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

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Published in: The astronomer's telegram

Link to publication

Citation for published version (APA):
New Swift/XRT observations confirm that the active Galactic center transient is AX J1745.6-2901

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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:
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| 5037 | Swift-BAT monitoring for additional bursts from SGR J1745-29 (Trigger 554491) |
| 5053 | Detection by Sardinia Radio Telescope of radio pulses at 7 GHz from the Magnetar PSR J1745-2900 in the Galactic center region |
| 5046 | Spin-down Measurement of PSR J1745-2900: a New Magnetar |
| 5041 | MAXI/GSC detection of an X-ray outburst probably from SAX J1747.0-2853 and Swift followup observation of the Galactic center region |
| 5040 | Detection of radio pulsations from the direction of the NuSTAR 3.76-second X-ray pulsar at 8.35 GHz |
| 5035 | Detection of radio pulsations from the direction of the Galactic center Soft Gamma-ray Repeater with Parkes and the GBT |
| 5033 | Searches for Dispersed Radio Pulsar Emission from the Sag A* SGR |
| 5032 | Chandra localization of the soft gamma repeater in the Galactic Center region |
| 5027 | Searches for radio pulsations from the 3.76 second NuSTAR X-ray pulsar in the Galactic centre. |
| 5025 | Limits on Radio Frequency Flux Density Changes in Sgr A* |
| 5020 | NuSTAR discovery of a 3.76 second pulsar in the Sgr A* region |
| 5016 | Continued Swift Monitoring of the Galactic Center Flare |
| 5014 | Brightening of Sgr A* at 32 GHz from VLA observations |
| 5013 | Possible brightening at 22 GHz of Sgr A* |
| 5011 | Swift XRT spectrum of transient X-ray source at Sgr A*'s position |
| 5009 | Swift/BAT detection of an SGR-like flare from near Sgr A* |
| 5008 | Ongoing X-ray activity from Sgr A* |
| 5006 | Large Flare from Sgr A* Detected by Swift |
| 4939 | Swift detects a flare from IGR J16418-4532 |
| 4937 | INTEGRAL/JEM-X detects a new outburst of the Rapid Burster (MXB 1730-335) |

**INTEGRAL/JEM-X** detects a new outburst of the Rapid Burster (MXB 1730-335)
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1E 1740.7-2942 (the Great Annihilator) enters a low-intensity state

Swift J174510.8-262411 in the hard intermediate state

MAXI/GSC detects a new outburst from the black hole candidate H 1743-322

Swift observes an outburst from the supergiant fast X-ray transient XTE J1739-30

INTEGRAL detects the recurrent transients XTE J1709-267 and XTE J1739-285 in outburst

Swift observes a new outburst from the SFXT AX J1744-2619

Swift observations of a new outburst of the SFXT IGR J17544-2619

Swift observes a new outburst from the Supergiant Fast X-ray Transient AX J1841.0-0536

Swift observes a new outburst from the Supergiant Fast X-ray Transient AX J1845.0-0433

MAXI/GSC detects a quasi-regular outburst and a possible soft state transition in H 1743-322

INTEGRAL Galactic Bulge monitoring: transient activity from KS 1741-293, MXB 1730-335, and IGR J17498-2921

Swift detects an X-ray burst and renewed activity from KS 1741-293

Swift observations of a new outburst of the SFXT IGR J08408-4503

Swift detected outburst of the SFXT IGR J18410-0535/AX1841.0-0536

INTEGRAL non-detection of enhanced Crab flux

INTEGRAL confirms that XTE J1728-295 = IGR J17285-2922

MAXI/GSC detects a re-brightening from the black hole candidate H 1743-322

Swift/XRT detects new outbursts of the galactic center X-ray transients GRS 1741-2853 and XMM J174457-2850.3

MAXI/GSC detects an X-ray outburst of RX J1709.5-2639 (XTE J1709-267)

Swift/XRT detects renewed activity of the galactic center X-ray transient AX J1745.6-2901

Analysis of Swift data of the June 5 outburst of the SFXT IGR J18410-0535/AX1841.0-0536

A new outburst of the SFXT IGR J08408-4503 observed by Swift

INTEGRAL reports renewed activity from KS 1741-293

Renewed Activity from H 1743-322 detected by MAXI/GSC

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SAX J1747.0-2853
New INTEGRAL source, IGR J17354-3255, and continuation of the INTEGRAL Galactic Bulge monitoring program

INTEGRAL detects SWIFT J174535.5-290135.6

Swift/XRT detection of a transient source in the Galactic Center

Three active neutron star X-ray transients: SAX J1747.0-2853, XTE J1739-285 and GRS 1747-312

On the (hard) X-ray activity of SAX J1747.0-2853 as seen with INTEGRAL

Swift Observation of SAX J1747.0-2853
Further Chandra observations of SAX J1747.0-2853 and the region around Sgr A*

Renewed activity of the neutron star X-ray transient SAX J1747.0-2853
New Outburst of A1744-36 = XTE J1748-361
Discovery of the optical counterpart to XTEJ1748-361=A1744-36
A Second Recent Outburst of XTE J1748-361 (or A1744-36)

RXTE PCA Detections of Transient Activity of X-ray Bursters in the Galactic Center Region
Radio observations of XTE J1748-361 (=A1744-36?)

New X-ray Transient XTE J1748-361 (may be A1744-36)
Black-Hole Candidate 1E 1740.7-2942 Enters a Faint Soft State

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