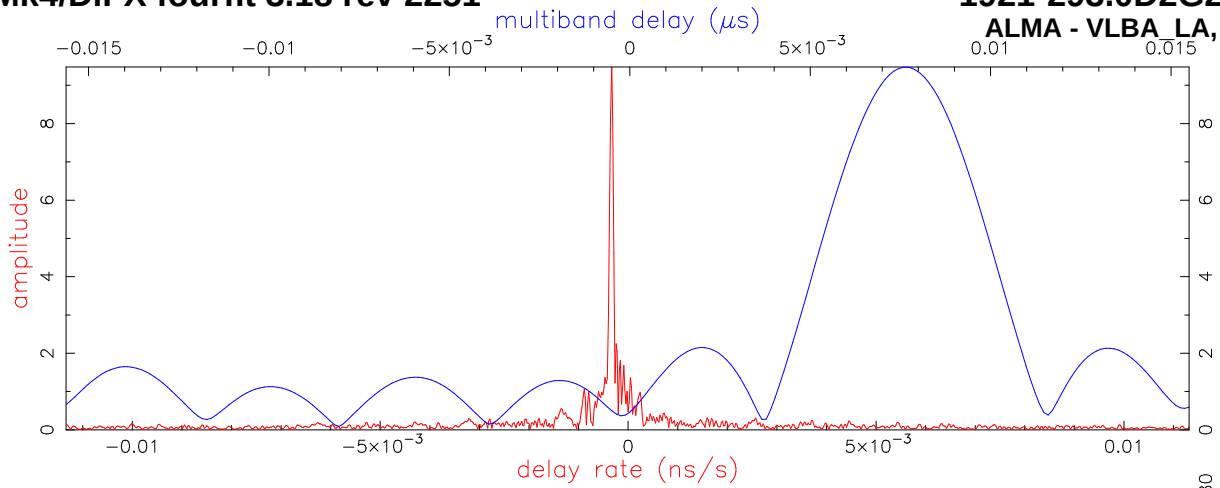
Mk4/DiFX fourfit 3.18 rev 2251

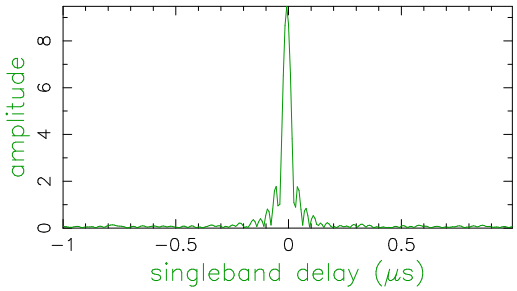
1921-293.0D2G2A, No0035, Al

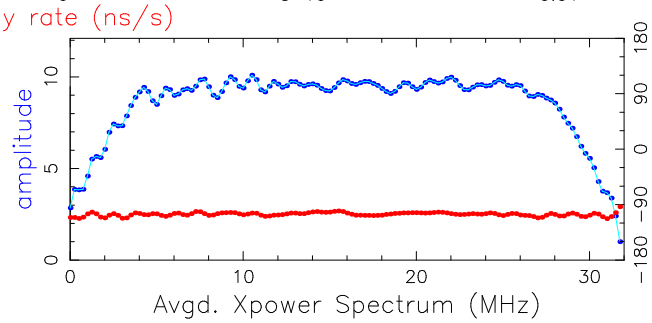
ALMA - VLBA_LA, fgroup W, pol RR



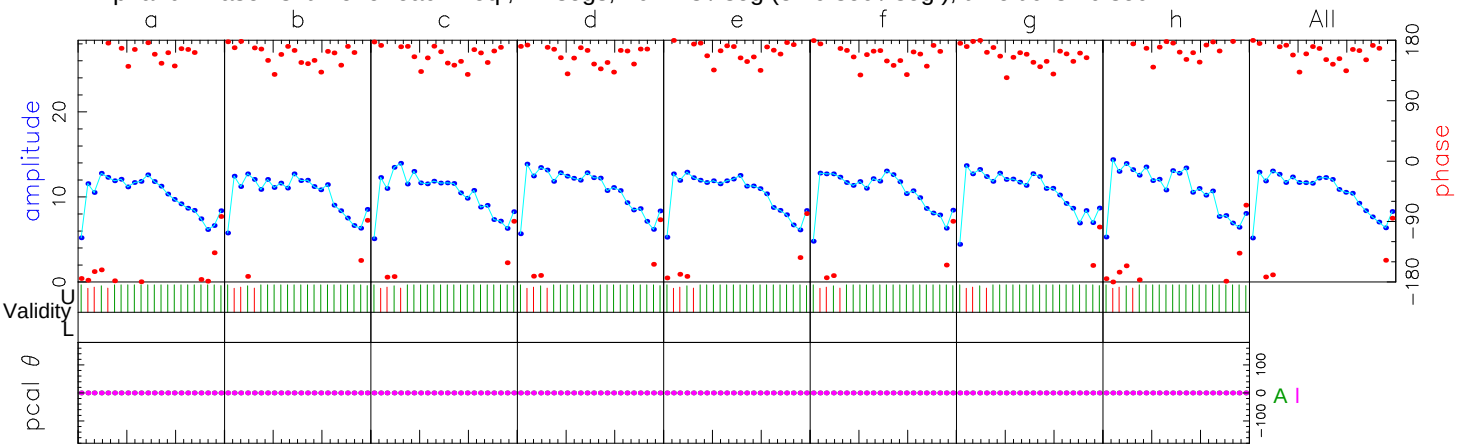
Fringe quality 6

SNR	243.7
Int time	176.922
Amp	9.479
Phase	166.4
PFD	0.0e+00
Delays (us)	
SBD	-0.007659
MBD	0.007647
Fringe rate (Hz)	-0.028857
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
	2018:311:193628
	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



									Freq (MHz)	All
	86124.00	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00		
	174.3	162.8	163.9	162.8	169.1	162.9	160.2	175.2	Phase	166.4
	9.1	9.4	9.4	9.8	9.4	9.6	9.7	9.8	Ampl.	9.5
	128.1	128.2	127.7	128.4	127.5	128.2	127.8	128.3	Sbd box	128.0
U/L	349/0	349/0	349/0	349/0	349/0	349/0	349/0	349/0	APs used	
A	0	0	0	0	0	0	0	0	PC freqs	
I	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
A:I	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
A:I	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	
I	1000	1000	1000	1000	1000	1000	1000	1000		
A	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids	
									Tracks	
I	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids	
									Tracks	

Group delay (usec)(sbd)	9.98722466711E+03	Apriori delay (usec)	9.98721701973E+03	Resid mbdelay (usec)	7.64738E-03	+/-	8.9E-06
Sband delay (usec)	9.98720936023E+03	Apriori clock (usec)	-2.0963452E+03	Resid sbdelay (usec)	-7.65950E-03	+/-	7.1E-05
Phase delay (usec)	9.98721702509E+03	Apriori clockrate (us/s)	-6.7000001E-08	Resid phdelay (usec)	5.36443E-06	+/-	1.5E-08
Delay rate (us/s)	-7.72707369334E-01	Apriori rate (us/s)	-7.72707034336E-01	Resid rate (us/s)	-3.34998E-07	+/-	1.5E-10
Total phase (deg)	194.9	Apriori accel (us/s/s)	-1.06784410638E-05	Resid phase (deg)	166.4	+/-	0.5

	RMS	Theor.	Amplitude	9.479 +/- 0.039
ph/seg (deg)	29.2	1.1	Search (1024X32)	9.412
amp/seg (%)	26.0	1.9	Interp.	0.000
ph/frq (deg)	6.2	0.7	Inc. seg. avg.	10.431
amp/frq (%)	2.5	1.2	Inc. frq. avg.	9.519

Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
Pcal rate: 0.000E+00, 0.000E+00 (us/s)
Bits/sample: 2x2 SampCntNorm: enabled
Sample rate(MSamp/s): 64
Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite

sb window (us)	-1.000	1.000
mb window (us)	-0.016	0.016
dr window (ns/s)	-0.011	0.011
ion window (TEC)	0.00	0.00

A: az 245.6 el 72.4 pa 73.5 I: az 161.0 el 22.3 pa -17.3 u,v (fr/asec) 5049.696 -7051.786 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c181b/v1_pc1/1234/No0035/Al..0D2G2A Output file: /Exps/c181b/v1_pc1/1234/No0035/Al.W.18.0D2G2A