

## New RS CVn 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		TYC 2792 00405 1	00 36 33.21, +43 05 54.4	RS	11.1	11.55	R	24.41	2451572.70	max		<a href="#">Comm. 1</a>	<a href="#">1.gif</a>	<a href="#">chart1.jpg</a>	<a href="#">NSV 3781513</a>
2		TYC 2796 00162 1	00 37 11.90, +44 12 59.5	RS	10.43	10.60	R	16.71	2451414.74	max		<a href="#">Comm. 2</a>	<a href="#">2.gif</a>	<a href="#">chart2.jpg</a>	<a href="#">NSV 3782692</a>
3		TYC 2809 01847 1	00 40 20.89, +43 43 25.3	RS	9.13	9.25	R	10.78	2451507.39	max		<a href="#">Comm. 3</a>	<a href="#">3.gif</a>	<a href="#">chart3.jpg</a>	<a href="#">NSV 3784810</a>
4		TYC 2978 00193 1	08 27 13.63, +41 28 32.6	RS	10.53	10.75	R	17.61	2451278.69	max		<a href="#">Comm. 4</a>	<a href="#">4.gif</a>	<a href="#">chart4.jpg</a>	<a href="#">NSV 4810698</a>

### Comments:

1. 1RXS J003633.1+430550. B-V = +1.23.
2. 1RXS J003712.3+441303. B-V = +0.8.
3. 1RXS J004021.5+434327. B-V = +1.2. NSVS 3784810 is a blend of two bright stars; as a result, the NSVS amplitude is small. The X-ray source is closer to the eastern component.
4. 1RXS J082713.6+412830. B-V = +1.0.

### Remarks:

I present the discovery of four new RS CVn stars. A search for variables was carried out in the publicly available data of the Northern Sky Variability Survey (NSVS, Wozniak et al., 2004, also see <http://skydot.lanl.gov/nsvs>). These observations were analyzed using the period-search software Peranso (<http://users.skynet.be/fa079980/peranso/index.htm>).

### References:

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