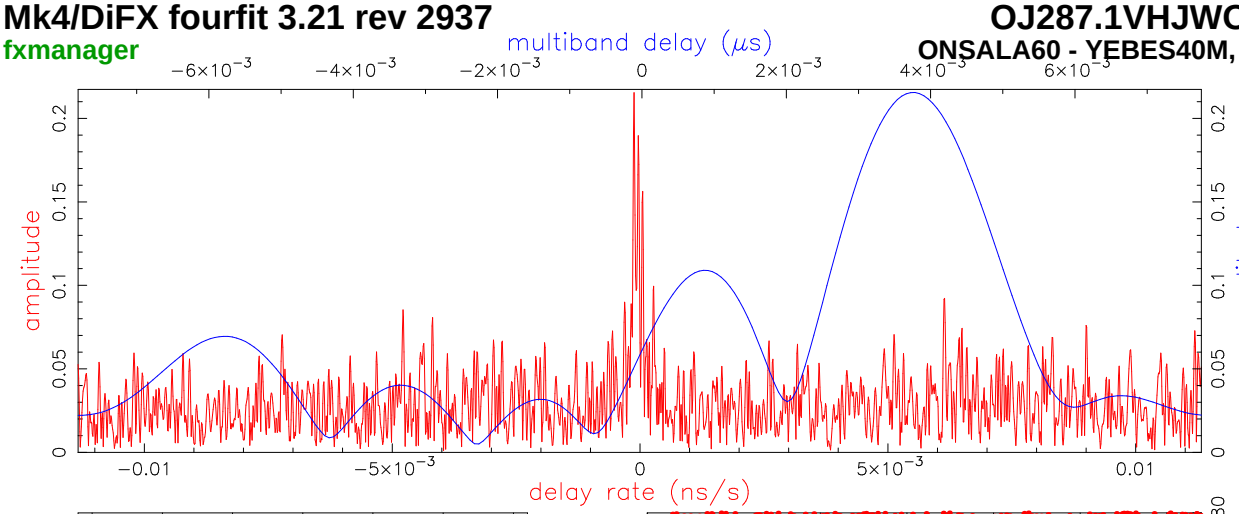
Mk4/DiFX fourfit 3.21 rev 2937

fxmanager

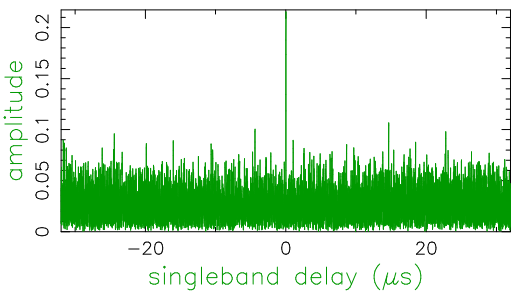
OJ287.1VHJWO, No0002, XY

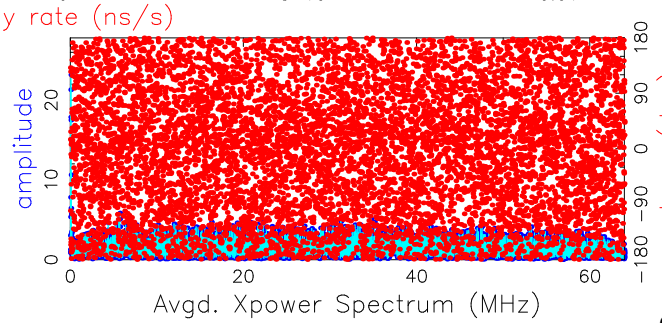
ONSALA60 - YEBES40M, fgroup W, pol LL



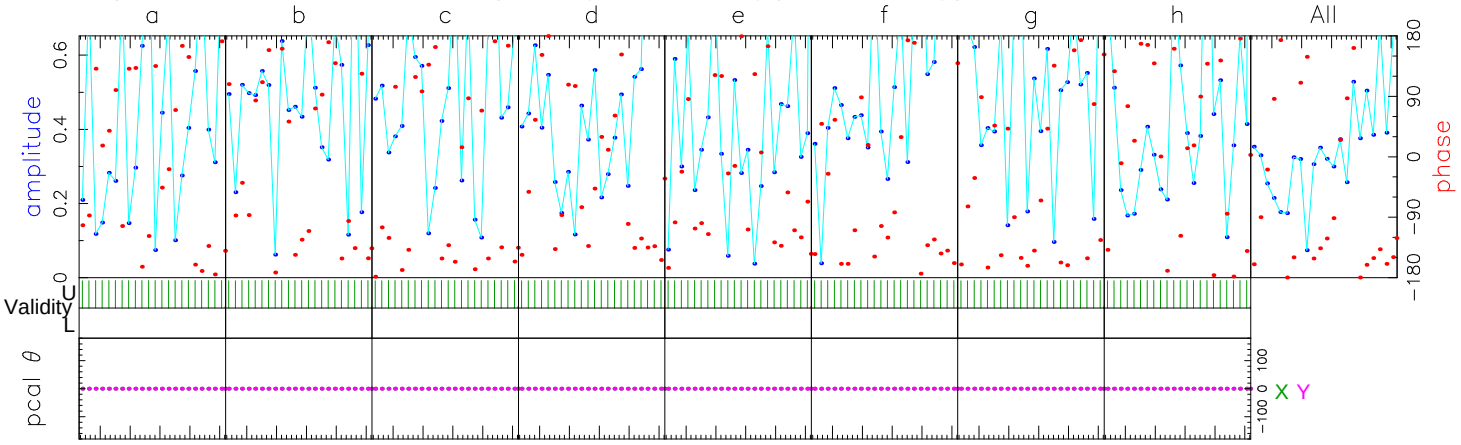
Fringe quality 9

SNR	10.0
Int time	281.578
Amp	0.217
Phase	-157.2
PFD	2.7e-13
Delays (us)	
SBD	0.020838
MBD	0.003794
Fringe rate (Hz)	-0.010363
Ion TEC	0.000
Ref freq (MHz)	86140.0000
AP (sec)	0.512
Exp.	f212a
Exper #	16383
Yr:day	2021:273
Start	121517.41
Stop	122000.03
FRT	121730.00
Corr/FF/build	2021:273:143800 2021:273:145248 2021:252:122852
RA & Dec (J2000)	08h54m48.874928s +20°06'30.640850"





Amp. and Phase vs. time for each freq., 23 segs, 25 APs / seg (12.80 sec / seg.), time ticks 10 sec



	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	-145.7	-176.9	-175.8	-134.4	-120.6	-147.6	-143.7	162.2	Phase	-157.2
	0.2	0.2	0.3	0.2	0.1	0.3	0.3	0.2	Ampl.	0.2
	13353.2	4270.0	8198.6	16179.8	13020.5	8198.5	14825.7	8200.3	Sbd box	8198.3
U/L	552/0	552/0	552/0	552/0	552/0	552/0	552/0	552/0	APs used	
X	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
Y	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
X:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
X:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
X	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
Y	1000	1000	1000	1000	1000	1000	1000	1000		
X	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids Tracks	
Y	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids Tracks	

Group delay (usec)(sbd)	-3.50059584991E+03	Apriori delay (usec)	-3.50061526870E+03	Resid mbdelay (usec)	3.79379E-03	+/-	1.1E-04
Sband delay (usec)	-3.50059443070E+03	Apriori clock (usec)	6.3341286E+01	Resid sbdelay (usec)	2.08380E-02	+/-	8.6E-04
Phase delay (usec)	-3.50061527377E+03	Apriori clockrate (us/s)	2.1750000E-06	Resid phdelay (usec)	-5.06926E-06	+/-	3.7E-07
Delay rate (us/s)	1.80268898128E-01	Apriori rate (us/s)	1.80269018436E-01	Resid rate (us/s)	-1.20308E-07	+/-	2.3E-09
Total phase (deg)	-245.8	Apriori accel (us/s/s)	2.64030479246E-05	Resid phase (deg)	-157.2	+/-	11.5

	RMS	Theor.	Amplitude	0.217 +/- 0.022	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5		
ph/seg (deg)	68.7	27.5	Search (2048X32)	0.213	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		sb window (us)	-32.000 32.000
amp/seg (%)	90.2	48.1	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: enabled	mb window (us)	-0.008 0.008
ph/frq (deg)	27.9	16.2	Inc. seg. avg.	0.313	Sample rate(MSamp/s): 128		dr window (ns/s)	-0.011 0.011
amp/frq (%)	26.7	28.4	Inc. frq. avg.	0.224	Data rate(Mb/s): 2048	nlags: 8192 t_cohere infinite	ion window (TEC)	0.00 0.00

X: az 265.2 el 27.0 pa 34.9 Y: az 264.0 el 38.6 pa 53.7 u,v (fr/asec) -1068.717 2365.251 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/f212a/FRINGE/1234/No0002/XY..1VHJWO Output file: /Exps/f212a/FRINGE/1234/No0002/XY.W.17.1VHJWO