

## New Elements of 42 Southern Variables

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#	Name	Other	Coord (J2000)	Type	Max	Min	System	Period	Epoch (JD)	type	Sp	Comment	L.Curve	Find.Chart	Data
1		TYC 6433 1366 1	02 18 59.63, -23 05 32.0	EW	12.5	12.85	V	0.467700	2453600.271	min		<a href="#">Comm. 1</a>	<a href="#">1.png</a>		<a href="#">ASAS 021900-2305.5</a>
2		GSC 7046-01634	04 53 19.30, -31 31 56.7	RRAB	12.8	13.6	V	0.548946	2453600.298	max		<a href="#">Comm. 2</a>	<a href="#">2.png</a>		<a href="#">ASAS 045319-3131.8</a>
3		GSC 7068-00307	05 38 30.43, -35 54 20.0	RRAB	12.9	14.0	V	0.590761	2453600.174	max		<a href="#">Comm. 3</a>	<a href="#">3.png</a>		<a href="#">ASAS 053830-3554.4</a>
4	DQ Lup	GSC 7818-00033	14 35 21.47, -43 09 52.1	RRC	13.45	14.0	V	0.2398588	2453600.216	max		<a href="#">Comm. 4</a>	<a href="#">4.png</a>		<a href="#">ASAS 143521-4310.0</a>
5	UZ Lup	GSC 8292-01733	14 54 24.87, -52 10 30.1	RRAB	13.3	14.3	V	0.475727	2453600.363	max		<a href="#">Comm. 5</a>	<a href="#">5.png</a>		<a href="#">ASAS 145425-5210.4</a>
6		GSC 6170-00445	15 14 41.71, -15 59 07.7	HADS	12.4	12.8	V	0.0839938	2453600.002	max		<a href="#">Comm. 6</a>	<a href="#">6.png</a>		<a href="#">ASAS 151442-1559.1 NSVS 16202290</a>
7	DO Lib	GSC 6186-00786	15 49 11.63, -16 43 33.3	RRAB	13.8	15.0	V	0.540620	2453600.391	max		<a href="#">Comm. 7</a>	<a href="#">7.png</a>		<a href="#">ASAS 154912-1643.6 NSVS 16301968</a>
8	DR Lib	GSC 6191-00228	15 53 02.82, -18 33 57.4	RRAB	14.0	15.1	V	0.469416	2453600.276	max		<a href="#">Comm. 8</a>	<a href="#">8.png</a>		<a href="#">ASAS 155303-1834.0</a>
9	EO Lib	GSC 6191-01124	15 55 56.08, -17 34 57.0	RRAB	12.6:	13.4:	V	0.60846	2453600.514	max		<a href="#">Comm. 9</a>	<a href="#">9.png</a>		<a href="#">ASAS 155556-1735.1 NSVS 16308559</a>
10	BO Sco	USNO-A2.0 0600-20529124	16 27 25.36, -26 06 53.8	SRA	13.0	14.8	V	140	2452725	max		<a href="#">Comm. 10</a>	<a href="#">10.png</a>		<a href="#">ASAS 162725-2607.0</a>
11	AW Sco	USNO-A2.0 0600-21010387	16 37 48.34, -29 18 55.4	RRAB	13.2	14.3	V	0.596949	2453600.210	max		<a href="#">Comm. 11</a>	<a href="#">11.png</a>		<a href="#">ASAS 163749-2918.9</a>
12	FL Sco	GSC 7360-01455	17 01 47.69, -31 30 33.8	EW	13.1	13.55	V	0.413276	2453600.134	min		<a href="#">Comm. 12</a>	<a href="#">12.png</a>		<a href="#">ASAS 170148-3130.6</a>
13	KN Sco	USNO-A2.0 0525-26380794	17 05 38.22, -30 16 06.6	EW	13.8	14.2	V	0.467898	2453600.310	min		<a href="#">Comm. 13</a>	<a href="#">13.png</a>		<a href="#">ASAS 170538-3016.1</a>
14	V610 Sco	GSC 7873-00244	17 06 47.75, -39 52 35.3	EB	12.85	13.3	V	3.5192	2453601.11	min		<a href="#">Comm. 14</a>	<a href="#">14.png</a>		<a href="#">ASAS 170648-3952.6</a>
15	V428 Sco	GSC 7390-01728	17 56 29.86, -37 08 09.7	SRD	12.05	13.55	V	67	2453663	max	K0-K2	<a href="#">Comm. 15</a>	<a href="#">15.png</a>		<a href="#">ASAS 175630-3708.2</a>
16	CP Pav	GSC 8751-02374	18 09 51.39, -57 00 53.0	RRAB	13.8	14.8	V	0.53919	2453600.133	max		<a href="#">Comm. 16</a>	<a href="#">16.png</a>		<a href="#">ASAS 180951-5700.8</a>
17	V3801 Sgr	GSC 6273-00217	18 19 42.70, -18 54 37.5	EW	13.45	14.0	V	0.431995	2453600.157	min		<a href="#">Comm. 17</a>	<a href="#">17.png</a>		<a href="#">ASAS 181943-1854.6</a>
18	V3810 Sgr	USNO-A2.0 0675-25382560	18 23 21.30, -22 22 17.9	EW	13.1	13.5	V	0.480690	2453400.321	min		<a href="#">Comm. 18</a>	<a href="#">18.png</a>		<a href="#">ASAS 182322-2222.4</a>
19	V3820 Sgr	GSC 6857-00355	18 26 22.33, -24 14 16.5	CEP	13.1	14.3	V	13.127	2453601.6	max		<a href="#">Comm. 19</a>	<a href="#">19.png</a>		<a href="#">ASAS 182623-2414.3</a>
20	V3335 Sgr	GSC 7405-00624	18 26 45.49, -36 47 37.5	RVA	12.4	13.6	V	59.26	2453638	min		<a href="#">Comm. 20</a>	<a href="#">20.png</a>		<a href="#">ASAS 182646-3647.6</a>
21	V3824 Sgr	USNO-A2.0 0600-33579461	18 26 56.18, -24 18 17.2	RRAB	13.2	14.1:	V	0.61209	2453600.210	max		<a href="#">Comm. 21</a>	<a href="#">21.png</a>		<a href="#">ASAS 182656-2418.3</a>
22	V1610 Sgr	USNO-A2.0 0600-33649300	18 27 18.28, -27 09 40.6	SR	13.0	14.2	V	163	2454308	max		<a href="#">Comm. 22</a>	<a href="#">22.png</a>		<a href="#">ASAS 182718-2709.7</a>
23	V3833 Sgr	USNO-A2.0 0600-34004746	18 29 06.07, -26 37 55.1	SR	12.7	14.4	V	154	2453832	max		<a href="#">Comm. 23</a>	<a href="#">23.png</a>		<a href="#">ASAS 182906-2637.9</a>
24	V1899 Sgr	GSC 6865-03113	18 31 45.35, -26 45 53.3	RVA	11.2	14.1	V	105.2	2453586	min		<a href="#">Comm. 24</a>	<a href="#">24.png</a>		<a href="#">ASAS 183145-2645.9</a>
25	V2363 Sgr	GSC 6857-02855	18 32 35.30, -23 14 04.4	SR	13.0	13.9	V	147	2452843	max		<a href="#">Comm. 25</a>	<a href="#">25.png</a>		<a href="#">ASAS 183236-2314.1</a>
26	V3597 Sgr	USNO-B1.0 0579-0941571	18 34 53.35, -32 00 44.9	M:	13.2	>14.8	V	127	2453173	max		<a href="#">Comm. 26</a>	<a href="#">26.png</a>		<a href="#">ASAS 183453-3200.8</a>
27	CX Pav	GSC 8753-01130	18 35 34.03, -57 29 13.8	RRAB	13.7	14.5	V	0.599627	2453600.475	max		<a href="#">Comm. 27</a>	<a href="#">27.png</a>		<a href="#">ASAS 183533-5729.2</a>
28	V3687 Sgr	GSC 7419-02993	18 38 20.60, -36 40 25.4	SRA	12.4	14.4	V	205	2454313	max		<a href="#">Comm. 28</a>	<a href="#">28.png</a>		<a href="#">ASAS 183821-3640.4</a>

29	CZ Pav	GSC 8770-01262	18 51 19.36, -58 50 44.6	RRAB	13.5	14.6	V	0.549862	2453600.111	max		<a href="#">Comm. 29</a>	<a href="#">29.png</a>		<a href="#">ASAS 185119-5850.9</a>
30	OO Pav	GSC 9300-00593	18 57 58.12, -71 50 56.9	SRA	12.7	14.7	V	123	2452920	max		<a href="#">Comm. 30</a>	<a href="#">30.png</a>		<a href="#">ASAS 185757-7151.0</a>
31	V2153 Sgr	GSC 7936-00862	19 38 21.00, -40 22 40.5	EW	13.2	14.0	V	0.338431	2453600.167	min		<a href="#">Comm. 31</a>	<a href="#">31.png</a>		<a href="#">ASAS 193821-4022.7</a>
32	V2166 Sgr	GSC 7937-03247	19 42 30.22, -40 11 48.1	EA	13.4	13.9	V	3.67552	2453600.16	min		<a href="#">Comm. 32</a>	<a href="#">32.png</a>		<a href="#">ASAS 194230-4011.8</a>
33	V2184 Sgr	GSC 7438-00174	19 46 17.49, -37 24 52.7	EA	12.7	13.4	V	16.4960	2453614.205	min		<a href="#">Comm. 33</a>	<a href="#">33.png</a>		<a href="#">ASAS 194617-3724.8</a>
34	V2192 Sgr	GSC 7937-00575	19 48 16.89, -40 18 51.8	EW	13.65	14.2	V	0.356061	2453600.093	min		<a href="#">Comm. 34</a>	<a href="#">34.png</a>		<a href="#">ASAS 194817-4018.9</a>
35	V2202 Sgr	GSC 7934-01870	19 52 43.92, -38 57 52.2	RRAB	14.0	15.0	V	0.77908	2453600.415	max		<a href="#">Comm. 35</a>	<a href="#">35.png</a>		<a href="#">ASAS 195244-3857.9</a>
36	QY Pav	GSC 8787-01513	19 53 42.39, -59 20 09.9	EW	14.0	14.7	V	0.296587	2453600.159	min		<a href="#">Comm. 36</a>	<a href="#">36.png</a>		<a href="#">ASAS 195343-5920.2</a>
37	FY Pav	GSC 9310-00736	19 57 15.57, -69 44 22.7	EA	13.5	>14.4	V	6.87484	2453163.69	min		<a href="#">Comm. 37</a>	<a href="#">37.png</a>		<a href="#">ASAS 195717-6944.4</a>
38	V2223 Sgr	GSC 7947-01762	20 01 30.96, -39 11 39.8	RRAB	14.0	15.1	V	0.62707	2453600.307	max		<a href="#">Comm. 38</a>	<a href="#">38.png</a>		<a href="#">ASAS 200131-3911.7</a>
39	V2227 Sgr	GSC 7951-00907	20 03 24.62, -40 08 55.9	RRAB	13.8	15.0	V	0.581928	2453600.388	max		<a href="#">Comm. 39</a>	<a href="#">39.png</a>		<a href="#">ASAS 200325-4008.9</a>
40	V2240 Sgr	GSC 7960-00866	20 10 52.05, -43 37 18.2	RRAB	13.5	14.2	V	0.552024	2453600.505	max		<a href="#">Comm. 40</a>	<a href="#">40.png</a>		<a href="#">ASAS 201052-4337.3</a>
41	V2264 Sgr	GSC 7949-01074	20 20 09.31, -38 44 20.2	RRAB	14.0	14.8	V	0.53942	2453600.097	max		<a href="#">Comm. 41</a>	<a href="#">41.png</a>		<a href="#">ASAS 202009-3844.3</a>
42	V338 Pav	GSC 9105-01220	21 08 34.15, -63 28 05.8	RRAB	13.1	14.2	V	0.53083	2453600.188	max		<a href="#">Comm. 42</a>	<a href="#">42.png</a>		<a href="#">ASAS 210834-6328.1</a>

### Comments:

1. The variability of TYC 6433 1366 1 was reported by Pojmanski (2002). The ASAS-3 catalog lists the variable as an EC/RRC star with the wrong period of 0.61105 d. I reinvestigated the star using the currently available ASAS-3 data and found it to be an EW eclipsing binary with a shorter period.  $\text{MinII} = 12.75$ .
2. The variability of GSC 7046-01634 was discovered by Pojmanski (2002). The ASAS-3 catalog lists the variable as a Cepheid (DCEP-FU) with the wrong period of 1.2215 d. I reinvestigated the star using the currently available ASAS-3 data and found it to be an RRAB variable star. The period suggested by Pojmanski (2002) is a one-day alias of the real one (see the Table).  $M-m = 0.22$  P.  $J-H = 0.168$  (2MASS). The period probably is somewhat variable.
3. The variability of GSC 7068-00307 was reported by Pojmanski (2002). The ASAS-3 catalog lists the variable as an RRC: star with the wrong period of 0.270632 d. I reinvestigated the star using the currently available ASAS-3 data and found it to be an RRAB variable star. The period suggested by Pojmanski (2002) is a one-day alias of the real one (see the Table).  $M-m = 0.20$  P.  $J-H = 0.329$  (2MASS). Blazhko effect with the period  $\Pi = 40.5$  d.
4. The variability of DQ Lup was discovered by McLeod and Swope (1941). The variable was classified in the GCVS as an RR star with the wrong period of 0.31582 d. According to ASAS-3 data, it is an RRC star. The period suggested by GCVS is a one-day alias of the real one (see the Table).  $M-m = 0.42$  P.  $J-H = 0.153$  (2MASS).
5. The variability of UZ Lup was discovered by Mohr (1929). The variable was classified in the GCVS as an RR: star without light elements. According to ASAS-3 data, it is an RRAB star.  $M-m = 0.20$  P.  $J-H = 0.325$  (2MASS).
6. The variability of GSC 6170-00445 was reported by Pojmanski (2002). The ASAS-3 catalog lists the variable as a DSCT star with the wrong period of 0.10098 d. I reinvestigated the star using the currently available ASAS-3 data and the ROTSE-I/NSVS data. The period suggested by Pojmanski (2002) is a one-day alias of the real one (see the Table).  $M-m = 0.39$  P.  $J-H = 0.149$  (2MASS).
7. The variability of DO Lib was discovered by Hanley (1942). The variable was classified in the GCVS as an RR star without light elements. According to ASAS-3 and ROTSE-I/NSVS data, it is an RRAB star.  $M-m = 0.24$  P.  $J-H = 0.313$  (2MASS).
8. The variability of DR Lib was discovered by Hanley (1942). The variable was classified in the GCVS as an RR star without light elements. According to ASAS-3 data, it is an RRAB star.  $M-m = 0.22$  P.  $J-H = 0.247$  (2MASS).
9. The variability of EO Lib was reported by Hanley (1942). The variable was classified in the GCVS as an RR star without light elements. According to ASAS-3 and ROTSE-I/NSVS data, it is an RRAB star.  $M-m = 0.21$  P.  $J-H = 0.281$  (2MASS). The tabulated amplitude is too low: ASAS-3 measured the combined brightness of two stars, GSC 6191-01124 and GSC 6191-01108; the NSVS amplitude is still lower than the ASAS-3 one, three stars (with the addition of GSC 6191-01128) were measured there.
10. BO Sco, an IN: type star (Orion variable) in the GCVS, where the information was based on Satyvoldiev (1982), is actually a semiregular pulsating star (SRA type) according to ASAS-3 data.  $J-H = 1.025$  (2MASS).
11. The variability of AW Sco was discovered by Leavitt (1904). No light elements have been published to the present. According to ASAS-3 data, it is an RRAB star.  $M-m = 0.18$  P.  $J-H = 0.188$  (2MASS).
12. The variability of FL Sco was reported by Swope (1928a). The variable was classified in the GCVS as an RR: star without light elements. According to ASAS-3 data, it is an eclipsing variable star (EW type).  $\text{MinII} = 13.5$ .
13. The variability of KN Sco was discovered by Swope (1928b). The variable was classified in the GCVS as an RR star without light elements. According to ASAS-3 data, it is an eclipsing variable star (EW type).  $\text{MinII} = 14.1$ .

The close faint companion USNO-A2.0 0525-26382756 probably makes the ASAS amplitude too low.

14. The variability of V610 Sco was reported by Swope (1943). The variable was classified in the GCVS as an eclipsing variable (E type) without light elements. According to ASAS-3 data, it is an EB star.  $\text{MinII} = 13.0$ .

15. V428 Sco, an I type star (poorly studied irregular variable) in the GCVS, where the information was based on Swope (1936), is actually a semiregular pulsating star according to ASAS-3 data. Its colour index  $J-H = 0.665$  (2MASS) and spectral type K0-K2 (Cieslinski et al. 1998) suggest the SRD type. The variable has two close faint companions, 2MASS 17563007-3708053 and 2MASS 17562951-3708134.

16. The variability of CP Pav was discovered by Shapley et al. (1939). The variable was classified in the GCVS as an RR star without light elements. According to ASAS-3 data, it is an RRAB star.  $M-m = 0.27$  P.  $J-H = 0.306$  (2MASS). The close faint companion 2MASS 18095102-5700544 possibly makes the ASAS amplitude somewhat too low.

17. The variability of V3801 Sgr was discovered by Hoffleit (1972). The variable was classified in the GCVS as an RR star without light elements. According to ASAS-3 data, it is an EW type star.  $\text{MinII} = 13.95$ .

18. The variability of V3810 Sgr was reported by Hoffleit (1972). The variable was classified in the GCVS as an EW: type star without light elements. I confirm the eclipsing nature of this variable and suggest EW type according to ASAS-3 data.  $\text{MinII} = 13.4$ . The close faint companion USNO-A2.0 0675-25382928 probably makes the ASAS amplitude too low.

19. The variability of V3820 Sgr was reported by Hoffleit (1972). The variable was classified in the GCVS as a Cepheid (CEP:) with the possible period  $P=14$ : d. I confirm the pulsating nature of this variable (CEP type) according to ASAS-3 data.  $M-m = 0.35$  P.  $J-H = 0.486$  (2MASS).

20. The variability of V3335 Sgr was discovered by Plaut (1971). The variable was classified in the GCVS as an SRB: star (or maybe a Cepheid or an RV Tau variable) without light elements. According to ASAS-3 data, it is definitely an RVA star.  $J-H = 0.313$  (2MASS). Probably a double star on the Palomar images.

21. The variability of V3824 Sgr was discovered by Hoffleit (1972). The variable was classified in the GCVS as an RR: type star without light elements. According to ASAS-3 data, it is an RRAB star.  $J-H = 0.148$  (2MASS). Observations are also satisfied by a twice shorter period, 0.30604 d, so that the type becomes RRC.

22. V1610 Sgr, a CEP: star (possible period  $P < 0.5$  d) in the GCVS, where the information was based on Ponsen (1955), is actually a semiregular pulsating star (SR) according to ASAS-3 data.  $J-H = 0.942$  (2MASS). Probably it can be identified with IRAS 18242-2711.

23. V3833 Sgr, an LB: star (slow irregular variable, spectral type M0:) in the GCVS, where the information was based on Hoffleit (1972), is actually an SR star according to ASAS-3 data.  $J-H = 0.968$  (2MASS).

24. The variability of V1899 Sgr was discovered by Hoffleit (1961). The variable was classified in the GCVS as an RV star without light elements. The ASAS-3 catalog lists the star as a MISC variable with the period of 52.880001 d. I reinvestigated the star using the currently available ASAS-3 data and found it an RVA variable star with a twice longer period.  $J-H = 0.444$  (2MASS). The shape of the light curve varies, so that the primary minimum becomes the secondary one and vice versa.

25. The variability of V2363 Sgr was discovered by Hoffleit (1965). The variable was classified in the GCVS as an LB: star (slow irregular variable), of the spectral type M7. According to ASAS-3 data, it is a semiregular pulsating star.  $J-H = 1.179$  (2MASS). IRAS 18295-2316.

26. The variability of V3597 Sgr was reported by Plaut (1971). The variable was classified in the GCVS as a Mira star (M:) with the period of  $P = 193$ : days. According to ASAS-3 data, the period from the GCVS is wrong.  $J-H = 0.835$  (2MASS). IRAS 18316-3203. There is a close faint companion, USNO-B2.0 0579-0941562.

27. The variability of CX Pav was discovered by Shapley et al. (1939). The variable was classified in the GCVS as an RR star without light elements. According to ASAS-3 data, it is an RRAB star.  $M-m = 0.17$  P.  $J-H = 0.156$  (2MASS).

28. The variability of V3687 Sgr was reported by Plaut (1971). The variable was classified in the GCVS as an SR star without light elements. According to ASAS-3 data, it is a semiregular pulsating star (SRA).  $J-H = 0.846$  (2MASS). IRAS Z18349-3643.

29. The variability of CZ Pav was discovered by Shapley et al. (1939). The variable was classified in the GCVS as an RR star without light elements. According to ASAS-3 data, it is an RRAB star.  $M-m = 0.18$  P.  $J-H = 0.036$  (2MASS). Because of the close companion 2MASS 18511965-5850581, the ASAS amplitude is probably too low.

30. The variability of OO Pav was reported by Gessner and Meinunger (1974). The variable was classified in the GCVS as an L-type star (slow irregular variable). The ASAS-3 catalog lists the star (ASAS J185758-7150.9) as a MISC variable with the wrong period of  $P = 62.761505$  d. I reinvestigated the star using the currently available ASAS-3 data and found it a semiregular pulsating star (SRA) with a twice longer period.  $J-H = 0.723$  (2MASS).

31. The variability of V2153 Sgr was reported by Hoffmeister (1963a). The variable was classified in the GCVS as an EB type star without light elements. According to ASAS-3 data, it is an eclipsing variable star (EW type).  $\text{MinII} = 13.8$ .

32. V2166 Sgr, an IS: type star (variable star with rapid variations) in the GCVS, where the information was based on Hoffmeister (1963a), is actually an eclipsing variable star (EA type) according to ASAS-3 data.  $D = 0.15$  P.  $\text{MinII} = 13.8$ . A twice shorter period is not excluded.

33. The variability of V2184 Sgr was discovered by Hoffmeister (1963a). The variable was classified in the GCVS as an EA-type star without light elements. I confirm the eclipsing nature of this variable (EA type) according to ASAS-3 data.  $D = 0.024$  P. This is an eccentric binary system, the phase of  $\text{MinII}$  being 0.768 P.

34. The variability of V2192 Sgr was discovered by Hoffmeister (1963a). The variable was classified in the GCVS as an RR type star without light elements. According to ASAS-3 data, it is an eclipsing variable star (EW type).  $\text{MinII} = 14.2$ .

35. The variability of V2202 Sgr was reported by Hoffmeister (1963a). The variable was classified in the GCVS as an RR type star without light elements. According to ASAS-3 data, it is an RRAB star.  $J-H = 0.230$  (2MASS).

36. The variability of QY Pav was discovered by Gessner and Meinunger (1974). The variable was classified in the GCVS as an eclipsing variable star (E type). No period is tabulated there, the time of minimum is given as HJD 2436785.247. I confirm the eclipsing nature of this variable (EW type) according to ASAS-3 data.  $\text{MinII} = 14.5$ .

37. The variability of FY Pav was discovered by Gessner and Meinunger (1974). The variable was classified in the GCVS as an eclipsing variable star (EA/SD:), with the times of minima  $\text{MinI} = \text{JD}2436808.433$ ,  $\text{MinII} = \text{JD}2436784.37$ . I confirm the eclipsing nature of this variable (EA type) according to ASAS-3 data.  $\text{MinII} = 13.9$ .  $D = 0.052$  P.

38. The variability of V2223 Sgr was reported by Hoffmeister (1963a). The variable was classified in the GCVS as an RR type star without light elements. According to ASAS-3 data, it is an RRAB star.  $M-m = 0.30$ : P.  $J-H = 0.069$  (2MASS).

39. The variability of V2227 Sgr was reported by Hoffmeister (1963a). The variable was classified in the GCVS as an RR type star without light elements. According to ASAS-3 data, it is an RRAB type star.  $M-m = 0.15$ : P.  $J-H = 0.191$  (2MASS). There is a close faint companion, 2MASS 20032409-4009044.

40. The variability of V2240 Sgr was reported by Hoffmeister (1963a). The variable was classified in the GCVS as an RR type star without light elements. According to ASAS-3 data, it is an RRAB type star.  $J-H = 0.224$  (2MASS). The ASAS measured combined brightness of two stars, V2240 Sgr = GSC 7960-00866 = 2MASS 20105204-4337181 and 2MASS 20105250-4337238, so the amplitude is too low.

41. The variability of V2264 Sgr was reported by Hoffmeister (1963a). The variable was classified in the GCVS as an RR type star without light elements. According to ASAS-3 data, it is an RRAB star.  $J-H = 0.265$  (2MASS).

42. The variability of V338 Pav was reported by Hoffmeister (1963b). The variable was classified in the GCVS as an RR: type star without light elements. According to ASAS-3 data, it is an RRAB star.  $M-m = 0.24$  P.  $J-H = 0.278$  (2MASS).

#### Remarks:

I present my investigation of 42 known variable stars based on ASAS-3 (Pojmanski 2002) and ROTSE-I (Wozniak et al. 2004) data. These observations were analyzed using the period-search software developed by Dr. V.P. Goranskij for Windows environment. For the studied stars, previously suggested light elements and/or variability types were found to be wrong. The coordinates were drawn from the GCVS, Tycho-2 or 2MASS catalogs.

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