



UvA-DARE (Digital Academic Repository)

INTEGRAL finds renewed X-ray activity of the Neutron star X-ray transient SAX J1750.8-2900

Sanchez-Fernandez, C.; Chenevez, J.; Kuulkers, E.; Bazzano, A.; Beckmann, V.; Bird, T.; Bodaghee, A.; Del Santo, M.; Domingo, A.; Jonker, P.; Kretschmar, P.; Markwardt, C.; Paizis, A.; Pottschmidt, K.; Wijnands, R.

Publication date

2015

Document Version

Final published version

Published in

The astronomer's telegram

[Link to publication](#)

Citation for published version (APA):

Sanchez-Fernandez, C., Chenevez, J., Kuulkers, E., Bazzano, A., Beckmann, V., Bird, T., Bodaghee, A., Del Santo, M., Domingo, A., Jonker, P., Kretschmar, P., Markwardt, C., Paizis, A., Pottschmidt, K., & Wijnands, R. (2015). INTEGRAL finds renewed X-ray activity of the Neutron star X-ray transient SAX J1750.8-2900. *The astronomer's telegram*, 8058. <http://www.astronomerstelegam.org/?read=8058>

General rights

It is not permitted to download or to forward/distribute the text or part of it without the consent of the author(s) and/or copyright holder(s), other than for strictly personal, individual use, unless the work is under an open content license (like Creative Commons).

Disclaimer/Complaints regulations

If you believe that digital publication of certain material infringes any of your rights or (privacy) interests, please let the Library know, stating your reasons. In case of a legitimate complaint, the Library will make the material inaccessible and/or remove it from the website. Please Ask the Library: <https://uba.uva.nl/en/contact>, or a letter to: Library of the University of Amsterdam, Secretariat, Singel 425, 1012 WP Amsterdam, The Netherlands. You will be contacted as soon as possible.

UvA-DARE is a service provided by the library of the University of Amsterdam (<https://dare.uva.nl>)

Outside
 GCN
 IAUCs

Other
 ATel on [Twitter](#) and [Facebook](#)
 ATELstream
 ATel Community Site
 MacOS: [Dashboard Widget](#)

Your Conference Here

This space for free for conference advertising.

[[Previous](#) | [Next](#) | [ADS](#)]

INTEGRAL finds renewed X-ray activity of the Neutron star X-ray transient SAX J1750.8-2900

ATel #8058; *Celia Sanchez-Fernandez (ESAC/ESA, Spain), Jerome Chenevez, Erik Kuulkers (ESAC/ESA, Spain), Angela Bazzano (INAF/IAPS, Italy), Volker Beckmann (APC, France), Tony Bird (Southampton, UK), Arash Bodaghee (GCSU, USA), Melania Del Santo (INAF/IASF-Pa, Italy), Albert Domingo (CAB/INTA-CSIC, Spain), Peter Jonker (SRON, The Netherlands), Peter Kretschmar (ESA/ESAC, Spain), Craig Markwardt (GSFC, USA), Ada Paizis (INAF/IASF-Mi, Italy), Katja Pottschmidt (UMBC/NASA GSFC, USA), Rudy Wijnands (UvA, The Netherlands)*

on 15 Sep 2015; 16:17 UT

Credential Certification: *Celia Sanchez-Fernandez (celia.sanchez@sciops.esa.int)*

Subjects: X-ray, Binary, Neutron Star, Transient

Referred to by ATel #: [8189](#)

[Tweet](#)

INTEGRAL Galactic bulge monitoring observations (ATel #438) on UT 13 September 2015 18:50-22:32 reveal renewed X-ray activity from the low-mass X-ray binary transient and Type I X-ray burster SAX J1750.8-2900 (IAU Circ. #6597). The last outburst from this source was reported in 2011 (ATels #3170, 3181).

The JEM-X 3-10 keV and 10-25 keV fluxes during our observations are 32+/-3 mCrab and 16+/-6 mCrab respectively. A Type I X-ray burst from SAX J1750.8-2900 was detected during these observations, on UT 13 September 2015 20:51, with a peak flux of 2.3+/-0.2 Crab (3-25 keV) and a duration of 17 seconds.

The source is not detected with IBIS/ISGRI on September 13 with 3-sigma upper limits of about 5 and 8 mCrab in the 18-40 keV and 40-100 keV bands, respectively (12.6 ksec exposure).

Similar observations about 5 days earlier (on UT 8 September 2015 13:52-17:34; 12.6 ksec exposure) did not reveal the source with 3-sigma upper limits of 7 (3-10 keV) and 15 mCrab (10-25 keV).

We encourage further observations of SAX J1750.8-2900 at X-rays and other wavelengths.

Related

- 8189 [Swift/XRT imaging finds no new transient near MAXI reported burst position](#)
- 8058 [INTEGRAL finds renewed X-ray activity of the Neutron star X-ray transient SAX J1750.8-2900](#)
- 7159 [INTEGRAL detection of 4U 1630-472 in outburst](#)
- 6991 [MAXI/GSC detection of a new outburst from 4U 1630-472](#)
- 5041 [MAXI/GSC detection of an X-ray outburst probably from SAX J1747.0-2853 and Swift followup observation of the Galactic center region](#)
- 4840 [Transient X-ray burster KS 1741-293 active again](#)
- 3930 [INTEGRAL Bulge monitoring program detects several active transients with JEM-X](#)
- 3183 [First superburst observed by INTEGRAL, from SAX J1747.0-2853](#)
- 3181 [Swift/XRT confirms the INTEGRAL detection of a faint outburst from SAX J1750.8-2900](#)
- 3172 [INTEGRAL sees continuing activity from SAX J1747.0-2853, but not from SAX J1750.8-2900](#)
- 3170 [INTEGRAL/IBIS observations of the Galactic center region at the epoch of the short Fermi/LAT flare](#)
- 3163 [Swift/XRT detects SAX J1747.0-2853 \(=MAXI J1745-288\) in outburst](#)
- 3162 [Fermi LAT detection of an outburst from the Galactic center region](#)
- 3123 [MAXI/GSC detects an X-ray outburst from the Galactic center region, GRO J1744-28/MAXI J1745-288](#)
- 342 [New X-ray transient IGR J17507-2856 discovered with INTEGRAL](#)
- 256 [INTEGRAL detection of the X-ray outburst of SAX J1747.0-2853](#)

[[Telegram Index](#)]

R. E. Rutledge, Editor-in-Chief

Derek Fox, Editor

Mansi M. Kasliwal, Co-Editor

rrutledge@astronomerstelegam.org

dfox@astronomerstelegam.org

mansi@astronomerstelegam.org

