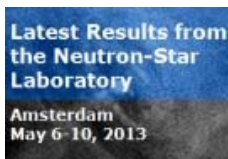


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EVN detection of the newly-discovered black hole candidate MAXI J1836-194

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*
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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.

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