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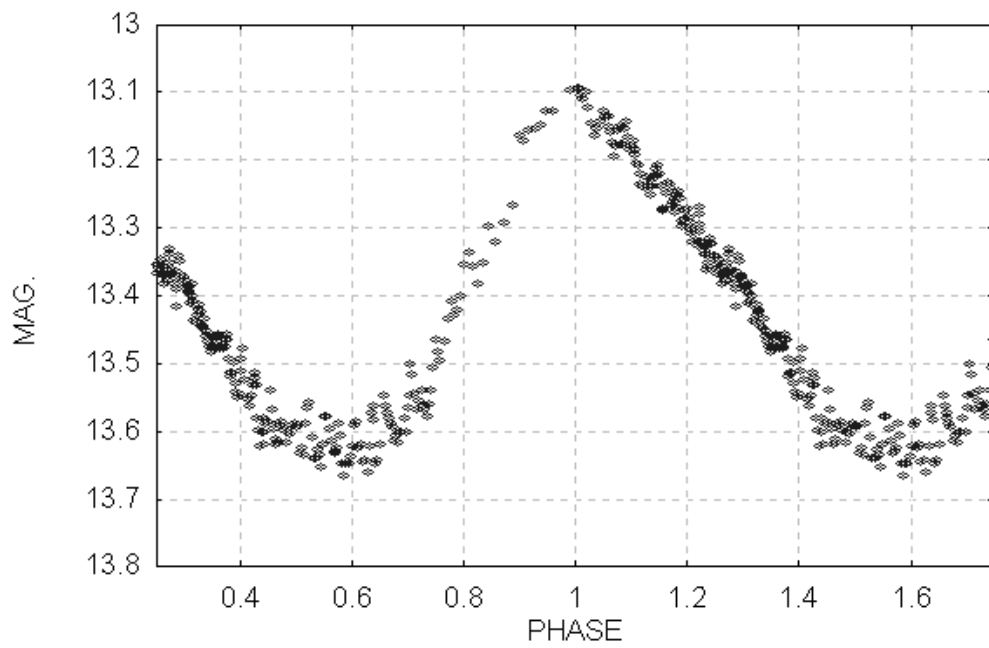
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**NEW CCD-LIGHTCURVE AND IMPROVED ELEMENTS OF TY Ari**

MARTIGNONI, M.

Via Don Minzoni 26, I-20020 Magnago (Milano), Italy

<b>Name of the object:</b>	
TY Ari = GSC 1761.1085	
<b>Equatorial coordinates:</b>	<b>Equinox:</b>
R.A. = 02 <sup>h</sup> 08 <sup>m</sup> 40 <sup>s</sup> .28    DEC. = +25° 13' 07".1	2000.0
<b>Observatory and telescope:</b>	
Private Station in Busto Arsizio, 0.21-m Newton (F/5.0)	
<b>Detector:</b>	DTA Seti 245C CCD Camera
<b>Filter(s):</b>	None
<b>Comparison star(s):</b>	GSC 1761.0989
<b>Check star(s):</b>	GSC 1761.0901
<b>Transformed to a standard system:</b>	No
<b>Availability of the data:</b>	
Through IBVS Web-site as 4804-t1.txt	
<b>Type of variability:</b>	RRC
<b>Remarks:</b>	
<p>The variability of TY Ari (= S 3543 = 218.1943 = CSV 193) was discovered by Hoffmeister (1944) and first observed by Meinunger (1966) who found a possible RR Lyrae nature and gave an approximate period of variation. First elements and type determination of variability were given by Schmidt and Seth (1996). We observed TY Ari during 1998 and obtained 307 measures on 6 nights from JD 2451134 to JD 2451200. Using the period search algorithm Lancelot (Gaspani, 1995), in agreement with the period found by Schmidt and Seth, we derived the following new elements of variation:</p> $\text{Max} = \text{HJD } 2451166.333(3) + 0^{\text{d}}329715(3) \times E.$ <p>Figure 1 shows data folded with these elements.</p>	



**Figure 1.** CCD-lightcurve of TY Ari folded with elements given in the text

References:

- Gaspani, A., 1995, GEOS FT 78  
Hoffmeister, C., 1944, MVS 52  
Meinunger, L., 1966, MVS 3, 220  
Schmidt, E.G., Seth, A., 1996, AJ 112, 2769