

COMMISSIONS 27 AND 42 OF THE IAU  
INFORMATION BULLETIN ON VARIABLE STARS

Number 5829

Konkoly Observatory  
Budapest  
7 May 2008

HU ISSN 0374 – 0676

**NEW OUTBURST OF V1118 Ori (2007-2008)**

GARCIA, JOSE GARCIA<sup>1</sup>; PARSAMIAN, ELMA S.<sup>2</sup>

<sup>1</sup> Tamarindo, 5, 41089 Dos Hermanas, Sevilla, Spain e-mail: garciados@infonegocio.com

<sup>2</sup> V. Ambartsumian Byurakan Astrophysical Observatory, Armenia e-mail: elma@sci.am, eparsam@bao.sci.am

<b>Name of the object:</b>	
V1118Ori	
<b>Equatorial coordinates:</b>	<b>Equinox:</b>
R.A.= 5 <sup>h</sup> 34 <sup>m</sup> 44 <sup>s</sup> .2    DEC.= -5°33'40''	2000
<b>Observatory and telescope:</b>	
Private obs., Sevilla(Spain) with Schmidt-Cassegrain tel.	
<b>Detector:</b>	CCD Camera
<b>Filter(s):</b>	V
<b>Date(s) of the observation(s):</b>	
2007.02.09 – 2008.21.02	
<b>Comparison star(s):</b>	Parenago 1492,1518,1540,1600,1641
<b>Availability of the data:</b>	
Available at the IBVS website (5829-t1.txt)	
<b>Type of variability:</b>	EXor
<b>Remarks:</b>	
Since 1983, the discovery, V1118 Ori became known as an EXor or Subfuor (Parsamian and Gasparian, 1987; Herbig, 1990). We have information concerning its outbursts the periods 1983-84 (Kosai, 1983; Hurst et al., 1984; Parsamian and Gasparian, 1987), 1988-90 (Parsamian et al., 1993; Parsamian et al., 1996), 1992-94 (Garcia Garcia, Mampaso and Parsamian, 1995; Parsamian et al., 2002), 1996-98 (Hayakawa et al., 1998; Garcia Garcia and Parsamian, 2000), 2004-06 (Waagen et al., 2005; Williams et al., 2005; Garcia Garcia et al., 2006). New observations show, that V1118 Ori started brightening at 12.10.2007 until reached its maximum of V=15 <sup>m</sup> 3, then decreased. Some fluctuations of the brightness are observed. The last observation at 10.02.2008 is V=16 <sup>m</sup> 11.	

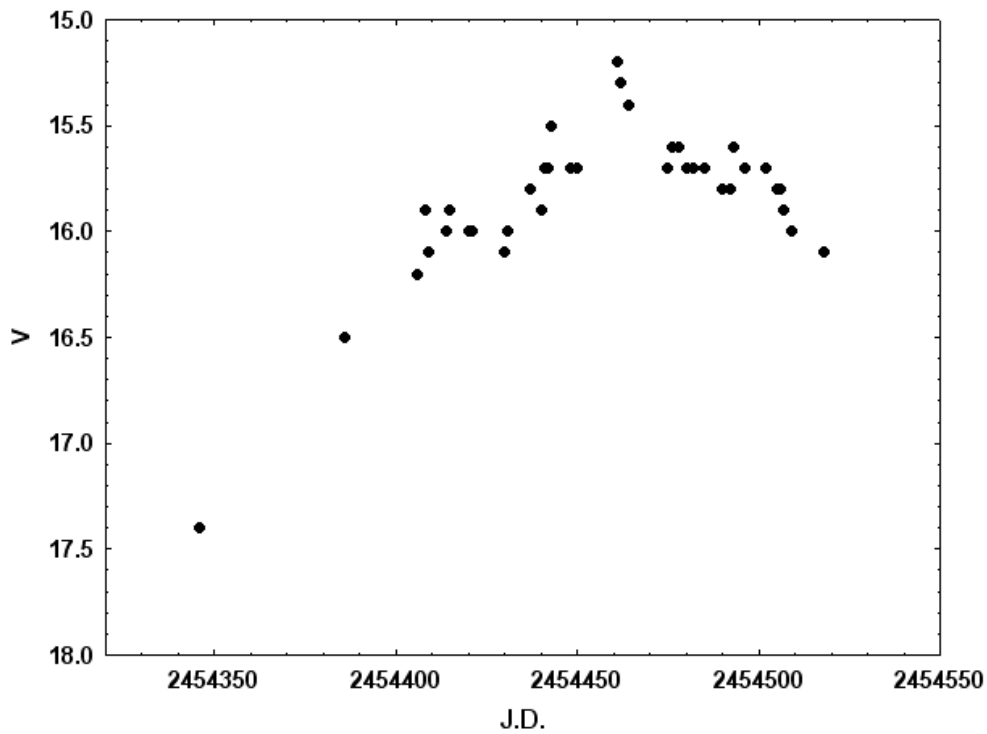


Figure 1.

Reference:

- Garcia Garcia J., Mampaso, A., Parsamian E., 1995, *IBVS*, 4268  
 Garcia, Garcia, J., Parsamian, E. S., 2000, *IBVS*, 4925  
 Hayakawa T., Ueda T., Uemura M. et al., 1998, *IBVS*, 4615  
 Herbig, G.H., 1990, *Low Mass Star Formation and Pre-Main Sequence Objects*, ed. Bo Reipurth, Munchen, 223  
 Hurst, G.M., Chanal, R. et al., 1984, *IAU Circ.*, **3924**  
 Kosai, H., 1983, *IAU Circ.*, **3763**  
 Parsamian, E.S., Gasparian K.G., 1987, *Astrophysics*, **27**, 598  
 Parsamian, E.S., Ibragimov, M.A. et al., 1993, *Astrophysics*, **36**, 12  
 Parsamian, E.S., Gasparian, K.G. et al., 1996, *Astrophysics*, **39**, 201  
 Parsamian, E. S., Mujica, R., Corral L. et al., 2002, *Astrophysics*, **45**, 393  
 Waagen, E. O. et al, 2005, *IAU Circ.*, **8626**  
 Williams, P. et al., 2005, *IAU Circ.*, **8460**