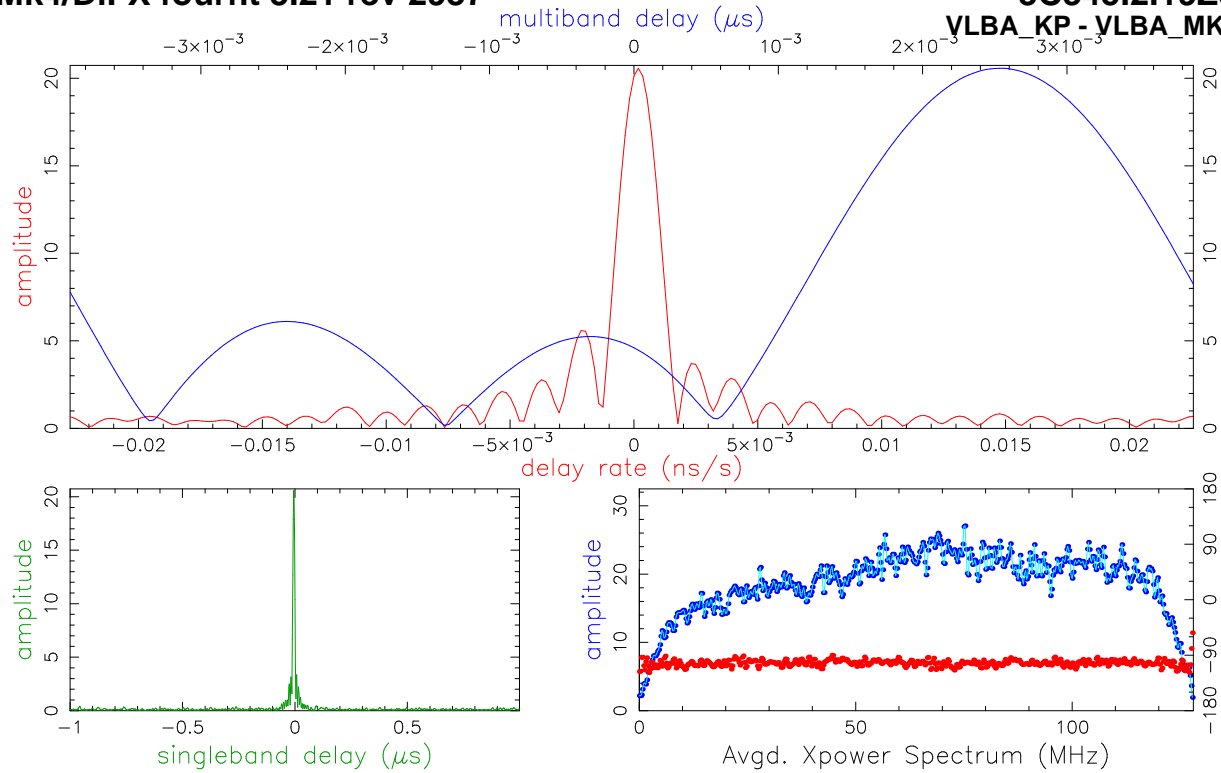


Mk4/DiFX fourfit 3.21 rev 2937

3C345.2119Z8, No0212, km
VLBA_KP - VLBA_MK, fgroup Q, pol LL

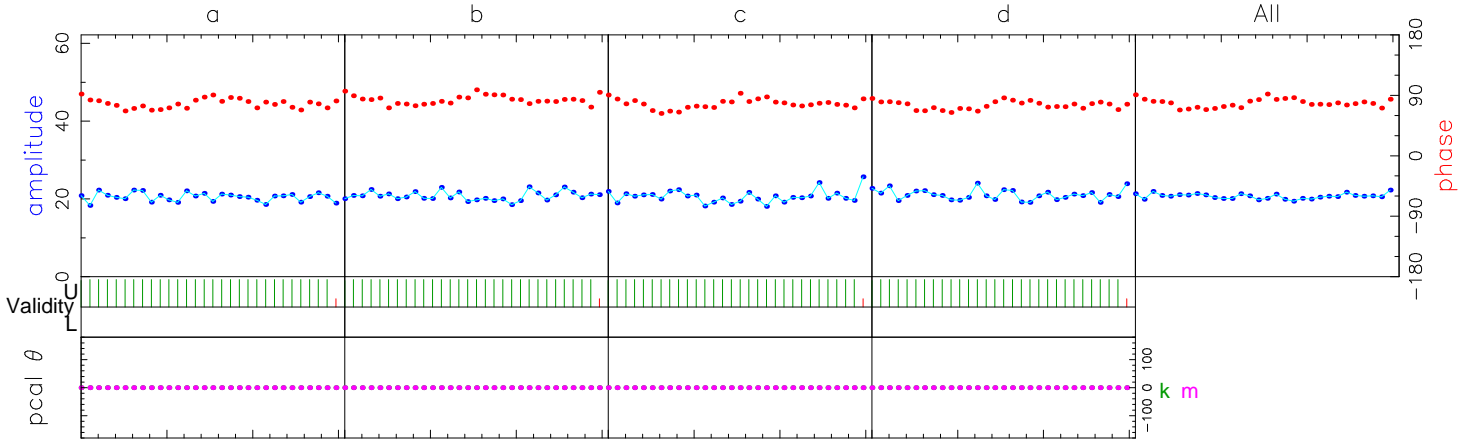


Fringe quality 9

SNR 219.5
Int time 14.982
Amp 20.738
Phase 78.2
PFD 0.0e+00
Delays (us)
SBD -0.005245
MBD 0.002564
Fringe rate (Hz)
0.009266
Ion TEC 0.000
Ref freq (MHz)
42912.0000
AP (sec) 0.512

Exp. c221c
Exper # 16383
Yr:day 2022:093
Start 153530.00
Stop 153545.36
FRT 153700.00
Corr/FF/build
2022:346:223539
2022:346:224311
2021:252:122852
RA & Dec (J2000)
16h42m58.809967s
+39°48'36.993984"

Amp. and Phase vs. time for each freq., 30 segs, 1 APs / seg (0.51 sec / seg.), time ticks 1 sec



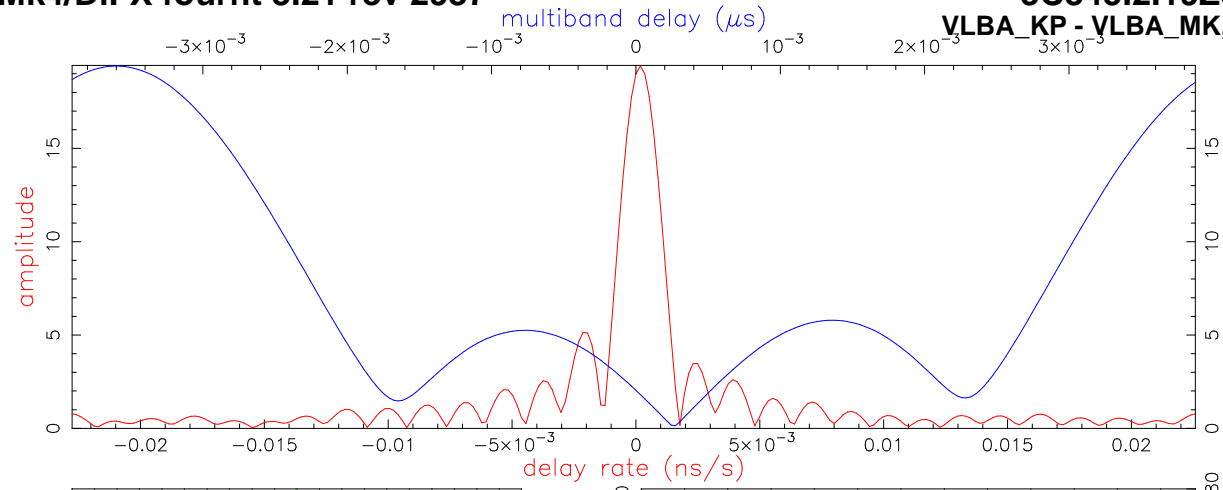
	42912.00	43040.00	43168.00	43296.00	Freq (MHz)	All
U/L	30/0	30/0	30/0	30/0		
k	1000	1000	1000	1000	APs used	
m	1000	1000	1000	1000	PC freqs	
k:m	0:0	0:0	0:0	0:0	PC phase	
k:m	0:0	0:0	0:0	0:0	Manl PC	
k	1000	1000	1000	1000	PC amp	
m	1000	1000	1000	1000		
k	Q00UL	Q01UL	Q02UL	Q03UL	Chan ids	
m	Q00UL	Q01UL	Q02UL	Q03UL	Tracks	
					Chan ids	
					Tracks	

Group delay (usec)(sbd)	-5.74215959902E+03	Apriori delay (usec)	-5.74215435034E+03	Resid mbdelay (usec)	2.56381E-03	+/-	5.1E-06
Sband delay (usec)	-5.74215959546E+03	Apriori clock (usec)	2.7184563E+08	Resid sbdelay (usec)	-5.24512E-03	+/-	2.0E-05
Phase delay (usec)	-5.74215434528E+03	Apriori clockrate (us/s)	-3.7539999E-08	Resid phdelay (usec)	5.06182E-06	+/-	3.4E-08
Delay rate (us/s)	-5.27239571273E-01	Apriori rate (us/s)	-5.27239787195E-01	Resid rate (us/s)	2.15922E-07	+/-	3.8E-09
Total phase (deg)	-95.2	Apriori accel (us/s/s)	4.42649713728E-05	Resid phase (deg)	78.2	+/-	0.5

ph/seg (deg)	6.1	Theor.	1.4	Amplitude	20.738 +/- 0.094	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5	sb window (us)	-1.000	1.000
amp/seg (%)	3.0		2.5	Search (64X16)	19.874	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		mb window (us)	-0.004	0.004
ph/frq (deg)	4.2		0.5	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: enabled	dr window (ns/s)	-0.023	0.023
amp/frq (%)	1.3		0.9	Inc. seg. avg.	20.680	Sample rate(MISamp/s): 256		ion window (TEC)	0.00	0.00
				Inc. frq. avg.	20.595	Data rate(Mb/s): 2048	nlags: 512	t_cohere infinite		

k: az 297.6 el 39.5 pa 78.0 m: az 324.8 el 64.2 pa 134.9 u,v (fr/asec) 1991.362 2064.344 simultaneous interpolator

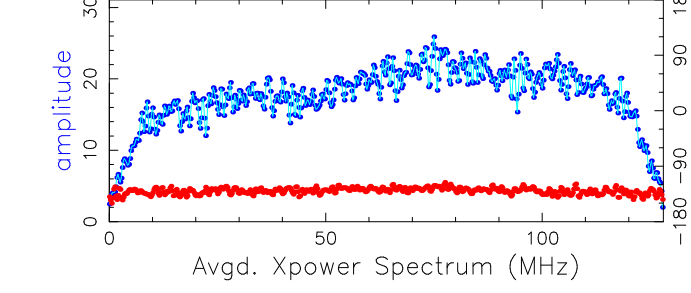
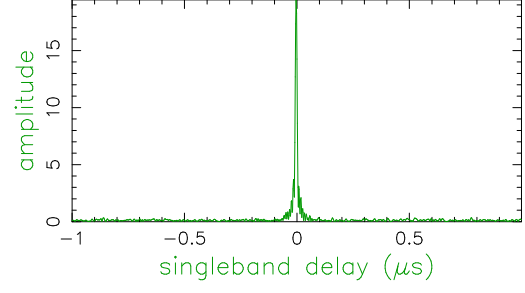
Control file: cf_1234_gmva Input file: /Exps/c221c/FRINGE/7mm/1234/No0212/km..2119Z8 Output file: /Exps/c221c/FRINGE/7mm/1234/No0212/km.Q.34.2119Z8



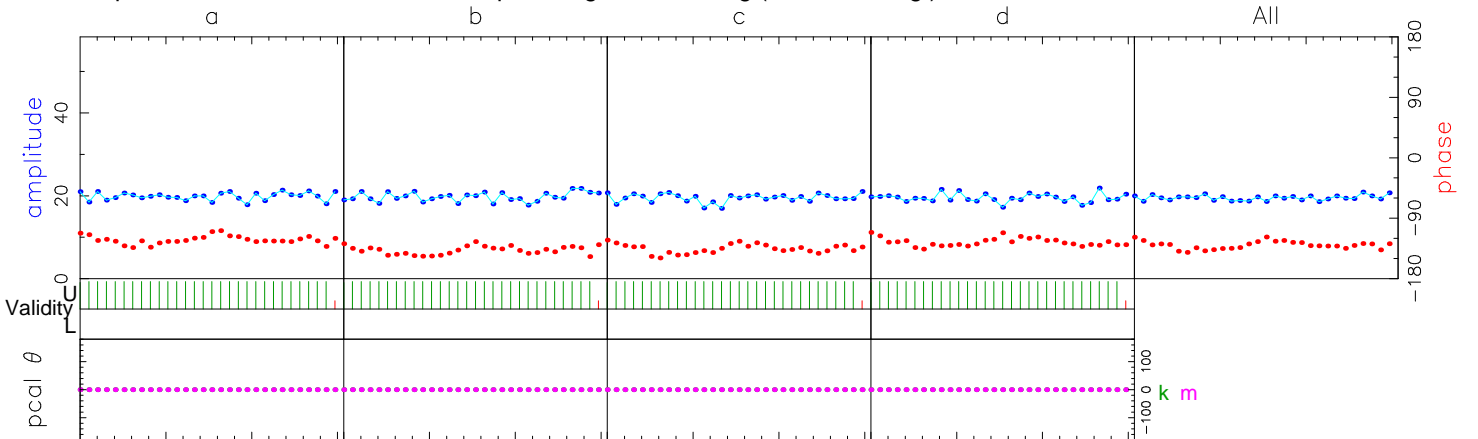
Fringe quality 9

SNR 205.8
Int time 14.982
Amp 19.447
Phase -130.1
PFD 0.0e+00
Delays (us)
SBD -0.003617
MBD -0.003585
Fringe rate (Hz) 0.009496
Ion TEC 0.000
Ref freq (MHz) 42912.0000
AP (sec) 0.512

Exp. c221c
Exper # 16383
Yr:day 2022:093
Start 153530.00
Stop 153545.36
FRT 153700.00
Corr/FF/build
2022:346:223539
2022:346:224312
2021:252:122852
RA & Dec (J2000)
16h42m58.809967s
+39°48'36.993984"



Amp. and Phase vs. time for each freq., 30 segs, 1 APs / seg (0.51 sec / seg.), time ticks 1 sec



	42912.00	43040.00	43168.00	43296.00	Freq (MHz)	All
	-122.1	-137.7	-135.4	-125.3	Phase	-130.1
	19.8	19.7	19.3	19.4	Ampl.	19.5
	510.9	511.1	511.3	511.3	Sbd box	511.1
U/L	30/0	30/0	30/0	30/0	APs used	
k	1000	1000	1000	1000	PC freqs	
m	1000	1000	1000	1000	PC freqs	
k:m	0:0	0:0	0:0	0:0	PC phase	
k:m	0:0	0:0	0:0	0:0	Manl PC	
k	1000	1000	1000	1000	PC amp	
m	1000	1000	1000	1000		
k	Q00UR	Q01UR	Q02UR	Q03UR	Chan ids	
m	Q00UR	Q01UR	Q02UR	Q03UR	Tracks	
					Chan ids	
					Tracks	
Group delay (usec)(sbd)	-5.74215793512E+03		Apriori delay (usec)	-5.74215435034E+03	Resid mbdelay (usec)	-3.58478E-03 +/- 5.4E-06
Sband delay (usec)	-5.74215796734E+03		Apriori clock (usec)	2.7184563E+08	Resid sbdelay (usec)	-3.61700E-03 +/- 2.1E-05
Phase delay (usec)	-5.74215435876E+03		Apriori clockrate (us/s)	-3.7539999E-08	Resid phdelay (usec)	-8.42091E-06 +/- 3.6E-08
Delay rate (us/s)	-5.27239565902E-01		Apriori rate (us/s)	-5.27239787195E-01	Resid rate (us/s)	2.21292E-07 +/- 4.1E-09
Total phase (deg)		-303.5	Apriori accel (us/s/s)	4.42649713728E-05	Resid phase (deg)	-130.1 +/- 0.6

ph/seg (deg) 5.7 1.5 Search (64X16) 19.447 +/- 0.094 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
amp/seg (%) 3.1 2.7 Interp. 18.452 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
ph/frq (deg) 9.3 0.6 Inc. seg. avg. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.004 0.004
amp/frq (%) 1.0 1.0 Inc. frq. avg. 19.502 Sample rate(MISamp/s): 256 Data rate (Mb/s): 2048 nlags: 512 t_cohere infinite dr window (ns/s) -0.023 0.023
k: az 297.6 el 39.5 pa 78.0 m: az 324.8 el 64.2 pa 134.9 u,v (fr/asec) 1991.362 2064.344 simultaneous interpolator
Control file: cf_1234_gmva Input file: /Exps/c221c/FRINGE/7mm/1234/No0212/km..2119Z8 Output file: /Exps/c221c/FRINGE/7mm/1234/No0212/km.Q.43.2119Z8