



UvA-DARE (Digital Academic Repository)

MAXI J1659-152 has likely returned back into quiescence

Yang, Y.J.; Wijnands, R.

Publication date

2011

Document Version

Final published version

Published in

The astronomer's telegram

License

CC BY

[Link to publication](#)

Citation for published version (APA):

Yang, Y. J., & Wijnands, R. (2011). MAXI J1659-152 has likely returned back into quiescence. *The astronomer's telegram*. <https://www.astronomerstelegam.org/?read=3506>

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.

Outside

GCN
IAUCs
ATel on Twitter

Patreon

The Astronomer's Telegram

Post | Search | Policies
Credential | Feeds | Email

15 Aug 2022; 10:48 UT

This space for free for your conference.



Thanks to Patrons, The Astronomer's Telegram is free to read, free to publish and always will be. Thank you.

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

MAXI J1659-152 has likely returned back into quiescence

ATel #3506; *Y. J. Yang, R. Wijnands (University of Amsterdam)*
on 22 Jul 2011; 23:06 UT

Credential Certification: Rudy Wijnands (rudy@space.mit.edu)

Subjects: Optical, Ultra-Violet, X-ray, Binary, Black Hole, Transient

Referred to by ATel #: [3517](#), [3524](#)

Tweet

We report our most recent Swift observations of the black hole candidate MAXI J1659-152. After the observed re-brightening in May (ATels #[3298](#), #[3339](#), #[3379](#)), the source steadily decreased in luminosity.

Our recent three observations taken on 07-15 (~1.3 ks), 07-17 (~0.9 ks), and 07-19 (~1.2 ks) show that the source intensity has dropped significantly, indicating that the source might be quiescent again. However we can not exclude the possibility that the source might re-flare again like what it did earlier. We added three observations together and obtained ~6 source counts (0.3-10 keV, background subtracted). Using small number statistics described in Gehrels 1986 (ApJ, 303:336-346), we obtained a flux upper limit (0.5-10 keV) of $3.0e-13$ ergs cm⁻² s⁻¹ (assuming a NH of $3e21$ cm⁻² and a power law model with photon index 2). The luminosity upper limit is $1.8e33$ ergs/s (assuming a distance of 7 kpc, Kuulkers et al. 2011) or $0.9-6.3e32$ ergs/s (assuming $d=1.6-4.2$ kpc, ATel #[3358](#)).

The source was not detected in all UV/optical bands during all three observations. The obtained upper limits from the last observation are: $b > 19.34$; $m_2 > 19.41$; $u > 18.99$; $v > 18.32$; $w_1 > 19.20$ and $w_2 > 19.81$.

We thank the Swift team for their prompt scheduling of these observations.

Related

- [3524](#) Lulin Optical Observations of MAXI J1659-152
- [3517](#) MAXI J1659-152 fading in optical
- [3506](#) MAXI J1659-152 has likely returned back into quiescence
- [3379](#) Further re-brightening of the black hole candidate MAXI J1659-152
- [3358](#) X-ray and radio observations of the re-brightening event in MAXI J1659-152
- [3339](#) Re-brightening of the black hole candidate MAXI J1659-152
- [3298](#) Continued Swift monitoring of the black hole candidate MAXI J1659-152
- [3250](#) Swift J164449.3+573451/GRB 110328A: Continued Swift Monitoring
- [3249](#) Swift XRT/UVOT monitoring of MAXI J1659-152 during its low luminosity phase
- [3201](#) Swift XRT/UVOT follow-up of the Black Hole Candidate MAXI J1659-152 during a low luminosity state
- [2999](#) Soft-to-Hard transition in MAXI J1659-152
- [2976](#) Optical emission of the black hole X-ray transient MAXI J1659-152 during quiescence
- [2951](#) RXTE shows a transition to the high-soft state in MAXI J1659-152
- [2927](#) Transition to the soft-intermediate state of MAXI J1659-152
- [2926](#) RXTE dips yield better orbital period determination for MAXI J1659-152
- [2918](#) Sudden radio flux decline in MAXI J1659-152
- [2912](#) MAXI J1659-152: the shortest period black-hole binary?
- [2906](#) EVN e-VLBI detections of MAXI J1659-152
- [2900](#) REM optical/NIR observations of MAXI J1659-152
- [2890](#) INTEGRAL shows MAXI J1659-152 further declines in hard X-rays
- [2888](#) INTEGRAL TOO observations of MAXI J1659-152
- [2887](#) XMM-Newton observations of MAXI J1659-152
- [2884](#) Optical variability in MAXI J1659-152
- [2881](#) MAXI J1659-152 is a BH candidate
- [2880](#) AGILE upper limits above 100 MeV regarding the recent transient MAXI J1659-152
- [2877](#) MAXI J1659-152: Swift localization and monitoring

- 2875 INTEGRAL detection of the new MAXI transient MAXI J1659-152
- 2874 WSRT Radio and Polarization Detection of GRB 100925A / MAXI J1659-152
- 2873 MAXI/GSC detection of a new hard X-ray transient source MAXI J1659-152
- 2734 Radio and X-ray monitoring of Cygnus X-1 during the recent state change

[**Telegram Index**]

R. E. Rutledge, Editor-in-Chief

`rrutledge@astronomerstelegam.org`

Derek Fox, Editor

`dfox@astronomerstelegam.org`