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## Long duration X-ray burst from GX 3+1

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*Published in:*

The Astronomer's Telegram : ATel

*Publication date:*

2004

*Document Version*

Publisher's PDF, also known as Version of record

[Link back to DTU Orbit](#)

*Citation (APA):*

Brandt, S., Lund, N., Chenevez, J., Budtz-Jørgensen, C., Goldoni, P., Belanger, G., ... Kuulkers, E. (2004). Long duration X-ray burst from GX 3+1. The Astronomer's Telegram : ATel, ATel #327.

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### Long duration X-ray burst from GX 3+1

ATel #327; [S. Brandt, N. Lund, J. Chenevez, C. Budtz-Jorgensen \(DSRI, Copenhagen\), P. Goldoni, G. Belanger, A. Goldwurm \(CEA, Saclay\), E. Kuulkers \(ESA, ESTEC\)](#)  
on 2 Sep 2004; 09:11 UT

*Distributed as an Instant Email Notice Request For Observations  
Credential Certification: Niels Lund (nl@dsri.dk)*

Subjects: X-ray, Request for Observations, Neutron Star

During an observation of the Galactic Center the JEM-X instrument on INTEGRAL detected an unusually long X-ray burst from GX 3+1. The burst began on August 31 at 18:57 UTC

After an precursor spike lasting 7 s where the burst reached a flux of about 2000 mCrab in the 4 to 20 keV band the flux fell to around 500 mCrab and then decayed with an e-folding time of about 700 s. This burst appear as intermediate between the normal type-I X-ray bursts (e-folding times up to a few tens of seconds) and the very long "superbursts" (e-folding times of several hours).

Prior to the outburst the source flux was about 150 mCrab.

Follow-up observations are encouraged.

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