

# C182C Correlation Report

## General information

- Includes two science projects: the [second part of MM015](#) and [MB011A](#)
- Session info: <http://www3.mpifr-bonn.mpg.de/div/vlbi/globalmm/>
- Station feedback: [http://www3.mpifr-bonn.mpg.de/div/vlbi/globalmm/sessions/sep18/feedback\\_sep18.asc](http://www3.mpifr-bonn.mpg.de/div/vlbi/globalmm/sessions/sep18/feedback_sep18.asc)
- Text file with detailed antenna statistics: [c182c.antrep](#)

## Current Status

Correlation finished, data **released** on 14.03.2019.

## Fringes

Station	Code	Fringes	Plots	Comments
Ef	B	yes	<p>Fringe overview of all baselines (all of C182C) including this antenna in LL (left for each baseline) and RR (right for each baseline).</p> <p>Legend: white - scheduled, but no data, blue - no fringe, dark red/brown/green - fringes of different quality, bright red - false fringe (mostly for baselines to KVN, determined by having extremely large single-band delay, &gt; 0.1us)</p> <p><a href="#">c182c_SBD_RfAnt_Ef_LLRR_AllSrc.pdf</a></p> <p>Examples of fourfit fringe plots:</p> <p><a href="#">c182c_No0007_1633+38_BX_LL.pdf</a>, <a href="#">c182c_No0007_1633+38_BX_LR.pdf</a>,  <a href="#">c182c_No0007_1633+38_BX_RL.pdf</a>, <a href="#">c182c_No0007_1633+38_BX_RR.pdf</a>.</p> <p><a href="#">c182c_No0081_1633+38_BX_LL.pdf</a>, <a href="#">c182c_No0081_1633+38_BX_LR.pdf</a>,  <a href="#">c182c_No0081_1633+38_BX_RL.pdf</a>, <a href="#">c182c_No0081_1633+38_BX_RR.pdf</a>.</p> <p><a href="#">c182c_No0107_3C454.3_BX_LL.pdf</a>, <a href="#">c182c_No0107_3C454.3_BX_RR.pdf</a>,  no LR or RL fringes.</p> <p><a href="#">c182c_No0027_1633+38_BY_RL.pdf</a>, <a href="#">c182c_No0027_1633+38_BY_RR.pdf</a>,  no LL or LR fringes.</p> <p><a href="#">c182c_No0081_1633+38_BY_RL.pdf</a>, <a href="#">c182c_No0081_1633+38_BY_RR.pdf</a>,  no LL or LR fringes.</p> <p><a href="#">c182c_No0007_1633+38_BZ_LL.pdf</a>, <a href="#">c182c_No0007_1633+38_BZ_RL.pdf</a>,  <a href="#">c182c_No0007_1633+38_BZ_RR.pdf</a>, no LR fringe.</p> <p><a href="#">c182c_No0007_1633+38_BP_LL.pdf</a>, <a href="#">c182c_No0007_1633+38_BP_LR.pdf</a>,  <a href="#">c182c_No0007_1633+38_BP_RL.pdf</a>, <a href="#">c182c_No0007_1633+38_BP_RR.pdf</a>.</p>	

Station	Code	Fringes	Plots	Comments
			<a href="#">c182c No0007 1633+38 Bg LL.pdf</a> , <a href="#">c182c No0007 1633+38 Bg LR.pdf</a> , <a href="#">c182c No0007 1633+38 Bg RL.pdf</a> , <a href="#">c182c No0007 1633+38 Bg RR.pdf</a> .  Same for all antennas below unless otherwise noted.	
On	X	yes	<a href="#">c182c SBD RfAnt On LLRR AllSrc.pdf</a>  <a href="#">c182c No0007 1633+38 BX LL.pdf</a> , <a href="#">c182c No0007 1633+38 BX LR.pdf</a> , <a href="#">c182c No0007 1633+38 BX RL.pdf</a> , <a href="#">c182c No0007 1633+38 BX RR.pdf</a> .  <a href="#">c182c No0081 1633+38 BX LL.pdf</a> , <a href="#">c182c No0081 1633+38 BX LR.pdf</a> , <a href="#">c182c No0081 1633+38 BX RL.pdf</a> , <a href="#">c182c No0081 1633+38 BX RR.pdf</a> .  <a href="#">c182c No0107 3C454.3 XP LL.pdf</a> , <a href="#">c182c No0107 3C454.3 XP LR.pdf</a> , <a href="#">c182c No0107 3C454.3 XP RL.pdf</a> , <a href="#">c182c No0107 3C454.3 XP RR.pdf</a> .  <a href="#">c182c No0107 3C454.3 BX LL.pdf</a> , <a href="#">c182c No0107 3C454.3 BX RR.pdf</a> , no LR or RL fringes.  <a href="#">c182c No0023 1633+38 tX LL.pdf</a> , <a href="#">c182c No0023 1633+38 tX LR.pdf</a> , <a href="#">c182c No0023 1633+38 tX RL.pdf</a> , <a href="#">c182c No0023 1633+38 tX RR.pdf</a> .  <a href="#">c182c No0019 1633+38 uX LL.pdf</a> , <a href="#">c182c No0019 1633+38 uX LR.pdf</a> , <a href="#">c182c No0019 1633+38 uX RL.pdf</a> , <a href="#">c182c No0019 1633+38 uX RR.pdf</a> .	
Ys	Y	yes	<a href="#">c182c SBD RfAnt Ys LLRR AllSrc.pdf</a>  <a href="#">c182c No0027 1633+38 BY RL.pdf</a> , <a href="#">c182c No0027 1633+38 BY RR.pdf</a> , no LL or LR fringes.  <a href="#">c182c No0081 1633+38 BY RL.pdf</a> , <a href="#">c182c No0081 1633+38 BY RR.pdf</a> , no LL or LR fringes.  <a href="#">c182c No0107 3C454.3 PY LL.pdf</a> , <a href="#">c182c No0107 3C454.3 PY LR.pdf</a> , <a href="#">c182c No0107 3C454.3 PY RL.pdf</a> , <a href="#">c182c No0107 3C454.3 PY RR.pdf</a> .	An amplifier burned out just before the beginning of the session, fixed during the fringe test, but after that the antenna consistently produces fringes only to RCP, while in its typical configuration in should have LCP only, duplicated to both channels. But in this session it appears to have RCP only.
Mh	Z	yes	<a href="#">c182c SBD RfAnt Mh LLRR AllSrc.pdf</a>  <a href="#">c182c No0007 1633+38 BZ LL.pdf</a> , <a href="#">c182c No0007 1633+38 BZ RL.pdf</a> , <a href="#">c182c No0007 1633+38 BZ RR.pdf</a> , no LR fringe.  <a href="#">c182c No0107 3C454.3 ZP LL.pdf</a> , <a href="#">c182c No0107 3C454.3 ZP LR.pdf</a> , <a href="#">c182c No0107 3C454.3 ZP RL.pdf</a> , <a href="#">c182c No0107 3C454.3 ZP RR.pdf</a> .	
Pv	P	yes	<a href="#">c182c SBD RfAnt Pv LLRR AllSrc.pdf</a>	Had a small clock jump, see the residual plots.

Station	Code	Fringes	Plots	Comments
			<p><a href="#">c182c No0007 1633+38 BP LL.pdf</a>, <a href="#">c182c No0007 1633+38 BP LR.pdf</a>,  <a href="#">c182c No0007 1633+38 BP RL.pdf</a>, <a href="#">c182c No0007 1633+38 BP RR.pdf</a>.</p> <p><a href="#">c182c No0107 3C454.3 XP LL.pdf</a>, <a href="#">c182c No0107 3C454.3 XP LR.pdf</a>,  <a href="#">c182c No0107 3C454.3 XP RL.pdf</a>, <a href="#">c182c No0107 3C454.3 XP RR.pdf</a>.</p> <p><a href="#">c182c No0107 3C454.3 PY LL.pdf</a>, <a href="#">c182c No0107 3C454.3 PY LR.pdf</a>,  <a href="#">c182c No0107 3C454.3 PY RL.pdf</a>, <a href="#">c182c No0107 3C454.3 PY RR.pdf</a>.</p> <p><a href="#">c182c No0107 3C454.3 ZP LL.pdf</a>, <a href="#">c182c No0107 3C454.3 ZP LR.pdf</a>,  <a href="#">c182c No0107 3C454.3 ZP RL.pdf</a>, <a href="#">c182c No0107 3C454.3 ZP RR.pdf</a>.</p> <p><a href="#">c182c No0107 3C454.3 gP LL.pdf</a>, <a href="#">c182c No0107 3C454.3 gP LR.pdf</a>,  <a href="#">c182c No0107 3C454.3 gP RL.pdf</a>, <a href="#">c182c No0107 3C454.3 gP RR.pdf</a>.</p> <p><a href="#">c182c No0107 3C454.3 bP LL.pdf</a>, <a href="#">c182c No0107 3C454.3 bP RR.pdf</a>,  no LR or RL fringes.</p> <p><a href="#">c182c No0107 3C454.3 fP LL.pdf</a>, <a href="#">c182c No0107 3C454.3 fP RL.pdf</a>,  <a href="#">c182c No0107 3C454.3 fP RR.pdf</a>, no LR fringe.</p> <p><a href="#">c182c No0107 3C454.3 kP LL.pdf</a>, <a href="#">c182c No0107 3C454.3 kP LR.pdf</a>,  <a href="#">c182c No0107 3C454.3 kP RL.pdf</a>, <a href="#">c182c No0107 3C454.3 kP RR.pdf</a>.</p> <p><a href="#">c182c No0107 3C454.3 lP LL.pdf</a>, <a href="#">c182c No0107 3C454.3 lP RR.pdf</a>,  no LR or RL fringes.</p> <p><a href="#">c182c No0107 3C454.3 nP LL.pdf</a>, <a href="#">c182c No0107 3C454.3 nP RR.pdf</a>,  no LR or RL fringes.</p> <p><a href="#">c182c No0107 3C454.3 oP LL.pdf</a>, <a href="#">c182c No0107 3C454.3 oP LR.pdf</a>,  <a href="#">c182c No0107 3C454.3 oP RR.pdf</a>, no RL fringe.</p> <p><a href="#">c182c No0023 1633+38 tP LL.pdf</a>, <a href="#">c182c No0023 1633+38 tP LR.pdf</a>,  <a href="#">c182c No0023 1633+38 tP RL.pdf</a>, <a href="#">c182c No0023 1633+38 tP RR.pdf</a>.</p> <p><a href="#">c182c No0019 1633+38 uP LL.pdf</a>, <a href="#">c182c No0019 1633+38 uP LR.pdf</a>,  <a href="#">c182c No0019 1633+38 uP RL.pdf</a>, <a href="#">c182c No0019 1633+38 uP RR.pdf</a>.</p> <p><a href="#">c182c No0023 1633+38 yP LL.pdf</a>, <a href="#">c182c No0023 1633+38 yP LR.pdf</a>,  <a href="#">c182c No0023 1633+38 yP RL.pdf</a>, <a href="#">c182c No0023 1633+38 yP RR.pdf</a>.</p> <p><a href="#">c182c No0058 2013+370 yP LL.pdf</a>, <a href="#">c182c No0058 2013+370 yP LR.pdf</a>,  <a href="#">c182c No0058 2013+370 yP RL.pdf</a>, <a href="#">c182c No0058 2013+370 yP RR.pdf</a>.</p> <p><a href="#">c182c No0023 1633+38 yX LL.pdf</a>, <a href="#">c182c No0023 1633+38 yX LR.pdf</a>,  <a href="#">c182c No0023 1633+38 yX RL.pdf</a>, <a href="#">c182c No0023 1633+38 yX RR.pdf</a>.</p>	
GLT: Gl	g	yes	<a href="#">c182c_SBD_RfAnt_Gl_LLRR_AllSrc.pdf</a>	The GLT was observing in an unknown polarization configuration, linear or some

Station	Code	Fringes	Plots	Comments
			<a href="#">c182c No0007 1633+38 Bg_LL.pdf</a> , <a href="#">c182c No0007 1633+38 Bg_LR.pdf</a> , <a href="#">c182c No0007 1633+38 Bg_RL.pdf</a> , <a href="#">c182c No0007 1633+38 Bg_RR.pdf</a> .  <a href="#">c182c No0107 3C454.3 gP_LL.pdf</a> , <a href="#">c182c No0107 3C454.3 gP_LR.pdf</a> , <a href="#">c182c No0107 3C454.3 gP_RL.pdf</a> , <a href="#">c182c No0107 3C454.3 gP_RR.pdf</a> .	elliptic instead of the circular due to a polarizer misalignment. Unless there is a way to reconstruct the proper circular polarization, this station must be flagged or used only for the total power measurement.
VLBA: Br	b	yes	<a href="#">c182c SBD RfAnt Br LLRR AllSrc.pdf</a>  <a href="#">c182c No0008 3C120 bk_LL.pdf</a> , <a href="#">c182c No0008 3C120 bk_LR.pdf</a> , <a href="#">c182c No0008 3C120 bk_RL.pdf</a> , <a href="#">c182c No0008 3C120 bk_RR.pdf</a> .  <a href="#">c182c No0107 3C454.3 bP_LL.pdf</a> , <a href="#">c182c No0107 3C454.3 bP_RR.pdf</a> , no LR or RL fringes.	All VLBA antennas suffer from the same problem, diminishing the effective observing time in many scans by 30-50%.
VLBA: Fd	f	yes	<a href="#">c182c SBD RfAnt Fd LLRR AllSrc.pdf</a>  <a href="#">c182c No0010 0420-014 fm_LL.pdf</a> , <a href="#">c182c No0010 0420-014 fm_RR.pdf</a> , no LR or RL fringes.  <a href="#">c182c No0107 3C454.3 fP_LL.pdf</a> , <a href="#">c182c No0107 3C454.3 fP_RL.pdf</a> , <a href="#">c182c No0107 3C454.3 fP_RR.pdf</a> , no LR fringe.  <a href="#">c182c No0010 0420-014 fk_LL.pdf</a> , <a href="#">c182c No0010 0420-014 fk_RR.pdf</a> , no LR or RL fringes.  <a href="#">c182c No0128 3C454.3 fm_LL.pdf</a> , <a href="#">c182c No0128 3C454.3 fm_RR.pdf</a> , no LR or RL fringes.	All VLBA antennas suffer from the same problem, diminishing the effective observing time in many scans by 30-50%.
VLBA: Kp	k	yes	<a href="#">c182c SBD RfAnt Kp LLRR AllSrc.pdf</a>  <a href="#">c182c No0008 3C120 bk_LL.pdf</a> , <a href="#">c182c No0008 3C120 bk_LR.pdf</a> , <a href="#">c182c No0008 3C120 bk_RL.pdf</a> , <a href="#">c182c No0008 3C120 bk_RR.pdf</a> .  <a href="#">c182c No0010 0420-014 fk_LL.pdf</a> , <a href="#">c182c No0010 0420-014 fk_RR.pdf</a> , no LR or RL fringes.  <a href="#">c182c No0008 3C120 kl_LL.pdf</a> , <a href="#">c182c No0008 3C120 kl_RR.pdf</a> , no LR or RL fringes.  <a href="#">c182c No0010 0420-014 km_LL.pdf</a> , <a href="#">c182c No0010 0420-014 km_RR.pdf</a> , no LR or RL fringes.  <a href="#">c182c No0010 0420-014 kn_LL.pdf</a> , <a href="#">c182c No0010 0420-014 kn_RR.pdf</a> , no LR or RL fringes.	All VLBA antennas suffer from the same problem, diminishing the effective observing time in many scans by 30-50%.

Station	Code	Fringes	Plots	Comments
			<a href="#">c182c No0008 3C120 ko LL.pdf</a> , <a href="#">c182c No0008 3C120 ko RL.pdf</a> , <a href="#">c182c No0008 3C120 ko RR.pdf</a> , no LR fringe.  <a href="#">c182c No0107 3C454.3 kP LL.pdf</a> , <a href="#">c182c No0107 3C454.3 kP LR.pdf</a> , <a href="#">c182c No0107 3C454.3 kP RL.pdf</a> , <a href="#">c182c No0107 3C454.3 kP RR.pdf</a> .	
VLBA: La	l	yes	<a href="#">c182c SBD RfAnt La LLRR AllSrc.pdf</a>  <a href="#">c182c No0008 3C120 kl LL.pdf</a> , <a href="#">c182c No0008 3C120 kl RR.pdf</a> , no LR or RL fringes.  <a href="#">c182c No0107 3C454.3 lP LL.pdf</a> , <a href="#">c182c No0107 3C454.3 lP RR.pdf</a> , no LR or RL fringes.	All VLBA antennas suffer from the same problem, diminishing the effective observing time in many scans by 30-50%.
VLBA: Mk	m	yes	<a href="#">c182c SBD RfAnt Mk LLRR AllSrc.pdf</a>  <a href="#">c182c No0010 0420-014 km LL.pdf</a> , <a href="#">c182c No0010 0420-014 km RR.pdf</a> , no LR or RL fringes.  <a href="#">c182c No0010 0420-014 fm LL.pdf</a> , <a href="#">c182c No0010 0420-014 fm RR.pdf</a> , no LR or RL fringes.  <a href="#">c182c No0128 3C454.3 fm LL.pdf</a> , <a href="#">c182c No0128 3C454.3 fm RR.pdf</a> , no LR or RL fringes.	All VLBA antennas suffer from the same problem, diminishing the effective observing time in many scans by 30-50%.
VLBA: Nl	n	yes	<a href="#">c182c SBD RfAnt Nl LLRR AllSrc.pdf</a>  <a href="#">c182c No0010 0420-014 kn LL.pdf</a> , <a href="#">c182c No0010 0420-014 kn RR.pdf</a> , no LR or RL fringes.  <a href="#">c182c No0107 3C454.3 nP LL.pdf</a> , <a href="#">c182c No0107 3C454.3 nP RR.pdf</a> , no LR or RL fringes.	All VLBA antennas suffer from the same problem, diminishing the effective observing time in many scans by 30-50%.
VLBA: Ov	o	yes	<a href="#">c182c SBD RfAnt Ov LLRR AllSrc.pdf</a>  <a href="#">c182c No0008 3C120 ko LL.pdf</a> , <a href="#">c182c No0008 3C120 ko RL.pdf</a> , <a href="#">c182c No0008 3C120 ko RR.pdf</a> , no LR fringe.  <a href="#">c182c No0107 3C454.3 oP LL.pdf</a> , <a href="#">c182c No0107 3C454.3 oP LR.pdf</a> , <a href="#">c182c No0107 3C454.3 oP RR.pdf</a> , no RL fringe.	All VLBA antennas suffer from the same problem, diminishing the effective observing time in many scans by 30-50%.
VLBA: Pt	p	no	<a href="#">c182c SBD RfAnt Pt LLRR AllSrc.pdf</a> -----	All Pt data for this whole session lost due to a malfunctioning Mk5 module. We attempted to save it, but the data has proven to be unrecoverable.

Station	Code	Fringes	Plots	Comments
KVN: Kt	t	yes	<p><a href="#">c182c SBD RfAnt Kt LLRR AllSrc.pdf</a></p> <p><a href="#">c182c No0023 1633+38 tP LL.pdf</a>, <a href="#">c182c No0023 1633+38 tP LR.pdf</a>,  <a href="#">c182c No0023 1633+38 tP RL.pdf</a>, <a href="#">c182c No0023 1633+38 tP RR.pdf</a>.</p> <p><a href="#">c182c No0023 1633+38 tX LL.pdf</a>, <a href="#">c182c No0023 1633+38 tX LR.pdf</a>,  <a href="#">c182c No0023 1633+38 tX RL.pdf</a>, <a href="#">c182c No0023 1633+38 tX RR.pdf</a>.</p> <p><a href="#">c182c No0019 1633+38 tu LL.pdf</a>, <a href="#">c182c No0019 1633+38 tu LR.pdf</a>,  <a href="#">c182c No0019 1633+38 tu RL.pdf</a>, <a href="#">c182c No0019 1633+38 tu RR.pdf</a>.</p> <p><a href="#">c182c No0023 1633+38 ty LL.pdf</a>, <a href="#">c182c No0023 1633+38 ty LR.pdf</a>,  <a href="#">c182c No0023 1633+38 ty RL.pdf</a>, <a href="#">c182c No0023 1633+38 ty RR.pdf</a>.</p>	
KVN: Ku	u	yes	<p><a href="#">c182c SBD RfAnt Ku LLRR AllSrc.pdf</a></p> <p><a href="#">c182c No0019 1633+38 uP LL.pdf</a>, <a href="#">c182c No0019 1633+38 uP LR.pdf</a>,  <a href="#">c182c No0019 1633+38 uP RL.pdf</a>, <a href="#">c182c No0019 1633+38 uP RR.pdf</a>.</p> <p><a href="#">c182c No0019 1633+38 uX LL.pdf</a>, <a href="#">c182c No0019 1633+38 uX LR.pdf</a>,  <a href="#">c182c No0019 1633+38 uX RL.pdf</a>, <a href="#">c182c No0019 1633+38 uX RR.pdf</a>.</p> <p><a href="#">c182c No0019 1633+38 tu LL.pdf</a>, <a href="#">c182c No0019 1633+38 tu LR.pdf</a>,  <a href="#">c182c No0019 1633+38 tu RL.pdf</a>, <a href="#">c182c No0019 1633+38 tu RR.pdf</a>.</p> <p><a href="#">c182c No0019 1633+38 uy LL.pdf</a>, <a href="#">c182c No0019 1633+38 uy LR.pdf</a>,  <a href="#">c182c No0019 1633+38 uy RL.pdf</a>, <a href="#">c182c No0019 1633+38 uy RR.pdf</a>.</p>	
KVN: Ky	y	yes	<p><a href="#">c182c SBD RfAnt Ky LLRR AllSrc.pdf</a></p> <p><a href="#">c182c No0023 1633+38 yP LL.pdf</a>, <a href="#">c182c No0023 1633+38 yP LR.pdf</a>,  <a href="#">c182c No0023 1633+38 yP RL.pdf</a>, <a href="#">c182c No0023 1633+38 yP RR.pdf</a>.</p> <p><a href="#">c182c No0023 1633+38 yX LL.pdf</a>, <a href="#">c182c No0023 1633+38 yX LR.pdf</a>,  <a href="#">c182c No0023 1633+38 yX RL.pdf</a>, <a href="#">c182c No0023 1633+38 yX RR.pdf</a>.</p> <p><a href="#">c182c No0023 1633+38 ty LL.pdf</a>, <a href="#">c182c No0023 1633+38 ty LR.pdf</a>,  <a href="#">c182c No0023 1633+38 ty RL.pdf</a>, <a href="#">c182c No0023 1633+38 ty RR.pdf</a>.</p> <p><a href="#">c182c No0058 2013+370 yP LL.pdf</a>, <a href="#">c182c No0058 2013+370 yP LR.pdf</a>,  <a href="#">c182c No0058 2013+370 yP RL.pdf</a>, <a href="#">c182c No0058 2013+370 yP RR.pdf</a>.</p> <p><a href="#">c182c No0019 1633+38 uy LL.pdf</a>, <a href="#">c182c No0019 1633+38 uy LR.pdf</a>,  <a href="#">c182c No0019 1633+38 uy RL.pdf</a>, <a href="#">c182c No0019 1633+38 uy RR.pdf</a>.</p>	

## Notes

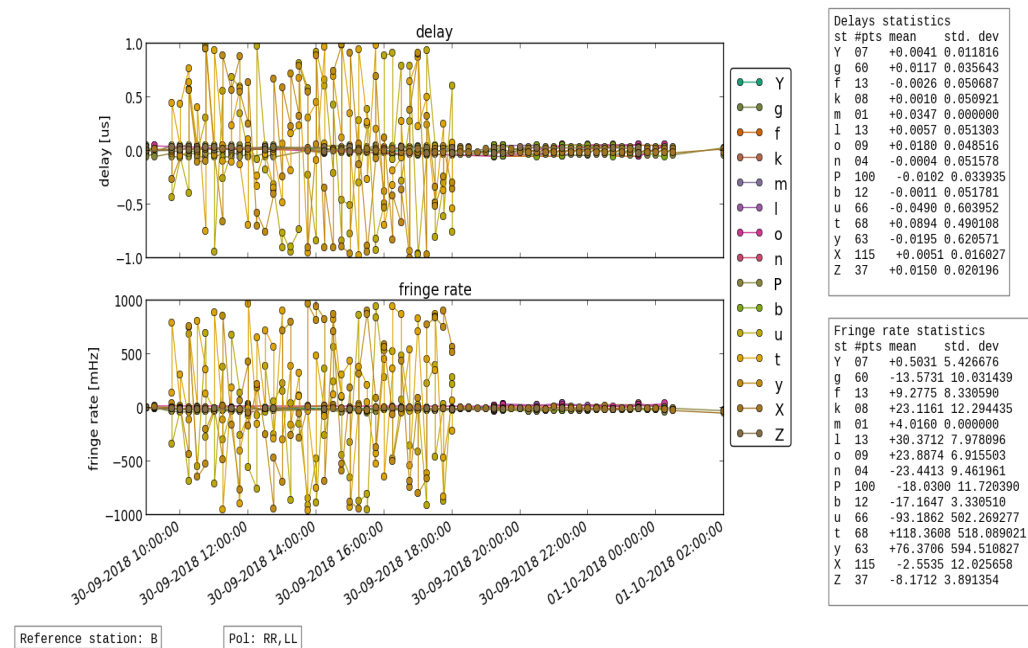
All VLBA antennas are affected by the same problem (probably originating in the control software) during the whole session: for a significant portion of scans the recording starts several seconds or even few minutes late compared with the schedule. This results in effective reduction of observing time by a factor of 30-50%.

For some reason fourfit finds a fringe for every baseline including a KVN antenna. We are still looking how to avoid this problem. Meanwhile in the overview tables above the value of single-band delay is used to tell the difference between the considerably fewer real fringes and false positives.

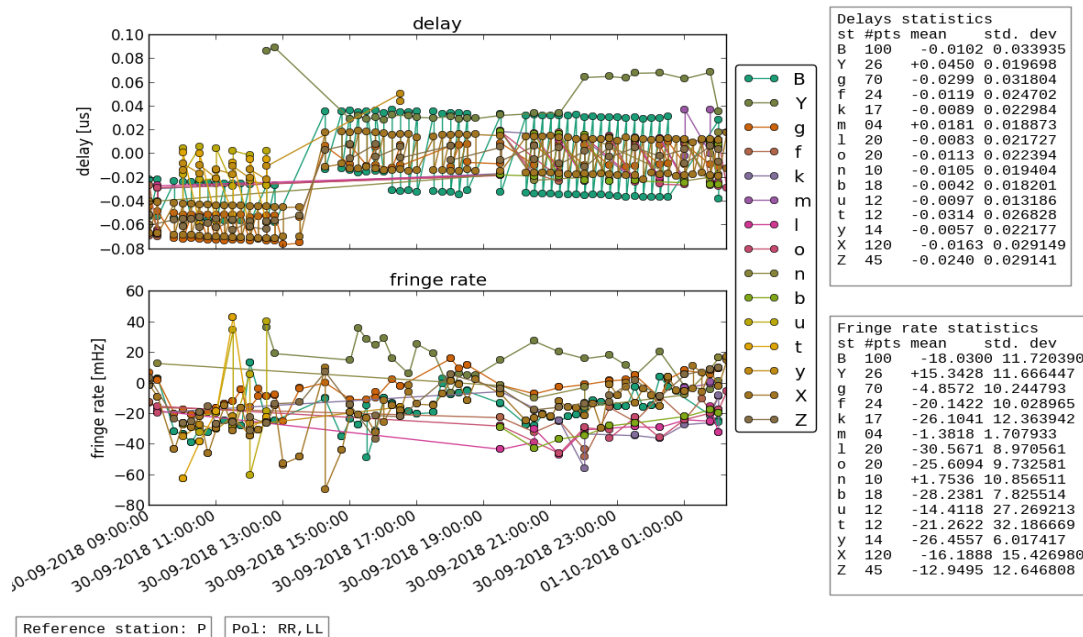
## Post-Correlation checks

### Residuals

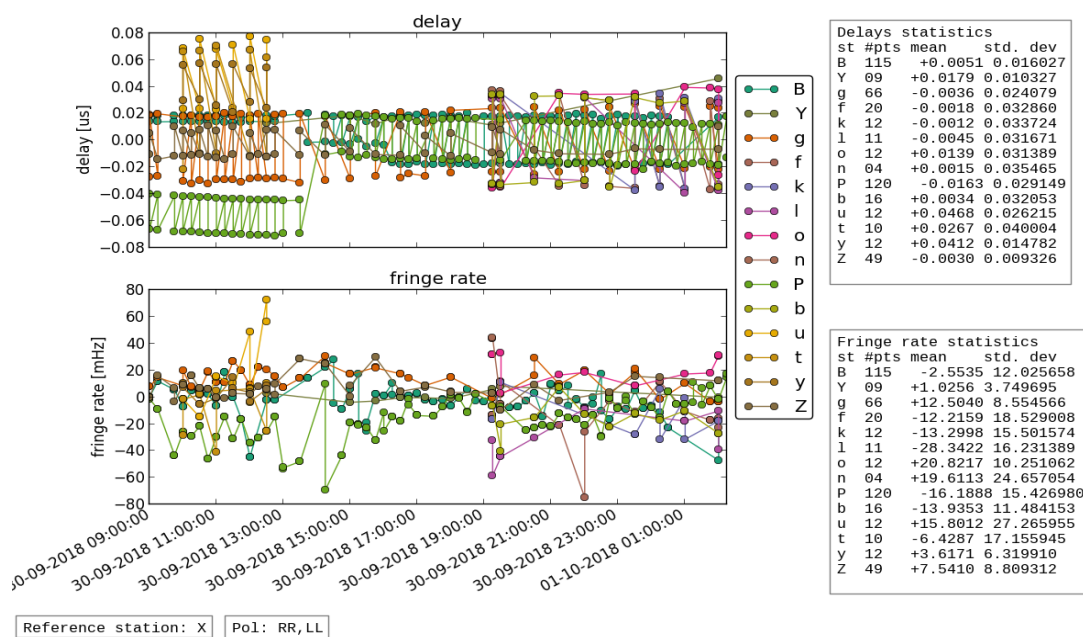
EF (the outliers are due to multiple false fringes in KVN antennas detected by fourfit):



PV (had a small clock jump):



ON:



**FITS completeness (plist)**

**legend:**

- o -- station scheduled and fully accounted for in the fits file
- 42 (or another number) -- station scheduled, but data found only for 42% of the scheduled interval
- x -- station scheduled, but corresponding entry not found in the fits file
- . -- station not scheduled



## c182c.fits:

				EF	GL	ON	YS	PV	MH	FD	NL	OV	PT	BR	KP	LA	MK	KY	KU	KT
c182c_001	No0001	3C84	3mm_RDBE	o	o	o	x	o	o	40	40	40	x	40	40	40	40	.	.	.
c182c_002	No0002	3C84	3mm_RDBE	o	o	o	x	o	o	75	75	71	x	71	75	75	71	.	.	.
c182c_003	No0003	0420-014	3mm_RDBE	.	.	.	.	.	.	73	73	73	x	73	73	73	73	.	.	.
c182c_004	No0004	3C120	3mm_RDBE	.	.	.	.	.	.	o	o	o	x	o	o	o	o	.	.	.
c182c_005	No0005	3C345	3mm_RDBE	o	o	o	x	o	o	.	.	.	.	.	.	.	.	o	o	o
c182c_006	No0006	0420-014	3mm_RDBE	.	.	.	.	.	.	o	o	o	x	o	o	o	o	.	.	.
c182c_007	No0007	1633+38	3mm_RDBE	o	o	o	x	o	o	.	.	.	.	.	.	.	.	o	75	75
c182c_008	No0008	3C120	3mm_RDBE	.	.	.	.	.	.	o	o	o	x	o	o	o	o	.	.	.
c182c_009	No0009	3C345	3mm_RDBE	o	o	o	x	o	o	.	.	.	.	.	.	.	.	o	75	75
c182c_010	No0010	0420-014	3mm_RDBE	.	.	.	.	.	.	o	o	o	x	o	o	o	o	.	.	.
c182c_011	No0011	1633+38	3mm_RDBE	o	o	o	x	o	o	.	.	.	.	.	.	.	.	o	75	75
c182c_012	No0012	3C120	3mm_RDBE	.	.	.	.	.	.	o	o	o	x	o	o	o	o	.	.	.
c182c_013	No0013	3C345	3mm_RDBE	o	o	o	x	o	o	.	.	.	.	.	.	.	.	o	75	75
c182c_014	No0014	0420-014	3mm_RDBE	.	.	.	.	.	.	o	o	o	x	o	o	o	o	.	.	.
c182c_015	No0015	1633+38	3mm_RDBE	o	o	o	x	40	o	.	.	.	.	.	.	.	.	o	75	75
c182c_016	No0016	3C120	3mm_RDBE	.	.	.	.	.	.	o	o	o	x	o	o	o	o	.	.	.
c182c_017	No0017	3C345	3mm_RDBE	o	o	o	x	o	o	.	.	.	.	.	.	.	.	o	75	75
c182c_018	No0018	0420-014	3mm_RDBE	.	.	.	.	.	.	o	o	o	x	o	o	o	o	.	.	.
c182c_019	No0019	1633+38	3mm_RDBE	o	o	o	x	o	o	.	.	.	.	.	.	.	.	o	75	75
c182c_020	No0020	3C120	3mm_RDBE	.	.	.	.	.	.	o	o	o	x	o	o	o	o	.	.	.
c182c_021	No0021	3C345	3mm_RDBE	o	o	o	x	o	o	.	.	.	.	.	.	.	.	o	75	75
c182c_022	No0022	0420-014	3mm_RDBE	.	.	.	.	.	.	o	o	o	x	o	o	o	o	.	.	.
c182c_023	No0023	1633+38	3mm_RDBE	o	o	o	x	o	o	.	.	.	.	.	.	.	.	o	75	75
c182c_024	No0024	3C120	3mm_RDBE	.	.	.	.	.	.	o	o	o	x	o	o	o	o	.	.	.
c182c_025	No0025	3C345	3mm_RDBE	o	o	o	x	o	o	.	.	.	.	.	.	.	.	o	75	75
c182c_026	No0026	0420-014	3mm_RDBE	.	.	.	.	.	.	o	o	o	x	o	o	o	o	.	.	.
c182c_027	No0027	1633+38	3mm_RDBE	o	o	o	o	o	o	.	.	.	.	.	.	.	.	o	75	75
c182c_028	No0028	3C120	3mm_RDBE	.	.	.	.	.	.	o	o	o	x	o	o	o	o	.	.	.
c182c_029	No0029	3C345	3mm_RDBE	o	o	o	o	o	o	.	.	.	.	.	.	.	.	o	75	75
c182c_030	No0030	0420-014	3mm_RDBE	.	.	.	.	.	.	o	o	o	x	o	o	o	o	.	.	.
c182c_031	No0031	2013+370	3mm_RDBE	o	o	o	o	48	o	.	.	.	.	.	.	.	.	o	62	71
c182c_032	No0032	3C120	3mm_RDBE	.	.	.	.	.	.	o	o	o	x	o	o	o	o	.	.	.
c182c_033	No0033	CYG_A	3mm_RDBE	o	o	o	o	o	o	.	.	.	.	.	.	.	.	o	75	75
c182c_034	No0034	0420-014	3mm_RDBE	.	.	.	.	.	.	o	o	o	x	o	o	o	o	.	.	.
c182c_035	No0035	2013+370	3mm_RDBE	o	o	o	o	o	o	.	.	.	.	.	.	.	.	o	76	76
c182c_036	No0036	3C120	3mm_RDBE	.	.	.	.	.	.	o	o	o	x	o	o	o	o	.	.	.
c182c_037	No0037	CYG_A	3mm_RDBE	o	o	o	o	o	o	.	.	.	.	.	.	.	.	o	87	87
c182c_038	No0038	0420-014	3mm_RDBE	.	.	.	.	.	.	o	o	o	x	o	o	o	o	.	.	.
c182c_039	No0039	CYG_A	3mm_RDBE	o	o	o	o	o	o	.	.	.	.	.	.	.	.	o	26	26
c182c_040	No0040	3C120	3mm_RDBE	.	.	.	.	.	.	o	o	o	x	o	o	o	o	.	.	.
c182c_041	No0041	2013+370	3mm_RDBE	o	o	o	o	38	o	.	.	.	.	.	.	.	.	o	76	76
c182c_042	No0042	0420-014	3mm_RDBE	.	.	.	.	.	.	70	70	73	x	73	70	70	73	.	.	.
c182c_043	No0043	CYG_A	3mm_RDBE	o	o	o	o	o	o	.	.	.	.	.	.	.	.	o	87	87
c182c_044	No0044	3C120	3mm_RDBE	.	.	.	.	.	.	o	o	o	x	o	o	o	o	.	.	.
c182c_045	No0045	CYG_A	3mm_RDBE	o	o	o	o	o	o	.	.	.	.	.	.	.	.	o	31	26
c182c_046	No0046	2013+370	3mm_RDBE	o	o	o	o	o	o	.	.	.	.	.	.	.	.	o	o	o



c182c_097	No0097	2013+370	3mm_RDBE	o	o	o	o	o	o	66	66	61	x	61	66	66	.	.	.	
c182c_098	No0098		CYG_A 3mm_RDBE	o	o	o	o	o	o	78	78	75	x	75	78	78	75	.	.	.
c182c_099	No0099		CYG_A 3mm_RDBE	o	o	o	o	o	o	93	93	93	x	93	93	93	93	.	.	.
c182c_100	No0100	2013+370	3mm_RDBE	o	o	o	o	o	o	66	66	61	x	61	66	66	61	.	.	.
c182c_101	No0101		CYG_A 3mm_RDBE	o	o	o	o	o	o	81	81	78	x	78	81	81	78	.	.	.
c182c_102	No0102		CYG_A 3mm_RDBE	o	o	o	o	o	o	93	93	93	x	93	93	93	93	.	.	.
c182c_103	No0103	2013+370	3mm_RDBE	o	o	o	o	o	o	66	66	66	x	66	66	66	66	.	.	.
c182c_104	No0104		CYG_A 3mm_RDBE	o	o	o	o	o	o	81	81	78	x	78	81	81	78	.	.	.
c182c_105	No0105		CYG_A 3mm_RDBE	o	o	o	o	o	o	93	93	93	x	93	93	93	93	.	.	.
c182c_106	No0106	2013+370	3mm_RDBE	o	o	o	o	o	o	66	66	66	x	66	66	66	66	.	.	.
c182c_107	No0107	3C454.3	3mm_RDBE	o	o	o	o	o	o	61	61	61	x	61	61	61	.	.	.	
c182c_108	No0108		CYG_A 3mm_RDBE	o	o	o	o	o	o	84	84	84	x	84	84	84	84	.	.	.
c182c_109	No0109		CYG_A 3mm_RDBE	o	o	o	o	.	o	o	o	93	x	93	o	o	93	.	.	.
c182c_110	No0110	2013+370	3mm_RDBE	o	o	.	.	.	.	o	o	66	x	66	o	o	66	.	.	.
c182c_111	No0111		CYG_A 3mm_RDBE	.	o	.	.	.	.	81	81	81	x	81	81	81	81	.	.	.
c182c_112	No0112		CYG_A 3mm_RDBE	.	o	.	.	.	.	93	93	o	x	o	93	93	o	.	.	.
c182c_113	No0113	2013+370	3mm_RDBE	.	o	.	.	.	.	93	93	o	x	o	93	93	o	.	.	.
c182c_114	No0114		CYG_A 3mm_RDBE	.	o	.	.	.	.	93	93	o	x	o	93	93	o	.	.	.
c182c_115	No0115		CYG_A 3mm_RDBE	.	o	.	.	.	.	93	93	o	x	o	93	93	o	o	x	o
c182c_116	No0116	2013+370	3mm_RDBE	.	o	.	.	.	.	93	93	o	x	o	93	93	o	o	x	o
c182c_117	No0117		CYG_A 3mm_RDBE	.	o	.	.	.	.	93	93	o	x	o	93	93	o	o	87	o
c182c_118	No0118		CYG_A 3mm_RDBE	.	o	.	.	.	.	93	93	o	x	o	93	93	o	o	o	o
c182c_119	No0119	2013+370	3mm_RDBE	.	o	.	.	.	.	93	93	o	x	o	93	93	o	o	o	o
c182c_120	No0120		CYG_A 3mm_RDBE	.	o	.	.	.	.	93	93	o	x	o	93	93	o	o	o	o
c182c_121	No0121		CYG_A 3mm_RDBE	.	o	.	.	.	.	93	93	o	x	o	93	93	o	o	o	o
c182c_122	No0122	2013+370	3mm_RDBE	.	o	.	.	.	.	93	93	o	x	o	93	93	o	o	o	o
c182c_123	No0123		CYG_A 3mm_RDBE	.	o	.	.	.	.	o	o	o	x	o	o	o	o	o	o	o
c182c_124	No0124		CYG_A 3mm_RDBE	.	o	.	.	.	.	93	93	o	x	o	93	93	o	o	o	o
c182c_125	No0125	2013+370	3mm_RDBE	.	o	.	.	.	.	93	93	o	x	o	93	93	o	o	o	o
c182c_126	No0126		CYG_A 3mm_RDBE	.	o	.	.	.	.	93	93	o	x	o	93	93	o	o	o	o
c182c_127	No0127		CYG_A 3mm_RDBE	.	o	.	.	.	.	92	92	o	x	o	92	92	o	o	o	o
c182c_128	No0128	3C454.3	3mm_RDBE	.	o	.	.	.	.	66	66	o	x	o	66	66	o	.	.	.
c182c_129	No0129		CYG_A 3mm_RDBE	.	o	.	.	.	.	75	75	81	x	81	75	75	81	o	o	o
c182c_130	No0130		CYG_A 3mm_RDBE	.	o	.	.	.	.	93	93	93	x	93	93	93	93	o	o	o
c182c_131	No0131	2013+370	3mm_RDBE	.	o	.	.	.	.	93	93	93	x	93	93	93	93	o	o	o
c182c_132	No0132		CYG_A 3mm_RDBE	.	o	.	.	.	.	o	o	o	x	o	o	o	o	o	o	o
c182c_133	No0133		CYG_A 3mm_RDBE	.	o	.	.	.	.	o	o	66	x	66	o	o	66	93	o	93