

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
- 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>c181a FRINGE RfAnt Ef LLRR AllSrc.pdf</p> <p>Examples of fourfit fringe plots:</p> <p>preliminary:</p> <p>c181a_No0055_3C345_BP_LL.pdf, c181a_No0055_3C345_BP_LR.pdf, c181a_No0055_3C345_BP_RL.pdf, c181a_No0055_3C345_BP_RR.pdf.</p> <p>final:</p> <p>c181a_No0035_3C279_AB_LL.pdf, c181a_No0035_3C279_AB_LR.pdf, c181a_No0035_3C279_AB_RL.pdf, c181a_No0035_3C279_AB_RR.pdf</p> <p>c181a_No0199_3C273_AB_LL.pdf, c181a_No0199_3C273_AB_LR.pdf, c181a_No0199_3C273_AB_RL.pdf, c181a_No0199_3C273_AB_RR.pdf</p> <p>c181a_No0208_3C273_AB_LL.pdf, c181a_No0208_3C273_AB_LR.pdf, c181a_No0208_3C273_AB_RL.pdf, c181a_No0208_3C273_AB_RR.pdf</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>c181a FRINGE RfAnt On LLRR AllSrc.pdf</p> <p>preliminary:</p> <p>c181a No0055 3C345 XP LL.pdf, c181a No0055 3C345 XP LR.pdf, c181a No0055 3C345 XP RL.pdf, c181a No0055 3C345 XP RR.pdf.</p> <p>final:</p> <p>c181a No0032 3C279 AX LL.pdf, c181a No0032 3C279 AX LR.pdf, c181a No0032 3C279 AX RL.pdf, c181a No0032 3C279 AX RR.pdf</p> <p>c181a No0208 3C273 AX LL.pdf, c181a No0208 3C273 AX LR.pdf, c181a No0208 3C273 AX RL.pdf, c181a No0208 3C273 AX RR.pdf</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>c181a FRINGE RfAnt Ys LLRR AllSrc.pdf</p> <p>c181a No0208 3C273 AY LL.pdf, c181a No0208 3C273 AY LR.pdf, c181a No0208 3C273 AY RL.pdf, c181a No0208 3C273 AY RR.pdf</p> <p>c181a No0220 3C273 gY LL.pdf, c181a No0220 3C273 gY LR.pdf, 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	c181a FRINGE RfAnt Mh LLRR AllSrc.pdf	In the plots EVN is "missing" all the

Station	Code	Fringes	Plots	Comments
			<p>preliminary:</p> <p>c181a_No0055_3C345_ZP_LL.pdf, c181a_No0055_3C345_ZP_LR.pdf, c181a_No0055_3C345_ZP_RL.pdf, c181a_No0055_3C345_ZP_RR.pdf.</p> <p>final:</p> <p>c181a_No0024_3C279_AZ_LL.pdf, c181a_No0024_3C279_AZ_LR.pdf, c181a_No0024_3C279_AZ_RL.pdf, c181a_No0024_3C279_AZ_RR.pdf c181a_No0208_3C273_AZ_LL.pdf, c181a_No0208_3C273_AZ_LR.pdf, c181a_No0208_3C273_AZ_RL.pdf, c181a_No0208_3C273_AZ_RR.pdf</p>	<p>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>
Pv	P	yes	<p>c181a_FRINGE_RfAnt_Pv_LLRR_AllSrc.pdf</p> <p>preliminary:</p> <p>c181a_No0055_3C345_BP_LL.pdf, c181a_No0055_3C345_BP_LR.pdf, c181a_No0055_3C345_BP_RL.pdf, c181a_No0055_3C345_BP_RR.pdf.</p> <p>c181a_No0055_3C345_XP_LL.pdf, c181a_No0055_3C345_XP_LR.pdf, c181a_No0055_3C345_XP_RL.pdf, c181a_No0055_3C345_XP_RR.pdf.</p> <p>c181a_No0055_3C345_ZP_LL.pdf, c181a_No0055_3C345_ZP_LR.pdf, c181a_No0055_3C345_ZP_RL.pdf, c181a_No0055_3C345_ZP_RR.pdf.</p> <p>c181a_No0055_3C345_fP_LL.pdf, c181a_No0055_3C345_fP_RR.pdf, no LR or RL fringes</p> <p>c181a_No0055_3C345_oP_LL.pdf, c181a_No0055_3C345_oP_LR.pdf, no RL fringe, c181a_No0055_3C345_oP_RR.pdf.</p> <p>final:</p> <p>c181a_No0208_3C273_AP_LL.pdf, c181a_No0208_3C273_AP_LR.pdf, c181a_No0208_3C273_AP_RL.pdf, c181a_No0208_3C273_AP_RR.pdf c181a_No0220_3C273_AP_LL.pdf, c181a_No0220_3C273_AP_LR.pdf, c181a_No0220_3C273_AP_RL.pdf, c181a_No0220_3C273_AP_RR.pdf c181a_No0220_3C273_gP_LL.pdf, c181a_No0220_3C273_gP_LR.pdf, c181a_No0220_3C273_gP_RL.pdf, c181a_No0220_3C273_gP_RR.pdf</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>c181a_FRINGE_RfAnt_Br_LLRR_AllSrc.pdf</p> <p>preliminary:</p> <p>c181a_No0039_3C279_bG_LL.pdf, c181a_No0039_3C279_bG_LR.pdf, no RL fringe, c181a_No0039_3C279_bG_RR.pdf</p>	<p>all VLBA stations were starting recording late, software glitch: low data weight, possible other problems</p>

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

Station	Code	Fringes	Plots	Comments
			<p>preliminary:</p> <p>c181a_No0039_3C279_fg_LL.pdf, c181a_No0039_3C279_fg_LR.pdf, c181a_No0039_3C279_fg_RL.pdf, c181a_No0039_3C279_fg_RR.pdf.</p> <p>c181a_No0055_3C345_fp_LL.pdf, c181a_No0055_3C345_fp_RR.pdf, no LR or RL fringe</p> <p>final:</p> <p>c181a_No0035_3C279_Af_LL.pdf, c181a_No0035_3C279_Af_LR.pdf, c181a_No0035_3C279_Af_RL.pdf, c181a_No0035_3C279_Af_RR.pdf</p> <p>c181a_No0208_3C273_Af_LL.pdf, c181a_No0208_3C273_Af_LR.pdf, c181a_No0208_3C273_Af_RL.pdf, c181a_No0208_3C273_Af_RR.pdf</p> <p>c181a_No0008_OJ287_fp_LL.pdf, c181a_No0008_OJ287_fp_LR.pdf, c181a_No0008_OJ287_fp_RL.pdf, c181a_No0008_OJ287_fp_RR.pdf</p> <p>c181a_No0010_OJ287_fp_LL.pdf, c181a_No0010_OJ287_fp_LR.pdf, c181a_No0010_OJ287_fp_RL.pdf, c181a_No0010_OJ287_fp_RR.pdf</p> <p>c181a_No0047_3C279_fm_LL.pdf, c181a_No0047_3C279_fm_RR.pdf, no LR or RL fringes</p> <p>c181a_No0052_3C279_bf_LL.pdf, c181a_No0052_3C279_bf_LR.pdf, c181a_No0052_3C279_bf_RL.pdf, c181a_No0052_3C279_bf_RR.pdf</p> <p>c181a_No0052_3C279_bG_LL.pdf, c181a_No0052_3C279_bG_LR.pdf, c181a_No0052_3C279_bG_RL.pdf, c181a_No0052_3C279_bG_RR.pdf</p> <p>c181a_No0220_3C273_fG_LL.pdf, c181a_No0220_3C273_fG_LR.pdf, c181a_No0220_3C273_fG_RL.pdf, c181a_No0220_3C273_fG_RR.pdf</p> <p>c181a_No0230_3C273_fp_LL.pdf, c181a_No0230_3C273_fp_LR.pdf, c181a_No0230_3C273_fp_RL.pdf, c181a_No0230_3C273_fp_RR.pdf</p> <p>c181a_No0065_1633+38_bf_LL.pdf, c181a_No0065_1633+38_bf_RR.pdf, no LR or RL fringe</p>	<p>software glitch: low data weight, possible other problems</p>
VLBA: Kp	k	yes	<p>c181a_FRINGE_RfAnt_Kp_LLRR_AllSrc.pdf</p> <p>c181a_No0230_3C273_kp_LL.pdf, c181a_No0230_3C273_kp_LR.pdf, c181a_No0230_3C273_kp_RL.pdf, c181a_No0230_3C273_kp_RR.pdf</p> <p>c181a_No0065_1633+38_bk_LL.pdf, c181a_No0065_1633+38_bk_LR.pdf, no RL fringe, c181a_No0065_1633+38_bk_RR.pdf</p>	<p>all VLBA stations were starting recording late, software glitch: low data weight, possible other problems</p>

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

Station	Code	Fringes	Plots	Comments
			<p>c181a No0010 OJ287 np LL.pdf, c181a No0010 OJ287 np RR.pdf, no LR or RL fringes</p> <p>c181a No0052 3C279 bn LL.pdf, c181a No0052 3C279 bn LR.pdf, c181a No0052 3C279 bn RL.pdf, c181a No0052 3C279 bn RR.pdf</p> <p>c181a No0220 3C273 gn LL.pdf, c181a No0220 3C273 gn LR.pdf, c181a No0220 3C273 gn RL.pdf, c181a No0220 3C273 gn RR.pdf</p> <p>c181a No0220 3C273 Gn LL.pdf, c181a No0220 3C273 Gn LR.pdf, c181a No0220 3C273 Gn RL.pdf, c181a No0220 3C273 Gn RR.pdf</p> <p>c181a No0065 1633+38 bn LL.pdf, c181a No0065 1633+38 bn RR.pdf, no LR or RL fringes</p>	
VLBA: Ov	0	yes	<p>c181a FRINGE RfAnt Ov LLRR AllSrc.pdf</p> <p>preliminary:</p> <p>c181a No0055 3C345 oP LL.pdf, c181a No0055 3C345 oP LR.pdf, no RL fringe, c181a No0055 3C345 oP RR.pdf.</p> <p>c181a No0039 3C279 Go LL.pdf, no LR fringe, c181a No0039 3C279 Go RL.pdf, c181a No0039 3C279 Go RR.pdf.</p> <p>final:</p> <p>c181a No0035 3C279 Ao LL.pdf, c181a No0035 3C279 Ao LR.pdf, c181a No0035 3C279 Ao RL.pdf, c181a No0035 3C279 Ao RR.pdf</p> <p>c181a No0208 3C273 Ao LL.pdf, c181a No0208 3C273 Ao LR.pdf, c181a No0208 3C273 Ao RL.pdf, c181a No0208 3C273 Ao RR.pdf</p> <p>c181a No0008 OJ287 op LL.pdf, c181a No0008 OJ287 op LR.pdf, c181a No0008 OJ287 op RL.pdf, c181a No0008 OJ287 op RR.pdf</p> <p>c181a No0010 OJ287 op LL.pdf, c181a No0010 OJ287 op RR.pdf, no LR or RL fringes</p> <p>c181a No0052 3C279 bo LL.pdf, no LR fringe, c181a No0052 3C279 bo RL.pdf, c181a No0052 3C279 bo RR.pdf</p> <p>c181a No0220 3C273 go LL.pdf, c181a No0220 3C273 go LR.pdf, c181a No0220 3C273 go RL.pdf, c181a No0220 3C273 go RR.pdf</p> <p>c181a No0220 3C273 Go LL.pdf, c181a No0220 3C273 Go LR.pdf, c181a No0220 3C273 Go RL.pdf, c181a No0220 3C273 Go RR.pdf</p>	all VLBA stations were starting recording late, software glitch: low data weight, possible other problems

Station	Code	Fringes	Plots	Comments
			<p>c181a No0065 1633+38 bo LL.pdf, c181a No0065 1633+38 bo RR.pdf, no LR or RL fringes</p> <p>c181a No0114 3C345 go LL.pdf, c181a No0114 3C345 go LR.pdf, c181a No0114 3C345 go RL.pdf, c181a No0114 3C345 go RR.pdf</p>	
VLBA: Pt	p	yes	<p>c181a FRINGE RfAnt Pt LLRR AllSrc.pdf</p> <p>preliminary:</p> <p>c181a No0120 3C345 gp LL.pdf, c181a No0120 3C345 gp LR.pdf, c181a No0120 3C345 gp RL.pdf, c181a No0120 3C345 gp RR.pdf</p> <p>c181a No0225 3C273 gp LL.pdf, c181a No0225 3C273 gp LR.pdf, c181a No0225 3C273 gp RL.pdf, c181a No0225 3C273 gp RR.pdf</p> <p>final:</p> <p>c181a No0029 3C279 Ap LL.pdf, c181a No0029 3C279 Ap LR.pdf, c181a No0029 3C279 Ap RL.pdf, c181a No0029 3C279 Ap RR.pdf</p> <p>c181a No0208 3C273 Ap LL.pdf, c181a No0208 3C273 Ap LR.pdf, c181a No0208 3C273 Ap RL.pdf, c181a No0208 3C273 Ap RR.pdf</p> <p>c181a No0008 OJ287 bp LL.pdf, c181a No0008 OJ287 bp RR.pdf, no LR or RL fringe</p> <p>c181a No0008 OJ287 fp LL.pdf, c181a No0008 OJ287 fp LR.pdf, c181a No0008 OJ287 fp RL.pdf, c181a No0008 OJ287 fp RR.pdf</p> <p>c181a No0008 OJ287 Gp LL.pdf, c181a No0008 OJ287 Gp LR.pdf, c181a No0008 OJ287 Gp RL.pdf, c181a No0008 OJ287 Gp RR.pdf</p> <p>c181a No0010 OJ287 Gp LL.pdf, c181a No0010 OJ287 Gp LR.pdf, no RL fringe, c181a No0010 OJ287 Gp RR.pdf</p> <p>c181a No0008 OJ287 mp LL.pdf, no LR, RL or RR fringe</p> <p>c181a No0008 OJ287 np LL.pdf, c181a No0008 OJ287 np RR.pdf, no LR or RL fringes</p> <p>c181a No0008 OJ287 op LL.pdf, c181a No0008 OJ287 op LR.pdf, c181a No0008 OJ287 op RL.pdf, c181a No0008 OJ287 op RR.pdf</p> <p>c181a No0010 OJ287 fp LL.pdf, c181a No0010 OJ287 fp LR.pdf, c181a No0010 OJ287 fp RL.pdf, c181a No0010 OJ287 fp RR.pdf</p> <p>c181a No0010 OJ287 np LL.pdf, c181a No0010 OJ287 np RR.pdf, 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>c181a No0010 OJ287_op_LL.pdf, c181a No0010 OJ287_op_RR.pdf, no LR or RL fringes</p> <p>c181a No0230 3C273 mp_LL.pdf, c181a No0230 3C273 mp_RR.pdf, no LR or RL fringes</p> <p>c181a No0230 3C273 kp_LL.pdf, c181a No0230 3C273 kp_LR.pdf, c181a No0230 3C273 kp_RL.pdf, c181a No0230 3C273 kp_RR.pdf</p> <p>c181a No0230 3C273 lp_LL.pdf, c181a No0230 3C273 lp_LR.pdf, c181a No0230 3C273 lp_RL.pdf, c181a No0230 3C273 lp_RR.pdf</p> <p>c181a No0230 3C273 fp_LL.pdf, c181a No0230 3C273 fp_LR.pdf, c181a No0230 3C273 fp_RL.pdf, c181a No0230 3C273 fp_RR.pdf</p> <p>c181a No0065 1633+38 bp_LL.pdf, c181a No0065 1633+38 bp_LR.pdf, no RL fringe, c181a No0065 1633+38 bp_RR.pdf</p> <p>c181a No0114 3C345 gp_LL.pdf, c181a No0114 3C345 gp_LR.pdf, c181a No0114 3C345 gp_RL.pdf, c181a No0114 3C345 gp_RR.pdf</p>	
GBT: Gb	G	yes	<p>c181a FRINGE RfAnt Gb LLRR AllSrc.pdf</p> <p>preliminary:</p> <p>c181a No0039 3C279 bG_LL.pdf, c181a No0039 3C279 bG_LR.pdf, no RL fringe, c181a No0039 3C279 bG_RR.pdf.</p> <p>c181a No0039 3C279 fG_LL.pdf, c181a No0039 3C279 fG_LR.pdf, c181a No0039 3C279 fG_RL.pdf, c181a No0039 3C279 fG_RR.pdf.</p> <p>c181a No0225 3C273 Gg_LL.pdf, c181a No0225 3C273 Gg_LR.pdf, c181a No0225 3C273 Gg_RL.pdf, c181a No0225 3C273 Gg_RR.pdf</p> <p>c181a No0039 3C279 Gn_LL.pdf, c181a No0039 3C279 Gn_RR.pdf, no LR or RL fringe</p> <p>c181a No0039 3C279 Go_LL.pdf, no LR fringe, c181a No0039 3C279 Go_RL.pdf, c181a No0039 3C279 Go_RR.pdf.</p> <p>final:</p> <p>c181a No0035 3C279 AG_LL.pdf, c181a No0035 3C279 AG_LR.pdf, c181a No0035 3C279 AG_RL.pdf, c181a No0035 3C279 AG_RR.pdf</p> <p>c181a No0215 3C273 AG_LL.pdf, c181a No0215 3C273 AG_LR.pdf, c181a No0215 3C273 AG_RL.pdf, c181a No0215 3C273 AG_RR.pdf</p>	

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

Station	Code	Fringes	Plots	Comments
			<p>final:</p> <p>c181a No0215 3C273 Ag LL.pdf, c181a No0215 3C273 Ag LR.pdf, c181a No0215 3C273 Ag RL.pdf, c181a No0215 3C273 Ag RR.pdf</p> <p>c181a No0220 3C273 Ag LL.pdf, c181a No0220 3C273 Ag LR.pdf, c181a No0220 3C273 Ag RL.pdf, c181a No0220 3C273 Ag RR.pdf</p> <p>c181a No0220 3C273 gY LL.pdf, c181a No0220 3C273 gY LR.pdf, no RL or RR fringes</p> <p>c181a No0220 3C273 gP LL.pdf, c181a No0220 3C273 gP LR.pdf, c181a No0220 3C273 gP RL.pdf, c181a No0220 3C273 gP RR.pdf</p> <p>c181a No0220 3C273 Gg LL.pdf, c181a No0220 3C273 Gg LR.pdf, c181a No0220 3C273 Gg RL.pdf, c181a No0220 3C273 Gg RR.pdf</p> <p>c181a No0220 3C273 gn LL.pdf, c181a No0220 3C273 gn LR.pdf, c181a No0220 3C273 gn RL.pdf, c181a No0220 3C273 gn RR.pdf</p> <p>c181a No0220 3C273 go LL.pdf, c181a No0220 3C273 go LR.pdf, c181a No0220 3C273 go RL.pdf, c181a No0220 3C273 go RR.pdf</p> <p>c181a No0114 3C345 gk LL.pdf, c181a No0114 3C345 gk LR.pdf, c181a No0114 3C345 gk RL.pdf, c181a No0114 3C345 gk RR.pdf</p> <p>c181a No0114 3C345 gl LL.pdf, c181a No0114 3C345 gl LR.pdf, c181a No0114 3C345 gl RL.pdf, c181a No0114 3C345 gl RR.pdf</p> <p>c181a No0114 3C345 go LL.pdf, c181a No0114 3C345 go LR.pdf, c181a No0114 3C345 go RL.pdf, c181a No0114 3C345 go RR.pdf</p> <p>c181a No0114 3C345 gp LL.pdf, c181a No0114 3C345 gp LR.pdf, c181a No0114 3C345 gp RL.pdf, c181a No0114 3C345 gp RR.pdf</p>	
ALMA: Aa	A	yes	<p>c181a FRINGE RfAnt Aa LLRR AllSrc.pdf</p> <p>c181a No0024 3C279 AZ LL.pdf, c181a No0024 3C279 AZ LR.pdf, c181a No0024 3C279 AZ RL.pdf, c181a No0024 3C279 AZ RR.pdf</p> <p>c181a No0029 3C279 Ap LL.pdf, c181a No0029 3C279 Ap LR.pdf, c181a No0029 3C279 Ap RL.pdf, c181a No0029 3C279 Ap RR.pdf</p> <p>c181a No0032 3C279 AX LL.pdf, c181a No0032 3C279 AX LR.pdf, c181a No0032 3C279 AX RL.pdf, c181a No0032 3C279 AX RR.pdf</p> <p>c181a No0035 3C279 AB LL.pdf, c181a No0035 3C279 AB LR.pdf, c181a No0035 3C279 AB RL.pdf, c181a No0035 3C279 AB RR.pdf</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>c181a No0035 3C279 Ab LL.pdf, c181a No0035 3C279 Ab LR.pdf, c181a No0035 3C279 Ab RL.pdf, c181a No0035 3C279 Ab RR.pdf</p> <p>c181a No0035 3C279 Af LL.pdf, c181a No0035 3C279 Af LR.pdf, c181a No0035 3C279 Af RL.pdf, c181a No0035 3C279 Af RR.pdf</p> <p>c181a No0035 3C279 AG LL.pdf, c181a No0035 3C279 AG LR.pdf, c181a No0035 3C279 AG RL.pdf, c181a No0035 3C279 AG RR.pdf</p> <p>c181a No0035 3C279 An LL.pdf, c181a No0035 3C279 An LR.pdf, c181a No0035 3C279 An RL.pdf, c181a No0035 3C279 An RR.pdf</p> <p>c181a No0035 3C279 Ao LL.pdf, c181a No0035 3C279 Ao LR.pdf, c181a No0035 3C279 Ao RL.pdf, c181a No0035 3C279 Ao RR.pdf</p> <p>c181a No0199 3C273 AB LL.pdf, c181a No0199 3C273 AB LR.pdf, c181a No0199 3C273 AB RL.pdf, c181a No0199 3C273 AB RR.pdf</p> <p>c181a No0208 3C273 AB LL.pdf, c181a No0208 3C273 AB LR.pdf, c181a No0208 3C273 AB RL.pdf, c181a No0208 3C273 AB RR.pdf</p> <p>c181a No0208 3C273 Af LL.pdf, c181a No0208 3C273 Af LR.pdf, c181a No0208 3C273 Af RL.pdf, c181a No0208 3C273 Af RR.pdf</p> <p>c181a No0208 3C273 An LL.pdf, c181a No0208 3C273 An LR.pdf, c181a No0208 3C273 An RL.pdf, c181a No0208 3C273 An RR.pdf</p> <p>c181a No0208 3C273 Ao LL.pdf, c181a No0208 3C273 Ao LR.pdf, c181a No0208 3C273 Ao RL.pdf, c181a No0208 3C273 Ao RR.pdf</p> <p>c181a No0208 3C273 Ap LL.pdf, c181a No0208 3C273 Ap LR.pdf, c181a No0208 3C273 Ap RL.pdf, c181a No0208 3C273 Ap RR.pdf</p> <p>c181a No0208 3C273 AP LL.pdf, c181a No0208 3C273 AP LR.pdf, c181a No0208 3C273 AP RL.pdf, c181a No0208 3C273 AP RR.pdf</p> <p>c181a No0208 3C273 AX LL.pdf, c181a No0208 3C273 AX LR.pdf, c181a No0208 3C273 AX RL.pdf, c181a No0208 3C273 AX RR.pdf</p> <p>c181a No0208 3C273 AY LL.pdf, c181a No0208 3C273 AY LR.pdf, c181a No0208 3C273 AY RL.pdf, c181a No0208 3C273 AY RR.pdf</p> <p>c181a No0208 3C273 AZ LL.pdf, c181a No0208 3C273 AZ LR.pdf, c181a No0208 3C273 AZ RL.pdf, c181a No0208 3C273 AZ RR.pdf</p> <p>c181a No0215 3C273 Ab LL.pdf, c181a No0215 3C273 Ab LR.pdf, c181a No0215 3C273 Ab RL.pdf, c181a No0215 3C273 Ab RR.pdf</p> <p>c181a No0215 3C273 Ag LL.pdf, c181a No0215 3C273 Ag LR.pdf, c181a No0215 3C273 Ag RL.pdf, c181a No0215 3C273 Ag RR.pdf</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
			c181a_No0220_3C273_Ag_LL.pdf , c181a_No0220_3C273_Ag_LR.pdf , c181a_No0220_3C273_Ag_RL.pdf , c181a_No0220_3C273_Ag_RR.pdf c181a_No0215_3C273_AG_LL.pdf , c181a_No0215_3C273_AG_LR.pdf , c181a_No0215_3C273_AG_RL.pdf , c181a_No0215_3C273_AG_RR.pdf c181a_No0220_3C273_AG_LL.pdf , c181a_No0220_3C273_AG_LR.pdf , c181a_No0220_3C273_AG_RL.pdf , c181a_No0220_3C273_AG_RR.pdf c181a_No0220_3C273_AP_LL.pdf , c181a_No0220_3C273_AP_LR.pdf , c181a_No0220_3C273_AP_RL.pdf , c181a_No0220_3C273_AP_RR.pdf c181a_No0047_3C279_Am_LL.pdf , c181a_No0047_3C279_Am_LR.pdf , c181a_No0047_3C279_Am_RL.pdf , c181a_No0047_3C279_Am_RR.pdf	
KVN: Kt	t	no	c181a_FRINGE_RfAnt_Kt_LLRR_AllSrc.pdf -----	no fringes detected
KVN: Ku	u	yes	c181a_FRINGE_RfAnt_Ku_LLRR_AllSrc.pdf c181a_No0134_1633+38_uy_LL.pdf , c181a_No0134_1633+38_uy_LR.pdf , c181a_No0134_1633+38_uy_RL.pdf , c181a_No0134_1633+38_uy_RR.pdf	only weak KuKy fringes in scans 134 and 136
KVN: Ky	y	yes	c181a_FRINGE_RfAnt_Ky_LLRR_AllSrc.pdf c181a_No0134_1633+38_uy_LL.pdf , c181a_No0134_1633+38_uy_LR.pdf , c181a_No0134_1633+38_uy_RL.pdf , c181a_No0134_1633+38_uy_RR.pdf	only weak KuKy fringes in scans 134 and 136

Notes

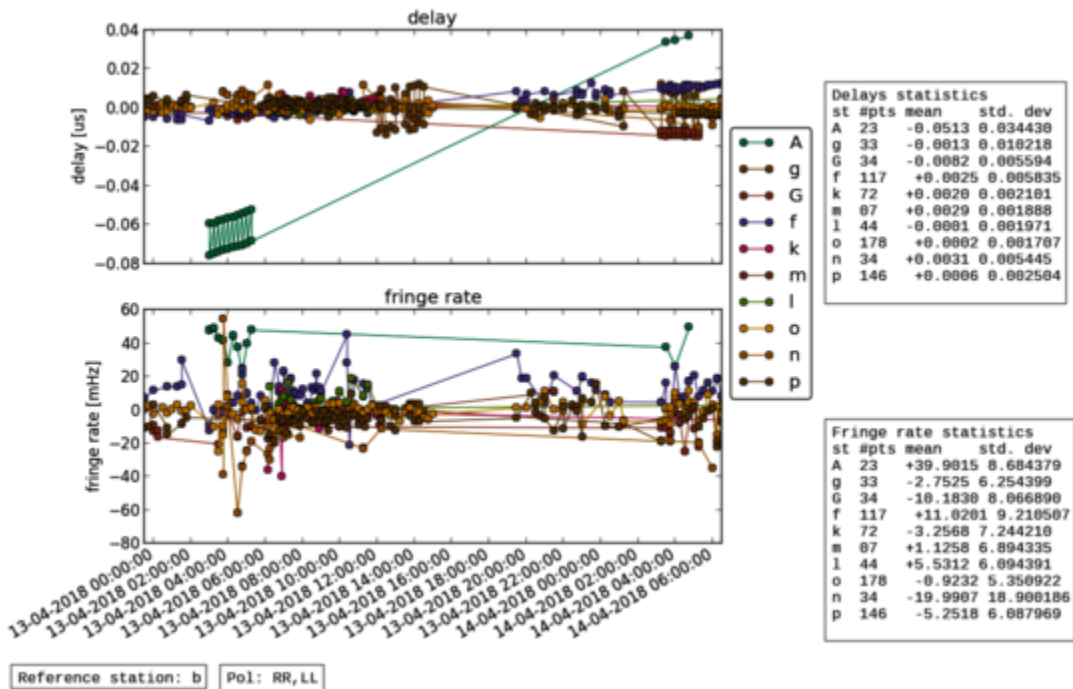
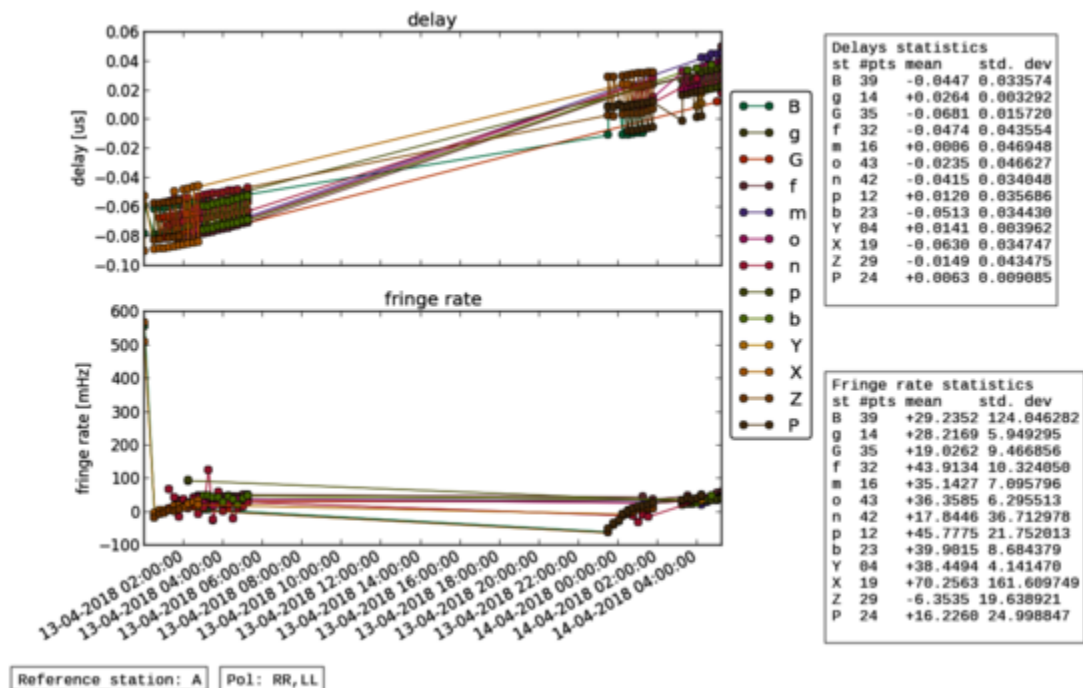
There were problems with some diagnostic plots of this experiment due to yet poorly understood errors of fourfit and other HOPS components. But this does not change the quality of the final correlation product. *(These issues were **fixed** in the second data release of 31/01/2019)*

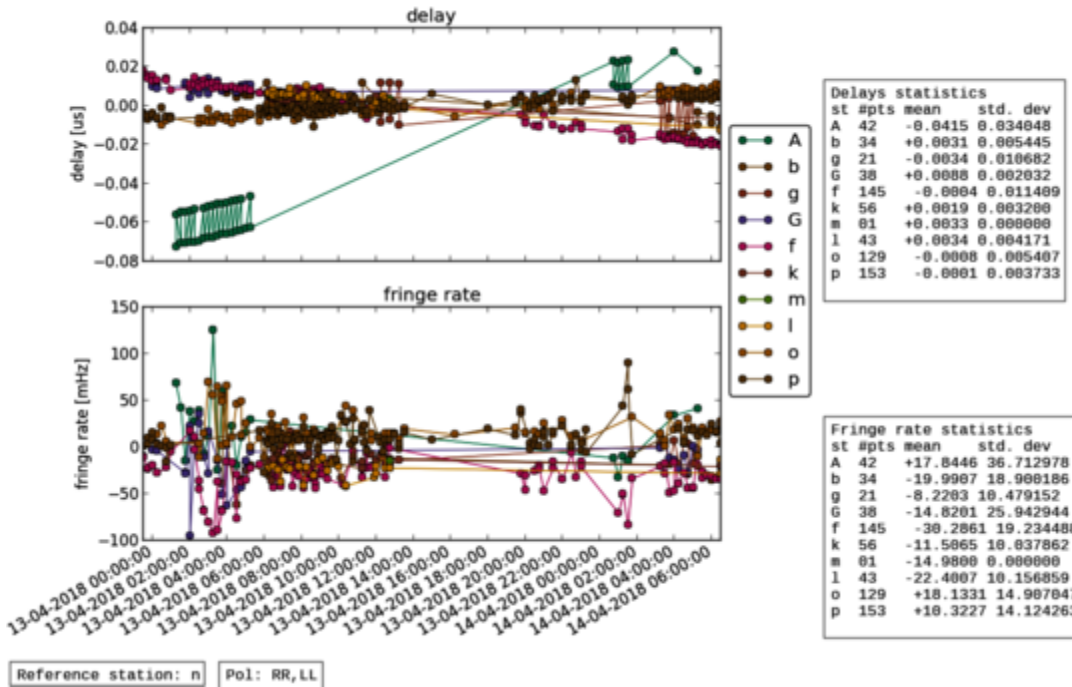
GLT participated in this session for the first time as a test, and serious problems were detected when analysing its data. Be very careful when using them.

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	.	.	.	.
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	.	.	.	.
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	.	.	.	.
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	.	.	.	.
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	.	.	.	.
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	.	.	.	.
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	.	.	.	.

				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	.	.	.	.	.	.	.	.	.	.	.	.	.	.

