



UvA-DARE (Digital Academic Repository)

INTEGRAL sees Swift J174510.8-2624, Swift J1753.7-2544, XTE J1810-189, XTE J1739-285 to be still on, while 1E 1740.7-2942 is off

Kuulkers, E.; Chenevez, J.; Alfonso-Garzon, J.; Beckmann, V.; Bird, T.; Brandt, S.; Courvoisier, T.; Del Santo, M.; Domingo, A.; Ebisawa, K.; Jonker, P.; Kretschmar, P.; Markwardt, C.; Oosterbroek, T.; Paizis, A.; Pottschmidt, K.; Sanchez-Fernandez, C.; Wijnands, R.

Publication date

2013

Document Version

Final published version

Published in

The astronomer's telegram

[Link to publication](#)

Citation for published version (APA):

Kuulkers, E., Chenevez, J., Alfonso-Garzon, J., Beckmann, V., Bird, T., Brandt, S., Courvoisier, T., Del Santo, M., Domingo, A., Ebisawa, K., Jonker, P., Kretschmar, P., Markwardt, C., Oosterbroek, T., Paizis, A., Pottschmidt, K., Sanchez-Fernandez, C., & Wijnands, R. (2013). INTEGRAL sees Swift J174510.8-2624, Swift J1753.7-2544, XTE J1810-189, XTE J1739-285 to be still on, while 1E 1740.7-2942 is off. *The astronomer's telegram*, 4804. <http://www.astronomerstelegram.org/?read=4804>

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@uva.nl, P.O. Box 512, 1017 CA Amsterdam, The Netherlands. You will be contacted as soon as possible.

Outside
 GCN
 IAUCs

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

This space for free for your conference.

IAU Symposium 305
 Polarimetry: From the Sun to Stars and Stellar Environments
 Costa Rica
 Nov 30-Dec 5 2014

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

INTEGRAL sees Swift J174510.8-2624, Swift J1753.7-2544, XTE J1810-189, XTE J1739-285 to be still on, while 1E 1740.7-2942 is off

ATel #4804; *E. Kuulkers (ESA/ESAC, Spain), J. Chenevez (DTU Space, Denmark), J. Alfonso-Garzon (CAB/INTA-CSIC, Spain), V. Beckmann (APC, France), T. Bird (Southampton, UK), S. Brandt (DTU Space, Denmark), T. Courvoisier (ISDC, Switzerland), M. Del Santo (INAF/IASF-Roma, Italy), A. Domingo (CAB/INTA-CSIC, Spain), K. Ebisawa (ISAS, Japan), P. Jonker (SRON, The Netherlands), P. Kretschmar (ESA/ESAC, Spain), C. Markwardt (GSFC, USA), T. Oosterbroek (ESA/ESTEC, The Netherlands), A. Paizis (INAF-IASF, Italy), K. Pottschmidt (UMBC/NASA GSFC, USA), C. Sanchez-Fernandez (ESA/ESAC, Spain) & R. Wijnands (UvA, The Netherlands)*

on 11 Feb 2013; 14:14 UT

Credential Certification: Erik Kuulkers (ekuulker@rssd.esa.int)

Subjects: X-ray, Binary, Black Hole, Neutron Star, Transient, Variables

Referred to by ATel #: [4899](#), [4904](#), [5084](#), [5332](#)



A new season of the INTEGRAL Bulge monitoring programme (see ATel #438) started this morning (UT 2013 Feb 11 00:57-04:39). The sources Swift J174510.8-2624 (ATels #4760, #4782), Swift J1753.7-2544 (ATels #4769, #4789), XTE J1810-189 (ATel #4752) and XTE J1739-285 (ATels #4304, #4354) are still active. Swift J174510.8-2624 and Swift J1753.7-2544 are transient black-hole candidate binaries. XTE J1810-189 and XTE J1739-285 are recurrent transient type-I X-ray bursters, and thus hosting neutron stars.

We find the following fluxes for these transient sources:

Swift J174510.8-2624: 29+/-3 mCrab (3-10 keV), 49+/-5 mCrab (10-25keV), 65+/-2 mCrab (18-40 keV), 100+/-2 mCrab (40-100 keV)

Swift J1753.7-2544 : 13+/-5 mCrab (3-10 keV), 32+/-7 mCrab (10-25 keV), 46+/-2 mCrab (18-40 keV), 60+/-2 mCrab (40-100 keV)

XTE J1810-189 : 64+/-3 mCrab (18-40 keV), 37+/-4 mCrab (40-100 keV)

XTE J1739-285 : 88+/-2 mCrab (3-10 keV), 35+/-4 mCrab (10-15 keV), <~10 mCrab (18-40 keV; 6 sigma), <~15 mCrab (40-100 keV; 6 sigma)

Note that XTE J1810-189 was not in the field of view of the JEM-X during the observations.

These observations show Swift J174510.8-2624 (ATels #4760, #4782) and Swift J1753.7-2544 to be (still) in a hard state. No Type I X-ray bursts from XTE J1810-189 and XTE J1739-285 were seen during our INTEGRAL observations.

During our last monitoring season, 1E 1740.7-2942 (the Great Annihilator) was seen to turn off (ATel #4471). Our observation on 2013 Feb 11 shows that it is still below our monitoring detection limits: flux limits are <~7 mCrab (3-10 keV; 3 sigma), <~9 mCrab (10-25 keV; 3 sigma), <~10 mCrab (18-40 keV; 6 sigma), <~15 mCrab (40-100 keV; 6 sigma). We encourage

Related

- 5847 [Swift/XRT observations of the Galactic center have resumed](#)
- 5332 [Report on \(non-\)activity in the Galactic bulge region as seen by INTEGRAL](#)
- 5319 [MAXI/GSC detection of a new X-ray outburst from RX J1709.5-2639\(=XTE J1709-267\)](#)
- 5301 [A new outburst from LMXB 1A 1744-361](#)
- 5254 [Swift detection of a third burst from SGR J1745-29](#)
- 5246 [Swift/XRT detects activity of the Galactic center transient GRS 1741-2853](#)
- 5241 [MAXI/GSC detection of a renewed outburst from the black hole candidate H 1743-322](#)
- 5226 [New Swift/XRT observations confirm that the active Galactic center transient is AX J1745.6-2901](#)
- 5222 [Swift/XRT monitoring observations detect an active X-ray transient near the Galactic center](#)
- 5190 [Swift observations of a new outburst of the SFXT IGR J08408-4503](#)
- 5179 [Swift observations of a new outburst of the SFXT IGR J17544-2619](#)
- 5159 [Limits on Low Frequency Radio Flux Density Changes for Sgr A*](#)
- 5124 [Swift/BAT detection of a burst from SGR J1745-29](#)
- 5095 [Chandra confirmation of transient X-ray activity from CXOGC J174540.0-290005 north of the Galactic Center](#)
- 5084 [Optical and X-ray re-brightening in Swift J1745-26](#)
- 5074 [Swift/XRT detection of an active X-ray transient near the Galactic center](#)
- 5070 [Search for pulsed radio emission from PSR J1745-2900 at 1 GHz with the GMRT](#)
- 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](#)

observations at all wavelengths to further investigate the nature of the low states of this source.

INTEGRAL Galactic bulge monitoring program

	Galactic center region
5037	Swift-BAT monitoring for additional bursts from SGR J1745-29 (Trigger 554491)
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
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
4921	OGLE-IV Light Curve of the Swift J1745-26 Transient
4904	Swift J1753.6-2545: GROND discovery of a candidate counterpart
4899	Chandra Localization of Swift J1753.7-2544
4848	INTEGRAL/JEM-X detects a new outburst of the Rapid Burster (MXB 1730-335)
4840	Transient X-ray burster KS 1741-293 active again
4818	Swift J1753.7-2544: Continued Swift observations
4802	VVV near-infrared observations of the Swift J1753.7-2544 field
4789	Swift J1753.7-2544: Swift localization of a bright X-ray counterpart
4782	Sw J1745-26 still detected by Swift XRT in a lower, harder state.
4769	Swift reports the discovery of the galactic transient Swift J1753.7-2544
4760	Swift J1745.1-2624 is still active in radio
4752	MAXI/GSC detection of brightening of a transient LMXB XTE J1810-189
4471	1E 1740.7-2942 (the Great Annihilator) enters a low-intensity state
4456	Optical evolution of Swift J174510.8-262411 suggests the compact jet is fading, radio flare imminent?

- 4450 **Swift J174510.8-262411 in the hard intermediate state**
- 4436 **Sw J1725-26 still brightening in Swift XRT observations**
- 4419 **MAXI/GSC detects a new outburst from the black hole candidate H 1743-322**
- 4417 **The Quiescent Optical Counterpart to Swift J174510.8-262411**
- 4410 **Follow-up ATCA radio observations of the black hole candidate Swift J174510.8-262411**
- 4401 **X-ray brightening and softening of SWIFT J174510.8-262411**
- 4394 **Radio detection of Sw J1745-26 with the VLA**
- 4393 **Swift J174510.8-262411 exhibits X-ray properties of a black hole transient in the hard state**
- 4388 **Swift J1745-26: Spectroscopy and imaging from GTC**
- 4385 **Erratum to ATel #4383: Swift J174510.8-262411 (to be known as Sw J1745-26): 0.5 Crab and rising**
- 4383 **Swift J174510.8-262411 (to be known as Sw J1745-26): 0.5 Crab and rising**
- 4381 **INTEGRAL observation of the Galactic transient Swift J174510.8-262411**
- 4380 **Swift J174510.8-262411: GROND discovery of a candidate near-IR counterpart**
- 4366 **Swift observes an outburst from the supergiant fast X-ray transient XTE J1739-30**
- 4354 **A new outburst of XTE J1739-285**
- 4304 **INTEGRAL detects the recurrent transients XTE J1709-267 and XTE J1739-285 in outburst**
- 4276 **Swift observes a new outburst from the SFXT AX J1841.0-0536**
- 4275 **Swift observations of a new outburst of the SFXT IGR J17544-2619**
- 4176 **Swift observes a new outburst from the Supergiant Fast X-ray Transient AX J1841.0-0536**
- 4111 **Detection of a new Galactic Center X-ray source: Swift J174444.9-295042**
- 4095 **Swift observes a new outburst from the Supergiant Fast X-ray Transient AX J1845.0-0433**
- 3842 **MAXI/GSC detects a quasi-regular outburst and a possible soft state transition in H 1743-322**
- 3646 **INTEGRAL Galactic Bulge monitoring: transient activity from KS 1741-293, MXB 1730-335, and IGR J17498-2921**
- 3632 **Swift detects an X-ray burst and renewed activity from KS 1741-293**
- 3586 **Swift observations of a new outburst of the SFXT IGR J08408-4503**

- 3453** Swift detected outburst of the SFXT IGR J18410-0535/AX1841.0-0536
- 2856** INTEGRAL non-detection of enhanced Crab flux
- 2825** INTEGRAL confirms that XTE J1728-295 = IGR J17285-2922
- 2774** MAXI/GSC detects a re-brightening from the black hole candidate H 1743-322
- 2770** Swift/XRT detects new outbursts of the galactic center X-ray transients GRS 1741-2853 and XMM J174457-2850.3
- 2729** MAXI/GSC detects an X-ray outburst of RX J1709.5-2639 (XTE J1709-267)
- 2690** Swift/XRT detects renewed activity of the galactic center X-ray transient AX J1745.6-2901
- 2662** Analysis of Swift data of the June 5 outburst of the SFXT IGR J18410-0535/AX1841.0-0536
- 2520** A new outburst of the SFXT IGR J08408-4503 observed by Swift
- 2465** INTEGRAL reports renewed activity from KS 1741-293
- 2364** Renewed Activity from H 1743-322 detected by MAXI/GSC
- 2305** New X-ray Outburst in X1744-361 (A1744-36)
- 2178** Swift observations of a new outburst of the SFXT IGR J08408-4503
- 2102** Swift observations of an outburst of the SFXT AX J1845.0-0433/IGR J18450-0435
- 1944** INTEGRAL detects an X-ray burst from SAX J1747.0-2853 with no detectable persistent emission
- 1662** SAX J1750.8-2900 is returning to quiescence
- 1643** AX J1754.2-2754: back in outburst
- 1633** Confirmation of the NIR counterparts to SLX 1746-331 and XTE J1810-189
- 1587** New X-ray Outburst in X1744-361
- 1575** The faint neutron star and probable ultra-compact transient AX J1754.2-2754: quiescent after a (long) outburst
- 1557** Hard X-ray activity from Aquila X-1
- 1531** Chandra detects activity from the Galactic X-ray transients KS 1741-293, Swift J174535.5-290135.6 and CXOGC J174535.5-290124
- 1513** Chandra detects Swift J174535.5-290135.6 in a relatively bright state
- 1508** On the infrared counterpart to XTE J1810-189
- 1490** Chandra Positions for the Neutron Star X-ray Transients XTE J1810-189 and SAX J1750.8-2900
- 1472** A candidate near-infrared counterpart to SAX J1750.8-

	2900
1446	NIR counterparts in the Swift error circles of the active transients SAX J1750.8-2900 and XTE J1810-189
1443	XTE J1810-189 is a Neutron Star
1441	Further Swift observations of XTE J1810-189
1432	Swift/XRT reports an improved position for XTE J1810-189
1431	Swift localisation of SAX J1750.8-2900
1430	XTE J1810-189 measurements by INTEGRAL and Swift
1425	RXTE PCA detects a new outburst of SAX J1750.8-2900
1424	RXTE PCA detects a new transient, XTE J1810-189
1302	X-ray outburst from RX J1709-2639
1252	Near-infrared counterpart candidate to SLX 1746-331
1237	Swift/XRT localization of SLX 1746-331
1235	SLX 1746-331 In Outburst
1228	A new outburst of the recurrent neutron star transient SAX J1747.0-2853
1113	4U 1608-522 in X-ray outburst
1105	Swift/BAT discovers a new galactic transient: SWIFT J1756.9-2508
1094	First detection of a type I X-ray burst from AX J1754.2-2754
1064	SAX J2103.5+4545 Continues to be observable with Swift/BAT
1061	Cygnus X-3 re-entering its high-soft state
1058	Long duration outbursts from the two X-ray bursters AX J1745.6-2901 and GRS 1741.9-2853 suggested by XMM-Newton observations
1028	Cygnus X-3 re-enters the low-hard state
1006	Renewed activity of the Galactic center transients Swift J174535.5-290135.6 and GRS 1741.9-2853 as observed with Swift/XRT
1005	Two active X-ray transients in the Galactic Center region as seen by INTEGRAL
904	Announcement of the Swift/BAT Hard X-ray Transient Monitor
892	Renewed activity of the very faint X-ray transient CXOGC J174535.5-290124 and continued activity of the neutron-star X-ray transient SAX J1747.0-2853
756	INTEGRAL detects SWIFT J174535.5-290135.6
753	Swift/XRT detection of a transient source in the Galactic Center
742	INTEGRAL pointed observation of XTEJ1817-330
731	INTEGRAL detects hard X-ray emission from XTE J1817-330
714	Bright New Black Hole

	Transient XTE J1817-330
642	On the (hard) X-ray activity of SAX J1747.0-2853 as seen with INTEGRAL
622	Type-I X-ray bursts from XTE J1739-285
615	INTEGRAL sees XTE J1739-285 change to hard state
567	New Outburst of A1744-36 = XTE J1748-361
267	Discovery of the optical counterpart to XTEJ1748-361=A1744-36
265	A Second Recent Outburst of XTE J1748-361 (or A1744-36)
258	RXTE Detection of 1E 1740.7-2942
257	1E1740.7-2942 and KS1741-293
255	RXTE PCA Detections of Transient Activity of X-ray Bursters in the Galactic Center Region
210	Radio observations of XTE J1748-361 (=A1744-36?)
204	New X-ray Transient XTE J1748-361 (may be A1744-36)
143	SLX 1746-331
94	Black-Hole Candidate 1E 1740.7-2942 Enters a Faint Soft State
66	Black-Hole Candidate GRS 1758-258 Enters an "Off" State

[**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`