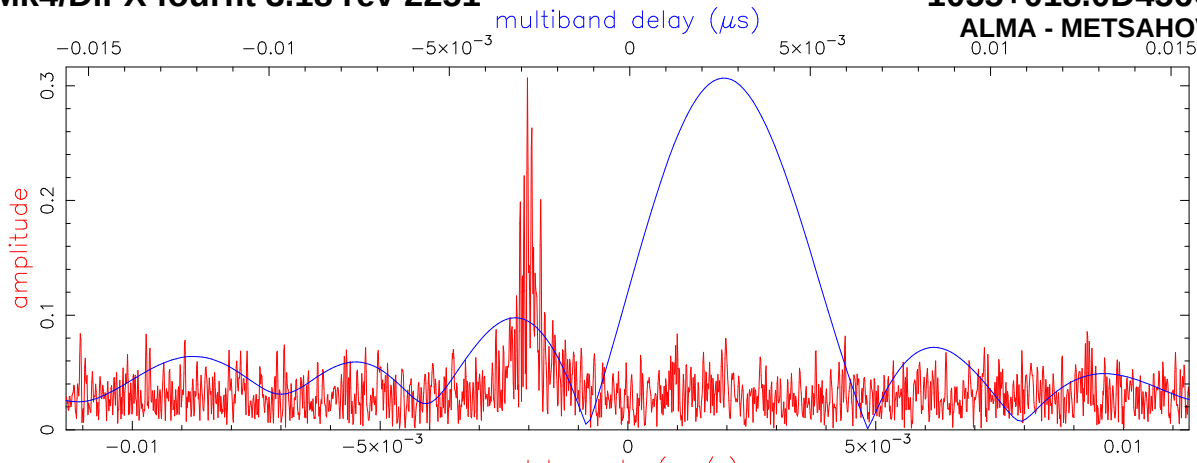
Mk4/DiFX fourfit 3.18 rev 2251

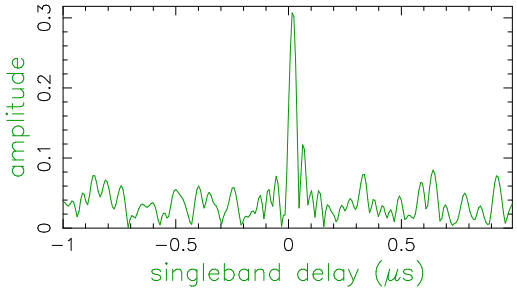
1055+018.0D456Q, No0023, AZ

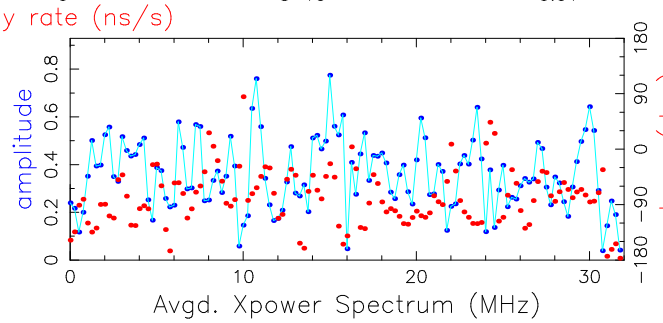
ALMA - METSAHOV, fgroup W, pol LR



Fringe quality 9

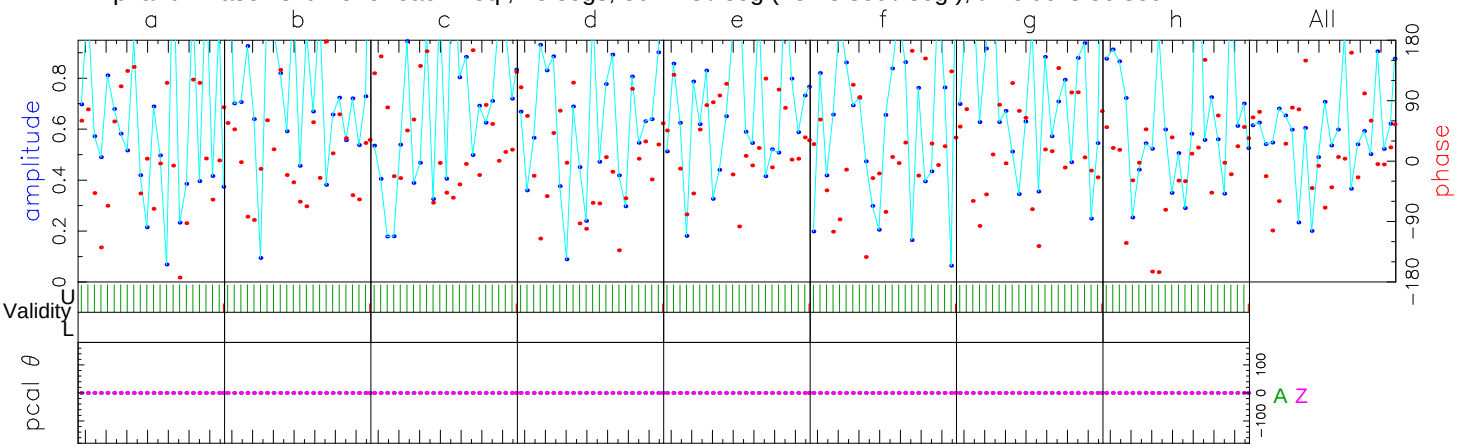
SNR 12.2
Int time 410.825
Amp 0.316
Phase 191.8
PFD 5.0e-26
Delays (us)
SBD 0.018932
MBD 0.002609
Fringe rate (Hz)
-0.174549
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512





Exp. c181d
Exper # 16383
Yr:day 2018:105
Start 220138.70
Stop 220829.84
FRT 220500.00
Corr/FF/build
2018:292:171312
2018:312:161629
2018:249:082454
RA & Dec (J2000)
10h58m29.6052s
+1°33'58.824"

Amp. and Phase vs. time for each freq., 23 segs, 36 APs / seg (18.43 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
	25.4	3.8	13.1	-4.3	32.1	-0.9	18.9	8.0	Phase	11.8
	0.2	0.4	0.3	0.3	0.4	0.3	0.3	0.3	Ampl.	0.3
	36.2	131.7	131.2	132.1	131.8	130.7	131.0	131.1	Sbd box	131.4
U/L	803/0	803/0	803/0	803/0	803/0	803/0	803/0	803/0	APs used	
A	0	0	0	0	0	0	0	0	PC freqs	
Z	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
A:Z	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
A:Z	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	
Z	1000	1000	1000	1000	1000	1000	1000	1000		
A	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids	
									Tracks	
Z	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids	
									Tracks	

Group delay (usec)(sbd)	-9.13954814981E+02	Apriori delay (usec)	-9.13988673543E+02	Resid mbdelay (usec)	2.60856E-03	+/-	1.8E-04
Sband delay (usec)	-9.13969741543E+02	Apriori clock (usec)	-2.1067766E+03	Resid sbdelay (usec)	1.89320E-02	+/-	1.4E-03
Phase delay (usec)	-9.13988673163E+02	Apriori clockrate (us/s)	6.6700004E-07	Resid phdelay (usec)	3.79749E-07	+/-	3.0E-07
Delay rate (us/s)	1.64408406175E+00	Apriori rate (us/s)	1.64408608809E+00	Resid rate (us/s)	-2.02634E-06	+/-	1.3E-09
Total phase (deg)	69.7	Apriori accel (us/s/s)	-9.97328093855E-06	Resid phase (deg)	191.8	+/-	9.4

	RMS	Theor.							
			Amplitude	0.316 +/- 0.026	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5			
ph/seg (deg)	67.5	22.5	Search (2048X32)	0.302	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		sb window (us)	-1.000	1.000
amp/seg (%)	101.7	39.2	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: enabled	mb window (us)	-0.016	0.016
ph/frq (deg)	13.8	13.2	Inc. seg. avg.	0.545	Sample rate(MSamp/s): 64		dr window (ns/s)	-0.011	0.011
amp/frq (%)	19.7	23.1	Inc. frq. avg.	0.309	Data rate(Mb/s): 1024	nlags: 128 t_cohere infinite	ion window (TEC)	0.00	0.00

A: az 75.1 el 28.0 pa -117.2 Z: az 217.9 el 25.9 pa 17.9 u,v (fr/asec) -9429.320 -11152.229 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c181d/v2_pc1/1234/No0023/AZ..0D456Q Output file: /Exps/c181d/v2_pc1/1234/No0023/AZ.W.47.0D456Q