

## C241A Correlation Report

### General information

- Session info: <http://www3.mpifr-bonn.mpg.de/div/vlbi/globalmm/>
- Station feedback: Gl late due to storm (<https://docs.google.com/spreadsheets...gid=1941489491>), bad weather at Pv in the beginning and at Ef, Ys lost scans 0376, 0377, Mh was offline 2024-04-19 1228 to 1400 UTC, c241a was observed from 109-22:00 to 110-06:50 UT, 110-10:00 to 110-10:37 UT. Nn did not observe due to storm in the beginning, then due to a cabling error, we were on the "regular" 3mm band R&S SMA 100A synthesizer that was referenced to the maser (it should have sufficient quality for VLBI, however). We switched to the VLBI specific R&S SMA 100B just before starting c241b, and the following observations of c241b and c241c were done with it, Aa good, no KT

### Status

what	date
started e-transfer for PV(2/2), Ys, On, Mh, sent email to KVN/Mp (awaiting start), Ef done	22.04.2024
Fringes between Pv, On, Ys, Ef, Mh, sync error for Mh and probably Ys (missing frames) but only in the first few scans?	24.04.2024
KVN data transfer started (complete), At & Mp still missing, but contacted via email to check	26.04.2024
GLT, AA on the way, JCMT not yet	12.06.2024
AA arrived, to be scanned in, JCMT is halfway through the data transfer, JCMT done	05.07.2024
GLT arrived, filelist done, looking for fringe done	21.08.2024
Correlation commenced, test run through, comments below	22.08.2024

### Fringes

Station	Fringes	Plots	Comments
Ef	y		
Nn			
Pv	y		
Ys	y		
Mh	y		
On	y		
Gl			
KVN (3)	y		

Station	Fringes	Plots	Comments
VLBA(8)	y (FD & MK have fringes in B part)		

### Notes

From test run: KVN\_PC has a significant delay, due to the double peak problem, KVN has a big delay rate offset w.r.t. to LA. fixed.

### Post-Correlation checks

Residuals

FITS completeness (plist)