

29 New Variable Stars

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#	Name	Other	Coord.(J2000)	Type	Max	Min	System	Period	Epoch (JD)	type	Sp	Comment	L.Curve	Find.Chart	Data
1		GSC 01735-02162	00 10 46.20, +28 50 44.32	EW	14.2	15	R	0.266080	2451467.803	min		Comm. 1	1.png	chart1.png	NSVS 6292398
2		GSC 02260-01034	00 12 16.52, +31 22 32.53	DSCT:	14.1	14.55	R	0.158678	2451417.709	max			2.png	chart2.png	NSVS 6293362 NSVS 6324232
3		GSC 01734-00034	00 27 22.84, +25 10 01.85	EW	14	14.45	R	0.331110	2451427.672	min		Comm. 3	3.png	chart3.png	NSVS 6305826
4		GSC 02274-01160	00 27 27.75, +36 50 08.04	EW	13.8	14.3	R	0.416146	2451340.684	min		Comm. 4	4.png	chart4.png	NSVS 3665306 NSVS 6336528 NSVS 6349638
5		GSC 02806-01141	00 51 22.96, +42 50 33.58	EW	13.5	13.8	R	0.406225	2451378.237	min		Comm. 5	5.png	chart5.png	NSVS 3793628
6		GSC 02299-00122	01 16 51.89, +35 00 39.50	EW	13.65	14.15	R	0.264652	2451460.67	min		Comm. 6	6.png	chart6.png	NSVS 6438651
7		GSC 02309-00078	02 12 05.47, +30 36 15.54	BY	13.45	13.75	R	2.57	2451485.7	max			7.png	chart7.png	NSVS 6516921 NSVS 6543658
8		GSC 01218-01214	02 19 35.16, +18 56 30.04	EW	13.65	14.05	R	0.594690	2451382.317	min		Comm. 8	8.png	chart8.png	NSVS 9259599
9		GSC 01793-00117	02 50 58.20, +29 09 58.32	EW	13.6	13.95	R	0.552435	2451518.652	min		Comm. 9	9.png	chart9.png	NSVS 6616539
10		GSC 01227-00238	02 51 39.44, +19 10 53.66	EW	13.55	13.85	R	0.415573	2451473.409	min		Comm. 10	10.png	chart10.png	NSVS 9283549
11		GSC 02359-00773	03 41 32.02, +33 07 37.26	EW	13.75	14.15	R	0.438842	2451415.634	min		Comm. 11	11.png	chart11.png	NSVS 6682258 NSVS 6694479
12		GSC 04509-02785	03 47 35.60, +75 57 28.79	EW	13.65	14.05	R	0.323550	2451421.789	min		Comm. 12	12.png	chart12.png	NSVS 440422 NSVS 477413
13		GSC 04513-01010	03 49 36.71, +78 06 33.91	EW	14	14.5	R	0.568011	2451420.756	min		Comm. 13	13.png	chart13.png	NSVS 437251 NSVS 480499
14		GSC 02361-01476	03 55 32.55, +32 56 52.93	BY:	13.1	13.27	R	1.69	2451565.16	max			14.png	chart14.png	NSVS 6693988 NSVS 6705831
15		GSC 02362-02057	04 11 04.75, +32 52 11.68	RRAB:	13.4	13.75	R	0.450951	2451509.643	max			15.png	chart15.png	NSVS 6721263
16		GSC 04526-00558	07 09 22.18, +75 47 15.57	EW	12.95	13.3	R	0.382437	2451456.713	min		Comm. 16	16.png	chart16.png	NSVS 605399 NSVS 639620 NSVS 704641 NSVS 732985
17		GSC 02455-00763	07 16 12.68, +32 48 02.14	EW	13.7	14.25	R	0.471460	2451504.784	min		Comm. 17	17.png	chart17.png	NSVS 7226501
18		GSC 04531-00585	07 30 27.13, +77 44 36.03	EW	13.45	13.75	R	0.284188	2451274.953	min		Comm. 18	18.png	chart18.png	NSVS 604825 NSVS 708633 NSVS 739782
19		GSC 01373-01050	07 40 54.90, +21 09 03.07	EW	12.8	13.10	R	0.396605	2451487.63	min		Comm. 19	19.png	chart19.png	NSVS 9982056
20		GSC 01931-01562	08 13 31.31, +24 51 52.91	EW	14	14.6	R	0.434790	2451513.888	min		Comm. 20	20.png	chart20.png	NSVS 7320800 NSVS 7384896
21		GSC 02478-00578	08 19 10.48, +35 02 17.41	EW	10.75	10.96	R	0.477433	2451308.962	min		Comm. 21	21.png	chart21.png	NSVS 7365029
22		GSC 02499-01289	09 21 59.41, +35 00 33.43	EW	13.95	14.5	R	0.280708	2451286.136	min		Comm. 22	22.png	chart22.png	NSVS 7449051 NSVS 7455708
23		GSC 01963-01521	09 48 37.30, +25 04 29.00	EW	13.75	14.3	R	0.375356	2451287.887	min		Comm. 23	23.png	chart23.png	NSVS 7487159
24		GSC 01961-00529	09 55 37.41, +23 13 35.26	EW	13.25	13.55	R	0.470246	2451277.67	min		Comm. 24	24.png	chart24.png	NSVS 7490525 NSVS 10224213
25		GSC 02070-00539	16 45 00.70, +28 52 28.13	EW	13.4	13.9	R	0.398601	2451408.741	min		Comm. 25	25.png	chart25.png	NSVS 7897173
26		GSC 01653-00678	21 08 09.93, +18 33 30.33	EA	13.7	14.45	R	2.8521	2451427.027	min		Comm. 26	26.png	chart26.png	NSVS 11605626
27		GSC 02718-01789	21 49 13.21, +30 58 05.90	EW	11.92	12.13	R	0.631038	2451324.93	min		Comm. 27	27.png	chart27.png	NSVS 8738913 NSVS 8833276
28		GSC 02245-00390	23 23 48.25, +26 52 13.52	EW	14	14.5	R	0.313912	2451335.567	min		Comm. 28	28.png	chart28.png	NSVS 6256597 NSVS 8989983
29		GSC 02252-02017	23 57 20.31, +22 51 36.56	BY	12.05	12.25	R	4.13	2451401.7	max		Comm. 29	29.png	chart29.png	NSVS 6281838 NSVS 9057181

Comments:

1. MinII = 14^m.8.
3. MinII = 14^m.4.
4. MinII = 14^m.2.
5. MinII = 13^m.9.
6. MinII = 14^m.05.
8. MinII = 13^m.9.
9. MinII = 13^m.95.
10. MinII = 13^m.8.
11. MinII = 14^m.15.
12. MinII = 14^m.03.
13. MinII = 14^m.4.
16. MinII = 13^m.25.
17. MinII = 14^m.1.
18. MinII = 13^m.7.
19. MinII = 13^m.07.
20. MinII = 14^m.5.
21. MinII = 10^m.92.
22. MinII = 14^m.4.
23. MinII = 14^m.1.
24. MinII = 13^m.45.
25. MinII = 13^m.75.
26. MinII = 14^m.3. O'Connell effect. D = 0.12: P.
27. MinII = 12^m.1.
28. MinII = 14^m.4.
29. P = 1.32 d is also possible.

Remarks:

I presents new variables discovered by data mining. My search for variables was carried out in the publicly available data of the [Northern Sky Variability Survey](#) (NSVS, Wozniak et al. 2004). These observations were analyzed using the period-search software developed by Dr. V.P. Goranskij for Windows environment.

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References:

Wozniak, P.R., Vestrand, W.T., Akerlof, C.W., et al., 2004, *Astron. J.*, 127, 2436