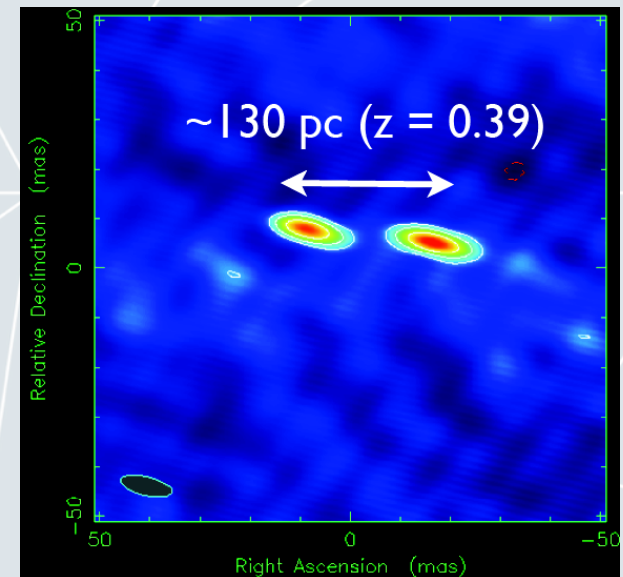


User Support @ JIVE

Zsolt Paragi
JIVE

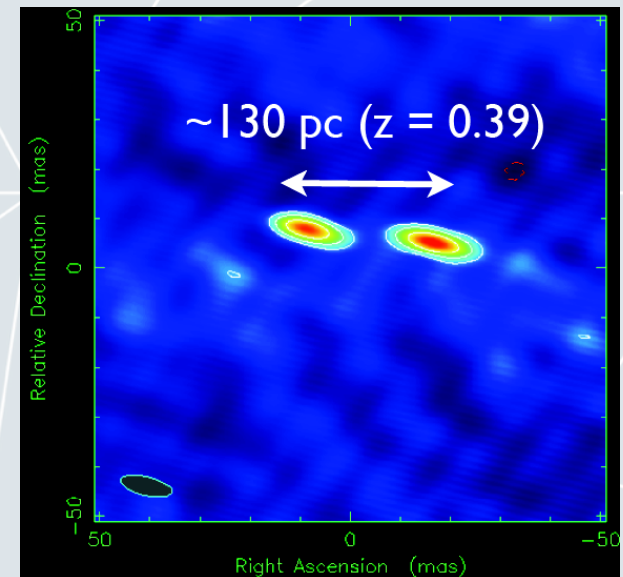
Science Operations and Support

- **Production Correlation**
 - FITS file preparation
 - Standard plots / PI letter
 - ANTAB & FLAG tables
 - Data pipeline (ParselTongue)
- **Network Support**
 - Ftp fringe tests
 - Network Monitoring Experiments
 - Testing new observing modes and equipment
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 - Help with observing proposals
 - Help with scheduling
 - Help with data analysis etc.etc.
- **All this resulting in some science**



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Data and pipeline products

EVN Data Archive at JIVE

Availability of standard plots, pipeline and fitsfiles.

Select Sort order: Experiment Observation period: 2016 - 2017

Experiment	Std	Pipe	Fits	P. Investigator	Stations	Obs. Date	Distr. Date	Publ. Date	Support Scientist
EA057B	x		x	Anderson	JbWbEfO8McTrSvZcSr	160305	160905	170905	Campbell
EA058A	x	x	x	Argo	JbWbMcO8UrTrSvZcBdCmDaKnTaEfRo	161028	170407	180407	Burns
EB059	x	x	x	Blanchard	JbWbEfMcNtO8TrYsT6HhAr	160921	161208	171208	Blanchard
EB060A				Bach	JbEfMcNtO6TrYsSvZcBdHhMhKtKyKu	170309			
EB061	x	x	x	Burns	JbWbMcNtO8TrArT6Hh	170510	170515	180515	Burns
EC052F	x	x	x	Cseh	EfHhJbMcO8TrWbT6	160112	160113	170113	Paragi
EC054C	x	x	x	Cao	EfHhJbMcO8TrWbT6	160113	160114	170211	Paragi/Marcote
EC054D	x	x	x	Cao	EfJbMcNtO8TrYsWbHhT6Ox	160203	160211	170211	Marcote
EC057A	x	x	x	Cutini	EfJbMcNtO6TrYsUrSvZcBdSrMhKtKyKu	160614	161202	171202	Blanchard
EC057B				Cutini	EfJbMcNtO6UrTrYsSvZcBdMhKtKyKuRo	170308			
ED040A	x	x	x	Deane	JbEfO8HhNtMcT6TrYsWbUrSvZcBdlr	161026	170331	180331	Marcote
ED040B				Deane	JbEfO8HhMcT6TrWbUrSvZcBdlr	161101			Marcote
EG078D	x	x	x	Garrett	T6WbO8McNtTrSvBdZcUrEfJbRo	160306	161026	171028	Campbell
EG078E	x	x	x	Garrett	T6WbO8McNtTrSvBdZcUrEfJb	160308	161028	171028	Campbell
EG082G	x	x	x	Gawronski	EfJbMcNtO8TrYsWbHhT6Ox	160202	160210	170704	Marcote
EG082H	x	x	x	Gawronski	EfJbMcNtO8TrYsWbHhT6	160316	160323	170704	Marcote
EG082I	x	x	x	Gawronski	EfJbMcNtO8TrYsWbHhSh	160510	160512	170704	Paragi/Marcote
EG082J	x	x	x	Gawronski	EfJbMcNtO8TrYsShWbHhSvZcBd	160621	160704	170704	Marcote
EG088	x	x	x	Giroletti	MpHoAtKyKuKtUrBdZcSvJbMcNtSrO6TrMhEfYsHh	160614	170322	180322	Blanchard
EG089C				Gurvits	JbEfMcNtO8T6UrTrYsSvZcBdlrPu	160224			
EG089D				Gurvits	JbEfMcO8UrTrSvZcBdlrGtShT6RoPu	160304			
EG091A	x	x	x	Ghirlanda	EfJbMcNtO8TrYsWbHhT6	160315	160321	180221	Marcote
EG091B	x	x	x	Ghirlanda	EfJbMcNtO8TrYsWbHhT6	170214	170221	180221	Marcote
EG092A	x	x	x	Guirado	JbWbEfMcNtO8T6UrTrZcHhSrRo	160304	160802	180315	Marcote
EG092B	x	x	x	Guirado	JbWbEfMcO8T6UrTrZcHhSrRo	160527	161213	180315	Marcote
EG092C	x	x	x	Guirado	JbWbEfMcO8T6UrTrZcHhRoI	161102	170315	180315	Marcote
EG094A				Gurvits	AtPaMpHoCdTiKsWwT6UrShBdSvZcJbEfWbMcO8TrHhIra	160920			

<http://archive.jive.nl/scripts/listarch.php>
<http://www.jive.eu/select-experiment>

EVN Data Reduction Guide

EVN Data Reduction "Quick Start" Guide

Congratulations on getting EVN data! What now?

JIVE correlates all EVN observations and performs a preliminary reduction using the EVN pipeline. At this point you would have received an email from your friendly support scientist with details on how to access your data. You should also have had a look at the results from the pipeline analysis. In general the pipeline results are to be used as a guide and should not be considered the final science product. We generally recommend using the amplitude calibration table from the pipeline, and fringe-fitting, bandpass calibrating, and imaging by hand.

We recommend using AIPS to reduce EVN data as, to-date, other packages do not have the ability to fringe fit data, which is integral for non-connected element arrays. This guide is written for the simple case of a phase-referenced continuum experiment.

1. Obtain data

Download the fits files from the EVN data archive (under the 'Fitsfiles' tab), as well as the *EXP.tasav.FITS* file (Click the 'Pipeline' tab and then right click "AIPS calibration tables"). This file contains the extension tables that have been applied to your data, a summary of which may be found in *EXP.tasav.txt*.

Set up the environment variable `MYDIR` to avoid having to type long paths. In the directory where your data are type

```
(for tcsh)  
setenv MYDIR `pwd`
```

```
(for bash)  
export MYDIR=`pwd`
```

2. Start AIPS

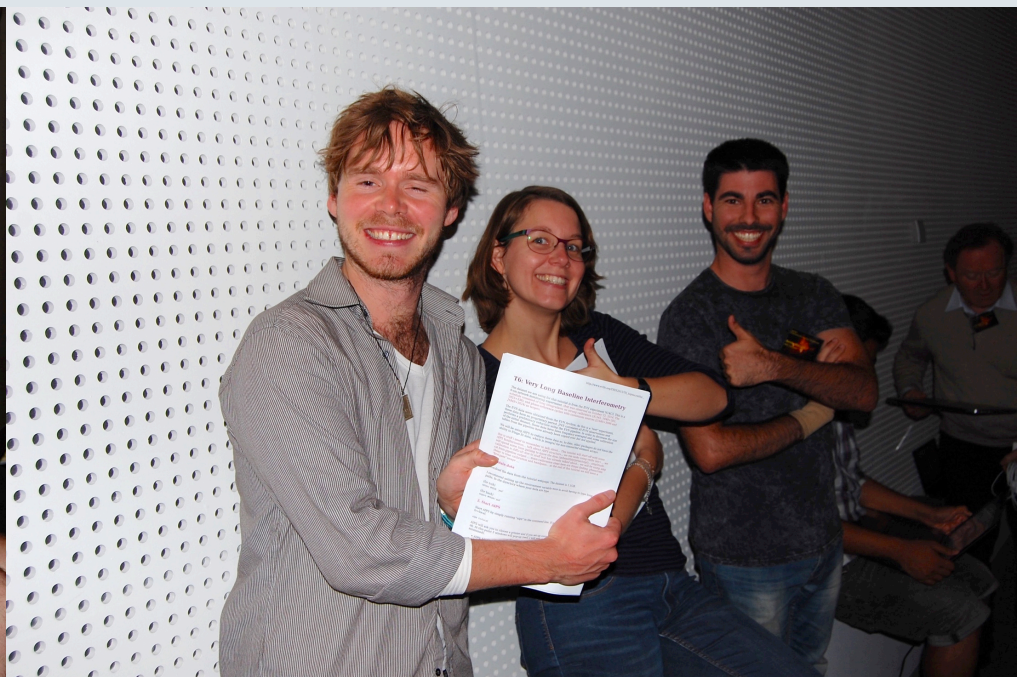
http://www.evlbi.org/user_guide/evn_datareduc.html

EVN Calculator

EVN	e-EVN	VLBA	GLOBAL	GMVA	RESET	GO
Observing band & data rate [Mbit/s]				On-source integration time [min]		
L - 18cm <input type="text"/> 1024 <input type="text"/>				150		
<input type="checkbox"/> Ef <input type="checkbox"/> Nt <input type="checkbox"/> My <input type="checkbox"/> Pv <input type="checkbox"/> Pa <input type="checkbox"/> Hn <input type="checkbox"/> Mc <input type="checkbox"/> Sh <input type="checkbox"/> Km <input type="checkbox"/> Ro70 <input type="checkbox"/> Ho <input type="checkbox"/> NI <input type="checkbox"/> On <input type="checkbox"/> Tm65 <input type="checkbox"/> Sv <input type="checkbox"/> Ro34 <input type="checkbox"/> Cd <input type="checkbox"/> Fd <input type="checkbox"/> Tr <input type="checkbox"/> Ur <input type="checkbox"/> Zc <input type="checkbox"/> Pb <input type="checkbox"/> Ap <input type="checkbox"/> La <input type="checkbox"/> Jb1 <input type="checkbox"/> Mh <input type="checkbox"/> Bd <input type="checkbox"/> Ku <input type="checkbox"/> Go <input type="checkbox"/> Kp <input type="checkbox"/> Jb2 <input type="checkbox"/> Ys <input type="checkbox"/> Wz <input type="checkbox"/> Ky <input type="checkbox"/> Gb <input type="checkbox"/> Pt <input type="checkbox"/> Cm <input type="checkbox"/> Sr <input type="checkbox"/> Ka <input type="checkbox"/> Kt <input type="checkbox"/> Y1 <input type="checkbox"/> Ov <input type="checkbox"/> Wb <input type="checkbox"/> Ar <input type="checkbox"/> Ir <input type="checkbox"/> At <input type="checkbox"/> Y27 <input type="checkbox"/> Br <input type="checkbox"/> W1 <input type="checkbox"/> Hh <input type="checkbox"/> ALMA <input type="checkbox"/> Mp <input type="checkbox"/> Sc <input type="checkbox"/> Mk				<p>A simple guide:</p> <ul style="list-style-type: none"> - one station: SEFD - two stations: baseline sensitivity - more stations: image thermal noise <p>- field of view and EVN MkIV correlator limitations are given below</p>		
Number of spectral channels per subband, integration time [s], and maximum baseline length				Number of polarizations, subbands per polarizations, and bandwidth of a subband [MHz]		
16 ch <input type="text"/> 2 s <input type="text"/> 10000 km (Full EVN) <input type="text"/>				2 pols <input type="text"/> 8 sb <input type="text"/> 16 MHz <input type="text"/>		
Please select an array (N>2) and an observing band.				MkIV Correlator limitations no longer apply.		
				RESET GO		

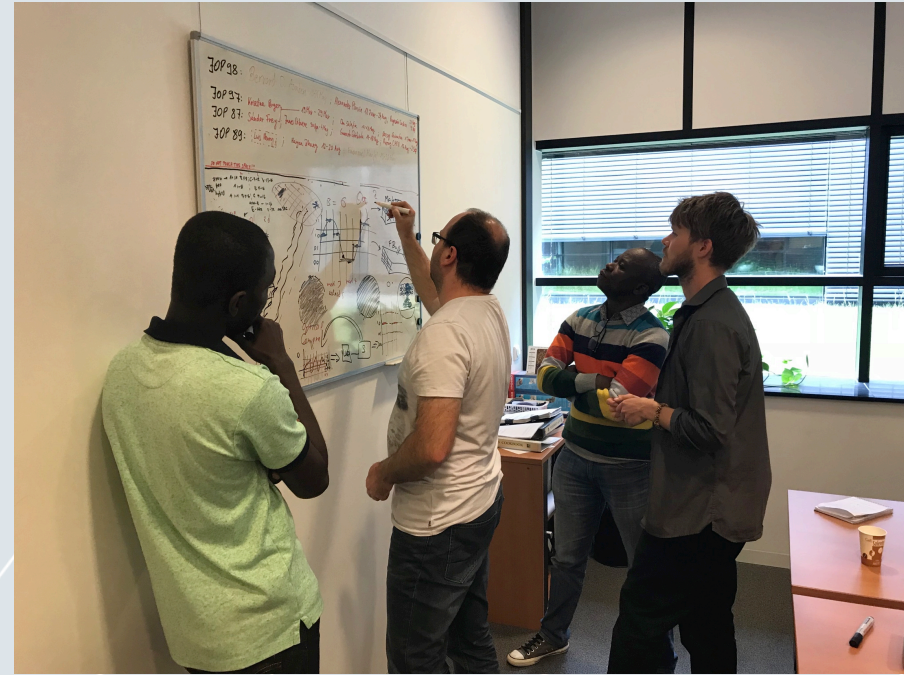
<http://www.evlbi.org/cgi-bin/EVNcalc>

Education and Training: ERIS



- **Helpers during the ERIS 2018 VLBI tutorial in Dwingeloo**
- **With former and current Support Scientists join forces!**

Education and Training: Africa



➤ **Jumping JIVE work package "VLBI in Africa"**

User Support: visit JIVE!



- **Users visiting for real-time e-VLBI observations (left)**
- **Data reduction visits (right)**

Access to the EVN

- **RadioNet, funded by the EC Horizon 2020 Research and Innovation programme**
- **Trans-national access back since January 2017. Eligibility rules:**
 - The PI is from an institute in a country of the EU or Associated States
 - The same criterion, but applied collectively to 50% or more of the individual members of the research team
 - The research team is defined by the co-authors listed on the observing proposal, and the association of researcher with institute remains fixed at that shown on the proposal
- **Acknowledge please!**
 - EVN ([with project code](#))
 - e-VLBI
 - TNA support

More information:

TNA support – see Bob Campbell
JIVE visits arrangements – see Zsolt Paragi

<http://www.evlbi.org/access/access.html>

At your service!



See you at JIVE!

