INTEGRAL/IBIS detects renewed activity from H 1417-624

During a recent INTEGRAL Galactic Plane Scanning observation (PI: A. Bazzano), started on 2014 January 19 at 07:51 UTC, IBIS/ISGRI detected renewed activity from the transient system H 1417-624. The source H 1417-624 was detected at about 10 sigma in the IBIS map 18-40 keV, with a flux of 14.5 +/- 1.5 mCrab (uncertainties at 90% c.l.) and a net exposure time of 25ks. The 40-100 keV IBIS/ISGRI 3-sigma upper limit is about 8 mCrab. During the previous INTEGRAL revolution 1375, started on 2014 January 16 at 07:55, the 3-sigma upper limit was 5 mCrab (18-40 keV), although the exposure time was 22ks. H 1417-624 is a Be X-ray Transient (Apparao et al. 1980, A&A 89, 249; Grindlay et al. 1984, ApJ 276, 621) showing a neutron star spin period of 17.54 s and an orbital period of 42.12 days (Finger et al. 1996, A&A Supp. Ser. 120, 209). It was previously detected in 1994 and 1995 (during a strong type II outburst lasting over 110 days; Finger et al. 1996), in 1999 by BATSE (Finger 1999, IAUC# 7313 and ATels #52 and #53, for the correct spin period), in 2008 July by INTEGRAL IBIS/ISGRI (ATel #1613) and in 2009 October by Fermi/GBM (ATel #2275) and by Swift/BAT (ATel #2276). Further INTEGRAL Galactic Plane Scanning observation are planned in the coming days. Results from the Galactic Plane Scanning are made publicly available at: http://gpsiasf.iasf-roma.inaf.it

General information
Publication status: Published
Organisations: National Space Institute, Astrophysics, University of Southampton, National Institute for Astrophysics, European Space Astronomy Centre and European Space Agency
Number of pages: 1
Publication date: 2014
Peer-reviewed: No

Publication information
Journal: The Astronomer’s Telegram : ATel
Issue number: ATel #5782
Original language: English
Keywords: X-ray, Binary, Transient
URLs:
http://www.astronomerstelegram.org/?read=5782
Research output: Contribution to journal › Conference abstract in journal – Annual report year: 2014 › Research