

Light Elements for Five Eclipsing Variables from the NSV Catalog

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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 08162	HV 10845	17 05 24.53, -38 47 00.7	EA	13.1	13.8	V	10.7062	2454558.83	min		Comm. 1	8162lc.jpg	8162ch.jpg	ASAS 170525-3847.0
2	NSV 08180	HV 10851	17 06 36.94, -39 15 43.5	EW	12.84	13.15	V	0.367739	2454664.605	min		Comm. 2	8180lc.jpg	8180ch.jpg	ASAS 170637-3915.7
3	NSV 08345	HV 10880	17 14 22.04, -38 08 54.5	EB	13.1	13.5	V	0.527660	2454300.595	min		Comm. 3	8345lc.jpg	8345ch.jpg	ASAS 171422-3808.9
4	NSV 08541	HV 7683	17 22 27.27, -60 14 55.4	EW	13.44	13.90	V	0.771160	2453913.701	min		Comm. 4	8541lc.jpg	8541ch.jpg	ASAS 172227-6014.9
5	NSV 09580	HV 10262	17 43 54.78, -28 50 10.0	EW	14.0	14.55	V	0.430885	2453579.495	min		Comm. 5	9580lc.jpg	9580ch.jpg	ASAS 174355-2850.2

Comments:

1. MinII = 13.8: MinII–MinI = 0.65P, D = 0.04P.
2. MinII = 13.11.
3. MinII = 13.3.
4. MinII = 13.82.
5. MinII = 14.5.

Remarks:

We checked several poorly studied variable stars from the NSV Catalogue (Samus et al. 2007–2012) and found light elements for them. We could study the variables thanks to the publicly available electronic archives of CCD observations of the ASAS-3 project (Pojmanski 2002). NSV 8162, NSV 8180, NSV 8345 were suspected by Swope (1943), NSV 9580 was suspected by Swope (1940), and NSV 8541 was suspected by Shapley and Boyd (1937).

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References:

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