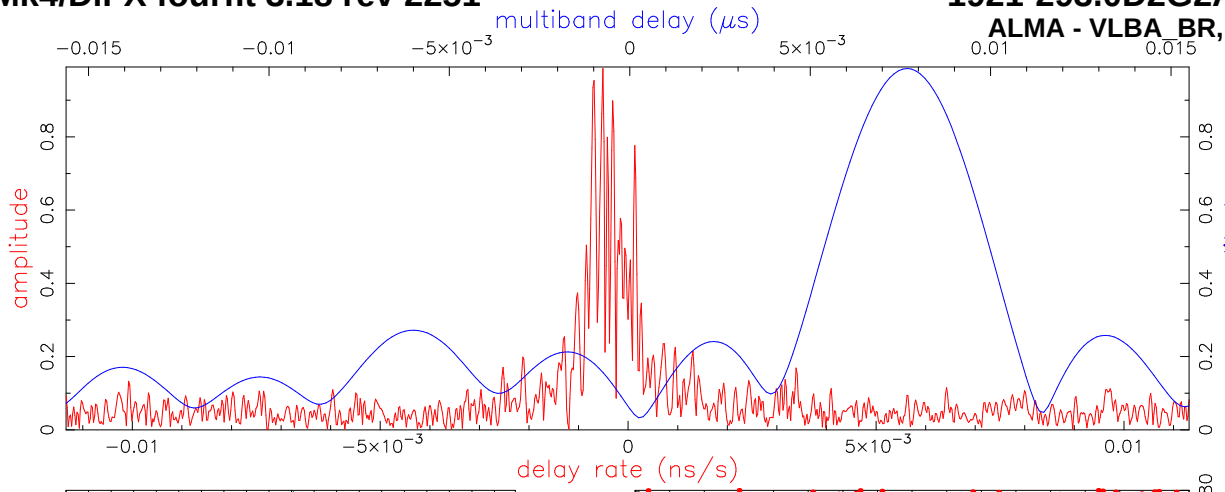
Mk4/DiFX fourfit 3.18 rev 2251

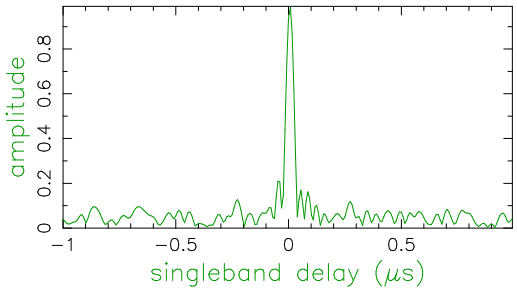
1921-293.0D2G2A, No0035, Ab

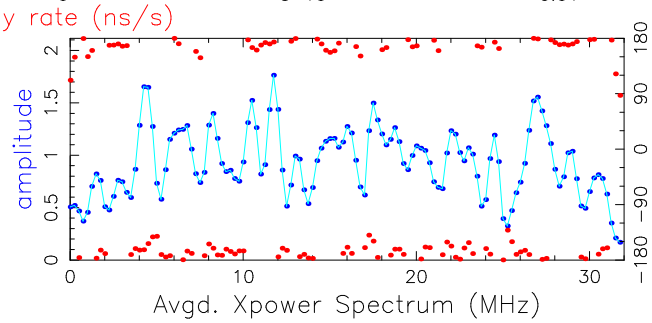
ALMA - VLBA_BR, fgroup W, pol LL



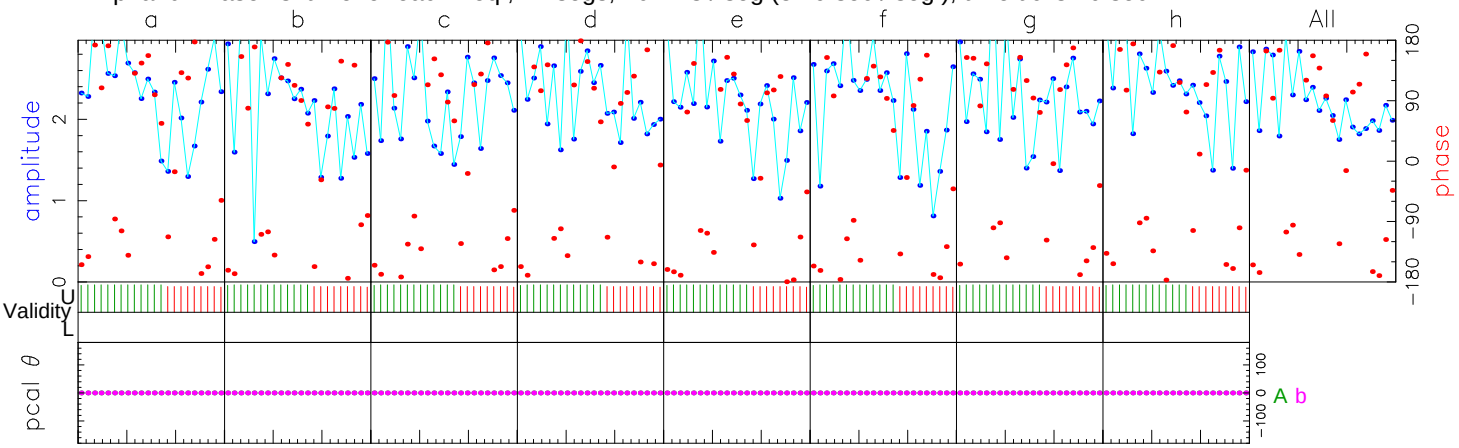
Fringe quality 7

SNR	25.3
Int time	175.086
Amp	0.991
Phase	175.1
PFD	0.0e+00
Delays (us)	
SBD	0.006237
MBD	0.007682
Fringe rate (Hz)	-0.043534
Ion TEC	0.000
Ref freq (MHz)	86140.0000
AP (sec)	0.512
Exp.	c181b
Exper #	16383
Yr:day	2018:104
Start	114000.00
Stop	114300.22
FRT	114130.00
Corr/FF/build	2018:290:163412
	2018:311:193610
	2018:249:082454
RA & Dec (J2000)	19h24m51.0560s
	-29°14'30.121"





Amp. and Phase vs. time for each freq., 22 segs, 16 APs / seg (8.19 sec / seg.), time ticks 10 sec



	86124.00	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	Freq (MHz)	All
	-172.6	158.5	-170.9	160.0	171.3	167.4	174.9	-174.3	Phase	175.1
	1.2	0.9	1.1	1.1	0.9	0.8	1.0	1.1	Ampl.	1.0
	129.5	129.9	129.6	130.2	128.8	130.6	129.9	130.0	Sbd box	129.8
U/L	352/0	352/0	352/0	352/0	352/0	352/0	352/0	352/0	APs used	
A	0	0	0	0	0	0	0	0	PC freqs	
b	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
A:b	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
A:b	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
A	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
b	1000	1000	1000	1000	1000	1000	1000	1000		
A	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids	
									Tracks	
b	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids	
									Tracks	

Group delay (usec)(sbd)	1.54492084938E+04	Apriori delay (usec)	1.54492008115E+04	Resid mbdelay (usec)	7.68230E-03	+/-	8.6E-05
Sband delay (usec)	1.54492070485E+04	Apriori clock (usec)	-2.0998262E+03	Resid sbdelay (usec)	6.23700E-03	+/-	6.8E-04
Phase delay (usec)	1.54492008172E+04	Apriori clockrate (us/s)	-1.2700000E-07	Resid phdelay (usec)	5.64777E-06	+/-	1.5E-07
Delay rate (us/s)	-8.96506452751E-01	Apriori rate (us/s)	-8.96505947362E-01	Resid rate (us/s)	-5.05389E-07	+/-	1.4E-09
Total phase (deg)	140.4	Apriori accel (us/s/s)	-3.09296734068E-05	Resid phase (deg)	175.1	+/-	4.5

	RMS	Theor.							
			Amplitude	0.991 +/- 0.039	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5			
ph/seg (deg)	72.1	10.6	Search (1024X32)	0.978	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		sb window (us)	-1.000	1.000
amp/seg (%)	131.7	18.5	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: enabled	mb window (us)	-0.016	0.016
ph/frq (deg)	13.2	6.4	Inc. seg. avg.	2.197	Sample rate(MSamp/s): 64		dr window (ns/s)	-0.011	0.011
amp/frq (%)	12.7	11.2	Inc. frq. avg.	1.002	Data rate(Mb/s): 1024	nlags: 128 t_cohere infinite	ion window (TEC)	0.00	0.00

A: az 245.6 el 72.4 pa 73.5 b: az 150.9 el 7.0 pa -21.8 u,v (fr/asec) 5849.273 -7399.082 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c181b/v1_pc1/1234/No0035/Ab..0D2G2A Output file: /Exps/c181b/v1_pc1/1234/No0035/Ab.W.1.0D2G2A