

Light elements for seven eclipsing binaries and for six suspected variables of other types

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#	Name	Other	Coord (J2000)	Type	Max	Min	System	Period	Epoch (JD)	type	Sp	Comment	L.Curve	Find.Chart	Data
1	NSV 14287	S 9700	22 42 38.41, +52 24 27.7	EB	14.81	15.35	V	1.92879	2458383.923	min		Comm. 1	14287lc.jpg	14287ch.jpg	14287dat.txt
2	NSV 14323	S 9707	22 48 22.90, +48 11 35.3	EA	14.41	15.03	V	4.53753	2457984.920	min		Comm. 2	14323lc.jpg	14323ch.jpg	14323dat.txt
3	NSV 14357	S 10098	22 54 13.98, +56 52 37.9	EA	13.92	14.22	V	2.04881	2458060.865	min		Comm. 3	14357lc.jpg	14357ch.jpg	14357dat.txt
4	NSV 14400	GSC 3997-01854	23 02 37.51, +58 35 09.2	EA	13.10	13.82	V	3.34363	2458406.893	min		Comm. 4	14400lc.jpg	14400ch.jpg	14400dat.txt
5		USNO-A2.0 0825-19934569	23 24 32.84, -03 54 35.9	SR	16.25	16.79	CV	335.	2454730	max		Comm. 5	A0825lc.jpg	A0825ch.jpg	A0825dat.txt
6	NSV 14565	GSC 4280-02147	23 26 42.16, +60 14 34.5	ACV:	11.57	11.63	V	2.47759	2458012.956	max		Comm. 6	14565lc.jpg	14565ch.jpg	14565dat.txt
7	NSV 14580	SVS 1167	23 27 33.15, +60 27 03.8	SRC	10.58	11.43	V	416.	2458980	max		Comm. 7	14580lc.jpg	14580ch.jpg	14580dat.txt
8	NSV 14585	GSC 4486-00616	23 27 32.48, +72 09 42.0	EA	10.84	11.27	V	3.22766	2458065.725	min		Comm. 8	14585lc.jpg	14585ch.jpg	14585dat.txt
9	NSV 14660	HV 9760	23 40 19.34, -44 29 04.8	SRD	13.79	14.40	V	50.7	2456844.8	max		Comm. 9	14660lc.jpg	14660ch.jpg	14660dat.txt
10	NSV 14695	S 8309	23 45 23.75, +57 53 57.8	EW	15.51	16.01	V	0.357286	2458067.760	min		Comm. 10	14695lc.jpg	14695ch.jpg	14695dat.txt
11	NSV 14729	SVS 751	23 51 34.93, +45 31 26.5	RVA	13.31	14.95	V	220.9	2456990.8	min		Comm. 11	14729lc.jpg	14729ch.jpg	14729dat.txt
12	NSV 14741	S 8310	23 53 36.14, +56 06 04.0	EA	14.81	15.60	V	1.17880	2458347.945	min		Comm. 12	14741lc.jpg	14741ch.jpg	14741dat.txt
13	NSV 14774	SVS 839	23 57 34.90, +62 00 29.4	BCEP	11.89	11.96	V	0.653937	2457633.939	max		Comm. 13	14774lc.jpg	14774ch.jpg	14774dat.txt

Comments:

1. Min II = 15.28 V.
2. Min II = 14.61 V, D = 0.04 P.
3. Min II = 13.96 V, D = 0.06 P. Twice longer period is also possible.
4. Min II = 13.22 V, D = 0.08 P. Min II – Min I = 0.645 P.
5. Near the position of NSV 14544 (Luyten, 1937). Variability of this star was discovered by us using [Catalina Sky Survey \(CRTS\)](#) photometric data.
6. Sp A1. Alias P = 0.711070 d.
7. Sp M4I. ASAS-SN photometry in V- and g-bands, taken together, was used for period determination. g magnitudes were corrected by –1 mag.
8. Min II = 10.95 V, D = 0.04 P. The star was suspected by Metzger (1931) who published no finding chart. Recovered by us using the [ASAS-SN project](#) photometric data.
9. J = 11.96, J – H = 0.40, H – K = 0.12. The star was suspected by Luyten (1935) who published no finding chart. Recovered by us using the [Catalina Sky Survey \(CRTS\)](#) photometric data.
10. Min II = 16.00 V. Min I may be Min II.
11. J = 11.17, J – H = 0.31, H – K = 0.24. The star was included in the [ASAS-SN Catalog of Variable Stars](#) (Jayasinghe et al. 2018) with a type SR and P = 109.3427086 d.
12. Min II = 15.54 V, D = 0.14 P. The star was included in the [ASAS-SN Catalog of Variable Stars](#) (Jayasinghe et al. 2018) with a type EB and P = 2.8822451 d.
13. Sp OB-. M – m = 0.33 P.

Remarks:

In the current paper, I continue to announce the preparation of the revised electronic version of the New catalogue of suspected variable stars (NSV). While working on compiling the next Name-List for Version 5.1 of the [General Catalogue of Variable Stars \(GCVS\)](#) (Samus et al. 2017), I determined types, light elements and improved coordinates for 1 new variable star and 12 stars towards the end of NSV catalogue (Kukarkin et al. 1982) to transfer them to the GCVS. The study of the variables was made using the publicly available electronic archive of CCD observations of the [All-Sky Automated Survey for Supernovae \(ASAS-SN\) project](#) (Shappee et al. 2014, Kochanek et al. 2017) and [Catalina Sky Survey \(CRTS\)](#) photometric data (Drake et al. 2009). To find periods I applied the WinEfk software provided by Dr. V.P. Goranskij and the [online light curve analysis tool](#) by Dr. K.V. Sokolovsky.

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