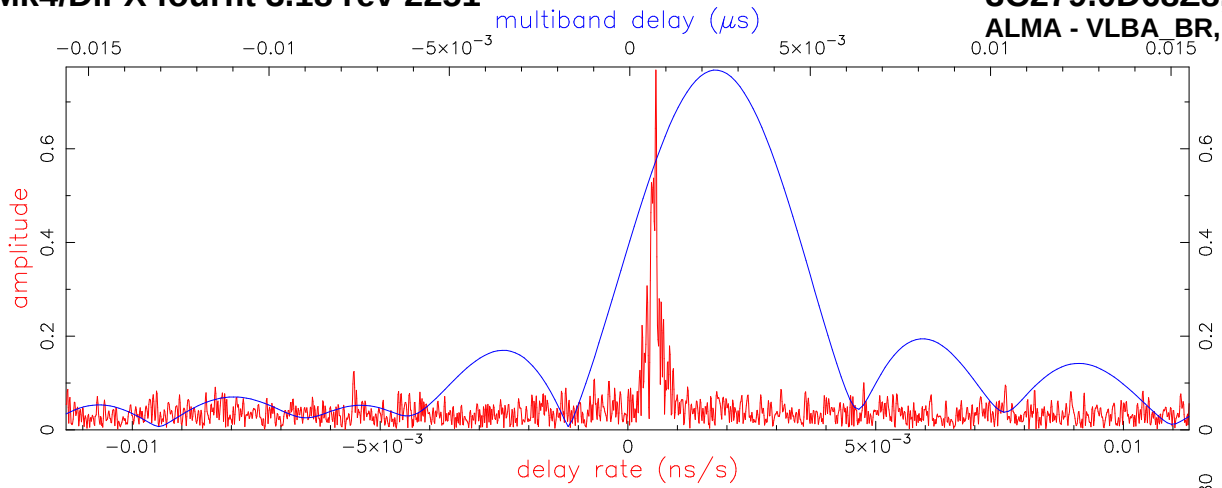
Mk4/DiFX fourfit 3.18 rev 2251

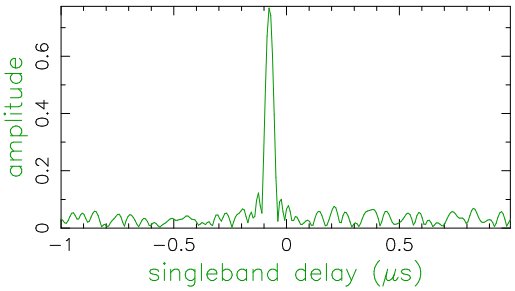
3C279.0D68Z8, No0035, Ab

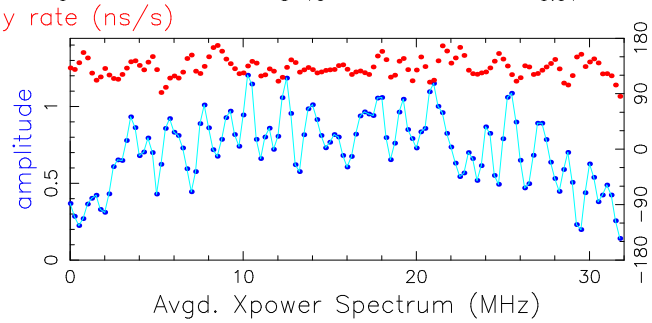
ALMA - VLBA_BR, fgroup W, pol LR



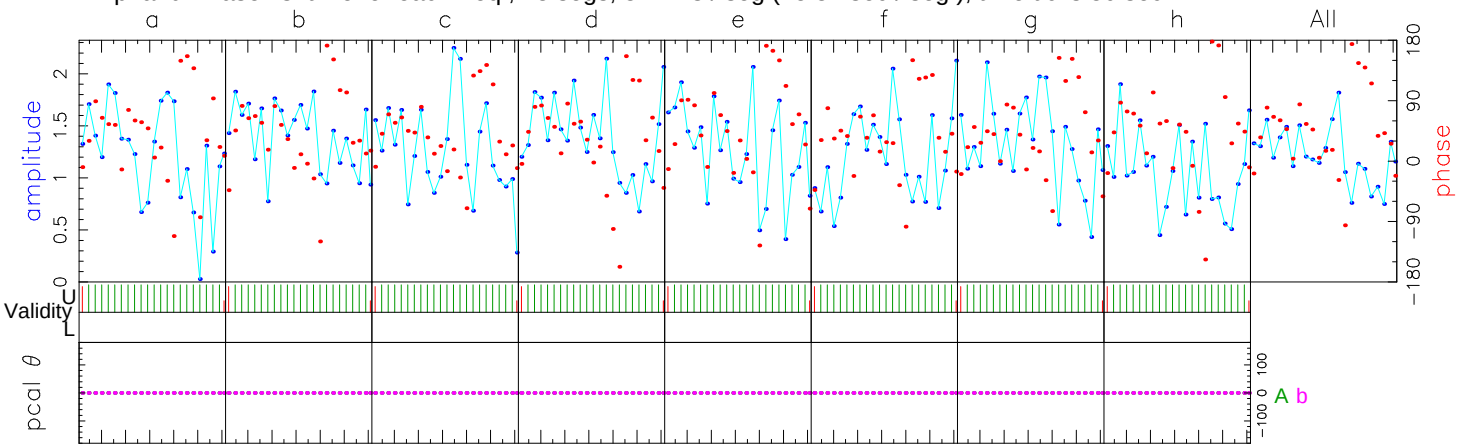
Fringe quality 7

SNR	28.2
Int time	354.836
Amp	0.775
Phase	-138.7
PFD	0.0e+00
Delays (us)	
SBD	-0.075775
MBD	0.002371
Fringe rate (Hz)	0.048991
Ion TEC	0.000
Ref freq (MHz)	86140.0000
AP (sec)	0.512
Exp.	c181a
Exper #	16383
Yr:day	2018:103
Start	031604.00
Stop	032159.84
FRT	031830.00
Corr/FF/build	2018:291:160104 2018:313:191809 2018:249:082454
RA & Dec (J2000)	12h56m11.1666s -5°47'21.525"





Amp. and Phase vs. time for each freq., 23 segs, 31 APs / seg (15.87 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
	38.6	41.8	40.3	42.2	53.6	36.4	31.6	49.1	Phase	41.3
	0.7	0.9	0.8	0.8	0.7	0.8	0.8	0.6	Ampl.	0.8
	119.6	119.3	119.1	119.8	118.9	119.2	119.0	119.7	Sbd box	119.3
U/L	694/0	694/0	694/0	694/0	694/0	694/0	694/0	694/0	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	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids	
									Tracks	

Group delay (usec)(sbd)	1.30927855011E+04	Apriori delay (usec)	1.30928768797E+04	Resid mbdelay (usec)	2.37142E-03	+/-	7.7E-05
Sband delay (usec)	1.30928011047E+04	Apriori clock (usec)	-2.0997737E+03	Resid sbdelay (usec)	-7.57750E-02	+/-	6.1E-04
Phase delay (usec)	1.30928768810E+04	Apriori clockrate (us/s)	-9.2700001E-07	Resid phdelay (usec)	1.33128E-06	+/-	1.3E-07
Delay rate (us/s)	-6.45165659708E-01	Apriori rate (us/s)	-6.45166228451E-01	Resid rate (us/s)	5.68742E-07	+/-	6.4E-10
Total phase (deg)	-348.1	Apriori accel (us/s/s)	-6.76673327166E-05	Resid phase (deg)	-138.7	+/-	4.1

	RMS	Theor.	Amplitude	0.775 +/- 0.027	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5		
ph/seg (deg)	60.3	9.7	Search (2048X32)	0.737	Pcal rate: 0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000	1.000
amp/seg (%)	67.5	17.0	Interp.	0.000	Bits/sample: 2x2 SampCntNorm: enabled	mb window (us)	-0.016	0.016
ph/frq (deg)	7.5	5.8	Inc. seg. avg.	1.208	Sample rate(MSamp/s): 64	dr window (ns/s)	-0.011	0.011
amp/frq (%)	11.2	10.0	Inc. frq. avg.	0.770	Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite	ion window (TEC)	0.00	0.00

A: az 36.5 el 69.2 pa -146.8 b: az 113.6 el 12.3 pa -38.3 u,v (fr/asec) 3604.427 -9435.230 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c181a/v2_ML006A/1234/No0035/Ab..0D68Z8 Output file: /Exps/c181a/v2_ML006A/1234/No0035/Ab.W.23.0D68Z8