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INTEGRAL detects renewed activity from IGR J11435-6109

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Published in:
The Astronomer's Telegram

Publication date:
2015

Document Version
Publisher's PDF, also known as Version of record

[Link back to DTU Orbit](#)

Citation (APA):
Fiocchi, M., Chenevez, J., Sguera, V., Sidoli, L., Bird, A. J., Bazzano, A., ... Ubertini, P. (2015). INTEGRAL detects renewed activity from IGR J11435-6109. The Astronomer's Telegram, (ATel #8414), [ATel #8414].

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Subjects: X-ray, Gamma Ray, Binary, Transient, Variables

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During a recent INTEGRAL public observation of Musca region, performed between 2015-12-11 17:54 and 2015-12-12 12:54 (UTC), renewed activity from the transient X-ray pulsar IGR J11435-6109 has been detected. The 22-60 keV IBIS/ISGRI flux corresponds to (10 ± 1) mCrab with an effective exposure time of 18 ks. The source was within the field of view of JEM-X instruments for a net exposure time of 36 ks. In the combined JEM-X1 and JEM-X2 mosaic, it was detected at a flux level of 3.8 ± 0.4 mCrab and 3.7 ± 1.1 mCrab in the 3-10 keV and 10-25 keV energy ranges, respectively. We note the time of this detection is consistent with the epoch of expected maximum flux, assuming the ephemeris information reported in (ATel #377).

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