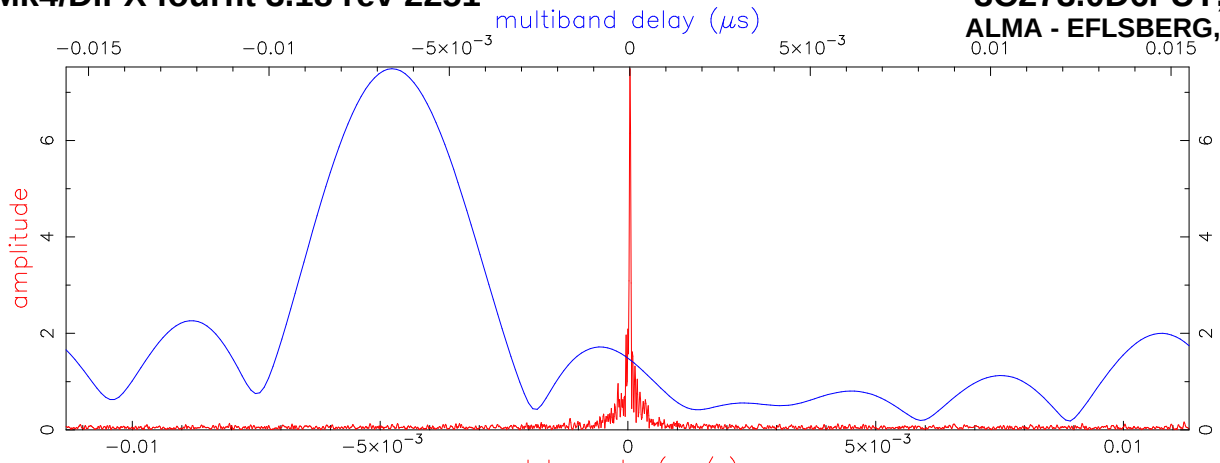
Mk4/DiFX fourfit 3.18 rev 2251

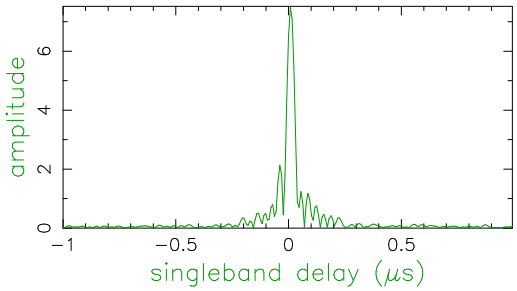
3C273.0D6FUT, No0199, AB

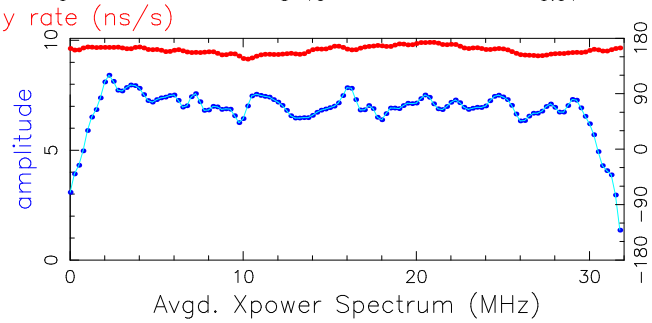
ALMA - EFLSBERG, fgroup W, pol LR



Fringe quality 7

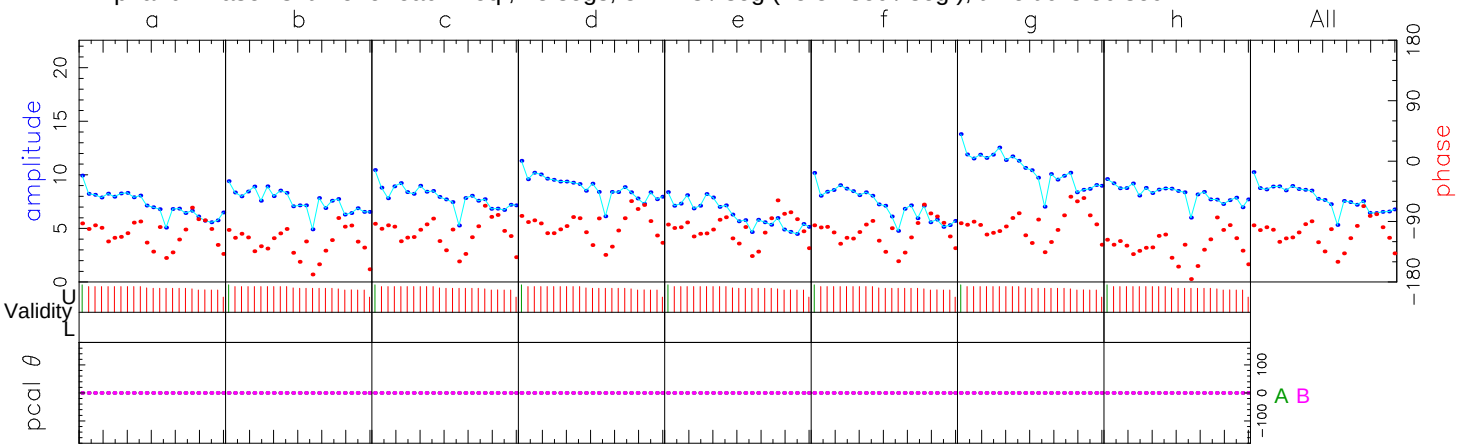
SNR 260.5
Int time 320.703
Amp 7.524
Phase 73.6
PFD 0.0e+00
Delays (us)
SBD 0.009529
MBD -0.006585
Fringe rate (Hz)
0.003577
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512





Exp. c181a
Exper # 16383
Yr:day 2018:104
Start 004500.00
Stop 005059.94
FRT 004800.00
Corr/FF/build
2018:291:164121
2018:313:223409
2018:249:082454
RA & Dec (J2000)
12h29m 6.6997s
+2°03' 8.598"

Amp. and Phase vs. time for each freq., 23 segs, 31 APs / seg (15.87 sec / seg.), time ticks 30 sec



									Freq (MHz)	All
	86124.00	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	Phase	-106.4
	-106.6	-120.6	-105.4	-95.7	-100.3	-105.7	-94.8	-126.4	Ampl.	7.6
	6.9	7.2	7.6	8.5	6.1	7.0	10.0	7.8	Sbd box	130.2
	130.7	130.6	130.2	130.3	129.2	131.1	129.8	129.9		
U/L	703/0	703/0	703/0	703/0	703/0	703/0	703/0	703/0	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)	4.99090926280E+02	Apriori delay (usec)	4.99066261195E+02	Resid mbdelay (usec)	-6.58491E-03	+/-	8.3E-06
Sband delay (usec)	4.99075789695E+02	Apriori clock (usec)	-2.1311951E+03	Resid sbdelay (usec)	9.52850E-03	+/-	6.6E-05
Phase delay (usec)	4.99066257764E+02	Apriori clockrate (us/s)	-7.9999999E-07	Resid phdelay (usec)	-3.43124E-06	+/-	1.4E-08
Delay rate (us/s)	1.48507846412E+00	Apriori rate (us/s)	1.48507842260E+00	Resid rate (us/s)	4.15286E-08	+/-	6.8E-11
Total phase (deg)	339.8	Apriori accel (us/s/s)	-1.84441530940E-05	Resid phase (deg)	73.6	+/-	0.4

	RMS	Theor.	Amplitude	7.524 +/- 0.029	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5		
ph/seg (deg)	19.3	1.1	Search (2048X32)	7.350	Pcal rate: 0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000	1.000
amp/seg (%)	15.7	1.8	Interp.	0.000	Bits/sample: 2x2 SampCntNorm: enabled	mb window (us)	-0.016	0.016
ph/frq (deg)	12.2	0.6	Inc. seg. avg.	7.874	Sample rate(MSamp/s): 64	dr window (ns/s)	-0.011	0.011
amp/frq (%)	14.8	1.1	Inc. frq. avg.	7.624	Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite	ion window (TEC)	0.00	0.00

A: az 64.4 el 42.0 pa -123.9 B: az 220.5 el 34.2 pa 24.0 u,v (fr/asec) -8536.772 -10319.979 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c181a/v2_ML006B/1234/No0199/AB..0D6FUT Output file: /Exps/c181a/v2_ML006B/1234/No0199/AB.W.3.0D6FUT