

# C181A Correlation Report

## General information

- Includes [ML006A](#), [ML006B](#), [MM013A](#).
- Session info: <http://www3.mpifr-bonn.mpg.de/div/vlbi/globalmm/>
- Station feedback: [http://www3.mpifr-bonn.mpg.de/div/vlbi/globalmm/sessions/apr18/feedback\\_apr18.asc](http://www3.mpifr-bonn.mpg.de/div/vlbi/globalmm/sessions/apr18/feedback_apr18.asc)
- GBT calibration info (Tsyes files for download) and other related information for this session can be found here: <https://safe.nrao.edu/wiki/bin/view/GB/Observing/WbandVLBACal/C181>
- *Special processing* was applied to all data in order to correlate mismatching frequency setups of ALMA and other GMVA stations. See details [here](#).

## Current Status

Correlation finished, data **released** on 12/12/2018.

A **second** data release, with a problem, spotted in the original release, corrected, was made on 31/01/2019.

A **third** data release, rerunning PolConvert with the latest (25.06.2019) ALMA QA2 release, was made on 01/10/2019.

## Fringes

Station	Code	Fringes	Plots	Comments
Ef	B	yes	<p>Fringe overview of all baselines (all of C181A) including Ef in LL (left for each baseline) and RR (right for each baseline). Legend: white - scheduled, but no data, blue - no fringe, red-green - fringes of different quality. D -- fourfit error, in this case due to mixing upper and lower subbands in the KVN compatibility mode, no real problem with the data.</p> <p>Scans 209, 210, 213-214 are missing from all diagnostic plots due to a difx2mark4 error. They are present in the final correlation products.</p> <p><a href="#">c181a FRINGE RfAnt Ef LLRR AllSrc.pdf</a></p> <p>Examples of fourfit fringe plots:</p> <p>preliminary:</p> <p><a href="#">c181a_No0055_3C345_BP_LL.pdf</a>, <a href="#">c181a_No0055_3C345_BP_LR.pdf</a>,  <a href="#">c181a_No0055_3C345_BP_RL.pdf</a>, <a href="#">c181a_No0055_3C345_BP_RR.pdf</a>.</p> <p>final:</p> <p><a href="#">c181a_No0035_3C279_AB_LL.pdf</a>, <a href="#">c181a_No0035_3C279_AB_LR.pdf</a>,  <a href="#">c181a_No0035_3C279_AB_RL.pdf</a>, <a href="#">c181a_No0035_3C279_AB_RR.pdf</a></p> <p><a href="#">c181a_No0199_3C273_AB_LL.pdf</a>, <a href="#">c181a_No0199_3C273_AB_LR.pdf</a>,  <a href="#">c181a_No0199_3C273_AB_RL.pdf</a>, <a href="#">c181a_No0199_3C273_AB_RR.pdf</a></p> <p><a href="#">c181a_No0208_3C273_AB_LL.pdf</a>, <a href="#">c181a_No0208_3C273_AB_LR.pdf</a>,  <a href="#">c181a_No0208_3C273_AB_RL.pdf</a>, <a href="#">c181a_No0208_3C273_AB_RR.pdf</a></p>	<p>In the plots EVN is "missing" all the baselines except to ALMA or GLT. This is due to a fourfit error, the baselines are missing only from some of the diagnostic plots, but are present in the final correlation products.</p>

Station	Code	Fringes	Plots	Comments
			Same for all antennas below unless otherwise noted.	
On	X	yes	<p><a href="#">c181a FRINGE RfAnt On LLRR AllSrc.pdf</a></p> <p>preliminary:</p> <p><a href="#">c181a No0055 3C345 XP LL.pdf</a>, <a href="#">c181a No0055 3C345 XP LR.pdf</a>,  <a href="#">c181a No0055 3C345 XP RL.pdf</a>, <a href="#">c181a No0055 3C345 XP RR.pdf</a>.</p> <p>final:</p> <p><a href="#">c181a No0032 3C279 AX LL.pdf</a>, <a href="#">c181a No0032 3C279 AX LR.pdf</a>,  <a href="#">c181a No0032 3C279 AX RL.pdf</a>, <a href="#">c181a No0032 3C279 AX RR.pdf</a></p> <p><a href="#">c181a No0208 3C273 AX LL.pdf</a>, <a href="#">c181a No0208 3C273 AX LR.pdf</a>,  <a href="#">c181a No0208 3C273 AX RL.pdf</a>, <a href="#">c181a No0208 3C273 AX RR.pdf</a></p>	In the plots EVN is "missing" all the baselines except to ALMA or GLT. This is due to a fourfit error, the baselines are missing only from some of the diagnostic plots, but are present in the final correlation products.
Ys	Y	yes	<p><a href="#">c181a FRINGE RfAnt Ys LLRR AllSrc.pdf</a></p> <p><a href="#">c181a No0208 3C273 AY LL.pdf</a>, <a href="#">c181a No0208 3C273 AY LR.pdf</a>,  <a href="#">c181a No0208 3C273 AY RL.pdf</a>, <a href="#">c181a No0208 3C273 AY RR.pdf</a></p> <p><a href="#">c181a No0220 3C273 gY LL.pdf</a>, <a href="#">c181a No0220 3C273 gY LR.pdf</a>,  no RL or RR fringes</p>	<p>late start due to bad weather</p> <p>As usual, Ys observed LCP only, but it was also recorded as fake RCP, that's why there are common Ys "right" to other antenna's left fringes.</p> <p>In the plots EVN is "missing" all the baselines except to ALMA or GLT. This is due to a fourfit error, the baselines are missing only from some of the diagnostic plots, but are present in the final correlation products.</p>
Mh	Z	yes	<a href="#">c181a FRINGE RfAnt Mh LLRR AllSrc.pdf</a>	In the plots EVN is "missing" all the

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Pv	P	yes	<p><a href="#">c181a_FRINGE_RfAnt_Pv_LLRR_AllSrc.pdf</a></p> <p>preliminary:</p> <p><a href="#">c181a_No0055_3C345_BP_LL.pdf</a>, <a href="#">c181a_No0055_3C345_BP_LR.pdf</a>,  <a href="#">c181a_No0055_3C345_BP_RL.pdf</a>, <a href="#">c181a_No0055_3C345_BP_RR.pdf</a>.</p> <p><a href="#">c181a_No0055_3C345_XP_LL.pdf</a>, <a href="#">c181a_No0055_3C345_XP_LR.pdf</a>,  <a href="#">c181a_No0055_3C345_XP_RL.pdf</a>, <a href="#">c181a_No0055_3C345_XP_RR.pdf</a>.</p> <p><a href="#">c181a_No0055_3C345_ZP_LL.pdf</a>, <a href="#">c181a_No0055_3C345_ZP_LR.pdf</a>,  <a href="#">c181a_No0055_3C345_ZP_RL.pdf</a>, <a href="#">c181a_No0055_3C345_ZP_RR.pdf</a>.</p> <p><a href="#">c181a_No0055_3C345_fP_LL.pdf</a>, <a href="#">c181a_No0055_3C345_fP_RR.pdf</a>,  no LR or RL fringes</p> <p><a href="#">c181a_No0055_3C345_oP_LL.pdf</a>, <a href="#">c181a_No0055_3C345_oP_LR.pdf</a>,  no RL fringe, <a href="#">c181a_No0055_3C345_oP_RR.pdf</a>.</p> <p>final:</p> <p><a href="#">c181a_No0208_3C273_AP_LL.pdf</a>, <a href="#">c181a_No0208_3C273_AP_LR.pdf</a>,  <a href="#">c181a_No0208_3C273_AP_RL.pdf</a>, <a href="#">c181a_No0208_3C273_AP_RR.pdf</a>  <a href="#">c181a_No0220_3C273_AP_LL.pdf</a>, <a href="#">c181a_No0220_3C273_AP_LR.pdf</a>,  <a href="#">c181a_No0220_3C273_AP_RL.pdf</a>, <a href="#">c181a_No0220_3C273_AP_RR.pdf</a>  <a href="#">c181a_No0220_3C273_gP_LL.pdf</a>, <a href="#">c181a_No0220_3C273_gP_LR.pdf</a>,  <a href="#">c181a_No0220_3C273_gP_RL.pdf</a>, <a href="#">c181a_No0220_3C273_gP_RR.pdf</a></p>	<p>late start due to snow</p> <p>In the plots EVN is "missing" all the baselines except to ALMA or GLT. This is due to a fourfit error, the baselines are missing only from some of the diagnostic plots, but are present in the final correlation products.</p>
VLBA: Br	b	yes	<p><a href="#">c181a_FRINGE_RfAnt_Br_LLRR_AllSrc.pdf</a></p> <p>preliminary:</p> <p><a href="#">c181a_No0039_3C279_bG_LL.pdf</a>, <a href="#">c181a_No0039_3C279_bG_LR.pdf</a>,  no RL fringe, <a href="#">c181a_No0039_3C279_bG_RR.pdf</a></p>	<p>all VLBA stations were starting recording late, software glitch: low data weight, possible other problems</p>

Station	Code	Fringes	Plots	Comments
			<p><a href="#">c181a No0120 3C345 bg LL.pdf</a>, <a href="#">c181a No0120 3C345 bg LR.pdf</a>,  <a href="#">c181a No0120 3C345 bg RL.pdf</a>, <a href="#">c181a No0120 3C345 bg RR.pdf</a></p> <p><a href="#">c181a No0225 3C273 bg LL.pdf</a>, <a href="#">c181a No0225 3C273 bg LR.pdf</a>,  <a href="#">c181a No0225 3C273 bg RL.pdf</a>, <a href="#">c181a No0225 3C273 bg RR.pdf</a></p> <p>final:</p> <p><a href="#">c181a No0035 3C279 Ab LL.pdf</a>, <a href="#">c181a No0035 3C279 Ab LR.pdf</a>,  <a href="#">c181a No0035 3C279 Ab RL.pdf</a>, <a href="#">c181a No0035 3C279 Ab RR.pdf</a></p> <p><a href="#">c181a No0215 3C273 Ab LL.pdf</a>, <a href="#">c181a No0215 3C273 Ab LR.pdf</a>,  <a href="#">c181a No0215 3C273 Ab RL.pdf</a>, <a href="#">c181a No0215 3C273 Ab RR.pdf</a></p> <p><a href="#">c181a No0008 OJ287 bp LL.pdf</a>, <a href="#">c181a No0008 OJ287 bp RR.pdf</a>,  no LR or RL fringe</p> <p><a href="#">c181a No0052 3C279 bf LL.pdf</a>, <a href="#">c181a No0052 3C279 bf LR.pdf</a>,  <a href="#">c181a No0052 3C279 bf RL.pdf</a>, <a href="#">c181a No0052 3C279 bf RR.pdf</a></p> <p><a href="#">c181a No0052 3C279 bn LL.pdf</a>, <a href="#">c181a No0052 3C279 bn LR.pdf</a>,  <a href="#">c181a No0052 3C279 bn RL.pdf</a>, <a href="#">c181a No0052 3C279 bn RR.pdf</a></p> <p><a href="#">c181a No0052 3C279 bo LL.pdf</a>, no LR fringe,  <a href="#">c181a No0052 3C279 bo RL.pdf</a>, <a href="#">c181a No0052 3C279 bo RR.pdf</a></p> <p><a href="#">c181a No0220 3C273 bG LL.pdf</a>, <a href="#">c181a No0220 3C273 bG LR.pdf</a>,  <a href="#">c181a No0220 3C273 bG RL.pdf</a>, <a href="#">c181a No0220 3C273 bG RR.pdf</a></p> <p><a href="#">c181a No0065 1633+38 bf LL.pdf</a>, <a href="#">c181a No0065 1633+38 bf RR.pdf</a>,  no LR or RL fringe</p> <p><a href="#">c181a No0065 1633+38 bk LL.pdf</a>, <a href="#">c181a No0065 1633+38 bk LR.pdf</a>,  no RL fringe, <a href="#">c181a No0065 1633+38 bk RR.pdf</a></p> <p><a href="#">c181a No0065 1633+38 bl LL.pdf</a>, <a href="#">c181a No0065 1633+38 bl LR.pdf</a>,  no RL fringe, <a href="#">c181a No0065 1633+38 bl RR.pdf</a></p> <p><a href="#">c181a No0065 1633+38 bn LL.pdf</a>, <a href="#">c181a No0065 1633+38 bn RR.pdf</a>,  no LR or RL fringes</p> <p><a href="#">c181a No0065 1633+38 bo LL.pdf</a>, <a href="#">c181a No0065 1633+38 bo RR.pdf</a>,  no LR or RL fringes</p> <p><a href="#">c181a No0065 1633+38 bp LL.pdf</a>, <a href="#">c181a No0065 1633+38 bp LR.pdf</a>,  no RL fringe, <a href="#">c181a No0065 1633+38 bp RR.pdf</a></p>	
VLBA: Fd	f	yes	<a href="#">c181a FRINGE RfAnt Fd LLRR AllSrc.pdf</a>	all VLBA stations were starting recording late,

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VLBA: Kp	k	yes	<p><a href="#">c181a FRINGE RfAnt Kp LLRR AllSrc.pdf</a></p> <p><a href="#">c181a No0230 3C273 kp LL.pdf</a>, <a href="#">c181a No0230 3C273 kp LR.pdf</a>,  <a href="#">c181a No0230 3C273 kp RL.pdf</a>, <a href="#">c181a No0230 3C273 kp RR.pdf</a></p> <p><a href="#">c181a No0065 1633+38 bk LL.pdf</a>, <a href="#">c181a No0065 1633+38 bk LR.pdf</a>,  no RL fringe, <a href="#">c181a No0065 1633+38 bk RR.pdf</a></p>	<p>all VLBA stations were starting recording late, software glitch: low data weight, possible other problems</p>

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			<a href="#">c181a_No0114_3C345_gk_LL.pdf</a> , <a href="#">c181a_No0114_3C345_gk_LR.pdf</a> , <a href="#">c181a_No0114_3C345_gk_RL.pdf</a> , <a href="#">c181a_No0114_3C345_gk_RR.pdf</a>	
VLBA: La	l	yes	<a href="#">c181a_FRINGE_RfAnt_La_LLRR_AllSrc.pdf</a>  <a href="#">c181a_No0230_3C273_lp_LL.pdf</a> , <a href="#">c181a_No0230_3C273_lp_LR.pdf</a> , <a href="#">c181a_No0230_3C273_lp_RL.pdf</a> , <a href="#">c181a_No0230_3C273_lp_RR.pdf</a>  <a href="#">c181a_No0065_1633+38_bl_LL.pdf</a> , <a href="#">c181a_No0065_1633+38_bl_LR.pdf</a> , no RL fringe, <a href="#">c181a_No0065_1633+38_bl_RR.pdf</a>  <a href="#">c181a_No0114_3C345_gl_LL.pdf</a> , <a href="#">c181a_No0114_3C345_gl_LR.pdf</a> , <a href="#">c181a_No0114_3C345_gl_RL.pdf</a> , <a href="#">c181a_No0114_3C345_gl_RR.pdf</a>	all VLBA stations were starting recording late, software glitch: low data weight, possible other problems
VLBA: Mk	m	yes	<a href="#">c181a_FRINGE_RfAnt_Mk_LLRR_AllSrc.pdf</a>  <a href="#">c181a_No0008_OJ287_mp_LL.pdf</a> , no LR, RL or RR fringe  <a href="#">c181a_No0047_3C279_Am_LL.pdf</a> , <a href="#">c181a_No0047_3C279_Am_LR.pdf</a> , <a href="#">c181a_No0047_3C279_Am_RL.pdf</a> , <a href="#">c181a_No0047_3C279_Am_RR.pdf</a>  <a href="#">c181a_No0047_3C279_fm_LL.pdf</a> , <a href="#">c181a_No0047_3C279_fm_RR.pdf</a> , no LR or RL fringes  <a href="#">c181a_No0230_3C273_mp_LL.pdf</a> , <a href="#">c181a_No0230_3C273_mp_RR.pdf</a> , no LR or RL fringes  <a href="#">c181a_No0220_3C273_Gm_LL.pdf</a> , <a href="#">c181a_No0220_3C273_Gm_RR.pdf</a> , no LR or RL fringes	all VLBA stations were starting recording late, software glitch: low data weight, possible other problems
VLBA: Nl	n	yes	<a href="#">c181a_FRINGE_RfAnt_Nl_LLRR_AllSrc.pdf</a>  preliminary:  <a href="#">c181a_No0039_3C279_Gn_LL.pdf</a> , <a href="#">c181a_No0039_3C279_Gn_RR.pdf</a> , no LR or RL fringe  final:  <a href="#">c181a_No0035_3C279_An_LL.pdf</a> , <a href="#">c181a_No0035_3C279_An_LR.pdf</a> , <a href="#">c181a_No0035_3C279_An_RL.pdf</a> , <a href="#">c181a_No0035_3C279_An_RR.pdf</a>  <a href="#">c181a_No0208_3C273_An_LL.pdf</a> , <a href="#">c181a_No0208_3C273_An_LR.pdf</a> , <a href="#">c181a_No0208_3C273_An_RL.pdf</a> , <a href="#">c181a_No0208_3C273_An_RR.pdf</a>  <a href="#">c181a_No0008_OJ287_np_LL.pdf</a> , <a href="#">c181a_No0008_OJ287_np_RR.pdf</a> , no LR or RL fringes	all VLBA stations were starting recording late, software glitch: low data weight, possible other problems

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VLBA: Ov	0	<b>yes</b>	<p><a href="#">c181a FRINGE RfAnt Ov LLRR AllSrc.pdf</a></p> <p>preliminary:</p> <p><a href="#">c181a No0055 3C345 oP LL.pdf</a>, <a href="#">c181a No0055 3C345 oP LR.pdf</a>, no RL fringe, <a href="#">c181a No0055 3C345 oP RR.pdf</a>.</p> <p><a href="#">c181a No0039 3C279 Go LL.pdf</a>, no LR fringe, <a href="#">c181a No0039 3C279 Go RL.pdf</a>, <a href="#">c181a No0039 3C279 Go RR.pdf</a>.</p> <p>final:</p> <p><a href="#">c181a No0035 3C279 Ao LL.pdf</a>, <a href="#">c181a No0035 3C279 Ao LR.pdf</a>, <a href="#">c181a No0035 3C279 Ao RL.pdf</a>, <a href="#">c181a No0035 3C279 Ao RR.pdf</a></p> <p><a href="#">c181a No0208 3C273 Ao LL.pdf</a>, <a href="#">c181a No0208 3C273 Ao LR.pdf</a>, <a href="#">c181a No0208 3C273 Ao RL.pdf</a>, <a href="#">c181a No0208 3C273 Ao RR.pdf</a></p> <p><a href="#">c181a No0008 OJ287 op LL.pdf</a>, <a href="#">c181a No0008 OJ287 op LR.pdf</a>, <a href="#">c181a No0008 OJ287 op RL.pdf</a>, <a href="#">c181a No0008 OJ287 op RR.pdf</a></p> <p><a href="#">c181a No0010 OJ287 op LL.pdf</a>, <a href="#">c181a No0010 OJ287 op RR.pdf</a>, no LR or RL fringes</p> <p><a href="#">c181a No0052 3C279 bo LL.pdf</a>, no LR fringe, <a href="#">c181a No0052 3C279 bo RL.pdf</a>, <a href="#">c181a No0052 3C279 bo RR.pdf</a></p> <p><a href="#">c181a No0220 3C273 go LL.pdf</a>, <a href="#">c181a No0220 3C273 go LR.pdf</a>, <a href="#">c181a No0220 3C273 go RL.pdf</a>, <a href="#">c181a No0220 3C273 go RR.pdf</a></p> <p><a href="#">c181a No0220 3C273 Go LL.pdf</a>, <a href="#">c181a No0220 3C273 Go LR.pdf</a>, <a href="#">c181a No0220 3C273 Go RL.pdf</a>, <a href="#">c181a No0220 3C273 Go RR.pdf</a></p>	all VLBA stations were starting recording late, software glitch: low data weight, possible other problems

Station	Code	Fringes	Plots	Comments
			<p><a href="#">c181a No0065 1633+38 bo LL.pdf</a>, <a href="#">c181a No0065 1633+38 bo RR.pdf</a>, no LR or RL fringes</p> <p><a href="#">c181a No0114 3C345 go LL.pdf</a>, <a href="#">c181a No0114 3C345 go LR.pdf</a>, <a href="#">c181a No0114 3C345 go RL.pdf</a>, <a href="#">c181a No0114 3C345 go RR.pdf</a></p>	
VLBA: Pt	p	<b>yes</b>	<p><a href="#">c181a FRINGE RfAnt Pt LLRR AllSrc.pdf</a></p> <p>preliminary:</p> <p><a href="#">c181a No0120 3C345 gp LL.pdf</a>, <a href="#">c181a No0120 3C345 gp LR.pdf</a>, <a href="#">c181a No0120 3C345 gp RL.pdf</a>, <a href="#">c181a No0120 3C345 gp RR.pdf</a></p> <p><a href="#">c181a No0225 3C273 gp LL.pdf</a>, <a href="#">c181a No0225 3C273 gp LR.pdf</a>, <a href="#">c181a No0225 3C273 gp RL.pdf</a>, <a href="#">c181a No0225 3C273 gp RR.pdf</a></p> <p>final:</p> <p><a href="#">c181a No0029 3C279 Ap LL.pdf</a>, <a href="#">c181a No0029 3C279 Ap LR.pdf</a>, <a href="#">c181a No0029 3C279 Ap RL.pdf</a>, <a href="#">c181a No0029 3C279 Ap RR.pdf</a></p> <p><a href="#">c181a No0208 3C273 Ap LL.pdf</a>, <a href="#">c181a No0208 3C273 Ap LR.pdf</a>, <a href="#">c181a No0208 3C273 Ap RL.pdf</a>, <a href="#">c181a No0208 3C273 Ap RR.pdf</a></p> <p><a href="#">c181a No0008 OJ287 bp LL.pdf</a>, <a href="#">c181a No0008 OJ287 bp RR.pdf</a>, no LR or RL fringe</p> <p><a href="#">c181a No0008 OJ287 fp LL.pdf</a>, <a href="#">c181a No0008 OJ287 fp LR.pdf</a>, <a href="#">c181a No0008 OJ287 fp RL.pdf</a>, <a href="#">c181a No0008 OJ287 fp RR.pdf</a></p> <p><a href="#">c181a No0008 OJ287 Gp LL.pdf</a>, <a href="#">c181a No0008 OJ287 Gp LR.pdf</a>, <a href="#">c181a No0008 OJ287 Gp RL.pdf</a>, <a href="#">c181a No0008 OJ287 Gp RR.pdf</a></p> <p><a href="#">c181a No0010 OJ287 Gp LL.pdf</a>, <a href="#">c181a No0010 OJ287 Gp LR.pdf</a>, no RL fringe, <a href="#">c181a No0010 OJ287 Gp RR.pdf</a></p> <p><a href="#">c181a No0008 OJ287 mp LL.pdf</a>, no LR, RL or RR fringe</p> <p><a href="#">c181a No0008 OJ287 np LL.pdf</a>, <a href="#">c181a No0008 OJ287 np RR.pdf</a>, no LR or RL fringes</p> <p><a href="#">c181a No0008 OJ287 op LL.pdf</a>, <a href="#">c181a No0008 OJ287 op LR.pdf</a>, <a href="#">c181a No0008 OJ287 op RL.pdf</a>, <a href="#">c181a No0008 OJ287 op RR.pdf</a></p> <p><a href="#">c181a No0010 OJ287 fp LL.pdf</a>, <a href="#">c181a No0010 OJ287 fp LR.pdf</a>, <a href="#">c181a No0010 OJ287 fp RL.pdf</a>, <a href="#">c181a No0010 OJ287 fp RR.pdf</a></p> <p><a href="#">c181a No0010 OJ287 np LL.pdf</a>, <a href="#">c181a No0010 OJ287 np RR.pdf</a>, no LR or RL fringes</p>	<p>all VLBA stations were starting recording late, software glitch: low data weight, possible other problems</p> <p>Taken out for several scans because of USNO observing.</p>



Station	Code	Fringes	Plots	Comments
			<p><a href="#">c181a No0010 OJ287_op_LL.pdf</a>, <a href="#">c181a No0010 OJ287_op_RR.pdf</a>, no LR or RL fringes</p> <p><a href="#">c181a No0230 3C273 mp_LL.pdf</a>, <a href="#">c181a No0230 3C273 mp_RR.pdf</a>, no LR or RL fringes</p> <p><a href="#">c181a No0230 3C273 kp_LL.pdf</a>, <a href="#">c181a No0230 3C273 kp_LR.pdf</a>, <a href="#">c181a No0230 3C273 kp_RL.pdf</a>, <a href="#">c181a No0230 3C273 kp_RR.pdf</a></p> <p><a href="#">c181a No0230 3C273 lp_LL.pdf</a>, <a href="#">c181a No0230 3C273 lp_LR.pdf</a>, <a href="#">c181a No0230 3C273 lp_RL.pdf</a>, <a href="#">c181a No0230 3C273 lp_RR.pdf</a></p> <p><a href="#">c181a No0230 3C273 fp_LL.pdf</a>, <a href="#">c181a No0230 3C273 fp_LR.pdf</a>, <a href="#">c181a No0230 3C273 fp_RL.pdf</a>, <a href="#">c181a No0230 3C273 fp_RR.pdf</a></p> <p><a href="#">c181a No0065 1633+38 bp_LL.pdf</a>, <a href="#">c181a No0065 1633+38 bp_LR.pdf</a>, no RL fringe, <a href="#">c181a No0065 1633+38 bp_RR.pdf</a></p> <p><a href="#">c181a No0114 3C345 gp_LL.pdf</a>, <a href="#">c181a No0114 3C345 gp_LR.pdf</a>, <a href="#">c181a No0114 3C345 gp_RL.pdf</a>, <a href="#">c181a No0114 3C345 gp_RR.pdf</a></p>	
GBT: Gb	G	<b>yes</b>	<p><a href="#">c181a FRINGE RfAnt Gb LLRR AllSrc.pdf</a></p> <p>preliminary:</p> <p><a href="#">c181a No0039 3C279 bG_LL.pdf</a>, <a href="#">c181a No0039 3C279 bG_LR.pdf</a>, no RL fringe, <a href="#">c181a No0039 3C279 bG_RR.pdf</a>.</p> <p><a href="#">c181a No0039 3C279 fG_LL.pdf</a>, <a href="#">c181a No0039 3C279 fG_LR.pdf</a>, <a href="#">c181a No0039 3C279 fG_RL.pdf</a>, <a href="#">c181a No0039 3C279 fG_RR.pdf</a>.</p> <p><a href="#">c181a No0225 3C273 Gg_LL.pdf</a>, <a href="#">c181a No0225 3C273 Gg_LR.pdf</a>, <a href="#">c181a No0225 3C273 Gg_RL.pdf</a>, <a href="#">c181a No0225 3C273 Gg_RR.pdf</a></p> <p><a href="#">c181a No0039 3C279 Gn_LL.pdf</a>, <a href="#">c181a No0039 3C279 Gn_RR.pdf</a>, no LR or RL fringe</p> <p><a href="#">c181a No0039 3C279 Go_LL.pdf</a>, no LR fringe, <a href="#">c181a No0039 3C279 Go_RL.pdf</a>, <a href="#">c181a No0039 3C279 Go_RR.pdf</a>.</p> <p>final:</p> <p><a href="#">c181a No0035 3C279 AG_LL.pdf</a>, <a href="#">c181a No0035 3C279 AG_LR.pdf</a>, <a href="#">c181a No0035 3C279 AG_RL.pdf</a>, <a href="#">c181a No0035 3C279 AG_RR.pdf</a></p> <p><a href="#">c181a No0215 3C273 AG_LL.pdf</a>, <a href="#">c181a No0215 3C273 AG_LR.pdf</a>, <a href="#">c181a No0215 3C273 AG_RL.pdf</a>, <a href="#">c181a No0215 3C273 AG_RR.pdf</a></p>	

Station	Code	Fringes	Plots	Comments
			<p><a href="#">c181a No0220 3C273 AG LL.pdf</a>, <a href="#">c181a No0220 3C273 AG LR.pdf</a>,  <a href="#">c181a No0220 3C273 AG RL.pdf</a>, <a href="#">c181a No0220 3C273 AG RR.pdf</a></p> <p><a href="#">c181a No0008 OJ287 Gp LL.pdf</a>, <a href="#">c181a No0008 OJ287 Gp LR.pdf</a>,  <a href="#">c181a No0008 OJ287 Gp RL.pdf</a>, <a href="#">c181a No0008 OJ287 Gp RR.pdf</a></p> <p><a href="#">c181a No0010 OJ287 Gp LL.pdf</a>, <a href="#">c181a No0010 OJ287 Gp LR.pdf</a>,  no RL fringe, <a href="#">c181a No0010 OJ287 Gp RR.pdf</a></p> <p><a href="#">c181a No0052 3C279 bG LL.pdf</a>, <a href="#">c181a No0052 3C279 bG LR.pdf</a>,  <a href="#">c181a No0052 3C279 bG RL.pdf</a>, <a href="#">c181a No0052 3C279 bG RR.pdf</a></p> <p><a href="#">c181a No0220 3C273 Gm LL.pdf</a>, <a href="#">c181a No0220 3C273 Gm RR.pdf</a>,  no LR or RL fringes</p> <p><a href="#">c181a No0220 3C273 Gg LL.pdf</a>, <a href="#">c181a No0220 3C273 Gg LR.pdf</a>,  <a href="#">c181a No0220 3C273 Gg RL.pdf</a>, <a href="#">c181a No0220 3C273 Gg RR.pdf</a></p> <p><a href="#">c181a No0220 3C273 bG LL.pdf</a>, <a href="#">c181a No0220 3C273 bG LR.pdf</a>,  <a href="#">c181a No0220 3C273 bG RL.pdf</a>, <a href="#">c181a No0220 3C273 bG RR.pdf</a></p> <p><a href="#">c181a No0220 3C273 Gn LL.pdf</a>, <a href="#">c181a No0220 3C273 Gn LR.pdf</a>,  <a href="#">c181a No0220 3C273 Gn RL.pdf</a>, <a href="#">c181a No0220 3C273 Gn RR.pdf</a></p> <p><a href="#">c181a No0220 3C273 Go LL.pdf</a>, <a href="#">c181a No0220 3C273 Go LR.pdf</a>,  <a href="#">c181a No0220 3C273 Go RL.pdf</a>, <a href="#">c181a No0220 3C273 Go RR.pdf</a></p> <p><a href="#">c181a No0220 3C273 fG LL.pdf</a>, <a href="#">c181a No0220 3C273 fG LR.pdf</a>,  <a href="#">c181a No0220 3C273 fG RL.pdf</a>, <a href="#">c181a No0220 3C273 fG RR.pdf</a></p>	
GLT: Gl	g	yes	<p><a href="#">c181a FRINGE RfAnt Gl LLRR AllSrc.pdf</a></p> <p>preliminary:</p> <p><a href="#">c181a No0120 3C345 bg LL.pdf</a>, <a href="#">c181a No0120 3C345 bg LR.pdf</a>,  <a href="#">c181a No0120 3C345 bg RL.pdf</a>, <a href="#">c181a No0120 3C345 bg RR.pdf</a></p> <p><a href="#">c181a No0225 3C273 bg LL.pdf</a>, <a href="#">c181a No0225 3C273 bg LR.pdf</a>,  <a href="#">c181a No0225 3C273 bg RL.pdf</a>, <a href="#">c181a No0225 3C273 bg RR.pdf</a></p> <p><a href="#">c181a No0225 3C273 Gg LL.pdf</a>, <a href="#">c181a No0225 3C273 Gg LR.pdf</a>,  <a href="#">c181a No0225 3C273 Gg RL.pdf</a>, <a href="#">c181a No0225 3C273 Gg RR.pdf</a></p> <p><a href="#">c181a No0120 3C345 gp LL.pdf</a>, <a href="#">c181a No0120 3C345 gp LR.pdf</a>,  <a href="#">c181a No0120 3C345 gp RL.pdf</a>, <a href="#">c181a No0120 3C345 gp RR.pdf</a></p> <p><a href="#">c181a No0225 3C273 gp LL.pdf</a>, <a href="#">c181a No0225 3C273 gp LR.pdf</a>,  <a href="#">c181a No0225 3C273 gp RL.pdf</a>, <a href="#">c181a No0225 3C273 gp RR.pdf</a></p>	<p>Data analysis has shown that GLT recorded in unknown polarization instead of circular (most probably unknown elliptic). At this moment <b>IT SHOULD NOT BE USED FOR ANY POLARIMETRY</b> and in general dealt with very carefully.</p>

Station	Code	Fringes	Plots	Comments
			<p>final:</p> <p><a href="#">c181a No0215 3C273 Ag LL.pdf</a>, <a href="#">c181a No0215 3C273 Ag LR.pdf</a>,  <a href="#">c181a No0215 3C273 Ag RL.pdf</a>, <a href="#">c181a No0215 3C273 Ag RR.pdf</a></p> <p><a href="#">c181a No0220 3C273 Ag LL.pdf</a>, <a href="#">c181a No0220 3C273 Ag LR.pdf</a>,  <a href="#">c181a No0220 3C273 Ag RL.pdf</a>, <a href="#">c181a No0220 3C273 Ag RR.pdf</a></p> <p><a href="#">c181a No0220 3C273 gY LL.pdf</a>, <a href="#">c181a No0220 3C273 gY LR.pdf</a>,                      no RL or RR fringes</p> <p><a href="#">c181a No0220 3C273 gP LL.pdf</a>, <a href="#">c181a No0220 3C273 gP LR.pdf</a>,  <a href="#">c181a No0220 3C273 gP RL.pdf</a>, <a href="#">c181a No0220 3C273 gP RR.pdf</a></p> <p><a href="#">c181a No0220 3C273 Gg LL.pdf</a>, <a href="#">c181a No0220 3C273 Gg LR.pdf</a>,  <a href="#">c181a No0220 3C273 Gg RL.pdf</a>, <a href="#">c181a No0220 3C273 Gg RR.pdf</a></p> <p><a href="#">c181a No0220 3C273 gn LL.pdf</a>, <a href="#">c181a No0220 3C273 gn LR.pdf</a>,  <a href="#">c181a No0220 3C273 gn RL.pdf</a>, <a href="#">c181a No0220 3C273 gn RR.pdf</a></p> <p><a href="#">c181a No0220 3C273 go LL.pdf</a>, <a href="#">c181a No0220 3C273 go LR.pdf</a>,  <a href="#">c181a No0220 3C273 go RL.pdf</a>, <a href="#">c181a No0220 3C273 go RR.pdf</a></p> <p><a href="#">c181a No0114 3C345 gk LL.pdf</a>, <a href="#">c181a No0114 3C345 gk LR.pdf</a>,  <a href="#">c181a No0114 3C345 gk RL.pdf</a>, <a href="#">c181a No0114 3C345 gk RR.pdf</a></p> <p><a href="#">c181a No0114 3C345 gl LL.pdf</a>, <a href="#">c181a No0114 3C345 gl LR.pdf</a>,  <a href="#">c181a No0114 3C345 gl RL.pdf</a>, <a href="#">c181a No0114 3C345 gl RR.pdf</a></p> <p><a href="#">c181a No0114 3C345 go LL.pdf</a>, <a href="#">c181a No0114 3C345 go LR.pdf</a>,  <a href="#">c181a No0114 3C345 go RL.pdf</a>, <a href="#">c181a No0114 3C345 go RR.pdf</a></p> <p><a href="#">c181a No0114 3C345 gp LL.pdf</a>, <a href="#">c181a No0114 3C345 gp LR.pdf</a>,  <a href="#">c181a No0114 3C345 gp RL.pdf</a>, <a href="#">c181a No0114 3C345 gp RR.pdf</a></p>	
ALMA: Aa	A	yes	<p><a href="#">c181a FRINGE RfAnt Aa LLRR AllSrc.pdf</a></p> <p><a href="#">c181a No0024 3C279 AZ LL.pdf</a>, <a href="#">c181a No0024 3C279 AZ LR.pdf</a>,  <a href="#">c181a No0024 3C279 AZ RL.pdf</a>, <a href="#">c181a No0024 3C279 AZ RR.pdf</a></p> <p><a href="#">c181a No0029 3C279 Ap LL.pdf</a>, <a href="#">c181a No0029 3C279 Ap LR.pdf</a>,  <a href="#">c181a No0029 3C279 Ap RL.pdf</a>, <a href="#">c181a No0029 3C279 Ap RR.pdf</a></p> <p><a href="#">c181a No0032 3C279 AX LL.pdf</a>, <a href="#">c181a No0032 3C279 AX LR.pdf</a>,  <a href="#">c181a No0032 3C279 AX RL.pdf</a>, <a href="#">c181a No0032 3C279 AX RR.pdf</a></p> <p><a href="#">c181a No0035 3C279 AB LL.pdf</a>, <a href="#">c181a No0035 3C279 AB LR.pdf</a>,  <a href="#">c181a No0035 3C279 AB RL.pdf</a>, <a href="#">c181a No0035 3C279 AB RR.pdf</a></p>	<p>Observed in linear polarization, converted to circular polarization in post-correlation using PolConvert. For technical reasons the atmospheric correction was applied twice -- both in original ALMA data and during the correlation. Although a special</p>

Station	Code	Fringes	Plots	Comments
			<p><a href="#">c181a No0035 3C279 Ab LL.pdf</a>, <a href="#">c181a No0035 3C279 Ab LR.pdf</a>,  <a href="#">c181a No0035 3C279 Ab RL.pdf</a>, <a href="#">c181a No0035 3C279 Ab RR.pdf</a></p> <p><a href="#">c181a No0035 3C279 Af LL.pdf</a>, <a href="#">c181a No0035 3C279 Af LR.pdf</a>,  <a href="#">c181a No0035 3C279 Af RL.pdf</a>, <a href="#">c181a No0035 3C279 Af RR.pdf</a></p> <p><a href="#">c181a No0035 3C279 AG LL.pdf</a>, <a href="#">c181a No0035 3C279 AG LR.pdf</a>,  <a href="#">c181a No0035 3C279 AG RL.pdf</a>, <a href="#">c181a No0035 3C279 AG RR.pdf</a></p> <p><a href="#">c181a No0035 3C279 An LL.pdf</a>, <a href="#">c181a No0035 3C279 An LR.pdf</a>,  <a href="#">c181a No0035 3C279 An RL.pdf</a>, <a href="#">c181a No0035 3C279 An RR.pdf</a></p> <p><a href="#">c181a No0035 3C279 Ao LL.pdf</a>, <a href="#">c181a No0035 3C279 Ao LR.pdf</a>,  <a href="#">c181a No0035 3C279 Ao RL.pdf</a>, <a href="#">c181a No0035 3C279 Ao RR.pdf</a></p> <p><a href="#">c181a No0199 3C273 AB LL.pdf</a>, <a href="#">c181a No0199 3C273 AB LR.pdf</a>,  <a href="#">c181a No0199 3C273 AB RL.pdf</a>, <a href="#">c181a No0199 3C273 AB RR.pdf</a></p> <p><a href="#">c181a No0208 3C273 AB LL.pdf</a>, <a href="#">c181a No0208 3C273 AB LR.pdf</a>,  <a href="#">c181a No0208 3C273 AB RL.pdf</a>, <a href="#">c181a No0208 3C273 AB RR.pdf</a></p> <p><a href="#">c181a No0208 3C273 Af LL.pdf</a>, <a href="#">c181a No0208 3C273 Af LR.pdf</a>,  <a href="#">c181a No0208 3C273 Af RL.pdf</a>, <a href="#">c181a No0208 3C273 Af RR.pdf</a></p> <p><a href="#">c181a No0208 3C273 An LL.pdf</a>, <a href="#">c181a No0208 3C273 An LR.pdf</a>,  <a href="#">c181a No0208 3C273 An RL.pdf</a>, <a href="#">c181a No0208 3C273 An RR.pdf</a></p> <p><a href="#">c181a No0208 3C273 Ao LL.pdf</a>, <a href="#">c181a No0208 3C273 Ao LR.pdf</a>,  <a href="#">c181a No0208 3C273 Ao RL.pdf</a>, <a href="#">c181a No0208 3C273 Ao RR.pdf</a></p> <p><a href="#">c181a No0208 3C273 Ap LL.pdf</a>, <a href="#">c181a No0208 3C273 Ap LR.pdf</a>,  <a href="#">c181a No0208 3C273 Ap RL.pdf</a>, <a href="#">c181a No0208 3C273 Ap RR.pdf</a></p> <p><a href="#">c181a No0208 3C273 AP LL.pdf</a>, <a href="#">c181a No0208 3C273 AP LR.pdf</a>,  <a href="#">c181a No0208 3C273 AP RL.pdf</a>, <a href="#">c181a No0208 3C273 AP RR.pdf</a></p> <p><a href="#">c181a No0208 3C273 AX LL.pdf</a>, <a href="#">c181a No0208 3C273 AX LR.pdf</a>,  <a href="#">c181a No0208 3C273 AX RL.pdf</a>, <a href="#">c181a No0208 3C273 AX RR.pdf</a></p> <p><a href="#">c181a No0208 3C273 AY LL.pdf</a>, <a href="#">c181a No0208 3C273 AY LR.pdf</a>,  <a href="#">c181a No0208 3C273 AY RL.pdf</a>, <a href="#">c181a No0208 3C273 AY RR.pdf</a></p> <p><a href="#">c181a No0208 3C273 AZ LL.pdf</a>, <a href="#">c181a No0208 3C273 AZ LR.pdf</a>,  <a href="#">c181a No0208 3C273 AZ RL.pdf</a>, <a href="#">c181a No0208 3C273 AZ RR.pdf</a></p> <p><a href="#">c181a No0215 3C273 Ab LL.pdf</a>, <a href="#">c181a No0215 3C273 Ab LR.pdf</a>,  <a href="#">c181a No0215 3C273 Ab RL.pdf</a>, <a href="#">c181a No0215 3C273 Ab RR.pdf</a></p> <p><a href="#">c181a No0215 3C273 Ag LL.pdf</a>, <a href="#">c181a No0215 3C273 Ag LR.pdf</a>,  <a href="#">c181a No0215 3C273 Ag RL.pdf</a>, <a href="#">c181a No0215 3C273 Ag RR.pdf</a></p>	<p>procedure was developed to compensate for this, we found that its application leads to other difficulties, in particular to abnormally high fringe rate jumps, so in the final production run the double atmospheric correction was left as is.</p>

Station	Code	Fringes	Plots	Comments
			<a href="#">c181a_No0220_3C273_Ag_LL.pdf</a> , <a href="#">c181a_No0220_3C273_Ag_LR.pdf</a> , <a href="#">c181a_No0220_3C273_Ag_RL.pdf</a> , <a href="#">c181a_No0220_3C273_Ag_RR.pdf</a>  <a href="#">c181a_No0215_3C273_AG_LL.pdf</a> , <a href="#">c181a_No0215_3C273_AG_LR.pdf</a> , <a href="#">c181a_No0215_3C273_AG_RL.pdf</a> , <a href="#">c181a_No0215_3C273_AG_RR.pdf</a>  <a href="#">c181a_No0220_3C273_AG_LL.pdf</a> , <a href="#">c181a_No0220_3C273_AG_LR.pdf</a> , <a href="#">c181a_No0220_3C273_AG_RL.pdf</a> , <a href="#">c181a_No0220_3C273_AG_RR.pdf</a>  <a href="#">c181a_No0220_3C273_AP_LL.pdf</a> , <a href="#">c181a_No0220_3C273_AP_LR.pdf</a> , <a href="#">c181a_No0220_3C273_AP_RL.pdf</a> , <a href="#">c181a_No0220_3C273_AP_RR.pdf</a>  <a href="#">c181a_No0047_3C279_Am_LL.pdf</a> , <a href="#">c181a_No0047_3C279_Am_LR.pdf</a> , <a href="#">c181a_No0047_3C279_Am_RL.pdf</a> , <a href="#">c181a_No0047_3C279_Am_RR.pdf</a>	
KVN: Kt	t	no	<a href="#">c181a_FRINGE_RfAnt_Kt_LLRR_AllSrc.pdf</a>  -----	no fringes detected
KVN: Ku	u	yes	<a href="#">c181a_FRINGE_RfAnt_Ku_LLRR_AllSrc.pdf</a>  <a href="#">c181a_No0134_1633+38_uy_LL.pdf</a> , <a href="#">c181a_No0134_1633+38_uy_LR.pdf</a> , <a href="#">c181a_No0134_1633+38_uy_RL.pdf</a> , <a href="#">c181a_No0134_1633+38_uy_RR.pdf</a>	only weak KuKy fringes in scans 134 and 136
KVN: Ky	y	yes	<a href="#">c181a_FRINGE_RfAnt_Ky_LLRR_AllSrc.pdf</a>  <a href="#">c181a_No0134_1633+38_uy_LL.pdf</a> , <a href="#">c181a_No0134_1633+38_uy_LR.pdf</a> , <a href="#">c181a_No0134_1633+38_uy_RL.pdf</a> , <a href="#">c181a_No0134_1633+38_uy_RR.pdf</a>	only weak KuKy fringes in scans 134 and 136

## Notes

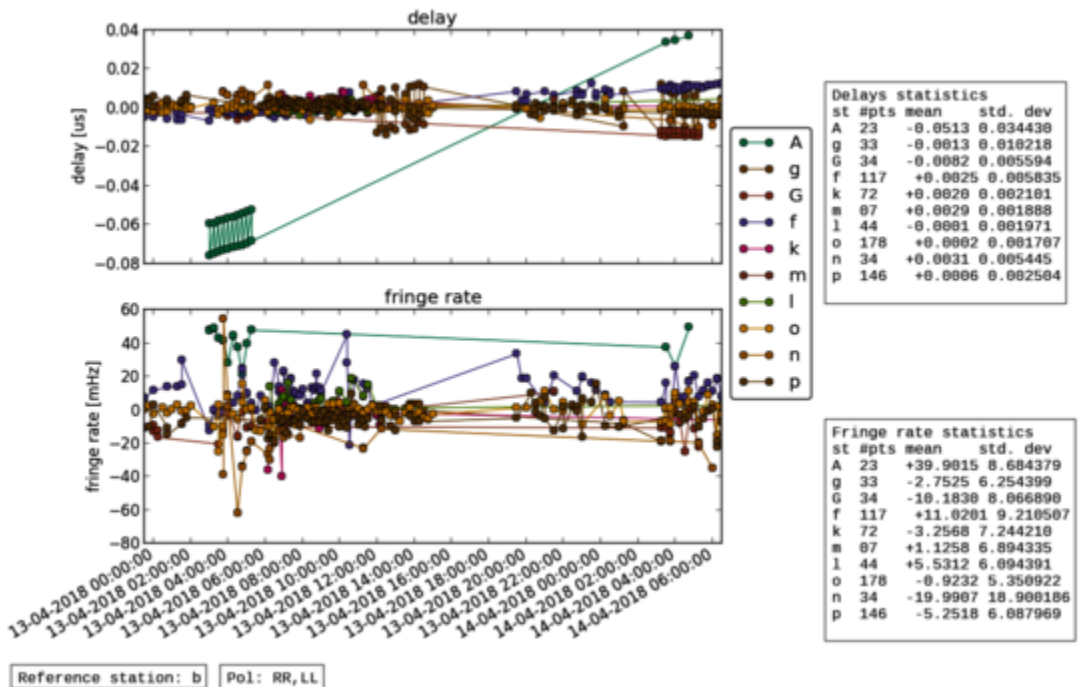
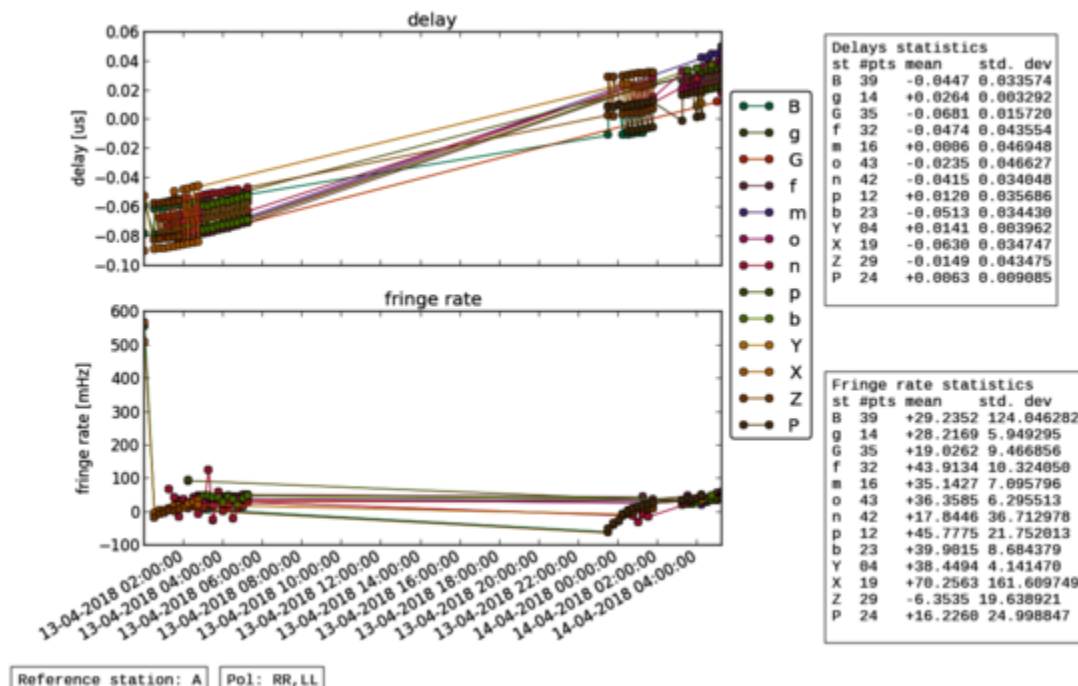
There were problems with some diagnostic plots of this experiment due to yet poorly understood errors of fourfit and other HOPS components. But this does not change the quality of the final correlation product. *(These issues were **fixed** in the second data release of 31/01/2019)*

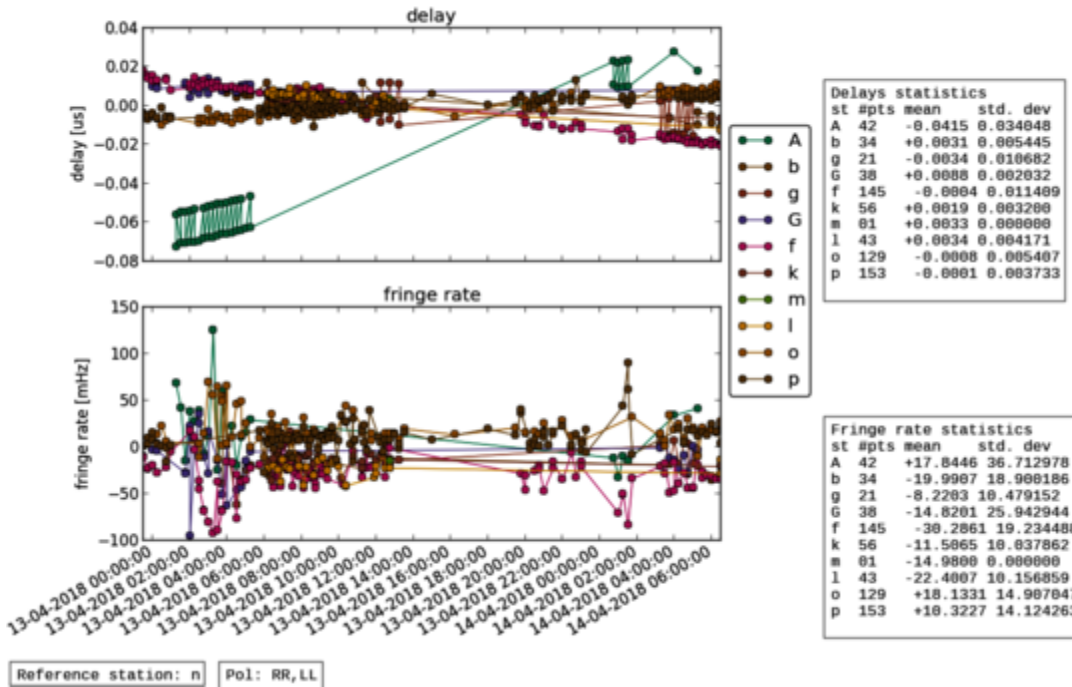
GLT participated in this session for the first time as a test, and serious problems were detected when analysing its data. Be very careful when using them.

For technical reasons the correlation output is saved as 7 different fits files, see their content below in the pclist section.

## Post-Correlation checks

Residuals





**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

**c181a\_setup1.fits:**

				GB	EF	ON	YS	PV	MH	AA	AA	GL	NL	FD	PT	LA	OV	KP	BR	MK	KY	KU	KT
c181a_001D2D	No0002	3C279	3mm_RDBE	.	o	o	x	x	o	x	x	.	.	.	.	.	.	.	.	.	.	.	.
c181a_002D2D	No0003	OJ287	3mm_RDBE	o	.	.	.	.	.	.	.	x	76	76	76	76	76	76	76	.	.	.	.
c181a_003D2D	No0004	3C279	3mm_RDBE	.	o	o	x	x	o	x	x	.	.	.	.	.	.	.	.	.	.	.	.
c181a_004D2D	No0005	OJ287	3mm_RDBE	o	.	.	.	.	.	.	.	x	76	76	76	76	76	76	76	.	.	.	.
c181a_005D2D	No0007	3C279	3mm_RDBE	.	o	o	x	x	o	42	42	.	.	.	.	.	.	.	.	.	.	.	.
c181a_006D2D	No0008	OJ287	3mm_RDBE	o	.	.	.	.	.	.	.	x	76	76	76	76	85	76	85	85	.	.	.
c181a_007D2D	No0009	3C279	3mm_RDBE	.	o	o	x	x	o	x	x	.	.	.	.	.	.	.	.	.	.	.	.
c181a_008D2D	No0010	OJ287	3mm_RDBE	o	.	.	.	.	.	.	.	x	66	66	66	66	66	66	66	66	.	.	.
c181a_009D2D	No0012	3C279	3mm_RDBE	o	o	o	x	x	o	o	o	.	.	.	.	.	.	.	.	.	.	.	.
c181a_010D2D	No0013	OJ287	3mm_RDBE	.	.	.	.	.	.	.	.	x	66	66	66	66	66	66	66	66	.	.	.
c181a_011D2D	No0015	3C279	3mm_RDBE	o	o	o	x	x	o	o	o	.	.	.	.	.	.	.	.	.	.	.	.
c181a_012D2D	No0016	OJ287	3mm_RDBE	.	.	.	.	.	.	.	.	x	76	76	76	76	76	76	76	76	.	.	.
c181a_013D2D	No0017	3C279	3mm_RDBE	o	o	o	x	x	o	o	o	.	.	.	.	.	.	.	.	.	.	.	.
c181a_014D2D	No0018	OJ287	3mm_RDBE	.	.	.	.	.	.	.	.	x	76	76	76	76	76	76	76	76	.	.	.
c181a_015D2D	No0019	3C279	3mm_RDBE	o	o	o	x	x	o	o	o	.	80	.	.	.	.	.	.	.	.	.	.
c181a_016D2D	No0020	OJ287	3mm_RDBE	.	.	.	.	.	.	.	.	x	.	76	76	76	76	76	76	76	.	.	.

c181a_017D2D	No0022	3C279	3mm_RDBE	o	o	o	x	x	o	o	o	.	66	.	.	.	.	.	.	.	.	.	.	.
c181a_018D2D	No0023	OJ287	3mm_RDBE	.	.	.	.	.	.	.	.	x	.	76	76	76	76	76	76	76	.	.	.	
c181a_019D2D	No0024	3C279	3mm_RDBE	o	o	o	x	x	o	o	o	.	80	80	.	.	.	.	.	.	.	.	.	
c181a_020D2D	No0025	OJ287	3mm_RDBE	.	.	.	.	.	.	.	.	x	.	.	76	76	76	76	76	76	.	.	.	
c181a_021D2D	No0027	3C279	3mm_RDBE	o	o	o	x	x	.	o	o	.	66	66	.	.	.	.	.	.	.	.	.	
c181a_022D2D	No0028	OJ287	3mm_RDBE	.	.	.	.	.	.	.	.	x	.	.	76	76	76	76	76	76	.	.	.	
c181a_023D2D	No0029	3C279	3mm_RDBE	o	o	o	x	x	.	o	o	.	80	80	80	80	.	80	.	.	.	.	.	
c181a_024D2D	No0031	3C279	3mm_RDBE	o	o	o	x	x	.	o	o	.	66	66	x	66	80	66	.	.	.	.	.	
c181a_025D2D	No0032	3C279	3mm_RDBE	o	o	o	x	x	.	o	o	.	66	66	x	66	80	66	.	.	.	.	.	
c181a_026D2D	No0034	3C279	3mm_RDBE	o	o	.	x	x	.	o	o	.	66	66	x	66	85	66	85	.	.	.	.	
c181a_027D2D	No0035	3C279	3mm_RDBE	o	o	.	x	x	.	o	o	.	66	66	x	66	85	66	85	.	.	.	.	
c181a_028D2D	No0037	3C279	3mm_RDBE	o	.	.	x	x	.	95	95	.	66	66	x	66	85	66	85	.	.	.	.	
c181a_029D2D	No0038	3C279	3mm_RDBE	o	.	.	x	x	.	o	o	.	66	66	x	66	66	66	66	.	.	.	.	
c181a_030D2D	No0039	3C279	3mm_RDBE	o	.	.	x	x	.	o	o	.	66	66	x	66	66	66	66	.	.	.	.	
c181a_031D2D	No0041	3C345	3mm_RDBE	.	o	o	.	.	o	.	.	x	.	.	.	.	.	.	.	.	.	.	.	
c181a_032D2D	No0042	3C279	3mm_RDBE	o	.	.	.	.	.	o	o	.	66	66	x	66	66	66	66	.	.	.	.	
c181a_033D2D	No0043	3C345	3mm_RDBE	.	o	o	x	x	o	.	.	x	.	.	.	.	.	.	.	.	.	.	.	
c181a_034D2D	No0045	3C279	3mm_RDBE	o	.	.	.	.	.	o	o	.	66	66	x	66	90	66	90	x	.	.	.	
c181a_035D2D	No0046	3C345	3mm_RDBE	.	o	o	x	x	o	.	.	x	.	.	.	.	.	.	.	.	.	.	.	
c181a_036D2D	No0047	3C279	3mm_RDBE	o	.	.	.	.	.	o	o	.	66	66	x	66	90	66	90	90	.	.	.	
c181a_037D2D	No0048	3C345	3mm_RDBE	.	o	o	x	x	o	.	.	x	.	.	.	.	.	.	.	.	.	.	.	
c181a_038D2D	No0050	3C279	3mm_RDBE	o	.	.	.	.	.	o	o	.	66	66	x	66	90	66	90	90	.	.	.	
c181a_039D2D	No0051	3C345	3mm_RDBE	.	o	o	x	x	o	.	.	x	.	.	.	.	.	.	.	.	.	.	.	
c181a_040D2D	No0052	3C279	3mm_RDBE	o	.	.	.	.	.	o	o	.	76	76	x	76	76	76	76	76	.	.	.	
c181a_041D2D	No0054	3C345	3mm_RDBE	.	o	o	x	o	o	.	.	x	.	.	.	.	.	.	.	.	.	.	.	
c181a_042D2D	No0055	3C345	3mm_RDBE	.	o	o	x	o	o	.	.	x	86	86	x	80	80	86	80	.	.	.	.	
c181a_043D2D	No0056	1510-089	3mm_RDBE	.	.	.	.	.	.	.	.	.	33	33	25	33	o	33	o	.	.	.	.	
c181a_044D2D	No0057	1633+38	3mm_RDBE	.	o	o	x	o	o	.	.	x	53	53	53	53	o	53	o	.	.	.	.	
c181a_045D2D	No0058	1510-089	3mm_RDBE	.	.	.	.	.	.	.	.	.	25	25	25	25	o	25	o	.	.	.	.	
c181a_046D2D	No0059	3C345	3mm_RDBE	.	o	o	x	o	o	.	.	x	53	53	53	53	o	53	o	.	.	.	.	
c181a_047D2D	No0060	1510-089	3mm_RDBE	.	.	.	.	.	.	.	.	.	25	25	25	25	o	25	o	.	.	.	.	
c181a_048D2D	No0061	1633+38	3mm_RDBE	.	o	o	o	o	o	.	.	x	o	o	o	o	o	o	o	.	.	.	.	
c181a_049D2D	No0062	1510-089	3mm_RDBE	.	.	.	.	.	.	.	.	.	o	o	o	o	o	o	o	.	.	.	.	
c181a_050D2D	No0063	3C345	3mm_RDBE	.	o	o	o	o	o	.	.	x	o	o	o	o	o	o	o	.	.	.	.	
c181a_051D2D	No0064	1510-089	3mm_RDBE	.	.	.	.	.	.	.	.	.	o	o	o	o	o	o	o	.	.	.	.	
c181a_053D2D	No0066	1510-089	3mm_RDBE	.	.	.	.	.	.	.	.	.	o	o	o	o	o	o	o	.	.	.	.	
c181a_055D2D	No0068	1510-089	3mm_RDBE	.	.	.	.	.	.	.	.	.	o	o	o	o	o	o	o	.	.	.	.	
c181a_057D2D	No0070	1510-089	3mm_RDBE	.	.	.	.	.	.	.	.	.	o	o	o	o	o	o	o	.	.	.	.	
c181a_059D2D	No0072	1510-089	3mm_RDBE	.	.	.	.	.	.	.	.	.	o	o	o	o	o	o	o	.	.	.	.	
c181a_061D2D	No0074	1510-089	3mm_RDBE	.	.	.	.	.	.	.	.	.	o	o	o	o	o	o	o	.	.	.	.	
c181a_063D2D	No0076	1510-089	3mm_RDBE	.	.	.	.	.	.	.	.	.	o	o	o	o	o	o	o	.	.	.	.	
c181a_065D2D	No0078	1510-089	3mm_RDBE	.	.	.	.	.	.	.	.	.	o	o	o	o	o	o	o	.	.	.	.	
c181a_067D2D	No0080	1510-089	3mm_RDBE	.	.	.	.	.	.	.	.	.	o	o	o	o	o	o	o	.	.	.	.	
c181a_069D2D	No0082	1510-089	3mm_RDBE	.	.	.	.	.	.	.	.	.	o	o	o	o	o	o	o	.	.	.	.	
c181a_071D2D	No0084	1510-089	3mm_RDBE	.	.	.	.	.	.	.	.	.	o	o	o	o	o	o	o	.	.	.	.	
c181a_073D2D	No0086	1510-089	3mm_RDBE	.	.	.	.	.	.	.	.	.	o	o	o	o	o	o	o	.	.	.	.	
c181a_075D2D	No0088	1510-089	3mm_RDBE	.	.	.	.	.	.	.	.	.	o	o	o	o	o	o	o	.	.	.	.	
c181a_077D2D	No0090	1510-089	3mm_RDBE	.	.	.	.	.	.	.	.	.	o	o	o	o	o	o	o	.	.	.	.	
c181a_079D2D	No0092	1510-089	3mm_RDBE	.	.	.	.	.	.	.	.	.	o	o	o	o	o	o	o	.	.	.	.	
c181a_081D2D	No0094	1510-089	3mm_RDBE	.	.	.	.	.	.	.	.	.	o	o	o	o	o	o	o	.	.	.	.	





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c181a_178D2D No0193 0235+164 3mm_RDBE . . . . . . . . x 83 83 83 83 86 83 86 86 . . .
c181a_180D2D No0195 0235+164 3mm_RDBE . . . . . . . . x . 83 83 83 86 83 86 86 . . .
c181a_182D2D No0198 0235+164 3mm_RDBE . . . . . . . . x . 83 83 83 86 83 86 86 . . .
c181a_184D2D No0201 0235+164 3mm_RDBE . . . . . . . . o . 83 83 83 86 83 86 86 . . .
c181a_186D2D No0203 0235+164 3mm_RDBE . . . . . . . . o . . 83 83 86 83 86 86 . . .
c181a_188D2D No0205 0235+164 3mm_RDBE . . . . . . . . o . . . . 86 83 86 86 . . .
c181a_196D2D No0215 3C273 3mm_RDBE o . . o o . o o o 66 66 44 66 83 66 83 . . .
c181a_197D2D No0217 3C273 3mm_RDBE o . . o o . o o o 71 71 42 71 71 71 71 . . .
c181a_198D2D No0218 3C273 3mm_RDBE o . . o o . o o o 71 71 52 71 71 71 71 . . .
c181a_199D2D No0219 3C273 3mm_RDBE o . . o o . o o o 71 71 09 71 85 71 85 23 . . .
c181a_200D2D No0220 3C273 3mm_RDBE o . . o o . o o o 66 66 66 66 83 66 83 83 . . .
c181a_201D2D No0222 3C273 3mm_RDBE o . . . . . o o o 71 71 71 71 90 71 90 90 . . .
c181a_202D2D No0223 3C273 3mm_RDBE o . . . . . o o o 71 71 71 71 85 71 85 85 . . .
c181a_203D2D No0224 3C273 3mm_RDBE o . . . . . o o o 71 71 71 71 85 71 85 85 . . .
c181a_204D2D No0225 3C273 3mm_RDBE o . . . . . o o o 71 71 71 71 71 71 71 71 . . .
c181a_205D2D No0226 3C273 3mm_RDBE . . . . . . . . . 80 80 80 80 80 80 80 80 . . .
c181a_206D2D No0227 3C273 3mm_RDBE . . . . . . . . . 80 80 80 80 80 80 80 80 . . .
c181a_207D2D No0228 3C273 3mm_RDBE . . . . . . . . . 80 80 80 80 80 80 80 80 . . .
c181a_208D2D No0229 3C273 3mm_RDBE . . . . . . . . . 80 80 80 80 80 80 80 80 . . .
c181a_209D2D No0230 3C273 3mm_RDBE . . . . . . . . . 60 60 60 60 60 60 60 60 . . .

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**c181a\_setup2.fits:**

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GB EF ON YS PV MH AA AA GL NL FD PT LA OV KP BR MK KY KU KT
c181a_052D2D No0065 1633+38 3mm_RDBE . o o o o o . . x o o o o o o o . . .
c181a_054D2D No0067 3C345 3mm_RDBE . o o o o o . . x o o o o o o o . . .
c181a_056D2D No0069 1633+38 3mm_RDBE . o o o o o . . x o o o o o o o . . .
c181a_058D2D No0071 3C345 3mm_RDBE . o o o o o . . x o o o o o o o o . . .
c181a_060D2D No0073 1633+38 3mm_RDBE . o o o o o . . x o o o o o o o o . . .

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**c181a\_setup3.fits:**

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GB EF ON YS PV MH AA AA GL NL FD PT LA OV KP BR MK KY KU KT
c181a_062D2D No0075 3C345 3mm_RDBE . o o o o o . . x o o o o o o o o . . .
c181a_064D2D No0077 1633+38 3mm_RDBE . o o o o o . . x o o o o o o o o . . .

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**c181a\_setup4.fits:**

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GB EF ON YS PV MH AA AA GL NL FD PT LA OV KP BR MK KY KU KT
c181a_066D2D No0079 3C345 3mm_RDBE . o o o o o . . x o o o o o o o o . . .
c181a_068D2D No0081 1633+38 3mm_RDBE . o o o o o . . x o o o o o o o o . . .
c181a_070D2D No0083 3C345 3mm_RDBE . o o o o o . . x o o o o o o o o . . .
c181a_072D2D No0085 1633+38 3mm_RDBE . o o o o o . . x o o o o o o o o . . .

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**c181a\_setup5.fits:**

				GB	EF	ON	YS	PV	MH	AA	AA	GL	NL	FD	PT	LA	OV	KP	BR	MK	KY	KU	KT
c181a_074D2D	No0087	3C345	3mm_RDBE	.	o	o	o	o	o	.	.	x	o	o	o	o	o	o	o	o	.	.	.
c181a_076D2D	No0089	1633+38	3mm_RDBE	.	o	o	o	o	o	.	.	x	o	o	o	o	o	o	o	o	.	.	.
c181a_078D2D	No0091	3C345	3mm_RDBE	.	o	o	o	o	o	.	.	x	o	o	o	o	o	o	o	o	.	.	.

**c181a\_setup6.fits:**

				GB	EF	ON	YS	PV	MH	AA	AA	GL	NL	FD	PT	LA	OV	KP	BR	MK	KY	KU	KT	
c181a_080D2D	No0093	1633+38	3mm_RDBE	.	o	o	o	o	o	.	.	x	66	66	66	66	66	66	66	66	66	.	.	.
c181a_082D2D	No0095	3C345	3mm_RDBE	.	o	o	o	o	o	.	.	x	o	o	o	o	60	o	60	60	.	.	.	
c181a_084D2D	No0097	1633+38	3mm_RDBE	.	.	o	o	.	o	.	.	x	o	o	o	o	60	o	60	60	.	.	.	
c181a_086D2D	No0099	3C345	3mm_RDBE	.	.	o	.	.	o	.	.	x	o	o	o	o	60	o	60	60	.	.	.	
c181a_094D2D	No0107	0235+164	3mm_RDBE	.	o	o	o	o	o	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
c181a_097D2D	No0110	3C120	3mm_RDBE	.	o	o	o	o	o	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
c181a_100D2D	No0113	0235+164	3mm_RDBE	.	o	o	o	o	o	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
c181a_103D2D	No0116	3C120	3mm_RDBE	.	o	o	o	o	o	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
c181a_106D2D	No0119	0235+164	3mm_RDBE	.	o	o	o	o	o	.	.	.	.	.	.	.	.	.	.	.	.	.	.	

**c181a\_setup7.fits:**

				GB	EF	ON	YS	PV	MH	AA	AA	GL	NL	FD	PT	LA	OV	KP	BR	MK	KY	KU	KT
c181a_108D2D	No0121	3C120	3mm_RDBE	.	o	o	o	o	o	.	.	.	.	.	.	.	.	.	.	.	.	.	.
c181a_110D2D	No0123	0235+164	3mm_RDBE	.	o	o	o	o	o	.	.	.	.	.	.	.	.	.	.	.	.	.	.
c181a_112D2D	No0125	3C120	3mm_RDBE	.	o	o	o	o	o	.	.	.	.	.	.	.	.	.	.	.	.	.	.
c181a_114D2D	No0127	0235+164	3mm_RDBE	.	o	o	o	o	o	.	.	.	76	.	.	.	.	.	.	.	.	.	.
c181a_116D2D	No0129	0235+164	3mm_RDBE	.	o	o	o	o	o	.	.	.	76	.	.	.	.	.	.	.	.	.	.
c181a_118D2D	No0131	0235+164	3mm_RDBE	.	o	o	o	o	o	.	.	.	76	.	.	.	.	.	.	.	.	.	.
c181a_120D2D	No0133	0235+164	3mm_RDBE	.	o	o	o	o	o	.	.	.	76	.	.	.	.	.	.	.	.	.	.
c181a_122D2D	No0135	0235+164	3mm_RDBE	.	o	o	o	o	o	.	.	.	95	95	.	95	.	.	.	.	.	.	.
c181a_125D2D	No0138	0235+164	3mm_RDBE	.	o	o	o	o	o	.	.	x	71	71	71	71	71	71	71	.	.	.	.
c181a_126D2D	No0139	0235+164	3mm_RDBE	.	o	o	o	o	o	.	.	x	71	71	71	71	71	71	71	.	.	.	.
c181a_127D2D	No0140	0235+164	3mm_RDBE	.	o	o	o	o	o	.	.	x	71	71	71	71	71	71	71	.	.	.	.
c181a_128D2D	No0141	0235+164	3mm_RDBE	.	o	o	o	o	o	.	.	x	71	71	71	71	71	71	71	.	.	.	.
c181a_133D2D	No0146	3C120	3mm_RDBE	.	o	o	o	o	o	.	.	x	71	71	71	71	.	.	.	.	.	.	.
c181a_134D2D	No0147	0235+164	3mm_RDBE	.	o	90	o	o	o	.	.	x	76	76	76	76	71	76	71	.	.	.	.
c181a_135D2D	No0148	3C120	3mm_RDBE	.	o	o	o	o	o	.	.	x	71	71	71	71	71	71	.	.	.	.	.
c181a_136D2D	No0149	0235+164	3mm_RDBE	.	o	o	o	o	o	.	.	x	76	76	76	76	71	76	71	.	.	.	.
c181a_137D2D	No0150	3C120	3mm_RDBE	.	o	o	o	o	o	.	.	x	71	71	71	71	71	71	71	.	.	.	.
c181a_138D2D	No0151	0235+164	3mm_RDBE	.	o	o	o	o	.	.	.	x	76	76	76	76	90	76	90	90	.	.	.
c181a_139D2D	No0152	3C120	3mm_RDBE	.	o	o	o	o	.	.	.	x	71	71	71	71	71	71	71	.	.	.	.
c181a_141D2D	No0154	3C120	3mm_RDBE	.	o	o	o	o	.	.	.	x	71	71	71	71	71	71	71	.	.	.	.
c181a_143D2D	No0156	3C120	3mm_RDBE	.	o	o	o	o	.	.	.	x	71	71	71	71	71	71	71	.	.	.	.
c181a_146D2D	No0159	3C273	3mm_RDBE	.	o	o	o	o	o	.	.	.	.	.	.	.	.	.	.	.	.	.	.
c181a_148D2D	No0161	3C279	3mm_RDBE	.	o	o	o	o	o	.	.	.	.	.	.	.	.	.	.	.	.	.	.
c181a_150D2D	No0163	3C273	3mm_RDBE	.	o	o	o	o	o	.	.	.	.	.	.	.	.	.	.	.	.	.	.
c181a_152D2D	No0165	3C279	3mm_RDBE	.	o	o	o	o	o	.	.	.	.	.	.	.	.	.	.	.	.	.	.
c181a_154D2D	No0167	3C273	3mm_RDBE	.	o	o	o	o	o	.	.	.	.	.	.	.	.	.	.	.	.	.	.
c181a_156D2D	No0169	3C279	3mm_RDBE	.	o	o	o	o	o	.	.	.	.	.	.	.	.	.	.	.	.	.	.

c181a_158D2D	No0171	3C273	3mm	RDBE	.	o	o	o	o	o	.	.	.	.	.	.	.	.
c181a_160D2D	No0173	3C279	3mm	RDBE	.	o	o	o	o	o	.	.	.	.	.	.	.	.
c181a_162D2D	No0175	3C273	3mm	RDBE	.	o	o	o	o	o	.	.	.	.	.	.	.	.
c181a_164D2D	No0177	3C279	3mm	RDBE	.	o	o	o	o	o	.	.	.	.	.	.	.	.
c181a_166D2D	No0179	3C273	3mm	RDBE	.	o	o	o	o	o	.	.	.	.	.	.	.	.
c181a_168D2D	No0181	3C279	3mm	RDBE	.	o	o	o	o	o	.	.	.	.	.	.	.	.
c181a_170D2D	No0183	3C273	3mm	RDBE	.	o	o	o	o	o	.	.	.	.	.	.	.	.
c181a_172D2D	No0185	3C273	3mm	RDBE	.	o	o	o	o	o	.	.	.	.	.	.	.	.
c181a_173D2D	No0187	3C273	3mm	RDBE	o	o	o	o	o	o	o	.	.	.	.	.	.	.
c181a_175D2D	No0189	3C273	3mm	RDBE	o	o	o	o	o	o	o	.	.	.	.	.	.	.
c181a_177D2D	No0192	3C279	3mm	RDBE	o	o	o	o	o	o	o	.	.	.	.	.	.	.
c181a_179D2D	No0194	3C273	3mm	RDBE	o	o	o	o	o	o	o	.	77	.	.	.	.	.
c181a_181D2D	No0197	3C273	3mm	RDBE	o	o	o	o	o	o	o	.	80	.	.	.	.	.
c181a_183D2D	No0199	3C273	3mm	RDBE	o	o	o	o	o	o	o	.	77	.	.	.	.	.
c181a_185D2D	No0202	3C273	3mm	RDBE	95	o	o	o	o	o	o	.	85	85	.	.	.	.
c181a_187D2D	No0204	3C273	3mm	RDBE	o	o	o	o	o	o	o	.	77	77	77	77	.	.
c181a_189D2D	No0207	3C273	3mm	RDBE	o	o	o	o	o	o	o	.	80	80	80	80	.	80
c181a_190D2D	No0208	3C273	3mm	RDBE	o	o	o	o	o	o	o	.	80	80	80	80	80	.
c181a_191D2D	No0209	3C273	3mm	RDBE	o	o	o	o	o	o	o	.	80	80	80	80	80	80
c181a_192D2D	No0210	3C273	3mm	RDBE	o	o	o	o	o	.	o	o	o	83	83	83	83	77
c181a_193D2D	No0212	3C273	3mm	RDBE	o	o	o	o	o	.	o	o	o	71	71	04	71	80
c181a_194D2D	No0213	3C273	3mm	RDBE	o	o	o	o	o	.	o	o	o	71	71	x	71	80
c181a_195D2D	No0214	3C273	3mm	RDBE	o	o	o	o	o	.	o	o	o	71	71	47	71	85