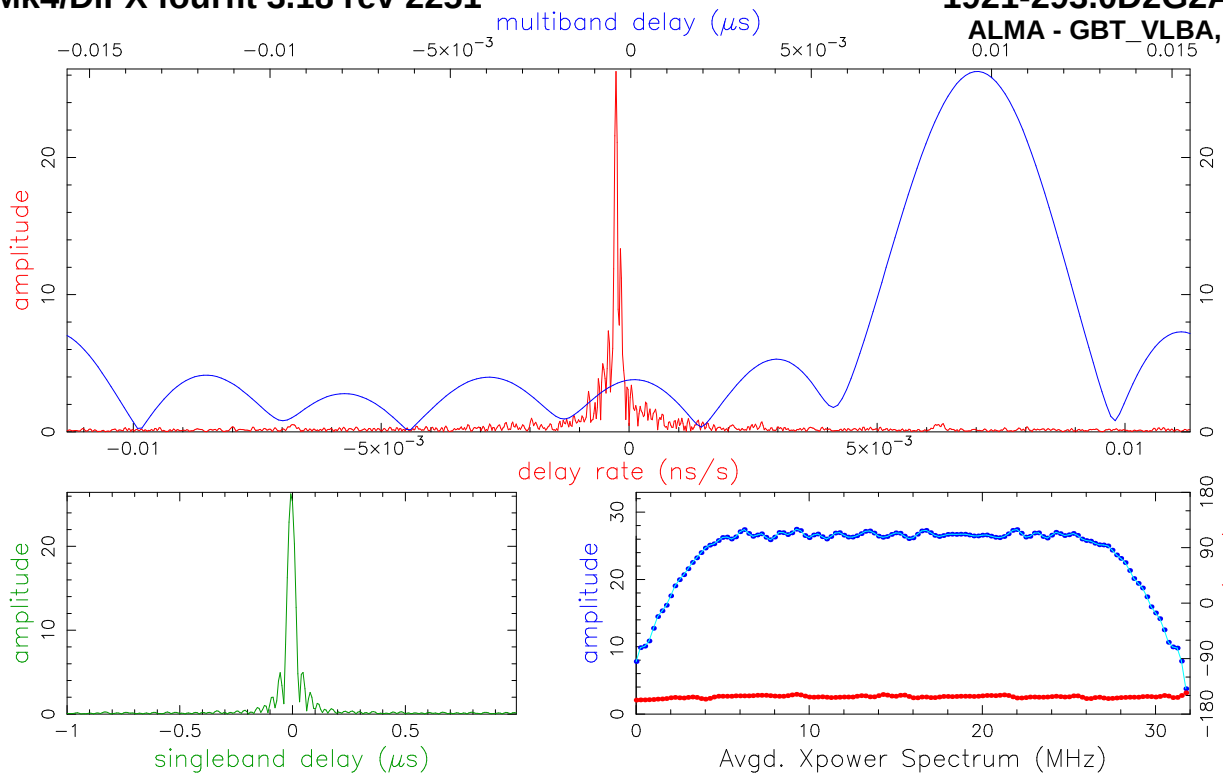
Mk4/DiFX fourfit 3.18 rev 2251

1921-293.0D2G2A, No0035, AG

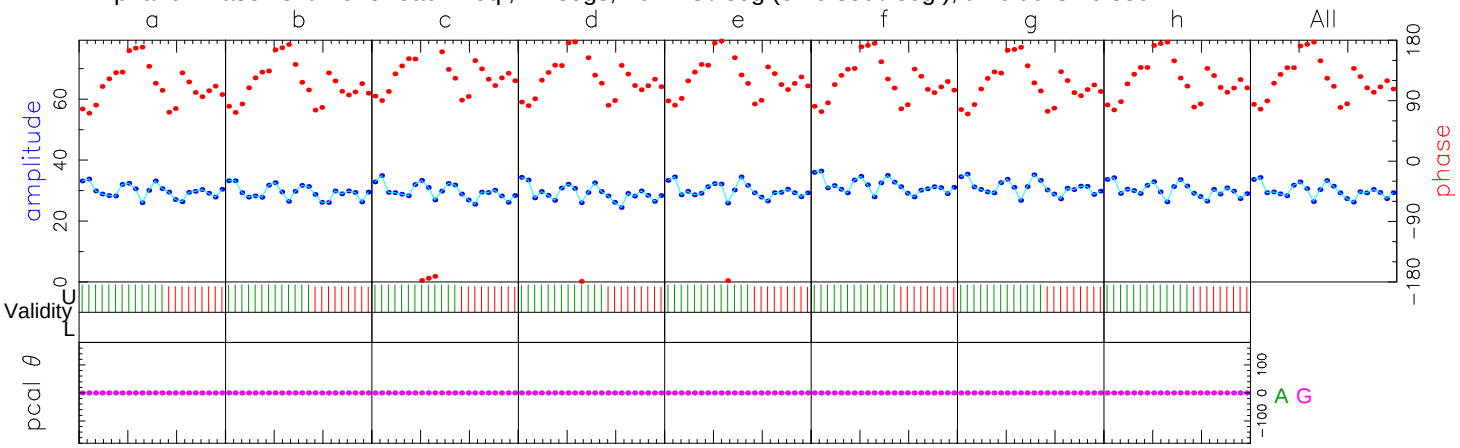
ALMA - GBT_VLBA, fgroup W, pol LR



Fringe quality 7

SNR	677.0
Int time	175.219
Amp	26.454
Phase	120.3
PFD	0.0e+00
Delays (us)	
SBD	-0.005609
MBD	0.009605
Fringe rate (Hz)	-0.023020
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 2018:311:193621 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		
	113.4	115.0	132.8	124.1	124.8	118.6	113.6	120.4	Phase	120.3
	26.2	25.9	26.1	25.5	26.4	27.6	27.3	26.4	Ampl.	26.4
	128.5	128.6	128.0	128.5	127.7	128.5	127.9	128.6	Sbd box	128.3
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	
G	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
A:G	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
A:G	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	
G	1000	1000	1000	1000	1000	1000	1000	1000		
A	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids	
									Tracks	
G	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids	
									Tracks	

Group delay (usec)(sbd)	1.01016703360E+04	Apriori delay (usec)	1.01016607309E+04	Resid mbdelay (usec)	9.60509E-03	+/-	3.2E-06
Sband delay (usec)	1.01016551219E+04	Apriori clock (usec)	-2.0930029E+03	Resid sbdelay (usec)	-5.60900E-03	+/-	2.5E-05
Phase delay (usec)	1.01016607348E+04	Apriori clockrate (us/s)	-1.7125650E-07	Resid phdelay (usec)	3.87833E-06	+/-	5.5E-09
Delay rate (us/s)	-2.77776308147E-01	Apriori rate (us/s)	-2.77776040910E-01	Resid rate (us/s)	-2.67237E-07	+/-	5.2E-11
Total phase (deg)	249.2	Apriori accel (us/s/s)	-9.23877031075E-06	Resid phase (deg)	120.3	+/-	0.2

	RMS	Theor.							
			Amplitude	26.454 +/- 0.039	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5			
ph/seg (deg)	29.1	0.4	Search (1024X32)	26.125	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		sb window (us)	-1.000	1.000
amp/seg (%)	15.7	0.7	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: enabled	mb window (us)	-0.016	0.016
ph/frq (deg)	7.2	0.2	Inc. seg. avg.	29.991	Sample rate(MSamp/s): 64		dr window (ns/s)	-0.011	0.011
amp/frq (%)	2.5	0.4	Inc. frq. avg.	26.432	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 G: az 185.9 el 22.1 pa 5.6 u,v (fr/asec) 1803.076 -7404.587 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c181b/v1_pc1/1234/No0035/AG..0D2G2A Output file: /Exps/c181b/v1_pc1/1234/No0035/AG.W.11.0D2G2A