The Astronomer's Telegram
Post a New Telegram | Search | Information
Telegram Index
Obtain Credential To Post | RSS Feeds | Email Settings

Present Time: 4 Mar 2013; 10:49 UT

[Previous | Next | ADS]

EVN detection of the newly-discovered black hole candidate MAXI J1836-194

ATel #3790; *Yonghua Xu (Yunnan Astronomical Observatory, P. R. China), Jun Yang and Zsolt Paragi (Joint Institute for VLBI in Europe, Netherlands)*
*on **30 Nov 2011; 09:22 UT***
Credential Certification: Jun Yang (yang@jive.nl)

Subjects: Radio, Infra-Red, X-ray, Binary, Black Hole, Transient

The X-ray transient MAXI J1836-194 is most likely a Galactic stellar-mass black hole (ATel #3611, #3613, #3628, #3652) . It has been shown to harden in the X-rays and brighten in the infrared (ATel #3689). Here, we report on the detection of MAXI J1836-194 at 5 GHz with the European VLBI Network, in real-time e-VLBI observations on 2011 October 17. The transient source was detected with a flux density of 5.4 +- 0.3 mJy at RA 18h35m43.44555s, Dec. -19d19'10.4921" (J2000, 1 sigma formal uncertainty ~0.5 mas, note that the systematic error may be much larger due to the low elevation.).

We thank the EVN PC chairman Tom Muxlow for approving the short e-EVN observations. e-VLBI research infrastructure in Europe is supported by the European Union's Seventh Framework Programme (FP7/2007-2013) under grant agreement RI-261525 NEXPReS.

Related
4255 MAXI J1836-194 has returned to quiescence
4038 ATCA radio observation of MAXI J1836-194
3975 Swift XRT and UVOT observations of renewed activity from MAXI J1836-194
3966 Swift/BAT reports an increase in flux from MAXI J1836-194
3790 EVN detection of the newly-discovered black hole candidate MAXI J1836-194
3689 Bright mid-infrared detections of MAXI J1836-194 with VISIR on the VLT: brightening of the compact jet
3673 MAXIJ1836-194: 1.23m CAHA I-band observations
3656 First radio light curve of MAXIJ1836-194 at 4.8 GHz with RATAN-600
3652 INTEGRAL Observations of MAXI J1836-194
3640 ESO VLT observations of MAXI J1836-194
3628 EVLA radio detections of MAXI J1836-194 suggest it is a black hole X-ray binary
3626 MAXI/GSC detects a spectral softening of MAXI J1836-194
3619 GROND observations of MAXI J1836-194
3618 RXTE Observations of MAXI J1836-194
3614 Spectroscopy of the MAXI J1836-194 Optical Counterpart: Likely Be X-ray Binary
3613 MAXI J1836-194: Swift localization and optical counterpart
3611 MAXI/GSC and Swift/BAT detect a new hard X-ray transient MAXI J1836-194

[Telegram Index]