

Targeting transient phenomena with e-VLBI

Zsolt Paragi*

JIVE, MTA Research Group for Physical Geodesy and Geodynamics E-mail: paragi@jive.nl

Huib Jan van Langevelde

JIVE, Sterrewacht Leiden, Leiden University E-mail: langevelde@jive.nl

Arpad Szomoru

JIVE

E-mail: szomoru@jive.nl

e-VLBI is a technique under development that allows real-time correlation of VLBI data. At the EVN there have been routine e-VLBI tests and science observations in the last 18 months. We will briefly introduce the status of the e-EVN, and show early e-VLBI results. Potential use of e-VLBI for various classes of transient or rapid variable sources will be described.

Bursts, Pulses and Flickering: Wide-field monitoring of the dynamic radio sky June 12-15 2007 Kerastari, Tripolis, Greece

^{*}Speaker.

[†]e-VLBI developments in Europe are supported by the EC DG-INFSO funded Communication Network Developments project 'EXPReS', Contract No. 02662 (http://www.expres-eu.org/). The European VLBI Network (http://www.evlbi.org/) is a joint facility of European, Chinese, South African and other radio astronomy institutes funded by their national research councils.