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23 Oct 2018; 10:30 UT

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Independent INT/WFC discovery, improved position and IAC80/CAMELOT photometry of AT2018hho (= PNV J00424012+4117273) in M31

ATel #12127; *R. M. Doblas-Cabezas (ULL), A. Alvarez-Saavedra (ULL), M. Fernandez-Torreiro (ULL), D. SanJulian-Jacques (ULL), A. Alvarez-Hernandez (ULL), P. Carro-Portos (ULL), E. A. Diaz-Suarez (ULL), A. Hernandez-Garcia (ULL & IAC), M. Mallorquin (ULL), J. E. Mendez-Delgado (ULL & IAC), D. Moral-Pombo (ULL), M. A. Nuñez-Cagigal (ULL & IAC), H. Villegas-Beberide (ULL), E. M. Garcia-Zamora (ULL), G. Panizo-Espinar (ULL), J. Sanchez-Sierras (ULL), P. Sola La Serna (IAC), L. Montegudo (ING) and I. Perez-Fournon (ULL & IAC)*

on 18 Oct 2018; 12:46 UT

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Subjects: Optical, Nova, Transient

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We report the independent discovery of a nova candidate in M31 on CCD images taken from 2018 Oct 13.937 to 2018 Oct 14.176 with the Wide Field Camera of the Isaac Newton Telescope. The discovery of this nova candidate was reported to TNS by Raffaele Belligoli, Flavio Castellani and Claudio Marangoni. We also observed AT2018hho with the CAMELOT CCD camera of the IAC80 telescope at Teide Observatory in Tenerife on the same night. We report here the IAC80 photometry in the Sloan g, r, and i filters, calibrated using Pan-STARRS1, and the improved position based on the IAC80 images, calibrated using the Gaia DR2 catalog. RA (J2000) = 00:42:40.13, Dec (J2000) = +41:17:26.9. This position is offset by 0.9 arcsec from the position given by Belligoli et al. The IAC80 magnitudes of the nova candidate are: g = 16.66 +/- 0.05, r = 16.54 +/- 0.06, i = 16.50 +/- 0.09. Based on observations made with the INT telescope operated on the island of La Palma by the Isaac Newton Group in the Observatorio del Roque de los Muchachos and with the IAC80 telescope operated by the Instituto de Astrofísica de Canarias on the island of Tenerife in the Observatorio del Teide.

IAC80 r-band image

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