

[ Previous   Next   ADS ]	12417	Related Independent Discovery of a Slowly Brightening Object in M31
H-AIPNA CONTITENTION OF NOVAE IN M31 ATel #7921; E. Ovcharov (University of Sofia, Bulgaria), G. Nikolov, A. Kostov (IA-NAO, BAS), V. Bozhilov, M. Minev, A. Valcheva, P. Nedialkov	9942	Sectroscopic confirmation and photometry of the nova candidate M31N 2016-12e
(University of Sofia, Bulgaria) on <b>18 Aug 2015; 08:35 UT</b> Credential Certification: Evgeni Ovcharov (evgeni@nhys uni-sofia ba)	7921 7834	H-alpha confirmation of novae in M31 Possible Nova in M31
Subjects: Optical, Nova	7010	detected by MASTER- IAC
Tweet	7795	brightens up again Optical Nova Candidate
We report H-alpha and BR-band photometry of three objects in M31, suspected as novae. The objects are: PNV J00420640+4108211 = 2015-03a?	7189	in M31 Discovery of a Slowly- Evolving and Faint Probable Nova in M31
(ATel# 7189), 2015-07c? (ATel# 7795, ATel #7818) and TCP J00401150+4042199 = 2015-07e? (ATel #7834). The images are obtained with the 2m RCC telescope, equipped with focal reducer FoReRo2, and $50/70$ cm Schmidt telescope at Rozhen NAO, Bulgaria. The R- and H-alpha	7158	Spectral confirmation of the M31 novae M31N 2015-02a and M31N 2015-02b (= M31N 2006-11c)
PNV J00420640+4108211 = 2015-03a 2015 08 15.053 UT, Ha=16.52+/-0.04 (3x90s, 2m) 2015 08 15 025 UT, Pa = 10.20+/-0.09 (5x20s, 2m)	7142	Optical light curve parameters of the M31 recurrent nova M31N 2006-11c during its 2015 outburst
2015 08 15.025 01, R =19.20+/-0.08 (5x205, 2m) 2015_07c? 2015 08 15.066 UT, Ha=19.79+/-0.17 (3x90s, 2m) 2015 08 14.898 UT, R=20.26+/-0.13 (5x300s, 50/70cm)	7116	M31N 2006-11c appears to be spatially coincident with PNV J00413317+4110124 and hence a recurrent nova in M31
TCP J00401150+4042199 = 2015-07e? 2015 08 15.040 UT, Ha=16.28+/-0.03 (3x90s, 2m) 2015 08 15.029 UT, R=19.50+/-0.06 (5x20s, 2m)	7113 7104	Discovery of an Apparent Nova in M31 Swift/UVOT constrains outburst of Nova M31 2015-02a to well before optical detection
The strong H-alpha emission relative to the faint R-band magnitude for $2015-03a$ and $2015-07e$ strongly supports their classification as novae. The object $2015-07c$ does not seems to be a classical nova.	7076	Optical confirmation of the nova candidate in M31 Optical Nova Candidate
Furthermore, we present BR magnitudes for 2015-03a for the last three months: 2015 08 16.950 UT, R=19.17+/- 0.12 (5x300s, 50/70cm)	5677	in M31 Confirmation of Swift J004249.9+411457 in the Optical

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2015 08 16.970 UT, B=19.62+/- 0.08 (3x300s, 50/70cm) 2015 08 15.907 UT, R=19.20+/-0.12 (5x300s, 50/70cm) 2015 08 15.923 UT, B=19.63+/-0.12 (3x300s, 50/70cm) 2015 08 14.898 UT, R=19.20+/-0.12 (5x300s, 50/70cm) 2015 08 14.921 UT, B=19.84+/-0.12 (3x300s, 50/70cm) 2015 07 13.943 UT, R=19.79+/-0.22 (5x300s, 50/70cm) 2015 07 13.963 UT, B=[20.0 (3x300s, 50/70cm) 2015 06 03.036 UT, R=[20.0 (5x300s, 50/70cm) 2015 06 03.054 UT, B=[20.0 (3x300s, 50/70cm)

There is an indication for a slow re-brightening. The reported slow brightening by Hornoch et al. (ATel #7189) in February-March 2015, the presence of H-alpha excess and the visibility of a nova at brightness around the observed maximum more then 5 months later indicate that this object might be a rare F-class nova (Strope, Schaefer & Henden 2010).

## [ Telegram Index ]

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