

AMBIGUOUS PERIODS OF LIGHTCURVES

Asteroid	Note	Per ₁	Amp ₁	Per ₂	Amp ₂	Per ₃	Amp ₃	Per ₄	Amp ₄	Reference
1782 Schneller	DAW 1A	11.86 5.93	0.71 0.71	11.86	0.71					Chang, 16
1917*Cuyo	A A	2.6890 2.743	0.41 0.16	2.911	0.17					Warner, 17
1928 Summa	A A	6.8549 6.855	0.18 0.13	5.987	0.04					Owings, 13
1947 Iso-Heikkilä	NA NA	5.0158 5.0158	0.35 0.35	3.2895	0.23	6.3792	0.39			Galad, 10
1990*Pilcher	A A	2.842 2.842	0.10 0.10	3.895	0.10					Brincat, 17
2020 Ukko	A A	25.478 25.478	0.24 0.24	12.733	0.24	38.154	0.24			Pilcher, 15
2023 Asaph	A A	3.87 3.87	0.06 0.05	6.28	0.05					Warner, 10
2037 Tripaxepetalis	A A	2.33 2.33	0.10 0.10	2.23	0.10					Galad, 08
2067 Aksnes	A A	17.75 17.75	0.24 0.24	8.86	0.24					Dahlgren, 98
2085*Henan	A A	24. 110.	0.25 0.4	94.	0.4					Devogele, 17
2108 Otto Schmidt	A A	6.90 6.90	0.16 0.16	6.31	0.16					Warner, 17
2221 Chilton	A A	7.445 7.445	0.20 0.20	8.63	0.20					Sada, 06
2259 Sofievka	A 1A	31.6 9.80	0.10 0.10	19.60	0.10					Chang, 16
2388 Gase	DAW 1A	26.30 13.15	0.48 0.48	26.30	0.48					Chang, 16
2540 Blok	DAW 1A	19.20 9.60	0.07 0.07	19.20	0.07					Chang, 16
2599 Veselí	A A	18.54 18.54	0.33 0.33	13.25	0.33					Bolt, 07
2651 Karen	A A	6.3227 6.3227	0.25 0.25	12.7	0.25	9.5	0.25			Bembrick, 07
2696 Magion	AT0 AT?	480. 480.	0.31 0.31	350.	0.32					Galad, 09
2883*Barabashov	A A A	2.6840 2.72 2.6840	0.05 0.05 0.04	5.48 5.3680	0.05 0.04					Warner, 17 Pravec, 17w
2948 Amosov	A A	7.3996 7.3996	1.20 1.2	6.4106	1.2	8.754	1.2			Galad, 08
2972 Niilo	4A 4A	8.592 8.592	0.12 0.12	4.296	0.12					Pravec, 15w
2986 Mrinalini	A A	15.9 15.9	0.2 0.2	11.9	0.2					Galad, 09
3026 Sarastro	DAW 1A	15.74 7.87	0.2 0.2	15.74	0.21					Chang, 16
3253 Gradie	A A	6.293 6.293	0.54 0.54	5.915	0.54	6.760	0.54			Wisniewski, 97
3494*Purple Mountain	A A A	5.857 5.857 2.928	0.40 0.32 0.40	2.929 5.857	0.32 0.42					Cantu, 16 Kosiarek, 17
3552 Don Quixote	A A	7.7 7.7	0.57 0.57	6.65	0.57					Weidenschilling, 90

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3782 Celle	AB A	3.84 3.8389	0.17 0.12	3.9419	0.12					Bowens-Rubin, 14
3855 Pasasymphonia	A A	6.5131 6.5131	0.18 0.18	7.542	0.18					Pravec, 09w
3872 Akirafujii	A A	10.635 10.635	0.35 0.35	5.321	0.35					Clark, 07
4015 Wilson-Harrington	A AT?	3.5736 3.5736	0.12 0.10	7.1496	0.10					Urakawa, 11
4171 Carrasco	A A	33.53 33.53	0.22 0.22	16.77	0.22					Pravec, 09w
4436 Ortizmoreno	A A	8.24 8.24	0.40 0.09	16.4	0.09					Warner, 13
5043 Zadornov	DAW 1A	25.60 12.80	0.18 0.18	25.60	0.18					Chang, 16
5091 Isakovskij	DAW 1A	13.62 6.81	0.53 0.53	13.62	0.53					Chang, 16
5268 Černohorský	DAW 1A	15.60 7.80	0.08 0.08	15.60	0.08					Chang, 16
5401 Minamioda	A A	3.949 3.949	0.11 0.11	7.897	0.11					Marchini, 16
5436*Eumelos	A N H H	38.41 38.41 21.276 21.23	0.68 0.68 0.44 0.40							French, 13 Veres, 15 Szabo, 17 Ryan, 17
5479 Grahamryder	A A	7.60 7.60	0.30 0.30	11.12	0.30					Galad, 10
5535 Annefrank	A A	15.12 15.12	0.25 0.25	12.	0.25	22.8	0.25			Schmidt, 07
5643 Roques	DAW 1A	7.78 3.89	0.30 0.30	7.78	0.30					Chang, 16
5711*Eneev	A A	107.1 107.1	0.15 0.15	53.25	0.14					Warner, 18
5771 Somerville	A A	9.20 9.20	0.80 0.80	7.7	0.80					Warner, 12
6037 1988 EG	A A	2.760 2.760	0.2 0.20	2.919	0.22					Pravec, 98w
6153 Hershey	A A	6.094 6.094	0.06 0.06	8.174	0.14					Higgins, 06
6344 1993 VM	DAW 1A	8.24 4.12	0.82 0.82	8.24	0.82					Chang, 16
6405 Komiyama	A A	19.855 19.855	0.13 0.13	9.929	0.13					Pravec, 09w
6455 1992 HE	A A	2.736 5.471	0.21 0.10	2.739	0.11					Pravec, 02w
6539 Nohavica	DAW 1A	5.80 2.90	0.66 0.66	5.80	0.66					Chang, 16
6693*1986 CC ₂	A A	11.39 11.39	0.28 0.28	9.21	0.24					Rowe, 18
6859 Datemasamune	A A	5.2879 5.2879	0.06 0.06	2.6440	0.05					Warner, 16
6901 Roybishop	AB? A	4.682 4.694	0.07 0.07	7.857	0.03					Warner, 15
6984 Lewiscarroll	A	24.65	0.16							

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Asteroid	Note	Per ₁	Amp ₁	Per ₂	Amp ₂	Per ₃	Amp ₃	Per ₄	Amp ₄	Reference
	A	24.65	0.16	48.85	0.12	12.19	0.12			Stephens, 16
7148 Reinholdbien	DAW 1A	11.92 5.96	0.44 0.44	11.92	0.44					Chang, 16
7437 Torricelli	DAW 1A	13.72 6.86	0.41 0.41	13.72	0.41					Chang, 16
7559 Kirstinemeyer	A A	5.475 5.475	0.05 0.05	10.971	0.05					Oey, 12
7757 Kameya	A A	5.98 5.98	0.11 0.11	7.96	0.11	11.94	0.11			Warner, 05
8013 Gordonmoore	A A	8.40 8.40	0.25 0.25	4.19	0.25					Warner, 16
8021 Walter	A A	4.84 4.84	0.07 0.07	9.68	0.07					Warner, 09
8034 Akka	A A A	7.283 3.6377 7.283	0.52 0.52 0.46	7.283 3.6377	0.52 0.46					Pravec, 98 Wisniewski, 97
8348 Bhattacharyya	A A	19.60 19.58	0.10 0.10	39.83	0.10					Warner, 13
8432 Tamakasuga	DAW 1A	12.08 6.04	0.23 0.23	12.08	0.23					Chang, 16
8463 Naomimurdoch	A 1A	3.74 3.74	0.17 0.17	7.50	0.17					Benishek, 16
8551*Daitarabochi	A A	6.62 6.62	0.19 0.19	3.31	0.20					Warner, 18
8590 Pygargus	DAW 1A	17.62 8.81	0.20 0.20	17.62	0.20					Chang, 16
8833 Acer	DAW 1A	27.42 13.71	0.35 0.35	27.42	0.35					Chang, 16
8928 1996 YH ₂	A A	2.5689 2.5689	0.07 0.07	3.85	0.07					Pravec, 14w
10187 1996 JV	A A	21.676 21.676	0.20 0.10	10.838	0.10					Pravec, 11w
10227 Izanami	A A	2.920 2.920	0.16 0.16	7.422	0.16	3.327	0.16	3.836	0.16	Galad, 08
10373 MacRobert	DAW 1A	9.42 4.71	1.10 1.10	9.42	1.10					Chang, 16
10731 1988 BL ₃	A A	28.02 28.02	0.41 0.23	17.72	0.20					Pray, 11w
10936*1998 FN ₁₁	A A A	25.70 17.3 25.70	0.40 0.35 0.28	26.2 17.00	0.35 0.28					Warner, 08 Warner, 11
11120 Pancaldi	DAW 1A	10.78 5.39	0.48 0.48	10.78	0.48					Chang, 16
11574 d'Alviella	A A	12.549 12.549	0.15 0.15	25.10	0.15					Higgins, 07
11789 Kempowski	AT0 A	48.6 48.6	0.45 0.45	24.1	0.40					Warner, 09
12119 Memamis	DAW 1A	7.00 3.50	0.70 0.70	7.00	0.70					Chang, 16
12236 1987 DD ₆	DAW 1A	6.06 3.03	0.95 0.95	6.06	0.95					Chang, 16
12538 1998 OH	A A A	5.154 5.833 5.191	0.20 0.12 0.13	2.914 5.827	0.11 0.12					Warner, 15 Warner, 17

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Asteroid	Note	Per ₁	Amp ₁	Per ₂	Amp ₂	Per ₃	Amp ₃	Per ₄	Amp ₄	Reference
12699 1990 <i>DD</i> ₂	DAW 1A	21.10 10.55	0.34 0.34	21.10	0.34					Chang, 16
12815 1996 <i>DL</i> ₂	A A	15.8 15.8	0.5 0.5	11.9	0.5					Galad, 09
12820 Robinwilliams	DAW 1A	10.44 5.22	0.36 0.36	10.44	0.36					Chang, 16
12896 Geoffroy	DAW 1A	11.36 5.68	0.23 0.23	11.36	0.23					Chang, 16
12920 1998 <i>VM</i> ₁₅	A A	9.0511 9.0511	0.31 0.19	12.885	0.31					Clark, 15
13379*1998 <i>WX</i> ₉	HA H N H	13.698 13.698 13.70	0.15 0.11 0.15							Szabo, 17 Veres, 15 Ryan, 17
13503 1988 <i>RH</i> ₆	AW A	6.9 6.9	0.23 0.23	13.8	0.23					Polishook, 12
13573 1993 <i>FZ</i> ₁₈	A A	3.06 3.06	0.07 0.07	6.12	0.07					Warner, 13
13921 Sgarbini	A A	3.679 3.679	0.12 0.12	7.358	0.12					Pravec, 06w
14279 2000 <i>CD</i> ₆₅	DAW 1A	8.72 4.36	0.42 0.42	8.72	0.42					Chang, 16
14431 1992 <i>DX</i> ₈	A A	9.222 9.222	0.26 0.26	6.589	0.26	7.636	0.26	7.726	0.26	Galad, 08
14728 Schuchardt	A A	4.636 4.636	0.9 0.9	5.6	0.9					Galad, 08
15535 2000 <i>AT</i> ₁₇₇	A A	6.016 6.016	0.32 0.32	6.896	0.32					Stephens, 16
15786 1993 <i>RS</i>	A A	6.82 6.82	0.21 0.14	5.97	0.15	4.78	0.14			Warner, 15
15874 1996 <i>TL</i> ₆₆	1A 1A	12. 12.	0.07 0.07	8.04	0.07	6.	0.07			Thirouin, 10
15914 1997 <i>UM</i> ₃	A A	12.8 12.8	0.5 0.5	8.5	0.5					Galad, 09
16124 Timdong	DAW 1A	10.54 5.27	0.25 0.25	10.54	0.25					Chang, 16
16338 1106 <i>T</i> -3	A A	29.226 29.226	0.09 0.09	14.603	0.09					Pravec, 16w
16562*1992 <i>AV</i> ₁	A A	34.85 12.251	0.32 0.04	6.51	0.07					Warner, 11
16813 1997 <i>UT</i> ₆	A A	8.768 8.293	0.29 0.24	7.880	0.24					Hayes-Gehrke, 15
16960 1998 <i>QS</i> ₅₂	A A	5.789 5.789	1.40 0.24	2.900	0.24					Warner, 09
17633 1996 <i>JU</i>	A A	6.2098 6.20	0.26 0.21	3.10	0.21					Warner, 14
19308 1996 <i>TO</i> ₆₆	A A	7.92 7.92	0.26 0.26	3.96	0.26	4.80	0.26	5.9	0.26	Sheppard, 03
19309 1996 <i>UK</i> ₁	A A	5.21 5.21	0.06 0.06	4.16	0.06	5.91	0.06			Galad, 08
19537 1999 <i>JL</i> ₈	ATO A	50.1 50.1	0.10 0.10	25.2	0.10					Warner, 12
21321 1997 <i>AN</i> ₂	A A	13.92 13.92	0.11 0.11	6.96	0.11					Warner, 14

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Asteroid	Note	Per ₁	Amp ₁	Per ₂	Amp ₂	Per ₃	Amp ₃	Per ₄	Amp ₄	Reference
22001 1999 XY ₄₁	DAW 1A	9.64 4.82	0.16 0.16	9.64	0.16					Chang, 16
22124 2000 ST ₁₈₃	DAW 1A	4.76 2.38	0.92 0.92	4.76	0.92					Chang, 16
22195 Nevadodelruiz	A A	14.56 14.56	0.19 0.19	9.07	0.19					Warner, 09
22753 1998 WT	A A	10.24 10.24	0.11 0.11	13.05	0.16					Galad, 05
23706 1997 SY ₃₂	A A	7.04 7.04	0.11 0.11	8.24	0.11					Stephens, 16w
24443*2000 OG	A A	4.069 4.069	0.19 0.11	4.904	0.10					Warner, 15
24770 1993 FG ₂₈	DAW 1A	7.90 3.95	0.81 0.81	7.90	0.81					Chang, 16
24819 1994 XY ₄	A A	27.73 27.73	0.04 0.04	57.57	0.09					Warner, 08
24835 1995 SM ₅₅	A 2A	8.08 8.08	0.19 0.19	4.04	0.19					Sheppard, 03
25318 1999 CH ₁₂	A A	15.80 15.80	0.09 0.09	7.93	0.11					Stephens, 15
25458 1999 XT ₁₃	A A	3.6594 3.6594	0.30 0.30	1.829	0.30					Pravec, 06w
26093 1987 UA ₁	A A	3.3186 3.3186	0.10 0.10	6.637	0.10					Pravec, 12w
26227 1998 HJ ₇	A A	22.07 22.07	0.15 0.15	11.03	0.16					Warner, 14
27529 2000 HJ ₆₄	A A	4.1290 4.1290	0.51 0.51	4.1570	0.49					Galad, 07
30613 2678 P-L	A A	10.13 10.13	0.4 0.4	10.66	0.4					Galad, 08
31022 1996 FJ ₉	DAW 1A	15.60 7.80	0.24 0.24	15.60	0.24					Chang, 16
31076 1996 XH ₁	ATO A	350. 350.	0.17 0.17	700.	0.17					Warner, 10
32257 2000 OW ₅₂	A A	11.413 11.413	0.20 0.20	6.6990	0.26	21.785	0.26			Galad, 10
32895 1994 JL ₅	DAW 1A	14.02 7.01	0.24 0.24	14.02	0.24					Chang, 16
33128 1998 BU ₄₈	A AN	12.6 12.6	0.68 0.68	9.8	0.68					Sheppard, 02
33816 2000 AL ₄₂	ATO A	193. 193.	0.12 0.12	390.	0.12					Warner, 10
34449 2000 SJ ₇₉	DAW 1A	13.52 6.76	0.93 0.93	13.52	0.93					Chang, 16
35481 1998 FA ₈	DAW 1A	8.50 4.25	0.32 0.32	8.50	0.32					Chang, 16
35671 1998 SN ₁₆₅	A A	8.84 8.84	0.16 0.16	8.70	0.16					Lacerda, 06
35774 1999 JL ₉	NA NA	7.860 7.860	0.15 0.15	2.1312	0.23	22.11	0.17			Galad, 10
36379 2000 OA ₂₄	A A	3.21 3.21	0.15 0.15	3.01	0.15	3.44	0.15			Galad, 08
39132 2000 WU ₅₈	A A	20.663 20.663	0.69 0.69	14.439	0.60	36.31	0.62			Galad, 10

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39270 2001 AH ₁₁	HAW HA	82.191 82.191	0.14 0.14	41.09	0.14					Szabo, 17
39304 2001 QX ₇₇	DAW 1A	7.28 3.64	0.66 0.66	7.28	0.66					Chang, 16
39828 1998 BH ₄	A A	14.2 14.2	0.13 0.13	19.4	0.13					Galad, 10
41467 2000 OG ₂₉	A A	6.8 6.8	0.80 0.80	10.0	0.80	14.5	0.80			Warner, 10
42306 2001 VU ₄₆	NA NA	2.3651 2.3651	0.20 0.20	2.2537	0.20					Galad, 10
42474 1981 EJ ₂₇	DAW 1A	13.62 6.81	0.70 0.70	13.62	0.70					Chang, 16
42600 1997 YF ₁₀	A 1A	7.7712 3.87	0.90 0.73	7.74	0.73					Chang, 16
43426 2000 YD ₆	DAW 1A	12.00 6.00	0.53 0.53	12.00	0.53					Chang, 16
44534 1998 YZ ₉	ADTOW AD	45.0 45.0	0.75 0.75	22.5	0.75					Polishook, 12
44594 1999 OX ₃	1A 1A	9.26 9.26	0.11 0.11	13.4	0.11	15.45	0.11			Thirouin, 12
44881 1999 UJ ₅₁	DAW 1A	20.00 10.00	2.07 2.07	20.00	2.07					Chang, 16
45259 2000 AF ₁	AW 1A	11.7 5.85	0.85 0.80	11.70	1.03					Chang, 16
45646 2000 EE ₄₅	A A	5.26 5.26	0.41 0.41	5.08	0.41	5.47	0.41			Warner, 11
46001 2001 CG ₁	DAW 1A	11.16 5.58	0.27 0.27	11.16	0.27					Chang, 16
46242 2001 HQ ₁₂	DAW 1A	20.86 10.43	0.45 0.45	20.86	0.45					Chang, 16
46585 1992 RD ₇	DAW 1A	8.46 4.23	0.96 0.96	8.46	0.96					Chang, 16
46829 McMahon	NAB NA	2.6236 2.6236	0.12 0.12	5.2483	0.12					Pravec, 15
47035 1998 WS	A A 1A	3.99 3.997 3.995	0.15 0.13 0.10	7.994 7.98	0.13 0.10					Skiff, 12w Warner, 12
47614 2000 BO ₁₄	DAW 1A	4.88 2.44	0.48 0.48	4.88	0.48					Chang, 16
47662 2000 CN ₅₃	1AW 1A	8.97 8.97	0.20 0.20	17.94	0.20					Chang, 16
48147 2001 FO ₁₆₀	A A	26.17 26.17	0.25 0.25	13.09	0.25					Warner, 10
48436 1989 VK	A A	5.45 5.45	0.31 0.31	4.91	0.31	6.12	0.31			Galad, 08
50000*Quaoar	1AB A A A	8.840 17.68 17.6788 8.840	0.18 0.15 0.13 0.18	8.84 17.6788 17.6780	0.15 0.13 0.18					Thirouin, 10 Ortiz, 03 Rabinowitz, 07
50573 2000 EX ₃₉	A A	3.9789 3.9789	0.19 0.19	4.0015	0.19					Galad, 09
51356*2000 RY ₇₆	A A	2.5572 2.5572	0.09 0.09	5.1143	0.09					Warner, 13
51371 2000 XF ₁₅	AT0	54.	0.09							

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	A	54.	0.09	112.	0.09					Warner, 13
52253 1981 <i>EZ</i> ₃₅	DAW 1A	11.86 5.93	0.97 0.97	11.86	0.97					Chang, 16
52317 1992 <i>BC</i> ₁	A A	34.07 34.07	0.11 0.11	17.03	0.11					Stephens, 14
52762 1998 <i>MT</i> ₂₄	A A	12.08 12.08	0.4 0.27	4.82	0.27	6.04	0.27			Hicks, 13
52872 Okyrhoe	A A	9.72 9.72	0.4 0.07	4.86	0.02	9.72	0.02	12.16	0.02	Thirouin, 10
54533 2000 <i>QM</i> ₃₈	DAW 1A	7.64 3.82	0.35 0.35	7.64	0.35					Chang, 16
55565 2002 <i>AW</i> ₁₉₇	1A 1A	8.86 8.86	0.08 0.08	17.74	0.08					Ortiz, 06
55601 2002 <i>RC</i> ₁₁₀	DAW 1A	14.54 7.27	0.51 0.51	14.54	0.51					Chang, 16
55636 2002 <i>TX</i> ₃₀₀	A A 1A A	8.12 15.78 8.12 8.15	0.09 0.09 0.08 0.05	8. 12.101 11.7	0.09 0.08 0.05	12.	0.09	16.	0.09	Ortiz, 04 Sheppard, 03 Thirouin, 12
55637*2002 <i>UX</i> ₂₅	HAW A	14.382 14.382	0.21 0.21	7.1908	0.21	16.782	0.21			Rousselot, 05
55638 2002 <i>VE</i> ₉₅	1A 1A A	6.76 6.76 9.97	0.08 0.08 0.05	9.47 4.90	0.08 0.05	7.36 6.18	0.08 0.05	17.32	0.05	Ortiz, 06 Thirouin, 10
56292 1999 <i>NK</i> ₄₀	DAW 1A	7.90 3.95	0.76 0.76	7.90	0.76					Chang, 16
56367 2000 <i>EF</i>	AT0 A	98. 98.	0.8 0.8	84.	0.8	111.	0.8			Galad, 10
57010 2000 <i>TP</i> ₁	DAW 1A	10.00 5.00	0.84 0.84	10.00	0.84					Chang, 16
57252 2001 <i>QS</i> ₉₆	NA NA	11.427 11.427	0.30 0.30	7.209	0.36	10.310	0.41	22.854	0.30	Galad, 10
58673 1997 <i>YA</i> ₉	NA NA	9.731 9.731	0.52 0.52	6.918	0.47	19.365	0.71			Galad, 10
58677 1997 <i>YJ</i> ₁₇	AW 1A	9.631 4.49	0.63 0.65	8.99	0.65					Chang, 16
59429 1999 <i>GK</i> ₈	DAW 1A	8.38 4.19	0.76 0.76	8.38	0.76					Chang, 16
62781 2000 <i>UE</i> ₂₃	NA NA	28.94 28.94	1.1 1.1	17.95	0.8	71.7	1.1			Galad, 10
62842 2000 <i>UF</i> ₆₃	DAW 1A	7.94 3.97	0.79 0.79	7.94	0.79					Chang, 16
63029 2000 <i>WH</i> ₅₇	NA NA	8.693 8.693	0.19 0.19	2.2667	0.25	13.641	0.19			Galad, 10
63376 2001 <i>HA</i> ₃₈	NA NA	9.439 9.439	0.14 0.14	2.0122	0.17	9.735	0.14			Galad, 10
63508 2001 <i>OQ</i> ₈₁	A A	3.63 3.63	0.2 0.2	4.35	0.2					Galad, 08
63829 2001 <i>RM</i> ₇₂	DAW 1A	18.64 9.32	0.51 0.51	9.32	0.51					Chang, 16
65200 2002 <i>CL</i> ₂₉₄	NA NA	2.4206 2.4206	0.48 0.48	6.461	0.38					Galad, 10
65597 3047 <i>T-3</i>	A A	7.6 7.6	0.14 0.14	3.5	0.14					Warner, 16

AMBIGUOUS PERIODS OF LIGHTCURVES

Asteroid	Note	Per ₁	Amp ₁	Per ₂	Amp ₂	Per ₃	Amp ₃	Per ₄	Amp ₄	Reference
66718 1999 TU ₁₀₄	DAW A	12.80 6.40	0.77 0.77	12.80	0.77					Chang, 16
68480 2001 TQ ₄₉	NA NA	2.6982 2.6982	0.40 0.40	4.4044	0.39	17.246	0.32			Galad, 10
69350 1993 YP	AT? AT?	31.79 32.34	0.95 0.95	99.5	0.95					Warner, 12
69706 1998 HJ ₇₇	DAW 1A	13.06 6.53	0.34 0.34	13.06	0.34					Chang, 16
69848 1998 SQ ₃₅	DAW 1A	8.64 4.32	0.26 0.26	8.64	0.26					Chang, 16
72290 2001 BQ ₁₅	A A	5.6657 5.6657	0.81 0.81	5.067	0.81	6.420	0.81			Galad, 08
72717 2001 FA ₈₈	DAW 1A	9.46 4.73	0.53 0.53	9.46	0.53					Chang, 16
73480 2002 PN ₃₄	A A	8.45 8.45	0.18 0.18	10.22	0.18					Ortiz, 03
73915 1997 GD ₄₃	DAW 1A	8.58 4.29	0.96 0.96	8.58	0.96					Chang, 16
76865 2000 XW ₃₈	DAW 1A	5.14 2.57	0.31 0.31	5.14	0.31					Chang, 16
78468 2002 RL ₄₄	DAW 1A	16.28 8.14	1.41 1.41	16.28	1.41					Chang, 16
79530 1998 QD ₄	NA NA	24.51 24.51	0.20 0.20	2.9623	0.20	12.117	0.20			Galad, 10
79983 1999 DF ₉	A A	6.65 6.65	0.40 0.40	9.00	0.40					Lacerda, 06
81443 2000 GV ₁₁₄	AW 1A	5.217 2.62	0.60 0.59	5.24	0.59					Chang, 16
81590 2000 HN ₄₉	AW 1A	26.170 8.73	0.70 0.79	17.46	0.79					Chang, 16
83982 Crantor	A A	13.94 13.94	0.14 0.14	19.34	0.14					Ortiz, 03
84890 2003 NP ₉	A A	19.2 19.2	0.07 0.07	38.5	0.07					Warner, 12
85713 1998 SS ₄₉	A A	5.370 5.370	0.18 0.18	2.686	0.18					Warner, 15
86039 1999 NC ₄₃	T?A NA T?A	34.49 34.49 34.29	1.10 1.1 1.00	122.3 40.81	1.1 1.10					Pravec, 00w Warner, 14
86326 1999 WK ₁₃	A A	6.36 6.36	0.14 0.14	3.18	0.12					Warner, 15
86819 2000 GK ₁₃₇	A A	3.0239 3.018	0.27 0.12	4.03	0.23					Warner, 15
88005 2000 UR ₄₄	NA NA	15.524 15.524	0.27 0.27	11.726	0.26	22.958	0.26			Galad, 10
88522 2001 QM ₁₇₁	DAW 1A	27.82 13.91	0.46 0.46	27.82	0.46					Chang, 16
89891 2002 CQ ₂₅₆	NA NA	2.2512 2.2512	0.34 0.34	8.258	0.31	16.629	0.31			Galad, 10
90337 2003 FQ ₉₇	A A	60. 6.88	0.54 0.15	9.66	0.19					Melita, 10
90377 Sedna	A A	10.273 10.273	0.02 0.02	17.991	0.02					Gaudi, 05
90416 2003 YK ₁₁₈	A	43.58	0.13							

AMBIGUOUS PERIODS OF LIGHTCURVES

Asteroid	Note	Per ₁	Amp ₁	Per ₂	Amp ₂	Per ₃	Amp ₃	Per ₄	Amp ₄	Reference
90738 1993 <i>FP</i> ₂₁	A	43.58	0.13	21.69	0.08					Warner, 15
	DAW 1A	10.10 5.05	0.76 0.76	11.10	0.76					Chang, 16
91247 1999 <i>CM</i> ₄₀	DAW 1A	11.64 5.82	1.16 1.16	11.64	1.16					Chang, 16
96178 Rochambeau	A	5.2	0.14	13.4	0.14					Galad, 10
	A	5.2	0.14							
96842 1999 <i>RH</i> ₂₀₈	A	3.236	0.36	2.855	0.33					Warner, 17
	A	3.236	0.36							
97481 2000 <i>CF</i> ₆₁	DAW 1A	14.44 7.22	0.51 0.51	14.44	0.51					Chang, 16
	DAW 1A	28.24 14.12	2.10 2.10	28.24	2.10					Chang, 16
99674 2002 <i>JN</i> ₁₁	DAW 1A	7.42 3.71	0.75 0.75	7.42	0.75					Chang, 16
99767 2002 <i>JP</i> ₁₀₄	DAW 1A	6.78 3.39	0.70 0.70	6.78	0.70					Chang, 16
101812 1999 <i>JD</i> ₇	NA NA	7.420 7.420	0.22 0.22	2.47433	0.24	9.354	0.22			Galad, 10
101955*Bennu	A	4.2968	0.35	4.10	0.40					Vaduvescu, 17
	A	2.19	0.35							
103501 2000 <i>AT</i> ₂₄₅	1A 1A	29.95 29.95	0.16 0.16	44.60	0.16	59.85	0.16	62.42	0.16	Warner, 10
	DAW 1A	7.78 3.89	1.04 1.04	7.78	1.04					Chang, 16
106206 2000 <i>UR</i> ₂₉	A	7.317	0.04	4.875	0.04	9.747	0.04	10.844	0.04	Pravec, 14w
	A	7.317	0.04							
106590 2000 <i>WQ</i> ₁₀₇	NA NA	21.67 21.67	0.16 0.16	2.77757	0.19					Galad, 10
	DAW 1A	7.48 3.74	0.72 0.72	7.48	0.72					Chang, 16
109280 2001 <i>QO</i> ₁₁₈	DAW 1A	8.00 4.00	0.92 0.92	8.00	0.92					Chang, 16
110465 2001 <i>TT</i> ₅₁	DAW 1A	15.00 7.50	0.92 0.92	15.00	0.92					Chang, 16
	NA NA	4.9311 4.9311	0.26 0.26	2.75308	0.29					Galad, 10
110755 2001 <i>UT</i> ₁₃	NA NA	46.9 46.9	0.80 0.80	49.0	0.75					Galad, 10
	DAW 1A	9.06 4.53	0.59 0.59	9.06	0.59					Chang, 16
112985*2002 <i>RS</i> ₂₈	A	4.787	0.24							Warner, 15 Warner, 16 Warner, 16 Carbognani, 16 Nugent, 16 Vaduvescu, 17
		5.94	0.06							
		3.820	0.24							
		4.787	0.09							
		3.436	0.08							
I	0.34	0.12								
113216 2002 <i>RF</i> ₁₁₉	DAW 1A	11.64 5.82	0.81 0.81	11.64	0.81					Chang, 16
	DAW 1A	8.18 4.09	0.92 0.92	8.18	0.92					Chang, 16
114302 2002 <i>XO</i> ₄₆	DAW 1A	6.12 3.06	0.37 0.37	6.12	0.37					Chang, 16
117982 2134 <i>T-1</i>	DAW	6.86	0.60							

AMBIGUOUS PERIODS OF LIGHTCURVES

Asteroid	Note	Per ₁	Amp ₁	Per ₂	Amp ₂	Per ₃	Amp ₃	Per ₄	Amp ₄	Reference
118060 4213 <i>T</i> -2	1A	3.43	0.60	6.86	0.60					Chang, 16
	DAW 1A	12.00 6.00	1.13 1.13	12.00	1.13					Chang, 16
119574 2001 <i>VT</i> ₉₀	NA NA	2.9245 2.9245	0.24 0.24	43.40	0.24					Galad, 10
120061 2003 <i>CO</i> ₁	DA DA	10.0 10.0	0.10 0.10	6.30	0.13	4.99	0.10			Ortiz, 06
120347 <i>Salacia</i>	1AB 1A	6.09 6.09	0.06 0.03	8.1	0.03	12.18	0.03	16.02	0.03	Thirouin, 10
120915 1998 <i>SX</i> ₈₁	DAW 1A	7.32 3.66	0.66 0.66	7.32	0.66					Chang, 16
120928 1998 <i>SP</i> ₁₀₉	A A	10.7 10.7	0.5 0.5	8.8	0.5					Galad, 10
121368 1999 <i>TP</i> ₆₉	DAW 1A	7.96 3.98	0.83 0.83	7.96	0.83					Chang, 16
122897 2000 <i>SO</i> ₁₅₆	DAW 1A	7.72 3.86	0.50 0.50	7.72	0.50					Chang, 16
123404 2000 <i>WS</i> ₈₈	DAW 1A	15.60 7.80	0.26 0.26	15.60	0.26					Chang, 16
124135 2001 <i>LS</i>	NA NA	3.6217 3.6217	0.17 0.17	5.4315	0.22					Galad, 10
125136 2001 <i>UY</i> ₆₁	NA NA	2.94565 2.94565	0.23 0.23	11.596	0.14					Galad, 10
125779 2001 <i>XL</i> ₁₄₅	NA NA	11.251 11.251	0.28 0.28	2.57199	0.29	7.655	0.28			Galad, 10
126179 2002 <i>AY</i> ₁₃	DAW 1A	11.16 5.58	0.50 0.50	11.16	0.50					Chang, 16
126361 2002 <i>AA</i> ₁₇₉	DAW 1A	10.84 5.42	0.70 0.70	10.84	0.70					Chang, 16
128018 2003 <i>JA</i> ₁₄	NA NA	8.083 8.083	0.36 0.36	4.8539	0.34	12.192	0.31			Galad, 10
128343 <i>Brianpage</i>	NA NA	2.4776 2.4776	0.25 0.25	4.2251	0.19	26.53	0.30			Galad, 10
130723 2000 <i>SO</i> ₂₁₆	DAW 1A	14.88 7.44	0.75 0.75	14.88	0.75					Chang, 16
133074 <i>Kenshamordola</i>	DAW 1A	24.94 12.47	0.60 0.60	24.94	0.60					Chang, 16
134483 1998 <i>WK</i> ₂	DAW 1A	9.50 4.75	0.54 0.54	9.50	0.54					Chang, 16
136472 <i>Makemake</i>	AB 1A 1A	22.48 11.24 7.65	0.03 0.03 0.01	22.48 11.5	0.03 0.01					Ortiz, 07 Thirouin, 10
137689 1999 <i>XB</i> ₆₀	DAW 1A	13.52 6.76	0.52 0.52	13.52	0.52					Chang, 16
137925 2000 <i>BJ</i> ₁₉	A A	48. 48.	0.17 0.17	24.	0.17					Warner, 15
138325 2000 <i>GO</i> ₈₂	A A	6.122 6.122	0.17 0.17	8.22	0.15					Warner, 16
138405 2000 <i>HV</i> ₂₄	AW 1A	7.064 3.05	0.74 0.80	6.10	0.80					Chang, 16
138524 2000 <i>OJ</i> ₈	A A	2.6835 2.6835	0.06 0.06	5.3673	0.06					Pravec, 11w
138846*2000 <i>VJ</i> ₆₁	A A	2.620 2.620	0.18 0.18	2.962	0.26					Carbognani, 18

AMBIGUOUS PERIODS OF LIGHTCURVES

Asteroid	Note	Per ₁	Amp ₁	Per ₂	Amp ₂	Per ₃	Amp ₃	Per ₄	Amp ₄	Reference
138971 2001 <i>CB</i> ₂₁	A A	3.3020 3.3020	0.19 0.19	4.953	0.19					Galad, 05
141056*2001 <i>XV</i> ₄	A A	2.671 2.671	0.21 0.21	2.830	0.21					Warner, 17
142781 2002 <i>UM</i> ₁₁	A A I	6.81 6.81	0.03 0.03							Warner, 14 Nugent, 15
143678 2003 <i>SA</i> ₂₂₄	NATO NA TO N	35. 35.	0.24 0.24							Pravec, 06w Pravec, 14 Veres, 15
145452 2005 <i>RN</i> ₄₃	1A 1A A	6.95 5.62 6.95	0.06 0.04 0.06	7.32 13.89	0.04 0.06	9.73	0.06	19.46	0.06	Thirouin, 10 Benecchi, 13
145486 2005 <i>UJ</i> ₄₃₈	A A	8.32 8.32	0.13 0.13	4.16	0.13					Thirouin, 10
148985 2001 <i>YF</i> ₄₃	DAW 1A	8.60 4.30	0.36 0.36	8.60	0.36					Chang, 16
149182 2002 <i>JX</i> ₆₉	NA NA	2.8950 2.8950	0.30 0.30	3.2926	0.30					Galad, 10
150642 2001 <i>CZ</i> ₃₁	A A	4.71 4.71	0.21 0.21	5.23	0.21					Lacerda, 06
151057 2001 <i>VO</i> ₁₄	NA NA	20.631 20.631	0.6 0.6	36.20	0.6					Galad, 10
151113 2001 <i>WG</i> ₃₂	DAW 1A	8.76 4.38	0.70 0.70	8.76	0.70					Chang, 16
152641 Fredreed	DAW 1A	18.28 9.14	0.46 0.46	18.28	0.46					Chang, 16
153695 2001 <i>US</i> ₃₅	NA NA	18.61 18.61	0.34 0.34	4.0108	0.39	30.43	0.33			Galad, 10
153822 2001 <i>WH</i> ₃₇	NA NA	5.6388 5.6388	0.18 0.18	7.373	0.20					Galad, 10
153879 2001 <i>XY</i> ₁₄₁	NA NA	2.3455 2.3455	0.13 0.13	4.6939	0.18					Galad, 10
153937 2001 <i>YG</i> ₉₇	NA NA	16.313 16.313	0.22 0.22	3.6951	0.18					Galad, 10
153952 2002 <i>AZ</i> ₅	DAW 1A	5.50 2.75	0.60 0.60	5.50	0.60					Chang, 16
154704 2004 <i>JT</i> ₁₉	DAW 1A	8.24 4.12	0.75 0.75	8.24	0.75					Chang, 16
156347 2001 <i>XS</i> ₁₇₀	DAW 1A	10.84 5.42	0.79 0.79	10.84	0.79					Chang, 16
156576 2002 <i>EF</i> ₁₃₉	DAW 1A	10.54 5.27	0.35 0.35	10.54	0.30					Chang, 16
156751 2002 <i>XL</i> ₉₂	A A	6.5287 6.5287	0.85 0.85	5.7470	0.85					Galad, 10
159533*2001 <i>HH</i> ₃₁	A A	3.660 3.660	0.15 0.11	7.317	0.10					Warner, 15
160264 2002 <i>RF</i> ₆₄	A A	11.45 11.45	0.80 0.8	16.83	0.8					Galad, 08
160318 2003 <i>JR</i> ₈	NA NA	21.83 21.83	0.24 0.24	4.0945	0.28					Galad, 10
161139*2002 <i>RJ</i> ₁₅₀	DAW 1A	6.80 3.40	0.64 0.64	6.80	0.64					Chang, 16

AMBIGUOUS PERIODS OF LIGHTCURVES

Asteroid	Note	Per ₁	Amp ₁	Per ₂	Amp ₂	Per ₃	Amp ₃	Per ₄	Amp ₄	Reference
170727 2004 BU ₇₃	DAW 1A	9.94 4.97	0.70 0.70	9.94	0.70					Chang, 16
171390 2006 PK ₁₃	DAW 1A	6.94 3.47	0.70 0.70	6.94	0.70					Chang, 16
172104 2002 GA ₁₂	DAW 1A	9.80 4.90	1.16 1.16	9.80	1.16					Chang, 16
175114 2004 QQ	A A	8.879 5.39	0.12 0.12	10.78	0.12					Vaduvescu, 17
175412 2006 PA ₉	DAW 1A	7.96 3.98	0.50 0.50	7.96	0.50					Chang, 16
177304 2003 YZ ₁₂	DAW 1A	14.76 7.38	0.61 0.61	14.76	0.61					Chang, 16
185213 2006 TN ₅₃	DAW 1A	5.48 2.74	0.55 0.55	5.48	0.55					Chang, 16
187067 2005 MX ₄₁	DAW 1A	9.28 4.64	0.90 0.90	9.28	0.90					Chang, 16
188174 2002 JC	A A	2.472 2.746	0.40 0.26	2.470	0.25					Warner, 14
190453 2000 AQ ₂₃₅	DAW 1A	6.76 3.38	0.96 0.96	6.76	0.96					Chang, 16
191789 2004 TG ₁₃₂	DAW 1A	10.60 5.30	0.50 0.50	10.60	0.50					Chang, 16
191865 2004 XO ₂₈	DAW 1A	9.42 4.71	0.70 0.70	9.42	0.70					Chang, 16
191870 2004 XT ₇₆	AW 1A	5.52 2.76	0.98 0.98	5.52	0.98					Chang, 16
192683 1999 SO ₂₇	A A	13.17 13.17	0.14 0.14	26.45	0.22					Warner, 13
194268 2001 UY ₄	A A	7.88 7.88	0.13 0.13	5.91	0.12					Warner, 16
197155 2003 UJ ₂₇₂	DAW 1A	6.40 3.20	0.62 0.62	6.40	0.62					Chang, 16
202421 2005 UQ ₅₁₃	A A	7.03 7.03	0.06 0.06	10.01	0.06					Thirouin, 12
203095 2000 RO ₃₇	A A	19.61 19.61	0.31 0.31	17.82	0.31					Warner, 12
203334 2001 TC ₂₂₆	DAW 1A	12.72 6.36	0.62 0.62	12.72	0.62					Chang, 16
208996 2003 AZ ₈₄	AB 1A 1A	13.42 6.76 6.71	0.14 0.10 0.14	10.56 13.44	0.08 0.14					Ortiz, 06 Sheppard, 03
214479 2005 TB ₇₃	NA NA	20.594 20.594	0.84 0.84	36.06	0.96					Galad, 10
215187 2000 LQ ₂₅	NA NA	17.735 17.735	0.61 0.61	12.945	0.58					Galad, 10
217202 2002 TP ₁₉₈	DAW 1A	13.62 6.81	0.50 0.50	13.62	0.50					Chang, 16
219686 2001 WE ₃₇	A A	10.214 10.214	0.49 0.49	8.420	0.45	12.979	0.40			Galad, 10
221267 2005 US ₃₁₃	NA NA	3.8397 3.8397	0.10 0.10	6.8759	0.19	14.514	0.12			Galad, 10
221344 2005 WS ₇₀	DAW 1A	13.72 6.86	0.95 0.95	13.72	0.95					Chang, 16
225088*2007 OR ₁₀	A	22.40	0.04							

AMBIGUOUS PERIODS OF LIGHTCURVES

Asteroid	Note	Per ₁	Amp ₁	Per ₂	Amp ₂	Per ₃	Amp ₃	Per ₄	Amp ₄	Reference
	A	22.40	0.04	44.81	0.04					Pal, 16
225351 1998 TA ₂₀	DAW 1A	13.62 6.81	0.80 0.80	13.72	0.80					Chang, 16
225873 2001 YL ₄	NA A	2.8464 2.8464	0.39 0.39	3.1010	0.39	7.2122	0.42			Galad, 10
226863 2004 TK ₃₈	DAW 1A	6.44 3.22	0.90 0.90	6.44	0.90					Chang, 16
233023 2005 ER ₂₆₄	DAW 1A	6.78 3.39	0.56 0.56	6.78	0.56					Chang, 16
240468 2004 BV ₃₀	DAW 1A	6.20 3.10	0.65 0.65	6.20	0.65					Chang, 16
242171 2003 GG ₅₁	NA NA	6.785 6.785	0.49 0.49	5.9437	0.45	8.423	0.50			Galad, 10
250112 2002 KY ₁₄	1A 1A	3.56 3.56	0.13 0.13	4.2	0.13	7.12	0.13			Thirouin, 10
252600 2001 XA ₄₄	DAW 1A	22.58 11.29	1.81 1.81	22.58	1.81					Chang, 16
253493 2003 SG ₉₅	AW 1A	5.878 2.92	0.81 0.70	5.84	0.70					Chang, 16
255129 2005 UC ₁₃₀	NA NA	6.4083 6.4083	0.20 0.20	4.4018	0.18	21.83	0.20			Galad, 10
258207 2001 SJ ₃₃₂	DAW 1A	7.94 3.97	0.90 0.90	7.94	0.90					Chang, 16
258309 2001 UM ₁₇₁	DAW 1A	9.90 4.95	0.70 0.70	9.90	0.70					Chang, 16
258439 2001 XF ₂₃₁	DAW 1A	6.98 3.49	0.60 0.60	6.98	0.60					Chang, 16
258798 2002 LX ₈	DAW 1A	18.12 9.06	0.32 0.32	18.12	0.32					Chang, 16
259083 2002 VS ₃₁	DAW 1A	7.22 3.61	0.65 0.65	7.22	0.65					Chang, 16
262623 2006 WY ₂	A A	16.3 16.3	0.14 0.14	32.0	0.15					Warner, 14
262903 2007 CC ₄₆	DAW 1A	10.32 5.16	0.57 0.57	10.32	0.57					Chang, 16
267356 2001 XW ₅	DAW 1A	8.54 4.27	0.70 0.70	8.54	0.70					Chang, 16
271745 2004 RM ₃₂₄	DAW 1A	8.54 4.27	0.55 0.55	8.54	0.55					Chang, 16
274444 2008 SR ₄₇	DAW 1A	12.00 6.00	0.61 0.61	12.00	0.61					Chang, 16
276003 2001 YE ₇	DAW 1A	7.24 3.62	0.55 0.55	7.24	0.55					Chang, 16
276049 2002 CE ₂₆	RAB A	3.2930 3.298	0.07 0.07	3.088	0.07					Warner, 15
276741 2004 EM ₆₆	A A	4.56 4.56	0.15 0.15	4.15	0.15					Skiff, 11w
277011 2004 YZ ₂₁	DAW 1A	21.34 10.67	0.55 0.55	21.34	0.55					Chang, 16
283460 2001 PD ₁	NA NA	14.58 14.58	0.12 0.12	9.03	0.12					Pravec, 01w
284441 2007 EN ₃₇	DAW 1A	6.76 3.38	0.90 0.90	6.76	0.90					Chang, 16

AMBIGUOUS PERIODS OF LIGHTCURVES

Asteroid	Note	Per ₁	Amp ₁	Per ₂	Amp ₂	Per ₃	Amp ₃	Per ₄	Amp ₄	Reference
285944 2001 RZ ₁₁	A A	2.2455 4.804	0.11 0.11	4.002	0.11					Stephens, 15
288708 2004 RB ₇	DAW 1A	8.58 4.29	0.21 0.21	8.58	0.21					Chang, 16
290559 2005 UV ₁₀₈	NA NA	11.634 11.634	0.48 0.48	4.1676	0.53	22.62	0.47			Galad, 10
290723 2005 UZ ₄₃₇	DAW 1A	6.76 3.38	0.42 0.42	6.76	0.42					Chang, 16
295076 2008 ER ₁₃₁	DAW 1A	7.20 3.60	0.65 0.65	7.20	0.65					Chang, 16
295927 2008 WZ ₁₃₇	DAW 1A	6.44 3.22	0.62 0.62	6.44	0.62					Chang, 16
303775 2005 QU ₁₈₂	NA NA	9.61 9.61	0.12 0.12	19.22	0.12					Benecchi, 13
303938 2005 VS ₁₃₁	NA NA	6.246 6.246	0.29 0.29	2.7107	0.33	15.67	0.26			Galad, 10
307251 2002 KW ₁₄	A A A	8.58 8.58 6.63	0.25 0.21 0.25	10.5 13.25	0.26 0.25	5.23	0.25	10.46	0.25	Thirouin, 12 Benecchi, 13
307505 2002 YX ₁₁	A A	4.024 4.024	0.13 0.13	6.030	0.13					Skiff, 11w
308242 2005 GO ₂₁	A A	11.00 11.00	0.24 0.24	5.50	0.24					Higgins, 12w
308543 2005 UO ₂₁₃	NA NA	30.73 30.73	0.31 0.31	2.7128	0.28					Galad, 10
308568 2005 UU ₃₉₆	NA NA	7.689 7.689	0.26 0.26	5.812	0.25	11.288	0.26			Galad, 10
308635 2005 YU ₅₅	AT0 A	19.31 19.31	0.30 0.20	16.34	0.24					Warner, 12
312645 2010 EP ₆₅	A A	14.97 14.97	0.17 0.17	7.48	0.17	11.54	0.17	16.90	0.17	Benecchi, 13
315284 2007 TW ₁₂₄	DAW 1A	8.54 4.27	0.50 0.50	9.54	0.50					Chang, 16
315530 2008 AP ₁₂₉	A A	9.04 9.04	0.12 0.12	6.25	0.12					Thirouin, 16
317797 2003 SN ₁₈₃	DAW 1A	12.16 6.08	0.56 0.56	12.16	0.56					Chang, 16
317932 2003 WC ₂	DAW 1A	5.96 2.98	0.83 0.83	5.96	0.83					Chang, 16
318941 2005 UR ₁₄₃	DAW 1A	8.18 4.09	0.60 0.60	8.18	0.60					Chang, 16
320125 2007 EQ ₁₈₅	A A	9.0 9.0	0.48 0.48	11.1	0.48					Warner, 12
320404 2007 UF ₁₁₉	DAW 1A	7.68 3.84	0.92 0.92	7.78	0.92					Chang, 16
323894 2005 SS ₂₈₇	NA NA	14.791 14.791	0.59 0.59	11.395	0.59	21.40	0.62			Galad, 10
323989 2005 UY ₂₀₃	DAW 1A	6.40 3.20	0.75 0.75	6.40	0.75					Chang, 16
326912*2003 WM ₁₇₂	DAW A	12.63 12.63	0.47 0.47	6.31	0.47					Chang, 16
330388 2006 XS ₅₁	DAW 1A	7.20 3.60	0.75 0.75	7.20	0.75					Chang, 16
334689 2003 BN ₅₀	DAW	5.24	0.65							

AMBIGUOUS PERIODS OF LIGHTCURVES

Asteroid	Note	Per ₁	Amp ₁	Per ₂	Amp ₂	Per ₃	Amp ₃	Per ₄	Amp ₄	Reference
	1A	2.62	0.65	5.24	0.65					Chang, 16
348400 2005 <i>JF</i> ₂₁	AM A	2.4149 3.450	0.14 0.06	4.39	0.23	6.90	0.25			Linder, 17
357439 2004 <i>BL</i> ₈₆	AB A	2.6205 2.637	0.17 0.11	2.62	0.11					Birlan, 15
357911 2005 <i>VR</i> ₁₃₁	NA NA	5.2737 5.2737	0.36 0.36	4.5051	0.26	5.5483	0.29			Galad, 10
360202 1997 <i>WK</i> ₂₇	DAW 1A	5.84 2.92	1.14 1.14	5.84	1.14					Chang, 16
363018 1996 <i>TA</i> ₆	DAW 1A	7.16 3.58	0.30 0.30	7.16	0.30					Chang, 16
367971 2012 <i>DZ</i> ₉₆	DAW 1A	16.14 8.07	0.90 0.90	16.14	0.90					Chang, 16
379645 2011 <i>EY</i> ₁₇	DAW 1A	9.60 4.80	1.05 1.05	9.60	1.05					Chang, 16
380981 2006 <i>SU</i> ₁₃₁	A A	4.92 4.92	0.18 0.18	2.74	0.16					Warner, 15
382243 2012 <i>SV</i> ₃₉	DAW 1A	7.20 3.60	0.60 0.60	7.20	0.60					Chang, 16
385687 2005 <i>SF</i> ₂₈₆	NA NA	2.36990 2.36990	0.59 0.59	2.1145	0.40	8.889	0.40			Galad, 10
401998 2003 <i>MO</i>	A A	50. 50.	0.40 0.40	27.3	0.44					Warner, 15
408751 1987 <i>SF</i> ₃	A A	21.0 21.0	0.20 0.20	42.0	0.20					Warner, 15
408980 2002 <i>RB</i> ₁₂₆	A A	16.21 16.21	0.14 0.14	8.08	0.14					Warner, 15
410516 2008 <i>EG</i> ₁₄₃	DAW 1A	4.56 2.28	0.70 0.70	4.56	0.70					Chang, 16
410778 2009 <i>FG</i> ₁₉	A A	8.00 8.00	0.80 0.80	9.61	0.81					Warner, 15
411236 2010 <i>PP</i> ₇₅	DAW 1A	8.34 4.17	0.84 0.84	8.34	0.84					Chang, 16
411280 2010 <i>SL</i> ₁₃	A A	7.79 7.79	0.20 0.20	3.89	0.24					Warner, 14
416151 2002 <i>RQ</i> ₂₅	A A	12.191 12.191	0.72 0.72	6.096	0.43					Warner, 15
422502 2014 <i>TK</i> ₃	DAW 1A	7.74 3.87	0.83 0.83	7.74	0.83					Chang, 16
424037 2007 <i>AH</i> ₁₃	DAW 1A	6.38 3.19	0.70 0.70	6.38	0.70					Chang, 16
430552 2002 <i>HU</i> ₁₁	A A	15.66 15.66	0.4 0.4	11.71	0.4					Gaftonyuk, 04
433992 2000 <i>HD</i> ₇₄	A A	9.36 9.36	0.15 0.15	4.68	0.18					Warner, 15
444745 2007 <i>JF</i> ₄₃	A A	9.52 9.52	0.22 0.22	4.76	0.22					Benecchi, 13
446804 1999 <i>VN</i> ₆	NATO NA	24.1 24.1	0.7 0.7	16.1	0.7					Pravec, 99w
455322 2002 <i>NX</i> ₁₈	A A	9.040 9.040	0.23 0.23	7.602	0.22					Wolters, 05
468738 2010 <i>TN</i> ₅₄	ATO A	12.12 12.12	0.07 0.07	6.14	0.07	24.51	0.07			Warner, 14

AMBIGUOUS PERIODS OF LIGHTCURVES

Asteroid	Note	Per ₁	Amp ₁	Per ₂	Amp ₂	Per ₃	Amp ₃	Per ₄	Amp ₄	Reference
469705 2005 <i>EF</i> ₂₉₈	A A	9.65 9.65	0.31 0.31	5.77	0.31	11.54	0.31	8.45	0.31	Benecchi, 13
471137 2010 <i>ET</i> ₆₅	A A	7.88 7.88	0.13 0.13	3.94	0.13					Benecchi, 13
471143 2010 <i>EK</i> ₁₃₉	A A	7.07 7.07	0.12 0.12	3.53	0.12					Benecchi, 13
471165 2010 <i>HE</i> ₇₉	A A	19.49 19.49	0.11 0.11	9.75	0.11					Benecchi, 13
471241 2011 <i>BX</i> ₁₈	A A	4.828 4.828	0.32 0.27	4.023	0.27					Warner, 17
482796 2013 <i>QJ</i> ₁₀	A A	14.5 14.5	0.10 0.10	29.0	0.10					Warner, 14
485652 2011 <i>WO</i> ₄₁	A A	4.609 4.609	0.14 0.14	9.26	0.14					Warner, 17
490581*2009 <i>WZ</i> ₁₀₄	ATO NA A	19.304 9.652 19.304	0.52 0.52	19.304 9.652	0.52					Karashevich, 11 Karashevich, 12
496174*2011 <i>CQ</i> ₄	A A	128. 128.	0.19 0.19	256.	0.19					Warner, 14
500119*2012 <i>BV</i> ₁₃₇	DAW 1A	20.22 10.11	0.99 0.99	20.22	0.99					Chang, 16
500853*2013 <i>HT</i> ₁₂₀	DAW 1A	5.68 2.84	1.05 1.05	5.68	1.05					Chang, 16
501949*2014 <i>YV</i> ₃	DAW 1A	11.70 5.85	0.60 0.60	11.70	0.60					Chang, 16
502020*2015 <i>AZ</i> ₈₀	DAW 1A	7.74 3.87	0.70 0.70	7.74	0.70					Chang, 16
502161*2015 <i>BV</i> ₅₃	DAW 1A	19.20 9.60	0.45 0.45	19.20	0.45					Chang, 16
508912*2004 <i>BB</i>	A A	5.720 5.720	0.10 0.10	2.863	0.08					Warner, 18
511777*2015 <i>EZ</i>	A A	6.57 6.57	0.16 0.16	7.63	0.17					Warner, 15

F o o t n o t e. The Table includes alternative values of period and amplitude for minor planets marked in the Table “Minor planet lightcurve parameters” as having ambiguous value of period (symbol *A* in column “Note”). For each object the Table contains the summary line (the first one) and detail entries. In the summary line the adopted value of period (Per₁) expressed in hours and lightcurve amplitude (Amp₁) as well as note flag (*A* or other) are given (for the meaning of other note flags see foot note in the Table “Minor planet lightcurve parameters”). In detail entries alternative values of primary period and amplitude as well as other possible periods (Per₂, Per₃,...) and lightcurve amplitudes (Amp₂, Amp₃,...), if available, are given. In the last column of detail entries short reference to the principal author (name and year of corresponding publication) is given. There is not always a direct cross-connection between the summary and detail entries. For example, detail entries can have no *A* flag. An asterisk (*) between the asteroid number and name denotes a new or significantly changed entry.

Posting on a web site are given as the current year + “*w*” (e. g., Warner, 11w).