7.62	0.26	2	SWF
166575 2002 RV_{127}	198.814	0.26	2	DWF
166631 2002 SB_{26}	>1.97	>0.14		SWF
166632*2002 SP_{30}	3.502	0.22−0.37	2	SWF
166636 2002 SZ_{38}	>1.10	>0.11		SWF
166646 2002 TJ_{4}	12.950	0.44	2	SWF
166648 2002 TQ_{7}	>1.93	>0.22		SWF
166653 2002 TT_{20}	7.27	0.61	2	SWF
166672 2002 TM_{77}	4.78	0.77	1+	SWF
166673 2002 TZ_{79}	4.02749	0.22	2	DWF
166676 2002 TO_{92}	3.14	0.49	1	SWF

Planet	Period	Variation	Note	Survey
166682 2002 TM_{112}			HN	DWF
166698 2002 TE_{172}	48.576	0.28	2	DWF
166782 2002 VH_{33}	4.34	0.75	2	SWF
166802 2002 VG_{58}	7.383	0.58	2	SWF
166808 2002 VS_{75}	3.543	0.74−0.81	2	SWF
166836 2002 VL_{119}	370.983	0.25	2	DWF
166840 2002 VT_{122}	3.45	0.19	2	SWF
166872 2002 XP_{50}	8.746	0.36	2	SWF
166900 2003 AJ_{7}	28.1151	0.68	2	DWF
166940 2003 HU_{44}	7.227	0.09	1	SWF
166949 2003 JU_{10}	8.980	0.83	2	SWF
166967 2003 OH_{2}	3.21477	0.13	2	DWF
166976 2003 OW_{10}	4.62963	0.15	2	DWF
167064 2003 QN_{94}	5.46003	0.33	2	DWF
167080 2003 RX_{21}	6.56005	0.62	2	DWF
167138 2003 SP_{195}	4.206	0.64	2	SWF
167161 2003 SU_{244}	16.0808	0.25	2	DWF
167162 2003 SW_{246}	>1.28	>0.22		SWF
167208 Lelekovice	5.6	0.25	1 N	
167222 2003 UT_{39}	>1.00	>0.19		SWF
167257 2003 UG_{118}	4.356	0.52−0.61	2	SWF
167278 2003 UZ_{161}	13.084	0.42	2	SWF
167392 2003 WV_{93}	4.09	0.22	2	SWF
167399 2003 WX_{101}	>1.0	>0.08		SWF
167405*2003 WP_{118}	7.560	0.86−1.04	3	
167467 2003 YB_{27}	21.1797	0.27	2	DWF
167509 2003 YS_{113}	14.2207	0.42	2	DWF
167557 2004 BR_{32}	2.53	0.21	2	SWF
167560 2004 BR_{37}	24.3553	0.18	2	DWF
167565 2004 BQ_{43}			HN	DWF
167570 2004 BG_{52}	9.90	0.47	2	SWF
167573 2004 BR_{61}			HN	DWF
167626 2004 CX_{60}	240.986	0.18	2	DWF
167628 2004 CS_{76}	4.470	0.61	2	SWF
167631 2004 CE_{87}	10.348	0.33−0.41	2	SWF
167643 2004 DP_{14}	2.343	0.05	1	SWF
167647 2004 DW_{37}	11.875	0.67−0.86	2	SWF
167660 2004 EQ_{18}	303.781	0.23	2	DWF
167691 2004 QG_{9}	21.5719	0.21	2	DWF
167857 2005 EE_{10}	S 20.3148		2 p N	LCI-W
167860 2005 EG_{18}	>0.78	>0.10		SWF
167870 2005 EP_{27}	18.11	0.55	2	SWF
167894 2005 EU_{70}	4.42466	0.41	2	DWF
167898 2005 EP_{78}	3.72	0.26	2	SWF
168019 2005 JX_{8}			HN	DWF
168022 2005 JK_{44}	71.7583	0.32	2	DWF
168041 2005 MH_{18}	7.33	0.62	1+	SWF
168045 2005 YX_{214}	17.716	0.41	2	DWF
168062 2006 BB_{266}	S 12.07370		2 p N	LCI-W
168070 2006 CK_{41}	>5.23	>0.28		SWF
168089 2006 DM_{84}	1.39	0.40	1	SWF
168098 2006 DO_{199}	>5.13	>0.34		SWF
168139 2006 GA_{50}	77.1156	0.45	2	DWF
168232 2006 KO_{41}	4.05	0.24	2	SWF
168241 2006 KD_{86}	S 5.40435		2 p N	LCI-W
168274 2007 PU_{16}	47.2844	0.14	2 A3	DWF
168275 2007 PZ_{16}	44.8207	0.22	2	DWF
168315 1982 RA_{1}	>1.9	>0.24	2−	
168318 1989 DA	3.925	0.12	3	
168378*1997 ET_{30}	5.721	0.13−0.18	3	
168381 1997 LY_{4}	46.07	1.0	3 T	
168385 1997 RH_{4}	3.961	0.30	2	SWF
168405 1998 FW_{115}	233.037	0.25	2	DWF
168411 1998 HO_{113}	>2.02	>0.42		SWF
168431 1998 SB_{130}	381.444	0.74	2	DWF
168447 1999 AT_{1}	54.142		2−	SWF
168466 1999 JM_{112}	S 13.51291		2 p N	LCI-W
168505 1999 TL_{37}	18.6524	0.24	2	DWF
168546 1999 VA_{189}	3.85304	0.62	2	DWF
168548 1999 VH_{194}	3.67534	0.36	2	DWF
168558 1999 XX_{16}	120.71	0.26	2	DWF
168582 1999 XP_{228}	4.34901	0.31	2	DWF
168699 2000 GO_{144}	>1.00	>0.17		SWF
168714 2000 JQ_{10}	2.5	0.1	1+	
168744 2000 QB_{102}	57.754		2−	SWF
168780 2000 RN_{52}	2.84	0.55	2−	SWF
168835 2000 SD_{364}	2.65	0.21	2	SWF
168839 2000 TX_{48}	7.058		2−	SWF
168847 2000 UU_{34}	2.9	0.2	2	
168871 2000 WB_{9}	3.692	0.86	2	SWF

Planet	Period	Variation	Note	Survey
168876 2000 WZ_{24}	268.35	0.21	2	DWF
168890 2000 WK_{116}	442.902	0.21	2	DWF
168904 2000 WY_{189}	3.335	0.20	2	
168906 2000 XE_{12}	2.881	0.19	2	SWF
168944 2000 YK_{126}	7.44944	0.37	2	DWF
168945 2000 YN_{131}	6.596	0.81	2	SWF
168960 2001 BQ_{19}	25.2456	0.17	2	DWF
168981 2001 CT_{3}	4.835	0.07	1	SWF
169012*2001 DD_{45}	11.583	0.30−0.42	2	SWF
169066 2001 FR_{157}	97.669	0.38	2	SWF
169091 2001 KA_{14}	>1.82	>0.17		SWF
169114 2001 OK_{47}	6.86	0.56	2	SWF
169125 2001 PZ_{27}	>5.48	>0.08		SWF
169134 2001 QB_{36}	10.21	1.11	2	SWF
169137 2001 QM_{57}	7.69019	0.28	2	DWF
169182 2001 QJ_{283}	4.82677	0.34	2	DWF
169189 2001 RZ_{28}	4.186	0.59	2	SWF
169191 2001 RF_{30}	>5.25	>0.12		SWF
169202 2001 RD_{82}	6.22589	0.39	2	DWF
169206 2001 RU_{89}	>5.30	>0.27		SWF
169228 2001 SD_{14}	7.38	0.73	2	SWF
169233 2001 SF_{32}	5.185	0.55	2	SWF
169255 2001 SP_{129}	8.161	0.26	2	SWF
169377 2001 UV_{178}	51.6749	0.34	2	DWF
169409 2001 XL_{109}	34.688	0.51	2	DWF
169418 2001 XF_{208}	5.88319	0.22	2	DWF
169423 2001 YV_{11}	4.78	0.30	1+	SWF
169426 2001 YB_{73}	>5.33	>0.20		SWF
169450 2002 BU_{16}	>5.08	>0.24		SWF
169493 2002 CU_{197}	7.23	1.06	2	SWF
169534 2002 ED_{69}	12.80	0.45	2−	SWF
169599 2002 GD_{81}	26.097		2−	SWF
169684 2002 JM_{125}	>3.72	>0.19		SWF
169703 2002 LR_{34}	5.35	0.69	2	SWF
169714 2002 LB_{52}	58.4599	0.23	2	DWF
169730 2002 NW_{46}	>1.33	>0.12		SWF
169777 2002 PU_{102}	>1.45	>0.13		SWF
169782 2002 PT_{123}	2.973	0.09	1	SWF
169850 2002 RC_{30}	3.423	0.22	2	SWF
169855*2002 RU_{41}	100.351	0.74−0.90	2	SWF
169858 2002 RG_{44}	5.49	0.30	2	SWF
169869 2002 RE_{94}	>2.37	>0.28		SWF
169920 2002 SQ_{14}	5.445	0.85	2	SWF
169950 2002 TL_{66}	9.602	0.33	2	SWF
169964 2002 TD_{130}	3.79	0.34	2	SWF
169983 2002 TP_{211}	72.7416	0.39	2	DWF
170039 2002 VS_{33}	2.07102	0.21	2 A3	DWF
170082 2002 WK_{12}	228.648	0.21	2	DWF
170105 2002 XA_{85}			HN	DWF
170132 2003 AK_{27}	36.5061	0.19	2	DWF
170133 2003 AB_{36}	4.127	0.41−0.55	2	SWF
170155 2003 DU_{17}	8.03498	0.15	2	DWF
170186 2003 NS_{6}	3.20	0.62	2	SWF
170294 2003 RQ_{20}	3.79225	0.21	2	DWF
170364 2003 SV_{210}	2.58	0.53	1	SWF
170455 2003 UD_{184}	634.042	0.97	2	DWF
170502 2003 WM_{7}	7.2	0.4	1 D	
170547 2003 WL_{127}	17.020	0.73	2	SWF
170633 2003 YT_{71}	>4.70	>0.35		SWF
170682 2004 AM_{3}	>3.72	>0.15		SWF
170689 2004 BN_{2}			HN	DWF
170711 2004 BD_{40}	3.17	0.43	2	SWF
170727 2004 BU_{73}	9.94	0.70	1 DA	SWF
170845 2004 FK_{65}	4.25	0.16	2	SWF
170856 2004 FB_{118}	>1.97	>0.39		SWF
170891 2004 TY_{16}	2.795	0.18	3	
170914 2004 XN_{122}	126.833	0.61	2	SWF
170965 2005 CW_{11}			HN	DWF
171069 2005 ES_{152}	4.32	0.55	2	SWF
171147 2005 GR_{68}	>1.43	>0.20		SWF
171207 2005 JQ_{63}	4.29	0.54	2−	SWF
171234 2005 JO_{165}	7.75	0.45	2	SWF
171239 2005 KO_{10}	S 21.1895		2 p N	LCI-W
171257 2005 QP_{77}	2.26	0.51	2	SWF
171286*2006 FF_{51}	4.65	0.31−0.50	2	SWF
171293 2006 GV_{38}	5.260	0.92	2	SWF
171371 2006 LE_{7}	78.8708	0.32	2 A	DWF
171390 2006 PK_{13}	6.94	0.70	1 DA	SWF
171398 2006 QH_{42}	2.88	0.67	1+	SWF
171400 2006 QZ_{98}	4.852	0.65	2	SWF

Planet	Period	Variation	Note	Survey
171438 2007 RG_{84}	>1.13	>1.11		SWF
171454 2007 SM_{17}	41.3572	0.15	2	DWF
171576*1999 VP_{11}	2.796	0.13−0.15	3−	
171605 1999 XB_{246}	7.5	0.53	2	SWF
171628 2000 DE_{25}	>4.35	>0.11		SWF
171677 2000 QG_{136}	7.528	0.18	2−	SWF
171729 2000 WE_{31}	8.011		2−	SWF
171741 2000 WX_{119}	4.92	0.49	2	SWF
171819 2001 FZ_{6}	15.24	0.12	2+	
171825 2001 FQ_{63}	64.444	0.64	2	SWF
171839 2001 JM_{1}	5.7516	0.15	3 N	
171866 2001 QV_{72}	20.2675	0.14	2	DWF
171879 2001 QQ_{263}	15.127	0.29−0.31	2	SWF
171883 2001 QH_{328}	11.583	0.29	2	DWF
171888 2001 RJ_{20}	3.09	0.39	2	SWF
171914 2001 SM_{75}		0.68		SWF
171938 2001 SS_{232}	3.82	0.88	2	SWF
171942 2001 SA_{256}			HN	DWF
171989*2001 TS_{203}	5.27394	0.22	2 p	DWF
171992 2001 TK_{214}			HN	DWF
171997 2001 TW_{256}	10.0738	0.18	2	DWF
172022 2001 UZ_{209}	10.765	0.36	2	SWF
172034 2001 WR_{1}	8.0475	0.95	3	
172036 2001 WO_{28}	26.288	0.34−0.45	2	SWF
172077 2002 AF_{202}	63.2241	0.25	2	DWF
172104 2002 GA_{12}	9.80	1.16	1 DA	SWF
172106 2002 GH_{24}	>5.35	>0.19		SWF
172113 2002 GA_{93}	6.243		2	SWF
172143 2002 JW_{80}	6.350	0.09	1	SWF
172146 2002 JJ_{149}	7.02593	0.17	2	DWF
172148 2002 LU_{5}	4.29	0.38	2−	SWF
172158 2002 NS_{28}	4.97	0.50	1+	SWF
172170 2002 OE_{4}	3.657	0.46	2	SWF
172279 2002 TO_{121}	7.83	0.23	2−	SWF
172313 2002 TM_{286}	>1.00	>0.15		SWF
172330 2002 VH_{18}	>1.97	>0.19		SWF
172379 2003 AO_{7}	30.7277	0.34	2	DWF
172402 2003 BJ_{51}	8.748	0.67−0.68	2	SWF
172410 2003 CB_{2}	6.351	0.39	2	SWF
172425 Taliajacobi	44.7532	0.35	2	DWF
172426 2003 OJ_{31}	62.8315	0.19	2	DWF
172451 2003 QV_{79}	39.1504	0.56	2 A	DWF
172464 2003 SQ_{10}	5.05	0.80	2+	SWF
172471 2003 SW_{46}	4.49	0.17	2	SWF
172473 2003 SB_{55}	5.360	0.64	2	SWF
172537 2003 UH_{27}	386.901	0.62	2	SWF
172601 2003 WG_{43}	39.971	0.73	2	SWF
172609 2003 WA_{87}	29.5405	0.68	2	DWF
172613 2003 WE_{101}	7.93	0.75	2	SWF
172652 2003 YE_{77}	3.9		2 N	
172673 2003 YH_{126}	25.6593	0.24	2	DWF
172693 2004 AV_{5}	40.2756	0.52	2	DWF
172699 2004 BR_{23}	8.44	0.97	2	SWF
172747 2004 CZ_{88}	3.08	0.20	2	SWF
172797 2004 FN_{103}	8.73	0.45	2	SWF
172822 2004 TD_{13}	108.751	0.23	2	DWF
172858 2005 EC_{69}	4.03	0.78	2	SWF
172924 2005 GE_{144}	7.643	0.68	2	SWF
172939 2005 JY_{49}	358.233	0.25	2	DWF
172954 2005 KC_{6}			HN	DWF
172984 2006 HK_{89}	S 4.67726		2 p N	LCI-W
173016 2006 PZ_{26}	>3.27	>0.25		SWF
173032 Mingus	>5.40	>0.20		SWF
173078 2006 UM_{187}	94.7819	0.24	2	DWF
173079 2006 UY_{187}	4.02452	0.39	2	DWF
173082 2006 UT_{265}	10.21	0.47	2	SWF
173140 1995 SH_{19}	84.	0.8	1	SWF
173147 1995 UC_{38}	6.847	0.15	1	SWF
173184 1998 FQ_{61}	5.2405	0.56	2	DWF
173247 1999 RQ_{46}	3.150	0.09	1	SWF
173255 1999 RP_{106}	5.401	0.70	2	SWF
173273 1999 SZ_{4}	6.523	0.08	1	SWF
173293 1999 TZ_{220}			HN	DWF
173363 2000 AD_{49}	5.26038	0.45	2	DWF
173368 2000 AG_{93}	49.5513	0.46	2	DWF
173377 2000 BZ	7.7051	0.24	2	DWF
173394 2000 CP_{137}	16.0933	0.28	2 1	DWF
173427 2000 GD_{141}	16.1322	0.17	2	DWF
173464 2000 QX_{154}	9.095	0.40−0.46	2	SWF
173490 2000 SP_{176}	6.332	0.09	1	SWF

Planet	Period	Variation	Note	Survey
173499 2000 SU_{309}	117.397	0.53	2	DWF
173515 2000 UY_{79}	17.784	0.58	2 p	SWF
173528 2000 WV_{1}			HN	DWF
173561 2000 YV_{137}	2.722	0.26	3	
173564 2001 AD_{22}	>5.05	>0.17		SWF
173571 2001 BU_{29}	2.39	0.38	1	SWF
173606 2001 EU_{8}	5.43	0.56	2	SWF
173614 2001 FN_{24}	4.698	0.82	2	SWF
173623 2001 FY_{51}	17.4		1 N	
173627 2001 FC_{66}	>4.95	>0.27		SWF
173678 2001 OM_{29}	>1.50	>0.18		SWF
173684 2001 OP_{100}	102.629	0.20	2	DWF
173748 2001 RW_{30}	5.2962	0.80	3	SWF
173781 2001 SB_{61}	3.27	0.24	2	SWF
173864 2001 TA_{206}	4.28418	0.23	2	DWF
173871 2001 TW_{235}	5.250	0.68−0.94	2	SWF
173878 2001 UN_{38}	2.974	0.20	1+	SWF
173885 2001 UA_{61}	5.034	0.13	1	SWF
173940 2001 WD_{39}	19.4761	0.13	2	DWF
173974 2001 XV_{127}	18.52	0.20	1+	SWF
173991 2001 XR_{170}	9.132	0.14−0.49	2	SWF
174000 2001 XE_{233}	4.48	0.36	2	SWF
174008 2001 YW_{8}	>5.42	>0.88		SWF
174054 2002 CC_{57}	6.62	0.71	2+	SWF
174092 2002 GV_{150}	>1.78	>0.22		SWF
174120 2002 JC_{146}	S 34.8838		2 p N	LCI-W
174136 2002 NR_{15}	2.316	0.10	1	SWF
174292 2002 SG_{50}	3.87	0.11	2	SWF
174424 2002 WY_{13}	7.88421	0.60	2	DWF
174473 2003 AX_{16}	3.16	0.34	2	SWF
174497 2003 BG_{22}	16.847	0.36	2	SWF
174511*2003 BH_{77}	5.03	0.26−0.59	2	SWF
174542 2003 FE	5.119	0.37	2	SWF
174547 2003 FF_{62}	>5.42	>0.54		SWF
174554 2003 FB_{86}	76.3325	0.18	2	DWF
174558 2003 FB_{99}	>5.42	>0.27		SWF
174567 Varda	5.91	0.04	2− B	
174586 2003 QQ_{39}	3.49	0.25	2−	SWF
174599 2003 QM_{70}	32.1	0.21	1+	
174606 2003 RP_{21}	5.666	0.80	2	SWF
174607 2003 RE_{27}	60.707		2−	SWF
174621 2003 SX_{66}	34.	0.6	1+	
174622 2003 SN_{67}	6.059		2−	SWF
174633 2003 SM_{110}	3.579	0.19	3	
174643 2003 SF_{145}	12.31	1.3	1	SWF
174655 2003 SZ_{194}	4.638	0.39	2	SWF
174656 2003 SD_{195}	5.370	0.57	2	SWF
174659 2003 SV_{207}	155.886	0.21	2	DWF
174671 2003 SW_{251}	4.434	0.39	2	SWF
174679 2003 SD_{303}	26.620		2−	SWF
174680 2003 SC_{304}	4.350	0.69−0.79	2	SWF
174690 2003 UG_{19}	3.46066	0.21	2	DWF
174692 2003 UY_{25}			HN	DWF
174707 2003 UP_{103}	54.4816	0.17	2	DWF
174751 2003 UQ_{276}	2.878	0.23	2	SWF
174790 2003 WZ_{123}	5.49	0.52	2	SWF
174797 2003 WL_{146}	15.3427	0.15	2	DWF
174830 2003 YY_{79}	42.158	0.49	2	SWF
174837 2003 YP_{112}	42.970	0.87	2	SWF
174846 2003 YE_{153}	24.4143	0.25	2	DWF
174934 2004 CP_{62}	85.6061	0.13	2	DWF
174946 2004 CF_{85}	9.32	0.56	2	SWF
174976 2004 DA_{46}	107.287	0.26	2	DWF
175047 2004 FK_{93}	3.256	0.22	1	SWF
175064 2004 GP_{13}	56.3187	0.23	2	DWF
175110 2004 NF_{9}	7.80	0.83	2	SWF
175114 2004 QQ	8.879	0.11−0.12	2+ A	
175124 2005 AB_{10}	5.19612	0.70	2	DWF
175179 2005 EC_{160}	>5.48	>0.22		SWF
175245 2005 JZ_{15}	4.452	0.15	1	SWF
175270 2005 JL_{145}	>5.48	>0.31		SWF
175305 2005 MM_{3}	133.692	0.45	2	DWF
175313 2005 MF_{15}	4.92	0.77	2	SWF
175345 2005 NP_{108}	8.08	0.57	2	SWF
175347 2005 NV_{122}	7.250	0.37−0.39	2	SWF
175394 2006 MD_{15}	13.9811	0.52	2	DWF
175412 2006 PA_{9}	7.96	0.50	1 DA	SWF
175487 2006 RW_{35}	11.13	0.16	1+	SWF
175506 2006 SO_{2}	2.799	0.12	1	SWF
175611 2006 VF_{31}	10.50	0.46	2	SWF

Planet	Period	Variation	Note	Survey
175656 3397 $T-3$	4.23	0.55	2+	SWF
175660 1981 QC_{3}	5.06056	0.27	2	DWF
175668 1994 AZ_{9}	3.68	0.93	2	SWF
175706 1996 FG_{3}	3.5942	0.04−0.2	3 p B	
175799 1999 RT_{147}	6.004	0.26	2	SWF
175809 1999 RU_{182}	202.127	0.82	2	SWF
175811 1999 RS_{193}	5.53609	0.34	2	DWF
175821 1999 TB_{31}	5.39	0.73	2	SWF
175847 1999 TF_{293}	7.678	0.50	2	SWF
175856 1999 UQ_{56}	4.960	0.27	2	SWF
175880 1999 VD_{185}	220.87	0.31	2	DWF
175908 2000 AK_{43}	74.7887	0.16	2 A	DWF
175958 2000 HZ_{78}	184.601	0.37	2	DWF
176010 2000 RV_{87}			HN	DWF
176043 2000 SW_{294}	4.821	0.43	2	SWF
176045 2000 SX_{309}	44.4873	0.31	2	DWF
176111 2001 DY_{9}	6.290	0.80	2	SWF
176124 2001 DL_{90}	9.59904	0.57	2	DWF
176125 2001 DN_{99}	11.4328	0.56	2	DWF
176132 2001 FF_{11}	5.57	0.85	2	SWF
176138 2001 FW_{61}	>5.38	>0.27		SWF
176139 2001 FA_{62}	5.13	0.81	2	SWF
176164 2001 JR_{3}	4.19349	0.39	2	DWF
176193 2001 OV_{63}	287.787	0.17	2	DWF
176290 2001 SL_{57}	4.5106	0.32	2	DWF
176307 2001 SK_{164}	9.12975	0.24	2	DWF
176353*2001 TK_{84}	2.63762	0.18−0.30	1	DWF
176377 2001 TE_{235}	>5.48	>0.14		SWF
176394 2001 UA_{86}	>1.97	>0.39		SWF
176412 2001 VW_{1}	6.74316	0.31	2	DWF
176422 2001 VU_{26}	6.939	0.69	2	SWF
176436 2001 WV_{24}	117.277	0.33	2	DWF
176472 2001 XG_{149}	7.43	0.46	2	SWF
176505 2001 YF_{29}	5.34	0.56	2−	
176534 2002 AK_{10}	38.3914	0.23	2	DWF
176537 2002 AA_{17}	6.60	0.30	2−	SWF
176596 2002 CV_{245}	4.34527	0.14	2	DWF
176628 2002 JP_{115}			HN	DWF
176636 2002 LT_{42}	13.1715	0.13	2	DWF
176637 2002 LD_{43}	1.65	0.18	2	SWF
176641 2002 NQ_{9}	11.48	0.37	2	DWF
176663 2002 OO_{27}	11.940		2−	SWF
176731 2002 RZ_{48}	453.151	0.44	2	DWF
176756 2002 RQ_{139}	209.655	0.24	2	DWF
176829 2002 TH_{166}	14.596	0.77	2	SWF
176865 2002 TB_{296}	69.465	0.59	2	SWF
176915 2002 VW_{83}	2.76358	0.21	2	DWF
176929 2002 VW_{121}	4.370	0.10	1	SWF
176932 2002 VC_{139}	5.3		1 N	
176988 2002 YR_{29}	7.732	0.69−0.91	2	SWF
177002*2003 AG_{59}	3.14	0.30−0.37	2	SWF
177012 2003 BU_{24}	10.58	0.45	3−	
177054 2003 EY_{35}	2.72	0.45	2	SWF
177074 2003 FD_{34}	>5.15	>0.31		SWF
177075 2003 FR_{36}	6.818	0.37	2+	
177084 2003 FZ_{56}	6.06	0.68	2	SWF
177109 2003 GZ_{2}	11.85	0.47	2	SWF
177131 2003 HN_{51}	4.65	0.76	2	SWF
177183 2003 ST_{263}	6.33	0.96	2	SWF
177200 2003 UL_{86}	4.51	0.33	2+	
177287 2003 WF_{166}	507.754	0.62	2	DWF
177288 2003 XF	7.33	0.65	2	SWF
177302 2003 YB_{7}	7.735	0.88	2	SWF
177304 2003 YZ_{12}	14.76	0.61	1 DA	SWF
177309 2003 YX_{19}	>5.48	>0.15		SWF
177322 2003 YX_{43}	2.584	0.07	1	SWF
177325 2003 YJ_{49}	14.018	0.41	2	SWF
177450 2004 DH_{11}	2.45	0.48	2	SWF
177483 2004 EJ_{18}	233.465	0.37	2	DWF
177510 2004 EP_{64}	6.255	0.73	2	SWF
177607 2004 HD_{1}	3.754	0.38	2	SWF
177682 2005 ED_{232}			HN	DWF
177685 2005 EE_{264}	30.956	0.41	2	SWF
177724 2005 GZ_{223}	7.840	0.53	2	SWF
177726 2005 HX_{4}	4.97	0.44	2	SWF
177743 2005 JA_{43}	33.2548	0.34	2	DWF
177772 2005 JJ_{168}	327.719	0.20	2	DWF
177798 2005 LR_{45}	4.205	0.48	2	SWF
177874 2005 QM_{74}			HN	DWF
177945 2005 WO_{60}	23.7876	0.17	2	DWF

Planet	Period	Variation	Note	Survey
177961 2006 PQ_{8}	9.545	0.26−0.65	2	SWF
178014 2006 RG	16.27	0.48	2	SWF
178018 2006 RN_{8}	20.87	0.41	2	SWF
178044 2006 RT_{92}	30.	0.24	1	SWF
178104 2006 SJ_{281}	18.4552	0.18	2	DWF
178140 2006 TY_{70}	76.0835	0.41	2	DWF
178170 2006 US_{53}	3.04	0.21	1+	SWF
178173 2006 UG_{68}	>1.93	>0.22		SWF
178204 2006 VK_{13}	>4.82	>0.29		SWF
178296 1992 SM_{6}			HN	DWF
178303 1993 TB_{27}	8.640	0.68	2	SWF
178391 1998 FH_{1}	>3.72	>0.16		SWF
178414 1998 RH_{34}			HN	DWF
178419 1998 RR_{78}	3.798		2−	SWF
178431 1998 TE_{3}	38.9266	0.25	2	DWF
178461 1999 RY_{75}			HN	DWF
178499 1999 TK_{125}	5.456		2−	SWF
178533 1999 TB_{319}	5.207	0.52	2	SWF
178581 1999 XC_{66}	6.922	0.60	2	SWF
178618 2000 EQ_{168}	3.74216	0.27	2	DWF
178635 2000 HL_{89}	5.71802	0.33	2	DWF
178641 2000 JZ_{69}	64.1265	0.20	2	DWF
178655 2000 PO_{29}	3.75	0.29	2	SWF
178728 2000 SQ_{306}	>1.35	>0.19		SWF
178734 2000 TB_{2}	4.6	0.33	2−	
178787 2001 CR_{45}	6.13717	0.65	2	DWF
178854 2001 KR_{16}	5.68	0.52	2	SWF
178877 2001 NF_{13}	3.00486	0.10	2	DWF
178896 2001 OG_{58}	4.633	0.86	2	SWF
178900 2001 OL_{80}	11.2229	0.64	2	DWF
178906 2001 OV_{99}	111.001	0.17	2	DWF
178926 2001 QP_{33}	4.94112	0.32	2	DWF
178950 2001 QK_{136}	4.93931	0.23	2	DWF
178955 2001 QH_{180}	23.6409	0.63	2	DWF
178962 2001 QO_{211}	5.97632	0.27	2	DWF
179055 2001 SE_{46}	53.9812	0.26	2 1	DWF
179118 2001 SU_{249}	106.161	0.26	2	DWF
179138 2001 SU_{316}	3.72	0.96	2	SWF
179151 2001 TD_{21}	17.673	0.18	2	SWF
179210 2001 TJ_{202}	33.4639	0.16	2	DWF
179212 2001 TK_{213}	20.9505	0.43	2	DWF
179333 2001 XX_{8}	19.004	0.75	2	SWF
179343 2001 XW_{90}	7.779	0.76	2	SWF
179350 2001 XG_{123}	18.408	1.14	2	SWF
179413 2001 YM_{161}	16.817	1.24	2	SWF
179414 2002 AD_{3}	8.64846	0.70	2	DWF
179458 2002 AQ_{177}	29.897	0.51	2	SWF
179485 2002 CC_{22}	3.10317	0.24	2 A3	DWF
179530 2002 CA_{196}	S 9.61289		2 p N	LCI-W
179537 2002 CY_{234}	11.37	0.74	2	SWF
179544 2002 CA_{292}	>1.90	>0.27		SWF
179572 2002 FY_{11}	13.41	1.19	2	SWF
179596 2002 NS_{17}			HN	DWF
179604 2002 NO_{47}	31.426	0.54	2	SWF
179657 2002 QP_{14}	399.661	0.32	2	DWF
179738 2002 RB_{118}	7.401	0.36	2	SWF
179800 2002 TN_{38}			HN	DWF
179806 2002 TD_{66}	9.455	1.16	3− T0	
179839 2002 TY_{220}	34.6803	0.35	2	DWF
179851 2002 TP_{253}			HN	DWF
179854 2002 TT_{258}	3.54914	0.27	2	DWF
179883 2002 UE_{16}	34.	0.6	1+	SWF
179924 2002 VM_{59}	2.196	0.13	1	SWF
179938 2002 VK_{88}	15.603	0.10	1	SWF
179943 2002 VA_{106}	2.246	0.10	1	SWF
179973*2002 XZ_{36}	4.87	0.65−0.71	3−	SWF
179977 2002 XA_{43}	121.405	0.21	2	DWF
180002 2002 YD_{4}	5.506	0.39	2	SWF
180016*2003 AW_{1}	14.474	0.14−0.55	2	SWF
180022 2003 AD_{16}	4.182	0.42	2	SWF
180095 2003 EA_{46}	3.942	0.44	2	SWF
180169 2003 HU_{15}	37.5905	0.35	2	DWF
180201*2003 ST_{251}	6.631	0.75−1.00	2	SWF
180203 2003 SU_{259}	5.25	0.26	2	SWF
180257 2003 WM_{3}	52.981	0.87	2	SWF
180266 2003 WQ_{34}	5.638	0.64	2	SWF
180280 2003 WO_{73}	>3.72	>0.48		SWF
180295 2003 WQ_{120}	6.158	0.08	1	SWF
180305 2003 WD_{151}	7.35152	0.15	2	DWF
180318 2003 XE_{12}	53.668	0.64	2	SWF
180346 2003 YA_{64}	85.4378	0.22	2	DWF
180355 2003 YK_{78}	4.337	0.57	2	SWF
180380 2003 YO_{139}	9.990	0.43	2	SWF
180406 2004 BJ_{29}	31.9457	0.36	2	DWF
180408 2004 BV_{36}	3.04	0.32	1+	SWF
180417 2004 BH_{56}	53.4709	0.29	2	DWF
180420 2004 BZ_{72}	7.54193	0.21	2	DWF
180448 2004 BQ_{124}			HN	DWF
180477 2004 CF_{56}	>5.30	>0.27		SWF
180511 2004 DC_{10}	13.288	0.25	2	SWF
180514 2004 DB_{21}	4.095	0.24	2	SWF
180572 2004 ER_{102}	5.27	0.91	2	SWF
180628 2004 FE_{137}	25.918	0.62	2	SWF
180733 2004 JH_{42}	9.418	0.64	2	SWF
180785 2004 RE_{152}	5.25	0.73	2	SWF
180789 2004 RU_{216}	19.4408	0.17	2	DWF
180793 2004 XL_{23}	209.664	0.50	2	DWF
180852 2005 GA_{167}	36.402	0.24	2	DWF
180911 2005 KN_{11}	60.7449	0.38	2	DWF
180919 2005 LU_{14}	57.756	0.64	2	SWF
180932 2005 LG_{31}	4.03161	0.26	2	DWF
180962 2005 MW_{35}	147.427	0.43	2	SWF
181044 2005 PE_{1}	27.940	0.37	2	SWF
181050 2005 PB_{5}	12.827	0.61	2	SWF
181082 2005 QC_{37}	5.10	0.25	1+	
181153 2005 RL_{22}	131.3	0.27	2	DWF
181166 2005 SZ_{24}	2.83194	0.25	2	DWF
181179 2005 SV_{77}			HN	DWF
181200 2005 SO_{155}	>0.55	>0.14		SWF
181249 Tkachenko	2.19	0.06	1+	
181289 2006 OF_{17}	6.887	0.63	2	SWF
181290 2006 OU_{20}	2.24	0.2	1	SWF
181292 2006 PR_{10}	8.373	0.47	2	SWF
181293 2006 PB_{12}	6.160	0.60	2	SWF
181333 2006 QX_{113}	10.879	0.82	2	SWF
181355 2006 RY_{42}	6.054	0.22	1	SWF
181455 2006 TL_{35}	16.6919	0.46	2	DWF
181458 2006 TH_{44}	>2.92	>0.17		SWF
181464 2006 TL_{54}	4.628	0.10	1	SWF
181508 2006 UC_{45}	>1.97	>0.74		SWF
181512*2006 UT_{70}	5.748	0.76	3−	
181570 2006 VZ_{21}	10.43	0.64	2	SWF
181600 2006 WN_{34}	4.230	0.53	2	SWF
181783 1998 BV_{14}	15.3361	0.18	2	DWF
181817 1998 RL_{58}	4.17	1.13	2	SWF
181823 1998 SK_{12}	>2.48	>0.31		SWF
181826 1998 SP_{49}	2.984	0.06	1	SWF
181855 1998 WT_{31}		>0.05	N	
181856 1998 XV_{3}	43.703	0.27	2	SWF
181880 1999 PE_{7}	4.47	0.61	2−	SWF
181882 1999 RF_{14}	2.5	0.20	1 T?	
181895 1999 RM_{155}	2.711	0.08	1	SWF
181899 1999 RM_{178}	>3.72	>0.29		SWF
181931 1999 TJ_{138}	3.662	0.24	3	
181946 1999 TM_{203}	14.250	0.68	2	SWF
181958 1999 UL_{7}	5.37337	0.35	2	DWF
181966 1999 UA_{42}	2.24	0.43	2	SWF
181975 1999 VK_{35}	211.446	0.17	2	DWF
182015 1999 XH_{248}	69.1238	0.45	2	DWF
182028 2000 AL_{194}	230.399	0.55	2	DWF
182169 2000 SQ_{216}	6.06758	0.28	2	DWF
182178 2000 SR_{282}		1.25	I	
182196 2000 UT_{45}	6.7	0.10	2−	SWF
182213 2000 WU_{122}	2.70	0.29	3−	SWF
182217 2000 WR_{163}	>4.35	>0.30		SWF
182220 2000 XP_{29}	35.691	0.32	2	SWF
182259*2001 FZ_{185}	3.836	0.11	2 A	
182297 2001 MH_{14}	43.767	0.85	2	SWF
182303 2001 NR_{22}			HN	DWF
182310 2001 OO_{43}	9.87565	0.31	2	DWF
182329*2001 PH_{15}	51.543	0.72−0.88	2	SWF
182341 2001 QP_{3}	5.01232	0.31	2	DWF
182380 2001 QR_{230}	8.196	0.86	2	SWF
182404 2001 RE_{32}	1.5564	0.41	2 1	DWF
182418 2001 RW_{88}	61.21	0.47	2	DWF
182420 2001 RQ_{99}	4.148	0.17	2	SWF
182445 2001 SD_{30}		1.66	I	
182453 2001 SB_{53}	5.21245	0.24	2	DWF
182459 2001 SZ_{72}	241.59	0.49	2	DWF
182464 2001 SH_{88}	4.580	0.73	2	SWF

Planet	Period	Variation	Note	Survey
182476 2001 SD_{116}	S 5.86414		2 p N	LCI-W
182481 2001 SG_{136}	>1.02	>0.21		SWF
182517 2001 SC_{294}	>0.97	>0.85		SWF
182538 2001 TO_{39}	4.811	0.54	2	SWF
182541 2001 TP_{51}	>2.75	>0.16		SWF
182557 2001 TW_{114}	51.119	0.26	2	DWF
182578 2001 TF_{175}	15.3462	0.14	2	DWF
182582 2001 TK_{192}	25.9032	0.26	2	DWF
182644 2001 UH_{162}	6.284	0.61	2	SWF
182669 2001 UZ_{214}	>1.28	>0.15		SWF
182689 2001 VL_{46}	169.429	0.30	2	DWF
182703 2001 VD_{124}	4.915	0.74	2	SWF
182711 2001 WZ_{16}	4.840	0.89	2	SWF
182731 2001 XW_{1}	20.4721	0.37	2	DWF
182756 2001 XZ_{148}	2.774	0.08	1	SWF
182775 2001 XC_{256}	187.245	1.19	2	DWF
182906 2002 EV_{68}	3.06	0.19	2	SWF
182933 2002 GZ_{31}			BHN	
182938 2002 GK_{48}	2.1681	0.18	2	DWF
182953 2002 HN_{17}	11.858	0.50	2	SWF
182967 2002 LK_{22}	34.175	0.08	1	SWF
183017 2002 PV_{93}	>5.40	>0.27		SWF
183019 2002 PG_{96}			HN	DWF
183023 2002 PG_{113}	22.8137	0.18	2	DWF
183039 2002 QG_{25}	>3.72	>0.37		SWF
183050 2002 QV_{70}	39.635	0.78	2	SWF
183085 2002 RZ_{59}	>1.78	>0.38		SWF
183096 2002 RP_{98}	63.0274	0.44	2	DWF
183102 2002 RM_{110}			HN	DWF
183122 2002 RX_{174}	3.990	0.40	2	SWF
183130 2002 RR_{201}	3.60	0.37	2	SWF
183181 2002 SH_{50}	>5.40	>0.09		SWF
183201 2002 TE_{17}	>1.33	>0.09		SWF
183202 2002 TP_{17}	2.69	0.17	2	SWF
183209 2002 TW_{28}	24.031		2−	SWF
183219 2002 TN_{37}	3.481	0.10	1+	SWF
183222 2002 TN_{41}	2.482	0.08	1	SWF
183263 2002 TG_{215}	49.831	0.56	2	SWF
183277 2002 TV_{261}	2.62	0.19	2	SWF
183282 2002 TM_{283}	3.654	0.23	2	SWF
183298 2002 UB_{14}	2.7985	0.20	1	SWF
183300 2002 UH_{19}	294.817	0.64	2	SWF
183303 2002 UU_{33}	6.006	0.48	2	SWF
183371 2002 XP_{20}	3.381	0.47−0.48	2	SWF
183376 2002 XM_{30}	6.689	0.53	2	SWF
183392 2002 XU_{72}	2.32	0.18	1	SWF
183421 2003 AX_{17}	61.3162	0.19	2	DWF
183451 2003 BV_{18}	1.32304	0.18	2	DWF
183454 2003 BK_{24}	10.1711	0.16	2	DWF
183460 2003 BT_{52}	187.139	0.48	2	SWF
183498 2003 EN_{47}	10.099	0.65	2	DWF
183520 2003 FR_{90}	81.3774	1.46	2	DWF
183532 2003 GC_{27}	5.08	0.84−0.85	3−	
183581 2003 SY_{84}	260.	0.87	2 T?	
183582 2003 SM_{127}	8.73372	0.40	2	DWF
183587 2003 SZ_{246}	34.53	0.62	2	SWF
183597 2003 UT_{14}	9.578	0.57−0.95	2	SWF
183609 2003 UV_{160}	5.39	0.70	2	SWF
183635 Helmi	3.045		2−	SWF
183705 2003 YR_{50}			HN	DWF
183708 2003 YF_{52}	6.519	0.77	2	SWF
183712 2003 YY_{61}	39.546	0.56	2	SWF
183728 2003 YK_{99}	4.97431	0.47	2	DWF
183785 2004 BG_{29}	5.42	0.59	2	SWF
183841 2004 BR_{110}	>5.42	>0.16		SWF
183849 2004 BO_{134}	7.75587	0.25	2	DWF
183870 2004 CQ_{36}	10.917	0.73	2	SWF
183944 2004 DS_{34}	6.396	0.66−0.67	2	SWF
183977 2004 EP_{28}	4.680		2−	SWF
184075 2004 GU_{20}	14.4206	0.36	2	DWF
184132 2004 JN_{14}	4.16	0.33	2−	SWF
184135 2004 JA_{17}	32.053	0.22	2	SWF
184175 2004 NT_{28}	9.857	0.71	2	SWF
184180 2004 NN_{33}	>1.78	>0.15		SWF
184205 2004 PJ_{81}	42.3075	0.30	2	DWF
184208 2004 PR_{94}	>2.02	>0.33		SWF
184222 2004 RA_{68}	6.808	0.47	2	SWF
184237 2004 RM_{206}	7.532	0.70	2	SWF
184266 2004 VW_{14}	2.5009	0.14	3 N	
184292 2005 EK	4.34	0.45	2	SWF

Planet	Period	Variation	Note	Survey
184349 2005 JV			HN	DWF
184384 2005 LA_{18}	6.063	0.41−0.56	2	SWF
184388 2005 LG_{44}	17.65	0.96	2	SWF
184483 2005 OX_{14}	6.998	0.63	2	SWF
184519 2005 QU_{10}	16.197	1.00	2	SWF
184583 2005 QY_{113}	4.666	0.49	2	SWF
184616 2005 RE_{11}	375.355	0.86	2	SWF
184632 2005 SO_{9}	5.622	0.32−0.49	2	SWF
184640 2005 SF_{20}	3.87525	0.32	2	DWF
184696 2005 SO_{111}	4.388	0.37	2	SWF
184734 2005 SC_{190}	4.41	0.56	2	SWF
184736 2005 SV_{204}			HN	DWF
184753 2005 SF_{253}	25.0765	0.16	2	DWF
184950 2005 WT_{83}	>3.72	>0.36		SWF
184953 2005 WL_{91}	S 6.09104		2 p N	LCI-W
184973 2005 YN_{8}	5.330	0.50	2	SWF
184987 2006 DY_{157}	4.71846	0.22	2	DWF
184989 2006 KA_{56}	>5.35	>0.42		SWF
184990*2006 KE_{89}	5.187	0.12−0.28	2	
185062 2006 RL_{30}	175.147	0.40	2	DWF
185077 2006 RL_{71}	4.53	0.67	3−	SWF
185085 2006 RG_{92}	220.	0.4	1	SWF
185086 2006 RP_{92}	9.076	0.90−0.97	2	SWF
185090 2006 RQ_{97}			HN	DWF
185126 2006 SZ_{74}	>5.33	>0.23		SWF
185199 2006 TB_{25}	7.74	0.44	2	SWF
185213 2006 TN_{53}	5.48	0.55	1 DA	SWF
185224 2006 TG_{70}	>5.42	>0.21		SWF
185225 2006 TV_{74}	9.06	0.74	2	SWF
185360 2006 VZ_{88}	5.65	0.97	2	SWF
185362 2006 VG_{96}	11.661	0.65	2	SWF
185424 2006 XJ_{5}	10.5258	0.24	2	DWF
185438 2006 XW_{47}	5.007	0.39	2	SWF
185492 2007 HA_{8}	295.352	0.67	2	SWF
185506 2007 TJ_{315}	10.00	0.92	2	SWF
185570 2008 AA_{78}	9.14	0.74	2	SWF
185591 2008 BP_{35}	2.788	0.39	2	SWF
185664 1995 AW_{1}	>5.40	>0.27		SWF
185704 1998 OD_{8}	7.964	0.78−0.85	2	SWF
185722 1998 SF_{93}	>4.23	>0.41		SWF
185756 1999 TM_{9}	5.077	0.33	2	SWF
185773 1999 TO_{232}	4.156	0.30	2	SWF
185814 1999 XH_{62}	34.656	0.27	2	SWF
185823 2000 AA_{28}	8.574	0.84	2	SWF
185831 2000 AO_{219}			HN	DWF
185843 2000 CW_{113}	13.52	0.22	2	SWF
185851 2000 DP_{107}	2.7754	0.13−0.19	3 p B	
185854 2000 EU_{106}	3.505	0.46−0.55	3	
185877 2000 OB_{8}	2.076	0.06	1	SWF
185885 2000 QN_{62}	26.7706	0.14	2	DWF
185914 2000 SJ_{203}	>4.35	>0.43		SWF
185935 2000 UK_{108}	1.37336	0.14	2	DWF
185943 2000 YB_{98}	4.92	0.24	2	SWF
185951 2001 DE_{8}	2.30	0.41	2	SWF
185955 2001 DX_{55}			HN	DWF
185962 2001 FH_{75}	>1.33	>0.10		SWF
185967 2001 HR_{15}	91.5353	0.22	2	DWF
186035*2001 RX_{80}	21.4	0.52−0.65	2	
186047 2001 SA_{18}			HN	DWF
186051 2001 SO_{50}	105.245	0.25	2	DWF
186052 2001 SX_{51}			HN	DWF
186080 2001 SO_{230}	8.302	0.90	2	SWF
186106 2001 TW_{56}	>1.35	>0.17		SWF
186109 2001 TH_{80}	4.220	0.46	2 p	SWF
186172 2001 UR_{150}	60.050	0.96	2	SWF
186188 2001 VU_{48}	3.71106	0.37	2	DWF
186189 2001 VM_{54}	16.196	0.26	2	SWF
186193 2001 VF_{90}	1.8706	0.10	2	DWF
186229 2001 XF_{43}	26.1307	0.16	2	DWF
186243 2001 XZ_{157}	22.0422	0.22	2	DWF
186247 2001 XY_{191}	6.25892	0.14	2	DWF
186260 2001 YZ_{18}	91.4836	0.32	2	DWF
186265 2001 YS_{67}	27.8943	0.09	2	DWF
186266 2001 YF_{97}	76.9053	0.29	2	DWF
186278 2002 AY_{96}	2.56852	0.15	2	DWF
186287 2002 AU_{187}	4.333	0.65	2	SWF
186321 2002 CZ_{274}	3.248	0.40	2	SWF
186331 2002 EU_{20}	31.961	0.38	2	DWF
186435 2002 RU_{124}	275.348	0.21	2	DWF
186440 2002 RE_{245}	>3.72	>0.77		SWF

Planet	Period	Variation	Note	Survey
186449 2002 SA_{43}	5.489	0.83	2	SWF
186454 2002 SU_{55}	6.178	0.71−0.78	2	SWF
186468 2002 TO_{42}	11.118	0.38	2	SWF
186473 2002 TH_{58}	6.65	0.16	2	SWF
186478 2002 TX_{76}	24.00	0.57	2	SWF
186490 2002 TB_{222}	5.05	0.83	2	SWF
186496 2002 TY_{299}			HN	DWF
186529 2002 VO_{67}	5.026	0.58	2	SWF
186530 2002 VX_{78}	5.322	0.75	2	SWF
186538 2002 VP_{109}	2.227	0.08	1	SWF
186546 2002 XL_{6}	9.870	0.46	2	SWF
186552 2002 XJ_{13}	602.032	0.28	2	DWF
186646 2003 QW_{64}	148.699	0.20	2	DWF
186649 2003 TK_{15}		1.5	I	
186652 2003 UY_{106}	5.22	0.95	2	SWF
186720*2004 BN_{106}	5.75	0.58	2	SWF
186772 2004 DQ_{20}	5.52	0.43−0.52	2	SWF
186859 2004 GW_{56}	54.724	0.38	2	SWF
186865 2004 HO_{24}	177.847	0.54	2	SWF
186870 2004 HM_{33}	4.75	1.07	2	SWF
186885 2004 JY_{27}	23.1034	0.32	2	DWF
186910 2004 LV_{25}	3.31377	0.21	2 1	DWF
186923 2004 PS_{51}	146.856	0.43	2	DWF
186924 2004 PD_{60}	S 23.8134		2 p N	LCI-W
187014 2004 TA_{297}	9.25	0.41	2−	SWF
187046 2005 LT_{23}	5.00	0.66	2	SWF
187060 2005 MX_{26}	8.125	0.78	2	SWF
187067 2005 MX_{41}	9.28	0.90	1 DA	SWF
187125 Marxgyörgy	310.089	0.40	2	DWF
187179 2005 SV_{44}	3.23	0.29	2	SWF
187203 2005 SB_{85}	>0.92	>0.66		SWF
187222 2005 SZ_{135}	>3.57	>0.33		SWF
187245 2005 SV_{190}	>1.07	>0.22		SWF
187254 2005 SL_{237}	6.443	0.64	2	SWF
187267 2005 TA_{32}			HN	DWF
187286 2005 TU_{72}	90.6567	0.22	2	DWF
187319 2005 US_{43}	8.36	0.37	2	SWF
187337 2005 UW_{108}	6.15	0.94	2−	SWF
187394 2005 UG_{501}	3.21304	0.18	2	DWF
187426 2005 WJ_{5}	2.3261	0.17	2	DWF
187427 2005 WH_{6}	7.859	0.31	2	SWF
187463 2005 XX_{106}	4.84	0.06	2	
187482 2006 RY_{32}	4.19	0.33	2	SWF
187547 2006 UG_{230}	71.8163	0.45	2	DWF
187572 2006 VV_{142}	10.057	0.71	2	SWF
187610 2006 YK_{37}	82.044	0.09	1	SWF
187612 2007 AN_{6}	>3.05	>0.33		SWF
187667 2008 BZ_{38}	6.49	0.92	2	SWF
187694 2008 DN_{59}	186.312	0.20	2	DWF
187732 2008 FM_{80}	>0.82	>0.12		SWF
187757 1996 UH_{4}	28.996	0.33	2	SWF
187820 1999 TP_{253}	11.237	0.60	2	SWF
187822 1999 UH_{7}	3.6421	0.24	2	DWF
187823 1999 UK_{16}	5.14773	0.70	2	DWF
187834 1999 VM_{121}	9.4	0.20	2−	
187847 1999 XM_{138}	10.0166	0.36	2	DWF
187876 2000 QT_{104}	280.728	0.20	2	DWF
187902 2000 SJ_{339}	10.9103	0.73	2	DWF
187926 2001 BH_{31}	2.695	0.14−0.17	2	SWF
187931 2001 DN_{107}	4.95	0.64	2	SWF
187945 2001 KJ_{43}	>1.72	>0.28		SWF
187974 2001 QV_{118}	16.578	0.38	2	SWF
187975 2001 QQ_{155}	2.89	0.69	2	SWF
187989 2001 RF_{101}			HN	DWF
188039 2001 UG_{174}	10.121	0.49	2	SWF
188077 2001 XW_{47}	525.	0.3	2− T0	
188101 2001 YQ_{66}	S 5.64836		2 p N	LCI-W
188119 2002 AV_{183}	44.0941	0.26	2	DWF
188122 2002 CH	249.39	0.56	2	DWF
188145 2002 EW_{81}	>1.35	>0.10		SWF
188159 2002 GQ_{98}	4.60	0.73	2	SWF
188162 2002 GK_{109}	5.813	0.51	2	SWF
188174 2002 JC	2.472	0.26−0.40	3	
188181 2002 JH_{108}	7.221	0.52	2	SWF
188189 2002 PL_{84}	7.615	0.64	2	SWF
188216 2002 TS_{37}	31.3	0.48	2	
188228 2002 TH_{267}	>10.	>0.2	1 N	
188291 2003 BV_{67}			HN	DWF
188346 2003 SC_{302}	29.7942	0.57	2	DWF
188359 2003 YC_{138}	>2.32	>0.32		SWF

Planet	Period	Variation	Note	Survey
188368 2004 BS_{78}	7.645	0.68	2	SWF
188449 2004 HV_{41}	8.21	0.42	2−	SWF
188452 2004 HE_{62}	5.36	1.15	2+	
188533 2004 RC_{242}	12.50	0.70	2	SWF
188540 2004 RZ_{320}	9.472	0.31	2	SWF
188544 2004 SC_{13}	17.3255	0.16	2	DWF
188599 2005 OW_{15}	7.362	0.55−0.60	2	SWF
188626 2005 QV_{45}	9.238	0.35	2	SWF
188645 2005 RL_{33}	4.97	0.76	2	SWF
188726 2005 UX_{41}	71.9271	0.36	2	DWF
188795 2005 VD_{113}	52.3407	0.26	2	DWF
188805 2005 WT_{88}	5.820	0.32	2	SWF
188892 2006 XM_{19}	64.703	0.91	2	SWF
188936 2007 CD_{58}	4.77959	0.20	2	DWF
188967 2008 CW_{153}	40.506	0.55	2	SWF
188980 2008 FR_{15}	>1.98	>0.26		SWF
189008*1996 FR_{3}	5.36	0.42−0.57	3−	
189020 1998 YU_{3}	2.96494	0.23	2	DWF
189023 1999 NV_{19}	2.113	0.08	1	SWF
189028 1999 TM_{209}	23.2059	0.21	2	DWF
189039 2000 LA_{25}	12.875	0.28	2	SWF
189071 2001 BH_{83}	543.487	0.37	2	DWF
189099 2001 RO	5.7161	0.09−0.10	3	
189101 2001 RW_{112}			HN	DWF
189150 2002 HV_{7}	>1.78	>0.14		SWF
189187 2003 EY_{24}	19.243	0.77	2	SWF
189218 2004 DC_{37}	41.2	0.19	2−	
189260 2004 WY_{8}	S 5.99141		2 p N	LCI-W
189265 2005 GN_{179}	4.908	0.60	3	
189296 2005 UT_{407}	15.54	0.89	2+	
189309 2005 YJ_{213}	>1.35	>0.15		SWF
189375 2008 FD_{70}	8.11	0.47	2	SWF
189427 1997 TE_{5}	8.14	0.62	2	SWF
189473 1999 TK_{219}	17.599	0.45	2	SWF
189481 1999 UD_{38}	81.5306	0.51	2	DWF
189545 2000 RT_{36}	3.259	0.22	2	SWF
189597 2000 WG_{119}	14.060	0.42	2	SWF
189607 2000 XR_{36}	103.615	0.79	2	DWF
189611 2000 YE_{49}	50.457	0.50	2	SWF
189614 2000 YV_{143}	53.5601	0.33	2	DWF
189622 2001 DZ_{52}	50.9414	0.45	2	DWF
189700 2001 TA_{45}	5.00	0.27	2	
189707 2001 TD_{148}	>1.5	>0.16		SWF
189740 2001 XA_{80}	9.32	0.37	2	SWF
189741 2001 XG_{97}	44.349	0.10	1	SWF
189772 2002 CQ_{78}	5.96	0.70	2	SWF
189796 2002 GL_{2}	27.336	0.48	2	SWF
189809 2002 LO_{19}	>0.98	>0.54		SWF
189844 2003 DO_{7}	>1.97	>0.45		SWF
189845 2003 EA_{12}	53.594	0.71	2	SWF
189855 2003 GQ_{9}	10.812	0.51	2	SWF
189861 2003 HW_{34}	9.47	0.73	2	SWF
190007 2004 LM_{13}	5.19	0.68	2	SWF
190018 2004 PU_{16}	25.2244	0.32	2	DWF
190079 2004 TL_{21}	57.936	0.18	2	DWF
190091 2004 TU_{135}	5.575	0.85	2	SWF
190113 2004 UX_{2}	5.52	0.64	2	SWF
190120 2004 VS_{72}	>0.90	>0.43		SWF
190135 2005 QE_{30}		0.45	N	
190166 2005 UP_{156}	40.542	0.5 −1.35	3 B	
190186 2005 WM_{31}	15.170	0.20−0.27	2	SWF
190190 2005 WD_{88}	>5.48	>0.17		SWF
190208 2006 AQ	182.	0.25	3− B?	
190254 2007 GR_{44}	3.28	0.30	1+	SWF
190255 2007 HG	4.405	0.26	2	SWF
190277 6227 P–L			HN	DWF
190289 1994 PR_{15}	3.765	0.56	2	SWF
190312 1997 TK_{27}	>1.78	>0.36		SWF
190345 1998 UR_{14}	>24.	>1.		SWF
190395 1999 TR_{109}	126.015	0.53	2	SWF
190412 1999 TN_{267}	10.435	0.84	2	SWF
190413 1999 TN_{284}	36.795	0.43	2	SWF
190425 1999 VM_{137}	6.00	0.81	3−	SWF
190428 1999 VS_{159}	61.792	0.52	2	SWF
190439 1999 XQ_{203}	1.69255	0.26	2 1	DWF
190453 2000 AQ_{235}	6.76	0.96	1 DA	SWF
190491 2000 FJ_{10}	2.46	0.20	2−	
190509 2000 HX_{47}	>1.72	>0.40		SWF
190564 2000 SU_{128}	15.254	0.58−0.60	2	SWF
190580 2000 SB_{295}	2.73	0.35	2	SWF

Planet	Period	Variation	Note	Survey
190584 2000 SH_{311}	5.36	0.49	2	SWF
190620 2000 WC_{39}	6.19	0.69	2	SWF
190629 2000 WT_{114}	5.71	0.71	2	SWF
190631 2000 WT_{129}			HN	DWF
190637 2000 WE_{155}	9.35	0.9	2	
190650 2000 XN_{40}	16.606	0.21	2	SWF
190658 2000 YA_{44}	6.27	0.26	2	SWF
190660 2000 YE_{67}	18.7305	0.15	2	DWF
190663 2000 YF_{88}	14.55	0.48	2	SWF
190691 2001 EG_{3}	159.265	0.22	2 1	DWF
190697 2001 FQ_{16}	4.66	0.90	1+	SWF
190928 2001 UL_{211}	>4.30	>0.40		SWF
190939 2001 VD_{33}	2.73	0.15	2	SWF
190951 2001 VU_{62}		1.05		SWF
190978 2001 XD_{101}	12.30	0.58	2−	
190991 2001 XQ_{238}		0.53		SWF
190996 2001 YY_{10}	>5.33	>0.17		SWF
191029 2002 BR	2.71	0.20	2	SWF
191044 2002 CQ_{31}	2.875	0.24	2	SWF
191045 2002 CG_{32}	27.373	0.28	2 1	DWF
191097 2002 EJ_{10}	9.68652	0.37	2	DWF
191111 2002 EU_{71}	11.43	0.97	2−	SWF
191119 2002 EY_{93}	>3.72	>0.22		SWF
191132 2002 GK_{23}			HN	DWF
191143 2002 GS_{102}	3.87	0.29	2	SWF
191145 2002 GH_{119}	6.152	0.61	2	SWF
191242 2002 XA_{35}	146.592	0.27	2	DWF
191243 2002 XJ_{60}	396.076	0.22	2 A	DWF
191277 2003 EN_{29}	4.93	0.72	2	SWF
191329 2003 OB_{18}	>5.30	>0.10		SWF
191372 2003 RP_{13}	5.40026	0.39	2	DWF
191486 2003 TL_{7}	36.4469	0.14	2	DWF
191530 2003 UX_{197}	1.78	0.56	2	SWF
191589 2004 FQ_{5}	5.047	0.46	3	
191605 2004 GA_{59}	75.7327	0.35	2	DWF
191608 2004 HP_{10}	6.210	0.63	2	SWF
191623 2004 NB_{1}	>2.02	>0.30		SWF
191658 2004 PG_{91}	3.689	0.12	2	SWF
191675 2004 RP_{38}			HN	DWF
191755 2004 SQ_{54}	5.242	0.43	2	SWF
191773 2004 TM_{73}			HN	DWF
191789 2004 TG_{132}	10.60	0.50	1+ DA	SWF
191799 2004 TL_{205}	5.305	0.69	2	SWF
191865 2004 XO_{28}	9.42	0.70	1 DA	SWF
191870 2004 XT_{76}	5.52	0.98	1+ A	SWF
191880 2004 XJ_{108}	8.36	0.19	2	SWF
191952 2005 UF_{117}	33.8531	0.24	2	DWF
191968 2005 VA_{43}	47.4383	0.16	2	DWF
191985 2005 WB_{111}	10.08	0.39	2	SWF
192002 2005 XB_{117}	4.910	0.62−0.65	2	SWF
192043 2006 AK_{14}	>1.33	>0.10		SWF
192109 2006 CK_{39}	3.736	0.34	2	SWF
192112 2006 CX_{56}	5.354	0.51	2	SWF
192123 2006 DJ_{59}			HN	DWF
192128 2006 DV_{94}	58.54	0.84	2	SWF
192131 2006 DD_{116}	9.584	0.43−0.45	2	SWF
192136 2006 DS_{160}	S 8.34054		2 p N	LCI-W
192180 2007 ED_{213}	16.615	0.16	2	DWF
192221 2007 RQ_{278}		1.21	I	
192223 2007 VM_{6}	10.03	0.70	2+	
192224 2007 VO_{6}	5.82	0.39	2	SWF
192280 3534 $T-3$	21.2691	0.17	2	DWF
192283 1981 EE_{3}	7.349	0.71	2	SWF
192297 1992 DX_{9}	>1.77	>0.14		SWF
192309 1993 TK_{26}	383.288	0.80	2	SWF
192368 1996 AT_{5}	16.88	0.15	2	DWF
192389 1996 RT_{29}		0.94	I	
192390 1996 RO_{30}	5.65	0.30	2	SWF
192451 1997 WQ_{42}	5.39	0.23	2	SWF
192508 1998 OP_{13}	5.51573	0.52	2	DWF
192513 1998 QZ_{103}	3.80057	0.52	2	DWF
192517 1998 RF_{20}	5.2675	0.42	2	DWF
192534 1998 SN_{80}	8.42	0.73	2−	SWF
192552 1998 TP_{26}	6.283	0.72	2	SWF
192573 1998 XL	8.07298	0.85	2 A	DWF
192591 1999 CE_{8}	4.59	0.80	2	SWF
192642 1999 RD_{32}	17.08	0.28	2	
192651 1999 RS_{80}	4.73	0.58−0.60	2	SWF
192665 1999 RS_{181}	5.45	0.55	2	SWF
192683 1999 SO_{27}	13.17	0.14	2− A	

Planet	Period	Variation	Note	Survey
192692 1999 TH_{41}	5.39	0.40	2	
192708 1999 TW_{102}	24.1335	0.18	2	DWF
192724 1999 TF_{157}	7.437	0.56	2	SWF
192765 1999 TV_{313}	3.351	0.32	2	SWF
192767 1999 TV_{319}	7.768	0.76−0.80	2	SWF
192769 1999 TF_{321}	20.370	0.76	2	SWF
192775 1999 UE_{16}	3.987	0.50−0.53	2	SWF
192796 1999 UR_{56}	5.0301	0.38	2	DWF
192802 1999 VO_{16}	6.193	0.96	2	SWF
192861 1999 VO_{220}	14.725	0.32	2	SWF
192869 1999 XB_{14}	3.90	0.35−0.40	2	SWF
192929 2000 AT_{44}	7.027	0.68	2	SWF
192931 2000 AW_{71}	27.8166	0.17	2	DWF
192932 2000 AQ_{92}	55.0897	0.29	2	DWF
192940 2000 AG_{206}	6.064	0.46−0.69	2	SWF
192950 2000 BQ_{2}	9.32763	0.21	2	DWF
192964 2000 CF_{127}	6.230	0.12		
193003 2000 EO_{2}	5.45	0.46	2	SWF
193008 2000 EH_{16}	5.85	0.66−0.93	3−	SWF
193022 2000 EA_{57}	35.069	0.44	2	DWF
193045 2000 FE_{6}	24.4277	0.19	2	DWF
193061 2000 GP	4.68	0.37	1+	SWF
193199 2000 QL_{139}	5.78	0.41	2	SWF
193212 2000 QE_{224}		0.54		SWF
193279 2000 SV_{212}	52.1652	0.21	2	DWF
193291 2000 SU_{236}		1.2	I	
193306 2000 SD_{285}	14.4193	0.23	2	DWF
193308 2000 SG_{300}	7.11	0.73	2	SWF
193313 2000 SR_{308}	157.002	0.52	2	SWF
193338 2000 UR_{4}	3.15	0.23	2	SWF
193369 2000 UH_{73}	4.694	0.26	2	SWF
193379 2000 VP_{19}	3.24	0.15	2	SWF
193381 2000 VK_{24}	>1.07	>0.10		SWF
193385 2000 VC_{30}	5.47	0.40	1	
193397 2000 WQ_{9}	6.405	0.78	2	SWF
193400 2000 WC_{18}	6.63	0.60	2	SWF
193436 2000 WB_{117}	5.68	0.88	2	SWF
193449 2000 WW_{146}	38.44	0.20	3	
193467 2000 XK_{17}	6.49	0.44−0.50	2	SWF
193468 2000 XL_{17}	8.16	1.04	2	SWF
193470 2000 XU_{19}	2.715	0.23−0.28	2	SWF
193476 2000 XR_{31}	14.006	0.42	2	SWF
193477 2000 XO_{36}	5.412	0.51−0.54	2	SWF
193478 2000 XN_{37}	5.073	0.79	2	SWF
193505 2000 YP_{36}	2.95	0.09	2	SWF
193514 2000 YA_{55}			HN	DWF
193517 2000 YR_{57}	2.08	0.13	2	SWF
193529 2000 YV_{86}	4.00	0.19	2	SWF
193542 2000 YC_{114}	4.49	0.34	2	SWF
193577 2001 BY_{1}	5.96	0.51	2	SWF
193582 2001 BF_{11}	34.4587	0.32	2	DWF
193585 2001 BB_{26}	S 8.14028		2 p N	LCI-W
193602 2001 BL_{70}	9.555	0.32	2	SWF
193622 2001 CR_{25}	12.80	0.27	2	SWF
193626 2001 CV_{31}	5.392	0.28	2	SWF
193644 2001 DL_{22}	5.415	0.38	2	SWF
193648 2001 DT_{30}	4.994	0.48	2	SWF
193656 2001 DK_{45}		0.63		SWF
193659 2001 DX_{53}	3.23	0.18	2	SWF
193667 2001 DU_{64}	3.725	0.48	2	SWF
193668 2001 DJ_{66}	4.584	0.30−0.44	2	SWF
193682 2001 EH_{14}	7.760	0.41	2	SWF
193709 2001 FG_{82}	30.9647	0.25	2	DWF
193711 2001 FC_{83}	6.836	0.79	2	SWF
193731 2001 FY_{162}	14.232	0.72	2	SWF
193745 2001 HX_{58}	599.202	0.91	2	DWF
193749 2001 KG	17.7462	0.38	2	DWF
193802 2001 PS_{17}	47.3359	0.20	2	DWF
193812 2001 PV_{50}	105.799	0.41	2	DWF
193838 2001 QQ_{55}	31.3623	0.13	2	DWF
193868 2001 QC_{149}	23.818		2−	SWF
193910 2001 QY_{249}	93.3293	0.37	2	DWF
193964 2001 RD_{90}	142.446	0.29	2 1	DWF
193990 2001 RQ_{147}	142.72	0.26	2 1	DWF
194103 2001 SW_{214}	64.6851	0.49	2	DWF
194109 2001 SX_{231}	3.376	0.13	2+	SWF
194126 2001 SG_{276}	5.090	0.22	2+	
194164 2001 TE_{23}	27.712	0.52	2	SWF
194172 2001 TU_{38}	22.5289	0.20	2	DWF
194217 2001 TW_{133}	6.749		2−	SWF

Planet	Period	Variation	Note	Survey
194266 2001 UV_{1}	35.223	0.67	2	SWF
194268*2001 UY_{4}	7.88	0.13−0.16	2 A	
194279 2001 UX_{30}	29.8159	0.46	2	DWF
194315 2001 UQ_{98}	2.8759	0.16	2	DWF
194365 2001 UG_{178}	67.8225	0.25	2	DWF
194366 2001 UW_{183}	39.2709	0.24	2	DWF
194386*2001 VG_{5}	6.38	0.38−0.77	3	
194400 2001 VO_{24}	42.296	0.86	2	SWF
194458 2001 VX_{124}	6.52	1.35	2	SWF
194473 2001 WQ_{21}	6.5	0.10	2−	
194513*2001 XR_{2}	6.820	0.56	3	
194547 2001 XT_{67}	4.92	0.76	2	SWF
194874 2002 AV_{56}	16.1649	0.20	2	DWF
194912 2002 AG_{114}	12.68	1.0	2	SWF
194962 2002 AM_{173}	13.87	0.41	2	SWF
194968 2002 AQ_{178}	21.206	0.83−0.84	2	SWF
194983 2002 BK	5.85	0.90	2	SWF
195028 2002 CD_{40}	49.3168	0.19	2	DWF
195079 2002 CL_{107}		>0.1		SWF
195086 2002 CO_{109}	12.12	0.37	2	SWF
195098 2002 CE_{125}	2.62	0.26−0.34	2	SWF
195099 2002 CF_{126}	6.799	0.53	2	SWF
195123 2002 CG_{157}	2.98	0.46	2	SWF
195143 2002 CS_{194}	>1.97	>0.47		SWF
195161 2002 CA_{226}	6.08	0.46	2	SWF
195207 2002 DN_{2}		0.50		SWF
195222 2002 DL_{14}	3.867	0.61	2	SWF
195227 2002 DH_{18}	5.03	0.72	1+	SWF
195241 2002 EM_{22}	31.695	0.35−0.40	2	SWF
195244 2002 EP_{34}	3.60	0.24	2	SWF
195256 2002 ER_{51}	9.74956	0.28	2	DWF
195306 2002 EF_{100}	182.959	0.33	2 A	DWF
195324 2002 EO_{123}	S 5.34281		2 p N	LCI-W
195336 2002 EV_{139}	>5.42	>0.18		SWF
195378 2002 FV_{37}	592.129	0.88	2	DWF
195383 2002 GJ_{5}	44.8678	0.26	2	DWF
195388 2002 GK_{9}	>1.97	>0.22		SWF
195396 2002 GH_{15}	5.44	0.49	2	SWF
195416 2002 GA_{41}	20.1798	0.27	2	DWF
195425 2002 GL_{50}	22.4148	0.32	2	DWF
195444 2002 GG_{77}	>5.40	>0.22		SWF
195446 2002 GH_{79}	176.277	0.24	2	DWF
195475 2002 GQ_{126}	3.65	0.48	2	SWF
195512 2002 HH_{6}	23.3971	0.18	2	DWF
195541 2002 JM_{46}	60.8779	0.50	2	DWF
195602 2002 KN_{1}	10.91	0.46	2	SWF
195660 2002 NB_{63}	5.27	1.07	2	SWF
195664 2002 OM	S 10.02050		2 p N	LCI-W
195670 2002 OZ_{9}	39.226	0.32	2	SWF
195700 2002 PY_{26}	5.066	0.41	2	SWF
195704 2002 PH_{35}	10.294	0.36	2	SWF
195706 2002 PO_{36}	7.311	0.53	2	SWF
195710 2002 PA_{47}	2.842	0.25	2	SWF
195712 2002 PD_{49}	44.752	0.33	2	SWF
195812*2002 QL_{19}	4.66	0.43−0.90	2+	SWF
195905 2002 RB_{55}	16.999	0.34	2	SWF
195930 2002 RO_{113}	5.501	0.33	2	SWF
195932 2002 RM_{117}	201.572	0.30	2	DWF
195957 2002 RJ_{165}	144.994	0.31	2	SWF
196022 2002 SQ_{5}	6.466	0.56	2	SWF
196070 2002 TA_{65}	3.896	0.26	2	SWF
196073 2002 TQ_{74}	6.679	0.37	2	SWF
196076 2002 TL_{77}	7.202	0.47	2	SWF
196079 2002 TN_{81}	93.4452	0.15	2	DWF
196118 2002 TY_{173}	8.393	0.56	2	SWF
196119 2002 TO_{174}	40.1126	0.15	2	DWF
196127 2002 TP_{206}	7.919	0.44	2	SWF
196143 2002 TZ_{270}	6.132	0.71	2	SWF
196155 2002 UJ_{51}	9.276	0.71	2	SWF
196214 2003 BD_{37}	6.8	0.56−0.75	2	SWF
196322 2003 FY_{41}	>1.83	>0.70		SWF
196325 2003 FL_{47}	9.579	0.56−0.62	2	SWF
196373 2003 FO_{127}	>0.95	>0.24		SWF
196444 2003 HQ_{37}	4.498	0.51−0.62	2	SWF
196467 2003 JX_{8}	5.506	0.55	2	SWF
196539 2003 OA_{30}	7.834	0.51	2	SWF
196545 2003 PQ_{7}	9.68246	0.33	2	DWF
196546 2003 PT_{11}	6.739	0.31	2	SWF
196582 2003 QS_{46}			HN	DWF
196601 2003 QY_{68}	45.9797	0.33	2	DWF
196616 2003 QE_{108}	5.162	0.78	2	SWF
196667 2003 SN_{50}	4.82	0.28	2	SWF
196698 2003 SV_{77}	3.9	0.27	1 N	
196704 2003 SM_{85}	25.7731	0.72	2 A	DWF
196707 2003 SB_{89}			HN	DWF
196745 2003 SY_{139}	3.50	0.56	2	SWF
196806 2003 SQ_{218}	3.260	0.30	2	SWF
196848 2003 SQ_{259}		>0.1		SWF
196858 2003 SB_{269}	>5.40	>0.30		SWF
196905 2003 TH_{17}	2.87	0.78	2	SWF
196921 2003 TL_{57}	S 6.14583		2 p N	LCI-W
196974 2003 UC_{64}	2.745	0.31	2	SWF
196987 2003 UO_{81}	>12.	>0.05	1	SWF
196994 2003 UW_{85}	95.0457	0.26	2	DWF
197087 2003 UG_{182}	6.15	0.72	3−	SWF
197123 2003 UO_{218}	2.84217	0.12	2	DWF
197136 2003 UZ_{240}	4.05	0.51	2	SWF
197153 2003 UE_{271}	163.582	0.27	2	DWF
197155 2003 UJ_{272}	6.40	0.62	1 DA	SWF
197166 2003 UG_{277}	7.93	0.54	2	SWF
197179 2003 UM_{296}	>5.28	>0.35		SWF
197238 2003 WW_{58}	16.7301	0.13	2	DWF
197299 2003 WH_{128}	101.769	0.60	2	SWF
197309 2003 WS_{140}	200.733	0.41	2	SWF
197356 2003 XS_{11}	7.8458	0.12	2	DWF
197361 2003 XN_{18}	4.424	0.58	2	SWF
197362 2003 XR_{19}	12.31	0.73	1+	SWF
197388 2003 YN_{11}	14.9	0.65	2−	SWF
197396 2003 YK_{27}	4.95	0.32	2	SWF
197398 2003 YU_{29}	39.6593	0.18	2	DWF
197402 2003 YN_{34}	3.90	0.45−0.78	2	SWF
197411 2003 YU_{49}	7.27	0.73	2	SWF
197426 2003 YY_{70}	169.367	0.32	2	DWF
197433 2003 YA_{80}	S 7.00036		2 p N	LCI-W
197504 2004 BS_{117}	6.375	0.37	2	SWF
197505 2004 BG_{120}	10.664	0.69	2	SWF
197518 2004 CJ_{106}	6.15	0.48	2	SWF
197519 2004 DF_{1}	4.871	0.75	2	SWF
197520 2004 DP_{10}	S 9.43268		2 p N	LCI-W
197558 2004 FL_{122}		1.0	I	
197570 2004 GZ_{29}			HN	DWF
197592 2004 HH_{38}	4.55858	0.26	2	DWF
197594 2004 HD_{49}	41.6456	0.27	2	DWF
197712 2004 PS_{3}		0.86		SWF
197715 2004 PS_{7}	5.13	0.85	2	SWF
197746 2004 PN_{30}	>0.92	>0.14		SWF
197830 2004 PC_{92}	>1.18	>0.23		SWF
197868 2004 RQ_{6}	4.68	0.95	2	SWF
197923 2004 RO_{54}	28.6899	0.20	2	DWF
198015 2004 RP_{204}	264.608	0.20	2 1	DWF
198020 2004 RJ_{221}	>1.35	>0.49		SWF
198087 2004 ST_{24}	9.540	0.72	2	SWF
198112 2004 TM_{1}	15.314	0.62	2	SWF
198114 2004 TQ_{2}	>0.85	>0.40		SWF
198128 2004 TS_{25}	5.215	0.73	2	SWF
198150 2004 TM_{53}	>4.70	>0.36		SWF
198184 2004 TU_{109}	4.27	0.15	2	SWF
198269 2004 TQ_{264}	18.32	0.38	2	SWF
198331 2004 TS_{366}	>4.35	>0.18		SWF
198344*2004 VU	8.46	0.35	2+	
198360 2004 VX_{12}	28.653	0.23	2	SWF
198409 2004 VF_{62}	15.972	0.39	2	SWF
198410 2004 VN_{62}	>0.73	>0.23		SWF
198456 2004 XJ_{10}	85.2839	0.42	2	DWF
198468 2004 XE_{24}	6.81	0.70	2	SWF
198478 2004 XP_{38}	16.90	0.13	2	SWF
198479 2004 XD_{39}	15.818	0.43	2	SWF
198480 2004 XW_{40}	4.766	0.06	1	SWF
198487 2004 XP_{57}	59.1279	0.31	2	DWF
198513 2004 XK_{87}	>1.0	>0.11		SWF
198536 2004 XW_{110}	66.055	0.65	2	SWF
198539 2004 XJ_{121}			HN	DWF
198549 2004 XB_{133}	S 6.65894		2 p N	LCI-W
198570 2004 XW_{171}	2.54	0.48	1+	SWF
198580 2004 YV_{11}			HN	DWF
198582 2004 YT_{13}	233.131	0.95	2	SWF
198588 2004 YP_{32}	70.207	0.39	2	SWF
198592 Antbernal	>12.	>0.1	2−	SWF
198605 2005 AM_{19}	160.768	0.38	2	SWF
198611 2005 AJ_{24}	5.097	0.30	2	SWF

Planet	Period	Variation	Note	Survey
198614 2005 AO_{26}	9.136	0.59	2	SWF
198675 2005 CY_{2}	12.97	0.40	2	SWF
198695 2005 CX_{22}			HN	DWF
198896 2005 TC_{173}	58.6512	0.30	2	DWF
198944 2005 UM_{292}	22.8508	0.34	2	DWF
198954 2005 UE_{350}	6.35987	0.67	2	DWF
198967 2005 UT_{445}	6.00348	0.22	2	DWF
199000 2005 WW_{45}	7.4078	0.73	2	DWF
199003 2005 WJ_{56}	4.379	0.09−0.15	3	
199033 2005 WU_{139}	>3.72	>0.15		SWF
199052 2005 WO_{188}	>5.42	>0.31		SWF
199091 2005 YF_{10}	6.76	0.49	2	SWF
199132 2005 YO_{96}	24.9596	0.18	2	DWF
199142 2005 YB_{126}	8.94	0.45	2	SWF
199167 2005 YH_{182}	115.4	0.47	2	DWF
199206 2006 AN_{19}	S 5.55706		2 p N	LCI-W
199248 2006 AM_{100}	5.332	0.42	2	SWF
199268 2006 BB_{22}	>1.50	>0.19		SWF
199283 2006 BW_{46}	6.40	0.44	2	SWF
199327 2006 BR_{128}			HN	DWF
199346 2006 BP_{161}	>1.07	>0.17		SWF
199481 2006 DO_{74}	7.469	0.51	2	SWF
199533 2006 DN_{197}	9.1959	0.42	2	DWF
199588 2006 FO_{16}	5.75	0.41	3−	SWF
199589 2006 FV_{17}	>1.97	>0.27		SWF
199618 2006 FG_{43}	4.26458	0.15	2	DWF
199655 2006 GC_{39}	267.447	0.41	2	DWF
199770 2006 KB_{23}	7.0565	0.25	2	DWF
199788 2006 LU_{3}	39.014	0.47	2	SWF
199852 2007 EB_{80}	4.703	0.55−0.59	2	SWF
199899 2007 GV	73.366	0.40	2	DWF
199921 2007 GS_{29}	77.9879	0.60	2 1	DWF
199978 2007 JZ_{1}	57.	0.44	2	
200028 2007 PW_{28}	7.19	0.27	2+	
200032 2007 PU_{43}	132.	1.8	1+	
200050 2008 OL	6.09247	0.70	2	DWF
200082 4022 $T-3$	4.53356	0.17	2	DWF
200157 1998 ST_{40}			HN	DWF
200192 1999 RT_{119}	3.05	0.26	2	SWF
200256 1999 VQ_{225}	5.96	0.25	2	SWF
200277 1999 XY_{217}	6.441	0.26−0.31	2	SWF
200284 1999 YE_{12}	15.562	0.84	2	SWF
200291 2000 AW_{108}	57.7035	0.30	2	DWF
200296 2000 AV_{218}	5.33	0.77	2	SWF
200302 2000 CW_{78}			HN	DWF
200358 2000 OO_{37}	>1.02	>0.19		SWF
200406 2000 SK_{74}	3.388	0.48	2	SWF
200453 2000 WA_{60}	>2.02	>0.16		SWF
200477 2000 YY_{5}	61.7737	0.28	2	DWF
200481 2000 YX_{17}	113.580	1.11	2	SWF
200484 2000 YS_{33}	8.02354	0.20	2	DWF
200526 2001 CH_{35}	18.6563	0.48	2	DWF
200538 2001 EH	>5.33	>0.11		SWF
200563 2001 OJ_{29}	19.6494	0.38	2	DWF
200564 2001 OX_{40}	64.785	0.21	2 1	DWF
200596 2001 RX_{70}	2.742	0.64	2	SWF
200597 2001 RA_{77}	4.01966	0.11	2	DWF
200647 2001 SF_{327}	6.3	0.80	2	SWF
200710 2001 UN_{153}	464.869	0.82	2	DWF
200730 2001 VV_{53}	11.864	0.46	2	SWF
200736 2001 VE_{67}	5.20114	0.42	2	DWF
200754 2001 WA_{25}	3.653	0.31	2+	
200762 2001 XX	13.0	0.60	2	SWF
200764 2001 XP_{3}	6.58425	0.21	2	DWF
200772 2001 XJ_{23}	8.9	0.66	2−	SWF
200781 2001 XS_{54}	26.0075	0.70	2	DWF
200803 2001 XJ_{142}	275.124	0.66	2	DWF
200852 2001 YD_{35}	2.67	0.34	2	SWF
200882 2001 YT_{127}	7.677		2	SWF
200890 2002 AS_{15}	4.5095	0.88	2	DWF
200972 2002 CT_{94}	5.417	0.97	2	SWF
201006 2002 CH_{185}	30.4	0.19	2	
201023 Karlwhittenburg	9.90	0.63	2	SWF
201092 2002 GK_{94}	18.055	0.59	2	SWF
201115 2002 JX_{12}	S 7.17971		2 p N	LCI-W
201128 2002 JX_{63}	>1.15	>0.19		SWF
201187 2002 PK_{70}	107.127	0.44	2	SWF
201198 2002 PD_{123}	7.386	0.78	2	SWF
201236 2002 RG_{24}	4.87	0.33	2	SWF
201248 2002 RK_{94}	8.380	0.34	2	SWF

Planet	Period	Variation	Note	Survey
201258 2002 RZ_{138}	35.453	0.19	2	SWF
201263 2002 RP_{160}	4.547	0.81	2	SWF
201297 2002 SK_{60}	8.42	0.83	2−	SWF
201310 2002 TJ_{91}	2.837	0.13	2	SWF
201320*2002 TC_{119}	5.468	0.23−0.31	2	SWF
201336 2002 TU_{166}	5.522	0.51	2	SWF
201369 2002 TA_{278}	5.275	0.74−0.77	2	SWF
201370 2002 TY_{290}	93.971	0.79	2	SWF
201377 2002 UN_{15}	19.787	0.42	2	SWF
201378 2002 UO_{15}	2.00833	0.32	2	DWF
201386 2002 VN_{9}	9.539	0.52	2	SWF
201392 2002 VC_{41}	9.100	0.89	2	SWF
201426 2003 AG_{14}	3.3871	0.32	2	DWF
201435 2003 BQ_{89}			HN	DWF
201479 2003 GX_{49}	74.8412	0.32	2	DWF
201489 2003 HT_{39}	>1.97	>0.20		SWF
201528 2003 QL_{20}	4.596	0.49	2	SWF
201534 2003 QV_{61}	>5.40	>0.12		SWF
201556 2003 RZ_{18}	6.81	0.70−0.80	2	SWF
201581 2003 SS_{80}	9.41	0.55	2	SWF
201583 2003 SJ_{87}	7.967	0.44	2	SWF
201652 2003 TE_{8}	1.29074	0.15	2	DWF
201689 2003 UO_{116}	5.75	0.26	2	SWF
201710 2003 UO_{167}	114.561	0.60−0.75	2	SWF
201719 2003 UD_{189}	13.33	0.89	2	SWF
201726 2003 UH_{195}	44.630	0.62	2	SWF
201731 2003 UY_{225}	3.3	0.30	2−	SWF
201740 2003 UQ_{264}	3.93436	0.28	2	DWF
201746 2003 UN_{276}	138.782	0.83	2	SWF
201751 Steinhardt			HN	DWF
201758 2003 WC_{26}	8.50	0.68	2	SWF
201771 2003 WS_{82}	210.064	0.27	2	DWF
201784 2003 WS_{113}	4.36	0.63	2	SWF
201800 2003 WM_{189}	2.87312	0.20	2	DWF
201838 2003 YM_{66}	9.378	0.63	2	SWF
201845 2003 YB_{85}	7.789	0.68	2	SWF
201873 2003 YU_{162}	6.436	0.67	2	SWF
201879 2004 AC_{1}	8.563	0.53	2	SWF
202070 2004 SG_{11}	16.1212	0.27	2	DWF
202076 2004 SV_{30}	30.1826	0.18	2	DWF
202080 2004 SR_{40}	2.976	0.32	2	SWF
202100 2004 TV_{34}	18.7752	0.19	2	DWF
202122 2004 TY_{127}	5.401	0.78	3−	SWF
202170 2004 VE_{69}	4.97	0.64	2	SWF
202196 2004 XE_{71}	5.26203	0.26	2	DWF
202238 2005 AC_{2}	5.63	0.40	2	SWF
202244 2005 AW_{13}	>0.92	>0.18		SWF
202264 2005 AB_{61}	6.76	0.15	2	SWF
202282 2005 BJ_{26}	495.055	0.23	2	DWF
202321 2005 EG_{55}	3.458	0.59	2	SWF
202327 2005 ER_{75}	6.32	0.76	2	SWF
202376 2005 GY_{13}	2.47995	0.17	2	DWF
202397 2005 JS_{18}	12.31	>0.6	1	SWF
202421 2005 UQ_{513}	7.03	0.06	2− A	
202473 2006 AQ_{55}	9.27264	0.34	2	DWF
202521 2006 BP_{274}	3.31	0.78	2	SWF
202537 2006 DO_{60}	3.86	1.11	2	SWF
202573 2006 FY_{13}	6.00	0.96	2	SWF
202574 2006 FD_{14}	S 4.73956		2 p N	LCI-W
202640 2006 JW_{13}	2.49	0.31	2	SWF
202698 2007 ER_{209}	17.651	0.20	2 1	DWF
202745 2007 ND	6.902	0.38	2	SWF
202749 2007 PH_{3}	2.80723	0.75	2	DWF
202770 2007 RW_{238}	11.148	0.56	2	SWF
202843 2008 SV_{264}	>1.97	>0.37		SWF
202858 2008 TW_{117}	5.926	0.78−0.80	2	SWF
202908 1996 TH_{11}	5.308	0.80	3	
202909 Jakoten	7.946	0.28	2	SWF
202949 1999 JQ_{87}	49.6176	0.42	2	DWF
202981 1999 TR_{238}	60.203	0.41	2	SWF
203047 2000 EC_{52}	2.70	0.54	2	SWF
203095 2000 RO_{37}	19.61	0.31	2 A	
203096 2000 RQ_{43}	9.591		2−	SWF
203113 2000 SF_{181}	67.5174	0.33	2	DWF
203128 2000 SE_{249}	9.58	0.21	2	SWF
203131*2000 SJ_{277}	2.8496	0.16	3	
203158 2000 WF_{142}	238.003	0.49	2	DWF
203173 2000 YL_{98}	2.09	0.47	2−	SWF
203186 2001 BA_{70}	7.42712	0.50	2	DWF
203191 2001 CV_{15}	11.65	0.23	2	SWF

Planet	Period	Variation	Note	Survey
203217 2001 FX_{9}		0.16−0.26	N	
203222 2001 FH_{81}	7.28	0.30	2−	SWF
203247 2001 QK_{6}	3.0929	0.13	2	DWF
203254 2001 QG_{129}	5.855	0.51−0.62	2	SWF
203261 2001 QA_{187}	25.398	0.47	2	SWF
203318 2001 TN_{66}			HN	DWF
203334 2001 TC_{226}	12.72	0.62	1+ DA	SWF
203339 2001 UT_{60}	10.532	0.43	2	SWF
203370 2001 WY_{35}	8.344	1.40	3	
203395 2001 XW_{142}	4.44	1.02	2	SWF
203431 2001 YW_{2}	5.26897	0.65	2 A	DWF
203439 2001 YJ_{69}	321.884	0.58	2	DWF
203471 2002 AU_{4}	13.26	1.32−1.36	3−	
203622 2002 EP_{129}	>1.35	>0.14		SWF
203629 2002 FP_{25}	7.48144	0.25	2	DWF
203630 2002 FR_{27}	4.536	0.39	2	SWF
203634 2002 GH_{3}	7.572	0.68	2	SWF
203712 2002 PF_{159}	2.59	0.76	2	SWF
203729 2002 QR_{53}	6.993	0.42	2	SWF
203738 2002 QB_{88}	2.57	0.43	2	SWF
203742 2002 QH_{111}	4.10	0.32	2	SWF
203747 2002 RN_{51}	7.30385	0.20	2	DWF
203756 2002 RP_{135}	398.605	0.23	2	DWF
203790 2002 TC_{48}	28.186	0.41	2	SWF
203802 2002 TW_{116}	74.4452	0.67	2	DWF
203810 2002 TY_{190}	34.471	0.44	2	SWF
203811 2002 TB_{191}	4.624	0.62	2	SWF
203815 2002 TQ_{235}	9.484	0.75	2	SWF
203819 2002 TZ_{237}	102.274	0.20	2	SWF
203822 2002 TB_{291}	45.497	0.68	2	SWF
203863 2002 WV_{11}	31.9374	0.40	2	DWF
203871 2002 XS_{27}	28.2118	0.24	2	DWF
203873 2002 XR_{41}	S 5.60872		2 p N	LCI-W
203914 2003 MM_{9}	6.46888	0.29	2	DWF
203996 2003 TX_{16}	2.87	0.42	2	SWF
204075 2003 WK			HN	DWF
204124 2003 XY_{10}	7.203	0.38	2	SWF
204136 2003 YA_{35}	329.528	0.38	2	DWF
204146 2003 YH_{104}	3.19987	0.21	2	DWF
204147 2003 YB_{110}	2.64	0.39	1+	SWF
204169 2004 BV_{32}	7.62	0.67	2	SWF
204184 2004 BG_{54}	>1.35	>0.14		SWF
204193 2004 BB_{90}	2.73	0.25	2	SWF
204203*2004 CT_{5}	3.42	0.18−0.29	2	SWF
204214 2004 CW_{58}	8.07	0.81	2	SWF
204241 2004 DU_{48}	6.00	0.57	2	SWF
204247 2004 DC_{58}			HN	DWF
204256 2004 EW_{68}	4.286	0.10	1	SWF
204278 2004 HG_{1}	6.621	0.88	2	SWF
204299 2004 PM_{72}	65.944	0.64	2	DWF
204385 2004 TL_{131}	31.797	0.31	2	SWF
204504 2005 CR_{45}	5.36	0.76	2	SWF
204514 2005 EF_{17}	58.54	0.71	2	SWF
204517 2005 EL_{21}	3.108	0.22−0.25	3−	
204518 2005 EM_{25}			HN	DWF
204526 2005 EC_{86}	5.80	0.46	2	SWF
204529 2005 EF_{90}	5.49	0.58	2	SWF
204545 2005 ER_{186}	>1.77	>0.39		SWF
204565 2005 EF_{290}	2.74	0.23	2	SWF
204641 2006 AX_{86}	40.3582	0.56	2	DWF
204668 2006 DP_{15}			HN	DWF
204785 2006 KT_{102}	16.11	0.80	2	SWF
204831 Levski	2.59	0.44	2	SWF
204877 2007 TF_{5}	2.5	0.3	2−	
204890 2007 TR_{305}	S 20.3747		2 p N	LCI-W
204903 2007 UO_{133}	237.692	0.46	2	DWF
205112 1999 UQ_{52}	>1.50	>0.14		SWF
205117 1999 VK_{42}	>1.35	>0.17		SWF
205198 2000 ES_{98}	3.38	0.37	2	SWF
205229 2000 QK_{103}	199.616	0.19	2	DWF
205230 2000 QW_{103}	42.5882	0.28	2 A3	DWF
205243 2000 QT_{185}	11.2087	0.33	2	DWF
205244 2000 QA_{189}	11.4416	0.14	2	DWF
205260 2000 RO_{93}	3.32	0.32	2	SWF
205345 2000 WC_{26}	4.590		2−	SWF
205374 2001 AJ_{28}	378.471	0.64	2	DWF
205383 2001 BV_{47}	5.554	0.30	3−	
205402 2001 EY_{16}	35.193	0.72	2	SWF
205408 2001 FV_{20}	33.0497	0.28	2	DWF
205420 2001 FN_{176}	5.058	0.10	1	SWF
205472 2001 QS_{152}	10.472	0.34	2	SWF
205492 2001 QM_{267}			HN	DWF
205538 2001 SO_{169}	11.5039	0.26	2	DWF
205594 2001 TT_{199}	8.436	0.68	2	SWF
205597 2001 TR_{230}	7.56041	0.35	2	DWF
205665 2001 XU_{174}	5.75	0.57	2	SWF
205706 2002 AE_{35}	33.1	0.82	2+	
205748 2002 CT_{18}	5.43633	0.21	2	DWF
205975 2002 ND_{20}	238.652	0.67	2	DWF
206002 2002 PJ_{49}	217.01	0.30	2	DWF
206003 2002 PW_{79}	21.9126	0.20	2	DWF
206075 2002 RE_{46}	41.6551	0.24	2	DWF
206130 2002 SJ_{52}	14.121	0.57	2	SWF
206156 2002 TX_{170}	5.89	0.40	1+	SWF
206161 2002 TF_{192}	295.617	0.24	2	DWF
206167*2002 TS_{242}	3.944	1.05	2+ p	
206171 2002 TQ_{258}	16.7583	0.11	2	DWF
206183 2002 TM_{316}	89.4651	0.32	2	DWF
206187 2002 TB_{361}	>4.95	>0.34		SWF
206210 2002 VX_{15}	39.4464	0.17	2	DWF
206218 2002 VF_{44}	22.099	0.24	2	DWF
206234 2002 WC_{4}			HN	DWF
206237 2002 WG_{15}	3.368	0.19−0.23	2	SWF
206240 2002 WC_{27}	8.07	0.74	2	SWF
206245 2002 XU_{17}	5.049	0.54−0.60	2	SWF
206289 2003 AT_{85}	104.623	0.15	2	DWF
206297 2003 DB_{3}	57.9405	0.30	2	DWF
206300 2003 FX_{20}	10.23	1.26	2	SWF
206301 2003 FH_{21}	2.78	0.23−0.24	2	SWF
206342 2003 PQ_{6}	4.823	0.71	2	SWF
206353 2003 QL_{34}	4.211		2−	SWF
206378*2003 RB	37.5	0.43	2 T?	
206400 2003 SW_{52}	4.1	0.37	1+	
206452 2003 SA_{309}	4.211	0.23	2	SWF
206495 2003 UG_{85}	8.50	0.60	2	SWF
206554 2003 UG_{241}	>3.57	>0.18		SWF
206607 2003 WD_{69}	34.6066	0.47	2 1	DWF
206619 2003 WS_{117}	5.90	0.85	2	SWF
206638 2003 WA_{190}	10.587	0.41−0.47	2	SWF
206648 2003 YL_{9}	S 12.2176		2 p N	LCI-W
206693 2003 YA_{163}	>1.35	>0.13		SWF
206698 2004 AD_{13}	3.44	0.52	2	SWF
206699 2004 BZ_{1}	>1.78	>0.09		SWF
206721 2004 BJ_{58}	107.613	0.23	2	DWF
206739 2004 BV_{120}	4.8744	0.27	2	DWF
206762 2004 CE_{21}	6.605	0.68	2	SWF
206877 2004 FF_{139}	3.65	0.43	2	SWF
206952 2004 RE_{310}	7.071	0.20	2	SWF
206953 2004 RV_{310}			HN	DWF
206975 2004 TE_{79}	5.59478	0.13	2	DWF
206984 2004 TA_{133}	6.12079	0.40	2	DWF
207073 2004 XR_{126}	17.2882	0.19	2	DWF
207121 2005 AT_{58}	5.90	0.60	2	SWF
207180 2005 EU	>1.45	>0.14		SWF
207197 2005 EE_{48}	>4.35	>0.20		SWF
207235 2005 EB_{163}	>1.33	>0.19		SWF
207289 2005 GY_{22}	>1.0	>0.17		SWF
207366 2005 KA_{8}	47.2086	0.36	2	DWF
207384 2005 QO_{173}	22.881	0.47	2	SWF
207398 2006 AS_{2}	4.480	0.20	3	
207482 2006 HN_{31}	4.931	0.52	2	SWF
207500 2006 HC_{111}	>5.42	>0.32		SWF
207556 2006 LU_{5}	95.1497	0.25	2 A	DWF
207582 2006 QE_{9}	4.226	0.68	2	SWF
207611 2006 QE_{157}	114.343	0.26	2	DWF
207637 2006 TE_{24}	5.75	0.41	2	SWF
207690 2007 RE_{19}	8.35	0.59	2	SWF
207707 2007 RB_{92}	>4.82	>0.27		SWF
207712 2007 RA_{106}	>5.33	>0.26		SWF
207714 2007 RN_{118}	>3.78	>0.46		SWF
207729 2007 RR_{173}	>1.78	>0.19		SWF
207744 2007 RY_{247}			HN	DWF
207758 2007 SN_{19}	3.822	0.47−0.48	2	SWF
207787 2007 TW_{130}	17.541		2−	SWF
207808 2007 TP_{244}	68.6057	0.24	2	DWF
207829 2007 TU_{379}	>3.57	>0.32		SWF
207858 2007 VZ_{104}	4.43	0.15	2	SWF
207878 2007 VS_{311}	>4.95	>0.21		SWF
207931 Weihai	>1.00	>0.09		SWF
207932 2008 YW_{16}	10.67	0.47	2	SWF

Planet	Period	Variation	Note	Survey
207942 4291 *T–3*	426.398	0.72	2	DWF
207945*1991 *JW*	3.1499	0.17	2+	
207957 1995 FN_{7}	>5.48	>0.23		SWF
207973 1996 PT_{4}	32.6151	0.19	2	DWF
207984 1997 TG_{6}	>3.72	>0.49		SWF
208023 1999 AQ_{10}	2.67	0.09−0.20	2	
208096 2000 AT_{88}	8.74	0.75	2	SWF
208102 2000 BX_{2}	5.13	0.81	2	SWF
208150 2000 FJ_{34}	5.18	0.82−1.38	3−	SWF
208173 2000 QM_{24}	180.561	0.82	2	SWF
208190 2000 QY_{193}	3.68	0.64	2	SWF
208205 2000 SE_{24}	13.2094	0.25	2	DWF
208257 2000 VW_{57}	23.3504	0.21	2	DWF
208285 2001 BX_{61}	8.80805	0.18	2 A	DWF
208324 2001 PR_{10}	5.66861	0.32	2	DWF
208398 2001 SD_{200}	9.23	0.41	2	SWF
208420 2001 SQ_{324}	2.32	0.26	2	SWF
208422 2001 SE_{340}	6.96	0.76	2	SWF
208562 2002 BP_{29}	4.627	0.50	2	SWF
208565 2002 CT_{11}	4.339	0.30	2 A	
208663 2002 GF_{11}	10.1382	0.38	2	DWF
208665 2002 GJ_{12}	10.11	0.43	2	SWF
208699 2002 HG_{4}	5.70	0.82	2	SWF
208720 2002 JS_{114}	96.0919	0.31	2 1	DWF
208881 2002 TC_{71}	294.445	0.37	2	DWF
208891 2002 TS_{113}	35.929	0.20	2	DWF
208907 2002 TO_{219}	57.1017	0.38	2	DWF
208923 2002 UZ_{11}	2.212	0.77	2	SWF
208940 2002 VE_{57}	>3.72	>0.34		SWF
208964 2002 XS_{58}	3.38689	0.09	2	DWF
208970 2002 XR_{91}	191.955	0.51	2	DWF
208982 2003 AV_{8}	8.07	0.73	2	SWF
208985 2003 AT_{11}	80.0825	0.32	2	DWF
208993 2003 AZ_{69}	7.68	0.30−0.35	2	SWF
208996 2003 AZ_{84}	13.42	0.10−0.14	2 AB	
209015 2003 CT_{13}	S 6.10736		2 p N	LCI-W
209026 2003 FQ_{21}	7.22	0.30	2	SWF
209038 2003 OB_{5}	3.88686	0.23	2	DWF
209060 2003 QU_{50}	4.14	0.60	3−	
209188 2003 UW_{200}	6.89	0.57	2+	SWF
209249 2003 WT_{131}	>1.35	>0.19		SWF
209254 2003 WQ_{149}	>1.90	>0.13		SWF
209271 2003 XS_{12}	6.426	0.49	2	SWF
209327 2004 BC_{92}		0.51		SWF
209355 2004 DJ_{39}	>5.23	>0.37		SWF
209374 2004 EC_{22}	3.19	0.20	2	SWF
209428 2004 FR_{50}	4.73	0.61	2	SWF
209460 2004 GG_{28}	13.428	0.47−0.74	2	SWF
209474 2004 HK_{1}	27.9008	0.45	2 A	DWF
209481 2004 HG_{33}	3.9343	0.25	2	DWF
209493 2004 JZ_{6}	22.662	0.59	2 1	DWF
209495 2004 JS_{10}	9.643	0.70	2	SWF
209499 2004 JG_{21}			HN	DWF
209503 2004 KU_{17}	93.3043	0.42	2	DWF
209512*2004 RO_{2}	15.775	0.30	2+	
209579 2004 XL_{89}	6.055	0.69−0.97	2	SWF
209779 2005 GS_{1}	2.578	0.67	2	SWF
209824 2005 GP_{133}	5.93	0.82	2	SWF
209924*2005 WS_{55}	2.726	0.25−0.40	2	
209929 2005 YD_{288}	6.994	0.24	2	SWF
209930 2006 *BQ*	5.957	0.74	2	SWF
209933 2006 BH_{150}			HN	DWF
209979 2006 HT_{44}	3.19	0.90	2	SWF
210080 2006 QU_{34}	7.921	0.46	2	SWF
210085 2006 QW_{45}	519.104	0.17	2	DWF
210145 2006 SG_{57}	11.097	0.47−0.54	2	SWF
210258 2007 RW_{285}	8.81	0.71	2	SWF
210278 2007 TJ_{29}	5.22	0.36	2	SWF
210317 2007 TM_{217}	2.81	0.40	2	SWF
210364 2007 UX_{91}	4.71	0.53	2	SWF
210450 2619 *P–L*	64.	0.25	1+	SWF
210456 1991 TQ_{9}	81.2656	0.20	2	DWF
210474 1995 ST_{58}	3.33	0.54	2	SWF
210489 1997 AB_{22}	3.02296	0.44	2 1	DWF
210511 1998 OX_{11}	3.952	0.31	2	SWF
210539 1999 *RD*	76.5814	0.27	2	DWF
210578 1999 VN_{64}	2.60574	0.27	2	DWF
210655 2000 NQ_{7}	7.585	0.54	2	SWF
210656*2000 OA_{23}	23.353	0.25−0.58	2	SWF
210662 2000 QU_{31}	6.131	0.63	2	SWF

Planet	Period	Variation	Note	Survey
210685 2000 RE_{92}	7.606	0.34	2	SWF
210720 2000 SA_{286}	>5.48	>0.18		SWF
210735 2000 TA_{38}	37.285	0.40	2	DWF
210741 2000 UW_{65}	6.11	0.64	1	SWF
210750 2000 VO_{12}	40.886	0.74	2	SWF
210865 2001 RM_{84}	8.856	0.32	2	SWF
210928 2001 TN_{29}	>1.33	>0.30		SWF
210934 2001 TX_{172}	18.32	0.24	2	SWF
210943 2001 TJ_{228}	14.8108	0.20	2	DWF
210976 2001 VK_{68}	3.411	0.26−0.27	2	SWF
210992 2001 WY_{92}	17.217	0.33	2	SWF
211006 2001 XT_{181}	11.936	0.44	2	SWF
211032 2002 AK_{159}	7.859		2−	SWF
211046 2002 CU_{43}	15.9182	0.30	2	DWF
211068 2002 CF_{199}	4.264	0.65	2	SWF
211111 2002 FT_{26}	21.3322	0.17	2	DWF
211112 2002 FX_{31}	8.805	0.63	2	SWF
211137 2002 GO_{87}	6.15312	0.19	2	DWF
211151 2002 GX_{146}	>3.88	>0.35		SWF
211211 2002 PR_{11}	3.26162	0.29	2	DWF
211243*2002 QJ_{30}	5.85	0.56−0.60	2	SWF
211278 2002 RR_{131}	249.831	0.43	2	DWF
211339 2002 TJ_{35}	5.14	0.73	2+ H	DWF
211349 2002 TB_{120}	8.4	0.73	1 N	
211390 2002 UG_{34}	35.304	0.35	2	SWF
211435 2002 YM_{9}	8.81	0.69	2	SWF
211439 2002 YD_{23}	12.993	0.43−0.51	2	SWF
211480 2003 FC_{7}	>4.35	>0.27		SWF
211518 2003 QK_{55}	5.870	0.40	2	SWF
211523 2003 QX_{60}	6.54	0.53−0.54	3−	
211531 2003 QV_{103}	9.353	0.49	2	SWF
211572 2003 SF_{157}	32.927	0.09	1	SWF
211648 2003 UV_{219}	>5.48	>0.15		SWF
211714 2003 YT_{19}	11.416	0.59	2	SWF
211809 2004 DO_{34}			HN	DWF
211847 2004 FK_{104}	>4.35	>0.44		SWF
211863 2004 GS_{31}	>5.05	>0.46		SWF
211895 2004 JX_{32}	37.	1.77	2+	
212048 2005 CE_{76}	3.18	0.89	2	SWF
212185 2005 GL_{86}	8.16702	0.24	2	DWF
212202 2005 GX_{137}	2.84	0.15	2	SWF
212276 2005 KO_{1}	5.743	0.20	1	SWF
212302 2005 NX_{57}	6.38	0.35	2	
212364 2006 GC_{23}	2.832	0.25	2	SWF
212378 2006 HW_{43}	5.138	0.59	2	SWF
212450 2006 *QO*	5.476	0.68	2	SWF
212502 2006 RQ_{6}	46.	0.10	1	SWF
212536 2006 RY_{91}	5.951	0.30	1+	SWF
212543 2006 SU_{4}	16.7806	0.28	2	DWF
212594 2006 SN_{208}	>5.30	>0.28		SWF
212608 2006 SL_{316}	26.1095	0.16	2	DWF
212650 2006 UF_{91}	>1.1	>0.63		SWF
212672 2006 UP_{332}	4.12	0.55	2	SWF
212791 2007 TN_{232}	10.21	0.41	2	SWF
212812 2007 TX_{391}			HN	DWF
212930 2008 BX_{6}	3.12	0.50	2	SWF
212933 2008 DQ_{8}	11.57	0.50	2	SWF
212935 2008 UH_{96}	6.879	1.04	2	SWF
213017 1995 SO_{81}	58.	0.6	1	SWF
213063 1999 RH_{94}	>5.42	>0.08		SWF
213075 1999 TK_{90}	31.6746	0.19	2	DWF
213081 1999 TP_{137}	5.76421	0.41	2	DWF
213173 2000 ST_{102}	18.679	0.32	2	SWF
213177 2000 SW_{125}	7.637	0.83	2	SWF
213216 2000 UJ_{92}	4.594	0.68	2	SWF
213276 2001 OD_{45}	S 18.9562		2 p N	LCI-W
213321 2001 SG_{119}	14.692	0.49	2	SWF
213342 2001 SB_{251}	>1.97	>0.18		SWF
213404 2001 WH_{3}	21.9553	0.19	2 A	DWF
213432 2001 XL_{240}	>1.90	>0.20		SWF
213452 2002 CP_{33}	4.78	0.7	3−	
213469 2002 EX_{60}	7.174	0.52	2	SWF
213471*2002 ES_{90}	2.7662	0.28	3	
213479 2002 EY_{135}	5.651	0.49	2	SWF
213480 2002 EV_{148}	436.675	0.32	2	SWF
213545 2002 JQ_{86}	5.66772	0.26	2	DWF
213655 2002 RT_{215}	32.5854	0.37	2	DWF
213665 2002 SS_{50}	3.7	0.18	1 N	
213671*2002 TK_{41}	30.448	0.29−0.58	2	SWF
213687 2002 TL_{210}	5.46642	0.39	2	DWF

Planet	Period	Variation	Note			Survey
213691 2002 TA_{231}	7.52155	0.40	2			DWF
213700 2002 TB_{288}	6.202	0.96	2			SWF
213706 2002 UZ	226.244	0.20	2			DWF
213748 2002 XE_{50}	13.9597	0.33	2			DWF
213779 2003 EP_{14}	5.55	0.96	2			SWF
213811 2003 MA_{4}	7.697		2−			SWF
213822 2003 QZ_{55}	6.114		2−			SWF
213829 2003 QN_{76}	5.045	0.76	2			SWF
213834 2003 QD_{103}	5.39	1.34	2+			SWF
213835 2003 QZ_{110}	330.428	0.55	2			SWF
213900 2003 UN_{34}	4.90	0.58	1+			SWF
213906 2003 UZ_{64}	2.17208	0.15	2			DWF
213991 2004 BK_{42}	4.61	0.72	2−			SWF
214088 2004 JN_{13}	6.342	0.17−0.40	3			
214092 2004 JY_{31}	295.876	0.26	2			DWF
214168 2005 CO_{37}	2.62	0.64	1+			SWF
214247 2005 EA_{257}	7.731	0.36	2			SWF
214265 2005 GU_{31}	4.666	0.54	2			SWF
214304 2005 JK_{15}	11.73	0.51	3−			SWF
214313 2005 JT_{33}	58.562	0.47	2			DWF
214332 2005 JZ_{78}	289.326	0.22	2			DWF
214369 2005 LZ_{5}	3.65684	0.22	2			DWF
214432 2005 QA_{57}	>5.15	>0.33				SWF
214454 2005 SE_{77}	>1.33	>0.23				SWF
214469 2005 SG_{213}	15.19	0.23	2			SWF
214479 2005 TB_{73}	20.594	0.84	1		NA	
214480 2005 TH_{74}	2.4601	0.20	2			DWF
214585 2006 QM_{62}	7.90	0.55	2			SWF
214719 2006 TY_{9}	>5.40	>0.27				SWF
214750 2006 TS_{67}	>5.30	>0.34				SWF
214843 2006 VO_{170}	7.56	0.95	2			SWF
214869 2007 PA_{8}	102.24	0.47−0.58	3	p	T	
214873 2007 RM_{18}	35.6529	0.24	2		A3	DWF
214954*2007 WO_{58}	2.7689	0.14	3−			
215112 1997 XR_{7}	6.503	0.84	2			SWF
215130 1999 RB_{199}	5.292	0.71	2			SWF
215133 1999 TU_{33}	6.241	0.87	2			SWF
215164 2000 CN_{15}	28.353	0.19	2			DWF
215187 2000 LQ_{25}	17.735	0.61	1		NA	
215188 2000 NM	9.24	0.25−0.42	3			
215206 2000 SY_{248}					HN	DWF
215209 2000 SL_{339}	12.00	0.50	2−			SWF
215218 2000 UH_{20}	>1.33	>0.05				SWF
215256 2001 NR_{2}	17.6331	0.22	2			DWF
215274 2001 PH_{38}	4.26985	0.14	2			DWF
215279 2001 QN_{85}	20.682	0.18	2			DWF
215362 2001 XL_{195}	20.8772	0.38	2		A	DWF
215442 2002 MQ_{3}	473.	0.38	3		B?	
215474 2002 RD_{66}	37.9048	0.34	2			DWF
215530 2002 VE_{103}	7.016	0.41	2			SWF
215535 2002 VF_{128}	14.2846	0.43	2			DWF
215588 2003 HF_{2}		<0.1				
215594 2003 QQ_{27}	14.081	0.40	2			SWF
215619 2003 SQ_{168}	4.646	0.11	3			
215627 2003 SV_{262}	>5.48	>0.08				SWF
215701 2003 YD_{121}	5.997	0.35−0.46	2			SWF
215721 2004 BU_{96}	>1.28	>0.22				SWF
215750 2004 EK_{85}	5.49	0.86	3			SWF
215757 2004 FU_{64}	4.99531	0.23	2			DWF
215792 2004 MS_{3}	4.678	0.51	2			SWF
215804 2004 QG_{8}	>1.22	>0.08				SWF
215878 2005 EM_{230}	25.882	0.68	2			SWF
215939 2005 LQ_{5}	6.696	0.70	2			SWF
216036 2006 DY_{9}	>1.9	>0.12				SWF
216087 2006 QE_{135}					HN	DWF
216107 2006 RZ_{47}	11.5	0.12	1			SWF
216185 2006 TT_{64}					HN	DWF
216209 2006 UA_{61}	S 6.50916		2	p	N	LCI-W
216258 2006 WH_{1}	7.30	0.20	2			
216261 Mapihsia	>2.02	>0.08				SWF
216297 2007 MP_{2}	5.85257	0.32	2			DWF
216306 2007 TZ_{56}	>4.65	>0.43				SWF
216388 2008 CU_{75}	>1.78	>0.27				SWF
216413 2008 RR_{68}	3.44	0.34	1+			SWF
216428 Mauricio	3.943	0.33−0.35	2			SWF
216446 2009 FA_{45}		0.51				SWF
216479 1999 TF_{237}					HN	DWF
216484 1999 VE_{85}	3.143	0.15	2−			SWF
216570 2002 CW_{54}	8.397	0.58	2			SWF
216613 2002 TU_{281}	32.933	0.67	2			SWF

Planet	Period	Variation	Note			Survey
216616 2002 VK_{11}	47.538	0.85	2			SWF
216632 2003 BX_{27}	15.3807	0.19	2			DWF
216633 2003 BH_{46}	292.12	0.46	2			DWF
216668 2004 BJ_{38}	14.006	0.41	2			SWF
216732 2005 GA_{169}	4.66	0.27	2−			SWF
216843 2006 XE_{53}	27.7887	0.43	2			DWF
216864 2008 BG_{44}	88.7259	0.26	2			DWF
216907 2009 JG	5.90275	0.27	2			DWF
216908 2009 JQ	8.904	0.31	2			SWF
216910 Vnukov	8.90	0.59	1+			
216922 1997 MZ_{7}					HN	DWF
216957 1999 XH_{225}					HN	DWF
216958 2000 AK_{24}	8.589	0.64	2			SWF
216974 2000 KW_{58}	4.52237	0.37	2			DWF
216975 2000 NS_{3}	5.19	0.42	2+			SWF
216978 2000 OE_{17}	208.768	0.91	2			DWF
216989 2000 RB_{14}	3.625	0.35	2			SWF
217007 2000 WG_{39}	17.4449	0.33	2			DWF
217032 2001 PJ_{4}	7.704	0.42	2			SWF
217035 2001 PT_{62}	11.03	0.82	2+			SWF
217039 2001 QK_{43}	7.967	0.46	2			SWF
217050 2001 QT_{203}	16.0455	0.23	2			DWF
217120 2002 CN_{8}	401.721	0.36	2			DWF
217158 2002 PU_{32}	>2.70	>0.43				SWF
217202 2002 TP_{198}	13.62	0.50	1+		DA	SWF
217228 2003 AL_{42}	8.9819	0.45	2		A	DWF
217232 2003 BU_{48}	17.646	0.25−0.30	2			SWF
217236 2003 FQ_{78}	5.71	0.76	2			SWF
217258 2003 WE_{41}	4.36	0.33	2			SWF
217305 2004 JA_{34}	1.85377	0.46	2		1	DWF
217307 2004 LM_{6}	17.556	0.35	2			SWF
217335 2004 RG_{87}	5.744	0.58	2			SWF
217411 2005 LD_{50}	1.91	0.50	1+			SWF
217454 2005 TC_{175}	5.26268	0.23	2			DWF
217464 2005 UR_{386}	12.1215	0.13	2		1	DWF
217466 2005 VV_{4}	73.8789	0.29	2			DWF
217487 2006 DD_{200}	19.0727	0.41	2			DWF
217508 2006 TE_{103}	6.27	0.92	3−			SWF
217523 2006 VV_{50}	13.2553	0.38	2			DWF
217527 2006 WS_{62}	18.1676	0.20	2			DWF
217584 2008 CP_{86}	3.5381	0.34	2			DWF
217628 Lugh	8.55	0.08	1			
217680 1999 CC_{86}	7.173	0.24	2			SWF
217682 1999 RO_{26}	45.1667	0.18	2			DWF
217691 1999 RD_{209}					HN	DWF
217695 1999 RT_{242}	9.271	0.16	2			SWF
217723*1999 VJ_{165}	>4.35	>0.20				SWF
217740 2000 BQ_{30}	>0.9	>0.32				SWF
217741 2000 CC_{9}	6.530	0.59−0.64	2			SWF
217752 2000 GQ_{187}	38.6906	0.16	2			DWF
217755 2000 OP_{34}	6.9095	0.58	2			DWF
217774 2000 RV_{76}	115.18	0.68	2			DWF
217792 2000 SO_{352}	22.1598	0.23	2			DWF
217793 2000 TX_{37}	6.99757	0.20	2			DWF
217794 2000 TU_{40}	6.57228	0.56	2			DWF
217807*2000 XK_{44}	51.9	0.70−1.2	3		T	
217813 2001 BD_{19}		1.01				SWF
217830 2001 HK_{47}	25.1501	0.24	2			DWF
217888 2001 RA_{94}	3.44	0.44	2			SWF
217917 2001 SN_{313}	42.1915	0.33	2			DWF
217923 2001 SR_{345}	3.153	0.34	2			SWF
217966 2001 VT_{10}	55.032	0.08	1			SWF
217973 2001 VA_{31}	25.6501	0.48	2			DWF
217982 2001 VY_{94}	46.0856	0.88	2		A	DWF
217983 2001 VT_{98}	9.598	0.48	2			SWF
217987 2001 VG_{131}	130.52	0.23	2			DWF
218003 2001 XL_{80}	4.85622	0.27	2			DWF
218026 2001 YN_{89}	6.15	0.82	2+			SWF
218044 2002 CO_{44}	18.5875	0.32	2			DWF
218047 2002 CS_{120}	4.96586	0.26	2			DWF
218057 2002 ET_{41}	26.5697	0.23	2			DWF
218058 2002 EA_{45}	>5.33	>0.20				SWF
218077 2002 GY_{88}	>4.35	>0.18				SWF
218089 2002 HY_{13}	>0.62	>0.24				SWF
218099*2002 MH_{3}	5.0688	0.14−0.33	3−			
218123 2002 PR_{114}					HN	DWF
218138 2002 RT_{29}	4.286	0.37	2			SWF
218144 2002 RL_{66}	587.	0.25−0.32	3−		B?T0	
218150 2002 RC_{106}	5.156	0.56	2			SWF
218165 2002 RG_{245}	3.583	0.41	2			SWF

Planet	Period	Variation	Note	Survey
218190 2002 TR_{78}			HN	DWF
218204 2002 TN_{213}	3.793	0.46	2	SWF
218213 2002 TC_{286}			HN	DWF
218277 2003 FK_{27}	2.90	1.10	1	SWF
218305 2003 SU_{306}	5.11	0.37	2−	SWF
218309 2003 UJ_{53}	6.343	0.37	2	SWF
218322*2003 YC_{65}	41.	0.44	2 B?	
218327 2004 BF_{3}			HN	DWF
218339 2004 BF_{121}	8.70	0.91	2	SWF
218416 2004 RE_{97}	34.269	0.44	2	SWF
218430 2004 RJ_{178}	13.884	0.80	2	SWF
218439 2004 RM_{191}	12.272	0.36	2	SWF
218440 2004 RK_{192}	4.118	0.25	2	SWF
218444 2004 RT_{200}	30.075	0.85	2	SWF
218445 2004 RS_{212}	6.593	0.57	2	SWF
218451 2004 RZ_{220}	529.904	0.63	2	DWF
218501 2004 TX_{83}	>4.35	>0.23		SWF
218543 2004 XF	10.177	1.41	2	DWF
218549 2005 AZ_{32}	37.9648	0.36	2	DWF
218590 2005 LJ_{40}	3.29	1.14	1+	SWF
218602 2005 NE_{69}	1.55	0.30	1+	SWF
218609 2005 OZ_{3}	9.72	0.8	2− H	DWF
218743 2005 UT_{480}	2.986	0.37	2	SWF
218754 2005 VV_{30}	17.4926	0.22	2	DWF
218827 2006 TJ_{68}	7.19	0.13	2 A	
218863 2006 WO_{127}	S 3.274928		2 p N	LCI-W
218865 2006 WY_{204}	4.82	0.43	2	SWF
218879 2007 BH_{5}	7.90	0.25	2	SWF
218942 2008 CK_{165}	4.47	0.73	2−	SWF
218980 2008 FY_{124}	60.6379	0.25	2	DWF
219032 1995 EM_{3}	5.82	1.27	2	SWF
219064 1997 CP_{25}	10.13	0.52	2	SWF
219071*1997 US_{9}	3.319	0.14−0.2	3−	
219111 1998 SP_{73}	654.111	0.62	2	DWF
219134 1998 VG_{41}	10.238	0.40	2	SWF
219167 1999 TH_{54}	3.29	0.26	2	SWF
219192*1999 UE_{7}	5.456	0.50−0.59	2	SWF
219296 2000 DJ_{35}	4.71	0.35	3−	SWF
219306 2000 DM_{107}			HN	DWF
219336 2000 OL_{60}	6.126	0.63	2	SWF
219374 2000 SR_{48}	4.44704	0.20	2	DWF
219402 2000 ST_{207}	39.1482	0.48	2	DWF
219407 2000 SL_{230}	4.36	0.50	3	SWF
219423 2000 SO_{349}	16.2323	0.14	2	DWF
219424 2000 SC_{351}	91.9413	0.55	2	DWF
219430 2000 TX_{44}	79.7902	0.57	2	DWF
219441 2000 UH_{80}	6.807	0.37	2	SWF
219452 2000 WA_{78}			HN	DWF
219467 2001 AN_{26}	5.54319	0.34	2	DWF
219525 2001 QG_{97}	4.6	0.18	1+ N	
219542 2001 QH_{268}	11.056	0.58	2 A	DWF
219543 2001 QB_{293}	110.440	0.40	2	SWF
219615 2001 TH_{119}	4.517	0.78	2	SWF
219638 2001 UB_{65}	43.756	0.79	2	SWF
219649 2001 US_{127}	69.2179	0.30	2	DWF
219663 2001 VZ_{13}	4.705	0.77	2	SWF
219668 2001 VQ_{37}	65.866	0.42	2	SWF
219686 2001 WE_{37}	10.214	0.49	2− A	
219697 2001 XP_{20}	7.35263	0.70	2	DWF
219706 2001 XN_{43}	6.080	0.74	2	SWF
219716 2001 XW_{83}	601.239	0.60	2	DWF
219732 2001 XN_{152}	10.557	0.41	2	SWF
219743 2001 XZ_{233}	15.200	0.41	2	SWF
219748 2001 XZ_{247}	3.59933	0.18	2	DWF
219774 2001 YY_{145}	1007.671	0.86	2	SWF
219775 2002 AU_{2}	32.1977	0.21	2	DWF
219779 2002 AS_{13}	14.0624	0.43	2	DWF
219795 2002 AK_{121}	22.7922	0.49	2	DWF
219803 2002 AX_{151}			HN	DWF
219840 2002 CJ_{130}	49.9911	0.20	2	DWF
219859 2002 CX_{245}	3.48	0.23	2	SWF
219884 2002 EH_{49}	36.7304	0.37	2	DWF
219898 2002 ER_{118}	6.71	0.45	2	SWF
219974 2002 JM_{137}	>4.35	>0.36		SWF
219983 2002 LU_{61}	>1.35	>0.23		SWF
220026 2002 QG_{55}	8.065	0.58−0.71	2	SWF
220035 2002 RM_{6}	>1.0	>0.09		SWF
220080 2002 RX_{222}			HN	DWF
220111 2002 TH_{32}			HN	DWF
220117 2002 TQ_{46}	3.340	0.28	2	SWF
220119 2002 TV_{47}	32.975	0.10	1	SWF
220123 2002 TR_{60}	2.744	0.08	2	SWF
220124*2002 TE_{66}	3.89	0.16−0.51	2	
220127 2002 TD_{77}	6.607	0.37	2	SWF
220143*2002 TO_{134}	3.4987	0.08−0.15	2+	
220179 2002 UM_{10}			HN	DWF
220197 2002 VO_{21}	5.457	0.57	2	SWF
220205 2002 VH_{30}	9.835	0.36	2	SWF
220239 2002 XG_{15}	204.107	0.28	2	SWF
220242 2002 XY_{28}			HN	DWF
220243 2002 XJ_{31}	2.210	0.67	2	SWF
220266 2003 AN_{28}	3.50	0.20	2	SWF
220281 2003 BA_{47}	6.34017	0.29	2	DWF
220309 2003 EZ_{36}	9.24332	0.68	2	DWF
220324 2003 FA_{32}	6.293	0.71	2	SWF
220389 2003 QE_{68}	65.504	0.48	2	DWF
220428 2003 UJ_{3}	33.470	1.04	2	SWF
220446 2003 YX_{29}	5.10	0.22	2	SWF
220448 2003 YF_{65}		0.57		SWF
220457 2004 BY_{10}			HN	DWF
220678 2004 RB_{219}	60.8538	0.34	2	DWF
220798 2004 TF_{220}	53.5469	0.77	2	DWF
220838 2004 UD_{9}	5.220	0.43	2	SWF
220839 2004 VA	6.7906	1.59	3	
220883 2004 XY_{71}	4.03843	0.22	2	DWF
220988 2005 NE_{32}	4.295	0.72	2	SWF
221053 2005 QJ_{118}			HN	DWF
221069 2005 RF_{30}	19.6515	0.50	2 1	DWF
221118 2005 SL_{218}	70.8629	0.31	2	DWF
221129 2005 SQ_{259}	8.82139	0.59	2	DWF
221153 2005 TU_{73}	5.422	0.53	2	SWF
221175 2005 UR_{7}	5.074	0.56	2	SWF
221189*2005 UN_{41}	6.340	0.39−0.57	2	SWF
221216 2005 UM_{91}	6.665	0.31	2	SWF
221217 2005 UJ_{96}	5.56337	0.18	2	DWF
221247 2005 UT_{245}	7.66132	0.20	2	DWF
221267 2005 US_{313}	3.8397	0.10	1 NA	
221315 2005 VM_{42}	5.267	0.42	2	SWF
221344 2005 WS_{70}	13.72	0.95	1 DA	SWF
221359 2005 WM_{148}	89.4888	0.36	2	DWF
221440 2006 AE_{21}	3.80415	0.37	2	DWF
221540 2006 TG_{128}	408.946	0.83	2	SWF
221616 2006 XX_{38}	10.183	0.69	2	SWF
221652 2007 BM_{78}			HN	DWF
221680 2007 DZ_{18}	>3.72	>0.29		SWF
221781 2007 RD_{62}	55.544	0.59	2	SWF
221794 2008 BC_{34}	11.39	0.80	2	
221827 2008 EO_{78}	>1.78	>0.32		SWF
221903 2008 KY_{38}	10.256	0.22	2	SWF
221910 2008 QT_{23}	6.07	0.23−0.41	2+	
221922 2009 OJ	6.524	0.18	2	SWF
221964 1995 SF_{37}	>3.72	>0.16		SWF
221994 1997 PT_{4}	6.479	0.56−0.71	2	SWF
222073 1999 HY_{1}	10.37	0.16	2	
222177 2000 BL_{29}		0.58		SWF
222206 2000 EE_{1}	4.128	0.50	2	SWF
222252 2000 QX_{34}	10.902	0.53	2	SWF
222271 2000 RJ_{49}	12.266	0.48	2	SWF
222274 2000 RE_{83}	2.74	0.63	2	SWF
222288 2000 SJ_{130}	3.869	0.45	2	SWF
222292 2000 SS_{166}	5.059	0.25	2	SWF
222317 2000 TE_{1}	11.83	0.63	2	
222328 2000 UQ_{38}	174.133	0.41	2	DWF
222330 2000 UD_{66}	2.620	0.19	2	SWF
222334 2000 UK_{81}	22.7747	0.39	2	DWF
222355 2000 WU_{146}	18.159	0.18	2	DWF
222370 2000 YK_{56}	287.31	0.30	2 A3	DWF
222439 2001 QW_{46}			HN	DWF
222454 2001 QM_{279}	>5.48	>0.20		SWF
222490 2001 SA_{227}		1.5	I	
222494 2001 SV_{251}	5.779	0.67	2	SWF
222526 2001 UX	38.7456	1.41	2	DWF
222540 2001 UA_{173}	10.649	0.56	2	SWF
222599 2001 XZ_{14}	5.260	0.48	2 p	SWF
222606 2001 XC_{35}	546.106	0.60	2	DWF
222610 2001 XG_{56}			HN	DWF
222658 2001 XJ_{194}	5.89	0.21	2	SWF
222679 2001 YY_{54}	151.922	0.57	2	SWF
222685 2001 YF_{115}	6.522	0.35	2	SWF
222691 2002 AU_{7}	113.405	0.29	2	DWF

Planet	Period	Variation	Note	Survey
222698 2002 AY_{17}	62.2476	0.11	2	DWF
222703 2002 AG_{71}	7.024	0.67	2	SWF
222727 2002 AG_{164}	91.7779	0.25	2	DWF
222787 2002 CQ_{197}	5.39	0.88	2	SWF
222793 2002 CO_{205}	6.71	0.70	2	SWF
222797 2002 CU_{221}	>5.00	>0.26		SWF
222861 2002 EZ_{134}	8.99	0.74	2	
222869 2002 FB_{6}	8.98	0.28	2	
222914 2002 JW_{76}	505.589	0.37	2 1	DWF
222931 2002 NQ_{7}	>1.0	>0.44	N	
222933 2002 NO_{22}	>1.28	>0.22		SWF
222965 2002 QJ_{45}	8.21	0.65	2	SWF
222974 2002 QQ_{116}	>1.0	>0.16		SWF
223035 2002 TL_{25}	4.14	0.27	2	SWF
223047 2002 TQ_{80}	10.424	0.70−0.98	2	SWF
223058 2002 TA_{190}			HN	DWF
223059 2002 TR_{198}			HN	DWF
223060 2002 TN_{200}	4.73	0.42	2	SWF
223076*2002 TJ_{259}	3.57	0.68	2 D	SWF
223107 2002 VA_{13}	6.38	0.68	2	SWF
223120 2002 VZ_{32}	2.44	0.39	2	SWF
223121 2002 VN_{33}	6.003	0.74	2	SWF
223151 2002 XP_{8}	11.341	0.66	2	SWF
223155 2002 XY_{34}			HN	DWF
223170 2002 YP_{7}	8.321	0.60−0.66	2	SWF
223174 2002 YF_{22}			HN	DWF
223193 2003 AX_{71}	4.68	0.80−0.91	2	SWF
223209 2003 BL_{49}			HN	DWF
223231 2003 DT_{21}	7.96837	0.46	2	DWF
223247 2003 FR_{51}	3.83	0.56	2	SWF
223252 2003 FQ_{72}	4.95	1.03	3	SWF
223253 2003 FJ_{79}	2.765	0.31	2	SWF
223291 2003 HN_{49}	5.207	0.60	2	SWF
223302 2003 NH_{3}	S 18.1650		2 p N	LCI-W
223329 2003 QP_{59}	45.7448	0.30	2	DWF
223400 2003 SS_{123}	334.392	1.03	2	DWF
223407 2003 SF_{160}	3.52	0.45	2+	SWF
223409 2003 SV_{169}			HN	DWF
223512 2004 CA_{43}	4.97	0.63	2	SWF
223521 2004 CZ_{100}	3.176	0.31−0.45	2	SWF
223529 2004 DK_{42}	9.986	0.38	2	SWF
223543 2004 EV_{42}	5.57	0.78	2	SWF
223601 2004 GY_{78}	>1.00	>0.16		SWF
223622 2004 JX_{15}	8.168	0.65	2	SWF
223628 2004 JF_{30}	4.261	0.47	2	SWF
223634 2004 KV_{4}	3.235	0.83	2	SWF
223665 2004 PH_{37}	397.159	0.58	2	SWF
223710 2004 RX_{68}	20.1476	0.20	2	DWF
223734 2004 RK_{149}	256.816	0.35	2	DWF
223751 2004 RR_{196}	109.986	0.55	2	SWF
223768 2004 RE_{290}	12.645	0.33	2	DWF
223788 2004 SK_{50}	11.576	0.70	2	SWF
223993 2005 EC_{70}	5.92	0.84	2	SWF
223995 2005 EM_{140}	8.052	0.85	2	SWF
224056 2005 MH_{50}	7.29	0.21	2	SWF
224074 2005 NJ_{53}	6.418	0.70−0.74	2	SWF
224252 2005 SG_{193}	15.9526	0.15	2	DWF
224284 2005 TZ_{77}	20.1007	0.32	2	DWF
224316 2005 UR_{29}	16.4818	0.27	2	DWF
224325 2005 UJ_{46}	5.55	0.97	3−	SWF
224352 2005 UB_{111}	6.437	0.59	2	SWF
224415 2005 UB_{349}	7.111	0.67	2	SWF
224478*2005 VN_{75}	5.317	0.57−0.70	2	SWF
224522 2005 WS_{74}	7.44258	0.47	2	DWF
224532 2005 WH_{105}	28.5386	0.27	2	DWF
224553 2005 WE_{151}	15.166	0.65	2	SWF
224554 2005 WB_{152}	9.564	0.33	2	SWF
224561 2005 WH_{181}	5.17187	0.31	2	DWF
224580 2005 XR_{29}	>5.48	>0.23		SWF
224586 2005 XD_{64}	11.5953	0.13	2	DWF
224604 2005 YR_{44}	>1.28	>0.16		SWF
224611 2005 YV_{63}	10.43	0.75	2−	SWF
224663 2006 AJ_{7}	35.3552	0.17	2	DWF
224684 2006 AU_{83}	202.325	0.53	2	DWF
224784 2006 QU_{115}			HN	DWF
224792 2006 SF_{371}	7.896	0.11		
224797 2006 TJ_{90}	3.28	0.18	2	SWF
224829 2006 WD_{80}			HN	DWF
224927 2007 DF_{42}			HN	DWF
224946 2007 DF_{106}	8.65	0.68	1+	SWF
224958 2007 EM_{18}			HN	DWF
225088 Gonggong	22.40	0.04	2− A	
225094 2008 CU_{25}	>4.95	>0.47		SWF
225176 2008 HV_{18}	20.524	0.50	2	SWF
225212 2008 RF_{25}	>18.	>0.75	2	
225263 2009 RQ_{30}	7.661	0.47	2	SWF
225312 1996 XB_{27}	1.195	0.52	2	
225321 1997 XP_{7}	7.920	0.36	2	SWF
225334 1998 RX_{45}	>2.70	>0.49		SWF
225351 1998 TA_{20}	13.62	0.80	1 DA	SWF
225381 1999 TL_{90}	5.792	0.75	2	SWF
225388 1999 UN_{18}	6.02018	0.66	2	DWF
225415 1999 XA_{261}	2.96	0.31	2	SWF
225416 1999 YC	4.531	0.69−0.88	3	
225445 2000 DO_{36}	4.12	0.45	2	SWF
225463 2000 EQ_{67}			HN	DWF
225474 2000 FE_{59}	6.936	0.57	2	SWF
225482 2000 GS_{136}	51.2	0.36	2	
225484 2000 GY_{154}	33.7389	0.30	2	DWF
225503 2000 PY_{21}	79.931	0.73	2	SWF
225507 2000 QG_{71}			HN	DWF
225534 2000 SX_{25}	180.356	0.64	2	SWF
225546 2000 SH_{173}	10.336	0.80	2	SWF
225554 2000 SP_{304}	5.660	0.96	2	SWF
225561 2000 SB_{372}	281.553	0.55	2	SWF
225567 2000 TD_{45}	63.332	0.77	2	SWF
225591 2000 WL_{103}	24.1166	0.37	2	DWF
225603 2000 YT_{39}	6.31516	0.29	2	DWF
225617 2001 AQ_{14}			HN	DWF
225685 2001 QW_{41}			HN	DWF
225708 2001 QH_{246}	>1.1	>0.26		SWF
225716 2001 RH_{23}			HN	DWF
225736 2001 RB_{150}			HN	DWF
225752 2001 ST_{152}			HN	DWF
225790 2001 UY_{111}	4.499	0.56	2	SWF
225806 2001 VC_{82}	8.260	0.70	2	SWF
225811 2001 VF_{113}	>2.75	>0.48		SWF
225849 2001 XS_{159}	19.7879	0.38	2	DWF
225866 2001 XM_{223}	9.264	0.53	2	SWF
225872 2001 XG_{260}	>1.97	>0.37		SWF
225873 2001 YL_{4}	2.8464	0.39	1 NA	
225887 2001 YP_{108}	>5.42	>0.12		SWF
225930 2002 AL_{161}	241.784	0.45	2	SWF
225974 2002 CG_{160}	S 5.72761		2 p N	LCI-W
226028 2002 ED_{128}	5.45	0.90	1+	SWF
226039 2002 GB_{13}	4.592	0.50	2	SWF
226044 2002 GE_{66}	4.02	0.49	2	SWF
226051 2002 GC_{113}	S 2.946893		2 p N	LCI-W
226052 2002 GW_{116}	30.7391	0.37	2	DWF
226163 2002 TG_{20}	>1.0	>0.10		SWF
226193 2002 TY_{285}	6.19	0.69	2	SWF
226214 2002 VV_{58}	S 8.74017		2 p N	LCI-W
226249 2002 XQ_{75}	3.008	0.11	2	SWF
226268*2003 AN_{55}	31.168	0.35−0.36	3−	
226278 2003 AY_{92}			HN	DWF
226298 2003 BY_{68}	6.12	0.72	2	SWF
226311 2003 CX_{7}	6.49	0.69−0.71	2	SWF
226319 2003 DQ_{20}			HN	DWF
226465 2003 SS_{148}			HN	DWF
226486 2003 SV_{241}			HN	DWF
226514 2003 UX_{34}			BRN	
226554 2003 WR_{21}			I	
226604 2004 CC_{86}	3.56	0.49	2	SWF
226608 2004 DQ_{21}	5.102	0.61−0.88	2	SWF
226642 2004 FZ_{64}	4.962	0.34	2	SWF
226652 2004 FT_{110}	3.57	0.32	2	SWF
226682 2004 HP_{43}	4.47	0.77	2	SWF
226691 2004 JA_{22}	19.9	0.20	1+	
226714 2004 PV_{13}	2.40	0.81	1+	SWF
226730 2004 PB_{93}	96.8981	0.40	2	DWF
226735 2004 QP_{9}	29.8389	0.25	2	DWF
226751 2004 RE_{28}	6.91	0.62	3−	SWF
226808 2004 RC_{217}	5.174	0.39	2	SWF
226828 2004 RR_{321}	259.241	0.90	2	SWF
226838 2004 SL_{19}	6.196	0.72	2	SWF
226863 2004 TK_{38}	6.44	0.90	1 DA	SWF
226887 2004 TO_{133}	874.875	0.90	2 A	DWF
226920 2004 TT_{221}	9.5506	0.78	2	DWF
226971 2004 VH_{112}	6.08	0.76	2	SWF
227131 2005 OB_{10}			HN	DWF

Planet	Period	Variation	Note		Survey
227136 2005 OL_{14}				HN	DWF
227139 2005 OG_{26}	7.778	0.44−0.47	2		SWF
227140 2005 OT_{27}	>1.15	>0.13			SWF
227182 2005 QW_{52}	7.08	0.55	2		SWF
227189 2005 QS_{67}	4.17	0.47−0.53	2		SWF
227214 2005 QU_{177}				HN	DWF
227230 2005 RZ_{40}	9.45	0.66	2		SWF
227234 2005 SR_{5}	2.27	0.57	2		SWF
227247 2005 SC_{50}	>1.33	>0.20			SWF
227261 2005 SE_{93}	>3.72	>0.19			SWF
227329 2005 TQ_{190}				HN	DWF
227381 2005 US_{256}	2.83	0.43	2		SWF
227382 2005 UV_{265}	8.28	0.55	2		SWF
227503 2005 XR_{84}	30.238	0.40	2		SWF
227607 2006 AD_{71}	4.64	0.60	2		SWF
227683 2006 CO_{49}	2.87	0.61	2		SWF
227731 2006 EY_{62}	5.22	0.77	2		SWF
227763 2006 RC_{2}	>5.48	>0.22			SWF
227766 2006 TT_{87}	6.02	0.23	2		SWF
227811 2007 BW_{43}	7.29	0.72	2		SWF
227837 2007 CX_{56}	5.726	0.68−0.70	2		SWF
227839 2007 CC_{73}	2.41	0.56	2		SWF
227840 2007 DC_{1}				HN	DWF
227955 2007 GQ_{67}	5.13	0.78	2+		SWF
227961*2007 HO_{10}	7.467	0.73−0.76	2		SWF
227991*2007 JJ_{10}	20.305	0.33−0.36	2		SWF
228006 2007 RL_{6}	9.90	0.21	2−		
228102 2008 SY_{172}	7.259	0.25−0.26	2+	H	DWF
228114 2008 TB_{61}		1.03		I	
228142 2009 RZ_{45}				HN	DWF
228176 2009 SP_{263}				HN	DWF
228187 2009 TQ_{35}	2.93	0.27	2		SWF
228188 2009 UA_{21}	4.839	0.77	2		SWF
228255 1999 ET_{7}	4.2	0.25	1		SWF
228284 2000 AJ_{176}	9.81969	0.22	2	1	DWF
228328 2000 RO_{19}	125.577	0.76	2		SWF
228330 2000 RQ_{34}	6.937	0.48	2		SWF
228332 2000 RL_{99}	17.430	0.11	2		SWF
228334 2000 SK_{28}	9.235	0.82	2		SWF
228381 2000 WM_{133}	16.161	0.47	2		SWF
228384 2000 XD_{14}				HN	DWF
228385 2000 XW_{20}				HN	DWF
228460 2001 RH_{1}	5.26	0.26	2		SWF
228490 2001 SL_{211}	>1.9	>0.15			SWF
228502*2001 TE_{2}	13.14	0.23	3		
228533 2001 VR_{19}	21.502	0.59	2		SWF
228561 2001 XC_{137}				HN	DWF
228564 2001 XP_{187}				HN	DWF
228570 2001 XA_{221}	3.9904	0.15	1+		SWF
228576 2001 YR_{72}	2.516	0.14	2		SWF
228578 2001 YB_{92}				HN	DWF
228582 2001 YJ_{112}	5.393	0.46	2		SWF
228587 2002 AP_{7}	7.45	0.12	2−		
228603 2002 AB_{177}				HN	DWF
228618 2002 CC_{49}	11.826	0.50	2		SWF
228624 2002 CD_{106}				HN	DWF
228653 2002 EZ_{129}	8.29	0.23	2		
228729 2002 TH_{121}	9.247	0.55−0.59	2		SWF
228747 2002 VH_{3}	7.961	0.20	3−		
228791 2002 YQ_{29}	>1.97	>0.30			SWF
228821 2003 BV_{57}	8.180	0.81−0.90	2		SWF
228830 2003 DP	4.294	0.51−0.64	2		SWF
228833*2003 DV_{3}	1.80	0.20	2		SWF
228845 2003 EQ_{54}	>1.0	>0.15			SWF
228871*2003 HQ_{31}	11.152	0.37−0.67	2		SWF
228894 2003 RD_{11}	5.092	0.59	2		SWF
229020 2003 YU_{68}	37.89	0.95	3		SWF
229062 2004 GB_{24}	2.46	0.52	2		SWF
229126 2004 RP_{176}	6.794	0.60	2		SWF
229130 2004 RR_{191}	4.317	0.60	2		SWF
229195 2004 TV_{285}	10.243	0.20	2		SWF
229216 2004 VK_{72}	3.877	0.42	2		SWF
229223 2004 XB_{5}	16.170	0.45	2		SWF
229372 2005 RM_{9}	30.6921	0.19	2		DWF
229401*2005 SU_{152}	28.	0.76−0.8	2		
229425 Grosspointner	5.89	0.55	1+		SWF
229441 2005 UJ_{8}	>0.67	>0.14			SWF
229468 2005 UE_{253}	4.97	0.76	2		SWF
229494 2005 US_{499}	2.78235	0.23	2		DWF
229495 2005 UG_{508}	5.348	0.58	2		SWF

Planet	Period	Variation	Note		Survey
229567 2006 AR_{33}	192.207	0.63	2		SWF
229578 2006 BD_{38}				HN	DWF
229702 2007 EO_{48}	9.331	0.55	2		SWF
229762 G!kún‖'hòmdímà	11.05	0.03	2−	BH1	
229782 2008 PZ_{3}				HN	DWF
229810 2008 SE_{164}	4.27	0.46	2−		SWF
229820 2008 TA_{84}				HN	DWF
229917 1995 CQ_{7}	6.27	0.81	2		SWF
230034 2000 QV_{26}				HN	DWF
230047 2000 SJ_{40}	3.940	0.47	2		SWF
230067 2000 TG_{72}	9.32	0.44	2		SWF
230071 2000 UH_{55}	7.10698	0.28	2		DWF
230111 2001 BE_{10}	4.194	0.23−0.32	3		
230114 2001 BR_{71}					SWF
230121 2001 DR_{83}	4.50	0.70	2		SWF
230151 Vachier	9.082	0.69	2		SWF
230162 2001 QE_{244}	5.78	0.47	2		SWF
230191 2001 SF_{103}	>4.35	>0.31			SWF
230194 2001 SH_{135}	7.45	0.36	2		SWF
230204 2001 ST_{265}	4.6	0.59−0.70	2		SWF
230213 2001 TP_{31}	11.466	0.23−0.28	2		SWF
230224 2001 TS_{160}	4.836	0.38−0.57	2		SWF
230229 2001 TH_{199}	S 6.04890		2	p N	LCI-W
230242 2001 UD_{131}	>1.33	>0.11			SWF
230282 2001 XH_{215}				HN	DWF
230290 2001 YQ_{13}	110.470	0.84	2		SWF
230313 2002 CE_{2}				HN	DWF
230321 2002 CY_{53}	14.6111	0.27	2		DWF
230529 2002 XX_{28}	47.9028	0.74	2		DWF
230538 2002 YG_{16}	42.3759	0.17	2		DWF
230570 2003 BQ_{64}	12.	0.30	1	D	SWF
230589 2003 EM_{12}	12.538	0.38	2		SWF
230617 2003 FW_{104}	>1.5	>0.29			SWF
230673 2003 ST_{269}	251.379	0.35	2		DWF
230676 2003 SP_{292}	7.310	0.75	2		SWF
230690 2003 UX_{16}	4.782	0.33	2		SWF
230738 2003 WO_{10}					SWF
230759 2003 WE_{183}	8.27338	0.35	2		DWF
230871 2004 RA_{199}	13.129	0.65	2		SWF
230872 2004 RG_{199}	535.057	0.66	2		SWF
230885 2004 RF_{338}	>4.70	>0.32			SWF
230920 2004 TZ_{323}	>5.15	>0.30			SWF
230928 2004 VD_{54}	8.07	1.09	2		SWF
230946 2004 XT_{45}				HN	DWF
230965 2004 XA_{192}	7.88	0.07	1+	1	
230974 2005 AZ_{14}				HN	DWF
231051 2005 GW_{60}	9.4	0.60	2		SWF
231130 2005 SG_{264}	>1.78	>0.13			SWF
231134*2005 TU_{45}	2.6717	0.40−0.45	2+		
231176 2005 UU_{170}	>3.72	>0.41			SWF
231177 2005 UK_{194}	8.92	0.78	2		SWF
231217 2005 WW_{126}	48.3395	0.40	2		DWF
231267 2006 AM_{16}	16.4729	0.24	2		DWF
231291 2006 BZ_{102}					SWF
231298 2006 BQ_{144}	98.3252	0.37	2		DWF
231301 2006 BU_{161}	47.6361	0.26	2		DWF
231324 2006 DQ_{3}	4.63	0.68	2		SWF
231333 2006 DO_{179}	5.377	0.53	2		SWF
231336 2006 DL_{197}	9.313	0.78	2		SWF
231421 2007 EU_{55}	4.195	0.16	2		SWF
231439 2007 FU_{23}	>5.35	>0.27			SWF
231449 2007 HH_{51}				HN	DWF
231501 2008 QV_{43}	15.2618	0.25	2		DWF
231559 2008 TC_{46}	3.70	0.26	2		SWF
231631 2009 TV_{41}		1.03		I	
231664 2009 YL_{6}	8.332	0.59	2		SWF
231668 1981 EK_{28}	9.897	0.69	2		SWF
231696 1998 HV_{127}	>4.88	>0.44			SWF
231717 1999 CK_{9}	4.263	0.47−0.55	2		SWF
231741 1999 RX_{141}	5.0	0.55	2		SWF
231752 1999 TF_{173}	8.493	0.61	2		SWF
231831 2000 OR_{10}	13.322	0.16	2		SWF
231848 2000 SR_{31}	>3.72	>0.23			SWF
231865 2000 SY_{318}	3.02	0.34	2		SWF
231866 2000 SF_{319}	24.1937	0.64	2		DWF
231871 2000 TD_{13}	77.3669	0.22	2		DWF
231893 2000 WS_{73}	3.949	0.50	2		SWF
231907 2000 YX_{39}	61.2311	0.25	2		DWF
231927 2001 DU_{30}	24.4	0.90	2		SWF
231958 2001 PF_{28}	4.5	0.48−0.65	2		SWF

Planet	Period	Variation	Note	Survey
232008 2001 SC_{140}	39.442	0.65	2	SWF
232052 2001 UK_{40}	>1.97	>0.24		SWF
232058 2001 UL_{108}	>1.9	>0.26		SWF
232067 2001 UR_{220}	4.2	0.29	1 N	
232072 2001 VE_{19}	10.30	0.31	2	SWF
232090 2001 XY_{16}	>4.45	>0.22		SWF
232161 2002 CN_{261}	>5.48	>0.10		SWF
232164 2002 CT_{299}	67.615	0.84	2	SWF
232195 2002 GG_{2}	45.133	0.87	2	SWF
232206 2002 GN_{107}	11.4	0.45−0.80	2	SWF
232241 2002 OA_{7}	14.746	0.34	2	SWF
232247 2002 PJ_{19}	4.40	0.94	1+	SWF
232257 2002 PT_{135}	4.802	0.59	2	SWF
232278 2002 RQ_{20}	7.983	0.33	2	SWF
232321 2002 TM_{113}	6.175	0.50	2	SWF
232336 2002 TV_{289}	5.951	0.78	2	SWF
232345 2002 UX_{72}	84.7108	0.50	2	DWF
232357 2002 XT_{16}	15.345	0.18	2	SWF
232360*2002 XB_{67}	S 10.15270	0.33	2 p	LCI-W
232368 2003 AZ_{2}	31.1	0.96	2+ T?	
232438 2003 FH_{71}	>24.	0.25		
232486 2003 NN	3.86	0.62	2	SWF
232539 2003 SG_{103}			HN	DWF
232574 2003 SH_{324}			HN	DWF
232579 2003 SM_{351}	>5.48	>0.44		SWF
232588 2003 TL_{51}	4.461	0.31	2	SWF
232645 2003 UG_{372}	18.3001	0.42	2	DWF
232674 2003 YF_{45}	8.50	0.53−0.71	2+	SWF
232692 2004 AM_{6}	94.251	0.74	2	SWF
232767 2004 PQ_{39}	>1.35	>0.21		SWF
232775 2004 PA_{75}	2.31	0.39	2	SWF
232783 2004 QF_{3}	8.886	0.27	2	SWF
232802 2004 RV_{199}	27.873	0.35	2	SWF
232827 2004 SX_{51}	6.755	0.24	2	SWF
232870 2004 UQ_{3}	492.893	0.60	2	DWF
232888 2004 XG_{17}	S 2.541844		2 p N	LCI-W
232944 2005 CL_{34}	S 9.92389		2 p N	LCI-W
232947 2005 EP_{5}	3.968	0.30	2	SWF
232957 2005 EU_{24}	13.4793	0.48	2	DWF
233023 2005 ER_{264}	6.78	0.56	1 DA	SWF
233046 2005 GO_{41}	8.76	0.44	2	SWF
233051 2005 GP_{77}	6.976	0.61	2	SWF
233071 2005 JY_{70}	10.748	0.35	2	SWF
233080*2005 PG	7.180	0.27	3	
233120 2005 TN_{24}	53.547	0.69	2	SWF
233122 2005 TP_{59}	>1.77	>0.22		SWF
233123 2005 TB_{60}	33.0	0.90	2+	SWF
233175 2005 VJ_{78}	5.253	0.47	2	SWF
233178 2005 VG_{125}	5.0539	0.21	2 A3	DWF
233200 2005 WT_{189}	27.008	0.19	2	DWF
233214 2005 XT_{110}	4.19	0.59	2	SWF
233229 2005 YD_{39}	8.671	0.74−0.82	2	SWF
233350 2006 DT_{61}	5.324	0.66−0.71	2	SWF
233351*2006 DU_{61}	2.847	0.37−0.40	2	SWF
233366 2006 DH_{138}			HN	DWF
233377 2006 DZ_{197}	86.8571	0.24	2	DWF
233378 2006 DP_{199}	5.549	0.54−0.58	2	SWF
233392 2006 FP_{6}	7.22	0.50	2	SWF
233401*2006 FF_{39}	15.896	0.55−0.56	3−	
233482 2006 SD_{147}	8.133	1.00	2	SWF
233486 2006 UF_{1}	12.63	0.50	2	SWF
233487 2006 XA_{19}	24.6236	0.07	2	DWF
233547 Luxun	72.9337	0.54	2	DWF
233557 2007 NA_{5}	5.61	0.48	2	SWF
233572 2007 PR_{31}	3.81	0.58	1+	SWF
233576 2007 QL	8.703	0.31	2	SWF
233623 2007 TG_{243}	14.9547	0.19	2	DWF
233760 2008 TT_{55}	2.79	0.30	2	SWF
233814 2008 UF_{170}			HN	DWF
233833 2008 UY_{266}			HN	DWF
233852 2008 UC_{364}	30.590	0.43	2	SWF
233874 2008 WL_{59}	8.14	0.85	2	SWF
233904 2009 BA_{128}	2.83	0.28−0.40	2	SWF
233907 2009 CA_{62}	499.596	0.21	2	DWF
233929 2009 UN_{83}	4.85	0.73	2	SWF
233939 2009 VR_{58}		1.1	I	
233963 2010 AP_{31}	5.25	0.25	2	SWF
233991 1995 WU_{23}	>1.90	>0.30		SWF
234071 1999 RG_{141}	5.57	0.89	2	SWF
234083 1999 TT_{98}	66.6637	0.62	2	DWF
234145 2000 EW_{70}	<33.		2 RT0	
234162 2000 HM_{103}	3.10	0.45	2	SWF
234163 2000 JB_{86}	44.9075	0.22	2	DWF
234193 2000 QK_{140}	4.182	0.38	2	SWF
234194 2000 QS_{142}	20.0981	0.13	2	DWF
234254 2000 UE_{11}	4.924	0.68	2	SWF
234280 2000 WM_{154}	54.4305	0.38	2	DWF
234287 2000 XM_{11}	7.024	0.24	2	SWF
234295 2000 YK_{45}	3.792	0.34	2	SWF
234311 2001 AL_{53}	6.192	0.31−0.36	2	SWF
234314 2001 BY_{30}	3.37	0.33	2	SWF
234330 2001 EF	2.99858	0.20	2	DWF
234352 2001 HZ_{41}	>1.98	>0.27		SWF
234400 2001 QR_{292}	4.049	0.17	2	SWF
234514 2001 TW_{240}	9.618	0.73	2	SWF
234522 2001 US_{48}	5.74	0.94	2	SWF
234565 2001 XM_{50}	7.93	>0.7	1	SWF
234578 2001 XT_{177}	4.32	0.24	2	SWF
234588 2001 YU_{25}	>1.33	>0.13		SWF
234621 2002 AH_{145}	>1.78	>0.47		SWF
234631 2002 CL_{11}	6.11	0.42	2	SWF
234637 2002 CP_{46}	>4.35	>0.35		SWF
234672 2002 GE_{14}	>3.37	>0.43		SWF
234696 2002 GW_{129}	5.55	0.58	2	SWF
234761 Rainerkracht	7.44	0.26	2	SWF
234786 2002 QY_{3}	6.84654	0.16	2	DWF
234795 2002 QR_{61}	9.41	0.82	2	SWF
234798 2002 QO_{69}	>5.35	>0.47		SWF
234841 2002 RM_{174}	9.546	0.68	2	SWF
234846 2002 RB_{187}	20.834	0.64	2	SWF
234848 2002 RN_{193}	5.435	0.57	2	SWF
234853 2002 RU_{220}	5.36	0.31	2	SWF
234855 2002 RZ_{228}	12.262	0.67	2	SWF
234886 2002 TL_{88}	123.721	0.67	2	SWF
234909 2002 TZ_{265}	7.15976	0.61	2	DWF
234934 2002 UG_{28}	5.96	0.27	2	SWF
234938 2002 VC_{10}	2.657	0.23	2	SWF
234943 2002 VT_{38}	32.4593	0.27	2	DWF
234979 2003 AR_{14}	>1.15	>0.12		SWF
235086 2003 HW_{11}	6.385	0.80	3−	
235132 2003 QP_{57}	4.780	0.45−0.50	2	SWF
235146 2003 QE_{96}	>1.45	>0.13		SWF
235181 2003 SW_{77}	>2.87	>0.10		SWF
235190 2003 SF_{108}	588.253	0.71	2	DWF
235222 2003 SU_{237}	3.62	0.26	2	SWF
235263 2003 SN_{428}	5.67	0.65−0.97	2+	SWF
235312 2003 UL_{133}	633.265	0.70	2	DWF
235313 2003 UJ_{134}	5.956	0.52−0.54	2	SWF
235323 2003 UU_{181}	4.92	0.77	2	SWF
235333 2003 UE_{201}	36.43	0.32	2	DWF
235421 2003 YW_{37}	5.199	0.30	2	SWF
235426 2003 YH_{70}	4.021	0.64	2	SWF
235495 2004 BE_{92}	9.67173	0.21	2	DWF
235520 2004 CC_{3}	6.439	0.64	2	SWF
235615 2004 PS_{104}	4.10	0.18	2	SWF
235626 2004 RO_{17}	417.944	0.58	2	DWF
235661 2004 RB_{221}	5.16	0.56−0.64	2	SWF
235714 2004 TD_{112}	18.648	0.65	2	SWF
235736 2004 TP_{250}	7.81986	0.18	2	DWF
235756 2004 VC	7.18	0.12	2+	
235773 2004 VD_{24}	6.784	0.27	2	SWF
235801 2004 XT_{25}			HN	DWF
235841 2004 YC_{12}	9.32	0.62	2	SWF
235854 2005 AQ_{29}			HN	DWF
235882 2005 CM_{5}	8.662	0.55−0.58	2	SWF
235885 2005 CK_{10}	6.53	0.79	2	SWF
235891 2005 CA_{49}	>5.40	>0.55		SWF
235901 2005 CV_{80}	8.347	0.68	2	SWF
235945 2005 EV_{143}	>5.35	>0.34		SWF
235968 2005 EY_{236}	4.59	0.73	2	SWF
236071 2005 JU_{102}	7.11	0.57	2	SWF
236074 2005 JW_{126}	S 3.29050		2 p N	LCI-W
236177 2005 VS_{56}	121.237	0.21	2	DWF
236241 2005 YA_{52}			HN	DWF
236432 2006 DF_{132}	3.27	0.46	2	SWF
236442 2006 DD_{199}	5.15373	0.50	2	DWF
236472 2006 FS_{14}	6.04	0.54	2	SWF
236473 2006 FO_{18}	12.63	0.73	2	SWF
236497 2006 GU_{20}	16.685	0.65	2	SWF
236504 2006 GC_{31}	S 8.98467		2 p N	LCI-W

Planet	Period	Variation	Note	Survey
236514 2006 GB_{48}	7.74	0.70	2	SWF
236554 2006 HX_{58}	7.32107	0.25	2	DWF
236635 2006 KS_{33}	S 5.51188		2 p N	LCI-W
236639 2006 KJ_{39}	12.6083	0.25	2	DWF
236665 2006 MJ_{1}	8.3	0.40	2+	SWF
236672 2006 PK_{35}	11.85	0.60	2	SWF
236701 2007 EH_{38}	>1.97	>0.64		SWF
236781 2007 PG_{15}	6.479	0.81	2	SWF
236789 2007 PY_{35}	5.280	0.71	2	SWF
236796 2007 PC_{44}	4.328	0.41	2	SWF
236851 Chenchikwan	12.50	0.73	2	SWF
236876 2007 RD_{280}	>1.78	>0.11		SWF
236901 2007 TX_{31}	41.2548	0.78	2	DWF
236904 2007 TF_{55}	4.62	0.73	2	SWF
236957 2007 UF_{34}	20.0879	0.22	2	DWF
236992 2008 RF_{9}	74.6531	0.49	2	DWF
237030 2008 SB_{68}	33.9323	0.23	2	DWF
237039 2008 SM_{106}			HN	DWF
237061 2008 SU_{194}	130.093	0.45	2	DWF
237072 2008 SR_{251}			HN	DWF
237086 2008 SJ_{309}	>3.72	>0.32		SWF
237097 2008 TE_{45}	4.514	0.62	2	SWF
237100 2008 TE_{73}	7.842	0.88	2	SWF
237114 2008 TY_{157}	15.625	0.66	2	SWF
237154 2008 UR_{96}	4.552	0.47	2	SWF
237181 2008 UX_{184}	4.44	0.51	2	SWF
237192 2008 UA_{242}	4.8	0.48	2	
237266 2008 WX_{96}	3.71	0.54	2	SWF
237286 2008 XB_{21}			HN	DWF
237306 2008 YH_{89}			HN	DWF
237332 2009 UN_{87}	6.111	0.44	2	SWF
237344 2010 AY_{23}	5.623	0.27	2	SWF
237434 1999 PH_{3}	35.429	0.10	1	SWF
237442*1999 TA_{10}	5.101	0.12	2−	
237444 1999 TZ_{66}	3.46	0.23	2	SWF
237492 2000 OY_{39}	10.453		2−	SWF
237503 2000 QP_{186}	23.7159	0.20	2	DWF
237510*2000 RM_{69}	7.521	0.36−0.68	2	SWF
237520 2000 SP_{49}	>3.50	>0.17		SWF
237538 2000 TP_{18}	104.079	0.48	2	DWF
237591 2001 FN_{131}	88.9683	0.21	2	DWF
237618 2001 RZ_{31}	>1.23	>0.14		SWF
237691 2001 TG_{202}	14.8768	0.38	2	DWF
237709 2001 UN_{161}	5.00	0.29	2−	SWF
237750 2001 XP_{246}	3.15	0.24	2	SWF
237777 2002 AH_{114}	10.79	0.87	2	SWF
237805*2002 CF_{26}	3.7756	0.54−0.99	3	
237921 2002 PF_{173}	3.792	0.40−0.52	2	SWF
238033 2002 WA_{27}	4.66	0.90	1+	SWF
238063 2003 EG	7.23	0.74	3−	
238140 2003 RT_{7}	422.299	0.89	2	DWF
238181 2003 SO_{237}	>1.97	>0.21		SWF
238190 2003 SU_{293}	25.457	0.99	2	SWF
238261 2003 WP_{9}	6.761	0.50−0.61	2	SWF
238272 2003 WJ_{68}	61.0553	0.46	2	DWF
238321 2003 YP_{140}	25.6	0.21	2	SWF
238349 2004 BG_{111}	5.	0.13	2−	
238393 2004 ET_{2}	>5.48	>0.26		SWF
238500 2004 SM_{33}	49.4403	0.20	2	DWF
238509 2004 TH_{52}	73.547	0.74	2	SWF
238535 2004 TQ_{334}	6.53	0.87	2	SWF
238543 2004 VK_{36}	3.846	0.64	2	SWF
238562 2004 XX_{53}	5.38856	0.74	2	DWF
238563 2004 XN_{60}	2.37	0.47	2	SWF
238565 2004 XQ_{74}	S 5.46762		2 p N	LCI-W
238573 2004 XL_{98}	65.983	0.65	2	DWF
238584 2004 XR_{181}	8.085	0.85	2	SWF
238619 2005 BG_{24}	5.20371	0.39	2	DWF
238636 2005 CF_{55}	8.73	0.76	2	SWF
238650 2005 EV_{44}	9.06	0.54	2	SWF
238671 2005 EM_{179}			HN	DWF
238676 2005 EC_{193}	S 8.52647		2 p N	LCI-W
238805 2005 LZ_{53}			HN	DWF
238850 2005 UL_{530}	5.33	1.10	2	SWF
238882 2005 YY_{42}	107.652	0.31	2	DWF
238913 2006 AE_{9}	4.93	0.16	2−	SWF
239035 2006 DZ_{145}	3.21	0.45	2	SWF
239036 2006 DS_{147}	4.21	0.53	2	SWF
239057 2006 FO_{4}	76.0435	0.47	2	DWF
239060 2006 FV_{24}	>4.35	>0.23		SWF
239101 2006 HN_{53}	10.21	0.79	2	SWF
239107 2006 HH_{58}	3.21	0.75	1+	SWF
239141 2006 JC_{40}	2.91	0.35	2	SWF
239152 2006 KD_{9}	4.23	0.63	2	SWF
239163 2006 KZ_{30}	14.772	0.32	2	SWF
239209 2006 PR_{28}	130.271	0.15	2	DWF
239293 2007 PX_{16}	6.15339	0.75	2	DWF
239303 2007 PB_{43}	292.050	0.92	2	SWF
239392 2007 TG_{20}	5.75	0.55	2	SWF
239402 2007 TU_{41}	7.509	0.55	2	SWF
239440 2007 TR_{171}	6.277	0.61−0.69	2	SWF
239668 2008 XU_{53}	3.78	0.65	2	SWF
239673 2008 YV_{22}	4.68	0.61	2	SWF
239806 1996 GJ_{5}	22.12	0.57	2	SWF
239885 2000 QN_{141}	33.8709	0.16	2	DWF
239889 2000 RF	8.521	0.83	2	SWF
239910 2000 SQ_{240}	7.74116	0.18	2	DWF
239931 2000 WL_{162}	10.2852	0.17	2	DWF
239955 2001 FY_{169}	7.91484	0.38	2	DWF
239960 2001 HS_{36}	12.7183	0.28	2	DWF
239974 2001 QN_{257}	18.8899	0.22	2	DWF
239987 2001 RF_{138}	4.507	0.60	2	SWF
240098 2002 CP_{96}	4.53	0.73	2	SWF
240104 2002 CA_{183}	26.1612	0.22	2	DWF
240161 2002 PU_{25}			HN	DWF
240172 2002 PC_{180}			HN	DWF
240198 2002 RC_{54}	22.33	0.43	2	SWF
240227 2002 TQ_{77}	5.34905	0.28	2	DWF
240238 2002 TB_{268}	8.467	0.68	2	SWF
240259 2002 VL_{90}	317.037	0.21	2	DWF
240366 2003 SO_{147}	133.074	0.18	2	DWF
240401 2003 UY_{168}	16.78	0.13	2	SWF
240419 2003 WW	11.335	0.38	2	SWF
240437 2003 WG_{159}	187.603	0.76	2	DWF
240468 2004 BV_{30}	6.20	0.65	1 DA	SWF
240486 2004 BU_{156}	3.53	0.40	2	SWF
240556 2004 RQ_{164}	26.1365	0.44	2	DWF
240558 2004 RU_{250}	5.923	0.60−0.70	2	SWF
240664 2005 EJ_{49}	26.971	0.16	2	DWF
240732 2005 JK_{28}			HN	DWF
240738 2005 JQ_{86}	151.757	0.20	2	DWF
240765 2005 MX_{12}	9.06	0.58	2	SWF
240780 2005 SA_{221}	S 6.89216		2 p N	LCI-W
240802 2005 YT_{70}	>5.35	>0.26		SWF
240977 2006 JP_{42}	2.68	0.32	2	SWF
241002 2006 KE_{92}	9.56	0.29	2	SWF
241046 2006 RD_{76}			HN	DWF
241050 2006 RU_{104}	3.743	0.16	1	SWF
241076 2006 TG_{62}	44.571	0.60	2	SWF
241092 2006 VR_{2}	8.665	0.65	2	SWF
241102 2007 HO	8.727	0.50	2	SWF
241122 2007 PU_{22}	10.1153	0.13	2	DWF
241129 2007 PL_{35}	241.587	1.65	2	DWF
241136 Sandstede	441.521	0.80	2	DWF
241158 2007 RR_{81}	9.7	0.60	3−	SWF
241184 2007 RZ_{258}	7.61752	0.47	2	DWF
241203 2007 TE_{27}	>3.72	>0.36		SWF
241215 2007 TA_{63}			HN	DWF
241216 2007 TM_{63}	9.850	0.50−0.51	2	SWF
241221 2007 TO_{80}	5.45	0.67	2	SWF
241223 2007 TJ_{95}	9.49134	0.51	2	DWF
241303 2007 UD_{98}	>1.82	>0.35		SWF
241339 2007 VL_{269}	7.7	0.85	2+	
241477 2009 BH_{36}			HN	DWF
241528 Tubman		1.3	I	
241596 1998 XM_{2}	8.75	0.40	3−	
241603 1999 RC_{110}	3.579	0.37	2	SWF
241607 1999 RJ_{201}	5.783	0.44−0.51	2	SWF
241618 1999 TY_{271}	6.517	0.73	2	SWF
241620 1999 UQ_{26}	5.998	0.39	2	SWF
241623 1999 VT_{19}	8.417	0.68	2	SWF
241629 1999 VC_{173}	3.86894	0.40	2	DWF
241648 2000 EN_{11}	41.371	0.98	2	SWF
241655 2000 HL_{99}	>1.35	>0.20		SWF
241665 2000 OO_{26}	16.3623	0.31	2	DWF
241731 2000 VL_{58}	>1.15	>0.07		SWF
241804 2001 QW_{282}	>12.	>0.2	2−	
241827 2001 SR_{209}	7.56	0.75	2	SWF
241872 2001 UR_{27}	16.1163	0.19	2	DWF
241908 2001 YH_{142}	4.436	0.12	1	SWF

Planet	Period	Variation	Note	Survey
241913 2002 AP_{47}	8.42	0.39	2	SWF
241994 2002 NK_{42}		1.1	I	SWF
242016 2002 PZ_{160}	529.497	0.66	2	DWF
242046 2002 RX_{139}	7.75605	0.22	2	DWF
242070 2002 TP_{130}	3.64	0.30	2	SWF
242072 2002 TM_{136}	9.062	0.31	2	SWF
242076 2002 TG_{179}	12.337	0.40	2	SWF
242081 2002 TG_{212}	56.8973	0.23	2	DWF
242091 2002 TW_{298}	6.981	0.67	2	SWF
242135 2003 AQ_{4}	3.309	0.09	1	SWF
242147 2003 BH_{84}	46.32	0.54	2+	
242164 2003 FF_{98}	5.237	0.60	2	SWF
242171 2003 GG_{51}	6.785	0.49	1 NA	
242191 2003 NZ_{6}	13.531	1.19−1.5	3 T0	
242278 2003 UN_{82}	6.08411	0.62	2	DWF
242338 2003 YS_{114}			HN	DWF
242365 2004 CM_{27}	9.941	0.45−0.52	2	SWF
242366 2004 CP_{29}	4.07	0.45	2	SWF
242395 2004 FU_{43}	7.68	0.84	2	SWF
242446 2004 PK_{96}	5.119	0.47	2	SWF
242583 2005 GA_{133}	>1.00	>0.14		SWF
242599 2005 JG_{45}	8.42	1.0	1	SWF
242602 2005 JA_{58}	8.600	1.00	3− H	DWF
242614 2005 JY_{112}	3.33	0.40	2	SWF
242643 2005 NZ_{6}	>10.	>0.6	2	
242674 2005 SO_{146}	7.04	0.80	2	SWF
242708 2005 UK_{1}	63.8	0.95	2−	
242748 2005 VT_{68}			HN	DWF
242757 2005 WX_{70}	4.384	0.32	2	SWF
242792 2006 AM_{46}	43.285	0.20	2	DWF
242812 2006 BN_{149}	6.144	0.55	2	SWF
242841 2006 DO_{109}	>3.72	>0.52		SWF
242843 2006 DO_{205}	>3.72	>0.29		SWF
242846 2006 EE_{39}	3.50	0.29	2	SWF
242864 2006 GJ_{50}	126.32	1.18	2	SWF
242897 2006 KH_{73}	30.97	0.64	2	SWF
242912 2006 MM_{11}	S 11.91368		2 p N	LCI-W
242916 2006 OS_{2}	4.717	0.10	1	SWF
242944 2006 RP_{32}	94.	0.2	1	SWF
242995 2006 TS_{8}	10.43	0.33	2	SWF
243005 2006 UC_{9}	>1.9	>0.23		SWF
243025*2006 UM_{216}	31.73	1.3	2 T	
243029 2006 UF_{261}	S 8.48089		2 p N	LCI-W
243074 2007 HE_{9}	>3.27	>0.24		SWF
243124 2007 RT_{239}	2.86112	0.33	2	DWF
243130 2007 RQ_{279}	7.35711	0.55	2	DWF
243131 2007 RA_{282}	96.231	0.25	2	DWF
243137 2007 RL_{310}	53.6469	0.19	2	DWF
243147 2007 TX_{18}	13.538	0.42	2	SWF
243200 2007 TC_{447}	6.36	0.72	2	SWF
243251 2007 VY_{315}	>1.43	>0.46		SWF
243263 2007 YB_{49}	54.5222	0.26	2	DWF
243271 2008 BV_{6}	31.37	1.20	2	SWF
243291 2008 DK_{47}	>3.72	>0.13		SWF
243292 2008 DS_{70}			HN	DWF
243369 2008 WC_{102}	7.120	0.89	2	SWF
243370 2008 WA_{112}	S 19.3603		2 p N	LCI-W
243378 2008 XT_{43}	49.9203	0.30	2	DWF
243412 2009 BT_{98}			HN	DWF
243566*1995 SA	2.313	0.16−0.21	3−	
243607 1998 WJ_{42}	1.52	0.57	2	SWF
243633 1999 RL_{239}	5.034	0.56	2	SWF
243665 1999 VZ_{80}	6.831	0.74	2	SWF
243686 1999 XD_{138}	15.552	0.40	2	SWF
243738 2000 PP_{6}	6.69538	0.17	2	DWF
243743 2000 QL_{62}	3.489	0.10	1	SWF
243766 2000 RS_{26}	6.339	0.76	2	SWF
243898 2001 BD_{56}	>5.40	>0.46		SWF
243934 2001 OQ_{106}	4.875	0.61	2	SWF
244075 2001 TQ_{200}	6.807	0.59	2	SWF
244121 2001 VX_{35}	16.1085	0.22	2	DWF
244134 2001 VE_{100}	6.25627	0.17	2	DWF
244207 2002 AW_{7}	181.289	0.25	2	DWF
244379 2002 PK_{11}	>1.33	>0.19		SWF
244398 2002 PL_{116}	3.37	0.29	2	SWF
244416 2002 QH	3.901	0.37	2	SWF
244527 2002 TT_{238}	11.179	0.73	2	SWF
244537 2002 UE_{29}	18.709	0.43	2	SWF
244614 2003 AQ_{50}	125.079	0.20	2	DWF
244618 2003 AN_{74}	12.1829	0.09	2	DWF

Planet	Period	Variation	Note	Survey
244631 2003 BA_{71}	48.972	0.08	1	SWF
244664 2003 HN_{53}	>5.43	>0.37		SWF
244670 2003 KN_{18}	20.887	1.01	3− T	
244805 2003 SQ_{273}	9.166	0.59	2	SWF
244969 2004 BA_{26}	>1.97	>0.51		SWF
244972 2004 BX_{40}			HN	DWF
244978 2004 BZ_{77}	6.44	0.57	3−	SWF
245003 2004 CR_{44}			HN	DWF
245206 2004 VT_{24}	13.2682	0.59	2	DWF
245294 2005 CL_{63}	>4.35	>0.22		SWF
245309 2005 EX_{35}	14.5174	0.27	2	DWF
245355 2005 EL_{263}	3.98	0.73	2	SWF
245408 2005 JO	4.82	0.43	2	SWF
245472 2005 NH_{41}	>4.70	>0.36		SWF
245568 2005 UR_{150}	7.602	0.76	3−	SWF
245573 2005 UH_{224}	>5.12	>0.48		SWF
245614 2005 WR_{81}	34.460	0.49	2	SWF
245672 2006 BP_{24}	7.886	0.58	2	SWF
245688 2006 BP_{131}	203.801	0.56	2	DWF
245740 2006 DK_{122}	1.27969	0.23	2	DWF
245959 2006 SY_{55}	3.223	0.38	2	SWF
245989 2006 SG_{255}	>5.42	>0.19		SWF
245993 2006 SZ_{279}	487.729	0.44	2	DWF
246030 2006 UB_{75}	7.51	0.1	1	SWF
246045 2006 UU_{198}	7.514	0.88	2	SWF
246058 2006 VT_{31}	8.296	0.08	1	SWF
246103 2007 ER_{160}	5.22	0.23	2	SWF
246104 2007 EB_{163}	5.54	0.25	2	SWF
246128 2007 LY_{18}	388.38	0.46	2	DWF
246222 2007 RL_{203}	5.70	0.78	2	SWF
246309 2007 TY_{147}	598.007	0.26	2 A	DWF
246314 2007 TV_{164}	9.96	0.81	2	SWF
246333 2007 TK_{238}	>1.93	>0.14		SWF
246358 2007 TX_{331}	2.68	0.46	2	SWF
246382 2007 UJ_{3}	361.346	0.53	2	DWF
246412 2007 UV_{125}	8.04905	0.40	2	DWF
246432 2007 VC_{89}	96.1338	0.49	2	DWF
246447 2007 VB_{190}	3.24897	0.23	2	DWF
246550 2008 SO_{47}		1.04	I	
246573 2008 TN_{112}	6.592	0.53	2	SWF
246647 2008 YO_{19}			HN	DWF
246696 2009 AN_{25}	7.06	0.72	2	SWF
246703 2009 AO_{33}	4.89	0.18	2	SWF
246866 1356 $T-2$	>1.78	>0.29		SWF
246875 1994 WR_{6}	6.91	0.33	2	
246917 1998 UR_{18}	7.834	0.32	2	SWF
246923 1998 XW_{11}	80.8991	0.10	2	DWF
246924 1999 AJ_{1}	58.865	0.47	2	SWF
246962 1999 TS_{39}	4.78035	0.24	2	DWF
246970 1999 TX_{138}	3.36	0.23	2+	SWF
246979 1999 TA_{230}	4.474	0.30	2	SWF
247028 2000 AZ_{70}	3.627	0.15	2	SWF
247043 2000 GS_{11}	8.65429	0.16	2	DWF
247081 2000 SS_{72}	4.73	0.40	2	SWF
247091 2000 SX_{177}	627.167	1.70	2	DWF
247111 2000 TZ_{63}	43.014	0.75	2	SWF
247115 2000 UY_{43}	26.519	0.69	2	SWF
247147 2000 XX_{12}	6.584	0.55	2	SWF
247164 2000 YL_{131}	S 14.2605		2 p N	LCI-W
247201 2001 OO_{109}	3.620	0.53	2	SWF
247207 2001 PO_{27}	3.697	0.06	1	SWF
247229 2001 QB_{195}	4.386	0.48	2	SWF
247259 2001 RT_{98}	6.69	0.75	2+	
247269 2001 SY_{63}	82.948	0.24	2	DWF
247281 2001 SR_{155}	184.337	0.42	2	DWF
247283 2001 SC_{187}	120.446	0.93	2	SWF
247313 2001 TP_{168}	91.623	0.10	1	SWF
247388 2001 YA_{122}	183.534	0.62	2	SWF
247405*2002 CU_{1}	12.228	0.80	3−	
247410 2002 CW_{108}	5.01766	0.33	2	DWF
247471 2002 JF_{51}	10.652	0.47	2	SWF
247483 2002 LE_{19}	5.288	0.77	2	SWF
247487 2002 LJ_{52}	20.3328	0.27	2	DWF
247504 2002 PN_{70}	6.958	0.63	2	SWF
247529 2002 QE_{121}			HN	DWF
247574 2002 TA_{18}	8.422	0.77	2	SWF
247605 2002 TP_{254}	14.0438	0.40	2	DWF
247634 2002 VM_{12}	21.703	0.42	2	SWF
247636 2002 VV_{39}	29.785	0.59	2	SWF
247651 2002 WK_{15}	111.576	0.61	2	SWF

Planet	Period	Variation	Note	Survey
247658 2002 XN_{63}	2.65	0.28	2	SWF
247663 2002 XO_{83}	35.4943	0.13	2	DWF
247760 2003 QN_{5}	5.14985	0.47	2 A	DWF
247795 2003 SX_{54}	22.126	0.33	2	SWF
247816 2003 SQ_{144}	2.559	0.07	1	SWF
247827 2003 SN_{198}	2.042	0.08	1	SWF
247868 2003 UY_{98}	21.8962	0.19	2	DWF
247929 2003 WZ_{132}	3.661	0.61	2	SWF
247954 2003 YP_{67}	144.751	0.26	2	DWF
247963 2003 YY_{136}	3.837	0.35	2	SWF
247969 2004 AG_{17}		1.03	I	
248002 2004 EC_{16}	>5.33	>0.16		SWF
248071 2004 PA_{45}	14.122	0.69	2	SWF
248073 2004 PT_{48}	11.667	0.52	2	SWF
248083 2004 QU_{24}	4.66	0.12	2−	
248096 2004 RJ_{73}	>2.75	>0.23		SWF
248098 2004 RG_{85}	167.804	0.61	2	SWF
248105 2004 RT_{102}	41.868	0.35	2	SWF
248138 2004 SA_{53}	6.344	0.71	2	SWF
248140 2004 SJ_{62}	18.968	0.57	2	SWF
248220 2005 EK_{177}	8.8	0.19	1	SWF
248227 2005 ES_{207}	5.88	0.37−0.39	2	SWF
248328 2005 QL_{18}	>1.05	>0.66		SWF
248402 2005 SC_{97}	>1.97	>0.26		SWF
248424 2005 SW_{220}	38.679	0.37	2	SWF
248428 2005 SK_{269}	S 4.171044		2 p N	LCI-W
248489 2005 UA_{295}	3.33	0.36	2	SWF
248503 2005 UN_{480}	142.740	0.90	2	SWF
248544 2005 XJ_{24}	27.098	0.63	2	SWF
248556 2005 YU_{95}	82.8195	0.24	2	DWF
248705 2006 MY_{14}	23.236	0.08	1	SWF
248784 2006 SF_{46}	13.7279	0.19	2	DWF
248801 2006 SJ_{122}	4.67	0.34	1+	SWF
248807 2006 SC_{148}	3.254	0.12	2−	SWF
248818*2006 SZ_{217}	3.59	0.09−0.14	2−	
248824 2006 SA_{281}	5.537	0.70	3	
248896 2006 UE_{270}	8.50	0.55	2	SWF
248902 2006 UC_{347}	2.39495	0.20	2	DWF
248916 2006 VF_{90}	28.3356	0.17	2	DWF
248926 2006 WZ_{2}	8.45	0.23	3−	
248964 2006 YA_{16}	10.818	0.65	2	SWF
248981 2007 EB_{14}	6.218	0.36	2	SWF
248991 2007 FL_{22}	>2.75	>0.47		SWF
249103 2007 VO_{244}	4.218	0.29	2	SWF
249177 2008 CT_{63}	7.272	0.48	2	SWF
249215 2008 EO_{19}	>1.00	>0.12		SWF
249218 2008 EO_{86}	23.5659	0.15	2	DWF
249249 2008 RA_{106}	0.9	0.9	2− N	
249307 2008 UE_{77}	S 15.9268		2 p N	LCI-W
249373 2009 BY_{1}	50.9989	0.21	2	DWF
249387 2009 BN_{76}	4.742	0.69	2	SWF
249416 2009 DN_{69}		0.9	I	
249460 2009 HZ_{84}	3.50	0.28	3−	SWF
249494 2009 VV_{44}	5.90548	0.64	2	DWF
249502 2009 YL_{16}	16.4256	0.17	2	DWF
249513 2010 CD_{41}	>4.17	>0.32		SWF
249549 2010 JU_{33}	17.02	0.34	2	SWF
249579 1995 SC_{27}	9.36958	0.17	2	DWF
249590 1996 UG_{2}	4.45	0.23	2	
249595 1997 GH_{28}	19.696	1.20	3	
249606 1999 RV_{93}	15.687	0.82	2	SWF
249610 1999 RJ_{176}	3.587	0.07	1	SWF
249642 1999 TU_{188}	>1.35	>0.12		SWF
249657 1999 UF_{45}	4.871	0.28	2	SWF
249660 1999 VK_{16}	32.43	0.72	2	SWF
249684 1999 XN_{256}	11.810	0.77	2	SWF
249699 2000 EM_{143}	7.507	0.51	2	SWF
249738 2000 SB_{159}	41.2	0.11	1+	
249755 2000 SJ_{350}	16.498	0.39−0.50	2	SWF
249756 2000 SD_{362}	3.78	0.24	2	SWF
249801 2000 YS_{93}	S 11.44319		2 p N	LCI-W
249815 2001 FW_{4}	30.104	0.35	2	DWF
249838 2001 OR_{104}	670.775	0.69	2	SWF
249849 2001 QA_{11}	4.751	0.65	2	SWF
249857 2001 QL_{104}	29.309	0.53	2	SWF
249866 2001 QM_{165}	3.798	0.18	2	SWF
249884 2001 QV_{286}	4.673	0.40	2	SWF
249889 2001 RS_{43}	21.030	0.56	2	SWF
249909 2001 SC_{152}	4.663	0.56	2	SWF
249958 2001 UE_{26}	6.816	0.31	2	SWF

Planet	Period	Variation	Note	Survey
250025 2002 CE_{19}	>4.35	>0.21		SWF
250071 2002 EO_{89}	5.22	0.27	2	SWF
250112 2002 KY_{14}	3.56	0.13	2− 1A	
250139*2002 RK_{68}	8.44	0.74−0.84	3−	
250152 2002 SQ_{13}	25.4532	0.29	2 1	DWF
250162 2002 TY_{57}	2.5001	0.09	3 BN	
250163 2002 TM_{67}	7.70142	0.35	2	DWF
250171 2002 TH_{133}	6.302	0.99	2	SWF
250185 2002 TH_{291}	9.67289	0.47	2	DWF
250203 2002 UN_{65}	4.466	0.70	2−	SWF
250235 2002 XQ_{73}	39.783	0.77	2	SWF
250239 2002 XX_{79}	40.8396	0.30	2	DWF
250247 2003 AA_{38}	126.702	0.95	2	DWF
250248 2003 AY_{45}	S 8.26198		2 p N	LCI-W
250263 2003 CR_{5}	55.7555	0.18	2	DWF
250336 2003 SC_{119}	15.940		2−	SWF
250365 2003 SJ_{307}	5.35	0.47	2−	
250374 Jírovec	>5.42	>0.28		SWF
250458 2004 BO_{41}	16.19	0.85	2	
250484 2004 ED_{31}	17.398	0.72	2	SWF
250494 2004 FW_{30}	47.6398	0.51	2	DWF
250514 2004 NA_{4}	>1.50	>0.24		SWF
250523 2004 PV_{33}	10.762	0.31	2	SWF
250527 2004 PH_{49}	3.59	0.27	2	SWF
250531 2004 PG_{92}	5.139	0.09	1	SWF
250533 2004 PU_{111}	2.58	0.70	2+	SWF
250545 2004 RY_{59}	>0.88	>0.20		SWF
250567 2004 TH_{78}	9.252	0.51	2	SWF
250582 2005 AY_{35}	150.67	0.39	2	DWF
250591 2005 CN_{68}	>3.82	>0.24		SWF
250611 2005 ED_{280}	33.4199	0.23	2	DWF
250618 2005 GR_{30}	66.094	0.88	2	SWF
250620 2005 GE_{59}	5.354	0.11	2	
250629 2005 GX_{169}	45.	0.3	1	SWF
250631 2005 HE_{5}	8.106	0.58	2	SWF
250637 2005 JL_{47}	6.473	0.37	2	SWF
250648 2005 JF_{148}	5.95	0.73	2 H	DWF
250685 2005 QC_{40}	3.611	0.65	2	SWF
250697 2005 QY_{151}	>11.0	>0.05	2−	
250706*2005 RR_{6}	>7.	>0.2		
250719 Jurajbardy	6.8	0.82	1+	
250722*2005 SN_{29}	7.301	0.38−0.53	2	SWF
250732 2005 SO_{65}	>4.25	>0.31		SWF
250789 2005 TT_{77}	>1.97	>0.14		SWF
250801 2005 UD_{2}	>1.97	>0.09		SWF
250802 2005 UD_{14}	>1.78	>0.26		SWF
250806 2005 UG_{30}	8.938	0.70	2	SWF
250809 2005 UB_{41}	3.24	0.19	2	SWF
250815 2005 UB_{58}	10.249	0.49	2	SWF
250830 2005 UZ_{90}	3.902	0.60	2	SWF
250843 2005 UL_{175}	S 6.61973		2 p N	LCI-W
250898 2005 VL_{82}	6.252	0.80	2	SWF
250910 2005 WC_{4}	9.023	0.43	2	SWF
250929 2005 WK_{117}	14.630	0.42	2	SWF
250968 2006 GM_{26}	10.687	0.30	2	SWF
251003 2006 PB	18.666	0.59	2	SWF
251051 2006 RZ_{59}	2.920	0.12	2−	SWF
251064 2006 SK_{23}	7.790	0.09	1	SWF
251079 2006 SC_{81}	80.	0.6	1+	SWF
251226 2006 UL_{229}	3.4238	0.24	2	DWF
251228 2006 UH_{241}	15.509	0.26	2	SWF
251259 2006 VO_{109}	65.1876	0.30	2	DWF
251261 2006 VG_{124}	>3.72	>0.48		SWF
251268 2006 WL_{15}	6.456	0.36	2	SWF
251271 2006 WX_{32}	14.022	0.67	2	SWF
251275 2006 WL_{53}	3.5187	0.32	2	DWF
251313 2006 YY_{38}	12.159	0.54	2	SWF
251314 2006 YE_{52}	3.58634	0.25	2	DWF
251338 2007 EM_{181}		1.1	I	
251346 2007 SJ	2.718	0.10−0.37	3	
251374 2007 VC_{15}	>5.48	>0.23		SWF
251492 2008 ET_{36}	6.419	0.28	2	SWF
251512 2008 FK_{58}	>5.18	>0.31		SWF
251517 2008 FZ_{117}	5.58	0.63	2	SWF
251525 2008 GX_{60}			HN	DWF
251547 2009 BA_{150}	>5.42	>0.34		SWF
251695 1995 WC_{33}	5.71	0.95	2−	SWF
251696 1995 YU_{6}	5.624	0.29	2	SWF
251718 1997 SV_{18}	4.443	0.95	2	SWF
251738 1998 QU_{87}	49.856	0.36	2	SWF

Planet	Period	Variation	Note	Survey
251745 1998 WK_{36}	>5.42	>0.12		SWF
251795 1999 TU_{2}	4.904	0.52	2	SWF
251885 1999 VT_{79}	2.26963	0.37	2 1	DWF
251890 1999 VE_{96}	>5.35	>0.18		SWF
251932 1999 VW_{210}	8.904	0.79	2	SWF
251971 2000 AN_{150}	19.5306	0.31	2	DWF
252071 2000 SM_{208}	6.221	0.79	2	SWF
252079 2000 SY_{306}	376.026	0.74	2	SWF
252080 2000 SF_{338}	2.74	0.95	3−	SWF
252091 2000 UP_{30}	5.44	0.22−0.43	2	
252125 2000 WK_{147}	69.381	0.61	2	SWF
252216 2001 KH	6.425	0.38	2	SWF
252229 2001 OK_{75}	121.842	0.27	2	DWF
252230 2001 OB_{113}	4.88057	0.34	2	DWF
252241 2001 PD_{65}	61.0715	0.52	2	DWF
252249 2001 QU_{103}	303.065	0.57	2	DWF
252253 2001 QX_{125}	S 14.1006		2 p N	LCI-W
252309 2001 RC_{90}	10.064	0.27	2	SWF
252337 2001 SN_{114}	5.747	0.26	2	SWF
252352 2001 SM_{162}	19.032	0.74	2	SWF
252364 2001 SX_{230}			HN	DWF
252370 2001 SD_{256}	2.77	0.59	2	SWF
252383 2001 SX_{324}	7.243	0.47	2	SWF
252389 2001 TT	6.29256	0.67	2 A	DWF
252427 2001 TR_{137}	3.339	0.24	2	SWF
252444 2001 TB_{192}	36.851	0.55	2	SWF
252461 2001 TS_{233}	353.871	0.48	2	SWF
252474 2001 UH_{23}	6.693	0.48	2	SWF
252489 2001 US_{84}	44.583	0.34	2	SWF
252511 2001 UR_{179}	55.1415	0.44	2	DWF
252535 2001 VV_{31}	58.346	0.67	2	SWF
252541 2001 VE_{60}	5.242	0.71	2	SWF
252548 2001 VC_{72}	80.5464	0.62	2	DWF
252591 2001 XO_{1}	3.2	0.30	1+	
252600 2001 XA_{44}	22.58	1.81	1 DA	SWF
252602 2001 XD_{48}	7.01	0.70	2	SWF
252636 2001 XA_{220}	12.197	0.73	2	SWF
252656 2001 YD_{110}	32.872	0.46	2	SWF
252658 2001 YR_{118}	73.7787	0.24	2	DWF
252660 2001 YA_{128}	23.394	0.76	2	SWF
252673 2002 AZ_{58}	273.919	0.56	2	DWF
252702 2002 CB_{91}	>48.	>0.6	2	
252724 2002 CN_{228}	7.01	0.11	2	
252767 2002 EN_{81}	>4.35	>0.17		SWF
252793 2002 FW_{5}	61.2	0.33	2 B?	
252965 2002 PA_{139}	31.408	0.62	2	SWF
252966 2002 PJ_{139}	12.397	1.14	2	SWF
252968 2002 PM_{155}	3.281	0.2	1	SWF
253061 2002 TV_{69}	10.6683	0.32	2	DWF
253062 2002 TC_{70}	17.0	0.15	1	
253066 2002 TJ_{85}	10.1799	0.26	2 1	DWF
253074 2002 TK_{139}	6.142	0.75	3	SWF
253083 2002 TH_{212}	2.63528	0.18	2	DWF
253093 2002 TY_{263}	60.8063	0.48	2	DWF
253106 2002 UR_{3}	180.	0.05−0.36	2 T?	
253123 2002 VG_{9}	5.653	0.67	2	SWF
253127 2002 VA_{14}	6.750	0.73	2	SWF
253134 2002 VC_{30}	55.079	0.49	2	SWF
253139 2002 VU_{47}	27.9986	0.15	2	DWF
253152 2002 VF_{84}	4.17831	0.15	2	DWF
253153 2002 VM_{94}	206.725	0.18	2 1	DWF
253167 2002 WY_{15}	2.89509	0.12	2 A	DWF
253197 2002 XN_{57}	58.2969	0.31	2	DWF
253198 2002 XO_{60}	114.457	0.67	2	SWF
253220 2002 YC_{2}	7.946	0.55	2	SWF
253228 2002 YZ_{16}	78.837	0.39	2	SWF
253348 2003 FP_{71}	37.	0.45	2−	
253384 2003 KQ_{3}	1.47	0.45	1	SWF
253390 2003 KL_{32}	>2.02	>0.21		SWF
253424 2003 QR_{49}	5.157	0.65	2	SWF
253475 2003 SJ_{55}	2.181	0.78	2	SWF
253493 2003 SG_{95}	5.878	0.81	2 A	SWF
253513 2003 SE_{152}	5.718	0.78	2	SWF
253516 2003 SH_{160}	9.969	0.36	2	SWF
253526 2003 SP_{188}	8.783	0.51	2	SWF
253531 2003 SQ_{198}	10.158	0.82	2	SWF
253539 2003 SX_{223}	56.998	0.86	2	SWF
253543 2003 SS_{233}	5.907		2−	SWF
253617 2003 UC_{63}	13.733		2−	SWF
253679 2003 UY_{223}	4.519	0.54	2	SWF

Planet	Period	Variation	Note	Survey
253688 2003 UO_{238}	257.103	0.24	2	DWF
253709 2003 UU_{316}	>5.48	>0.18		SWF
253724 2003 WC_{8}	>5.42	>0.10		SWF
253725 2003 WC_{9}	6.497	0.72	2	SWF
253734 2003 WF_{30}	6.182	0.47	2	SWF
253827 2003 YQ_{74}	43.856	0.10	1	SWF
253841 2003 YG_{118}	2.27	0.11	2−	
253879 2004 BO_{31}	4.553	0.28	2	SWF
253904 2004 BL_{144}	5.234	0.57	2	SWF
254022 2004 FZ_{93}	127.866	0.16	2	DWF
254030 2004 FD_{131}	63.9442	0.31	2	DWF
254045 2004 GB_{28}	9.8638	0.15	2	DWF
254054 2004 GT_{51}	7.69122	0.18	2	DWF
254070 2004 HK_{42}	11.84	0.22	1+	
254107 2004 LA_{22}	42.847	0.68	2	SWF
254143 2004 PN_{61}	>1.35	>0.44		SWF
254168 2004 QM_{10}	6.702	0.58	2	SWF
254201 2004 RB_{66}	>4.35	>0.45		SWF
254214 2004 RU_{91}	78.974	0.54	2	SWF
254221 2004 RP_{94}	>1.97	>0.30		SWF
254245 2004 RY_{147}	10.978	0.45	2	SWF
254337 2004 SV_{42}	6.272	0.74	2	SWF
254396 2004 TB_{230}	3.202	0.29	2	SWF
254442 2005 AZ_{61}	4.861	0.71	2	SWF
254451 2005 CL_{1}	54.058	0.51	2	SWF
254486 2005 EO_{26}	3.910	0.23	2	SWF
254526 2005 EK_{119}	2.21	0.17	2	SWF
254637 2005 JX_{93}	19.714	0.37	2	SWF
254667 2005 LC_{6}	5.59875	0.51	2	DWF
254679 2005 LU_{50}	71.	0.8	2	
254687 2005 MS_{16}	5.267	0.38	2	SWF
254705 2005 ND_{3}	22.2356	0.17	2	DWF
254775 2005 QZ_{41}	6.078	0.59	2	SWF
254776 2005 QD_{43}	10.576	0.51	2	SWF
255009 2005 TV_{25}	>1.33	>0.09		SWF
255093 2005 UW_{48}	3.158	0.41	2	SWF
255094 2005 UM_{49}	8.185	0.45	2	SWF
255129 2005 UC_{130}	6.4083	0.20	1 NA	
255214 2005 UQ_{354}	8.907	0.87	2	SWF
255376 2005 WW_{117}	9.130	0.79	2	SWF
255425 2005 XO_{71}	>1.33	>0.13		SWF
255456 2005 YW_{52}	18.6929	0.34	2	DWF
255487 2006 AT_{4}	4.116	0.47	2	SWF
255623 2006 PV_{25}	59.226	0.52	2	SWF
255649 2006 QO_{19}	6.04	0.53	2	SWF
255668 2006 QC_{36}	7.634	0.51	2	SWF
255746 2006 RC_{6}	9.96	0.20	1	SWF
255755 2006 RX_{27}	5.844	0.57	2	SWF
255761 2006 RM_{42}	9.25	0.22	1	SWF
255767 2006 RB_{57}	19.16	0.20	1	SWF
255787 2006 RF_{100}	4.658	0.37	2	SWF
255828 2006 SC_{86}	1.73	0.15	1+	SWF
255906 2006 SY_{325}	272.797	0.33	2 1	DWF
255977 2006 TC_{64}	6.49351	0.34	2	DWF
256033 2006 UJ_{47}	0.64190	0.08	1	SWF
256085 2006 UK_{207}	3.716	0.04	1	SWF
256114 2006 UD_{291}	7.059	0.67	2	SWF
256138 2006 VQ_{15}	6.15	0.62	2	SWF
256150*2006 VE_{34}	6.578	0.35−0.77	2	SWF
256165 2006 VW_{54}	4.10	1.11	1+	SWF
256179 2006 VY_{69}	15.748	0.27	2	DWF
256207 2006 VD_{103}	6.933	0.71	2	SWF
256218 2006 VN_{123}	95.9958	0.49	2	DWF
256248 2006 WD_{27}	19.148	0.70	2	SWF
256284 2006 WJ_{115}	13.710	0.72	2	SWF
256286 2006 WC_{116}	4.68	0.18	2	SWF
256308 2006 WO_{185}	4.48054	0.16	2	DWF
256340 2006 XP_{30}	6.29	0.56	2	SWF
256355 2006 XW_{55}	7.119	0.18	2	DWF
256357 2006 XH_{57}	325.068	0.74	2	SWF
256385 2006 YS_{37}	2.58	0.84	2	SWF
256411 2007 AC_{28}	>3.72	>0.66		SWF
256412 2007 BT_{2}	>20.	>0.6	N	
256448 2007 CR_{41}	6.962	0.59	2	SWF
256475 2007 DF_{57}	>3.72	>0.33		SWF
256517 2007 ER_{172}	>2.75	>0.27		SWF
256575 2007 TP_{128}	>4.83	>0.20		SWF
256635 2007 VA_{282}	4.950	0.64	2	SWF
256700 2008 AG_{3}	5.1	0.45	2	
256787 2008 CK_{23}	15.811	0.80	2	SWF

Planet	Period	Variation	Note		Survey
256848 2008 CD_{176}	86.9364	0.59	2		DWF
256863 2008 CT_{215}	3.47494	0.23	2		DWF
257003 2008 ED_{151}	5.19	0.84	3−		SWF
257043 2008 FH_{67}	>1.33	>0.17			SWF
257168 2008 HA_{69}	5.578	0.54	2		SWF
257183 2008 JP_{39}	4.555	0.60	2		SWF
257229 2009 DS_{61}	14.1438	0.79	2		DWF
257231 2009 DW_{71}	84.5457	0.41	2		DWF
257325 2009 HN_{99}	4.62	0.38	2+		SWF
257370 2009 OR_{24}	11.302	0.71	2		SWF
257404 2009 SF_{315}	6.98	0.60	3−		
257405 2009 SG_{330}	6.876	0.22	2+		
257422 2010 FR_{47}	>1.97	>0.23			SWF
257432 2010 MX_{112}	58.5372	0.15	2		DWF
257463*1992 WW_{6}	6.3660	0.58−0.75	2		
257522 1997 RH_{9}	7.90462	0.16	2	1	DWF
257555 1998 SM_{104}	5.455	0.39	2		SWF
257556 1998 SF_{174}				HN	DWF
257581 1999 FE_{8}	23.2605	0.25	2		DWF
257631 1999 TK_{175}	13.170	0.49	2		SWF
257689 1999 VQ_{197}	5.091	0.78	2		SWF
257690 1999 VY_{205}	>5.40	>0.33			SWF
257713 1999 XL_{138}	6.939	0.64	2		SWF
257729 1999 XC_{259}	>5.35	>0.18			SWF
257744 2000 AD_{205}	5.80	0.29	2+		
257800 2000 EO_{35}	4.116	0.51	2		SWF
257803 2000 EC_{75}	6.483	0.30	2		SWF
257838 2000 JQ_{66}	11.094	0.49−0.63	3		
258000 2001 EQ_{16}	60.0318	0.21	2		DWF
258039 2001 KF_{41}	4.580	0.55	2		SWF
258041 2001 KJ_{70}	113.543	0.22	2		DWF
258045 2001 MK_{12}	5.31293	0.44	2		DWF
258097 2001 QT_{149}	4.08198	0.46	2		DWF
258102 2001 QO_{170}	9.26122	0.16	2		DWF
258156 2001 SA_{59}	14.957	0.26	2		DWF
258181 2001 SQ_{178}	64.4214	0.34	2		DWF
258207 2001 SJ_{332}	7.94	0.90	1	DA	SWF
258283 2001 UC_{37}	21.9366	0.16	2		DWF
258309 2001 UM_{171}	9.90	0.70	1	DA	SWF
258315 2001 UC_{193}	33.1709	0.21	2		DWF
258341 2001 VK_{90}	17.136	0.14	2		DWF
258371 2001 XS	14.7445	0.14	2		DWF
258372 2001 XH_{3}	2.01728	0.19	2	1	DWF
258379 2001 XR_{34}	4.09	0.37	2		SWF
258398 2001 XR_{104}	>5.48	>0.34			SWF
258439 2001 XF_{231}	6.98	0.60	1	DA	SWF
258476 2002 AN_{13}	247.043	0.75	2		SWF
258477 2002 AC_{17}	4.30094	0.23	2		DWF
258597 2002 CJ_{204}	11.40	0.32	2−		
258643 2002 EL_{40}	4.850	0.79	2		SWF
258666 2002 EM_{102}	55.5437	0.47	2		DWF
258694 2002 GM_{3}	362.319	0.49	2		DWF
258798 2002 LX_{8}	18.12	0.32	1+	DA	SWF
258817 2002 NY_{57}	113.776	0.60	2		SWF
259044 2002 TL_{292}	9.535		2−		SWF
259083 2002 VS_{31}	7.22	0.65	1+	DA	SWF
259092 2002 VX_{102}	6.925	0.25	2		SWF
259110 2002 WT_{18}	5.52	0.71	2		SWF
259120 2002 XM_{26}	20.498	0.84	2		SWF
259123 2002 XH_{30}	7.30253	0.47	2		DWF
259124 2002 XW_{31}	38.	0.5	1+		SWF
259168 2002 YS_{34}	21.1739	0.32	2	1	DWF
259170 2002 YQ_{36}	5.34609	0.54	2		DWF
259185 2003 AW_{22}	69.2395	0.39	2		DWF
259187 2003 AZ_{27}	5.17409	0.17	2	A	DWF
259221 2003 BA_{21}	9.09	0.15	2	A	
259297 2003 EF_{45}	19.8722	0.43	2		DWF
259384 2003 JX_{10}	>1.03	>0.26			SWF
259426 2003 SK				HN	DWF
259485 2003 SS_{215}				HN	DWF
259487 2003 SZ_{221}	>2.75	>0.35			SWF
259488 2003 SK_{224}	5.719	0.60	2		SWF
259489 2003 ST_{227}	2.852	0.42	2		SWF
259502 2003 SL_{284}	7.343	0.57	2		SWF
259548 2003 UZ_{121}	126.206	0.35	2		DWF
259585*2003 UG_{220}	2.8461	0.13	2		
259650 2003 WH_{103}	3.6	0.13	2−		
259709 2003 YP_{47}	9.859	0.63	2		SWF
259753 2004 AY	6.745	0.60	2		SWF
259774 2004 BU_{22}	6.50	0.18	1		SWF

Planet	Period	Variation	Note		Survey
259791 2004 BD_{59}	7.088	0.40	2		SWF
259805 2004 BW_{95}	5.791	0.12	1		SWF
259833 2004 CZ_{26}	>1.78	>0.16			SWF
259838 2004 CC_{42}				HN	DWF
259868 2004 CM_{114}	6.122	0.74	2		SWF
259969 2004 FQ_{28}				HN	DWF
260048 2004 GB_{82}	7.385	0.34	2		SWF
260095 2004 LL_{20}	>5.37	>0.35			SWF
260099 2004 NN	62.6027	0.39	2	A	DWF
260141*2004 QT_{24}	7.660	0.75−0.77	3		
260205 2004 RK_{181}	>4.35	>0.37			SWF
260419 2004 XC_{65}	>0.90	>0.26			SWF
260523 2005 EA_{109}	468.846	0.42	2		DWF
260552 2005 ED_{188}	>5.35	>0.45			SWF
260564 2005 EH_{220}	5.49	0.58	2−		SWF
260605 2005 GS_{15}				HN	DWF
260618 2005 GU_{45}				HN	DWF
260691 2005 JP_{98}	2.47	0.27	2−		SWF
260701 2005 JV_{120}	9.24	0.95	3		
260766 2005 MZ_{48}	7.72723	0.24	2		DWF
260804 2005 NU_{122}	3.07167	0.24	2		DWF
260873 2005 QV_{112}	6.76	0.83	2		SWF
260952 2005 SQ_{28}	5.58	0.81	2		SWF
260970 2005 SL_{55}	>1.9	>0.92			SWF
261150 2005 TN_{79}	>1.15	>0.11			SWF
261259 2005 UK_{88}	15.79	0.20	2		SWF
261283 2005 UV_{145}	6.11	0.32	2		SWF
261299 2005 UK_{181}	2.960	0.52	2		SWF
261345 2005 UB_{275}	7.1	0.7	2		
261603 2005 XX_{67}	39.5749	0.44	2		DWF
261622 2005 YP_{22}	11.9673	0.34	2		DWF
261654 2005 YH_{99}	8.924	0.56	2		SWF
261865 2006 FF_{10}	>0.90	>0.17			SWF
261987 2006 QR_{29}	4.836	0.18	2		SWF
261996 2006 QB_{43}	3.03	0.69	2−		SWF
262064 2006 RD_{42}	5.241	0.28	2−		SWF
262104 2006 RD_{101}	2.341	0.18	2−		SWF
262309 2006 TZ_{12}	6.76155	0.29	2		DWF
262343 2006 TY_{54}	8.183	0.71	2		SWF
262418 Samofalov	5.887	0.71	2		SWF
262476 2006 UM_{175}				HN	DWF
262579 2006 VH_{68}	2.37857	0.18	2		DWF
262590 2006 VH_{98}	176.832	0.29	2		DWF
262623 2006 WY_{2}	16.3	0.14	2	A	
262903 2007 CC_{46}	10.32	0.57	1	DD	SWF
262906 2007 CT_{46}	4.03	0.96	2		SWF
262914 2007 CW_{54}	5.38	1.07	2		SWF
263088 2007 TL_{11}	>5.40	>0.56			SWF
263095 2007 TR_{136}	65.3225	0.63	2		DWF
263160 2007 VD_{303}	13.3217	0.25	2	1	DWF
263198 2007 YX_{60}	6.44	0.60	2		SWF
263289 2008 BP_{47}	>5.28	>0.33			SWF
263336 2008 CC_{83}	4.32	0.29	2		SWF
263394 2008 DY_{6}	8.141	0.65	2		SWF
263626 2008 GS_{42}	7.254	0.55	2		SWF
263670 2008 GQ_{114}	5.03	2.11	2+		SWF
263754 2008 JS_{34}	5.11	0.75	1+		SWF
263791 2008 QY_{3}	>5.40	>0.44			SWF
263793 2008 QE_{37}	10.47	0.72	2		SWF
263809 2008 RU_{55}	6.5	0.17	2−		
263975 2009 KY_{2}	7.166	0.25	2		SWF
263976 2009 KD_{5}	2.664	0.15	2+		
264068 2009 SQ_{148}	9.69	0.65	2−		
264080 2009 SN_{234}	3.30585	0.29	2		DWF
264157 2009 YM	13.588	0.62	2		SWF
264331 1999 UG_{47}	5.85	0.61	2		SWF
264414 2000 OW_{2}	8.789	0.25	2		SWF
264421 2000 QF_{204}	5.822	0.59	2		SWF
264449 2000 UB_{17}	>0.97	>0.36			SWF
264482 2001 OZ_{30}	>5.15	>0.21			SWF
264549 2001 SP_{204}	4.78	1.03	3−		SWF
264566 2001 TG_{32}	12.15	1.4	2−		SWF
264626 2001 VA_{97}	155.838	0.22	2	1	DWF
264630 2001 WD_{37}	3.10552	0.26	2	1	DWF
264639 2001 WB_{73}	>5.42	>0.38			SWF
264656 2001 XO_{97}	145.507	0.33	2		DWF
264667 2001 XL_{147}	53.4495	0.14	2	A	DWF
264700 2002 AB_{120}	4.825	0.61	2		SWF
264705 2002 AK_{135}	48.7912	0.28	2		DWF
264835 2002 QD_{36}	7.137	0.45	2		SWF

Planet	Period	Variation	Note		Survey	Planet	Period	Variation	Note		Survey
264853 2002 RA_{55}	9.737	0.69	2		SWF	267799 2003 SZ_{275}	507.912	0.84	2		DWF
264901 2002 TY_{86}				HN	DWF	267884 2003 YH_{69}				HN	DWF
264935 2002 VW_{40}	7.750	0.50	2		SWF	267940*2004 EM_{20}	2.419	0.06	1+		
264941 2002 VV_{93}	>4.37	>0.38			SWF	267951 2004 EA_{84}				HN	DWF
264949 2002 WR_{7}	239.406	0.24	2		DWF	267976 2004 FT_{125}	3.35	0.45	2		SWF
264975 2003 BF_{39}	7.22	0.50	2+		SWF	267981 2004 GF_{4}				HN	DWF
264976 2003 BW_{42}	12.2899	0.41	2		DWF	267987 2004 GU_{56}				HN	DWF
264986 2003 CK_{11}	6.444	0.65	2		SWF	267989 2004 GX_{60}	5.50	0.68	2		SWF
265039 2003 PM_{1}	4.95	0.46	1+		SWF	268010 2004 KH_{4}				HN	DWF
265125 2003 UT_{134}	68.612	0.89	2		SWF	268015 2004 NR_{7}	55.580	0.91	2		SWF
265148 2003 VD_{8}	>4.35	>0.22			SWF	268021 2004 NU_{24}	6.561	0.68	2		SWF
265164 2003 WD_{134}	5.952	0.46	2		SWF	268023 2004 NA_{28}	4.948	0.51	2		SWF
265170 2003 WJ_{147}				HN	DWF	268045 2004 QZ_{9}	35.8672	0.37	2		DWF
265176 2003 YV_{8}	9.967	0.25	2		SWF	268239 2005 GT_{107}	>1.90	>0.68			SWF
265178 2003 YZ_{18}	3.139	0.61	2		SWF	268265 2005 OF_{5}	7.06	0.69	2		SWF
265196 2004 BW_{58}	6.479	1.22	3			268326 2005 SE_{26}	6.18	0.99	2		SWF
265207 2004 BR_{109}	3.90	0.35	2		SWF	268330 2005 SX_{87}	>4.95	>0.29			SWF
265287 2004 FR_{145}	604.56	0.62	2		DWF	268408 2005 UO_{283}	>4.95	>0.42			SWF
265315 2004 NM	19.9982	0.25	2		DWF	268472 2005 XK_{31}	>5.15	>0.27			SWF
265325 2004 NS_{24}	9.583	0.24	2		SWF	268611 2006 CY_{30}	1.46	0.55	2−		SWF
265482*2005 EE	2.6534	0.22	1+			268623 2006 DT_{22}	7.015	0.68	2		SWF
265542 2005 OM_{2}	14.049	0.66	2		SWF	268867 2006 YL_{38}				HN	DWF
265543 2005 OM_{3}	7.956	0.07	1		SWF	268896 2007 BS_{41}				HN	DWF
265546 2005 OR_{10}	78.3121	0.38	2		DWF	268902 2007 BH_{58}				HN	DWF
265550 2005 OL_{19}				HN	DWF	268906 2007 CR_{3}				HN	DWF
265607 2005 SW_{27}	244.306	0.23	2		DWF	268924 2007 CO_{51}				HN	DWF
265640 2005 TF_{25}	4.44	0.61	2		SWF	268950 2007 DJ_{51}	5.13	0.75	2−		SWF
265652 2005 TK_{121}				HN	DWF	269009 2007 EN_{137}	5.56	0.81	2		SWF
265658 2005 TZ_{176}	11.3961	0.32	2		DWF	269107 2007 JO_{3}	5.47455	0.34	2		DWF
265683 2005 UG_{79}	273.883	0.22	2		DWF	269125 2007 PF_{37}	4.895	0.68	2		SWF
265795 2005 WE_{193}	125.982	0.19	2		DWF	269134 2007 TF_{89}	>4.35	>0.25			SWF
265816 2005 XV_{64}	35.0178	0.16	2		DWF	269189 2008 GZ_{50}	4.71	0.62	2		SWF
265962 2006 CG	7.834	0.17−0.20	3−			269289 2008 SY_{18}	>5.42	>0.52			SWF
266023 2006 FG_{35}	4.387	0.49	2		SWF	269334 2008 TY_{17}	18.27	0.25	2		DWF
266128 2006 TB_{27}	>1.9	>0.27			SWF	269361 2008 UN_{323}	260.881	0.47	2		DWF
266199 2006 WH_{2}	>16.	>0.3	2−			269374 2009 AF_{17}	33.961	0.35	2		SWF
266229 2006 XC_{8}	4.386	0.70	2		SWF	269433 2009 SL_{163}				HN	DWF
266250 2006 YO_{1}	3.10	0.53	2+		SWF	269505 2009 UA_{89}	3.16	0.66	1		SWF
266267 2007 AX_{9}	5.09005	0.32	2	A	DWF	269633 2011 AJ_{44}	15.744	0.61	2		SWF
266312 2007 CY_{37}	183.546	0.53	2		SWF	269634 2011 AE_{45}	>3.72	>0.29			SWF
266398 2007 EC_{183}	6.58	0.94	2+		SWF	269640 2011 AM_{74}	2.727	0.27	2		SWF
266417 2007 FX_{43}	6.40	1.16	2+		SWF	269656 1995 CD_{5}				HN	DWF
266433 2007 GM_{75}	8.889	0.36	2		SWF	269719 1998 QH_{56}	5.112	0.39	2		SWF
266516 2008 EU_{137}	51.415	0.34	2		SWF	269720 1998 QK_{58}	>3.72	>0.32			SWF
266553 2008 GX_{32}	2.963	0.44	2		SWF	269751 1999 AC_{32}	8.698	0.36	2		SWF
266571 2008 GW_{129}				HN	DWF	269754 1999 RW_{104}	10.256	0.32	2		SWF
266607 2008 LV_{15}				HN	DWF	269763 1999 TD_{32}	3.857	0.57	2		SWF
266652 2008 TA_{30}	6.91	0.49	1		SWF	269858 2000 EB_{4}				HN	DWF
266780 2009 SB_{218}	5.125	0.09	1		SWF	269904 2000 HW_{17}	4.87	1.00	2		SWF
266796 2009 SW_{313}	2.42	0.92	1+		SWF	269915 2000 JA_{42}				HN	DWF
266931 2010 JZ_{119}	6.08	0.36	2		SWF	270033 2001 KN_{30}	3.034	0.77	2		SWF
266992 2010 XR_{43}	>350.					270064 2001 OJ_{90}	6.08	0.73	2−		SWF
267000 6229 P–L	30.295	0.59	2		SWF	270065 2001 OG_{91}	33.0101	0.28	2		DWF
267011 1994 PQ_{26}	2.457	0.08	1		SWF	270079 2001 QX_{20}	13.1208	0.59	2		DWF
267024 1995 XK_{3}	5.25	0.68	2		SWF	270140 2001 SV_{5}	6.683	0.75	2		SWF
267047 1998 RK_{40}	6.698	0.39−0.41	2		SWF	270158 2001 SP_{137}	37.896	0.61	2		SWF
267094 1999 XJ_{131}	>0.68	>0.14			SWF	270185 2001 SP_{277}	12.240	0.35	2		SWF
267129 2000 EU_{13}				HN	DWF	270213 2001 TN_{139}	8.617	0.62−0.71	2		SWF
267130 2000 ED_{23}	>1.33	>0.18			SWF	270235 2001 TC_{229}	>1.35	>0.15			SWF
267188 2000 QQ_{147}	7.29284	0.29	2		DWF	270247 2001 UG_{25}	7.914	0.55	2		SWF
267190 2000 QO_{200}	3.590	0.38	2		SWF	270248 2001 UJ_{25}	5.850	0.54	2		SWF
267218 2000 WS_{103}	4.408	0.59	2		SWF	270253 2001 UE_{36}	52.738	0.51	2		SWF
267223 2001 DQ_{8}	4.11	0.38	3−			270259 2001 UQ_{106}	8.76	0.24	2		SWF
267256 2001 QR_{44}				HN	DWF	270291 2001 VH_{106}	47.5459	0.18	2		DWF
267264 2001 QW_{230}	58.6132	0.55	2		DWF	270325 2001 XC_{104}	154.359	0.89	2		SWF
267284 2001 SP_{54}	71.76	0.15	2		DWF	270370 2001 YF_{139}	3.43	0.26	2		SWF
267317 2001 TF_{210}	2.986	0.44	2		SWF	270426 2002 CM_{71}	5.39	1.06	2		SWF
267320 2001 TV_{260}	4.27	1.23	2−		SWF	270442 2002 CD_{125}	4.63214	0.45	2	1	DWF
267337 2001 VK_{5}	39.05	0.92	2	T?		270561 2002 GF_{188}	>2.02	>0.15			SWF
267341 2001 VC_{93}	22.5175	0.31	2		DWF	270626 2002 PA_{34}	27.068	0.50	2		SWF
267356 2001 XW_{5}	8.54	0.70	1	DA	SWF	270645*2002 PR_{112}	12.437	0.25−0.26	2		SWF
267494 2002 JB_{9}	2.4261	0.12−0.21	3	N		270648 2002 PK_{130}	7.386	0.43	2		SWF
267605 2002 RG_{92}				HN	DWF	270739 2002 RC_{10}	5.462	0.42	2		SWF
267640 2002 SY_{41}				HN	DWF	270742 2002 RV_{28}	5.573	0.76	2		SWF
267654 2002 TX_{62}	>3.72	>0.19			SWF	270747 2002 RH_{51}	410.281	0.38	2		DWF
267662 2002 TQ_{139}	19.1951	0.45	2		DWF	270781 2002 RT_{200}	4.995	0.33	2		SWF
267677 2002 TG_{385}	5.020	0.50	2		SWF	270808 2002 RS_{264}				HN	DWF
267681 2002 UV_{18}				HN	DWF	270856 2002 TC_{51}	54.0138	0.24	2		DWF
267708 2003 AV_{56}	8.06246	0.65	2		DWF	270877 2002 TN_{185}	4.330	0.41	2		SWF
267729 2003 FC_{5}	129.5	>0.5	2	NT0		270889 2002 TV_{224}	4.66277	0.18	2		DWF

Planet	Period	Variation	Note		Survey
270895 2002 TE_{252}				HN	DWF
270928 2002 UD_{37}	2.46	0.35	2		SWF
270994 2002 XV_{39}				HN	DWF
271005 2002 XN_{94}				HN	DWF
271070 2003 JC_{5}	>1.97	>0.37			SWF
271087 2003 QL_{7}				HN	DWF
271100 2003 QZ_{92}	4.140	0.75	2		SWF
271110 2003 RO_{11}	6.48	0.74	2		SWF
271222 2003 TY_{37}	4.010	0.49	2		SWF
271392 2004 BQ_{98}	>3.72	>0.27			SWF
271399 2004 CQ_{9}	>4.35	>0.42			SWF
271445 2004 EC_{12}	7.577	0.59−0.77	2		SWF
271521 2004 GF_{49}	>1.28	>0.21			SWF
271559 2004 JV_{32}	>1.78	>0.32			SWF
271575 2004 LQ_{12}				HN	DWF
271578 2004 LF_{25}	2.28	0.19	2		SWF
271611 2004 PK_{21}	18.5341	0.37	2		DWF
271624 2004 PR_{55}	7.439	0.93	2		SWF
271630 2004 PH_{68}	>1.35	>0.22			SWF
271661 2004 RH_{39}	>5.48	>0.30			SWF
271680 2004 RY_{80}	5.406	0.51−0.71	2		SWF
271713 2004 RU_{200}	4.19	0.65	2		SWF
271716 2004 RY_{212}	19.357	0.77	2		SWF
271737 2004 RD_{293}				HN	DWF
271745 2004 RM_{324}	8.54	0.55	1	DA	SWF
271852 2004 TR_{248}				HN	DWF
271918 2004 XB_{44}	5.16	0.43	1+		SWF
272132 2005 MN_{35}	>1.5	>0.11			SWF
272157 2005 NU_{81}				HN	DWF
272198 2005 QC_{15}				HN	DWF
272201 2005 QT_{17}	>1.9	>0.39			SWF
272214 2005 QD_{42}	20.278	0.58−0.59	2		SWF
272262 2005 QJ_{172}	9.043	0.62	2		SWF
272294 2005 SA_{21}	3.21	0.43	2		SWF
272301 2005 SA_{28}	>5.33	>0.29			SWF
272378 2005 SQ_{220}	273.306	0.40	2		DWF
272459 2005 UP_{54}	>1.28	>0.20			SWF
272471 2005 UF_{77}	76.1636	0.16	2		DWF
272510 2005 UE_{197}	>5.02	>0.36			SWF
272525 2005 UJ_{273}	34.841	0.56	2		SWF
272529 2005 UY_{281}	>1.97	>0.42			SWF
272552 2005 UE_{419}				HN	DWF
272555*2005 UE_{442}	4.935	0.48−0.51	2		SWF
272589 2005 VA_{58}					SWF
272594 2005 VE_{91}	4.687	0.33	2		SWF
272622 2005 WU_{38}	5.150	0.53	2		SWF
272632 2005 WF_{71}	2.408	0.36	2		SWF
272638 2005 WL_{79}	5.974	0.45	2		SWF
272650 2005 WV_{144}	5.33	1.06	2		SWF
272655 2005 WD_{171}					SWF
272714 2005 YM_{35}				HN	DWF
272769 2005 YL_{176}				HN	DWF
272783 2005 YO_{216}	>5.48	>0.26			SWF
272830 2006 AN_{100}	>5.42	>0.24			SWF
272833 2006 BV_{1}	5.33	0.87	2		SWF
272841 2006 BG_{18}	4.85	0.72	2		SWF
272853 2006 BH_{39}	3.87	0.62	1+		SWF
272872 2006 BY_{81}	7.650	0.71	2		SWF
272920 2006 BW_{191}	>5.30	>0.44			SWF
272942 2006 BU_{276}	73.129	0.72	2		SWF
272962 2006 CE_{38}	>5.40	>0.36			SWF
273001 2006 DJ_{68}	7.057	0.46	2		SWF
273019 2006 DE_{91}	3.14	0.50	2		SWF
273168 2006 HH_{64}				HN	DWF
273234 2006 KC_{12}	445.678	0.26	2	A	DWF
273270 2006 MZ_{5}	17.750	0.59	2		SWF
273275 2006 PQ_{36}	18.8047	0.85	2		DWF
273278 2006 QD_{90}	>5.33	>0.35			SWF
273283 2006 RL_{18}	8.97	0.49	2		SWF
273300 2006 SS_{108}	61.7794	0.33	2		DWF
273303 2006 SL_{141}				HN	DWF
273329 2006 TS_{54}	>1.15	>0.15			SWF
273330 2006 TO_{57}	>1.35	>0.18			SWF
273498 2007 AX_{18}	9.100	0.36	2		SWF
273523 2007 BN_{18}	>1.10	>0.18			SWF
273551 2007 BY_{61}				HN	DWF
273654 2007 DB_{81}	>5.48	>0.44			SWF
273692 2007 EY_{32}				HN	DWF
273834 2007 GO_{25}	6.483	0.72	2		SWF
273848 2007 GO_{44}				HN	DWF

Planet	Period	Variation	Note		Survey
273976 2007 LN_{13}	5.754	0.17	2		SWF
274022 2007 RZ_{18}				HN	DWF
274025 2007 RM_{22}	4.258	0.28	2		SWF
274026 2007 RT_{29}	164.417	0.51	2		SWF
274046 2007 RP_{310}	57.509	0.36	2		DWF
274099 2008 CF_{172}	6.34161	0.57	2		DWF
274103 2008 CJ_{195}	>4.35	>0.28			SWF
274107 2008 DL_{21}	59.3203	0.46	2	A	DWF
274138 2008 FU_{6}	2.852	0.07	2		
274198 2008 HY_{22}	6.364	0.56−0.70	2		SWF
274231 2008 KJ_{40}	4.68	0.87	2		SWF
274301 Wikipedia	>1.05	>0.30			SWF
274444 2008 SR_{47}	12.00	0.61	1	DA	SWF
274659 2008 TV_{157}					SWF
274702 2008 UM_{83}	>5.48	>0.32			SWF
274707 2008 UG_{100}	6.082	0.76	2		SWF
274881 2009 SE_{25}	4.55	0.37	2		SWF
274935 2009 ST_{205}	5.23	0.34	2		SWF
274959 2009 SS_{304}				HN	DWF
274966 2009 SV_{333}	>1.97	>0.26			SWF
275073*2009 UX_{139}	12.859	0.29−0.65	2		SWF
275166 2009 WQ_{10}	7.32	0.97	2		SWF
275173 2009 WX_{33}				HN	DWF
275255 2009 XB_{25}	4.993	0.99	2		SWF
275300 2010 OH_{118}	134.452	0.80	2		SWF
275538 1998 RA_{63}	8.652	0.37	2		SWF
275551 1999 ED_{10}	6.651	0.54−0.58	2		SWF
275557 1999 RE_{30}	15.215	0.41	2		SWF
275600 1999 VC_{163}	>1.9	>0.21			SWF
275611*1999 XX_{262}	15.109	0.13−0.16	2	AT?	
275672 2000 QQ_{136}				HN	DWF
275677 2000 RS_{11}	4.444	0.70−1.37	3		
275681 2000 SQ_{33}	9.007	0.74−0.76	2		SWF
275694 2000 SZ_{281}	6.481	0.55	2		SWF
275721 2001 AS_{5}				HN	DWF
275762 2001 OG_{113}	85.5664	0.35	2		DWF
275772 2001 PU_{37}	10.8141	0.18	2		DWF
275781 2001 QZ_{25}	216.483	0.36	2		DWF
275807 2001 QQ_{288}	32.0815	0.28	2		DWF
275809 2001 QY_{297}	11.68	0.49	2	B	
275862 2001 SG_{174}	8.03	0.11	2		SWF
275864 2001 SP_{175}	6.677	0.82	2		SWF
275897 2001 TL_{76}	>1.97	>0.17			SWF
275898 2001 TM_{81}	6.368	0.57	2		SWF
275911 2001 TD_{149}	5.68	0.79	2		SWF
275912 2001 TW_{149}	5.804	0.61	2		SWF
275915 2001 TB_{171}	19.8974	0.20	2		DWF
275944 2001 UG_{148}	51.0173	0.26	2		DWF
275955 2001 VY_{68}	6.86	0.51	2		SWF
275961 2001 VU_{128}					SWF
275971 2001 WS_{91}	5.062	0.64−0.96	2		SWF
275974 2001 XD	26.1	0.50	2	T0	
275976 2001 XV_{10}	6.41	0.08	2−		
276001 2001 XJ_{228}	>1.0	>0.11			SWF
276003 2001 YE_{7}	7.24	0.55	1	DA	SWF
276033 2002 AJ_{129}	3.9223	0.17	2+		
276049*2002 CE_{26}	3.2930	0.06−0.07	3 p	BR	
276247 2002 RE_{176}	5.852	0.53−0.54	2		SWF
276291 2002 TL_{59}	43.100	0.69	2		SWF
276322 2002 TC_{205}	>2.02	>0.31			SWF
276332 2002 TD_{259}	266.009	0.23	2		DWF
276354 2002 UV_{38}	285.845	0.37	2		DWF
276397*2002 XA_{40}	2.433	0.12	2		
276400 2002 XS_{45}	7.31665	0.97	2		DWF
276624 2003 UW_{139}				HN	DWF
276684 2003 YS_{36}				HN	DWF
276692 2003 YC_{113}	22.9288	0.19	2		DWF
276698 2004 AA_{7}				HN	DWF
276738 2004 ET_{42}	4.925	0.71−0.93	2		SWF
276741 2004 EM_{66}	4.56	0.15	2	A	
276760 2004 GA_{19}	6.58	0.73	2		SWF
276786 2004 KD_{1}	5.018	0.59	2		SWF
276805 2004 PT_{18}	7.23	0.30	2		SWF
276946 2004 TU_{266}				HN	DWF
276996 2004 XA_{47}				HN	DWF
276998 2004 XE_{52}	3.831	0.50	2		SWF
277011 2004 YZ_{21}	21.34	0.55	1+	DA	SWF
277039 2005 CF_{41}	16.2	0.30	2		
277089 2005 EN_{215}	4.99	0.31	2		SWF
277142 2005 LG_{8}	4.63	0.62	2		SWF

Planet	Period	Variation	Note	Survey
277192 2005 QS_{35}	8.00	0.81	2	SWF
277221 2005 QE_{159}	6.54	0.69	2	SWF
277245 2005 RX_{24}	65.509	0.68	2	DWF
277248 2005 RK_{30}	3.92093	0.18	2	DWF
277293 2005 SN_{106}	4.64	0.40	2	SWF
277295 2005 SR_{123}	7.97	0.78	2	SWF
277373 2005 UD_{20}	177.552	0.95	2	SWF
277390 2005 UM_{125}			HN	DWF
277475 2005 WK_{4}	2.595	0.25−0.29	2+	
277487 2005 WM_{73}	>2.28	>0.47		SWF
277504 2005 WK_{151}	>3.72	>0.75		SWF
277506 2005 WP_{163}	>1.28	>0.31		SWF
277513 2005 WT_{184}	>5.48	>0.36		SWF
277529 2005 XL_{66}	3.61103	0.07	2	DWF
277570 2005 YP_{180}	3.689	0.27	3	
277574 2005 YR_{192}			HN	DWF
277615 2006 BM_{2}	28.1258	0.34	2 A	DWF
277616 2006 BN_{6}	5.45	0.31	2	
277645 2006 BW_{112}			HN	DWF
277650 2006 BJ_{130}	4.12	0.54	2+	SWF
277866 2006 JP_{32}			HN	DWF
277935 2006 LK_{4}	2.38488	0.30	2 1	DWF
278006 2006 UE_{168}	>1.97	>0.13		SWF
278094 2007 BS_{24}	>2.55	>0.47		SWF
278095 2007 BW_{27}			HN	DWF
278112 2007 CK	3.98	0.18	2	SWF
278140 2007 CL_{59}	3.14	0.20	2	SWF
278184 2007 DR_{98}	5.08	0.84	2	SWF
278198 2007 EO_{12}			HN	DWF
278217 2007 EK_{54}			HN	DWF
278221 2007 ES_{78}	>5.48	>0.34		SWF
278237 2007 EY_{125}	>4.50	>0.41		SWF
278258 2007 EH_{214}			HN	DWF
278361*2007 JJ_{43}	6.04	0.10−0.13	2 A	
278451 2007 TO_{22}	19.130	0.42	2	SWF
278468 2007 TP_{208}	15.3595	0.17	2	DWF
278496 2007 WV_{8}	4.78369	0.38	2	DWF
278533 2008 EP_{47}			HN	DWF
278545 2008 EM_{167}	>2.02	>0.49		SWF
278553 2008 FL_{96}			HN	DWF
278564 2008 GK_{97}			HN	DWF
278573 2008 HF_{26}			HN	DWF
278577 2008 HG_{40}			HN	DWF
278648 2008 RY_{37}	4.666	0.48	2	SWF
278686 2008 RN_{115}	5.03	1.18	2	SWF
278807 2008 SQ_{244}	6.32	1.04	2	SWF
278856 2008 TZ_{22}	4.12	0.86	2	SWF
278889 2008 TC_{88}	13.15	0.71	2	SWF
278973 2008 UO_{159}	5.447	0.83	2	SWF
278983 2008 UM_{190}	3.760	0.19	2	SWF
278984 2008 UZ_{193}	3.568	0.51	2	SWF
278985 2008 UU_{195}	106.361	0.30	2	DWF
279010 2008 UN_{281}	3.688	0.47	2	SWF
279037 2008 VU_{13}			HN	DWF
279043 2008 VT_{33}	9.366	0.65	2	SWF
279121 2009 OP_{22}	126.530	0.10	1	SWF
279206 2009 UP_{31}	15.38	0.41	2	SWF
279208 2009 UQ_{35}	499.588	0.46	2	SWF
279317 2009 XH_{1}	S 4.25276		2 p N	LCI-W
279424 2010 JY_{151}			HN	DWF
279436 2010 NN_{112}	S 4.39273		2 p N	LCI-W
279445 2010 RE_{51}	>1.28	>0.24		SWF
279501 2011 AE_{43}			HN	DWF
279536 2011 CV	9.189	0.72	2	SWF
279586 2011 EE	6.23	0.73	2	SWF
279652 2011 FJ_{4}	5.22	0.55	2	SWF
279678 2011 FP_{32}	8.654	0.41	2	SWF
279740 1998 BO_{6}			HN	DWF
279777 1999 TT_{144}	6.517	0.55	2+	
279909 2001 QT_{281}	8.64827	0.15	2	DWF
279947 2001 SG_{142}	6.60	0.44	2+	SWF
280009 2001 VM_{6}	3.76	0.29	2	SWF
280032 2001 XT_{192}	12.358	0.29	2	DWF
280070 2002 CR_{192}			HN	DWF
280084 2002 CZ_{295}	7.80	0.39	2	SWF
280187 2002 RD_{240}	4.67	0.48	2	SWF
280200 2002 TN_{54}	35.1922	0.44	2	DWF
280225 2002 UT_{58}	4.07	0.65	1+	SWF
280298 2003 OV_{26}	>1.35	>0.19		SWF
280308 2003 QP_{58}	2.23	0.44	2	SWF
280343 2003 SA_{176}	11.015	0.82	2	SWF
280371 2003 UV_{7}	>5.48	>0.19		SWF
280427 2003 YH_{56}			HN	DWF
280434 2003 YH_{134}	9.3713	0.27	2	DWF
280470 2004 GF_{25}	54.2664	0.32	2	DWF
280573 2004 TG_{55}	>1.93	>0.26		SWF
280589 2004 TX_{348}	114.717	0.46	2	SWF
280614 2004 XY_{24}	>2.05	>0.21		SWF
280694 2005 FX_{4}	S 9.80455		2 p N	LCI-W
280781 2005 SO_{129}	5.091	0.66	2	SWF
280856 2005 UU_{298}	4.37	0.40	2	SWF
280893 2005 WZ_{170}	>1.35	>0.11		SWF
281012 2006 EA_{11}	2.36	0.43	2	SWF
281026 2006 GU_{4}	4.27	0.46	2	SWF
281052 2006 HH_{153}			HN	DWF
281122 2007 BW_{57}	6.836	0.67−0.98	2	SWF
281151 2007 DY_{65}	3.90	0.48	2	SWF
281357 2007 VF_{176}	73.221	0.58	2	DWF
281375 2008 JV_{19}	3.500	0.30	3−	
281567 2008 UR_{92}	2.67	0.18	2	SWF
281573 2008 UQ_{101}	12.57	0.56	2	SWF
281596 2008 UP_{161}	>4.82	>0.40		SWF
281662 2008 VX_{15}	>5.48	>0.26		SWF
281699 2008 WX_{66}	>1.33	>0.12		SWF
281702 2008 WT_{79}			HN	DWF
281760 2009 BP_{172}	19.0841	0.15	2 1	DWF
281784 2009 SH_{352}	>1.0	>0.14		SWF
281807 2009 WC_{76}			HN	DWF
281819 2009 WS_{250}	6.67299	0.40	2	DWF
281823 2009 XQ_{24}			HN	DWF
281826 2009 YG_{20}			HN	DWF
281981 2011 HJ_{12}	9.23	0.89	2	SWF
282077 2000 ER_{142}	10.819	0.56−0.77	2	SWF
282081 2000 NG	6.59	0.33	2	
282107 2000 VW_{6}	>1.83	>0.22		SWF
282115 2000 YS_{97}	36.225	0.48	2	SWF
282192 2001 TB_{229}	38.436	0.58	2	SWF
282247 2002 GO_{49}	4.12	0.88	2	SWF
282366 2003 OO_{10}	111.567	0.26	2	DWF
282500 2004 PL_{62}	>24.	>1.		SWF
282505 2004 PA_{102}	7.092	0.69	3	
282631 2005 SV_{1}	16.8	0.31	2− N	
282694 2006 AO_{5}	11.85	0.21	2	SWF
282705 2006 BD_{96}	2.68	0.32	2	SWF
282774 2006 JA_{49}	53.779	0.81	2	SWF
282783 2006 KM_{26}	>2.05	>0.11		SWF
282858 2007 CX_{12}	15.48	1.05	2−	SWF
282963 2007 RQ_{277}	>0.92	>0.17		SWF
283055 2008 HS_{29}	3.30	0.53	2	SWF
283057 Casteldipiazza	3.92	0.84	2	SWF
283171 2009 FR_{5}	>1.97	>0.41		SWF
283235 2010 TX_{147}	469.029	0.22	2	DWF
283252 2011 EL_{53}	8.28	0.68	2	SWF
283265 2011 FM_{155}	9.283	0.58	2	SWF
283313 2011 KE_{27}	14.6861	0.55	2	DWF
283366 2000 CW_{114}	>1.02	>0.31		SWF
283369 2000 EX_{13}	7.95851	0.61	2	DWF
283392 2000 RR_{36}	22.4278	1.65	2	DWF
283401 2000 SV_{15}	502.040	0.37	2	SWF
283460 2001 PD_{1}	14.58	0.12	2 NA	
283470 2001 QM_{153}	23.3268	0.40	2	DWF
283557 2001 VV_{2}	233.652	0.17	2	DWF
283603 2001 YH_{153}	16.714	0.43	2	SWF
283606 2002 AX_{96}	14.142	0.46	2	SWF
283633 2002 EG_{5}	5.30	0.95	2	SWF
283691 2002 RH_{80}	7.98	0.28	2	
283729 2002 UX	5.937	0.23	3−	
283741 2002 XH_{118}	6.48	0.59−0.75	2	SWF
283764 2003 GW_{8}	4.29	0.40	2	SWF
283912 2004 FW_{111}			HN	DWF
284280 2006 JA_{44}	6.84	0.47	2	SWF
284441 2007 EN_{37}	6.76	0.90	1 DA	SWF
284568 2007 TH_{54}	>1.90	>0.09		SWF
284675 2008 RA_{70}	>6.	>0.6	1	SWF
284772 2008 WM_{121}	6.00	0.39	2	SWF
284895 2009 SW_{168}	S 8.76281		2 p N	LCI-W
284917 2010 BG_{4}	97.5693	0.27	2	DWF
284925 2010 CY_{103}	5.668	0.70−0.74	2	SWF
284933 2010 DX_{7}	>4.35	>0.56		SWF
284948 2010 ET_{99}	>3.72	>0.12		SWF

Planet	Period	Variation	Note		Survey	Planet	Period	Variation	Note		Survey
284970 2010 FP_{100}	2.56	0.43	2		SWF	288616 2004 NV_{9}	4.409	0.25	2		SWF
284975 2010 GG_{27}				HN	DWF	288681 2004 PN_{93}	158.641	1.11	2		DWF
285030 2011 EJ_{11}	146.002	0.44	2		DWF	288688 2004 PY_{103}	5.782	0.25	2		SWF
285032 2011 EX_{26}	140.919	0.55	2		SWF	288708 2004 RB_{7}	8.58	0.21	1	DA	SWF
285036 2011 EJ_{51}				HN	DWF	288791 2004 RM_{141}	19.719	0.39	2		SWF
285103 1995 BW_{7}	>5.15	>0.37			SWF	288858 2004 RO_{217}	>3.27	>0.51			SWF
285106 1995 FL_{7}				HN	DWF	288944 2004 SL_{51}				HN	DWF
285263 1998 QE_{2}	4.749	0.19−0.20	3	BR		288989 2004 TC_{60}	>2.32	>0.18			SWF
285298 1998 TR_{12}	>1.00	>0.08			SWF	289007 2004 TW_{86}				HN	DWF
285343 1999 RR_{5}	>3.23	>0.27			SWF	289066 2004 TK_{207}	40.616	0.26	2		DWF
285405 1999 UZ_{3}	78.034	0.58	2		SWF	289114 2004 TK_{346}	3.81	0.63	2		SWF
285409 1999 UF_{32}	6.67	0.82	2		SWF	289117 2004 TV_{355}	4.689	0.43	2		SWF
285417 1999 VH_{46}	20.581	0.87	2		SWF	289146 2004 VL_{14}				HN	DWF
285540 2000 GU_{127}	>24.	>0.1	1	N		289234 2004 XN_{70}	5.82756	0.22	2		DWF
285596 2000 QM_{131}	36.7284	0.41	2		DWF	289363 2005 BC_{49}	60.6393	0.33	2		DWF
285597 2000 QL_{136}	38.7014	0.18	2		DWF	289431 2005 EJ_{25}	6.290	0.53	2		SWF
285625 2000 RD_{34}	0.065	0.08	1+			289484 2005 EB_{88}	338.887	0.31	2	A	DWF
285641 2000 SN_{16}	5.834	0.69	2		SWF	289617 2005 GY_{30}	5.06	0.57	2		SWF
285661 2000 SO_{65}	212.009	0.19	2		DWF	289660 2005 GO_{123}	10.97	0.61	2		SWF
285671 2000 SY_{118}	92.641	0.66	2		SWF	289664 2005 GV_{127}	S 4.204315		2	p N	LCI-W
285702 2000 SS_{216}	5.4615	0.27	2		DWF	289668 2005 GN_{137}	>48.	>1.2			SWF
285741 2000 TH_{23}	7.47	0.96	2		SWF	289805 2005 JC_{149}	>5.48	>0.33			SWF
285785 2000 WP_{43}	>2.65	>0.37			SWF	289891 2005 MY_{32}	79.826	0.24	2	1	DWF
285805 2000 YV_{27}				HN	DWF	289931 2005 NW_{32}	4.66	0.83	2		SWF
285840 2001 FP_{49}	5.00	0.60	2		SWF	289980 2005 OK_{7}	59.571	0.62	2		SWF
285874 2001 NK_{9}	52.7978	0.32	2		DWF	290168 2005 RL_{21}	>0.88	>0.68			SWF
285944 2001 RZ_{11}	2.2455	0.09−0.11	2	A		290187 2005 SY_{10}	>1.90	>0.30			SWF
285971 2001 RW_{109}	>1.97	>0.72			SWF	290206 2005 SW_{38}				HN	DWF
286066 2001 SY_{311}	>3.47	>0.24			SWF	290341 2005 SV_{238}	3.35	0.23	2		SWF
286090 2001 TY_{27}	109.834	0.24	2		DWF	290351 2005 SO_{251}	7.275	0.54	2		SWF
286096 2001 TR_{47}	11.03	0.62	2		SWF	290447 2005 TC_{133}	>1.77	>0.25			SWF
286170 2001 UM_{26}	64.9363	0.62	2	1	DWF	290462 2005 TR_{168}	18.32	0.45	2		SWF
286176 2001 UD_{43}				HN	DWF	290525 2005 UK_{44}	>5.35	>0.39			SWF
286227 2001 UV_{140}	5.82	0.30	3−			290531 2005 UN_{54}	30.38	0.95	2		SWF
286273 2001 VA_{77}	149.497	0.28	2		DWF	290559 2005 UV_{108}	11.634	0.48	1	NA	
286322 2001 WD_{83}	3.14	0.76	2		SWF	290723 2005 UZ_{437}	6.76	0.42	1	DA	SWF
286340 2001 XS_{43}	5.61	0.26	2		SWF	290790 2005 VE_{61}	>1.02	>0.18			SWF
286357 2001 XU_{134}	8.95415	0.38	2		DWF	291110 2005 YW_{173}	53.5719	0.30	2		DWF
286445 2002 AK_{62}	3.02497	0.36	2		DWF	291120 2005 YP_{199}	7.54	0.71	2		SWF
286450 2002 AJ_{73}	10.34	0.99	2		SWF	291277 2006 BJ_{100}	6.420	0.70	2		SWF
286490 2002 AJ_{206}	265.76	0.44	2		DWF	291299 2006 BV_{140}	6.154	0.76	2		SWF
286572 2002 CX_{207}	12.2793	0.38	2		DWF	291414 2006 DG_{8}	>0.88	>0.40			SWF
286750 2002 GU_{171}	5.55	0.67	2+		SWF	291447 2006 DH_{40}	14.12	0.89	2		SWF
286771 2002 JF_{23}	8.584	0.31	2		SWF	291901 2006 QB_{8}	8.201	0.73	2		SWF
286779 2002 JD_{80}	4.36	0.34	2		SWF	291911 2006 QV_{11}	53.213	0.79	2		SWF
286836 2002 NX_{38}	5.44	0.68	2		SWF	291997 2006 QJ_{113}	5.05	0.84	3−		SWF
286901 2002 PU_{64}	5.959	0.76	2		SWF	292019 2006 QP_{149}	4.68	0.57	2		SWF
286937 2002 PN_{139}	65.2592	0.28	2		DWF	292079 2006 RN_{26}	2.3274	0.20	2−		SWF
287091 2002 RG_{82}	>5.33	>0.31			SWF	292323 2006 SV_{170}	16.0361	0.43	2		DWF
287099 2002 RK_{127}	7.36	0.31	2		SWF	292339 2006 SR_{192}	>3.72	>0.27			SWF
287110 2002 RC_{160}	7.30	0.17	1		SWF	292462 2006 SZ_{373}	>5.42	>0.28			SWF
287190 2002 SL_{4}	7.058	0.93	2		SWF	292618 2006 UC_{3}	4.43	0.44	2		SWF
287242 2002 TJ_{56}	3.04	0.32	2		SWF	292773 2006 UH_{205}	17.65	0.35	2		SWF
287254 2002 TT_{101}	5.722	0.57−0.65	2		SWF	292869 2006 VB_{6}	6.096	0.54	2		SWF
287343 2002 TK_{353}	7.00	0.34	2		SWF	292958 2006 VY_{112}	>1.97	>0.54			SWF
287440 2002 XY_{24}	2.37447	0.19	2		DWF	293054*2006 WP_{127}	5.985	0.35−0.36	3		
287471 2003 AK_{46}	2.75	0.33	2		SWF	293136 2006 XM_{64}	48.4561	0.37	2	1	DWF
287507 2003 BQ_{58}	44.282	0.77	2		SWF	293206 2007 BK_{17}	>1.35	>0.23			SWF
287512 2003 BV_{69}	5.18	1.08	2		SWF	293224 2007 BH_{42}	71.6583	0.24	2		DWF
287620 2003 HW_{13}	>1.78	>0.28			SWF	293404 2007 EN_{79}	2.67	0.50	2		SWF
287659 2003 MV_{9}				HN	DWF	293475 2007 ER_{220}	7.36	0.65	2		SWF
287670 2003 OT_{20}	627.436	2.23	2	A	DWF	293620 2007 LP_{37}	>0.62	>0.15			SWF
287677 2003 QB_{4}	6.593	0.37	2		SWF	293628 2007 NE_{1}	7.172	0.74−1.15	2		SWF
287737 2003 SX_{5}	6.574	0.68	2		SWF	293634 2007 OS_{4}	7.437	0.23	2		SWF
287823 2003 SK_{194}	7.894	0.97	2		SWF	293662 2007 PW_{16}	200.565	0.18	2		DWF
287950 2003 UG_{93}	3.542	0.35	2		SWF	293824 2007 RH_{194}	3.33	0.25	2		SWF
288012 2003 UZ_{207}	>5.40	>0.54			SWF	293854 2007 RU_{238}	>5.40	>0.21			SWF
288079 2003 VV_{5}	>1.00	>0.12			SWF	293879 2007 RA_{278}	390.577	0.82	2		DWF
288224 2003 YV_{59}	4.03	0.96	2−		SWF	293910 2007 SX_{4}	33.33	0.51	2		SWF
288241 2003 YL_{94}	20.9732	0.45	2		DWF	293914 2007 SH_{10}	3.23	0.37	2		SWF
288259 2003 YL_{137}	>1.72	>0.25			SWF	294007 2007 TL_{95}	>0.92	>0.34			SWF
288266 2003 YH_{154}	5.146	0.45	2		SWF	294149 2007 TQ_{321}	5.66	0.36	2		SWF
288286 2004 AT_{12}				HN	DWF	294213 2007 US_{2}	>5.42	>0.38			SWF
288293 2004 AC_{25}				HN	DWF	294268 2007 UY_{95}				HN	DWF
288309 2004 BJ_{33}				HN	DWF	294282 2007 UV_{108}	4.82	0.74	2		SWF
288340 2004 BZ_{97}	>3.72	>0.17			SWF	294330 2007 VK_{64}	13.48	0.35	2		SWF
288379 2004 CA_{50}	292.309	0.31	2		DWF	294334 2007 VZ_{74}	5.24	0.69	2		SWF
288385 2004 CB_{76}	>2.02	>0.41			SWF	294377 2007 VO_{132}				HN	DWF
288443 2004 EU_{45}		0.9		I		294518 2007 XB_{16}	30.9568	0.18	2	A	DWF
288457 2004 EE_{75}	8.344	0.40	2		SWF	294622 2008 AB_{35}				HN	DWF

Planet	Period	Variation	Note		Survey
294704 2008 BJ_8	>5.42	>0.34			SWF
294739*2008 CM	3.05785	0.18−0.49	3		
294762 2008 CA_{26}	5.53	0.79	2		SWF
294796 2008 CB_{72}	8.833	0.60	2		SWF
294822 2008 CK_{127}	11.85	1.00	2		SWF
294954 2008 DU_{81}	3.278	0.54	2		SWF
295041 2008 ER_{98}	3.172	0.38	2		SWF
295060 2008 EL_{118}	17.5135	0.30	2		DWF
295076 2008 ER_{131}	7.20	0.65	1	DA	SWF
295196 2008 FQ_{107}	>0.82	>0.25			SWF
295232 2008 GF_{13}	8.26432	0.22	2		DWF
295285 2008 GD_{95}	155.814	0.22	2		DWF
295346 2008 HX_{21}	45.4584	0.16	2		DWF
295479 2008 QP_{30}	12.702	0.55	2		SWF
295590 2008 SR_{134}	>1.03	>0.14			SWF
295646 2008 SG_{280}	5.342	0.59	2		SWF
295704 2008 TZ_{189}	5.27	0.96	2		SWF
295723 2008 UR_{51}				HN	DWF
295731 2008 UO_{62}	>5.35	>0.43			SWF
295741 2008 UJ_{94}	138.351	0.35	2		DWF
295768 2008 UT_{171}	8.48	0.31	2		SWF
295805 2008 UK_{305}	>2.75	>0.28			SWF
295854 2008 VX_{67}	6.55662	0.32	2		DWF
295927 2008 WZ_{137}	6.44	0.62	1	DA	SWF
295930 2008 XQ_4	6.19	0.89	2−		SWF
296089 2009 BK_{17}	12.97	0.75	2		SWF
296094 2009 BB_{32}				HN	DWF
296119 2009 BU_{64}	3.90	0.24−0.29	2		SWF
296352 2009 FA_{22}	4.81143	0.54	2		DWF
296377 2009 FD_{46}	47.0206	0.27	2		DWF
296402 2009 GF_1	>4.40	>0.29			SWF
296449 2009 HM_{59}	5.491	0.60	2		SWF
296521 2009 MZ_8	3.561	0.59	2		SWF
296631 2009 SG_{61}				HN	DWF
296686 2009 SN_{236}	7.69194	0.19	2	1	DWF
296697 2009 SD_{269}				HN	DWF
296780 2009 UB_{140}	93.042	0.36	2		DWF
296879 2010 AK_{32}	4.957	0.61	2		SWF
296881 2010 AM_{40}	4.53343	0.39	2		DWF
296886 2010 AF_{79}	9.613	0.45−0.69	2		SWF
296914 2010 CO_{81}	7.44	0.98	2		SWF
296984 2010 ER_{105}	5.010	0.44−0.53	2		SWF
297128 2010 SY_2	>4.35	>0.51			SWF
297140 2010 TY_{127}	>3.72	>0.46			SWF
297148 2010 UD_{11}	3.612	0.44	2		SWF
297274 1996 SK	4.645	0.39	3		
297281 1997 GJ_{30}					SWF
297341 1999 XR_{102}	7.930	0.76	2		SWF
297418*2000 SP_{43}	6.314	0.98−1.13	3		
297572 2001 RK_{103}	14.46	0.71	2		SWF
297715 2001 VZ_{123}	19.46	1.0	3−		SWF
297744 2001 XQ_{13}	8.60419	0.20	2		DWF
297935 2002 EB_{130}	17.582	0.42	2		DWF
297991 2002 ND_{27}	293.316	0.58	2		DWF
298126 2002 RB_{251}	>2.02	>0.37			SWF
298216 2002 TT_{375}	8.250	0.78	2		SWF
298281 2002 XD_{94}	>1.78	>0.20			SWF
298305 2003 DO	4.50	0.73	2		SWF
298312 2003 EE_{18}	5.08	0.71	2		SWF
298334 2003 FQ_{113}	11.8427	0.30	2		DWF
298414 2003 ST_{307}	1.27	0.47	2		SWF
298624 2004 BH_{10}	62.6074	1.40	2	A	DWF
298665 2004 CW_{57}	>1.78	>0.20			SWF
298690 2004 DX_{64}	7.55	1.21	2		SWF
298790 2004 PC_{99}	16.1983	0.19	2		DWF
298797 2004 QX_9	26.5079	0.18	2		DWF
298808 2004 RV_{33}	3.64	0.17	2		
298815 2004 RX_{60}	3.75346	0.28	2		DWF
298882 2004 SJ_{39}	44.2197	0.47	2		DWF
298929 2004 TQ_{160}	7.272	0.73	2		SWF
298940 2004 TQ_{237}	338.507	0.33	2		DWF
298957 2004 TW_{355}	30.7988	0.26	2		DWF
298983 2004 WM_{11}	22.1339	0.29	2		DWF
298984 2004 XM_6	9.98087	0.17	2		DWF
299146 2005 EU_{266}	10.291	0.56	2		SWF
299209 2005 JN_{36}	2.91	0.71	2		SWF
299262 2005 NT_{51}	6.548	0.64	2		SWF
299348 2005 SU_{179}	5.530	0.53	2		SWF
299484 2006 BX_{182}	8.28	0.71	2		SWF
299602 2006 HC_{71}	>2.02	>0.23			SWF

Planet	Period	Variation	Note		Survey
299616 2006 JE_4	5.47	0.85	2		SWF
299693 2006 QZ_{110}	22.1125	0.26	2	A3	DWF
299722 2006 RP_{26}	>0.95	>0.26			SWF
299761 2006 SM_6	>2.65	>0.40			SWF
299763 2006 SE_{12}	13.249	0.47	2		SWF
299818 2006 SP_{156}	6.63	0.54	2		SWF
299822 2006 SB_{161}	18.18	0.29	2		SWF
299832 2006 SB_{188}	5.65	0.43	2		SWF
300059 2006 UV_{186}	6.23	0.77	2		SWF
300139 2006 VU_{58}	6.44	0.60	2		SWF
300163 2006 VW_{139}	3240.			BHN	
300278 2007 LA_{21}				HN	DWF
300376 2007 RB_{145}	49.5937	1.12	2		DWF
300580 2007 TA_{371}	>3.72	>0.28			SWF
300697 2007 VE_{63}	7.51	0.21	3−		
300731 2007 VR_{142}	>1.90	>0.62			SWF
300793 2007 VX_{321}	7.496	0.15	2		SWF
300798 2007 VV_{331}	6.586	0.55−0.70	2		SWF
300843 2007 XP_{53}	6.00	0.20	2		SWF
300848 2007 YX_{14}	21.719	0.58	2		SWF
301003 2008 GU_{98}	5.032	0.55	2		SWF
301133 2008 WC_{134}	18.4938	0.19	2		DWF
301150 2008 YB_7	0.52			N	
301268 2009 BK_{83}	23.	1.20	2−		SWF
301417 2009 DS_{49}	2.93	0.37	2		SWF
301443 2009 DD_{82}	>0.78	>0.24			SWF
301463 2009 DX_{120}	>4.35	>0.30			SWF
301464 2009 DY_{120}	5.01	0.59	2		SWF
301467 2009 DV_{125}	5.87	0.04	2		SWF
301518 2009 FC_{18}	>3.72	>0.50			SWF
301551 2009 GD_2	25.260	0.70	2		SWF
301585 2010 BV_{38}	>5.02	>0.36			SWF
301624 2010 EJ_2	>5.48	>0.32			SWF
301757 2010 JW_{30}	179.56	0.26	2		DWF
301843 1981 DZ_2	91.0325	0.71	2		DWF
301844 1990 UA		>0.1			
301885 1998 QV_2	12.827	0.18	2		DWF
301938 2000 AD_{133}	7.635	0.53	2		SWF
301945 2000 BC_{15}	135.280	0.44	2		SWF
301991 2000 PM_1	36.4304	0.63	2		DWF
302045 2000 SE_{343}	3.92	0.49	2		SWF
302111 2001 MM_3	3.217	0.39	3		
302201 2001 UG_{87}	2.9	0.22	1		SWF
302220 2001 UD_{227}	>1.97	>1.02			SWF
302227 2001 VT_{93}	>2.13	>0.27			SWF
302311 2002 AA	4.126	0.26	2	N	
302363 2002 CC	9.60719	0.41	2		DWF
302513 2002 HY_5				HN	DWF
302685 2002 TA_{57}	22.0	0.90	3−		SWF
302774 2002 VS_{144}	>1.35	>0.23			SWF
302831 2003 FH	13.94	0.99	3−	T0	
302844 2003 FV_{92}	4.49	0.33	2		SWF
302963 2003 UD_{224}	4.807	0.66	2		SWF
303013 2003 WC_{125}	3.8	0.21	2−		
303142 2004 DU_{24}	6.2501	0.73	3−		
303143 2004 DE_{41}	4.376	0.12	1		SWF
303174 2004 FH_{11}	2.523	0.18	3−		
303179 2004 FJ_{37}	3.05	0.32	2		SWF
303304 2004 TW_{17}	4.474	0.43	2		SWF
303327 2004 TB_{111}	95.5304	0.46	2		DWF
303332 2004 TQ_{123}	11.568	0.26	2		DWF
303355 2004 TU_{330}	3.71331	0.19	2	A3	DWF
303394 2004 XV_{81}	13.3191	0.34	2		DWF
303486 2005 EJ_{71}	2.78	0.43	2		SWF
303712 2005 PR_{21}				BH	
303775 2005 QU_{182}	9.61	0.12	2	NA	
303905 2005 TV_{152}	3.468	0.61	2		SWF
303938 2005 VS_{131}	6.246	0.29	1	NA	
304193 2006 QM_{79}	>1.28	>0.35			SWF
304241 2006 RS_{26}	>5.33	>0.37			SWF
304256 2006 RH_{65}	6.479	0.32	2		SWF
304261 2006 RT_{80}	14.37	1.01	2		SWF
304321 2006 SS_{174}	>5.12	>0.54			SWF
304403 2006 TA_{28}	>4.35	>0.32			SWF
304516 2006 UU_{212}	4.72	0.24	2		SWF
304680 2006 WP_{109}	5.05	0.19	2		SWF
304803 2007 PN_{15}	62.5243	0.32	2		DWF
304837 2007 RK_{32}	9.25251	0.11	2		DWF
304945 2007 TF_8	16.53	1.0	2+		
304953 2007 TG_{41}	>48.	>0.5			SWF

Planet	Period	Variation	Note	Survey
304972 2007 TF_{153}	5.058	0.60	2	SWF
305090*2007 VQ_{4}	2.69	0.11−0.14	3−	
305454 2008 DP_{4}	0.0607		N	
305543 2008 QY_{40}		0.15	N	
305601 2008 YC_{134}	7.56	0.38	2+	
305667 2009 BF_{83}	10.837	0.35	2	SWF
305893 2009 FR_{24}	>2.02	>0.25		SWF
305968 2009 HF_{69}	4.91	0.27	2	SWF
306002 2009 VO_{72}	47.0537	0.24	2	DWF
306090 2010 HP_{25}	>1.78	>0.87		SWF
306100 2010 HY_{79}	17.639	0.56	2	SWF
306173 2010 NK_{83}	9.0	0.45	2	
306175 2010 TQ_{24}	3.87	0.85	2	SWF
306201 2011 QV_{5}	>1.78	>0.27		SWF
306236 2011 QR_{67}	37.125	0.93	2	SWF
306376 1983 TA	24.3236	0.20	2	DWF
306381 1993 RR_{2}	103.26	0.78	2 T?	
306383 1993 VD	0.94345	0.80	3	
306469 1999 RC_{180}	>5.40	>0.16		SWF
306483 1999 TR_{77}	21.3104	0.32	2 1	DWF
306574 2000 DG_{69}	>4.73	>0.44		SWF
306606 2000 LU_{36}	S 6.71136		2 p N	LCI-W
306619 2000 QE_{34}	6.3311	0.40	2	DWF
306638 2000 SF_{30}	4.758	0.37	2	SWF
306640 2000 SJ_{31}	10.774	0.46	2	SWF
306676 2000 TF_{37}	37.7414	0.15	2	DWF
306695 2000 VL_{1}	9.930	0.76	3−	
306702 2000 VQ_{52}	15.995	0.37	2	SWF
306769 2001 BX_{2}	44.880	0.21	2	SWF
306790 2001 KB_{1}	71.	0.85	2 T?	
306798 2001 OW_{94}	47.0003	0.08	2	DWF
306803 2001 QQ_{61}			HN	DWF
306857 2001 SR_{169}	3.30296	0.30	2	DWF
306930 2001 UA_{81}	>0.78	>0.41		SWF
306964 2001 VN_{9}	92.9051	0.21	2	DWF
307014 2001 XF_{62}	8.151	0.85	2	SWF
307096 2002 AG_{203}	>1.5	>0.56		SWF
307251 2002 KW_{14}	8.58	0.21−0.25	2 A	
307321*2002 QA_{123}	26.502	0.79	3−	
307391 2002 TY_{25}	25.503	0.08	1	SWF
307425 2002 TA_{267}	5.387	0.64	2	SWF
307455 2002 VP_{55}	4.774	0.76	2	SWF
307490 2002 XU_{79}	60.929	0.63	2	DWF
307505*2002 YX_{11}	6.017	0.14−0.15	3	
307517 2003 AH_{43}	4.530	0.26	2	SWF
307551 2003 EO_{29}	5.78	0.71	2	SWF
307589 2003 HY_{57}	3.57	0.81	2	SWF
307600 2003 QO_{23}	5.14653	0.45	2	DWF
307615 2003 QR_{82}	47.1434	0.25	2	DWF
307835 2003 YF_{60}	8.620	0.73	2	SWF
307955 2004 GA_{23}			HN	DWF
308006 2004 RL_{137}	>0.85	>0.17		SWF
308024 2004 RU_{255}	2.05756	0.27	2 1	DWF
308132*2004 XS_{173}	6.82	0.70−0.85	2	SWF
308193 2005 CB_{79}	6.76	0.13	2+	
308242 2005 GO_{21}	11.00	0.24	2 A	
308250*2005 GC_{60}	8.903	0.40−0.47	2+	SWF
308335 2005 OE_{18}	5.890	0.58	2	SWF
308377 2005 RM_{30}	5.924	0.58	2	SWF
308423 2005 SV_{127}	6.11	0.48	2	SWF
308429 2005 SP_{141}	9.66	0.20	2	SWF
308475 2005 TJ_{36}	>2.02	>0.19		SWF
308477 2005 TE_{44}	>1.90	>0.51		SWF
308543 2005 UO_{213}	30.73	0.31	1 NA	
308562 2005 UX_{346}	>1.97	>0.22		SWF
308568 2005 UU_{396}	7.689	0.26	1 NA	
308612 2005 WP_{90}	5.284	0.62	2	SWF
308628 2005 XM_{49}	4.053	0.39	2	SWF
308635 2005 YU_{55}	19.31	0.20−0.30	2 p AT0	
308771 2006 OK_{13}	9.96	0.18	2	SWF
308977 2006 TU_{103}	6.72	0.33	2	SWF
308996 2006 UV_{37}	>1.9	>0.34		SWF
309020 2006 UY_{116}	>48.	>1.2		SWF
309048 2006 UG_{256}	10.090	0.52	2	SWF
309084 2006 VD_{72}	>4.35	>0.35		SWF
309092 2006 VY_{122}	5.310	0.77	2	SWF
309166 2007 BA_{8}	35.8245	0.17	2	DWF
309178 2007 CV_{5}	40.9759	0.27	2	DWF
309275 2007 RF_{134}	22.004	0.23	2	DWF
309298 2007 RJ_{239}	9.16391	0.30	2	DWF
309678 2008 ER_{103}	6.02	0.72	2	SWF
309719 2008 GQ_{129}	200.025	0.41	2	DWF
309845 2009 CH_{47}	6.76	0.35	2	SWF
309882 2009 DV_{127}			HN	DWF
310024 2009 TA	253.025	0.73	2	DWF
310071 2010 KR_{59}	8.988	0.29−0.37	2	SWF
310073 2010 KX_{81}	>5.48	>0.35		SWF
310123 2011 EP_{36}	5.91	0.26	2	SWF
310198 2011 SU_{120}	4.495	0.53	2	SWF
310226 2011 SU_{230}	3.788	0.10	1	SWF
310314 2011 UG_{127}	3.38	0.34	2	SWF
310435 2000 AV_{156}	15.8033	0.10	2	DWF
310461 2000 QD_{228}	77.1017	0.21	2	DWF
310471 2000 SS_{102}	2.45	0.18	1	SWF
310492 2000 UK_{26}	25.9304	0.30	2	DWF
310533 2001 BN_{33}	8.49323	0.33	2	DWF
310540 2001 CC_{28}	4.550	0.21	2	SWF
310560*2001 QL_{142}	2.97387	0.15	2 B?	
310700 2002 JN_{10}	3.777	0.17	2	SWF
310756 2002 RC_{68}	9.616	0.59	2	SWF
310842 2003 AK_{18}	5.3	0.19	2 N	
310876 2003 KV_{33}	2.07	0.16	3−	
310892 2003 QM_{111}	408.991	0.22	2	DWF
311066 2004 DC	2.5709	0.25	2 BR	
311247 2005 EU_{15}	11.94	0.9	2− H	DWF
311442 2005 UZ_{233}	3.33	0.25	2	SWF
311485 2005 VB_{53}	6.186	0.66	2	SWF
311495 2005 WQ_{27}	>1.35	>0.26		SWF
311521 2005 XF_{12}	4.62	0.43	2	SWF
311543 2005 YS_{220}	10.506	0.53	2	SWF
311554 2006 BQ_{147}	9.15	0.31	2+	
311682 2006 SB_{79}	8.258	0.29	2	SWF
311974 2007 EY_{56}	2.76	0.25	2	SWF
312041 2007 RB_{209}	>5.13	>0.24		SWF
312114 2007 TG_{177}			HN	DWF
312391 2008 EO_{151}			HN	DWF
312473*2008 SX_{245}	3.463	0.11	3	
312482 2008 TE_{127}	>48.	>0.2	1	
312541 2009 EU_{26}	15.516	0.32	2	DWF
312546 2009 FV_{19}	>5.38	>0.32		SWF
312641 2010 BF_{52}	13.868	0.70	2	SWF
312645 2010 EP_{65}	14.97	0.17	2− A	
312662 2010 LZ_{11}	14.826	0.40	2	SWF
312708 2010 PJ_{44}	35.8478	0.23	2	DWF
312779 2010 VY_{33}	8.419	0.80	2	SWF
312810 2011 BZ_{125}	5.270	0.69	2	SWF
312907 2011 UZ_{327}	>1.00	>0.22		SWF
312910 2011 UT_{338}	33.7289	0.17	2	DWF
312942 1995 EK_{1}	8.444	0.45	3	
312980 1999 RK_{60}	5.49867	0.27	2	DWF
313008 1999 VD_{19}	18.406	0.53	2	DWF
313100 2000 WS_{46}	>1.28	>0.42		SWF
313188 2001 QG_{44}	227.191	0.28	2	DWF
313203 2001 RC_{7}	42.0979	0.12	2	DWF
313492 2002 VT_{2}			HN	DWF
313554 2003 BY_{61}	9.425	0.60	2	SWF
313613 2003 QP_{62}	63.3239	0.14	2	DWF
313638 2003 SC_{40}	61.2368	1.34	2	DWF
313701*2003 UN_{3}	5.266	0.63	3−	
313723 2003 US_{151}	57.3141	0.36	2	DWF
313732 2003 UV_{185}	6.19	0.81	2	SWF
313790 2003 YL_{111}	70.737	0.26	2	DWF
313847 2004 EF_{32}	2.98	0.64	2	SWF
313937 2004 RP_{99}	2.999	0.43	2	SWF
313965 2004 RQ_{343}	8.933	0.61	2	SWF
313979 2004 TN_{78}	>1.35	>0.10		SWF
314022 2004 XR_{20}	159.692	0.66	2	DWF
314093 2005 EF_{14}	9.75836	0.27	2	DWF
314110 2005 ED_{90}	82.26	0.22	2	DWF
314304 2005 SK_{134}	319.961	0.30	2	DWF
314369 2005 UH_{40}	3.99	0.21	2	SWF
314370 2005 UZ_{40}	>1.35	>0.30		SWF
314561 2005 YK_{168}	4.839	0.68	2	SWF
314604 2006 BN_{57}	>2.65	>0.32		SWF
314616 2006 DF_{104}	7.81	0.32	2 H	DWF
314639 2006 JX_{28}	>5.40	>0.46		SWF
314929 2006 WC_{53}	14.6277	0.15	2	DWF
314947 2006 WV_{111}	19.108	0.49	2	SWF
314955 2006 WP_{143}	24.4392	0.21	2	DWF
315000 2007 AY_{19}			HN	DWF

Planet	Period	Variation	Note		Survey
315019 2007 BW_{48}	2.590	0.39	2		SWF
315098 2007 EX	2.447	0.20	3−		
315110 2007 EL_{37}	>4.35	>0.41			SWF
315140 2007 EO_{129}	>3.72	>0.35			SWF
315251 2007 SJ_{11}	>4.23	>0.40			SWF
315284 2007 TW_{124}	8.54	0.50	1+	DA	SWF
315307 2007 TE_{216}	6.44	0.82	2		SWF
315369 2007 VG_{6}	9.30	1.11	3		SWF
315373 2007 VS_{38}				HN	DWF
315405 2007 VZ_{183}	5.21984	0.40	2		DWF
315530 2008 AP_{129}	9.04	0.12	2	A	
316094 2009 LA_{7}	18.0083	0.25	2		DWF
316113 2009 PV_{16}	>2.70	>0.42			SWF
316114 2009 QY_{5}	73.8632	0.56	2		DWF
316241 2010 OX_{28}	29.612	0.59	2		SWF
316249 2010 OL_{55}	135.030	0.47	2		SWF
316255 2010 OG_{88}	57.1946	0.24	2		DWF
316287 2010 RG_{2}	4.92	0.52	2−		SWF
316495 2010 VV_{99}	5.186	0.42	2		SWF
316720 1998 BE_{7}	6.6769	0.95	3		
316762 1999 TK_{33}	5.846	0.15	1		SWF
316774 1999 TG_{79}	14.001	0.25	2		SWF
316872 2000 QO_{192}	38.4924	0.18	2		DWF
316878 2000 RF_{91}	14.0477	0.59	2		DWF
316927 2000 YF_{45}	6.294	0.49	2		SWF
316933 2001 AV_{50}	3.564	0.65	2		SWF
316945 2001 DF_{8}	2.41122	0.28	2		DWF
316983 2001 HD_{57}	7.526	0.68	2		SWF
316988 2001 MN_{26}	19.9015	0.46	2	1	DWF
317005 2001 PK_{67}	76.5318	0.18	2		DWF
317067 2001 SO_{202}	>3.72	>0.41			SWF
317119 2001 TJ_{255}	>1.78	>0.26			SWF
317150 2001 UC_{228}		1.7		I	
317206 2002 CY_{1}	27.798	0.28	2		DWF
317285 2002 FE_{9}	5.71	1.40	2		SWF
317327 2002 JV_{26}	6.014	0.43	2		SWF
317425 2002 QW_{10}	382.22	0.35	2		DWF
317478 2002 RF_{216}	6.783	0.54	2		SWF
317563 2002 VD_{62}	206.82	0.30	2	A	DWF
317565 2002 VR_{73}	8.538	0.22	2		SWF
317640 2003 ER_{23}	7.16	0.80	2		SWF
317721 2003 QR_{43}	6.04	0.93	2		SWF
317791 2003 SF_{172}	5.75	0.79	2+		SWF
317797 2003 SN_{183}	12.16	0.56	1+	DA	SWF
317817 2003 SO_{264}	>1.78	>0.14			SWF
317910 2003 UN_{269}	5.11	0.23	1+		SWF
317932 2003 WC_{2}	5.96	0.83	1+	DA	SWF
318015 2004 DG_{4}	522.101	0.20	2		DWF
318261 2004 SF_{10}	5.065	0.56	2		SWF
318271 2004 SO_{53}	7.891	0.45	2		SWF
318279 2004 TF_{31}	27.276	0.27	2		DWF
318388 2004 XE_{30}	>1.0	>0.09			SWF
318411 2005 AH_{14}	9.65	0.18	2		
318465 2005 EK_{33}	56.2728	0.40	2		DWF
318484 2005 EA_{98}	11.5978	0.31	2		DWF
318493 2005 EA_{121}	258.875	0.25	2		DWF
318662 2005 NC_{49}	60.6704	0.17	2		DWF
318745 2005 SJ_{11}				HN	DWF
318776 2005 SC_{92}	13.5473	0.31	2		DWF
318941 2005 UR_{143}	8.18	0.60	1+	DA	SWF
318986 2005 UR_{365}	3.92	0.73	2		SWF
319017 2005 UU_{511}	2.45	0.05	1+		
319034 2005 VZ_{49}	2.88	0.39	2		SWF
319177 2005 YW_{117}				HN	DWF
319262 2006 BX_{5}	8.155	0.43	2		SWF
319269 2006 BU_{41}	>3.72	>0.47			SWF
319394 2006 ET_{69}	266.075	0.22	2		DWF
319425 2006 HM_{98}	>4.95	>0.36			SWF
319523 2006 RB_{39}	2.514	0.12	1		SWF
319534 2006 RJ_{60}	2.6421	0.13	1		SWF
319609 2006 SE_{238}	>4.95	>0.43			SWF
319633 2006 SJ_{366}	4.541	0.29−0.50	2		SWF
319666 2006 TD_{43}	3.740	0.59	2		SWF
319692 2006 TJ_{105}	>1.97	>0.27			SWF
319808 2006 VN_{50}	4.40921	0.32	2		DWF
319828 2006 VU_{117}	>4.38	>0.33			SWF
319833 2006 VU_{134}	362.886	0.25	2		DWF
319950 2007 BJ_{32}	>3.72	>0.47			SWF
320021 2007 DQ_{74}	>4.35	>0.88			SWF
320045 2007 DQ_{116}	4.640	0.39	2		SWF

Planet	Period	Variation	Note		Survey
320125 2007 EQ_{185}	9.0	0.48	2	A	
320144 2007 EY_{219}	6.884	0.50	2		SWF
320292 2007 RO_{221}	1.57	0.97	1+		SWF
320399 2007 UY_{105}	16.108	0.47−0.57	2		SWF
320404 2007 UF_{119}	7.68	0.92	1	DA	SWF
320618 2008 CN_{27}	9.754	0.67	2		SWF
320822 2008 FH_{27}	12.783	0.67	2		SWF
320829 2008 FY_{43}	6.72919	0.20	2		DWF
320862 2008 FF_{126}	>5.42	>0.36			SWF
321024 Gijon	4.021	0.71	2		SWF
321110 2008 TF_{94}	>2.02	>0.36			SWF
321141 2008 UD_{176}				HN	DWF
321184 2008 WM_{114}	4.49	0.61	2		SWF
321317 2009 HJ_{52}	17.3758	0.34	2		DWF
321366 2009 OE_{2}	7.40277	0.17	2		DWF
321436 2009 QF_{45}	24.2216	0.18	2		DWF
321515 2009 SK_{201}	14.12	0.61	2		SWF
321611 2009 VG_{58}		1.00		I	
321659 2010 CS_{20}	4.34	0.53	2		SWF
321706 2010 GA_{3}	6.26	0.17	2	A	
321779 2010 OT_{82}	6.400	0.77	2		SWF
321801 2010 PA_{67}	14.8078	0.16	2		DWF
321974 2010 UF_{34}	15.473	0.66	2		SWF
321979 2010 UM_{45}	6.424	0.57	2		SWF
321990 2010 UE_{63}	32.297	0.62	2		SWF
321994 2010 UY_{74}	67.398	0.43	2		SWF
322028 2010 VO_{20}	17.0788	0.17	2		DWF
322041 2010 VN_{39}	>1.50	>0.21			SWF
322046 2010 VT_{57}	28.1671	0.50	2	1	DWF
322237 2011 BV_{114}	5.65	0.67	2		SWF
322266*2011 ES_{25}	14.148	0.20−0.89	2		SWF
322290 2011 FV_{42}	>5.48	>0.30			SWF
322317 2011 GB_{2}				HN	DWF
322375 2011 LQ_{22}	5.068	0.56	2		SWF
322377 2011 LJ_{26}	7.41	0.34	2−		
322401 2011 QC_{97}	21.13	0.48	2		SWF
322418 2011 SX_{102}	4.687	0.54	2		SWF
322436 2011 SP_{247}	6.2	0.21	2	A	
322494 2011 UN_{322}	7.277	0.61	2		SWF
322631 1998 QA_{103}	18.3895	0.45	2		DWF
322652 1999 JO_{8}	2.386	0.11	3	N	
322656 1999 LV_{35}	8.956	0.29	2		SWF
322658 1999 RF_{31}	5.383	0.53	2		SWF
322660 1999 RT_{161}	4.377	0.41	2		SWF
322672*1999 TE_{221}	42.946	0.96	2		SWF
322719 2000 QT_{170}	31.339	0.84	2		SWF
322725 2000 SM_{47}	9.304	0.77	2		SWF
322777 2001 KL_{43}	46.893	0.81	2		SWF
322799 2001 QE_{278}	60.0182	0.45	2		DWF
322813 2001 SG_{55}	42.7716	0.30	2		DWF
322831 2001 SE_{341}	10.509	0.23	2		DWF
322852 2001 UU_{31}	9.24784	0.28	2	A	DWF
322869 2001 UV_{192}	9.14446	0.50	2		DWF
322897 2001 YH_{3}	6.98743	0.47	2		DWF
322937 2002 GG	>1.9	>0.32			SWF
322944 2002 GJ_{114}	4.62	0.70	3−		SWF
322974 2002 LR_{60}	56.1605	0.32	2		DWF
322986 2002 NN_{72}	>3.02	>0.33			SWF
323180 2003 HZ_{32}	18.472	0.38	2		SWF
323194 2003 QA_{45}	6.337	0.71	2		SWF
323195 2003 QS_{48}	4.454	0.65	2		SWF
323218 2003 SL_{54}	6.275	0.44	2		SWF
323324 2003 UL_{135}	4.389	0.78	2		SWF
323416 2004 EE_{1}	56.127	0.77	2		SWF
323454 2004 HL_{55}	5.060	0.76	2		SWF
323485 2004 PO_{8}	6.501	0.44	2		SWF
323543 2004 RX_{279}	14.72	0.13	2		SWF
323655 2005 CF_{33}	43.042	0.40	2		SWF
323811 2005 RL_{24}	14.2356	0.63	2		DWF
323823 2005 SR_{33}	5.308	0.79	2		SWF
323894 2005 SS_{287}	14.791	0.59	1	NA	
323943 2005 UW_{16}	17.226	0.77	2		SWF
323989 2005 UY_{203}	6.40	0.75	1+	DA	SWF
324396 2006 SR_{53}	5.43	0.49	2		SWF
324405 2006 ST_{160}	11.466	0.52	2		SWF
324454 2006 TV_{124}	7.995	0.56	2		SWF
324469 2006 UC_{55}	52.9963	0.34	2		DWF
324526 2006 VX_{113}	10.458	0.45	2		SWF
324798 2007 HO_{20}	6.08	1.31	2−		SWF
324947 2007 YY_{13}	4.67217	0.24	2		DWF

Planet	Period	Variation	Note		Survey
325132 2008 EX_{129}	22.208	0.36	2		DWF
325136 2008 ED_{149}	608.048	0.38	2		DWF
325269 2008 GL_{118}	4.73	0.87	1		SWF
325271 2008 GO_{120}	36.0347	0.41	2		DWF
325391 2008 UM_{361}	182.714	0.32	2		DWF
325698 2009 UP_{39}	4.05	0.58	2		SWF
325769 2010 LY_{63}		>0.8			
325771 2010 MC_{67}	3.317	0.19	2		SWF
325795 2010 RJ_{67}	93.0694	0.53	2		DWF
325836 2010 SP_{38}	2.522	0.38	2		SWF
325862 2010 TB_{117}	44.900	0.09	1		SWF
325929 2010 VB_{17}	360.405	0.68	2		SWF
325940 2010 VF_{45}	13.7982	0.45	2		DWF
325969 2010 VN_{133}	4.42	0.89	2		SWF
326093 2011 BZ_{88}	5.531	0.66	2		SWF
326131 2012 AM_{19}	>5.33	>0.14			SWF
326242 2012 DS_{21}	1.04	0.35	1+		SWF
326291 1998 HM_{3}	7.908	0.32−0.35	3	T?	
326317 1999 VN_{23}	2.98	0.18−0.22	2		
326352 2000 SD_{263}	3.50	0.42	2		SWF
326366 2000 WV_{21}	306.695	0.72	2		SWF
326396 2001 RZ_{37}	134.107	0.73	2		DWF
326432 2001 UG_{34}	8.80773	0.56	2		DWF
326547 2002 PV_{47}	7.333	0.49	2		SWF
326609 2002 RR_{53}	5.25	0.96	2		SWF
326641 2002 SZ_{31}	4.80	0.78	1+		SWF
326683 2002 WP	6.262	1.13−1.42	3		
326694 2003 AN_{20}	4.080	0.37	2		SWF
326698 2003 AD_{78}	4.95	1.10	2		SWF
326700 2003 BM_{2}	4.254	0.20	2		SWF
326732*2003 HB_{6}	9.436	0.10−0.19	2+		
326742*2003 QN_{47}	0.61080	0.56	3		
326777 2003 SV_{222}	28.01	0.14	2		
326846 2003 UD_{130}	6.260	0.31	2		SWF
326869 2003 UF_{250}				HN	DWF
326872 2003 UA_{295}	4.92	0.75	2+		SWF
326912 2003 WM_{172}	12.63	0.47	2−	DA	SWF
326918 2003 YC_{36}	33.9674	0.37	2		DWF
327192 2005 MH_{22}	7.80	0.79	2		SWF
327241 2005 SQ_{21}	5.890	0.24	2		SWF
327340 2005 UP_{169}	>4.95	>0.18			SWF
327416 2005 VF_{112}	5.285	0.86	2		SWF
327488 2005 YM_{147}	3.64	0.89	2+		SWF
327620 2006 GO_{41}	9.659	0.40	2		DWF
327635 2006 PZ_{6}	7.14	0.55	2		SWF
327649 2006 QT_{26}	5.8299	0.86	3		
327655 2006 QF_{59}	2.532	0.16	2		SWF
327672 2006 RO_{11}	>1.97	>0.14			SWF
327749 2006 TA_{69}	463.658	0.83	2		SWF
327753 2006 TX_{77}	>1.33	>0.16			SWF
327757 2006 UW_{7}	3.90	0.54	2		SWF
327937 2007 DE_{113}	4.36	0.90	2−		SWF
328043 2007 LW_{32}	3.6931	0.21	2		DWF
328070 2007 VD_{310}	>1.93	>0.19			SWF
328078 2007 XR_{31}	5.03	0.28	2		SWF
328247 2008 FM_{100}	146.191	0.20	2		DWF
328395 2008 RC_{129}	4.23	0.92	2−		SWF
328414 2008 SP_{126}	3.47	0.67	2		SWF
328736 2009 UC_{12}	6.292	0.90	2		SWF
329009 2010 XD_{68}	23.7659	0.19	2		DWF
329240 2012 FZ_{36}	749.63	0.62	2		DWF
329281 1999 VQ_{172}	157.857	0.49	2		DWF
329310 2000 SF_{68}	5.157	0.74	2		SWF
329311 2000 SW_{89}	2.8879	0.25	2		DWF
329312 2000 SA_{130}	4.934	0.19	2		SWF
329329 2000 WW_{37}	2.828	0.15	2		SWF
329330 2000 WD_{51}	53.1581	0.27	2		DWF
329338 2001 JW_{2}	>12.	0.15	2		
329346 2001 QW_{292}	>1.78	>1.02			SWF
329352 2001 SN_{160}	5.532	0.52	2		SWF
329365 2001 UA_{107}	5.082	0.53	2		SWF
329382 2001 XH_{39}	5.94252	0.24	2	1	DWF
329435 2002 OM_{11}	6.12689	0.36	2		DWF
329437 2002 OA_{22}	2.6214	0.19−0.41	3		
329586 2002 XY_{118}				HN	DWF
329614 2003 KU_{2}	3.278	0.30	3−		
329627 2003 RP_{24}	12.653	0.71	2		SWF
329645 2003 SK_{178}	2.40	0.36	2		SWF
329687 2003 UM_{197}	6.272	0.54	2		SWF
329691 2003 UN_{211}	325.263	0.43	2		DWF

Planet	Period	Variation	Note		Survey
329712 2003 WV_{5}	9.32	0.65	2		SWF
329770 2004 JA	52.1	>0.4	2	NT0	
329831 2004 RT_{324}	7.424	0.69	2		SWF
329841 2004 TW_{46}	2.843	0.39	2		SWF
329855 2004 TD_{308}	5.124	0.67	2		SWF
329892 2005 GB_{30}	3.87	0.17	1+		SWF
330274 2006 SK_{147}	6.055	0.30	2−		SWF
330305 2006 TA_{76}				HN	DWF
330334 2006 UV_{219}	7.26482	0.37	2		DWF
330372 2006 WU_{94}				HN	DWF
330388 2006 XS_{51}	7.20	0.75	1+	DA	SWF
330479 2007 FL_{49}	1.84837	0.23	2		DWF
330502 2007 LK_{13}	15.9873	0.35	2		DWF
330555 2008 BA_{19}	3.6		1+	N	
330597 2008 DO_{6}	2.31	0.48	1+		SWF
330606 2008 DF_{48}	5.08	1.24	3−		SWF
330684 2008 HJ_{46}	3.47	0.51	2		SWF
330698 2008 KT_{12}	5.073	0.59	2		SWF
330711 2008 OM_{14}	6.072	0.34	2		SWF
330820 2008 WH_{62}	91.363	0.48	2		SWF
330824 2008 WZ_{136}	5.036	0.39−0.40	2		SWF
330825 2008 XE_{3}	4.409	0.15−0.23	3−		
330859 2009 QP_{29}	239.194	0.28	2		DWF
331090 2009 WO_{171}	38.994	0.54	2		SWF
331118 2010 UE_{53}	18.678	0.49	2		SWF
331132 2010 VJ_{82}	6.32	1.06	2+		SWF
331179 2011 AC_{35}	4.884	0.28	2		SWF
331230 2011 BR_{81}	>5.40	>0.24			SWF
331361 2012 DY_{17}	8.18001	0.23	2		DWF
331406 2012 FX_{43}	149.662	0.21	2		DWF
331471 1984 QY_{1}	45.5	0.46−0.65	2	T	
331570 2001 QS_{67}	11.166	0.56−0.63	2		SWF
331600 2001 VH_{89}	64.302	0.31	2		DWF
331605 2001 XB_{5}	108.69	0.34	2	1	DWF
331644 2002 NN_{58}	25.53	0.59	2		SWF
331711 2002 RF_{186}	7.324	0.90	2		SWF
331733 2002 TS_{138}	34.8825	0.41	2		DWF
331806 2003 SA_{15}				HN	DWF
332019 2005 NP_{122}	268.582	0.41	2		SWF
332021 2005 OA_{3}	184.499	0.65	2		DWF
332029 2005 PQ_{10}				HN	DWF
332067 2005 SG_{132}	52.9987	0.28	2		DWF
332149 2005 YT_{41}				HN	DWF
332190 2006 BR_{277}	321.608	0.91	2		SWF
332219 2006 GJ_{44}	9.746	0.60	2		SWF
332254 2006 MZ_{2}	58.6639	0.39	2	1	DWF
332360 2007 EA_{45}	23.4831	0.38	2		DWF
332411 2007 PJ_{6}	13.5959	0.15	2		DWF
332477 2008 ED_{83}	13.52	1.12	2−		SWF
332485 2008 EP_{136}				HN	DWF
332524 2008 LP_{4}	7.23	0.79	2		SWF
332653 2008 UN_{255}	89.4388	0.32	2		DWF
332660 2008 WL_{7}	2.54	0.10	2		
332696 2009 RM_{19}	3.97	0.32	2		SWF
332747 2009 TM_{23}	8.113	0.69	2		SWF
332841 2010 EA_{6}	198.653	0.74	2		SWF
332847 2010 FA_{30}	8.394	0.44−0.71	2		SWF
332886 2011 AH_{54}				HN	DWF
332984 2011 FG_{67}	1.59	0.40	1		SWF
333277 1996 XM_{23}	49.808	0.72	2		SWF
333284 1999 PJ_{1}	6.2013	1.1	3	N	
333318 2001 OK_{113}	13.0434	0.33	2	A	DWF
333319 2001 PD_{17}				HN	DWF
333322 2001 QG_{26}	7.74	1.06	2		SWF
333325 2001 QW_{148}	2.37	0.16	2		SWF
333356 2001 UK_{188}	3.13	0.47	2		SWF
333358 2001 WN_{1}	3.21	0.10	1+		
333406 2002 TW_{375}	2.84	0.56	2		SWF
333524 2005 QM_{17}	6.59	0.70	2		SWF
333549 2005 UQ_{97}				HN	DWF
333578 2006 KM_{103}	5.737	0.58−0.71	2+		
333663 2008 SZ_{240}	>5.15	>0.38			SWF
333733 2009 VV_{71}	2.133	0.09	1		SWF
333855 1995 SD_{37}	5.772	0.70−0.77	2		SWF
333887 1998 RX_{50}	3.914	0.20−0.33	2		SWF
333888 1998 ST_{4}	5.316	0.64	3		
333889 1998 SV_{4}	2.817	0.27	2		
333915 1999 TR_{115}	5.082	0.67−0.79	2		SWF
333967 2000 FO_{48}				HN	DWF
334017 2000 WP_{5}	>4.57	>0.37			SWF

Planet	Period	Variation	Note		Survey
334027 2000 XY_{17}	32.5234	0.49	2		DWF
334033 2000 YT_{113}	16.529	0.64−0.71	2		SWF
334101 2001 QC_{208}	64.5652	0.36	2		DWF
334150 2001 RA_{129}	5.294	0.49−0.51	2		SWF
334155 2001 RZ_{152}	5.63477	0.36	2		DWF
334202 2001 SS_{291}	7.040	0.70−0.99	2		SWF
334206 2001 SL_{304}	12.97	0.91	2		SWF
334218 2001 SW_{351}	29.9701	0.53	2	A3	DWF
334229 2001 TJ_{60}	9.201	0.42	2		SWF
334293 2001 UX_{202}	6.345	0.55−0.80	2		SWF
334294 2001 UC_{219}	2.86	0.15	2		SWF
334301 2001 VM_{55}	5.096	0.57	2		SWF
334460 2002 PR_{19}	5.667	0.63	2		SWF
334468 2002 PA_{132}	5.166	0.63	2		SWF
334527 2002 RG_{189}	28.279	0.93	2		SWF
334643 2002 WF_{1}	4.99327	0.51	2		DWF
334656 2002 XT_{46}	8.63067	0.17	2		DWF
334673 2003 AL_{18}	2.4840	0.18	2	N	
334689 2003 BN_{50}	5.24	0.65	1	DA	SWF
334707 2003 FH_{45}	>1.78	>0.39			SWF
334773 2003 SR_{96}		0.2			
334867 2003 UH_{150}	>5.37	>0.31			SWF
334904 2003 WL_{167}	1.59	0.58	1+		SWF
334934 2004 BB_{39}				HN	DWF
334997 2004 GA_{8}	>1.33	>0.17			SWF
334998 2004 GB_{8}				HN	DWF
335019 2004 NC_{16}	25.6082	0.45	2	A	DWF
335029 2004 QU	7.296	0.44	2		SWF
335037 2004 RP_{11}				HN	DWF
335102 2004 TF_{147}				HN	DWF
335110 2004 TE_{168}	3.84	0.45	2		SWF
335154 2004 XG_{59}	3.771	0.16	2		SWF
335163 2004 XZ_{102}	1.90931	0.45	2		DWF
335177 2005 AY_{55}				HN	DWF
335179 2005 AD_{77}	2.44	0.31	2		SWF
335196 2005 EA_{65}				HN	DWF
335293 2005 PL_{8}				HN	DWF
335309 2005 QM_{37}	>1.07	>0.11			SWF
335342 2005 SB_{23}	5.56	0.31	2		SWF
335350 2005 SZ_{53}	>1.15	>0.47			SWF
335351 2005 SU_{64}	>2.70	>0.34			SWF
335409 2005 TP_{115}				HN	DWF
335433 2005 UW_{163}	1.290	0.51−0.70	3		
335445 2005 UV_{354}	6.304	0.60−0.68	2		SWF
335491 2005 XR_{24}	7.747	0.53	2		SWF
335493 2005 XU_{55}	8.990	0.36	2		SWF
335560 2006 BT_{228}				HN	DWF
335582 2006 DJ_{29}				HN	DWF
335689 2006 WQ_{102}	35.255	0.59	2		SWF
335742 2007 EW_{11}	5.78	0.58−0.96	2		SWF
335744 2007 EQ_{16}	6.15	0.75	2−		SWF
335748 2007 EH_{44}	6.155	0.42−0.64	2		SWF
335782 2007 FR_{4}	3.29	0.25	2		SWF
335786 2007 FM_{33}	8.70	0.78	2		SWF
335917 2007 SV_{14}	5.151	0.54	2		SWF
335920 2007 SW_{18}	13.163	0.53	2		SWF
335991 2007 TR_{307}				HN	DWF
336012 2007 TP_{421}	51.336	0.17	2	A	DWF
336037 2007 VM_{234}	9.15	1.04	2		SWF
336044 2007 WB_{3}				HN	DWF
336110 2008 JY_{20}				HN	DWF
336131 2008 PH_{11}	>1.9	>0.27			SWF
336184 2008 RN_{107}	3.196	0.67	2		SWF
336289 2008 SB_{282}	15.502	0.71	2		SWF
336332 2008 TB_{87}	4.603	0.53−0.57	2		SWF
336360 2008 TZ_{184}				HN	DWF
336498 2008 WU_{48}				HN	DWF
336509 2008 WS_{125}	20.885	0.24	2		DWF
336524 2008 YM_{80}	319.555	0.19	2	A	DWF
336526 2008 YJ_{93}				HN	DWF
336529 2008 YR_{122}	30.6234	0.18	2		DWF
336580 2009 SY_{185}	>4.35	>0.24			SWF
336609 2009 UV_{56}				HN	DWF
336693 2010 AA_{81}	49.4633	0.23	2		DWF
336751 2010 GE_{116}	7.80	1.05	2		SWF
336753 2010 HK_{85}	11.383	0.69	2		SWF
336783 2011 CS_{16}	5.90	0.80	2		SWF
336824 2011 EU_{41}	45.313	0.75	2		SWF
336826 2011 EJ_{54}	>5.20	>0.68			SWF
336898 2011 GW_{77}	47.6167	0.43	2	A	DWF
336931 2011 HJ_{59}	107.901	0.50	2	A	DWF
337056 1997 EA_{10}	>5.33	>0.13			SWF
337069 1998 FX_{134}	7.487	0.46	3		
337084*1998 SE_{36}	11.855	0.96−1.22	3		
337129 1999 TY_{72}	>3.72	>0.28			SWF
337226 2000 EL_{98}	1.87	0.53	1		SWF
337248 2000 RH_{60}	25.2	0.35	2		
337263 2000 SZ_{215}	>1.28	>0.24			SWF
337275 2000 UD_{77}	>0.7	>0.18			SWF
337391 2001 QR_{157}	10.399	0.09	1		SWF
337400 2001 QQ_{186}	7.371	0.48	2		SWF
337415 2001 QH_{281}	50.3822	0.66	2	A	DWF
337549 2001 SL_{256}	>1.9	>0.48			SWF
337680 2001 TR_{209}	4.97	0.34	2		SWF
337702 2001 TZ_{259}	>2.30	>0.22			SWF
337773 2001 UX_{163}	5.293	0.95	2		SWF
337824 2001 VG_{28}	2.548	0.41	2		SWF
337866*2001 WL_{15}	8.955	0.09−0.25	2+		
337867 2001 WE_{19}	>5.42	>0.25			SWF
337990 2002 CR_{253}	5.55	0.38	2		SWF
338027 2002 GV_{148}	>3.72	>0.28			SWF
338103 2002 PV_{197}	7.74	0.77	2		SWF
338155 2002 QU_{146}	3.00	0.53	2		SWF
338176 2002 RC_{118}	9.98	0.40	2		
338237 2002 TS_{98}	5.33	0.72	2		SWF
338288 2002 UG_{13}	9.90	0.50	2		SWF
338304 2002 US_{75}	30.948	0.69	2		SWF
338358 2002 XB_{41}	2.78494	0.60	2	1	DWF
338402 2003 BH_{6}	70.9589	0.26	2	1	DWF
338429 2003 CB_{10}	>5.48	>0.45			SWF
338524 2003 QB_{97}				HN	DWF
338603 2003 ST_{180}	2.92	0.31	2		SWF
338847 2003 XZ_{21}	22.6106	0.43	2		DWF
338899 2004 CF_{93}	5.16748	0.39	2		DWF
338906 2004 DL_{26}	5.325	0.30	2		SWF
339018 2004 GO_{83}	>5.48	>0.54			SWF
339070 2004 PN_{107}	103.963	0.32	2		DWF
339088 2004 RK_{109}	8.75184	0.66	2	1	DWF
339109 2004 RT_{216}	103.586	0.38	2		DWF
339247 2004 VH_{24}	>1.28	>0.26			SWF
339255 2004 VJ_{57}	4.85	0.74	2		SWF
339277 2004 XS_{9}	>4.88	>0.26			SWF
339294 2004 XT_{44}	2.50	0.22	2		SWF
339330 2004 XH_{174}	10.79	0.93	2		SWF
339332 2004 XO_{180}	8.757	0.84	2		SWF
339388 2005 BY_{8}	5.18	0.68	2		SWF
339406 2005 CA_{35}				HN	DWF
339449 2005 ER_{189}	5.61	0.45	2		SWF
339450 2005 ED_{193}	3.71	0.54	2		SWF
339570 2005 LR_{8}	7.334	0.76	2		SWF
339597 2005 NX_{36}	64.447	0.99	2		SWF
339606 2005 OT_{3}	3.627	0.34−0.39	2		SWF
339624 2005 PA_{20}				HN	DWF
339658 2005 QC_{74}	8.356	0.08	1		SWF
339662 2005 QD_{84}	7.68	0.31	2		SWF
339663 2005 QR_{85}	7.33	0.48	2		SWF
339714*2005 ST_{1}	8.68	0.05	2−	A	
339756 2005 SQ_{73}	17.8	0.30	1+	N	
339771 2005 SL_{112}	4.95	0.71	2		SWF
339813 2005 SF_{219}	8.869	0.37	2		SWF
339824 2005 SV_{244}	6.50	0.79	2		SWF
339899 2005 TX_{182}	8.234	0.43−0.48	2		SWF
339900 2005 TW_{183}	>2.32	>0.20			SWF
340005 2005 UJ_{311}	7.38	0.95	2		SWF
340042 2005 UP_{490}					SWF
340077 2005 WP_{7}	>1.0	>0.54			SWF
340093 2005 WR_{56}	40.6583	0.27	2		DWF
340100 2005 WO_{105}	>1.15	>0.10			SWF
340128 2005 XX_{28}	>4.35	>0.30			SWF
340177 2005 YM_{182}	15.5316	0.25	2		DWF
340193 2005 YB_{268}				HN	DWF
340212 2006 AW_{69}	>1.0	>0.14			SWF
340225 2006 BR_{54}	8.869	0.50	2+		
340256 2006 BW_{139}	11.71	0.50	2		
340295 2006 CX_{7}	4.97832	0.44	2	A	DWF
340311 2006 DY_{4}	5.55	0.86	2		SWF
340325 2006 DB_{34}	>3.72	>0.26			SWF
340341 2006 DP_{55}	7.68	0.79	2		SWF
340355 2006 DM_{91}	6.76	0.75	2		SWF
340459 2006 HA_{9}	5.376	0.85	2		SWF

Planet	Period	Variation	Note		Survey
340513 2006 JC_{15}	7.548	0.64−0.72	2		SWF
340553 2006 KP_{48}				HN	DWF
340574 2006 MG_{12}				HN	DWF
340608 2006 QA_{55}	23.7077	0.28	2	1	DWF
340618 2006 QR_{98}	6.621	0.51	2		SWF
340658 2006 RA_{17}	8.50	0.64	2		SWF
340673 2006 RV_{42}	5.128	0.40	2		SWF
340674 2006 RG_{43}	6.3	0.20	1		SWF
340916 2007 DM_{80}	2.85	0.37	2		SWF
340934 2007 EJ_{21}	>4.35	>0.28			SWF
340939 2007 EP_{39}	5.7700	0.51	2		
341096 2007 JF_{10}	5.74	0.92	2		SWF
341163 2007 PM_{49}	5.42	0.49−0.74	2		SWF
341165 2007 QO_{13}	>4.40	>0.33			SWF
341179 2007 RT_{14}	9.61465	0.29	2	1	DWF
341187 2007 RZ_{47}	3.28	1.42	2		SWF
341238 2007 RQ_{174}	>5.48	>0.29			SWF
341245 2007 RG_{191}				HN	DWF
341274 2007 RD_{281}	2.768	0.43	2		SWF
341334 2007 TW_{35}	9.858	0.70	2		SWF
341343 2007 TD_{45}	7.22	0.78	2		SWF
341369 2007 TU_{95}	>5.48	>0.54			SWF
341412 2007 TQ_{182}	164.036	0.31	2	A	DWF
341464 2007 TL_{315}	>5.20	>0.51			SWF
341520 Mors–Somnus	9.28	0.24	2	BN	
341556 2007 UX_{23}	2.67	0.46	2		SWF
341581 2007 UN_{77}	>4.95	>0.25			SWF
341638 2007 VN_{28}	>4.95	>0.29			SWF
341799 2007 XF_{23}	3.60	0.47	2		SWF
341843 2008 EV_{5}	3.725	0.03−0.15	3 p		
341880 2008 GT_{87}		1.13		I	
341896 2008 HR_{36}	>1.78	>0.44			SWF
342031 2008 RA_{108}		1.52			SWF
342051 2008 RL_{135}				HN	DWF
342067 2008 SD_{24}	>1.9	>0.30			SWF
342170 2008 SE_{177}	8.983	0.54	2		SWF
342178 2008 SJ_{184}	>1.67	>0.15			SWF
342190 2008 SV_{202}	8.89	0.27	2		SWF
342266 2008 SS_{309}	2.07	0.79	2		SWF
342293 2008 TZ_{35}	>1.33	>0.17			SWF
342331 2008 TJ_{111}	>3.72	>0.69			SWF
342396 2008 UV_{50}	6.38	0.16	2		SWF
342436 2008 UT_{93}	6.63	0.22	2		
342516 2008 UA_{199}	2.831	0.35	2		SWF
342520 2008 UW_{201}	2.92	0.27	2		SWF
342659 2008 VP_{4}	6.91	0.76	2		SWF
342849 2008 YF_{10}	4.781	0.46	2		SWF
342895 2008 YT_{100}				HN	DWF
343002 2009 BL_{76}	3.97	0.80	3−		SWF
343098 2009 DV_{42}	9.658	0.06	2		
343106 2009 DT_{69}	5.19	0.49	2		SWF
343113 2009 DB_{128}	5.85	0.65	2		SWF
343121 2009 EW_{13}	>5.40	>0.48			SWF
343133 2009 FY_{1}	11.16	0.79	2		SWF
343154 2009 HN_{18}	12.3665	0.30	2	1	DWF
343327 2010 CL_{8}	16.90	0.76	2		SWF
343345 2010 CQ_{56}	20.0523	0.49	2		DWF
343387 2010 CA_{149}	5.038	0.54−0.55	2		SWF
343424 2010 DV_{17}	15.7113	0.29	2	1	DWF
343764 2011 FO_{126}	7.68	0.42	2		SWF
343850 2011 HP_{43}				HN	DWF
343945 2011 KG_{25}				HN	DWF
343993 2011 PW_{8}		0.95		I	
343999 2011 QJ_{9}	>4.35	>0.32			SWF
344044 2012 PB_{24}	4.284	0.62−0.74	2		SWF
344049 6865 P–L	9.185	0.25−0.28	2		SWF
344146*2000 NP_{11}	7.748	0.40−0.46	2		SWF
344357 2001 WP_{90}	3.032	0.06	1		SWF
344450 2002 JJ_{120}	6.049	0.47−0.76	2		SWF
344461 2002 NK_{56}	8.35	0.64	2		SWF
344589 2003 BR_{81}	8.245	0.61	2		SWF
344597 2003 DW_{3}	10.636	0.36−0.42	2		SWF
344634 2003 OW_{31}	>3.72	>0.28			SWF
344647 2003 QT_{69}	>1.72	>1.23			SWF
344683 2003 SP_{263}	6.00	0.80	2		SWF
344723 2003 UD_{101}	3.92	1.00	2		SWF
344927 2004 TU_{62}	2.82	0.71	2		SWF
344986 2004 YT_{16}	>1.15	>0.25			SWF
345120 2005 QR_{73}	7.33	0.58	2		SWF
345165 2005 SJ_{260}	62.8751	0.21	2		DWF

Planet	Period	Variation	Note		Survey
345304 2005 WS_{197}				HN	DWF
345327 2005 YZ_{48}	>1.78	>0.40			SWF
345407 2006 BR_{260}	4.53	0.60	2		SWF
345558 2006 RP_{42}	40.	0.6	1		SWF
345646 2006 TN	3.05	0.11	2+		
345705 2006 VB_{14}	3.204	0.40−0.55	3		
345714 2006 WA_{73}	>5.05	>0.31			SWF
345781 2007 EZ_{184}	2.00	0.30	1		SWF
345804 2007 GH_{44}	22.3	0.57	2		SWF
345853 2007 PU_{11}	56.8	0.98	3	T0	
346026 2007 TM_{355}	6.40625	0.19	2		DWF
346234 2008 AZ_{59}	>5.40	>0.43			SWF
346352 2008 RM_{118}	1.22	0.63	1+		SWF
346381 2008 SD_{54}	>4.58	>0.46			SWF
346497 2008 UO_{76}	2.71	0.24	2		SWF
346610 2008 WN_{68}	4.25	0.13	2		SWF
346641 2008 XD_{12}	3.60	0.77	2		SWF
346653 2008 XC_{55}	3.60	0.52	2		SWF
346759 2009 BV_{46}	4.85	0.80	2		SWF
346762 2009 BG_{62}	>1.35	>0.12			SWF
346802 2009 BZ_{177}	5.85	0.63	2		SWF
346816 2009 CV_{51}	5.11	0.33	2		SWF
346895 2009 SN_{38}				HN	DWF
346993 2010 CT_{148}	5.113	0.54	2		SWF
347054 2010 EZ_{137}	6.644	0.92	2		SWF
347149 2011 CB_{76}	18.9732	0.18	2	1	DWF
347182 2011 GM_{15}	>5.35	>0.30			SWF
347241 2011 JC_{18}	165.486	0.45	2		DWF
347295 2011 OM_{3}	10.32	0.41	2		SWF
347336 2012 NN_{1}	3.82	0.74	2		SWF
347394 2012 SK_{1}	>0.82	>0.38			SWF
347426 2012 TZ_{2}	6.269	0.70	2		SWF
347461 2012 TW_{302}	3.09	0.45	2		SWF
347523 1999 TU_{141}	13.04	0.41	2		SWF
347524 1999 TK_{210}	33.024	0.44	2		SWF
347595 2001 QL_{35}	15.572	0.16	2	A3	DWF
347629 2001 SY_{174}	57.824	0.37	2		SWF
347707 2001 XR_{3}	73.8825	0.30	2		DWF
347784 2002 DF_{3}	32.2407	0.23	2		DWF
347806 2002 JL_{132}	3.34	0.34	2		SWF
347808 2002 LJ_{2}	9.006	0.58	2		SWF
347813 2002 NP_{1}	5.915	0.73−0.86	3		
347926 2003 CH_{17}	9.011	0.65	2		SWF
347948 2003 MW_{5}	>0.87	>0.13			SWF
347976 2003 SM_{70}	>2.02	>0.33			SWF
347980 2003 SQ_{91}	>1.97	>0.68			SWF
348016 2003 SV_{325}	12.70	0.26	2		SWF
348081 2003 WK_{80}	6.22	0.25	2		SWF
348084 2003 WO_{94}	8.65	0.95	2		SWF
348088 2003 WY_{115}	2.90	0.17	2		SWF
348102 2003 YE_{28}	>2.37	>0.25			SWF
348400*2005 JF_{21}	2.4149	0.05−0.16	3 p	M	
348431 2005 QL_{7}	4.53	0.53	2		SWF
348452*2005 RU_{20}	6.373	0.14	2		
348481 2005 SR_{163}	4.530		2−		SWF
348519 2005 UK_{53}	171.479	0.67	2		SWF
348593 2005 WF_{152}	2.93677	0.51	2		DWF
348631 2005 YN_{121}	17.513	0.83	2		SWF
348802 2006 QF_{58}	4.974	0.31	2		SWF
348834 2006 RV_{92}	6.03	0.10	1		SWF
349000 2006 UU_{240}				HN	DWF
349008 2006 UJ_{274}	126.042	0.43	2		DWF
349068 2006 YT_{13}	2.433	0.11	3		
349115 2007 GR_{36}	5.16	0.77	2		SWF
349142 2007 KO_{9}	>0.82	>0.48			SWF
349150 2007 NY_{5}	4.76436	0.41	2		DWF
349160 2007 PB_{29}	2.94	0.24	2		SWF
349243 2007 TB_{105}	6.36	0.78	2		SWF
349422 2008 AG_{29}	28.0387	0.36	2		DWF
349509 2008 QR_{5}	6.67	0.60	2		SWF
349700 2008 XG_{34}	>0.98	>0.18			SWF
349755 2009 AE_{2}	8.47	0.61	2−		SWF
349880 2009 DD_{84}	5.89	0.79	2		SWF
350007 2010 GG_{156}	>0.97	>0.68			SWF
350048 2010 OG_{30}	28.038	0.42	2		SWF
350081 2011 JR_{29}	62.8582	0.42	2	A	DWF
350230 2012 TW_{26}	57.321	0.40	2		SWF
350259 2012 TV_{155}	>1.9	>0.33			SWF
350408 2012 VS_{38}	5.17	0.43	2		SWF
350462*1998 KG_{3}	13.335	0.24	3−		

Planet	Period	Variation	Note		Survey
350988 2003 GW	9.58	0.18	2−		
351100 2003 UZ_{251}	4.92	0.30	2		SWF
351427 2005 GN_{80}	>2.60	>0.39			SWF
351564 2005 UJ_{143}	29.5085	0.17	2		DWF
351888 2006 SQ_{202}	22.64	0.58	2		SWF
351898 2006 SE_{242}	38.71	0.74	2		SWF
352068 2006 WL_{94}	>1.97	>0.37			SWF
352143 2007 LR_{32}	2.4162	0.14	3−		
352329 2007 UW_{130}	>2.75	>0.35			SWF
352331 2007 UY_{139}	>1.75	>0.27			SWF
352607 2008 EX_{92}	>1.90	>0.45			SWF
352712 2008 SM_{191}	5.699	0.61	2		SWF
353063 2009 DJ_{69}	>4.35	>0.27			SWF
353075 2009 DO_{94}	>0.88	>0.30			SWF
353215 2009 TE_{12}	>24.				
353253 2010 EQ_{42}	8.89	0.28	2		SWF
353363 2010 XP_{50}	5.403	0.31−0.36	2+	H	DWF
353504 2011 SK_{90}	>1.15	>0.37			SWF
353535 2011 SY_{166}	>1.88	>0.33			SWF
353587 2011 TK_{2}	4.53	0.39	2		SWF
353617 2011 UW_{34}	>2.70	>0.41			SWF
353778 2012 HA_{77}	5.39	0.64	2+		SWF
353785 2012 KW_{30}	49.722	0.62	2		SWF
353843 2012 VD_{35}	>4.95	>0.20			SWF
353866 2012 WN_{2}	26.5	0.5	1		SWF
353938 1998 QR_{15}	2.454	0.11	2−	N	
353952 1999 RL_{84}	13.037	0.53	2		SWF
354030 2001 RB_{18}	26.755	0.11−0.18	2	A	
354182 2002 DU_{3}	4.40	0.24	2−		
354227 2002 JR_{119}	9.964	0.25	2		SWF
354636 2005 GJ_{64}	49.0123	0.37	2	1	DWF
354952 2006 FJ_{9}	>8.	>0.15			
355136 2006 UG_{211}	4.54	0.22	2		SWF
355210 2006 YF_{33}	201.405	1.01	2		DWF
355224 2007 BO_{6}	64.5628	0.27	2		DWF
355256*2007 KN_{4}	7.152	0.37−0.43	3		
355710 2008 FA_{108}	>1.33	>0.14			SWF
355994 2009 BL_{14}	7.21	0.24	2		SWF
356102 2009 EK_{30}	20.4	0.62	1+		SWF
356195 2009 MD_{10}	4.18823	0.33	2		DWF
356261 2009 VB_{3}		1.48		I	
356471 2011 QU_{59}	12.575	0.46	2		SWF
356512 2011 ST_{60}	118.295	0.18	2	A3	DWF
356766 2011 UT_{269}	37.848	0.56	2		SWF
356954 2012 WF_{23}	>4.35	>0.47			SWF
357018 1999 VK_{163}	4.09955	0.25	2		DWF
357024 1999 YR_{14}	4.2477	0.90−1.38	3		
357056 2001 MN_{16}	5.729	0.93	2		SWF
357081 2001 SG_{37}	2.58	0.17	2		SWF
357178 2002 EV_{59}	>5.33	>0.73			SWF
357439 2004 BL_{86}	2.6205	0.07−0.17	3	B	
357574 2004 TJ_{167}				HN	DWF
357598 2004 XW_{104}	60.360	0.38	2		SWF
357622 2005 EY_{95}	3.925	0.24	3−		
357637 2005 GM_{52}	286.791	0.50	2		DWF
357796 2005 TE_{59}	2.99	0.23	2		SWF
357816 2005 TC_{191}	5.07	0.60	2		SWF
357901 2005 VT_{40}	>1.0	>0.19			SWF
357911 2005 VR_{131}	5.2737	0.36	1	NA	
358051 2006 HD_{19}	6.44508	0.12	2	A	DWF
358109 2006 KZ_{123}	56.124	0.10	1		SWF
358266 2006 TU_{97}	4.79918	0.23	2		DWF
358332 2006 VT_{65}	6.195	0.60	2		SWF
358353 2006 WZ_{103}	9.09	0.57	2		SWF
358400 2007 BD_{22}	>2.70	>0.33			SWF
358422 2007 CX_{58}	7.05098	0.50	2		DWF
358426 2007 DC_{8}	>1.0	>0.14			SWF
358438 2007 DZ_{82}	8.17372	0.30	2		DWF
358449 2007 EM_{36}	9.643	0.59	2		SWF
358605 2007 VE_{12}	8.574	0.80	2		SWF
359248 2009 FQ_{12}				HN	DWF
359287 2009 HO_{28}	16.7957	0.54	2	1	DWF
359443 2010 MK_{88}	10.6826	0.44	2		DWF
359494 2010 OP_{99}	3.723	0.33	2		SWF
359713 2011 TV_{9}	6.511	0.51	2		SWF
359760 2011 UW_{102}	>0.58	>0.04			SWF
359794 2011 UF_{198}	53.5	0.32	2		SWF
359840 2011 UW_{340}	6.54	0.60	2		SWF
359995 2012 VA_{102}	5.850	0.55	2−		SWF
360009 2012 YP_{5}	6.06977	0.47	2		DWF

Planet	Period	Variation	Note		Survey
360200 1997 UF_{8}	8.00275	0.99	2		DWF
360202 1997 WK_{27}	5.84	1.14	1	DA	SWF
360217 1999 RA_{30}	59.9291	0.39	2	1	DWF
360252 2000 HV_{53}	156.135	0.14	2		DWF
360254 2000 JU_{3}	92.230	0.58	2		SWF
360281 2000 UN_{76}	62.2132	0.33	2	1	DWF
360288 2001 BM_{3}	4.225	0.31	2		SWF
360318 2001 SA_{214}	56.0224	0.30	2		DWF
360331 2001 TU_{192}	7.32402	0.51	2		DWF
360337 2001 UR_{1}	8.26765	0.14	2		DWF
360338 2001 UO_{11}	10.392	0.12	2		DWF
360341 2001 UK_{28}	91.5919	0.35	2	1	DWF
360433 2002 JR_{9}	8.452	0.25	2	N	
360478 2002 TV_{253}	1.22662	0.38	2	1	DWF
360661 2004 RD_{76}	5.483		2−		SWF
360737 2004 TF_{368}	6.71	0.71	2		SWF
360826 2005 LM_{10}	2.98652	0.34	2		DWF
360832 2005 LX_{52}	31.2386	0.32	2	A3	DWF
360843 2005 NG_{87}	21.8426	0.18	2	1	DWF
360888 2005 SY_{102}	6.337	0.67	2		SWF
360898 2005 SW_{152}	4.48	0.50	2		SWF
360962 2005 UF_{129}				HN	DWF
361071 2006 AO_{4}	4.093	0.13−0.33	3		
361072 2006 AX_{46}	>1.43	>0.17			SWF
361175 2006 OV_{19}	2.03559	0.28	2	1	DWF
361394 2006 VX_{126}	3.668	0.58	2		SWF
361431 2006 YP_{18}	15.4013	0.13	2		DWF
361482 2007 DP_{86}	>3.72	>0.26			SWF
361653 2007 TX_{330}	>0.68	>0.33			SWF
361713 2007 VL_{303}	18.1062	0.30	2		DWF
361838 2008 DU_{14}				HN	DWF
362001 2008 UO_{43}				HN	DWF
362184*2009 FZ_{64}	10.562	0.33−0.59	2		SWF
362196 2009 HE_{9}	5.956	0.80	2		SWF
362232 2009 JL	21.6253	0.16	2	A	DWF
362248 2009 KV_{23}				HN	DWF
362255 2009 LF_{6}	2.48859	0.27	2		DWF
362326 2010 HW_{30}	4.96445	0.27	2		DWF
362466 2010 RG_{154}	>3.62	>0.45			SWF
362493 2010 TM_{25}	6.742	0.73	2		SWF
362810 2011 YG_{27}	>2.02	>0.42			SWF
362973 2013 CB_{17}				HN	DWF
363018 1996 TA_{6}	7.16	0.30	1+	DA	SWF
363027 1998 ST_{27}	3.	0.1	2	BR	
363044 1999 TY_{243}	31.775	0.10	1		SWF
363050 1999 VA_{75}	6.854	0.39	2		SWF
363067 2000 CO_{101}	5.120	0.10	2	B	
363075 2000 OG_{8}	4.0734	0.14	2	N	
363084 2000 RD_{53}	14.96	0.09	3	NT0	
363163 2001 SE_{286}	9.323	0.14	2	N	
363176 2001 TA_{127}	5.43	0.89	2		SWF
363305 2002 NV_{16}	0.9067	0.20	2		
363330*2002 PQ_{145}		0.10		N	
363394 2003 AA_{28}	8.08478	0.62	2	1	DWF
363505*2003 UC_{20}	29.6	0.88	2+	T?	
363562 2003 YQ_{12}	>0.92	>0.29			SWF
363567 2004 AH_{8}	19.977	0.56	2		SWF
363599*2004 FG_{11}	7.021	0.30	2	BR	
363620 2004 PG_{5}	3.501	0.40	2		SWF
363736 2004 XH_{66}				HN	DWF
363770 2005 EJ_{141}	>12.	>0.3	2−		
363810 2005 MN_{29}	84.7308	0.20	2	1	DWF
363814 2005 ND_{7}	6.6	0.07	1+		
363826 2005 ON_{7}	138.599	0.24	2	A	DWF
363837 2005 QN_{10}	50.0776	0.36	2		DWF
363864 2005 RT_{24}	5.25478	0.38	2		DWF
363974 2005 UV_{152}	4.51	0.40	2		SWF
364008 2005 UC_{492}	177.449	0.29	2		DWF
364024 2005 VB_{77}	6.110	0.64	2		SWF
364171 2006 JZ_{81}				BHN	
364182 2006 OF_{21}	54.4655	0.31	2		DWF
364323 2006 UE_{90}	2.498	0.19	2		SWF
364354 2006 UA_{229}	49.8072	0.29	2		DWF
364389 2006 VN_{70}	123.085	0.20	2	A	DWF
364443 2006 XN_{17}	154.353	0.48	2		DWF
364447 2006 XS_{62}	5.33325	0.22	2		DWF
364523 2007 EQ_{180}	6.76	0.65	2−		SWF
364877 2008 EM_{9}	43.6586	0.45	2		DWF
364888 2008 EN_{57}	3.91917	0.57	2		DWF
365456 2010 NX_{66}	4.47	0.47	2		SWF

Planet	Period	Variation	Note	Survey
365485 2010 PA_{64}	>5.42	>0.32		SWF
365491 2010 PD_{79}	5.71	0.67	3−	SWF
365505 2010 RB_{68}	23.039	0.62	2	SWF
365893 2011 WB_{3}	5.25	1.60	2	SWF
366199 2012 JL_{26}	9.980	0.46	2	SWF
366205 2012 RX_{7}			HN	DWF
366221 2012 TH_{232}	3.61	0.61	2	SWF
366279 2013 AD_{91}	>1.0	>0.15		SWF
366326 2013 EW_{39}	109.611	0.58	2	SWF
366343 1994 LC_{1}	2.406	0.13	3	
366387 2001 CT_{20}	7.707	0.41	2	SWF
366460 2002 CB_{31}	15.4053	0.23	2	DWF
366593 2002 UF_{21}	39.309	0.74	2	SWF
366681 2003 UV_{149}	3.499	0.44	2	SWF
366733 2004 BG_{121}	5.625	0.69	3−	
366766 2004 RR_{165}	2.44163	0.18	2	DWF
367182 2006 YC_{7}	61.5104	0.20	2	DWF
367248*2007 MK_{13}	5.286	1.40−2.17	3	
367464 2009 BW_{172}	>5.42	>0.42		SWF
367511 2009 NZ	32.1793	0.17	2 A	DWF
367606 2009 TV_{24}	41.5649	0.22	2 A3	DWF
367696 2010 RT_{126}	6.402	0.38	2	SWF
367909 2012 BU_{58}	>5.40	>0.28		SWF
367922*2012 BG_{133}	19.951	0.33	3−	
367943 Duende	8.724	1.02−1.79	3 p T	
367971 2012 DZ_{96}	16.14	0.90	1 DA	SWF
368099 2013 CP		0.9	I	
368104 2013 EK_{86}	146.267	0.47	2	DWF
368116 2013 GU_{92}	319.883	0.25	2	DWF
368153 1995 UX_{1}	10.95	0.53	2	
368174 2000 AT_{215}	5.39	0.95	2	SWF
368176 2000 BQ_{12}			HN	DWF
368194 2000 WO_{4}	2.691	0.09	1	SWF
368242 2001 VN_{10}	4.576	0.46	2	SWF
368277 2002 JX_{9}	4.550	0.65	2	SWF
368278 2002 JZ_{100}	43.3135	0.26	2− A	DWF
368280 2002 LK_{55}	32.877	0.76	2	SWF
368375 2002 RG_{71}	3.216	0.31	2	SWF
368401 2002 TP_{50}	91.943	0.09	1	SWF
368411 2002 TA_{166}	77.598	0.56	2	SWF
368416 2002 TK_{237}	58.948	0.33	2	SWF
368429 2002 UP_{16}	4.666	0.66	2	SWF
368467 2003 SB_{146}	7.466	0.62	2	SWF
368471 2003 SU_{185}	4.588	0.47	2	SWF
368477 2003 SX_{253}	9.722	0.76	2	SWF
368536 2003 WH_{115}	5.534	0.74	2	SWF
368577 2004 PZ_{42}	2.899	0.47	2	SWF
368585 2004 QV_{20}	6.864	0.34	2	SWF
368605 2004 RA_{212}	29.812	0.42	2	SWF
368632 2004 XM_{18}	3.601	0.18	2	SWF
368664 2005 JA_{22}	31.7	0.92	2+ T?	
368752 2005 UB_{481}	29.8729	0.31	2	DWF
368758 2005 VK_{6}	48.314	1.13	2	SWF
368884 2006 SL_{55}	>5.40	>0.21		SWF
369219 2008 UY_{92}	24.0865	0.14	2	DWF
369236 2008 UR_{362}	9.647	0.88	2	SWF
369243 2008 WJ_{69}	15.015	0.42	2	SWF
369451 2010 CV_{249}	5.9	0.51	2−	SWF
369498 2010 VQ_{14}	6.179	0.43	2	SWF
369598 2011 CF_{31}	3.19	0.41	2−	SWF
369686 2012 BL_{28}	17.252	0.62	2	SWF
369941 2013 GW_{72}	6.023	0.39	2	SWF
369984 1998 QR_{52}	234.	0.88	3 NT-	
370019 2000 EW_{33}	4.57	0.32	1+	SWF
370043 2000 SX_{81}	198.331	0.28	2	DWF
370180 2002 CR_{34}	18.982	0.28	2	SWF
370227 2002 OC_{27}	3.926	0.57	2	SWF
370233 2002 PY_{90}	7.691	0.74	2	SWF
370273 2002 QU_{59}	6.274	0.54	2	SWF
370307 2002 RH_{52}	4.218	0.09−0.78	3	
370315 2002 RP_{112}	13.982	0.21	2	SWF
370353 2002 RK_{277}	>3.97	>0.32		SWF
370375*2002 TU_{74}	67.135	0.25−0.57	2	SWF
370376 2002 TN_{84}	7.461	0.56	2	SWF
370382 2002 TW_{122}	5.648	0.81	2	SWF
370396 2002 TU_{170}	4.072	0.51	2	SWF
370486 2003 QD_{73}	17.072	0.57	2	SWF
370498 2003 SD_{36}	4.703	0.35	2	SWF
370499 2003 SC_{55}	4.287	0.93	2	SWF
370500 2003 SA_{61}	40.629	0.57	2	SWF
370677 2004 EK_{62}	>5.18	>0.54		SWF
370702 2004 NC_{9}	7.526	0.52	2−	
370712 2004 QK_{5}	46.265	0.58	2	SWF
370718 2004 RY_{11}	21.899	1.01	2	SWF
370746 2004 RZ_{162}	4.272	0.27	2	SWF
370913 2005 JG_{86}	>5.42	>0.23		SWF
371012 2005 UT_{16}	>5.28	>0.67		SWF
371082 2005 UY_{383}	19.034	0.25	2 A	DWF
371090 2005 UB_{444}	15.018	0.77	2	SWF
371115 2005 VS_{98}	12.246	0.72	2	SWF
371135 2005 WJ_{118}	3.880	0.35	2	SWF
371166 2005 YT_{31}	7.50	0.49	2	SWF
371414 2006 SZ_{48}	5.254	0.13	1+	SWF
371458 2006 SR_{355}	>5.42	>0.19		SWF
371459 2006 SH_{361}	29.820	0.36	2	SWF
371486 2006 TT_{66}	31.063	0.76	2	SWF
371549 2006 VF_{2}	14.656	0.26	2	SWF
371599 2006 WG_{125}	2.60	0.26	2	SWF
371791 2007 OC_{6}	9.347	0.35	2	SWF
371792 2007 PP_{1}	6.700	0.51	2	SWF
372018 2008 LU_{17}	3.162	0.27	2	SWF
372020 2008 OC_{12}	4.87	0.45	1	SWF
372243 2008 US_{133}	10.676	0.50	2	SWF
372310 2008 WR_{94}	39.652	0.59	2	SWF
372339 2009 DS_{82}	5.78	0.85	2−	SWF
372371 2009 MK	16.147	0.54	2	SWF
372435 2009 SE_{49}	6.698	0.70	2	SWF
372491 2009 SR_{240}	12.349	0.52	2	SWF
372544 2009 TJ_{23}	7.935	0.75	2	SWF
372756 2010 CR_{15}	7.409	0.76	2	SWF
372858 2010 VB_{171}	123.541	0.39	2	SWF
372913 2011 AN_{77}	2.457	0.32	2	SWF
372918 2011 BW_{5}	7.11	1.04	2	SWF
372963 2011 BY_{111}	1.07	0.40	1	SWF
373145 2012 BO_{24}	5.432	0.65	2	SWF
373427 1999 RB_{252}	43.199	0.57	2	SWF
373438 1999 TK_{176}	7.029	0.10	1+	SWF
373479 2000 SQ_{291}	14.762	0.50	2	SWF
373516 2001 RS_{134}	13.957	0.67	2	SWF
373533 2001 TF_{11}	7.27	0.61	2	SWF
373534 2001 TR_{169}	5.064	0.89	2	SWF
373567 2001 XT_{105}			HN	DWF
373580 2002 AU_{48}	7.778	0.74	2	SWF
373600 2002 CA_{217}	6.12	1.01	2	SWF
373673 2002 QM_{114}	5.691	0.55	2	SWF
373682 2002 RT_{5}	30.366	0.66	2	SWF
373689 2002 RN_{76}	13.636	0.80	2	SWF
373814 2002 VU_{141}	10.083	0.47	2	SWF
373832 2002 XO_{87}	34.591	0.72	2	SWF
373855 2003 QY_{6}	13.381	0.56	2	SWF
373916 2003 UC_{137}	6.070	0.60	2	SWF
373933 2003 UP_{287}			HN	DWF
373962 2003 WM_{159}	24.271	0.20	2	DWF
373964 2003 WV_{190}			HN	DWF
373967 2003 XJ_{5}	4.292	0.38	2	SWF
374038 2004 HW	2.52	0.2	1	
374089 2004 RV_{211}	63.695	0.39	2	SWF
374102 2004 RT_{289}	58.192	0.78	2	SWF
374107 2004 SE	11.188	0.25	2	SWF
374111 2004 SU_{28}	6.853	0.52	2	SWF
374115 2004 TO_{2}	28.061	0.65	2	SWF
374158 2004 UL	38.	1.2	2 T	
374159 2004 UJ_{5}	8.010	0.43	2	SWF
374179 2004 XQ_{76}	8.922	0.63	2	SWF
374408 2005 WW_{29}	5.664	0.47	2	SWF
374438 2005 WQ_{176}	69.3553	0.28	2	DWF
374460 2005 XU_{43}	2.02	0.46	2	SWF
374500 2005 YH_{154}	53.102	0.97	2	SWF
374539 2006 BS_{56}	4.62	1.12	3−	SWF
374702 2006 RJ_{62}	194.885	0.95	2	SWF
374706 2006 RK_{92}	51.	0.4	1+	SWF
374718 2006 SS_{25}	19.736	0.65	2	SWF
374766 2006 SB_{283}	5.288	0.51	2	SWF
374770 2006 SL_{336}			HN	DWF
374779 2006 TC_{10}	10.555	0.80	2	SWF
374826 2006 UV_{193}	6.347	0.52	2	SWF
374851 2006 VV_{2}	2.425	0.2 −0.57	3 p B	
374906 2006 WG_{204}	9.484	0.43	2	SWF
374950 2007 CG_{6}	>5.40	>0.16		SWF
374984 2007 ED_{38}	>4.25	>0.40		SWF

Planet	Period	Variation	Note		Survey
375070 2007 RF_{31}	8.891	0.65	2		SWF
375090 2007 RJ_{242}	5.924	0.60	2		SWF
375101 2007 TB_{44}	15.467	0.47	2		SWF
375330 2008 RZ_{131}	4.42	0.93	2		SWF
375336 2008 SV	4.478	0.49	2		SWF
375409 2008 SK_{269}	146.063	0.31	2		DWF
375415 2008 SZ_{286}	8.42	0.61	1		SWF
375582 2008 UK_{370}	4.668	0.36	2		SWF
375695 2009 OY_{4}	5.486	0.64	2		SWF
375714 2009 QE_{9}	4.039	0.49	2		SWF
375757 2009 SV_{81}				HN	DWF
375904 2009 VJ_{105}	183.190	0.73	2		SWF
375914 2009 WV_{23}	12.716	0.39	2		SWF
375941 2009 WE_{102}	3.64	0.12	2		
375977 2009 WB_{234}	5.645	0.44	2		SWF
375993 2009 XS_{16}	>5.40	>0.57			SWF
375995 2009 XP_{24}	88.750	0.39	2		SWF
376021 2010 AQ_{76}	8.891	0.52	2		SWF
376050 2010 DW_{42}	6.96	0.81	1+		SWF
376052 2010 EH_{44}	>80.	>0.95	2−		
376059 2010 FY_{14}	116.910	0.60	2		SWF
376273 2011 FG_{44}	>4.83	>0.41			SWF
376312 2011 GV_{28}	10.91	0.57	2		SWF
376437 2012 HR_{28}	>5.42	>0.28			SWF
376453 2012 HY_{63}	>5.42	>0.21			SWF
376752 1999 VE_{14}	6.728	0.25	2		SWF
376821 2001 CL_{18}				HN	DWF
376840 2001 QG_{161}				HN	DWF
376842 2001 QM_{259}	5.162	0.31−0.48	2		SWF
376998 2002 PZ_{182}				HN	DWF
377005 2002 QO_{87}				HN	DWF
377019 2002 RY_{91}	5.09	0.88	2		SWF
377041 2002 TU_{1}	>5.30	>0.21			SWF
377097 2002 WQ_{4}	36.	0.6	1+		
377119 2002 YO_{24}	4.052	0.22	2		SWF
377147 2003 RW_{18}				HN	DWF
377173 2003 UE_{7}	>1.8	>0.10			
377176 2003 UN_{100}	17.87	0.25	2	A	DWF
377234 2004 BF_{33}				HN	DWF
377340 2004 PM_{102}	58.8186	0.22	2		DWF
377354 2004 RL_{63}				HN	DWF
377401 2004 SN_{22}	14.812	0.42	2		SWF
377458 2004 VS_{91}				HN	DWF
377470 2004 XX_{161}	19.224	0.41	2		SWF
377477 2005 BV_{33}	>3.72	>0.29			SWF
377616 2005 SO_{70}				HN	DWF
377634 2005 TL_{52}	7.477	0.79	2		SWF
377636 2005 TW_{62}				HN	DWF
377641 2005 UH_{64}	>5.42	>0.26			SWF
377697 2005 WL_{1}	43.7294	0.17	2		DWF
377732*2005 XJ_{8}	0.132	0.06	1		
377844 2006 BR_{169}	>3.72	>0.50			SWF
377914 2006 EP_{7}				HN	DWF
377932 2006 GM_{32}	>5.42	>0.40			SWF
377993 2006 RC_{39}	116.	0.5	1		SWF
378009 2006 SG_{46}	7.507	0.55	2		SWF
378179 2006 WL_{182}	2.43	0.60	2		SWF
378232 2007 BO_{77}				HN	DWF
378239 2007 CJ_{5}				HN	DWF
378242 2007 CR_{12}				HN	DWF
378244 2007 CN_{36}				HN	DWF
378281 2007 EM_{89}	>5.40	>0.37			SWF
378373 2007 PU_{14}	438.717	0.23	2		DWF
378381 2007 QG_{13}	12.109	0.17	2		DWF
378427 2007 RU_{222}	49.6094	0.31	2		DWF
378469 2007 TA_{32}	162.703	0.36	2		DWF
378481 2007 TD_{148}	14.3414	0.29	2		DWF
378610 2008 FT_{6}	112.	0.77	2		
378711 2008 PP_{16}	6.181	0.44	2		SWF
378714 2008 PY_{20}	80.1815	0.57	2		DWF
379025 2008 VE_{39}				HN	DWF
379096 2008 YD	362.749	0.29	2		DWF
379191 2009 SG_{15}	3.451	0.76	2		SWF
379232 2009 SJ_{269}				HN	DWF
379376 2009 WR_{261}	4.12	0.89	2		SWF
379382 2009 XP_{12}	6.35	0.44	2		SWF
379403 2010 AA_{10}				HN	DWF
379488 2010 EK_{107}	4.29	0.52	2		SWF
379514 2010 JW_{78}	4.7989	0.24	2	A	DWF
379555 2011 AU_{44}				HN	DWF

Planet	Period	Variation	Note		Survey
379613 2011 CE_{83}	5.93	0.58	2		SWF
379643 2011 ET_{6}	>2.48	>0.33			SWF
379645 2011 EY_{17}	9.60	1.05	1	DA	SWF
379657 2011 EN_{42}	>5.40	>0.53			SWF
379842 2011 UK_{178}	>1.97	>0.27			SWF
379870 2012 HA_{26}	27.7933	0.24	2		DWF
379918 2012 JE_{66}	6.76	0.73	2−		SWF
380046 2013 RH_{58}	4.92	0.46	2+		SWF
380087 2013 SJ_{51}	3.782	0.40	2		SWF
380088 2013 SU_{51}	>3.50	>0.33			SWF
380101 2013 TP_{11}	9.003	0.44	2		SWF
380149 1999 VK_{79}	>5.18	>0.37			SWF
380160 2000 JO_{78}	137.239	0.43	2		DWF
380196 2000 XH_{20}				HN	DWF
380222 2001 RJ_{54}	25.9132	0.24	2		DWF
380298 2002 CS_{208}				HN	DWF
380353 2002 RJ_{247}				HN	DWF
380385 2002 VU_{68}	135.455	0.20	2		DWF
380406 2002 YG_{19}	3.40	0.39−0.41	2		SWF
380413 2003 AS_{76}	9.333	0.18	2		SWF
380435 2003 SZ_{86}	>5.40	>0.29			SWF
380494 2004 CX_{49}	11.436	0.20	2		DWF
380539 2004 JG_{56}	467.385	0.34	2		DWF
380600 2004 SV_{40}	>5.40	>0.15			SWF
380601 2004 SD_{54}	8.72	0.30	2		SWF
380720 2005 QL_{58}				HN	DWF
380745 2005 SW_{114}				HN	DWF
380816 2005 YZ_{99}				HN	DWF
380827 2005 YE_{221}	41.8991	0.55	2		DWF
380841 2006 AG_{68}				HN	DWF
380911 2006 DA_{217}	>5.42	>0.22			SWF
380929 2006 HU_{30}	49.0	0.17	2	T?	
380936 2006 HY_{87}	7.611	0.72	2		SWF
380954 2006 KR_{124}	16.841	0.29	2		SWF
380981 2006 SU_{131}	4.92	0.18	1	A	
381022 2006 UV_{212}	13.409	0.70	2		SWF
381065 2006 XQ_{60}				HN	DWF
381082 2007 BV_{36}				HN	DWF
381104 2007 CU_{56}				HN	DWF
381117 2007 DA_{40}	2.87	0.95	1+		SWF
381151 2007 GZ_{11}				HN	DWF
381196 2007 RM_{26}				HN	DWF
381225 2007 RO_{291}				HN	DWF
381228 2007 RY_{310}	7.98196	0.43	2		DWF
381246 2007 TU_{76}				HN	DWF
381316 2007 VU_{177}				HN	DWF
381341 2008 CU_{13}				HN	DWF
381359 2008 DP_{58}	11.37	0.66	2		SWF
381363 2008 EZ_{21}	>2.75	>0.38			SWF
381418 2008 KQ_{29}				HN	DWF
381457 2008 RM_{53}				HN	DWF
381491 2008 SA_{88}				HN	DWF
381499 2008 SJ_{118}				HN	DWF
381503 2008 SC_{125}	6.82	0.65	2		SWF
381523 2008 SB_{219}				HN	DWF
381581 2008 UD_{212}	6.35	1.07	2		SWF
381589 2008 UC_{333}	18.307	0.88	2		SWF
381639 2008 YS_{96}				HN	DWF
381674 2009 BE_{79}				HN	DWF
381677 2009 BJ_{81}	325.	0.40	2		
381681 2009 BF_{112}				HN	DWF
381712 2009 QE_{4}				HN	DWF
381770 2009 SU_{324}				HN	DWF
381809 2009 UC_{135}	2.56	0.11	2		
381855 2009 WD_{264}				HN	DWF
381906*2010 CL_{19}	3.5197	0.27−0.39	3		
381919 2010 CB_{70}				HN	DWF
381955 2010 EO_{45}	2.78	0.20	1		SWF
382027 2011 BT_{161}				HN	DWF
382038 2011 CX_{60}				HN	DWF
382052 2011 DL_{30}				HN	DWF
382062 2011 EY_{33}				HN	DWF
382073 2011 FV_{15}				HN	DWF
382169 2012 JU_{13}				HN	DWF
382202 2012 PB_{3}				HN	DWF
382218 2012 QY_{19}	3.21	0.38	1+		SWF
382243 2012 SV_{39}	7.20	0.60	1+	DA	SWF
382261 2012 TQ_{94}	6.327	0.31−0.44	2		SWF
382349 2013 TM_{73}	380.919	0.74	2	A	DWF
382391 2013 TS_{136}	35.598	0.54	2		SWF

Planet	Period	Variation	Note		Survey
382426 1999 AO_{14}				HN	DWF
382447 2000 DZ_{36}		1.09			SWF
382490 2001 GU_{8}	7.20	0.75	2		
382513 2001 SR_{89}				HN	DWF
382583 2002 CQ_{166}	2.21	0.36	2		SWF
382774 2003 SD_{77}	4.73	0.71	2		SWF
382863 2004 FD_{109}	14.46	0.78	2		SWF
382895 2004 QS_{9}				HN	DWF
382963 2004 XS_{44}	8.89	0.62	2		SWF
383033 2005 OX_{31}				HN	DWF
383039 2005 QJ_{18}	3.27	0.66	2		SWF
383052 2005 QA_{90}	>3.72	>0.50			SWF
383097 2005 SS_{136}	5.65	0.54	2		SWF
383135 2005 UJ_{44}	10.55	0.62	2		SWF
383222 2006 AA_{50}				HN	DWF
383305 2006 GZ_{43}				HN	DWF
383364 2006 SN_{59}	3.54	0.53	2		SWF
383393 2006 TE_{30}	>1.0	>0.19			SWF
383418 2006 UZ_{226}	>1.33	>0.14			SWF
383455 2006 XU_{17}	18.737	0.64−0.67	2		SWF
383521 2007 CV_{55}	4.97	0.56	2		SWF
383542 2007 DM_{83}	6.81	0.80	2		SWF
383555 2007 EG_{22}				HN	DWF
383582 2007 FN_{36}	5.16	0.66	2		SWF
383609 2007 JJ_{20}	2.43	0.56	2		SWF
383625 2007 PK_{34}	6.56285	0.59	2		DWF
383632 2007 RH_{162}	34.8	0.25	2		DWF
383702 2007 TK_{436}	427.390	0.60	2		SWF
383715 2007 UL_{43}				HN	DWF
383722 2007 UN_{79}				HN	DWF
383814 2008 BE_{19}	7.154	0.65−0.78	2		SWF
383973 2008 TL_{88}	>5.38	>0.46			SWF
383977 2008 TK_{105}	4.95	0.58	2		SWF
384001 2008 UP_{24}	5.43	0.54	2		SWF
384012 2008 UA_{67}	6.11	0.52	2		SWF
384028 2008 UE_{119}	5.910	0.57−0.73	2		SWF
384040 2008 UF_{182}				HN	DWF
384127 2008 YG_{49}				HN	DWF
384129 2008 YZ_{65}				HN	DWF
384358 2009 UL_{72}	5.52	0.67−1.21	2		SWF
384400 2009 WG_{43}	6.15	0.54	2		SWF
384440 2010 AD_{21}	6.15	0.57	2		SWF
384460 2010 BC_{5}	7.392	0.42−0.43	2		SWF
384477 2010 CN_{38}	5.506	0.41	2		SWF
384495 2010 CQ_{80}				HN	DWF
384508 2010 CU_{123}	11.85	0.35	2		SWF
384539 2010 EA_{21}				HN	DWF
384543 2010 EM_{39}	5.837	0.27	2		SWF
384547 2010 EH_{79}	5.05	0.87	2		SWF
384617 2011 CG_{17}				HN	DWF
384655 2011 FG_{11}	2.82	0.47	2		SWF
384685 2011 GV_{32}	>1.28	>0.28			SWF
384744 2011 OY_{23}	7.93	0.58	2		SWF
384760 2012 FV_{44}	6.54415	0.28	2		DWF
384773 2012 ON_{5}	93.8776	0.21	2	A	DWF
384787 2012 PG_{37}	6.92	0.60	2		SWF
384794 2012 QD_{21}				HN	DWF
384808 2012 QX_{36}	3.343	0.46	2		SWF
384813 2012 QD_{51}	3.097	0.17	2		SWF
384835 2012 RG_{40}	>1.97	>0.25			SWF
384873 2012 SP_{42}	7.16	0.73	2		SWF
384885 2012 SC_{66}	8.390	0.63−0.82	2		SWF
384997 2012 TG_{218}	7.33	0.26	2		SWF
385059 2012 UK_{47}	>4.95	>0.23			SWF
385104 2012 VL_{80}	3.02	0.69	2		SWF
385125 2013 AH_{121}	>0.95	>0.46			SWF
385149 2013 TP_{35}	148.496	0.56	2	1	DWF
385161 2013 UV_{5}	6.259	0.59	2		SWF
385177 2013 WB_{12}	>4.32	>0.15			SWF
385186 1994 AW_{1}	2.5193	0.12−0.17	3	B	
385250 2001 DH_{47}	3.97	0.50	2		
385343 2002 LV	6.195	0.51−0.94	3		
385354 2002 PM_{80}	>1.35	>0.28			SWF
385380 2002 RN_{112}	4.196	0.41	2		SWF
385446 Manwë				BHN	
385458 2003 SP_{317}	12.45	0.40	2		
385529 2004 PT_{7}	7.62	0.75	2		SWF
385545 2004 RS_{237}	5.52	0.96	2		SWF
385580 2004 XO_{14}	8.4172	0.19−0.25	3−		
385613 2005 GP_{91}	6.32	0.66	2		SWF
385682 2005 SN_{239}	10.76	0.50	2		SWF
385684 2005 SF_{252}	>1.33	>0.14			SWF
385687 2005 SF_{286}	2.36990	0.59	1	NA	
385705 2005 UJ_{28}	6.96	0.43	2		SWF
385706 2005 UB_{30}	3.13	0.27	2		SWF
385761 2005 YK_{74}	3.79	0.49	2		SWF
385770 2005 YQ_{191}	8.50	0.88	2		SWF
385843 2006 JY_{25}	7.8	1.0	2		
385893 2006 SJ_{232}	5.58	0.54	2		SWF
386047 2007 EO_{197}	5.29	0.67	2		SWF
386056 2007 FV_{35}	5.39	0.48	2		SWF
386367 2008 TS_{127}	5.073	0.64	2		SWF
386443 2008 WQ_{90}	12.4202	0.24	2		DWF
386547 2009 DP_{14}	5.55	0.73	2		SWF
386578 2009 EY_{1}	4.57	0.44	2		SWF
386592 2009 FS_{54}	147.064	0.50	2	A	DWF
386690 2009 WQ_{9}	5.52	0.81	2		SWF
386701 2009 WH_{72}	5.27	0.49	2		SWF
386721 2009 XN_{12}	6.44	0.86	2		SWF
386723 2009 YE_{7}	11.30	0.06	2		
386813 2010 FG_{57}	11.16	0.67	2		SWF
386836 2010 JO_{39}	9.06	1.09	2		SWF
386842 2010 JQ_{117}	5.70	0.66	2		SWF
386895 2011 GZ_{75}				HN	DWF
386924 2011 KV_{28}	6.00	0.49	2		SWF
387038 2012 SU_{57}	5.06	0.79	2		SWF
387114 2012 TB_{161}	3.28	0.43	2		SWF
387135 2012 TC_{196}	4.059	0.47−0.65	2		SWF
387399 2013 PR_{10}	6.816	0.71	2		SWF
387458 2013 WQ_{103}	23.1051	0.19	2		DWF
387468 2013 XL_{13}	3.55	0.35	2		SWF
387484 2013 YH_{62}	2.29	0.43	2		SWF
387488 1994 AY_{13}				HN	DWF
387534 2000 GX_{118}	>1.78	>0.26			SWF
387540 2000 UV_{63}	>1.28	>0.27			SWF
387548 2001 BK_{6}	5.018	0.31−0.43	2		SWF
387577 2001 TU_{142}	4.05	0.42	2		SWF
387733 2003 GS	2.467	0.10−0.14	3		
387814 2004 FK_{1}	5.161	0.29	3		
387848 2004 OR_{10}	544.184	0.38	2		DWF
387903 2004 VJ_{88}	>4.35	>0.43			SWF
387906 2004 XQ	4.945	0.38	3		
387950 2005 EL_{237}	3.52	0.70	2		SWF
388039 2005 SE_{146}	197.103	0.30	2		DWF
388074 2005 UQ_{47}	>1.97	>0.26			SWF
388113 2005 UP_{402}	>1.97	>0.38			SWF
388169 2006 AF_{62}	1.57	0.84	1+		SWF
388176 2006 BH_{127}	4.548	0.47−0.56	2		SWF
388188 2006 DP_{14}	5.77	0.90−1.05	3		
388236 2006 KZ_{18}	6.76	0.53	2		SWF
388285 2006 SQ_{22}	10.82	0.45	2		SWF
388324 2006 SL_{348}	11.21	0.69	2		SWF
388355 2006 TX_{117}	3.04	0.69	2		SWF
388441 2007 CT_{15}	>1.78	>0.33			SWF
388468 2007 DB_{83}	5.41403	0.69−1.00	3		
388486 2007 EP_{68}	7.06	0.63	2		SWF
388507 2007 EW_{159}	6.76	0.80	2		SWF
388635 2007 TM_{113}	5.64021	0.18	2		DWF
388660 2007 TF_{290}	14.3597	0.28	2	1	DWF
388737 2007 VS_{270}	>1.97	>0.27			SWF
388838*2008 EZ_{5}	2.859	0.13−0.15	3−		
388945*2008 TZ_{3}	39.15	0.49−0.56	2	T	
388989 2008 UR_{78}	>5.25	>0.57			SWF
389010 2008 UG_{180}	6.903	0.55	2		SWF
389022 2008 UC_{239}	6.853	0.65	2		SWF
389088 2008 XG_{8}	>3.05	>0.24			SWF
389134 2009 AW_{32}	2.67	0.48	2		SWF
389237 2009 ED_{22}	>5.38	>0.46			SWF
389246 2009 FR_{31}	5.20152	0.27	2	1	DWF
389260 2009 FL_{61}	3.64	0.56	2		SWF
389439 2010 CQ_{94}	10.55	0.48	2		SWF
389485 2010 EW_{127}	24.6661	0.81	2		DWF
389694 2011 QD_{48}	5.24	0.08	2−		
389750 2011 SY_{154}	>1.33	>0.20			SWF
389845 2012 QX_{51}	>2.70	>0.45			SWF
389937 2012 TG_{136}	19.215	0.61−0.63	2		SWF
389966 2012 TZ_{200}	>1.88	>0.25			SWF
390208 2012 XV_{8}	3.89	0.09	2		SWF
390239 2012 XQ_{63}	7.92	0.74	2		SWF
390260 2012 XU_{131}	>1.78	>0.54			SWF

Planet	Period	Variation	Note		Survey
390385 2013 WG_{47}	>5.30	>0.45			SWF
390446 2013 YR_{73}	3.87	0.38	2		SWF
390462 2013 YE_{111}	3.87	0.60	2		SWF
390500 2014 AV_{49}	3.23	0.48	2		SWF
390570 2001 FU_{166}	8.62558	0.65	2	A	DWF
390677 2002 TE_{241}	5.099	0.20	1+		SWF
390779 2003 WY_{6}	55.101	0.92	2		SWF
390827 2004 PD_{17}	66.2663	0.59	2		DWF
390978 2005 RK_{33}	3.33004	0.56	2	1	DWF
391033 2005 TR_{15}	850.	1.0	2	T0	
391123 2005 WS_{19}	3.302	0.25	2		SWF
391474 2007 HN_{29}	8.941	0.73	2		SWF
391503 2007 PU_{45}	6.08	0.75	2		SWF
391535 2007 RY_{300}				HN	DWF
391578 2007 TF_{322}	>1.00	>0.11			SWF
391927 2008 UH_{296}	>3.72	>0.30			SWF
391985 2008 YH_{9}	>1.87	>0.67			SWF
392122 2009 FE_{38}	>1.90	>0.27			SWF
392211 2009 TG_{10}	13.87	1.34	3−		
392416 2010 MF_{51}	4.349	0.56−0.57	2		SWF
392524 2011 QT_{43}	5.966	0.46	2		SWF
392563 2011 SD_{86}	61.387	0.26	2		DWF
392619 2011 UM_{13}	>48.	>1.			SWF
392645 2011 UT_{136}	7.43	0.72	2		SWF
392733 2012 RN_{13}	3.644	0.24	2		SWF
392778 2012 TU_{105}	8.69	0.88	2−		SWF
393073 2013 AB_{91}	3.37	0.33	2		SWF
393260 2013 UU_{14}	13.597	0.43	2		SWF
393439 2001 TT_{117}	8.467	0.48	2		SWF
393458 2001 WE_{1}	165.403	0.23	2		DWF
393475 2002 GP_{130}	38.71	1.28	2		SWF
393531 2002 TE_{267}	22.9973	0.36	2		DWF
393584 2003 SF_{251}	3.90	0.59	2		SWF
393594 2003 UV_{64}	>2.37	>0.29			SWF
393705 2004 TE_{163}	28.5046	0.14	2		DWF
393715 2004 TQ_{287}	6.86538	0.46	2		DWF
393749 2005 EL_{167}	>1.33	>0.14			SWF
393850 2005 SM_{162}	2.92	0.28	2		SWF
393885 2005 TU_{76}	25.796	0.24	2		DWF
393950 2005 UB_{204}	6.98	0.29	2		SWF
393963 2005 UQ_{248}	4.47	0.48	2		SWF
393966 2005 UC_{278}	15.19	0.17	2		SWF
394268 2006 UF_{118}	15.69	0.26	2		SWF
394660 2008 BC_{51}	17.39	0.43	2		SWF
395043 2009 DY_{105}	1.23	0.34	3		SWF
395052 2009 EO_{1}	6.462	0.53	2		SWF
395057 2009 FK_{3}	>1.57	>0.31			SWF
395083 2009 HX_{83}	>1.90	>0.40			SWF
395289 2011 BJ_{2}	7.03	0.48	2		
395405 2011 SF_{132}	73.796	0.17	2		DWF
395480 2011 UD_{49}	3.62	0.40	2		SWF
395515 2011 UN_{128}	5.48544	0.41	2		DWF
395693 2012 AM_{11}	10.481	0.64	2		SWF
395899 2013 AH_{61}	2.83	0.32	2		SWF
395907 2013 AC_{78}	5.330	0.70	2		
395961 2013 AU_{171}	8.48	0.89	2		SWF
396026 2013 CG_{7}	>1.07	>0.15			SWF
396079 2013 CH_{85}	3.90	0.58	2		SWF
396212 2013 YH_{42}	4.216	0.43−0.49	2		SWF
396236 2014 BS_{29}	4.988	0.27−0.46	2		SWF
396243 2014 BL_{38}	5.123	0.75−0.89	2		SWF
396542 1994 UR_{5}	9.150	0.75	2		SWF
396593 2001 HC	3.1881	0.35−0.37	3		
396655 2002 JL_{122}	16.078	0.19	2		SWF
396809 2004 PV_{89}	4.14236	0.21	2		DWF
396929 2005 FQ_{7}	4.03	0.16	2		
397006 2005 TM_{6}	5.398	0.58	2		SWF
397009 2005 TQ_{27}	2.497	0.49	1	N	
397036 2005 UM_{52}	4.65	0.44	2		SWF
397061 2005 UY_{148}	7.45	0.84	2		SWF
397062 2005 UX_{149}	3.559	0.54	2		SWF
397211 2006 FP_{27}	14.9518	0.19	2		DWF
397353 2006 UW_{90}	3.227	0.44	2		SWF
397805 2008 RJ_{25}	30.6099	0.38	2		DWF
398004 2009 BU_{183}	2.81	0.63	2		SWF
398188 Agni	21.99	1.12	2	T	
398190 2010 LW_{82}	>1.97	>0.31			SWF
398221 2010 OW_{76}	19.542	0.47	2		SWF
398418 2011 SR_{266}	>4.35	>0.89			SWF
398709 2012 XL_{53}	>1.78	>0.41			SWF

Planet	Period	Variation	Note		Survey
398713 2012 XR_{59}	7.84	0.85	2		SWF
398723 2012 XT_{114}	>0.85	>0.27			SWF
399064 2013 YQ_{139}	5.93	0.55−0.89	2		SWF
399065 2014 BQ_{2}	17.077	0.62	2		SWF
399067 2014 BG_{37}	4.95	0.38−0.51	2		SWF
399139 2014 EK_{20}	7.19	0.66	2		SWF
399307 1991 RJ_{2}	3.4807	0.09	3	B	
399333 1999 VT_{83}	3.029	0.30	2		SWF
399374 2001 QA_{190}	6.145	0.65	2		SWF
399417 2001 VE_{25}	18.730	0.66	2		SWF
399497 2002 TV_{190}	15.9	0.3	1		SWF
399525 2002 YU_{27}	19.645	0.74	2		SWF
399607 2003 WD_{156}	142.757	0.37	2		DWF
399663 2004 RU_{208}	11.570	0.74	2		SWF
399756 2005 JH_{21}	17.834	0.77	2		SWF
399774 2005 NB_{7}	3.4882	0.13−0.15	3	B	
399792 2005 QE_{50}	5.691	0.77	2		SWF
399912 2005 XG_{75}	3.0	0.13	1+		
399979 Lewseaman	15.946	0.81	2		SWF
400172 2006 WZ_{18}	2.604	0.51	2		SWF
400421 2008 CQ_{100}	11.5164	0.45	2	1	DWF
400852 2010 MK_{38}	17.235	0.67	2		SWF
400878 2010 PC_{10}	9.053	0.10	1		SWF
400910 2010 TV_{46}	41.1403	0.14	2		DWF
401316 2013 AU_{6}	>1.45	>0.25			SWF
401891 2001 RW_{121}				HN	DWF
401998 2003 MO	50.	0.40	1	A	
402005 2003 QV_{34}	>2.75	>0.35			SWF
402314 2005 TD_{123}				HN	DWF
402581 2006 RX_{91}	0.9086	0.2	1		SWF
402785 2007 DZ_{2}	8.70	0.79	2		SWF
402995 2007 VC_{199}	>1.22	>0.19			SWF
403384 2009 PS_{20}	53.1663	1.25	2		DWF
403677 2010 UB_{31}	>1.23	>0.26			SWF
403917 2011 YJ_{64}	7.01555	0.33	2		DWF
404597 2013 SW_{27}	3.34	0.89	1+		SWF
405058 2001 TX_{16}	4.8005	0.47−0.54	3		
405190 2003 BK_{4}	11.4319	0.12	2		DWF
405212*2003 QC_{10}	15.27	0.39	3		
405215 2003 QH_{48}	15.27	0.39	3		
405396 2004 JU_{4}	23.0028	0.32	2	1	DWF
405427 2004 ST_{9}	5.203	0.74	2		
405554 2005 LB_{7}	343.173	0.21	2		DWF
405697 2005 UH_{398}	2.72	0.18	1+		SWF
405776 2006 AP	66.1503	0.40	2	A	DWF
406126 2006 VC_{70}	8.65	0.96	2		SWF
406183 2006 WW_{101}	9.10781	0.24	2		DWF
406206 2006 XT_{63}	19.0555	0.26	2		DWF
406207 2006 XN_{65}	7.71684	0.22	2		DWF
406213 2007 AB_{2}	8.545	0.60	2		
406214 2007 AP_{3}	4.41631	0.30	2		DWF
406274 2007 EB_{84}	>3.72	>0.18			SWF
406399 2007 TG_{73}	6.00	0.58	2−		SWF
406938 2009 HD_{74}	7.93548	0.19	2		DWF
407308 2010 MA_{107}	3.45607	0.14	2		DWF
407386 2010 RY_{180}	11.2154	0.17	2		DWF
407546 2010 WA_{50}	99.3086	0.39	2		DWF
407826 2012 BG_{13}	9.44566	0.15	2		DWF
408210 2013 EW_{59}				HN	DWF
408332 2013 GO_{73}	8.28666	0.82	2		DWF
408388 2013 GC_{104}				HN	DWF
408394 2013 GQ_{109}	3.42368	0.19	2		DWF
408637 2014 LO_{25}	13.1366	0.15	2		DWF
408751 1987 SF_{3}	21.0	0.20	2	A	
408980 2002 RB_{126}	16.21	0.14	2	A	
409067 2003 SO_{222}	5.93	0.73	2−		SWF
409204 2003 WX_{25}	5.118	0.22	3−		
409221 2003 XN_{27}	11.43	0.76	1		SWF
409410 2005 GX_{122}				HN	DWF
409511 2005 TC_{4}	8.90254	0.32	2	1	DWF
409557 2005 UV_{100}	5.11	0.96	2		SWF
409575 2005 UM_{197}	3.41389	0.22	2		DWF
409888 2006 SH_{366}	48.2559	0.36	2		DWF
410088*2007 EJ	4.5569	0.09−0.16	2+		
410195 2007 RT_{147}	48.05	1.08	2		
410395 2007 WN_{20}	18.1707	0.27	2		DWF
410516 2008 EG_{143}	4.56	0.70	1	DA	SWF
410650*2008 SQ_{1}	47.3	0.50	2		
410777*2009 FD	4.0	0.24−0.46	2+	BR	
410778 2009 FG_{19}	8.00	0.80	2	A	

Planet	Period	Variation	Note		Survey
411067 2009 VO_{61}	4.92	0.85	2		SWF
411131 2009 WA_{216}	4.78	1.09	2		SWF
411201 2010 LJ_{14}	113.	0.85	2	T0	
411224 2010 OL_{74}	84.791	0.48	2		DWF
411236 2010 PP_{75}	8.34	0.84	1	DA	SWF
411280 2010 SL_{13}	7.79	0.20	2	A	
411415 2010 VS_{174}	3.93778	0.27	2		DWF
411553 2011 CD_{51}	37.5872	0.22	2		DWF
412241 2013 HY_{23}	3.6939	0.18	2	A	DWF
412405 2014 BQ_{62}	8.35	0.71	2		SWF
413002 1999 VG_{22}	4.887	0.29−0.32	3		
413038 2001 MF_{1}	6.569	0.64−1.26	3		
413098 2001 UW_{91}	3.29877	0.18	2		DWF
413260 2003 TL_{4}	27.2	>1.0	3−	NT0	
413303 2003 UC_{223}	11.5795	0.21	2		DWF
413516 2005 SS_{16}	1.89	0.40	1+		SWF
413531 2005 SW_{88}	6.81	0.32	2−		SWF
413577*2005 UL_{5}	3.4590	0.27−0.35	2	T?	
413610 2005 UH_{228}	4.10	0.67	1		SWF
413907 2006 WO_{29}	9.85545	0.31	2		DWF
413919 2006 WP_{126}	4.51871	0.22	2		DWF
414085 2007 TG_{156}	5.61	0.80	1+		SWF
414279 2008 KB_{26}	271.304	0.55	2	A	DWF
414287 2008 OB_{9}	42.5	0.34	2		
414408 2009 BJ_{107}	3.68	0.70	2		SWF
414470 2009 MQ_{8}	73.3075	0.24	2		DWF
414845 2010 VH_{31}	4.92	0.93	2+		SWF
414858 2010 VD_{86}	3.09667	0.28	2		DWF
415029 2011 UL_{21}	2.732	0.32	2+		
415317 2013 HP_{14}	4.84963	0.42	2		DWF
415812 2001 PT_{52}	2.40628	0.22	2		DWF
415898 2001 TT_{192}	62.8478	0.61	2		DWF
415949 2001 XY_{10}	43.5	0.35	2+	T0	
415992 2002 AT_{49}	2.6366	0.12	2		
416071 2002 NV	17.7	0.41	2		
416151 2002 RQ_{25}	12.191	0.72	2+	A	
416185 2002 TW_{14}	17.9075	0.30	2	1	DWF
416186 2002 TD_{60}	2.8513	1.15−2.0	3	T+	
416224 2002 XM_{90}	7.666	0.88−1.02	3		
416231 2003 AJ_{73}	9.5708	0.96	3	N	
416237 2003 BS_{23}	11.8804	0.32	2		DWF
416400 2003 UZ_{117}	10.61	0.09	2		
416516 2003 YC_{112}	>5.45	>0.28			SWF
416525 2003 YD_{170}	5.11	0.31	2		SWF
416584 2004 JB_{12}	16.51	0.74	3−		
416591*2004 LC_{2}	4.677	0.17	2+		
416595 2004 NZ_{8}	7.42154	0.17	2		DWF
416630 2004 RF_{305}	5.78	0.88	2		SWF
416801 2005 GC_{120}	9.	0.25−0.40	2	D	
416804 2005 GP_{128}	3.266	0.70	2+		
417125 2005 UT_{512}	138.296	0.23	2	A3	DWF
417269 2006 AQ_{31}	7.27	0.65	2+		SWF
417370 2006 GS_{35}	14.8537	0.24	2		DWF
417700 2007 BU_{63}	60.9485	0.39	2		DWF
417981 2007 TP_{216}	>4.18	>0.33			SWF
418094 2007 WV_{4}	9.929	0.65	3−		
418106 2007 XV_{27}	12.4681	0.22	2	A	DWF
418797 2008 VF	7.35	0.11	2+		
418812 2008 VF_{39}	332.014	0.25	2		DWF
418849 2008 WM_{64}	2.4055	0.62−0.66	3		
418894 2008 YT_{171}				HN	DWF
418896 2009 AK_{15}	4.3	0.72	2		
418929 2009 DM_{1}	4.590	0.17	2+		
419022 2009 QF_{31}	4.840	0.75	3		
419662 2010 TV_{102}	7.48	0.82	2		SWF
420042 2011 DW_{12}	2.73	0.42	1		SWF
420187 2011 GA_{55}	2.578	0.15	3		
420231 2011 HA_{52}				HN	DWF
420280 2011 OC_{26}	8.6	0.44	2		
420380 2012 BA_{140}	>2.45	>0.38			SWF
420539 2012 GG_{7}	7.50	0.60	2−		SWF
420577 2012 HU_{24}	64.4337	0.40	2		DWF
420738 2012 TS	3.57	0.20	2+		
420798 2013 HW_{5}	>5.40	>0.26			SWF
420882 2013 LE_{4}	264.015	0.26	2		DWF
421285 2013 TY_{2}	117.622	0.44	2	1	DWF
421367 2013 TO_{129}				HN	DWF
421421 2013 WM_{86}	8.65	0.44	2		SWF
421671 2014 OK_{378}	59.2768	0.26	2		DWF
421874 2014 QE_{167}	5.57957	0.24	2		DWF

Planet	Period	Variation	Note		Survey
422232 2014 RL_{63}	3.19142	0.44	2		DWF
422381 2014 SO_{263}	2.69518	0.20	2		DWF
422433 2014 SF_{292}	10.43	0.51	2		SWF
422475 2014 ST_{325}	571.842	0.65	2	A	DWF
422497 2014 TJ	5.85783	0.59	2		DWF
422502 2014 TK_{3}	7.74	0.83	1+	DA	SWF
422511 2014 TT_{5}	5.42	0.50	1+		SWF
422514 2014 TP_{6}	7.16	0.58	2−		SWF
422522 2014 TP_{9}	5.42	0.88	2		SWF
422544 2014 TL_{28}	4.07	0.64	2		SWF
422561 2014 TH_{39}	6.27	0.64	2		SWF
422638 1994 CB	8.676	0.90	3	T-	
422686*2000 AC_{6}	2.4437	0.29	2	T	
422699 2000 PD_{3}	42.484	1.18	3−		
422715 2000 WE_{6}	24.8479	0.19	2	1	DWF
422823 2002 CN_{30}	104.922	0.37	2	1	DWF
422865 2002 PY_{105}	>1.85	>0.45			SWF
422868 2002 PC_{160}				HN	DWF
422906 2002 RH_{189}	39.4529	0.20	2		DWF
423122 2004 BY_{138}	3.28	0.60	2		SWF
423321 2005 ED_{318}	17.157	0.22−0.48	3	NT0	
423498 2005 TG_{122}	5.61	0.84	2		SWF
423635 2005 WR_{203}	18.1263	0.35	2		DWF
423702 2006 AD_{64}				HN	DWF
423709 2006 BQ_{6}	4.416	1.6	3−		
423742 2006 BX_{239}				HN	DWF
423747 2006 CX	3.2	0.10	2−		
423830 2006 MN_{10}	8.73	0.70	2		SWF
423877 2006 RP_{65}	>5.42	>0.17			SWF
423904 2006 SV_{242}	19.88	0.5	1+		SWF
423906 2006 SO_{275}	3.0477	0.12	1+		SWF
424037 2007 AH_{13}	6.38	0.70	1	DA	SWF
424072 2007 DF_{16}				HN	DWF
424507 2008 DZ_{80}	1.44	0.25	1		SWF
424930 2008 YA_{20}	2.51	0.67	2		SWF
425237 2009 WL_{10}	>2.87	>0.23			SWF
425270 2009 WX_{127}				HN	DWF
425284 2009 WR_{190}	5.28	0.65	2		SWF
425326 2010 AS_{55}	4.16	0.83	3−		SWF
425343 2010 BX_{3}	>5.48	>0.27			SWF
425450 2010 EV_{45}	3.520	0.23−0.27	2+		
425556 2010 RY_{125}	>3.88	>0.25			SWF
425639 2010 VU_{164}	5.18	1.00	2		SWF
425709 2011 BR_{19}	6.11	0.29	1+		SWF
425713 2011 BK_{24}	6.010	0.24−0.31	2+		
425817 2011 DC_{25}	6.49	1.33	2		SWF
425851 2011 ER_{68}	5.63	0.41	2		SWF
425928 2011 GY_{39}	2.23	0.41	2		SWF
425929 2011 GS_{46}	6.04	0.81	2		SWF
425991 2011 HX_{84}	>5.48	>0.86			SWF
426013 2011 KQ_{28}	22.6127	0.25	2		DWF
426109 2012 FL_{50}	5.71	0.73	1+		SWF
426308 2012 TE_{166}				HN	DWF
426430 2013 QA_{30}	4.21	0.85	2−		SWF
426556 2013 RR_{89}	5.08	0.79	1+		SWF
426918 2013 WF_{97}				HN	DWF
426941 2013 YA_{6}	3.49	0.48	2		SWF
426943 2013 YS_{16}	5.45	0.70	2		SWF
426968 2013 YW_{103}				HN	DWF
426981 2014 AO_{37}	64.7945	0.27	2	1	DWF
427107 2014 UB_{80}	3.54	0.70	2−		SWF
427152 2014 UN_{175}	103.826	0.18	2	A	DWF
427280 2014 WN_{197}	1.27544	0.22	2	A3	DWF
427435 2001 BC_{73}	8.4	0.65	3−		
427447 2001 RU_{62}	215.318	0.30	2	A	DWF
427463 2001 TO_{219}				HN	DWF
427471 2001 VC_{91}	9.41176	0.14	2	A3	DWF
427562 2002 VB_{78}	23.5449	0.26	2		DWF
427592 2003 SC_{116}				HN	DWF
427643 2003 VF_{1}	11.470	0.50−0.70	3		
427684 2004 DH_{2}	8.962	0.30	3−		
427781 2005 CJ_{32}				HN	DWF
427952 2005 WY_{198}				HN	DWF
428030 2006 CW_{1}				HN	DWF
428086 2006 NM	U 20.	>0.8	2−		
428209 2006 VC	7.8	0.85	2		
428234 2006 WV_{182}	2.51	0.63	1		SWF
428264 2007 CO_{65}	125.639	0.19	2		DWF
428323 2007 HH_{25}				HN	DWF
428425 2007 TE_{197}				HN	DWF

Planet	Period	Variation	Note		Survey
428617 2008 FQ_{10}				HN	DWF
428643 2008 GL_{4}	5.61	0.77	3−		SWF
428694 Saule	8.430	0.27	2		
428714 2008 RE_{34}				HN	DWF
428779 2008 SP_{226}	>3.65	>0.37			SWF
428860 2008 UT_{121}				HN	DWF
428883 2008 UL_{306}	1.59	0.35	1		SWF
428958 2008 YM_{91}				HN	DWF
429092 2009 RP_{59}	146.722	0.38	2		DWF
429240 2010 AL_{76}				HN	DWF
429272 2010 CA_{67}				HN	DWF
429310 2010 DW_{91}	>5.40	>0.33			SWF
429368 2010 HC_{59}					SWF
429544 2011 CM_{9}	8.65	0.80	2		SWF
429578 2011 EC_{14}	>5.48	>0.18			SWF
429584 2011 EU_{29}	43.5	0.65	2−	T0	
429649 2011 GU_{3}	0.775			N	
429675 2011 HO_{1}				HN	DWF
429729 2011 KF_{29}	66.6681	0.82	2	1	DWF
429733*2011 LX_{10}	2.649	0.18	3−		
429825 2012 NW_{1}				HN	DWF
429944 2012 UZ_{4}	>5.38	>0.51			SWF
430248 2013 WT_{14}				HN	DWF
430439 2000 LF_{6}	14.92	0.22	2		
430464 2001 PL_{25}	43.5185	0.25	2	1	DWF
430484 2001 ST_{246}	3.47	0.52	2		SWF
430544 2002 GM_{2}	2.633	0.34−0.41	3		
430552 2002 HU_{11}	15.66	0.4	2	A	
430620 2003 DT_{9}	18.82	0.37	2		SWF
430646 2003 SH_{139}				HN	DWF
430844 2005 LE_{8}				HN	DWF
430861 2005 NS_{56}	5.73	0.83	2		SWF
430895 2005 RO_{44}	58.862	0.38	2		DWF
430902 2005 SW_{49}	>1.9	>0.40			SWF
430971 2005 WL_{78}				HN	DWF
430989 2005 WX_{172}				HN	DWF
431035 2006 AC_{81}	76.1936	0.47	2		DWF
431169 2006 RN_{57}	16.22	0.22	2		SWF
431300 2006 UV_{345}	5.11	0.96	2		SWF
431345 2007 BK_{62}	24.1923	0.39	2		DWF
431507 2007 TB_{166}	3.05625	0.32	2	1	DWF
431510 2007 TR_{179}				HN	DWF
431530 2007 TY_{299}				HN	DWF
431796 2008 QR_{18}				HN	DWF
431799 2008 QJ_{34}	5.66	0.65	2		SWF
431861 2008 SA_{109}				HN	DWF
432022 2008 VV_{49}				HN	DWF
432084 2008 YU_{142}				HN	DWF
432113 2009 BY_{10}				HN	DWF
432122 2009 BF_{32}				HN	DWF
432123 2009 BV_{34}				HN	DWF
432160 2009 BS_{153}				HN	DWF
432251 2009 RT_{10}	9.09	0.32	2		SWF
432286 2009 SV_{210}	7.84	0.46	2		SWF
432451 2010 CY_{76}				HN	DWF
432570 2010 NK_{37}	>3.10	>0.15			SWF
432707 2011 CE_{17}				HN	DWF
432745 2011 EU_{16}				HN	DWF
432962 2012 JQ_{26}				HN	DWF
433303 2013 NX	0.1529	0.84−0.89	3−		
433318 2013 QC_{3}	>5.20	>0.24			SWF
433436 2013 TE_{112}	>4.35	>0.30			SWF
433491 2013 WL_{19}				HN	DWF
433563 2013 YM_{3}	10.9042	0.21	2	A	DWF
433585 2013 YH_{39}				HN	DWF
433587 2013 YL_{41}				HN	DWF
433645 2014 AD_{37}				HN	DWF
433818 2015 BH_{164}	3.87	0.82	3−		SWF
433846 2015 BM_{262}	11.85	0.65	1		SWF
433871 2015 BE_{308}	4.95	0.48	2		SWF
433953*1997 XR_{2}	9.3205	0.72	3	T	
433980 1999 VN_{88}	4.17	0.77	2		SWF
433992 2000 HD_{74}	9.36	0.15	2	A	
434084 2002 CA_{19}	7.15564	0.40	2		DWF
434126 2002 QP_{56}	>4.35	>0.26			SWF
434178 2002 US_{27}	>1.33	>0.22			SWF
434279 2003 XO_{15}	2.01	0.40	2−	N	
434357 2004 RC_{350}				HN	DWF
434403 2005 GG_{131}	>4.35	>0.35			SWF
434455 2005 QY_{4}	3.0512	0.17	2		DWF
434463 2005 QO_{40}	>1.40	>0.11			SWF
434552 2005 TU_{98}	>1.13	>0.29			SWF
434666 2005 YN_{173}	28.6137	0.34	2		DWF
434684 2006 BQ_{29}				HN	DWF
434702 2006 BN_{280}				HN	DWF
434816 2006 RH_{92}	49.	0.8	1+		SWF
434949 2006 UN_{25}	5.43	0.37	2		SWF
435087 2007 CR_{16}				HN	DWF
435116 2007 DK_{86}				HN	DWF
435131 2007 EH_{146}				HN	DWF
435249 2007 TX_{39}	87.0846	0.24	2		DWF
435518 2008 JR_{11}				HN	DWF
435528 2008 KG_{25}				HN	DWF
435895 2009 AN_{30}				HN	DWF
436046 2009 QB_{19}				HN	DWF
436136 2009 UC_{26}	>0.82	>0.21			SWF
436209 2009 XO_{17}				HN	DWF
436442 2011 CR_{25}				HN	DWF
436485 2011 EQ_{24}				HN	DWF
436508 2011 FW_{27}				HN	DWF
436550 2011 GA_{79}				HN	DWF
436724 2011 UW_{158}	0.61073	0.52−2.05	3	p	
436775 2012 LC_{1}	5.687	0.34−0.41	3		
436807 2012 RR_{2}	5.06	0.82	2		SWF
437317 2013 PW_{2}	3.08	0.76	2		SWF
437408 2013 WQ_{83}	14.45	0.11	2−		
437470 2013 YF_{42}	69.5032	0.16	2		DWF
437480 2013 YZ_{50}				HN	DWF
437505 2013 YJ_{78}	6.04	0.56	2		SWF
437548 2013 YL_{128}	6.44	0.84	2		SWF
437790 2015 CP_{40}	1.27	0.40	2−		SWF
437844 1999 MN	5.495	0.41−0.77	3		
438045 2004 NV_{7}				HN	DWF
438105 2005 GO_{22}	4.103	0.76	2		
438159 2005 SJ_{232}	15.29	0.38	2		SWF
438202 2005 UE_{129}	>14.	>0.2			
438341 2006 QX_{123}	6.69	0.69	2		SWF
438358 2006 SJ_{254}	6.15	0.60	2		SWF
438429 2006 WN_{1}	3.686	0.22	2+		
438430*2006 WL_{3}	8.47	0.18−0.22	2		
438473 2007 EZ_{74}	8.07	0.82	2		SWF
438865 2009 FR_{73}	5.63	0.87	2		SWF
438955*2010 LN_{14}	3.8420	0.06	1+		
439009 2011 AT_{22}	>4.35	>0.14			SWF
439042 2011 FC_{88}	5.73	0.46	2		SWF
439278 2012 UH_{64}	>2.70	>0.36			SWF
439442 2013 VR_{16}	12.4139	0.17	2		DWF
439454 2013 YO_{8}	7.06	0.77	2		SWF
439456 2013 YH_{18}	50.0365	0.35	2	1	DWF
439492 2013 YY_{147}	5.39	0.53	2		SWF
439501 2014 AR_{42}	7.56	1.15	2		SWF
439575 2014 DM_{98}	21.05	0.58	2		SWF
439591 2014 DA_{123}	>3.72	>0.32			SWF
439596 2014 DL_{140}	5.15	0.75	2		SWF
439671 2014 HH_{169}	>2.02	>0.42			SWF
439854 1998 XA_{5}		0.22			
439902 2000 WR_{45}	>0.92	>0.26			SWF
440931 2006 XK_{39}	3.33	0.08	3		
441002 2007 DS_{53}	>2.75	>0.64			SWF
441549*2008 TM_{68}	7.965	0.21	2		
441825 2009 SK_{1}	5.829	0.60	2+		
441838 2009 VJ_{5}	>3.72	>0.24			SWF
441987*2010 NY_{65}	4.9706	0.16−0.26	3		
442037 2010 PR_{66}	2.0734	0.90−1.00	3		
442243*2011 MD_{11}	2.430	0.15	3	B?	
442529 2011 WT_{121}	>1.35	>0.15			SWF
442559 2012 AU_{10}	10.45	0.20	2		
442742 2012 WP_{3}	221.	0.30	2+	B?	
442794 2012 YU_{1}	46.7481	0.31	2	A	DWF
443103 2013 WT_{67}	135.	1.1	2	T?	
443121 2014 AW_{43}	23.0867	0.39	2	A	DWF
443269 2014 ET_{18}	>2.02	>0.50			SWF
443565 2014 KX_{31}	>1.78	>0.59			SWF
443723 2015 LT_{9}	24.6986	0.21	2		DWF
443837 2000 TJ_{1}	14.09	0.49	3−		
443880 2001 UZ_{16}	13.719	0.97	3−		
443906 2002 EY_{40}	117.033	0.30	2		DWF
443923*2002 RU_{25}	119.4	0.87−0.98	2		
444018*2004 EU_{95}		0.10		N	
444025*2004 HJ_{79}	>7.5	>0.20		N	

Planet	Period	Variation	Note		Survey
444030 2004 NT_{33}	7.87	0.04	1+	1	
444182 2005 QB_{180}	83.3742	0.34	2		DWF
444193 2005 SE_{71}	66.8	0.8	2	T	
444497 2006 RT_{41}	1.2976	0.20	1		SWF
444569 2006 TE_{47}	12.0	1.20	1		SWF
444584*2006 UK	5.721	0.24	3		
444745 2007 JF_{43}	9.52	0.22	2	A	
445068*2008 SE_{268}	11.817	0.81	2+		
445231 2009 HK_{82}	88.064	0.47	2		DWF
445267 2009 SD_{229}	130.618	0.58	2		DWF
445473 2010 VZ_{98}	9.72	0.18		N	
446521 2014 LO_{3}	5.31	0.88	2		SWF
446791*1998 SJ_{70}	19.15	0.80−0.90	2	T0	
446804 1999 VN_{6}	24.1	>0.7	2−	ANT0	
446833 2001 RB_{12}	5.299	0.13	2+		
446882 2002 DR_{13}				HN	DWF
446913 2002 RW_{233}	22.574	0.33	2		DWF
447176 2005 QQ_{56}	275.25	0.37	2	1	DWF
447572 2006 TN_{66}	1.4959	0.10	1		SWF
448497 2010 KR_{128}	12.13	0.50	2−		SWF
448647 2010 VP_{101}	12.21	0.40	2−		SWF
448721 2011 BN_{24}	>8.	>0.8			
448972 2011 YV_{15}	2.848	0.09	3−		
449579 2014 JD_{24}	4.49	0.67	2		SWF
449627 2014 KQ_{6}	>1.33	>0.15			SWF
450160 2000 RM_{12}	14.51	0.31	2+		
450648*2006 UC_{63}	10.13	0.05−0.62	2	A	
450649 2006 UY_{64}	2.824	0.09	2+		
450894 2008 BT_{18}	2.5702	0.08−0.30	2+	B	
451397 2011 EZ_{78}	3.1150	0.43−0.45	3	B?	
452202 2015 RV_{192}	>4.35	>0.50			SWF
452302 1995 YR_{1}	5.006	0.23	3−		
452314 1999 LN_{28}	>19.	>1.0	1+	N	
452389 2002 NW_{16}	46.7	0.65	2		
452435 2003 GB	4.98536	0.36	2		DWF
452561 2005 AB	3.3387	0.04−0.10	3	B	
453106*2007 WR_{62}	2.870	0.18	2		
453445 2009 RK_{5}	>3.72	>0.28			SWF
453668 2010 UB_{81}	68.4584	0.17	2		DWF
453778 2011 JK	2.4567	0.12−0.33	3		
454075 2012 UJ_{153}	25.3898	0.39	2		DWF
454094*2013 BZ_{45}	0.4831	0.05	1+		
454177*2013 GJ_{35}	49.75	0.07−0.52	2+	B?	
454814 2015 RH_{99}	>4.35	>0.40			SWF
454836 2015 RY_{213}	>3.57	>0.39			SWF
454851 2015 RF_{240}				I	
455170 1999 ND_{5}	63.2348	0.49	2		DWF
455192 2000 QN_{130}	30.33	0.3	2	NT0	
455213 2001 OE_{84}	0.4865	0.3 −0.6	3	p	
455217 2001 QD_{154}	2.43425	0.50	2		DWF
455322 2002 NX_{18}	9.040	0.23	2	A	
455415 2003 GA	5.78	1.25	3		
455432 2003 RP_{8}	4.2736	0.55	3		
455502 2003 UZ_{413}	4.14	0.10	2	N	
455522 2003 XA_{28}	3.64	0.69	2		SWF
455550*2004 JO_{2}	9.94	0.06−0.20	3		
455736 2005 HC_{3}	14.40	0.34	3−		
455737 2005 HR_{7}	14.40	0.34	2+		
455760 2005 MF_{31}	48.5413	0.17	2	1	DWF
456051 2006 AW	53.19	0.95	3−	T0	
456636 2007 PN_{45}	13.5645	0.31	2	1	DWF
456657 2007 RO_{33}	122.346	0.26	2		DWF
456715 2007 RG_{292}				HN	DWF
456725 2007 SF_{7}	42.7834	0.41	2	A	DWF
456924 2007 XH_{50}	18.1803	0.45	2		DWF
457154 2008 FW_{136}	>0.77	>0.29			SWF
457175 2008 GO_{98}	10.74	0.12	2		
457260 2008 RY_{24}	2.5308	0.06−0.11	2+		
457938 2009 UL_{154}	5.58	0.91	1		SWF
458198 2010 RT_{11}	3.007	0.11	2−		
458452*2011 BR_{15}	6.4108	1.18	3−		
459865 2013 XZ_{8}	87.744	0.26	2		DWF
459872*2014 EK_{24}	0.0978	0.45−1.26	3		
459915 2014 MC_{27}	14.3348	0.32	2		DWF
460208 2014 QU_{167}	35.0905	0.23	2	1	DWF
461524 2003 SS_{264}	5.16	0.39	2		SWF
461646 2005 EZ_{280}	10.	0.6	2−	D	SWF
461651 2005 GM_{11}	>5.48	>0.51			SWF
461852 2006 GY_{2}	2.25	0.1	2−	B	
461924 2006 ST_{65}				HN	DWF
462179 2007 TK_{367}	46.7308	0.18	2		DWF
462238 2008 CN_{1}	6.0555	1.04	3		
462870 2010 VT_{91}	4.05	1.02	2−		SWF
462959 2011 DU	10.290	0.49	3		
463380 2013 BY_{45}	425.	0.49	2	B?	
463891 2014 UZ_{93}	6.98841	0.68	2		DWF
464149 2014 YF_{5}	5.78	1.04	1+		SWF
464673 2001 TY_{59}				HN	DWF
464727 2002 TV_{264}	3.83797	0.26	2		DWF
464797 2004 FZ_{1}	45.4	0.39	2+	B?	
464798 2004 JX_{20}	10.758	0.38−0.50	2	T	
464941 2005 UT_{397}	7.40537	0.17	2		DWF
465048 2006 RY_{41}	2.0950	0.1	1		SWF
465065 2006 SF_{107}	6.267	0.12	1+		SWF
465074 2006 SP_{356}	>5.48	>0.17			SWF
465314 2007 UQ_{59}				HN	DWF
465616 2009 EC	48.6	0.44	2	B?	
466052 2011 PX_{4}	>5.30	>0.17			SWF
466298 2013 QY_{10}	10.1401	0.31	2		DWF
466499 2013 WA_{63}	25.8832	0.26	2	1	DWF
466508 2014 GY_{48}	6.82	0.24	2		
466530 2014 SR	26.6525	0.77	2	1	DWF
467309 1996 AW_{1}	10.773	1.25	3		
467317*2000 QW_{7}	71.57	0.98−1.10	2+	T	
467336 2002 LT_{38}	21.80	1.16	2+	T?	
467351 2003 KO_{2}	6.48	1.28	2+		
467475*2006 RG_{7}	13.53	0.30	2		
467520 2007 GA_{10}	>5.48	>0.20			SWF
467963 2012 JT_{17}	15.69	0.08−0.12	2		
468102 2013 WX_{5}	427.206	0.29	2		DWF
468279 2015 DX_{4}	28.4395	0.32	2		DWF
468329 2016 CU_{231}	318.274	0.40	2	A3	DWF
468448 2003 LS_{3}	5.325	0.23−0.32	3		
468481 2004 TP_{20}	6.78	0.29	2		
468738 2010 TN_{54}	12.12	0.07	2	AT0	
469088 2015 BM_{346}	>5.40	>0.36			SWF
469125 2015 EG_{2}	>3.30	>0.14			SWF
469143 2015 FA_{165}	>5.22	>0.38			SWF
469219 Kamo`oalewa	0.467	0.80	2		
469306 1999 CD_{158}	6.88	0.49	3−		
469362 2001 KB_{77}	>4.	>0.15			
469367 2001 PG_{54}				HN	DWF
469372 2001 QF_{298}		<0.12			
469419 2001 XA_{249}	29.6	0.30	2		
469438 2002 GV_{31}	29.2	0.35	2−	H	DWF
469466 2002 RR_{60}				HN	DWF
469513 2003 QR_{79}	4.11	0.18	2		
469514 2003 QA_{91}				BH	
469540 2003 SK_{323}	8.96	0.59	2		SWF
469581 2003 YU_{35}	2.7909	0.09	3−		
469610*2004 HF_{79}		0.15		N	
469615 2004 PT_{107}	20.	0.05		N	
469634 2004 SZ_{19}	16.39	0.34	2		
469705 2005 EF_{298}	9.65	0.31	2	A	
469708 2005 GE_{187}	11.99	0.29	2		
469737 2005 NW_{44}	31.5	0.13	2		
469800 2005 SZ_{23}	>1.0	>0.23			SWF
469847 2005 TJ_{108}				HN	DWF
469896 2005 WC_{1}	2.582	0.50−2.0	3		
469923 2005 YZ_{191}				HN	DWF
469987 2006 HJ_{123}		0.13		N	
470026 2006 RD_{102}	11.48	0.30	2−		SWF
470181 2006 UX_{335}	>1.90	>0.45			SWF
470308 2007 JH_{43}		0.08		N	
470344 2007 RV_{162}	6.11	0.31	2		SWF
470510 2008 CJ_{116}	32.26	1.00−1.12	3−	T0	
470599*2008 OG_{19}	8.727	0.44	3		
470975*2009 SC_{15}	10.354	0.69	3		
470998 2009 SX_{142}				HN	DWF
471002 2009 SN_{170}				HN	DWF
471137 2010 ET_{65}	7.88	0.13	1+	A	
471143 Dziewanna	7.07	0.12	2	A	
471165 2010 HE_{79}	19.49	0.11	2−	A	
471240 2011 BT_{15}	0.109138	0.61	3		
471241 2011 BX_{18}	4.828	0.27−0.32	2+	A	
471248 2011 BG_{89}				HN	DWF
471271 2011 FZ_{6}	>5.42	>0.25			SWF
471545 2012 KC_{13}				HN	DWF
471746 2012 UL_{58}	>1.9	>0.31			SWF
471956 2013 SC_{25}	12.96	0.72	3−		

Planet	Period	Variation	Note		Survey
472152 2014 DA_{1}	3.71	0.24	2		SWF
472283 2014 WK_{4}	>5.48	>0.51			SWF
472565 2015 DR_{73}	2.89	0.72	2		SWF
472650 2015 DV_{213}	3.1007	0.33	2		DWF
473760 2016 EC_{46}	42.069	0.29	2	1	DWF
473825 2016 EO_{116}	>5.48	>0.34			SWF
474106 2016 LZ_{23}	>5.40	>0.32			SWF
474158 1999 FA	10.092	1.2	3	T-	
474163 1999 SO_{5}	1.380	0.73	3		
474166 1999 TE_{65}	6.98	0.22	2		SWF
474179 1999 VS_{6}	16.91	0.51	2		
474208 2000 SJ_{298}	5.00	0.20	2		SWF
474223*2001 CC_{32}	5.119	0.72	3		
474231 2001 HZ_{7}	65.	0.35	2−		
474279 2001 UK_{31}	2.17	0.26	2		SWF
474310 2002 AN_{50}	7.43	0.56	2		SWF
474389 2002 TP_{131}	2.51	0.17	2		SWF
474496 2003 UX_{9}	24.49	0.28	2		SWF
474711 2005 GC_{216}	4.69	0.51	2		SWF
474717 2005 JA_{55}				HN	DWF
474912 2005 SQ_{213}	5.47	0.42	2		SWF
474916 2005 SU_{218}	10.34	0.82	2		SWF
474952 2005 TX_{21}	24.74	0.30	2		SWF
474966 2005 TD_{59}	>1.33	>0.24			SWF
474968 2005 TL_{61}	7.68	0.29	2		SWF
474969 2005 TH_{63}	>1.9	>0.33			SWF
474981 2005 TL_{101}	8.86	0.52	2		SWF
475015 2005 TN_{191}	7.04	0.78	2		SWF
475078 2005 UZ_{156}	>1.97	>1.01			SWF
475202 2005 VU_{10}	>1.78	>0.23			SWF
475224 2005 VC_{98}	>1.93	>0.50			SWF
475294 2005 XJ_{32}	12.37	0.98	2		SWF
475443 2006 RG_{24}	0.99	0.39	2+		SWF
475467 2006 SL_{81}	13.17	0.87	2		SWF
475537 2006 TA_{15}	6.82	0.35	2		SWF
475573 2006 UC_{10}	2.68	0.37	2		SWF
475592 2006 UE_{60}				HN	DWF
475623 2006 US_{186}	15.48	0.21	2		SWF
475665 2006 VY_{13}	17.507	0.89−1.4	3−		
475746 2006 WN_{102}	>1.52	>0.04			SWF
475958 2007 GQ_{64}	4.81	0.68	2		SWF
475967 2007 JF_{22}	25.60	1.19	3		
475979 2007 PM_{4}	>2.0	>0.45			
475989 2007 PZ_{42}	>2.05	>0.26			SWF
475993 2007 RF	>3.72	>0.21			SWF
476006 2007 RN_{76}	2.27	0.48	2		SWF
476215 2007 US_{107}	1.99	0.36	3−		SWF
476241 2007 VH_{64}	33.57	0.45	2		SWF
476265 2007 VO_{142}	3.22	0.22	2		SWF
476310 2007 XA_{13}	5.94	0.89	2		SWF
476725 2008 UW_{19}	15.79	0.43	2		SWF
476873 2008 VR_{23}	>2.02	>0.37			SWF
476919 2008 WK_{83}	>1.78	>0.15			SWF
477075 2009 BT_{78}	>2.70	>0.20			SWF
477098 2009 BW_{147}	3.02	0.23	2		SWF
477114 2009 BR_{183}	>0.87	>0.17			SWF
477162 2009 ES	28.0	0.33	2	B?	
477230 2009 RW_{6}	>1.0	>0.61		N	
477240 2009 RW_{42}	3.65	0.45	2		SWF
477301 2009 SC_{205}	5.78	0.45	2		SWF
477327 2009 TB_{8}	15.38	0.20	2−		
477495 2010 CH_{56}	7.38	0.55	2		SWF
477653 2010 NH_{45}	>2.02	>0.52			SWF
477667 2010 OG_{15}	>2.32	>0.40			SWF
477762 2010 XZ_{67}	15.04	0.21	2−	T?	
477779 2011 BQ_{26}	>3.72	>0.36			SWF
477798 2011 CM_{67}				HN	DWF
478215 2011 UO_{301}	2.98	0.40	2		SWF
478219 2011 UY_{311}	19.83	0.70	2		SWF
478336 2011 WM_{120}	>3.05	>0.30			SWF
478342 2011 WB_{135}	2.72314	0.47	2		DWF
478427 2012 HE_{21}				HN	DWF
478515 2012 SR_{46}	>1.33	>0.14			SWF
478664 2012 TV_{257}	>1.15	>0.25			SWF
478833 2012 VE_{39}	3.53	0.19	2		SWF
478869 2012 VA_{91}	>1.15	>0.18			SWF
478985 2012 XY_{119}	23.41	1.04	2		SWF
479108 2013 AU_{164}	8.05	0.91	2		SWF
479131 2013 BN_{38}	4.00	0.39	2		SWF
479325 2013 TV_{5}	0.8367	0.42	3		
479350 2013 WZ_{91}				HN	DWF
479424 2013 YV_{82}	8.21	0.61	2		SWF
479445 2013 YE_{114}	>3.72	>0.38			SWF
479466 2013 YB_{140}	5.61	0.81	2		SWF
479496 2014 AN_{42}	7.80	0.42	2		SWF
479597 2014 DN_{6}	3.07	0.30	2		SWF
479600 2014 DZ_{8}	5.03	0.37	2		SWF
479645 2014 DX_{53}	4.14	0.39	2		SWF
479941 2014 HV_{150}	11.16	0.40	2		SWF
479969 2014 JF_{36}	8.42	0.47	2		SWF
479974 2014 JV_{42}	6.47	1.06	2		SWF
479976 2014 JL_{45}	9.52	1.11	2		SWF
480004 2014 KD_{91}	2.829	0.15−0.18	3		
480190 2015 FF_{337}	2.58	0.13	2		SWF
480288 2015 HK_{145}	>1.28	>0.30			SWF
480311 2015 HQ_{174}	2.85	0.54	2		SWF
480440 2015 KY_{134}	4.69	0.28	2		SWF
480580 2015 MP_{79}	11.43	0.71	2		SWF
480702 2015 PX_{173}	>2.02	>0.41			SWF
480959 2003 UZ_{3}	>1.33	>0.21			SWF
480963 2003 UH_{90}	>1.15	>0.26			SWF
480983 2003 YL_{26}	>0.68	>0.12			SWF
481056 2005 LH_{31}	>0.68	>0.24			SWF
481105 2005 TK_{78}	15.48	0.27	2		SWF
481155 2005 UD_{174}	2.77	0.35	2		SWF
481180 2005 UX_{279}	>1.78	>0.37			SWF
481394*2006 SF_{6}	11.4876	0.97−1.10	3		
481457 2006 XD_{2}	3.700	0.87−0.94	3		
481505 2007 EN_{64}	>1.35	>0.17			SWF
481532 2007 LE	2.603	0.15	3	B	
481574 2007 TV_{53}	3.39	0.33	2		SWF
481590 2007 TJ_{169}	>1.78	>0.25			SWF
481606 2007 TA_{406}	>1.0	>0.22			SWF
481738 2008 GP_{23}	10.91	0.79	2		SWF
482020 2009 UU_{127}	3.92	0.26	2		SWF
482250 2011 LL_{2}	0.1032			N	
482470 2012 PA_{26}				HN	DWF
482590 2012 XP_{94}	>2.32	>0.46			SWF
482650 2013 BK_{18}	4.690	0.34	3−		
482796 2013 QJ_{10}	14.5	0.10	2−	A	
482835 2014 AH_{7}	27.59	0.64	2		SWF
482902 2014 HG_{14}	8.86	0.50	2		SWF
483422*2000 CE_{59}	3.623	0.06	1+		
483508*2003 CR_{1}	26.39	0.99−1.35	3−	T	
483656 2005 ES_{70}	1.69	0.55	2		
484402 2007 XH_{16}	3.6342	0.35−0.54	2		
484673 2008 UM_{103}	19.4	0.60	2−		SWF
484795 2009 DE_{47}	5.987	0.24−0.41	3		
484976 2009 UN_{3}	4.123	0.40−0.70	3		
485005 2009 VG_{74}	32.43	0.97	2		SWF
485219 2010 UJ_{99}	>1.5	>0.19			SWF
485652 2011 WO_{41}	4.609	0.14	2	A	
486013 2012 RZ_{16}	>2.70	>0.34			SWF
486717 2014 BU_{54}	64.8288	0.38	2	A	DWF
486813 2014 JL_{15}	188.027	0.28	2		DWF
486958*Arrokoth	15.918	0.17	2	p BN	
488299 2016 UK_{50}	2.20	0.80	2		SWF
488306 2016 UH_{69}	>1.28	>0.14			SWF
488311 2016 UH_{73}	8.16	1.11	2		SWF
488317 2016 UN_{84}	5.30	0.81	2		SWF
488318 2016 UA_{90}	2.57	0.19	2		SWF
488320 2016 UY_{97}	3.73	0.54	2		SWF
488453 1994 XD	2.7365	0.08	3−	BR	
488515 2001 FE_{90}	0.4777	0.80−2.13	3	p	
488737 2004 RE_{124}	114.398	0.28	2		DWF
488790 2004 XP_{75}	16.55	0.45	2		SWF
488822 2005 NC_{16}	3.79224	0.20	2	1	DWF
488828 2005 OU_{26}				HN	DWF
488949 2005 UQ_{169}	24.00	0.48	2		SWF
489258 2006 RB_{93}	17.26	0.3	1		SWF
489337 2006 UM	5.3480	0.82−1.18	3		
489341 2006 UN_{24}	>4.92	>0.33			SWF
489486 2007 GS_{3}	3.497	0.06−0.18	3	BN	
489534 2007 RG_{147}	121.482	0.33	2		DWF
490171 2008 UD_{253}	12.1822	0.35	2		DWF
490184 2008 UD_{285}	>5.40	>0.33			SWF
490332 2009 BE_{185}	5.52259	0.26	2		DWF
490355 2009 FQ_{28}	>5.35	>0.56			SWF
490383 2009 OK_{22}	17.2717	0.51	2		DWF
490581 2009 WZ_{104}	19.304	0.52	2	AT0	

Planet	Period	Variation	Note		Survey
490679 2010 KO_{53}	5.25	0.74	2		SWF
491499 2012 JN_{1}	10.6994	0.21	2		DWF
491565 2012 QF_{49}	2.482	0.03−0.05	2		
491592 2012 SZ_{33}	2.40	0.28	2		SWF
491691 2012 US_{69}	>5.30	>0.40			SWF
491723 2012 UY_{162}	>5.40	>0.42			SWF
492143*2013 OE	77.51	0.89	2	B?	
492215 2013 SY_{52}	18.4925	0.28	2	1	DWF
492240 2013 TT_{114}				HN	DWF
492348 2014 HS_{12}	>1.33	>0.23			SWF
492397 2014 JS_{31}	>5.22	>0.70			SWF
492907 2014 QG_{437}	131.456	0.25	2	A3	DWF
492973 2014 SW_{147}	1.36459	0.21	2	1	DWF
493132 2014 TR_{42}	24.5503	0.48	2		DWF
493427 2014 WN_{291}	1.23754	0.27	2	1	DWF
493455 2014 WH_{394}	14.2077	0.14	2		DWF
493994 2016 AX_{105}	129.629	0.28	2	A	DWF
494294 2016 RP_{29}	>1.97	>0.42			SWF
494343 2016 TC_{47}	3.54	0.26	2		SWF
494381 2016 UQ_{43}	20.17	0.45	2		SWF
494394 2016 UR_{53}	24.74	0.49	2		SWF
494411 2016 UV_{69}	7.23	0.79	2		SWF
494419 2016 UP_{75}	38.71	1.24	2		SWF
494421 2016 US_{75}	3.53	0.52	2		SWF
494422 2016 UM_{81}	6.22	0.44	2		SWF
494423 2016 UO_{81}	7.72	0.22	2		SWF
494424 2016 UK_{82}	4.52	0.35	2		SWF
494427 2016 UO_{84}	4.28	0.20	2		SWF
494440 2016 UJ_{104}	12.37	0.78	2		SWF
494442 2016 UY_{112}	3.93	0.78	2		SWF
494443 2016 UG_{116}	3.07	0.32	2		SWF
494658 2000 UG_{11}	4.44	0.10	3	BR	
494661 2001 RO_{75}	514.225	0.44	2		DWF
494706 2005 GL_{9}	5.131	0.24−0.25	3		
494727 2005 TL_{183}	26.2826	0.25	2	A	DWF
494782 2006 SX_{117}				HN	DWF
494999 2010 JU_{39}	30.2	0.48	2		
495018 2010 RA_{136}	8.28	0.58	2		SWF
495102 2011 UU_{106}	1.850	0.06	1+		
495331 2014 KF_{91}	18.954	0.80	3−		
495453 2014 TE_{21}	2.57	0.68	2		SWF
495584 2015 AW	95.3372	0.22	2	A3	DWF
496018*2008 NU	6.47	0.15−0.22	2+		
496174 2011 CQ_{4}	128.	0.19	2−	A	
496296 2013 BB_{71}				HN	DWF
496759 2016 UY_{117}	21.43	1.24	2		SWF
496816 1989 UP	6.98	1.16	3		
496817 1989 VB	16.	>0.32	2	T0	
496818*1993 RA	7.60	0.06−0.13	2		
496850 1999 UK_{12}	>5.40	>0.36			SWF
496923 2001 UW_{57}	2.02	0.09	1−		SWF
497176 2004 TQ_{13}	60.52	0.63	2+	T0	
497258 2005 JO_{7}				HN	DWF
497438 2005 XJ_{100}				HN	DWF
497445 2005 YQ_{21}				HN	DWF
497619 2006 QL_{39}	19.8482	0.17	2		DWF
497646 2006 RW_{41}	1.5421	0.15	1		SWF
497876 2006 UO_{213}	11.23	0.55	2−		SWF
497939 2006 WS_{96}	>5.42	>0.19			SWF
498059 2007 RA_{70}	>5.48	>0.39			SWF
498133 2007 TU_{39}	>4.95	>0.37			SWF
498325 2007 VC_{182}				HN	DWF
498333 2007 VH_{232}	>4.63	>0.31			SWF
498657 2008 SN_{112}	>5.42	>0.29			SWF
498676 2008 SP_{187}				HN	DWF
498806 2008 UQ_{285}	7.15	0.96	2		SWF
498827 2008 VC_{39}				HN	DWF
498910 2009 AS_{30}				HN	DWF
499279 2009 VW_{70}	>5.35	>0.31			SWF
499308 2009 WP_{53}	155.737	0.58	2		DWF
499366 2009 YO_{21}				HN	DWF
499382 2010 AR_{73}	7.94986	0.43	2		DWF
499685 2010 WA_{16}	>5.48	>0.30			SWF
499703 2011 AA_{8}	5.42	0.66	1		SWF
499764 2011 CJ_{3}	4.25	0.48	1		SWF
499795 2011 CT_{72}	5.05	0.92	2		SWF
499824 2011 DE_{19}	3.20	0.18	1+		SWF
499986 2011 NP	9.82495	0.72	2	A	DWF
500055 2011 UG_{147}	>5.48	>0.44			SWF
500080 2011 WV_{134}	10.105	0.23−0.28	3		

Planet	Period	Variation	Note		Survey
500094*2012 BC_{20}	16.11	0.16	2		
500119 2012 BV_{137}	20.22	0.99	1	DA	SWF
500286 2012 PU_{18}	33.0818	0.48	2		DWF
500599 2012 UX_{118}	>4.63	>0.24			SWF
500853 2013 HT_{120}	5.68	1.05	1	DA	SWF
501246 2013 VC_{16}	>5.40	>0.30			SWF
501307 2013 WD_{74}				HN	DWF
501483 2014 CU_{2}	4.21	0.35	2		SWF
501491 2014 CM_{17}	>5.48	>0.32			SWF
501494 2014 DV_{1}	3.95	0.45	2		SWF
501949 2014 YV_{3}	11.70	0.60	1	DA	SWF
501962 2014 YZ_{15}	5.78	0.72	1+		SWF
501963 2014 YJ_{16}	2.65	0.24	2		SWF
502020 2015 AZ_{80}	7.74	0.70	1	DA	SWF
502032 2015 AA_{118}	5.25	0.88	1		SWF
502099 2015 AB_{262}	>5.35	>0.48			SWF
502161 2015 BV_{53}	19.20	0.45	1+	DA	SWF
502500 2015 BD_{405}	>4.82	>0.46			SWF
502617 2015 CU_{22}	5.75	0.78	2		SWF
502743 2015 DU_{44}	>5.40	>0.28			SWF
502784 2015 DQ_{97}	9.18	0.68	2		SWF
502815 2015 DP_{121}	>5.38	>0.39			SWF
502837 2015 DB_{153}	>5.40	>0.34			SWF
503059 2015 FP_{174}	>5.40	>0.39			SWF
503139 2015 GT_{15}	>5.13	>0.34			SWF
503293 2016 AA_{9}	8.80	0.30	3−		
503529 2016 FG_{20}	2.95	0.48	2		SWF
503785 2016 UW_{67}	>1.15	>0.71			SWF
503911 2002 FD_{6}	2.799	0.16−0.2	1		
503941*2003 UV_{11}	18.25	0.27−0.55	3−	T	
503960*2004 QF_{1}	5.693	0.95	3		
504025 2005 RQ_{6}	13.2021	0.80−0.87	3		
504119 2006 RF_{42}	2.590	0.10	1+		SWF
504127 2006 RN_{79}	>4.65	>0.45			SWF
504353 2007 TD_{367}	59.9116	1.27	2		DWF
504458 2008 CZ_{189}	4.49	0.66	3−		SWF
504505 2008 MH_{1}	5.315	0.30	2+		
504541 2008 SP_{95}				HN	DWF
504746 2009 WJ_{25}	11.71	0.80	2		SWF
505017 2011 QU_{2}				HN	DWF
505476 2013 UL_{15}	11.78	0.20	2		
505477 2013 UM_{15}	6.42	0.11	2		
505518 2013 YO_{9}	5.55	0.67	2		SWF
505524 2013 YU_{24}				HN	DWF
505589 2014 CZ_{4}	3.26715	0.15	2		DWF
505657 2014 SR_{339}	8.71	0.75−0.93	3		
505666 2014 UL_{32}	>4.95	>0.38			SWF
505667 2014 UV_{33}	18.83	1.15	3		
505678 2014 VL_{37}	26.3239	0.14	2	1	DWF
505830 2015 BL_{496}	>4.55	>0.35			SWF
506231 2016 LO_{49}	568.875	0.55	2	A	DWF
506283 2016 UR_{91}	2.60	0.37	2		SWF
506459 2002 AL_{14}	2.3088	0.35	2	N	
507297 2011 KB_{31}				HN	DWF
507366 2011 XO_{3}	9.117	1.11	3−		
507767 2013 YG_{103}				HN	DWF
507924 2014 XH_{38}	142.612	0.32	2	A	DWF
508011 2015 BB_{313}	2.86	0.41	1+		SWF
508084 2015 DT_{86}	5.89	0.92	2		SWF
508096 2015 DU_{131}	>4.73	>0.30			SWF
508558 2016 UO_{87}	5.56	0.63	2		SWF
508695 2017 UK_{19}	>5.30	>0.46			SWF
508697 2017 UQ_{19}	>5.40	>0.56			SWF
508699 2017 UY_{19}	>5.42	>0.29			SWF
508700 2017 UA_{20}	>5.38	>0.28			SWF
508704 2017 UY_{20}	>5.48	>0.40			SWF
508735 2017 UE_{29}	>5.42	>0.30			SWF
508869 2002 VT_{130}		0.21		BHN	
508871 2003 CN_{17}	12.998	0.75	3−		
508912 2004 BB	5.720	0.07−0.10	2	A	
509792 2008 UK_{242}	3.78	0.41	2		SWF
509911 2009 FW_{7}	>5.48	>0.48			SWF
509936 2009 QT_{19}				HN	DWF
509949 2009 SN_{20}				HN	DWF
509971 2009 SS_{333}				HN	DWF
509984 2009 UT_{49}				HN	DWF
509990 2009 US_{113}				HN	DWF
510317 2011 QN_{99}	8.50	0.71	2		SWF
510686 2012 UH_{90}	10.91	0.75	2		SWF
511112 2013 WC_{14}				HN	DWF

Planet	Period	Variation	Note		Survey
511117 2013 WK_{46}				HN	DWF
511137 2013 XM_{24}	37.9	0.80	2	T	
511155 2013 YR_{39}	3.90	0.79	2		SWF
511171 2013 YM_{62}	8.57	0.42	2		SWF
511179 2013 YO_{83}	8.99	0.35	2		SWF
511250 2014 BD_{47}	5.78	0.65	2		SWF
511309 2014 DF_{96}	>2.75	>0.18			SWF
511523 2014 QS_{439}	6.05625	0.27	2	1	DWF
511684*2015 BN_{509}	5.6713	0.78−1.01	3		
511777 2015 EZ	6.57	0.16	2	A	
511980 2015 KE_{75}	>2.02	>0.23			SWF
512245*2016 AU_{8}	4.516	0.26−0.31	3		
512634 2016 TA_{47}	6.42	0.55	2		SWF
512729 2016 UF_{23}	>1.33	>0.22			SWF
512779 2016 UY_{69}	28.57	0.58	2		SWF
512786 2016 UQ_{72}	26.52	0.63	2		SWF
512795 2016 UO_{82}	6.63	0.74	2		SWF
512801 2016 UA_{87}	7.36	0.67	2		SWF
512813 2016 UH_{96}	5.27	0.27	2		SWF
512822 2016 UL_{105}	6.49	0.60	2		SWF
512826 2016 UN_{107}	2.20	0.46	2		SWF
512828 2016 UD_{109}	25.26	0.54	2		SWF
512833 2016 UM_{114}	7.87	0.70	2		SWF
512932 2017 AW_{8}	>1.35	>0.18			SWF
512958 2017 SX_{8}	4.77	0.17	2		SWF
513165 2004 CK_{39}	5.631	0.69	3		
513181 2005 BS_{27}	6.602	0.68	3−		
513286*2006 XG_{12}	3.9859	0.14	2−		
513297 2007 BF_{71}	>3.72	>0.20			SWF
513473 2009 CR_{38}	>4.35	>0.36			SWF
513494 2009 FC_{57}	7.5	>0.3	2		
513550 2010 NG_{3}	4.229	0.33	2+		
513603 2011 FX_{152}				HN	DWF
513720 2012 TB_{4}	6.3	0.51	2		
513723 2012 TK_{44}	3.36	0.54	2		SWF
513845 2013 GD_{57}	>5.33	>0.61			SWF
513917 2014 AF_{53}	5.36	0.72	2		SWF
513927 2014 CD_{22}	4.00	0.37	2		SWF
514059 2014 OZ_{352}	2.98	0.54	2		SWF
514106 2015 BG_{301}	5.21	0.58	2		SWF
514118 2015 FL_{141}	7.48	0.56	2		SWF
514351 2016 PF_{96}	>4.35	>0.80			SWF
514399 2016 SU_{37}	>4.35	>0.35			SWF
514451 2016 UM_{74}	4.50	0.41	2		SWF
514454 2016 UB_{82}	12.50	0.35	2		SWF
514456 2016 UB_{89}	11.97	0.68	2		SWF
514464 2016 UR_{118}	6.00	0.85	2		SWF
514479*2016 VB_{15}	3.57	0.94−0.95	2		SWF
514596 2003 FG	8.692	1.4	3		
514764 2007 EV_{114}	5.85	0.51	2		SWF
514835 2008 CO_{91}				HN	DWF
515082 2010 TM_{3}	0.043081	0.55	1		
515463 2013 YR_{62}	6.27	0.86	2		SWF
515693 2014 QF_{54}	>1.35	>0.23			SWF
515767 2015 JA_{2}	0.9801	0.10	2		
515769 2015 KK_{10}	>0.55	>0.18			SWF
516154 2016 CL_{32}	11.181	1.57	3		
516227 2016 UL_{17}	10.96	0.39	2		SWF
516253 2016 UG_{105}	2.05	0.34	2		SWF
516264 2016 VC	>2.4	>0.40			
516458 2005 JP_{147}	44.44	0.60	2		SWF
516977*2012 HZ_{84}	18.8784	0.40	2−		
517007 2012 TQ_{212}	3.50	0.25	2		SWF
517638 2015 AJ_{197}	9.90	0.40	1	DA	SWF
517681 2015 DE_{198}	33.558	0.27	2	A	DWF
518246 2016 UV_{72}	40.34	0.81	2		SWF
518507 2006 EE_{1}	4.62	0.10	1		
518635 2008 HO_{3}	13.413	0.88	3		
518638 2008 JP_{14}	2.488	0.08	2		
518640*2008 KZ_{5}	5.789	0.31	3−		
518735 2009 JL_{1}	5.78	0.11−0.23	2+		
520895 2014 WX_{526}	10.5566	0.32	2		DWF
522684*2016 JP	37.4	0.16−0.41	2	A	
523186 2016 UG_{5}	109.09	0.97	2		SWF
523444 2017 FJ_{9}	103.03	0.36	2		DWF
523587 1999 VQ_{11}	32.21	0.79	2		
523603 2004 QJ_{7}	1.28	0.27	1		
523604 2004 QB_{17}	74.97	0.15	3−	B?	
523609 2005 PJ_{2}	1.42	0.8	1		
523610 2005 TG	100.316	0.46	2		DWF

Planet	Period	Variation	Note		Survey
523619*2007 RX_{19}	8.64	0.67−0.68	3		
523624 2008 CT_{190}				BN	
523625 2008 DG_{17}	3.643	0.08	2	AB	
523631*2009 SX_{1}	4.1321	0.08−0.20	2		
523633 2009 XR_{2}	5.828	0.88−0.92	3		
523640 2010 RO_{64}		0.16		N	
523641*2010 RO_{82}	12.4809	0.20	2		DWF
523643 2010 TY_{53}		0.14		N	
523645 2010 VK_{201}	7.59	0.30	2		
523651 2011 GA_{62}	2.6511	0.15	3		
523664 2012 OD_{1}	12.63	0.63	2+		
523667 2012 TM_{139}	2.68	0.18	2−	A	
523670 2013 EP_{41}	12.28	0.14	2+		
523721*2014 LR_{28}	>4.0	>0.25			
523775 2014 YB_{35}	3.277	0.16	2+	B	
523779 2015 AX_{16}	5.658	0.19	2		
523788*2015 FP_{118}	3.0917	0.12−0.13	3		
523805 2001 QA_{143}	11.78	0.25	2		
523806 2002 WW_{17}	10.5106	0.80−1.90	3−	IH	
523811*2008 TQ_{2}	1.3549	0.37	2	T	
523815 2009 HW_{44}	6.85	1.00	3−		
523817 2009 TK	0.10794	0.28	3		
523826*1990 UP	20.	0.8	2	T0	
523899*1997 CV_{29}	15.8	>0.3	2		
523983*1999 RY_{214}				BHN	
524126*2000 SO_{185}	21.9152	0.24	2		DWF
524196*2001 QP_{181}	17.05	0.16	2−	T0	
524198*2001 QC_{333}	4.17362	0.19	2		DWF
524205*2001 RN_{57}	26.3772	0.28	2		DWF
524217*2001 RZ_{143}				BHN	
524235*2001 SU_{212}	12.0019	0.29	2	1	DWF
524302*2001 UW_{136}	3.62875	0.14	2		DWF
524471*2002 JW_{15}	11.489	0.38−0.45	3	T	
524493*2002 RM		1.5		I	
524522*2002 VE_{68}	13.50	0.90−1.22	3	T?	
524531*2002 XH_{91}				BHN	
524594*2003 NW_{1}	37.7	0.74	2	T	
524606*2003 QT_{79}	44.3869	0.17	2		DWF
524639*2003 SA_{169}	119.473	0.26	2		DWF
524702*2003 UT_{19}	49.4678	0.55	2		DWF
524801*2003 WN_{156}	10.43	0.12	2		SWF
524992*2004 QH_{2}	7.22606	0.17	2		DWF
525095*2004 TX_{10}	44.6952	0.27	2	1	DWF
525460*2005 EX_{297}		0.10		N	
525462*2005 EO_{304}				BN	
525477*2005 FC_{3}	430.	0.17−0.44	2	T0	
525595*2005 JP_{179}		0.08		N	
525816*2005 SF_{278}				BN	
526156*2005 VU_{102}	595.296	0.34	2		DWF
526203*2005 WF_{151}	2.51477	0.26	2	A	DWF
526238*2005 YY_{36}	3.1776	0.16−0.23	3−		
526358*2006 DS_{89}				HN	DWF
526416*2006 JB_{13}	8.70	0.77	2		SWF
526482*2006 RE_{18}	4.327	0.10	1		SWF
527126*2007 TF_{39}				HN	DWF
527411*2007 UZ_{61}				HN	DWF
527530*2007 VV_{126}	12.54	0.69	1	DA	SWF
527591*2007 VH_{269}	122.407	0.21	2		DWF
527715*2007 YQ_{56}	60.8	0.52	2		
528159*2008 HS_{3}	10.68	0.13−0.94	3−	T	
528407*2008 TO_{52}	>4.73	>0.38			SWF
528650*2008 WX_{32}	5.056	0.82	3		
528736*2008 YS_{126}	195.973	0.60	2		DWF
528857*2009 CT	42.0	0.63	2+		
529060*2009 QB_{5}	6.22	0.71	2		SWF
529092*2009 RR_{7}	11.2747	0.60	2		DWF
529227*2009 SV_{352}	>1.97	>0.34			SWF
529288*2009 UE_{103}	67.3221	0.18	2		DWF
529452*2010 AR_{24}				HN	DWF
529668*2010 JL_{33}	9.443	0.53−0.76	3−		
529752*2010 MR	2.4645	0.13−0.22	2		
530095*2010 XB_{40}	66.6945	0.18	2	A	DWF
530231*2011 BV_{163}	>2.5	>0.15		N	
530520*2011 LT_{17}	1.291	0.16	2	A	
530531*2011 OL_{5}	10.1873	0.87	2		DWF
530640*2011 SB_{169}	7.87	1.19	2		SWF
531076*2012 DA_{99}		0.10		N	
531899*2013 BE_{19}	115.	0.40	2−	T0	
532037*2013 FY_{27}				BNH	
532211*2013 PE_{36}	107.959	0.22	2	A	DWF

Planet	Period	Variation	Note		Survey
532749*2013 WE_{33}				HN	DWF
532874*2013 YZ_{13}	23.86	0.93	2+		
532908*2013 YA_{49}	3.68	0.37	2		SWF
532932*2013 YD_{78}	7.74	0.40	2		SWF
532965*2013 YF_{128}	69.5235	0.34	2		DWF
533007*2014 AL_{19}	5.65	0.86	2		SWF
533011*2014 AY_{28}	0.9139	0.50−0.54	3		
533320*2014 FE_{3}	7.92	0.77	2		SWF
533397*2014 GZ_{53}		0.10		N	
533562*2014 JQ_{80}	12.16	0.76	3−		
533671*2014 LJ_{21}	16.41	0.19	2+		
533676*2014 LS_{28}	11.07	0.35	3−		
533990*2014 QX_{266}	0.220054	0.43	3−		
533995*2014 QS_{274}	40.5669	0.30	2		DWF
534260*2014 SZ_{256}	3.00	0.39	1+		SWF
534346*2014 TR_{21}	9.06	1.03	2		SWF
534355*2014 TK_{35}	5.25568	0.43	2		DWF
534500*2014 UU_{57}	46.0352	0.27	2		DWF
534517*2014 UX_{88}	2.99	0.47	1+		SWF
534540*2014 UV_{111}	65.7877	0.24	2		DWF
534896*2014 WF_{306}	3.38806	0.29	2		DWF
535189*2014 YH_{6}	4.25	0.61	2−		SWF
535844*2015 BY_{310}	0.092670	0.70	3		
536258*2015 CJ_{45}	3.87	0.70	1		SWF
536331*2015 DZ_{16}	6.83	0.81	2		SWF
536357*2015 DQ_{37}	>4.73	>0.28			SWF
536358*2015 DC_{38}	254.857	0.19	2	1	DWF
536520*2015 DD_{210}	7.49923	0.31	2	1	DWF
537342*2015 KN_{120}	9.090	0.44−0.59	3	T	
537395*2015 LG_{2}	16.31	0.40	2	A	
537686*2015 SA_{17}	9.89	0.22	2+		
539066*2016 MG_{2}	42.7708	0.24	2	1	DWF
539678*2016 TZ_{46}	32.43	0.71	2		SWF
539729*2016 UB_{50}	3.61	0.69	2		SWF
539739*2016 UT_{68}	6.02	0.73	2		SWF
539758*2016 UN_{102}	34.78	0.68	2		SWF
540365*2017 SA_{32}	>5.48	>0.35			SWF
542664*2013 GJ_{83}	37.544	0.23	2	A	DWF
542995*2013 QU_{69}	8.89	0.70	2−		SWF
543339*2014 AX_{12}	73.2842	0.25	2	A3	DWF
544019*2014 RQ_{12}	85.6134	0.17	2	A	DWF
544646*2014 WJ_{233}	28.3965	0.13	2	A	DWF

N o t e s. An asterisk (*) between the asteroid number and name denotes a new or significantly changed entry (data have been changed over three units of the last decimals or have been added) as compared with the lightcurve parameters table published last year. Also asterisk marks entries where the reliability code has been changed or new symbol A or B or T has been added (or eliminated). It goes without saying that some entries which were present in the preceding volumes of the EMP can be deleted as a consequence of revision of available data.

In column "Period" the rotation period expressed in hours is given. The value quoted is the most reliable of the individual values reported, or a subjective "best estimate" based on sometimes discordant results. In some cases "U" flag (Uncertain) before given value indicates that the data did not allow finding a definite period and so the author(s) reported a "best guess". Such cases should be distinguished from ambiguous (see below) where one or several additional periods are reported. In most cases, the period given is synodic and not sidereal. An "S" flag before given value indicates that the period is sidereal. An flag D denotes that no numerical value for period has been derived.

In column "Variation" the amplitude of variation or range of amplitude observed at all aspects is given (some adjustments have been made to estimate the amplitude which would have been observed at low phase angle at the same aspect).

In column "Note" a reliability code is given. The code provides assessment of the quality of the period solution, not necessarily of the data per se. The uniqueness of the solution, while an important factor, is not the sole consideration in making an assessment. The table below gives the general outline of the criteria used, going from highest to lowest rating.

3 The lightcurve is completely unambiguous in terms of period, i. e., there are no cycle ambiguities or possible solutions with single, triple, or other number of extrema. The coverage of the entire rotation phase is to the degree that any remaining small gaps can be confidently interpolated.

3− A unique period determination, but possibly some moderate gaps in coverage, enough so that interpolation of the entire curve is not certain, but not enough to allow any other solution.

2+ It is unlikely but not impossible that the period is in error due to cycle counts or alternate numbers of extrema per cycle, and no more than moderate gaps in coverage (as in $U = 3-$).

2 Result based on less than full coverage, so that the period may be wrong by 30 percent or so. Also, a quality of 2 is used to note results where an ambiguity exists as to the number of extrema per cycle or the number of elapsed cycles between lightcurves. Hence the result may be wrong by an integer ratio.

2− Period and total amplitude not firmly established. For example, a single night coverage of about half a cycle including a maximum and minimum, but not enough to actually derive an accurate period.

1+ Similar to $U = 2-$, but with less amplitude so that it is not absolutely certain that the variations are true rotational variation and not due to noise, etc.

1 May be completely wrong. What is interpreted as rotational variation may be just noise, calibration error, etc.

1− Probably wrong. A lightcurve that may be completely wrong (as in $U = 1$) but, in addition, the claimed period is very unlikely, e. g., a large object with a claim of $P < 2h$.

0 Result later proven incorrect. This appears only on records of individual observations.

Assignment of the refined ratings using a + or − is a work in progress. Therefore, not all reliability code ratings will match what ones would give under current rules and are subject to change.

N. B. Until the volume of EMP for 2010 a value of "4" for the reliability code, which indicated that a pole solution had been reported, also was used. This is no longer the case since, in the past, there have been cases where a 4 was assigned because there was a pole solution given but the best available period solution was no better than 2. The period solution quality is now indepedent of any pole solution. A separate "Pole" flag 'p' in the Table, which is following a reliability code, is used to indicate that a pole solution has been reported. The data on pole solution are given in the asteroid spin axes Table which includes details and its own quality code assignment.

Following the reliability code is a space for remarks, with the following meanings:

- Blank NONE;
- «X» X is an integer, e. g., 3 for a trimodal curve (three min/max per rotation) or 4 quadrimodal curve (four min/max per rotation), etc;
- A Ambiguous period. The "most likely" period is listed, with other possible values given in the Table "Ambigues periods of lightcurves";
- B Binary asteroid. Additional information may be given in the Tables "Binary asteroids lightcurves" and "Binary asteroid parameters";
- D Period determined from that given in the original publications;
- H Space telescope observations (optical);
- I IR/Thermal observations (e. g., Spitzer);
- M Multiple system;
- N No lightcurve published;
- O Adaptive optics observation;
- P Photographic photometry;
- R Radar observation;
- S Spectroscopic;
- T "Tumbling", that is non-principal axis rotation. See details bellow in these notes and also in the Table "Non-principal axis rotation ("tumbling") asteroids;
- V Visual photometry;
- ? Usually tied with "T" or "B" flags to indicate uncertainty.

The T flag currently has four possible qualifiers:

- Blank The asteroid is definitely tumbling;
- ? Possible tumbler. There is some evidence that the asteroid might be a tumbler;
- 0 The tumbling damping time scale (see Pravec 2005, Icarus) is long enough that tumbling might be expected, but observations are not sufficient to substantiate either tumbling or not tumbling;
- − The tumbling damping time scale is long enough that tumbling might be expected, but observations indicate that the object is NOT tumbling;
- + The tumbling damping time scale is short enough that tumbling would not seem likely, however observations indicate that it may be tumbling or actually is tumbling.

In column "Survey" type of survey is given if result from large survey programs, e. g., PTF, WTF, Kepler, TESS, PanSTARRS, etc.

- BLANK Not from a large survey, e. g., dense lightcurve only;
- DWF Dense Wide-Field, e. g., Kepler and TESS;
- LCI-D Derived from Lightcurve Inversion that relies in part on dense lightcurves;
- LCI-S Derived from Lightcurve Inversion using only sparse data, e. g., from Gaia2, NEA surveys, Pan-STARRS;
- SD Sparse Data, e. g., Dermawan;
- SWF Sparse Wide-Field, e. g., TALCS, PTF, ZTF.