



Publication Year	2019
Acceptance in OA @INAF	2022-06-20T14:42:04Z
Title	LIGO/Virgo S191213g: GRAWITA TNG NIR imaging of AT2019wxt (PS19hgw)
Authors	D'AVANZO, Paolo; MELANDRI, Andrea; CAPPELLARO, Enrico; ELIAS DE LA ROSA, NANCY DEL CARMEN; BOTTICELLA, MARIA TERESA; et al.
Handle	http://hdl.handle.net/20.500.12386/32431
Journal	GRB Coordinates Network
Number	26499

TITLE: GCN CIRCULAR
NUMBER: 26499
SUBJECT: LIGO/Virgo S191213g: GRAWITA TNG NIR imaging of AT2019wxt (PS19hgw)
DATE: 19/12/19 09:35:40 GMT
FROM: Paolo D'Avanzo at INAF-OAB <pda.davanzo@gmail.com>

P. D'Avanzo, A. Melandri (INAF-OAB), E. Cappellaro, N. Elias-Rosa (INAF-OAPd), M. T. Botticella (INAF-OAC),
S. Piranomonte, R. Carini (INAF-OAR), A. Rossi, E. Palazzi (INAF-OAS), E. Brocato (INAF-OAA; INAF-OAR),
A. Fiorenzano, D. Carosati (INAF-TNG), report on behalf of GRAWITA:

We obtained NIR observations of the faint transient AT2019wxt (PS19hgw; McBrien et al., GCN Circ. 26485), possibly associated with the gravitational wave event S191213g (LVC, GCN Circ. 26402), with the 3.58m TNG telescope equipped with NICS in imaging mode. A series of images were obtained with the J filter on 2019-12-18 from 19:16:04 to 19:59:02 UT (i.e. about 5.6 days after the GW event).

The transient is clearly detected with a magnitude $J(AB) = 19.6 \pm 0.1$ (obtained from preliminary psf photometry calibrated against the 2MASS catalogue and subtracting the host galaxy contribution).

[GCN OPS NOTE(19dec19): Per author's request, the Circular reference in the first line was changed from 26845 to 26485.]