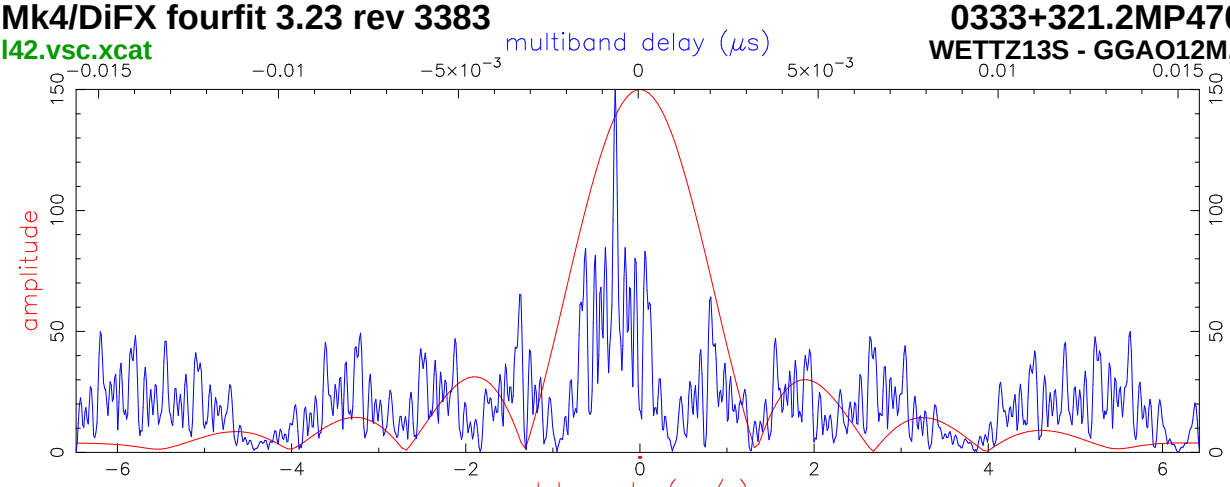
Mk4/DiFX fourfit 3.23 rev 3383

I42.vsc.xcat

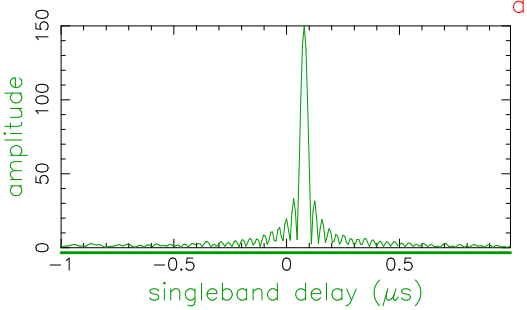
0333+321.2MP470, SIM001, LW

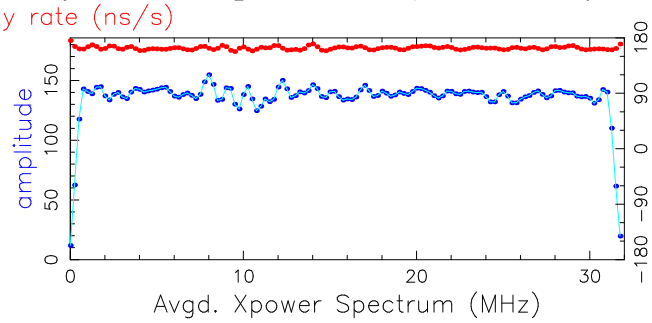
WETTZ13S - GGAO12M, fgroup X, pol RR



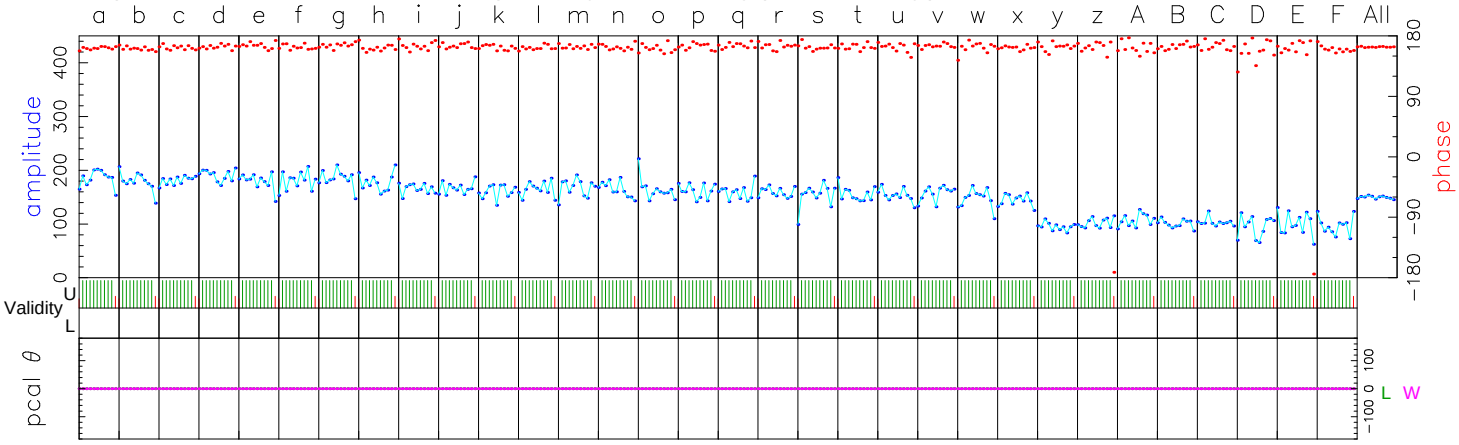
Fringe quality 8

SNR	209.8
Int time	0.250
Amp	150.077
Phase	163.4
PFD	0.0e+00
Delays (us)	
SBD	0.077732
MBD	-0.000640
Fringe rate (Hz)	-0.000907
Ion TEC	0.000
Ref freq (MHz)	3016.4000
AP (sec)	0.026
Exp.	sim
Exper #	1234
Yr:day	2020:028
Start	211345.00
Stop	211345.28
FRT	211345.00
Corr/FF/build	2023:072:135404 2023:072:152050 2022:343:140503
RA & Dec (J2000)	03h36m30.107611s +32°18'29.344021"





Amp. and Phase vs. time for each freq., 11 segs, 1 APs / seg (0.03 sec / seg.), time ticks 1 sec



	3016.40	3048.40	3080.40	3208.40	3304.40	3368.40	3432.40	3464.40	5256.40	5288.40	5320.40	5448.40	5544.40	5608.40	5672.40	5704.40	6376.40	6408.40	6440.40	6568.40	6664.40	6728.40	6792.40	6824.40	10216.40	10248.40	10280.40	10408.40	10504.40	10568.40	10632.40	10664.40	Freq (MHz)	All
	161.8	161.0	162.6	163.6	165.2	163.4	165.7	161.5	164.1	165.3	163.1	162.5	163.3	162.4	161.5	164.5	165.5	164.5	163.1	163.8	162.2	165.3	163.9	162.3	162.9	164.3	163.1	164.3	164.9	161.1	163.5	160.0	Phase	163.4
	187.8	179.5	181.4	189.7	181.2	181.6	187.0	174.4	165.2	166.5	159.9	166.2	169.3	165.3	161.1	160.0	157.2	158.6	156.3	152.8	153.7	158.2	150.2	146.1	94.7	100.3	106.8	101.4	103.1	94.1	99.6	93.6	Ampl.	150.0
	138.9	139.0	138.9	139.0	139.0	138.9	138.9	138.9	138.9	138.9	139.0	139.0	139.0	139.0	139.0	138.9	138.9	139.0	138.9	139.0	139.0	139.0	138.9	138.9	138.9	139.0	138.8	138.9	139.0	139.1	138.8	139.0	Sbd box	138.9
U/L	11/0	11/0	11/0	11/0	11/0	11/0	11/0	11/0	11/0	11/0	11/0	11/0	11/0	11/0	11/0	11/0	11/0	11/0	11/0	11/0	11/0	11/0	11/0	11/0	11/0	11/0	11/0	11/0	11/0	11/0	11/0	11/0	APs used	
L	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	PC freqs	
W	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	PC freqs	
L:W	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
L:W	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
L	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
W	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000		
L	X00UR	X01UR	X02UR	X03UR	X04UR	X05UR	X06UR	X07UR	X08UR	X09UR	X10UR	X11UR	X12UR	X13UR	X14UR	X15UR	X16UR	X17UR	X18UR	X19UR	X20UR	X21UR	X22UR	X23UR	X24UR	X25UR	X26UR	X27UR	X28UR	X29UR	X30UR	X31UR	Chan ids	
																																	Tracks	
W	X00UR	X01UR	X02UR	X03UR	X04UR	X05UR	X06UR	X07UR	X08UR	X09UR	X10UR	X11UR	X12UR	X13UR	X14UR	X15UR	X16UR	X17UR	X18UR	X19UR	X20UR	X21UR	X22UR	X23UR	X24UR	X25UR	X26UR	X27UR	X28UR	X29UR	X30UR	X31UR	Chan ids	
																																	Tracks	

Group delay (usec) (MODEL)	-6.39503906250E-04	Apriori delay (usec)	0.00000000000E+00	Resid mbdelay (usec)	-6.39504E-04	+/-	2.9E-07
Sband delay (usec)	7.77320000000E-02	Apriori clock (usec)	0.0000000E+00	Resid sbdelay (usec)	7.77320E-02	+/-	8.2E-05
Phase delay (usec)	1.50435483916E-04	Apriori clockrate (us/s)	0.0000000E+00	Resid phdelay (usec)	1.50435E-04	+/-	5.0E-07
Delay rate (us/s)	-3.00800000000E-07	Apriori rate (us/s)	0.00000000000E+00	Resid rate (us/s)	-3.00800E-07	+/-	3.1E-06
Total phase (deg)	163.4	Apriori accel (us/s/s)	0.00000000000E+00	Resid phase (deg)	163.4	+/-	0.5

	RMS	Theor.							
			Amplitude	150.077 +/- 0.715	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5			
ph/seg (deg)	0.6	0.9	Search (32X1024)	150.010	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		sb window (us)	-1.000	1.000
amp/seg (%)	1.5	1.6	Interp.	0.000	Bits/sample: 1x1	SampCntNorm: disabled	mb window (us)	-0.016	0.016
ph/frq (deg)	1.5	1.5	Inc. seg. avg.	150.029	Data rate(MSamp/s): 64 MBpts 1024 Amb 0.031 us		dr window (ns/s)	-0.010	0.010
amp/frq (%)	20.9	2.7	Inc. frq. avg.	150.031	Data rate(Mb/s): 2048	nlags: 128 t_cohere infinite	ion window (TEC)	0.00	0.00

L: az 259.5 el 53.3 pa 49.6 W: az 259.5 el 53.3 pa 49.6 u,v (fr/asec) 0.000 0.000 simultaneous interpolator

Control file: default Input file: /gpfs/cdata/simulation/SOFT/20230311/node03/VieRDS/OUT/2023_071_17_13_47/1234/SIM001/LW..2MP470 Output file: /gpfs/cdata/simulation/SOFT/20