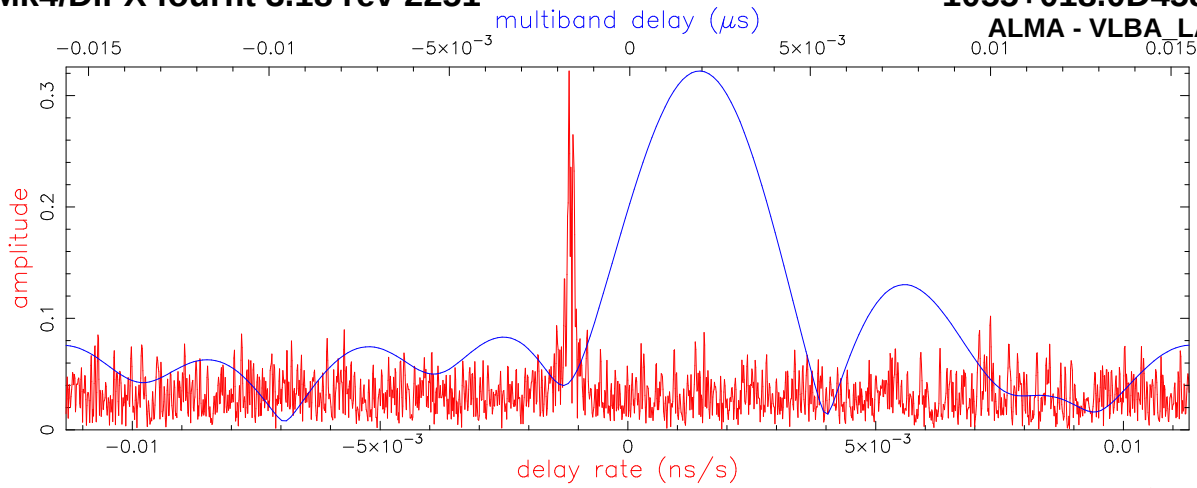
Mk4/DiFX fourfit 3.18 rev 2251

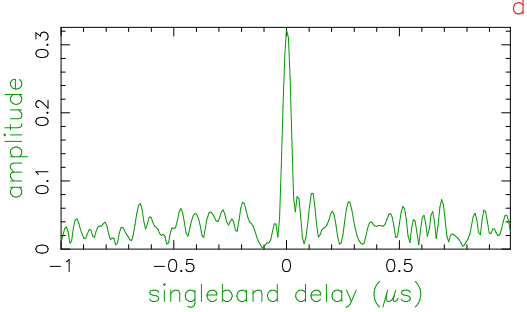
1055+018.0D458V, No0038, Al

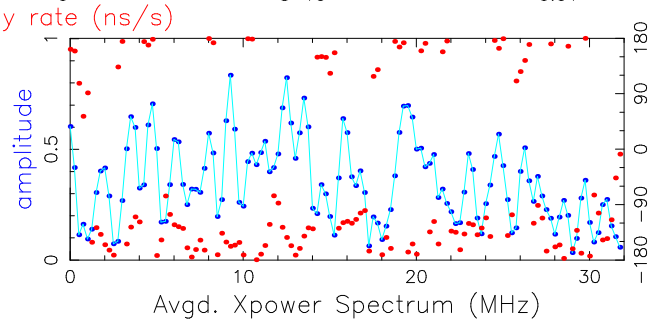
ALMA - VLBA_LA, fgroup W, pol RL



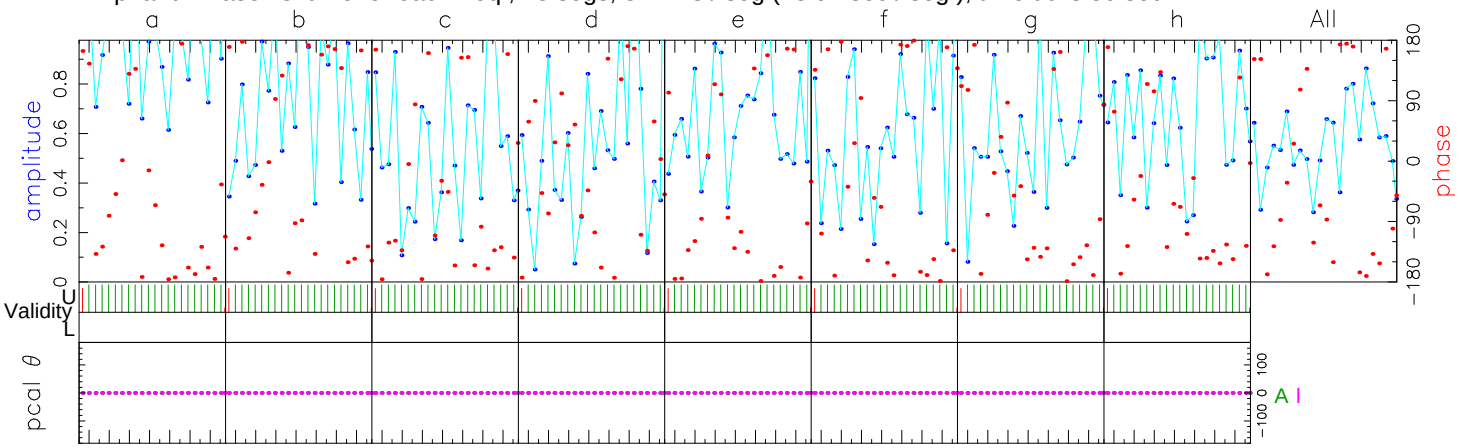
Fringe quality 9

SNR	12.8
Int time	417.306
Amp	0.326
Phase	-156.6
PFD	4.1e-29
Delays (us)	
SBD	0.002186
MBD	0.001949
Fringe rate (Hz)	-0.102227
Ion TEC	0.000
Ref freq (MHz)	86140.0000
AP (sec)	0.512
Exp.	c181d
Exper #	16383
Yr:day	2018:106
Start	010130.00
Stop	010829.84
FRT	010500.00
Corr/FF/build	2018:292:173223
	2018:312:162952
	2018:249:082454
RA & Dec (J2000)	10h58m29.6052s
	+1°33'58.824"





Amp. and Phase vs. time for each freq., 23 segs, 37 APs / seg (18.94 sec / seg.), time ticks 30 sec



	86124.00	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	Freq (MHz)	All
	-148.8	-159.7	-150.6	-160.0	-172.2	-166.7	-151.9	-142.0	Phase	-156.6
	0.5	0.4	0.4	0.1	0.4	0.4	0.3	0.3	Ampl.	0.3
	129.4	128.6	130.1	93.0	128.7	129.0	128.6	130.2	Sbd box	129.3
U/L	817/0	817/0	817/0	817/0	817/0	817/0	817/0	817/0	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	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids	
									Tracks	

Group delay (usec)(sbd)	5.58879427942E+03	Apriori delay (usec)	5.58879233057E+03	Resid mbdelay (usec)	1.94885E-03	+/-	1.7E-04
Sband delay (usec)	5.58879451657E+03	Apriori clock (usec)	-2.0963247E+03	Resid sbdelay (usec)	2.18600E-03	+/-	1.3E-03
Phase delay (usec)	5.58879232552E+03	Apriori clockrate (us/s)	7.0400001E-07	Resid phdelay (usec)	-5.04868E-06	+/-	2.9E-07
Delay rate (us/s)	-6.72657841416E-01	Apriori rate (us/s)	-6.72656654660E-01	Resid rate (us/s)	-1.18676E-06	+/-	1.2E-09
Total phase (deg)	-28.6	Apriori accel (us/s/s)	-4.36771786048E-05	Resid phase (deg)	-156.6	+/-	8.9

	RMS	Theor.							
			Amplitude	0.326 +/- 0.025	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5			
ph/seg (deg)	65.9	21.4	Search (2048X32)	0.314	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		sb window (us)	-1.000	1.000
amp/seg (%)	87.9	37.4	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: enabled	mb window (us)	-0.016	0.016
ph/frq (deg)	10.8	12.7	Inc. seg. avg.	0.532	Sample rate(MSamp/s): 64		dr window (ns/s)	-0.011	0.011
amp/frq (%)	30.4	22.1	Inc. frq. avg.	0.320	Data rate(Mb/s): 1024	nlags: 128 t_cohere infinite	ion window (TEC)	0.00	0.00

A: az 30.0 el 62.2 pa -152.7 I: az 113.3 el 31.0 pa -47.9 u,v (fr/asec) 3781.786 -8710.178 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c181d/v2_pc1/1234/No0038/Al..0D458V Output file: /Exps/c181d/v2_pc1/1234/No0038/Al.W.24.0D458V