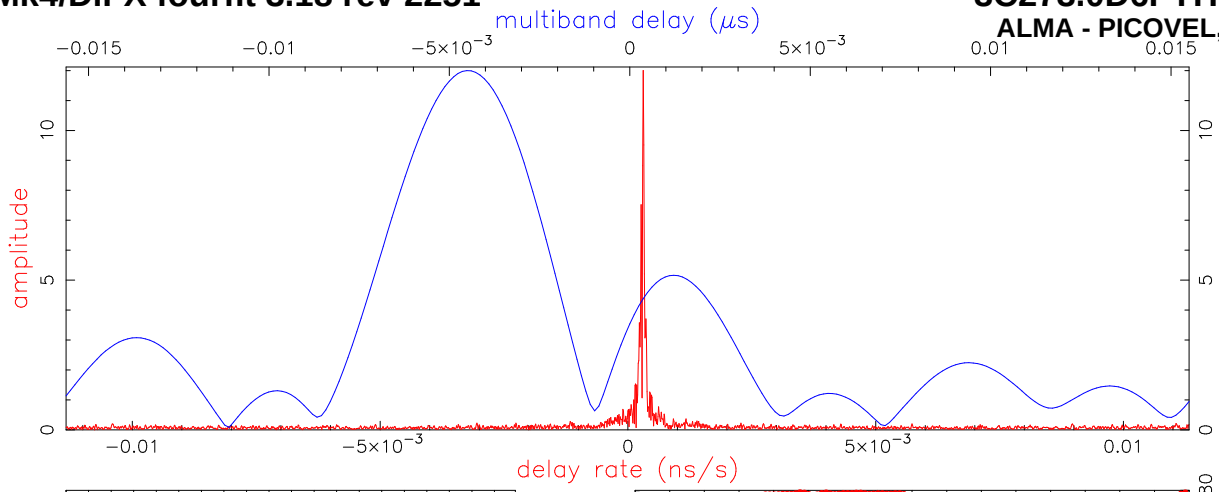
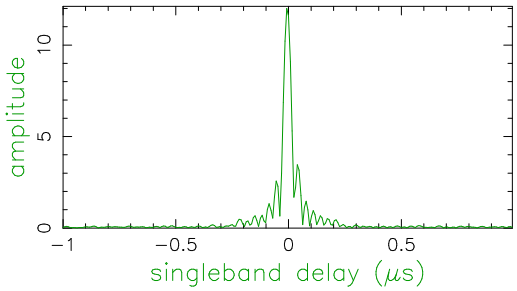
Mk4/DiFX fourfit 3.18 rev 2251

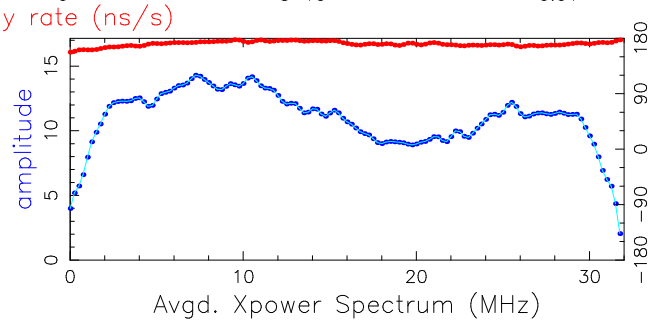
3C273.0D6FYH, No0208, AP

ALMA - PICOVEL, fgroup W, pol LL

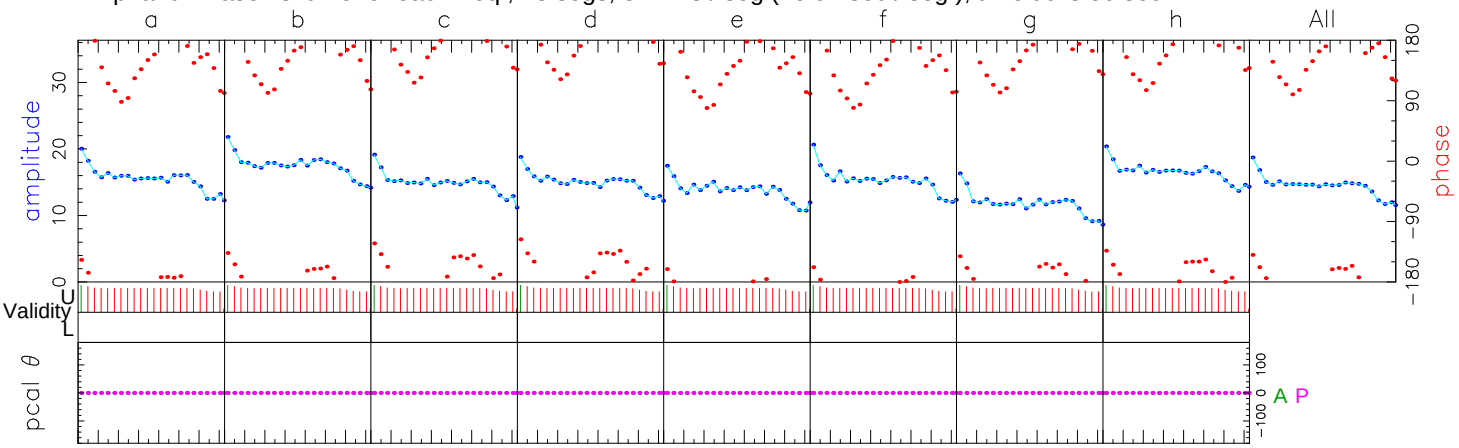


Fringe quality	5
SNR	445.1
Int time	360.874
Amp	12.120
Phase	165.9
PFD	0.0e+00
Delays (us)	
SBD	-0.005329
MBD	-0.004502
Fringe rate (Hz)	0.026254
Ion TEC	0.000
Ref freq (MHz)	86140.0000
AP (sec)	0.512
Exp.	c181a
Exper #	16383
Yr:day	2018:104
Start	014500.00
Stop	015159.84
FRT	014830.00
Corr/FF/build	2018:291:164543
	2018:313:230024
	2018:249:082454
RA & Dec (J2000)	12h29m 6.6997s
	+2°03' 8.598"





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
	153.6	165.7	-176.8	-171.4	144.4	146.5	169.2	174.4	Phase	165.9
	12.8	14.5	12.4	12.4	11.4	12.5	9.8	13.7	Ampl.	12.4
	128.3	128.2	128.8	128.9	127.3	128.3	128.1	128.7	Sbd box	128.3
U/L	820/0	820/0	820/0	820/0	820/0	820/0	820/0	820/0	APs used	
A	0	0	0	0	0	0	0	0	PC freqs	
P	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
A:P	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
A:P	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	
P	1000	1000	1000	1000	1000	1000	1000	1000		
A	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids	
									Tracks	
P	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids	
									Tracks	

Group delay (usec)(sbd)	1.47892221639E+03	Apriori delay (usec)	1.47892671887E+03	Resid mbdelay (usec)	-4.50248E-03	+/-	4.9E-06
Sband delay (usec)	1.47892138937E+03	Apriori clock (usec)	-2.1063904E+03	Resid sbdelay (usec)	-5.32950E-03	+/-	3.9E-05
Phase delay (usec)	1.47892672422E+03	Apriori clockrate (us/s)	-1.0370000E-06	Resid phdelay (usec)	5.34896E-06	+/-	8.3E-09
Delay rate (us/s)	1.39522270545E+00	Apriori rate (us/s)	1.39522240067E+00	Resid rate (us/s)	3.04780E-07	+/-	3.4E-11
Total phase (deg)	8.8	Apriori accel (us/s/s)	-2.28731985726E-05	Resid phase (deg)	165.9	+/-	0.3

	RMS	Theor.						
			Amplitude	12.120 +/- 0.027	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5		
ph/seg (deg)	34.9	0.6	Search (2048X32)	11.162	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		sb window (us)	-1.000 1.000
amp/seg (%)	23.9	1.1	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: enabled	mb window (us)	-0.016 0.016
ph/frq (deg)	17.7	0.4	Inc. seg. avg.	14.638	Sample rate(MSamp/s): 64		dr window (ns/s)	-0.011 0.011
amp/frq (%)	11.1	0.6	Inc. frq. avg.	12.440	Data rate(Mb/s): 1024	nlags: 128 t_cohere infinite	ion window (TEC)	0.00 0.00

A: az 50.2 el 53.7 pa -135.1 P: az 233.2 el 40.9 pa 39.7 u,v (fr/asec) -8031.247 -8834.427 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c181a/v2_ML006B/1234/No0208/AP..0D6FYH Output file: /Exps/c181a/v2_ML006B/1234/No0208/AP.W.9.0D6FYH