

C172A/MH001C Correlation Report

General information

- Session info: <http://www3.mpifr-bonn.mpg.de/div/vlbi/globalmm/>
- Station feedback: http://www3.mpifr-bonn.mpg.de/div/vlbi/globalmm/sessions/sep17/feedback_sep17.asc
- C172A consists of only one subproject: MH001C.
- Interchanging 3mm and 7mm modes, with only VLBA stations participating in the 7mm part.
- Initial correlation done with all stations, second correlation (fix Effelsberg incorrect channel order) done without KVN and Mh due to local cluster data loss and stations having deleted their own copies of the data. Final version is a combination of these two correlations, with non-Ef baselines taken from the initial correlation and Ef baselines -- from the later one with Mh and KVN missing. Thus there are no Ef-Mh and Ef-KVN baselines in the final correlation product.

Fringes

Station	Code	Fringes	Plots	Comments
Ef	B	yes	<p>Fringe overview of all baselines 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>c172a_FRINGE_RfAnt_Ef_LLRR_AllSrc.pdf</p> <p>Examples of fourfit fringe plots:</p> <p>EfOn, all pols: c172a_No0030_3C84_BX_LL.pdf, c172a_No0030_3C84_BX_LR.pdf, c172a_No0030_3C84_BX_RL.pdf, c172a_No0030_3C84_BX_RR.pdf</p> <p>EfFd, || pols: c172a_No0065_3C84_Bf_LL.pdf, c172a_No0065_3C84_Bf_RR.pdf</p>	<p>3mm only, see general info about the missing Ef-Mh and Ef-KVN baselines.</p> <p>Effelsberg recorded with DBBC (Ef) and RDBE (Eb), but only Ef was correlated.</p> <p>Weather: day 271 (Sept 28) overcast, 272 (Sept 29) cloudy.</p>
On	X	yes	<p>Fringe overview (see Ef for explanations):</p> <p>c172a_FRINGE_RfAnt_On_LLRR_AllSrc.pdf</p> <p>Examples of fourfit fringe plots:</p> <p>OnOv, || pols: c172a_No0047_NRAO150_Xo_LL.pdf, c172a_No0047_NRAO150_Xo_RR.pdf</p> <p>MhOn, all pols: c172a_No0081_3C84_ZX_LL.pdf, c172a_No0081_3C84_ZX_LR.pdf, c172a_No0081_3C84_ZX_RL.pdf, c172a_No0081_3C84_ZX_RR.pdf</p>	<p>3mm only. See station feedback for detailed comments.</p>

Station	Code	Fringes	Plots	Comments
Ys	Y	yes	<p>Fringe overview (see Ef for explanations):</p> <p>c172a_FRINGE_RfAnt_Ys_LLRR_AllSrc.pdf</p> <p>Examples of fourfit fringe plots:</p> <p>EfYs, LL only:</p> <p>c172a_No0051_3C84_BY_LL.pdf</p> <p>OnYs, all pols:</p> <p>c172a_No0092_0716+714_XY_LL.pdf, c172a_No0092_0716+714_XY_LR.pdf, c172a_No0092_0716+714_XY_RL.pdf, c172a_No0092_0716+714_XY_RR.pdf</p> <p>MhYs, LL and LR:</p> <p>c172a_No0092_0716+714_ZY_LL.pdf, c172a_No0092_0716+714_ZY_LR.pdf</p>	3mm only. 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.
Mh	Z	yes	<p>Fringe overview (see Ef for explanations):</p> <p>c172a_FRINGE_RfAnt_Mh_LLRR_AllSrc.pdf</p> <p>Examples of fourfit fringe plots:</p> <p>MhOv, LL only (one of only a few fringes to a non-European antenna)</p> <p>c172a_No0083_3C84_Zo_LL.pdf</p> <p>MhOn, all pols:</p> <p>c172a_No0113_0716+714_ZX_LL.pdf, c172a_No0113_0716+714_ZX_LR.pdf, c172a_No0113_0716+714_ZX_RL.pdf, c172a_No0113_0716+714_ZX_RR.pdf</p>	3mm only. See the general info about the missing Ef-Mh fringes. Fringes mostly to other European antennas.
Br	b	yes	<p>3mm</p> <p>Fringe overviews (see Ef for explanations):</p> <p>c172a_3mm_FRINGE_RfAnt_Br_LLRR_AllSrc.pdf</p> <p>Examples of fourfit fringe plots:</p> <p>BrOv, all pols</p> <p>c172a_No0081_3C84_bo_LL.pdf, c172a_No0081_3C84_bo_LR.pdf, c172a_No0081_3C84_bo_RL.pdf, c172a_No0081_3C84_bo_RR.pdf</p> <p>BrEf, || pols</p> <p>c172a_No0067_NRAO150_bB_LL.pdf, c172a_No0067_NRAO150_bB_RR.pdf</p>	3mm + 7mm.

Station	Code	Fringes	Plots	Comments
			<p>7mm</p> <p>Fringe overviews (see Ef for explanations):</p> <p>c172a_7mm_FRINGE_RfAnt_Br_LLRR_AllSrc.pdf</p> <p>Examples of fourfit fringe plots:</p> <p>see all VLBA antennas below, Br is chosen as the reference for all 7mm fringe plots</p>	
Fd	f	yes	<p>3mm</p> <p>Fringe overviews (see Ef for explanations):</p> <p>c172a_3mm_FRINGE_RfAnt_Fd_LLRR_AllSrc.pdf</p> <p>Examples of fourfit fringe plots:</p> <p>FdPt, all pols:</p> <p>c172a_No0085_3C84_fp_LL.pdf, c172a_No0085_3C84_fp_LR.pdf, c172a_No0085_3C84_fp_RL.pdf, c172a_No0085_3C84_fp_RR.pdf</p> <p>EfFd, || pols:</p> <p>c172a_No0067_NRAO150_Bf_LL.pdf, c172a_No0067_NRAO150_Bf_RR.pdf</p> <p>7mm</p> <p>Fringe overviews (see Ef for explanations):</p> <p>c172a_7mm_FRINGE_RfAnt_Fd_LLRR_AllSrc.pdf</p> <p>Examples of fourfit fringe plots:</p> <p>BrFd, all pols:</p> <p>c172a_No0068_NRAO150_bf_LL.pdf, c172a_No0068_NRAO150_bf_LR.pdf, c172a_No0068_NRAO150_bf_RL.pdf, c172a_No0068_NRAO150_bf_RR.pdf</p>	<p>3mm + 7mm. Communications and power problems, but data for this experiment are mostly unaffected. Some rain.</p>
Kp	k	yes	<p>3mm</p> <p>Fringe overviews (see Ef for explanations):</p> <p>c172a_3mm_FRINGE_RfAnt_Kp_LLRR_AllSrc.pdf</p> <p>Examples of fourfit fringe plots:</p> <p>KpPt, all pols:</p>	<p>3mm + 7mm.</p>

Station	Code	Fringes	Plots	Comments
			<p>c172a_No0059_3C84_kp_LL.pdf, c172a_No0059_3C84_kp_LR.pdf, c172a_No0059_3C84_kp_RL.pdf, c172a_No0059_3C84_kp_RR.pdf</p> <p>EfKp, || pols:</p> <p>c172a_No0067_NRAO150_Bk_LL.pdf, c172a_No0067_NRAO150_Bk_RR.pdf</p> <p>7mm</p> <p>Fringe overviews (see Ef for explanations):</p> <p>c172a_7mm_FRINGE_RfAnt_Kp_LLRR_AllSrc.pdf</p> <p>Examples of fourfit fringe plots:</p> <p>BrKp, all pols:</p> <p>c172a_No0068_NRAO150_bk_LL.pdf, c172a_No0068_NRAO150_bk_LR.pdf, c172a_No0068_NRAO150_bk_RL.pdf, c172a_No0068_NRAO150_bk_RR.pdf</p>	
La	1	yes	<p>3mm</p> <p>Fringe overviews (see Ef for explanations):</p> <p>c172a_3mm_FRINGE_RfAnt_La_LLRR_AllSrc.pdf</p> <p>Examples of fourfit fringe plots:</p> <p>KpLa, all pols:</p> <p>c172a_No0051_3C84_kl_LL.pdf, c172a_No0051_3C84_kl_LR.pdf, c172a_No0051_3C84_kl_RL.pdf, c172a_No0051_3C84_kl_RR.pdf</p> <p>EfLa, || pols:</p> <p>c172a_No0067_NRAO150_Bl_LL.pdf, c172a_No0067_NRAO150_Bl_RR.pdf</p> <p>7mm</p> <p>Fringe overviews (see Ef for explanations):</p> <p>c172a_7mm_FRINGE_RfAnt_La_LLRR_AllSrc.pdf</p> <p>Examples of fourfit fringe plots:</p> <p>BrLa, all pols:</p> <p>c172a_No0068_NRAO150_bl_LL.pdf, c172a_No0068_NRAO150_bl_LR.pdf, c172a_No0068_NRAO150_bl_RL.pdf, c172a_No0068_NRAO150_bl_RR.pdf</p>	3mm + 7mm. Rain for most of this experiment.

Station	Code	Fringes	Plots	Comments
Mk	m	yes	<p>3mm</p> <p>Fringe overviews (see Ef for explanations):</p> <p>c172a_3mm_FRINGE_RfAnt_Mk_LLRR_AllSrc.pdf</p> <p>Examples of fourfit fringe plots:</p> <p>MkPt, all pols:</p> <p>c172a_No0071_3C84_mp_LL.pdf, c172a_No0071_3C84_mp_LR.pdf, c172a_No0071_3C84_mp_RL.pdf, c172a_No0071_3C84_mp_RR.pdf</p> <p>EfMk, || pols:</p> <p>c172a_No0067_NRAO150_Bm_LL.pdf, c172a_No0067_NRAO150_Bm_RR.pdf</p> <p>7mm</p> <p>Fringe overviews (see Ef for explanations):</p> <p>c172a_7mm_FRINGE_RfAnt_Mk_LLRR_AllSrc.pdf</p> <p>Examples of fourfit fringe plots:</p> <p>BrMk, all pols:</p> <p>c172a_No0068_NRAO150_bm_LL.pdf, c172a_No0068_NRAO150_bm_LR.pdf, c172a_No0068_NRAO150_bm_RL.pdf, c172a_No0068_NRAO150_bm_RR.pdf</p>	3mm + 7mm. Windy. occasional 35mph wind caution warnings.
Nl	n	yes	<p>3mm</p> <p>Fringe overviews (see Ef for explanations):</p> <p>c172a_3mm_FRINGE_RfAnt_Nl_LLRR_AllSrc.pdf</p> <p>Examples of fourfit fringe plots:</p> <p>NlPt, all pols:</p> <p>c172a_No0055_3C84_np_LL.pdf, c172a_No0055_3C84_np_LR.pdf, c172a_No0055_3C84_np_RL.pdf, c172a_No0055_3C84_np_RR.pdf</p> <p>EfNl, || pols:</p> <p>c172a_No0067_NRAO150_Bn_LL.pdf, c172a_No0067_NRAO150_Bn_RR.pdf</p> <p>7mm</p> <p>Fringe overviews (see Ef for explanations):</p> <p>c172a_7mm_FRINGE_RfAnt_Nl_LLRR_AllSrc.pdf</p>	3mm + 7mm.

Station	Code	Fringes	Plots	Comments
			<p>Examples of fourfit fringe plots:</p> <p>BrNl, all pols</p> <p>c172a_No0068_NRAO150_bn_LL.pdf, c172a_No0068_NRAO150_bn_LR.pdf, c172a_No0068_NRAO150_bn_RL.pdf, c172a_No0068_NRAO150_bn_RR.pdf</p>	
Ov	o	yes	<p>3mm</p> <p>Fringe overviews (see Ef for explanations):</p> <p>c172a_3mm_FRINGE_RfAnt_Ov_LLRR_AllSrc.pdf</p> <p>Examples of fourfit fringe plots:</p> <p>KpOv, all pols:</p> <p>c172a_No0069_3C84_ko_LL.pdf, c172a_No0069_3C84_ko_LR.pdf, c172a_No0069_3C84_ko_RL.pdf, c172a_No0069_3C84_ko_RR.pdf</p> <p>EfOv, || pols:</p> <p>c172a_No0067_NRAO150_Bo_LL.pdf, c172a_No0067_NRAO150_Bo_RR.pdf</p> <p>7mm</p> <p>Fringe overviews (see Ef for explanations):</p> <p>c172a_7mm_FRINGE_RfAnt_Ov_LLRR_AllSrc.pdf</p> <p>Examples of fourfit fringe plots:</p> <p>BrOv, all pols:</p> <p>c172a_No0068_NRAO150_bo_LL.pdf, c172a_No0068_NRAO150_bo_LR.pdf, c172a_No0068_NRAO150_bo_RL.pdf, c172a_No0068_NRAO150_bo_RR.pdf</p>	3mm + 7mm. 3mm Tsys high on RCP.
Pt	p	yes	<p>3mm</p> <p>Fringe overviews (see Ef for explanations):</p> <p>c172a_3mm_FRINGE_RfAnt_Pt_LLRR_AllSrc.pdf</p> <p>Examples of fourfit fringe plots:</p> <p>OvPt, all pols:</p> <p>c172a_No0085_3C84_op_LL.pdf, c172a_No0085_3C84_op_LR.pdf, c172a_No0085_3C84_op_RL.pdf, c172a_No0085_3C84_op_RR.pdf</p> <p>EfPt, || pols:</p>	3mm + 7mm. Taken out for several scans because of USNO observing.

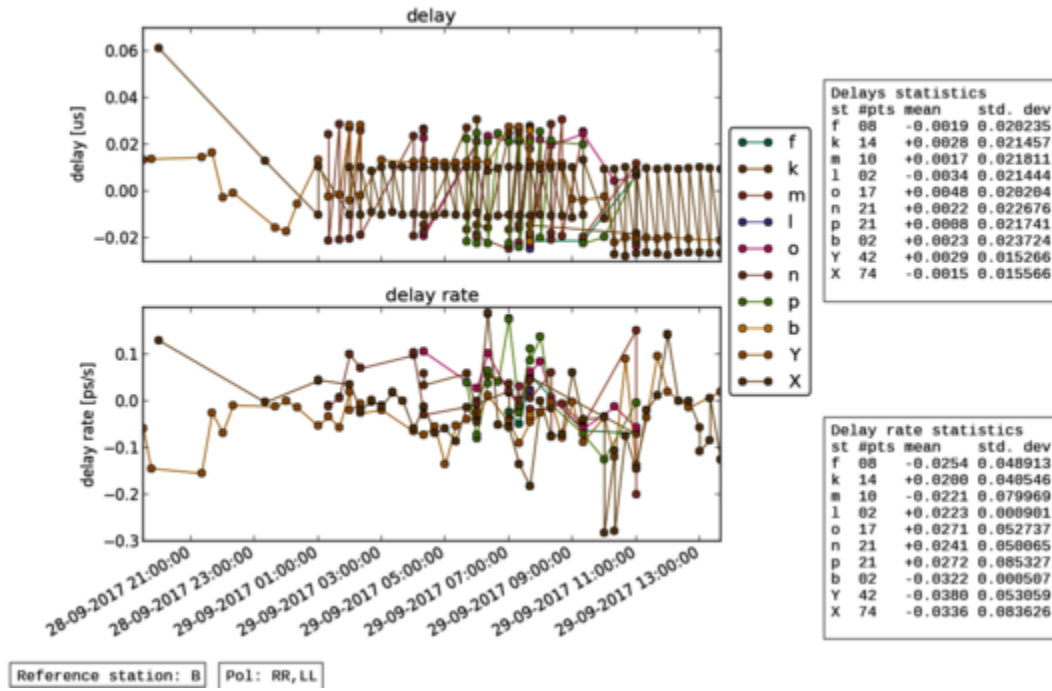
Station	Code	Fringes	Plots	Comments
			<p>c172a_No0067_NRAO150_Bp_LL.pdf, c172a_No0067_NRAO150_Bp_RR.pdf</p> <p>7mm</p> <p>Fringe overviews (see Ef for explanations):</p> <p>c172a_7mm_FRINGE_RfAnt_Pt_LLRR_AllSrc.pdf</p> <p>Examples of fourfit fringe plots:</p> <p>BrPt, all pols:</p> <p>c172a_No0068_NRAO150_bp_LL.pdf, c172a_No0068_NRAO150_bp_LR.pdf, c172a_No0068_NRAO150_bp_RL.pdf, c172a_No0068_NRAO150_bp_RR.pdf</p>	
KVN: Kt, Ku, Ky	t, u, y	yes	<p>Fringe overviews (see Ef for explanations):</p> <p>c172a_FRINGE_RfAnt_Kt_LLRR_AllSrc.pdf</p> <p>c172a_FRINGE_RfAnt_Ku_LLRR_AllSrc.pdf</p> <p>c172a_FRINGE_RfAnt_Ky_LLRR_AllSrc.pdf</p> <p>Examples of fourfit fringe plots:</p> <p>Inter-KVN fringes, all pols:</p> <p>KtKy, scan 1</p> <p>c172a_No0001_3C84_ty_LL.pdf, c172a_No0001_3C84_ty_LR.pdf, c172a_No0001_3C84_ty_RL.pdf, c172a_No0001_3C84_ty_RR.pdf</p> <p>KuKy, same scan</p> <p>c172a_No0001_3C84_uy_LL.pdf, c172a_No0001_3C84_uy_LR.pdf, c172a_No0001_3C84_uy_RL.pdf, c172a_No0001_3C84_uy_RR.pdf</p> <p>KtKy, scan 15, same source</p> <p>c172a_No0015_3C84_ty_LL.pdf, c172a_No0015_3C84_ty_LR.pdf, c172a_No0015_3C84_ty_RL.pdf, c172a_No0015_3C84_ty_RR.pdf</p> <p>KuKy, same scan</p> <p>c172a_No0015_3C84_uy_LL.pdf, c172a_No0015_3C84_uy_LR.pdf, c172a_No0015_3C84_uy_RL.pdf, c172a_No0015_3C84_uy_RR.pdf</p> <p>KyOn, all pols, one of only few fringes to non-KVN antennas</p> <p>c172a_No0008_NRAO150_yX_LL.pdf, c172a_No0008_NRAO150_yX_LR.pdf, c172a_No0008_NRAO150_yX_RL.pdf, c172a_No0008_NRAO150_yX_RR.pdf</p>	3 mm only. See the general info about the missing Ef-KVN fringes. Fringes mostly to other KVN antennas. SNR in cross-pol fringes is similar to that in parallel-pol ones.

Notes

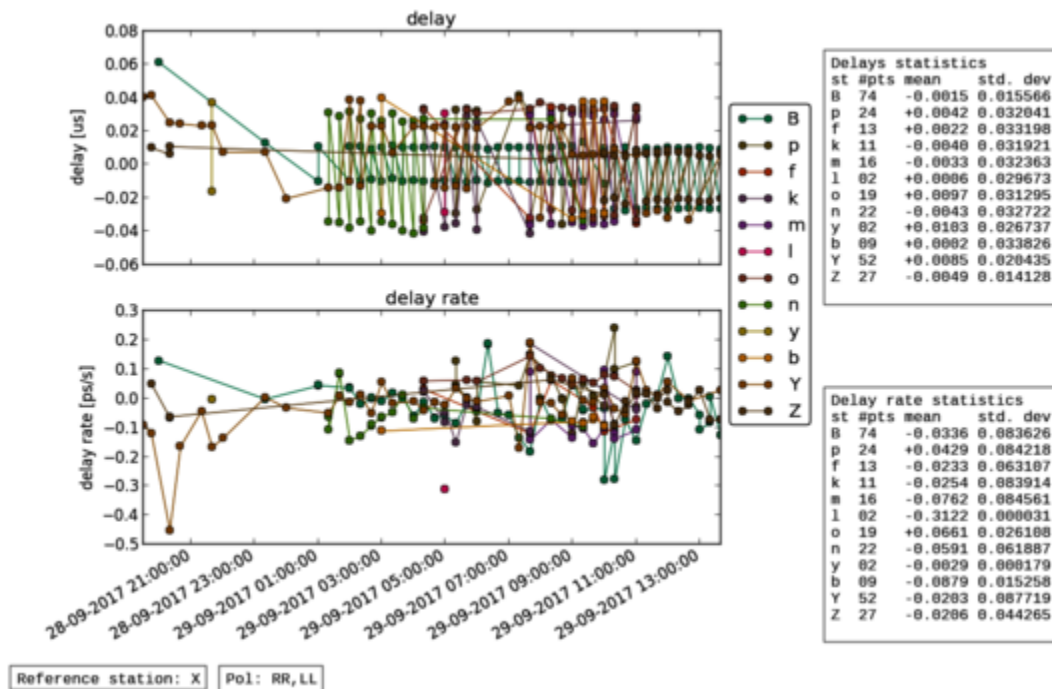
Post-Correlation checks

Residuals

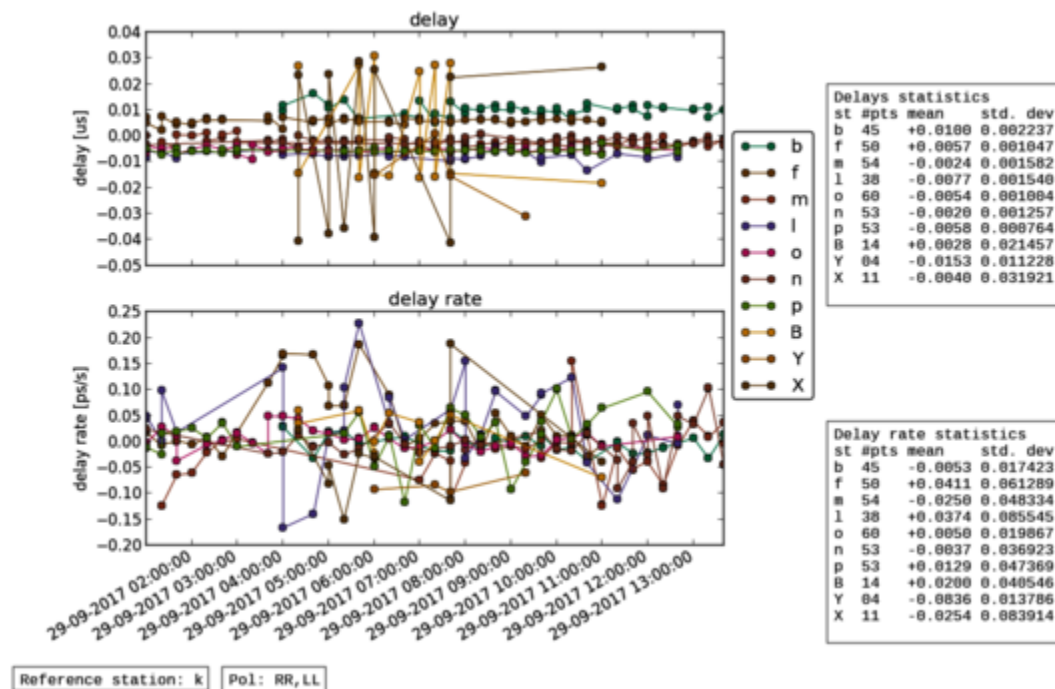
Reference B (Ef), 3mm, LL and RR



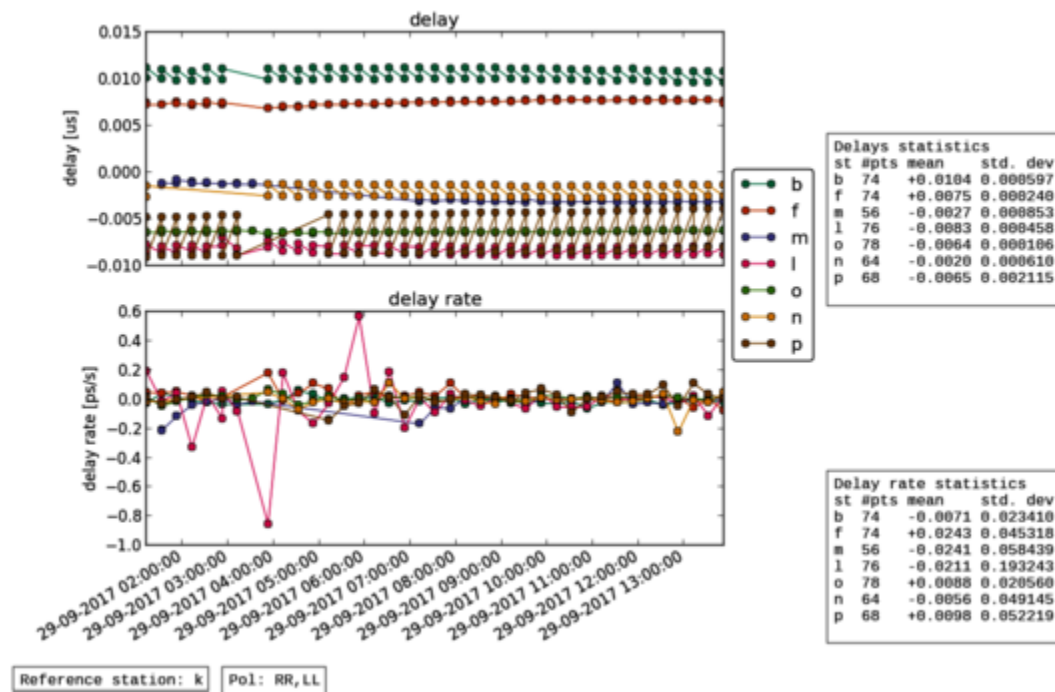
Reference X (On), 3mm, LL and RR



Reference k (Kp), 3mm, LL and RR



Reference k (Kp), 7mm, LL and RR



FITS completeness (pclist)

3mm:

				EF	ON	YS	MH	KY	KU	KT	FD	NL	OV	PT	BR	KP	LA	MK
c172a_01	No0001	3C84	3mm_RDBE	o	o	o	o	o	o	o	.	.	.	.	.	.	.	.
c172a_02	No0002	3C84	3mm_RDBE	o	o	o	o	o	o	o	.	.	.	.	.	.	.	.
c172a_03	No0003	NRAO150	3mm_RDBE	o	o	o	o	o	o	o	.	.	.	.	.	.	.	.
c172a_04	No0004	3C84	3mm_RDBE	o	o	o	o	o	o	o	.	.	.	.	.	.	.	.
c172a_05	No0005	3C84	3mm_RDBE	o	o	o	o	o	o	o	.	.	.	.	.	.	.	.
c172a_06	No0006	3C84	3mm_RDBE	o	o	o	o	o	o	o	.	.	.	.	.	.	.	.
c172a_07	No0007	3C84	3mm_RDBE	o	o	o	o	o	o	o	.	.	.	.	.	.	.	.
c172a_08	No0008	NRAO150	3mm_RDBE	o	o	o	o	o	o	o	.	.	.	.	.	.	.	.
c172a_09	No0009	3C84	3mm_RDBE	o	o	o	o	o	o	o	.	.	.	.	.	.	.	.
c172a_10	No0010	3C84	3mm_RDBE	o	o	o	o	o	o	o	.	.	.	.	.	.	.	.
c172a_11	No0011	3C84	3mm_RDBE	o	o	o	o	o	o	o	.	.	.	.	.	.	.	.
c172a_12	No0012	3C84	3mm_RDBE	o	o	o	o	o	o	o	.	.	.	.	.	.	.	.
c172a_13	No0013	NRAO150	3mm_RDBE	o	o	o	o	o	o	o	.	.	.	.	.	.	.	.
c172a_14	No0014	3C84	3mm_RDBE	o	o	o	o	o	o	o	.	.	.	.	.	.	.	.
c172a_15	No0015	3C84	3mm_RDBE	o	o	o	o	o	o	o	.	.	.	.	.	.	.	.
c172a_16	No0016	3C84	3mm_RDBE	o	o	o	o	o	o	o	.	.	.	.	.	.	.	.
c172a_17	No0017	3C84	3mm_RDBE	o	o	o	o	o	o	o	.	.	.	.	.	.	.	.
c172a_18	No0018	NRAO150	3mm_RDBE	o	o	o	o	o	o	o	.	.	.	.	.	.	.	.
c172a_19	No0019	BLLAC	3mm_RDBE	.	.	.	.	.	.	o	o	o	o	o	o	o	o	o
c172a_20	No0021	3C84	3mm_RDBE	o	o	o	o	o	o	o	.	o	.	.	.	.	.	.
c172a_21	No0022	BLLAC	3mm_RDBE	.	.	.	.	.	.	o	.	o	o	o	o	o	o	o
c172a_22	No0024	3C84	3mm_RDBE	o	o	o	o	o	o	o	.	o	.	.	.	.	.	.
c172a_23	No0025	BLLAC	3mm_RDBE	.	.	.	.	.	.	o	.	o	o	o	o	o	o	o
c172a_24	No0027	3C84	3mm_RDBE	o	o	o	o	.	.	.	.	o	.	.	.	.	.	.
c172a_25	No0028	BLLAC	3mm_RDBE	.	.	.	.	.	.	o	.	o	o	o	o	o	o	o
c172a_26	No0030	3C84	3mm_RDBE	o	o	o	o	.	.	.	.	o	.	.	.	.	.	.
c172a_27	No0031	BLLAC	3mm_RDBE	.	.	.	.	.	.	o	.	o	o	o	o	o	o	o
c172a_28	No0033	NRAO150	3mm_RDBE	o	o	o	o	.	.	.	.	o	.	.	.	.	.	.
c172a_29	No0034	BLLAC	3mm_RDBE	.	.	.	.	.	.	o	.	o	o	o	o	o	o	o
c172a_30	No0036	3C84	3mm_RDBE	o	o	o	o	.	.	.	o	o	.	.	o	.	.	.
c172a_31	No0037	BLLAC	3mm_RDBE	.	.	.	.	.	.	.	.	o	o	.	o	o	o	o
c172a_32	No0039	NRAO150	3mm_RDBE	o	o	o	o	.	.	.	o	o	.	o	o	.	o	.
c172a_33	No0041	BLLAC	3mm_RDBE	.	.	.	.	.	.	.	.	o	.	.	o	.	o	.
c172a_34	No0043	3C84	3mm_RDBE	o	o	o	o	.	.	.	o	o	o	25	o	o	o	.
c172a_35	No0045	3C84	3mm_RDBE	o	o	o	o	.	.	.	o	o	o	x	o	o	o	.
c172a_36	No0047	NRAO150	3mm_RDBE	o	o	o	o	.	.	.	o	o	o	x	o	o	o	.
c172a_37	No0049	3C84	3mm_RDBE	o	o	o	o	.	.	.	o	o	o	x	o	o	o	.
c172a_38	No0051	3C84	3mm_RDBE	o	o	o	o	.	.	.	o	o	o	x	o	o	o	.
c172a_39	No0053	3C84	3mm_RDBE	o	o	o	o	.	.	.	o	o	o	o	o	o	o	.
c172a_40	No0055	3C84	3mm_RDBE	o	o	o	o	.	.	.	o	o	o	o	o	o	o	.
c172a_41	No0057	NRAO150	3mm_RDBE	o	o	o	o	.	.	.	o	o	o	o	o	o	o	.
c172a_42	No0059	3C84	3mm_RDBE	o	o	o	o	.	.	.	o	o	o	o	o	o	o	.
c172a_43	No0061	3C84	3mm_RDBE	o	o	o	o	.	.	.	o	o	o	o	o	o	o	.
c172a_44	No0063	3C84	3mm_RDBE	o	o	o	o	.	.	.	o	o	o	o	o	o	o	o
c172a_45	No0065	3C84	3mm_RDBE	o	o	o	o	.	.	.	o	o	o	o	o	o	o	o
c172a_46	No0067	NRAO150	3mm_RDBE	o	o	o	o	.	.	.	o	o	o	o	o	o	o	o
c172a_47	No0069	3C84	3mm_RDBE	o	o	o	o	.	.	.	o	o	o	o	o	o	o	o
c172a_48	No0071	3C84	3mm_RDBE	o	o	o	o	.	.	.	o	o	o	o	o	o	o	o
c172a_49	No0073	3C84	3mm_RDBE	o	o	o	o	.	.	.	o	o	o	o	o	o	o	o

c172a_50	No0075	3C84	3mm_RDBE	o	o	o	o	.	.	.	o	o	o	o	o	o	o	o	o
c172a_51	No0077	NRAO150	3mm_RDBE	o	o	o	o	.	.	.	o	o	o	o	o	o	o	o	o
c172a_52	No0079	3C84	3mm_RDBE	o	o	o	o	.	.	.	o	o	o	o	o	o	o	o	o
c172a_53	No0081	3C84	3mm_RDBE	o	o	o	o	.	.	.	o	o	o	o	o	o	o	o	o
c172a_54	No0083	3C84	3mm_RDBE	o	o	o	o	.	.	.	o	o	o	o	o	o	o	o	o
c172a_55	No0085	3C84	3mm_RDBE	.	.	.	.	.	.	.	o	o	o	o	o	o	o	o	o
c172a_56	No0087	NRAO150	3mm_RDBE	o	o	o	o	.	.	.	.	.	.	.	.	.	.	.	.
c172a_57	No0088	NRAO150	3mm_RDBE	o	o	o	o	o	x	o	o	o	o	o	o	o	o	o	o
c172a_58	No0090	3C84	3mm_RDBE	.	.	.	.	o	o	o	o	o	o	o	o	o	o	o	o
c172a_59	No0092	0716+714	3mm_RDBE	o	o	o	o	.	.	.	.	.	.	.	.	.	.	.	.
c172a_60	No0093	3C84	3mm_RDBE	.	.	.	.	o	o	o	o	o	o	o	o	o	o	o	o
c172a_61	No0095	0716+714	3mm_RDBE	o	o	o	o	.	.	.	.	.	.	.	.	.	.	.	.
c172a_62	No0096	3C84	3mm_RDBE	.	.	.	.	o	o	o	o	o	o	o	o	o	o	o	o
c172a_63	No0098	0716+714	3mm_RDBE	o	o	o	o	.	.	.	.	.	.	.	.	.	.	.	.
c172a_64	No0099	3C84	3mm_RDBE	.	.	.	.	o	o	o	o	o	o	o	o	o	o	o	o
c172a_65	No0101	0716+714	3mm_RDBE	o	o	o	o	.	.	.	.	.	.	.	.	.	.	.	.
c172a_66	No0102	NRAO150	3mm_RDBE	.	.	.	.	o	o	o	o	o	o	o	o	o	o	o	o
c172a_67	No0104	0716+714	3mm_RDBE	o	o	o	o	.	.	.	.	.	.	.	.	.	.	.	.
c172a_68	No0105	3C84	3mm_RDBE	.	.	.	.	o	o	o	o	o	o	o	o	o	o	o	o
c172a_69	No0107	0716+714	3mm_RDBE	o	o	o	o	.	.	.	.	.	.	.	.	.	.	.	.
c172a_70	No0108	3C84	3mm_RDBE	.	.	.	.	o	o	o	o	o	o	o	o	o	o	o	o
c172a_71	No0110	0716+714	3mm_RDBE	o	o	o	o	.	.	.	.	.	.	.	.	.	.	.	.
c172a_72	No0111	3C84	3mm_RDBE	.	.	.	.	o	o	o	o	o	o	o	o	o	o	o	o
c172a_73	No0113	0716+714	3mm_RDBE	o	o	o	o	.	.	.	.	.	.	.	.	.	.	.	.

7mm:

				FD	NL	OV	PT	BR	KP	LA	MK
c172a_01	No0020	BLLAC	7mm_RDBE	o	o	o	o	o	o	o	.
c172a_02	No0023	BLLAC	7mm_RDBE	o	.	o	o	o	o	o	o
c172a_03	No0026	BLLAC	7mm_RDBE	o	.	o	o	o	o	o	o
c172a_04	No0029	BLLAC	7mm_RDBE	o	.	o	o	o	o	o	o
c172a_05	No0032	BLLAC	7mm_RDBE	o	.	o	o	o	o	o	o
c172a_06	No0035	BLLAC	7mm_RDBE	o	.	o	o	o	o	o	o
c172a_07	No0038	BLLAC	7mm_RDBE	.	.	o	o	.	o	o	o
c172a_08	No0040	NRAO150	7mm_RDBE	o	o	.	o	o	.	o	.
c172a_09	No0042	BLLAC	7mm_RDBE	.	.	o	.	.	o	.	o
c172a_10	No0044	3C84	7mm_RDBE	o	o	o	x	o	o	o	.
c172a_11	No0046	3C84	7mm_RDBE	o	o	o	x	o	o	o	.
c172a_12	No0048	NRAO150	7mm_RDBE	o	o	o	x	o	o	o	.
c172a_13	No0050	3C84	7mm_RDBE	o	o	o	x	o	o	o	.
c172a_14	No0052	3C84	7mm_RDBE	o	o	o	06	o	o	o	.
c172a_15	No0054	3C84	7mm_RDBE	o	o	o	o	o	o	o	.
c172a_16	No0056	3C84	7mm_RDBE	o	o	o	o	o	o	o	.
c172a_17	No0058	NRAO150	7mm_RDBE	o	o	o	o	o	o	o	.
c172a_18	No0060	3C84	7mm_RDBE	o	o	o	o	o	o	o	.
c172a_19	No0062	3C84	7mm_RDBE	o	o	o	o	o	o	o	.
c172a_20	No0064	3C84	7mm_RDBE	o	o	o	o	o	o	o	o
c172a_21	No0066	3C84	7mm_RDBE	o	o	o	o	o	o	o	o

c172a_22	No0068	NRAO150	7mm_RDBE	o	o	o	o	o	o	o	o
c172a_23	No0070	3C84	7mm_RDBE	o	o	o	o	o	o	o	o
c172a_24	No0072	3C84	7mm_RDBE	o	o	o	o	o	o	o	o
c172a_25	No0074	3C84	7mm_RDBE	o	o	o	o	o	o	o	o
c172a_26	No0076	3C84	7mm_RDBE	o	o	o	o	o	o	o	o
c172a_27	No0078	NRAO150	7mm_RDBE	o	o	o	o	o	o	o	o
c172a_28	No0080	3C84	7mm_RDBE	o	o	o	o	o	o	o	o
c172a_29	No0082	3C84	7mm_RDBE	o	o	o	o	o	o	o	o
c172a_30	No0084	3C84	7mm_RDBE	o	o	o	o	o	o	o	o
c172a_31	No0086	3C84	7mm_RDBE	o	o	o	o	o	o	o	o
c172a_32	No0089	NRAO150	7mm_RDBE	o	o	o	o	o	o	o	o
c172a_33	No0091	3C84	7mm_RDBE	o	o	o	o	o	o	o	o
c172a_34	No0094	3C84	7mm_RDBE	o	o	o	o	o	o	o	o
c172a_35	No0097	3C84	7mm_RDBE	o	o	o	o	o	o	o	o
c172a_36	No0100	3C84	7mm_RDBE	o	o	o	o	o	o	o	o
c172a_37	No0103	NRAO150	7mm_RDBE	o	o	o	o	o	o	o	o
c172a_38	No0106	3C84	7mm_RDBE	o	o	o	o	o	o	o	o
c172a_39	No0109	3C84	7mm_RDBE	o	o	o	o	o	o	o	o
c172a_40	No0112	3C84	7mm_RDBE	o	o	o	o	o	o	o	o