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New Swift/XRT observations confirm that the active Galactic center transient is AX J1745.6-2901

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New Swift/XRT observations confirm that the active Galactic center transient is AX J1745.6-2901

ATel #5226; *N. Degenaar (Michigan), J. A. Kennea (PSU), R. Wijnands (UvA), M. T. Reynolds, J. M. Miller (Michigan) and N. Gehrels (GSFC), on behalf of a larger collaboration on 25 Jul 2013; 17:09 UT*
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Subjects: X-ray, Binary, Neutron Star, Transient

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Ongoing Swift/XRT monitoring observations of the Galactic center have allowed us to refine the position of the X-ray transient that is currently active (ATel #[5222](#)). Utilizing the position-enhancement algorithm described by Goad et al. (2007) and Evans et al. (2009), we find:

R.A. (J2000) = 17:45:35.64
 Dec. (J2000) = -29:01:35.9

with an uncertainty of 2.2" (90% confidence). These coordinates are 1.8" from the Chandra counterpart of AX J1745.6-2901 (CXOGC J174535.6-290133; ATel #[1513](#)), hence fully consistent. This confirms that the thermonuclear burster and eclipsing neutron star low-mass X-ray binary AX J1745.6-2901 has entered a new accretion outburst.

The Swift/XRT Monitoring Campaign Website can be found at: <http://www.swift-sgra.com>

References:

Evans et al. 2009, MNRAS 397, 1177
 Goad et al. 2007, A&A, 476, 1401

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