



Publication Year	2017
Acceptance in OA	2020-09-07T09:47:19Z
Title	VizieR Online Data Catalog: Follow-up photometry of M101 OT2015-1 (Blagorodnova+, 2017)
Authors	Blagorodnova, N., Kotak, R., Polshaw, J., Kasliwal, M. M., Cao, Y., Cody, A. M., Doran, G. B., ELIAS DE LA ROSA, NANCY DEL CARMEN, Fraser, M., Fremling, C., Gonzalez-Fernandez, C., Harmanen, J., Jencson, J., Kankare, E., Kudritzki, R. -P., Kulkarni, S. R., Magnier, E., Manulis, I., Masci, F. J., Mattila, S., Nugent, P., Ochner, P., PASTORELLO, Andrea, Reynolds, T., Smith, K., Sollerman, J., Taddia, F., Terreran, G., TOMASELLA, Lina, TURATTO, Massimo, Vreeswijk, P. M., Wozniak, P., ZAGGIA, Simone
Publisher's version (DOI)	10.26093/cds/vizier.18340107
Handle	http://hdl.handle.net/20.500.12386/27165
Journal	VizieR Online Data Catalog

Follow-up photometry of M101 OT2015-1 : J/ApJ/834/107

Access to



VizieR (<https://vizier.u-strasbg.fr/viz-bin/VizieR?source=J/ApJ/834/107>)

FTP (<ftp://cdsarc.u-strasbg.fr/ftp/pub/vizieR/J/ApJ/834/107>)

ReadMe (<https://vizier.u-strasbg.fr/viz-bin/ReadMe?source=J/ApJ/834/107>)



TAP (<http://tap.vizieR.u-strasbg.fr/adql/?J/ApJ/834/107>)

Authors : Blagorodnova N. , Kotak R., Polshaw J. et..al

VizieR DOI : 10.26093/cds/vizieR.18340107 [Cite](#)

Bibcode : 2017ApJ...834..107B (ADS) (<https://ui.adsabs.harvard.edu/?#abs/2017ApJ...834..107B>)

CDS Keywords : Photometry, UBVRI ; Photometry, SDSS ; Novae

Observation (OC)

Last modification : 04-Sep-2017

Article Origin

Description

See also

FTP

VizieR (<https://vizier.u-strasbg.fr/viz-bin/VizieR?-source=J/ApJ/834/107>)

Common envelope ejection for a luminous red nova in M101. (2017)

Go to the original article (10.3847/1538-4357/834/2/107) (<https://doi.org/10.3847/1538-4357/834/2/107>)

Keywords : binaries: close; novae, cataclysmic variables; stars: individual: (M101 OT2015-1, PSN J14021678+5426205); stars: massive; stars: winds, outflows

Abstract: We present the results of optical, near-infrared, and mid-infrared observations of M101 OT2015-1 (PSN J14021678+5426205), a luminous red transient in the Pinwheel galaxy (M101), spanning a total of 16 years. The light curve showed two distinct peaks with absolute magnitudes $M_{r,\leq} -12.4$ and $M_r \sim -12$, on 2014 November 11 and 2015 February 17, respectively. The spectral energy distributions during the second maximum show a cool outburst temperature of $\sim 3700\text{K}$ and low expansion velocities ($\sim 300\text{km/s}$) for the H α , CaII, BaII, and K α lines. From archival data spanning 15-8 years before the outburst, we find a single source consistent with the optically discovered transient, ...(more)

© Université de Strasbourg/CNRS



(<https://github.com/cds->

<https://www.unistra.fr/observatoire/observatoire-de-strasbourg/>) [Contact](mailto:contact@unistra.fr) (<mailto:contact@unistra.fr>) [question](mailto:question@unistra.fr) (<mailto:question@unistra.fr>) [Subject](#) ([Subject](#)) [VizieR](#) ([VizieR](#))