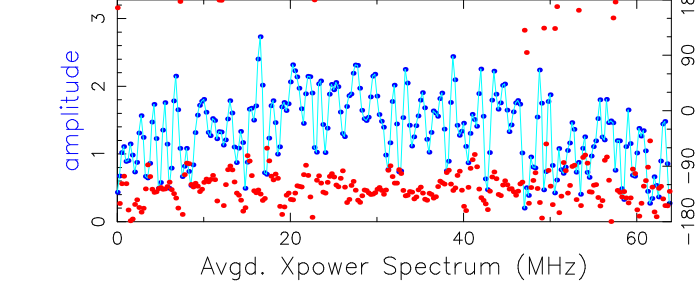
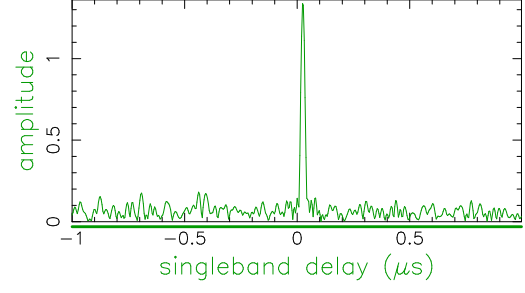


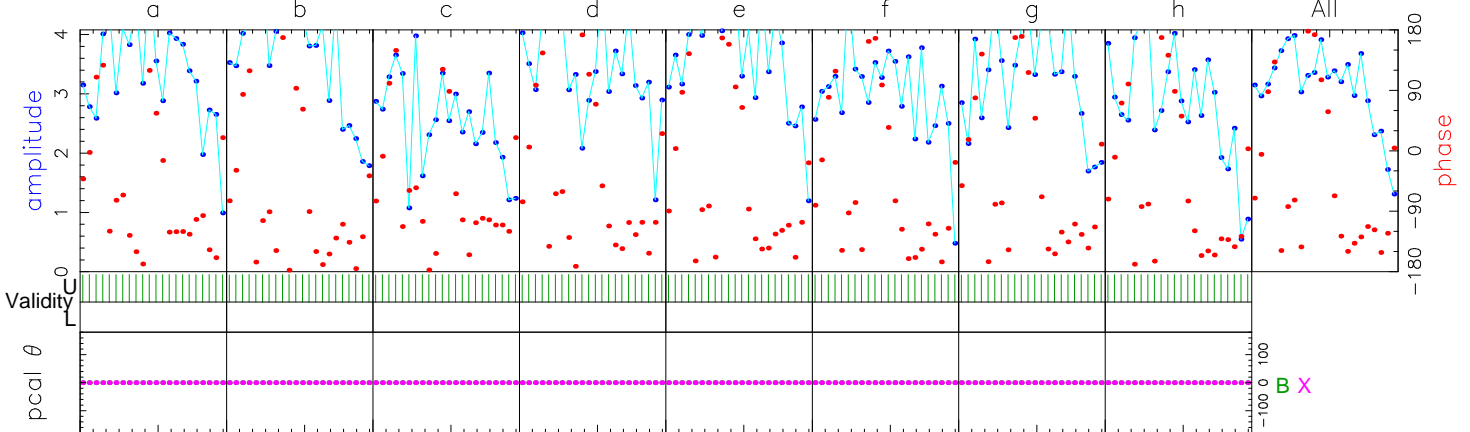
Fringe quality 7

SNR 27.9
Int time 56.272
Amp 1.360
Phase -133.2
PFD 0.0e+00
Delays (us)
SBD 0.025194
MBD -0.005648
Fringe rate (Hz)
-0.006354
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512

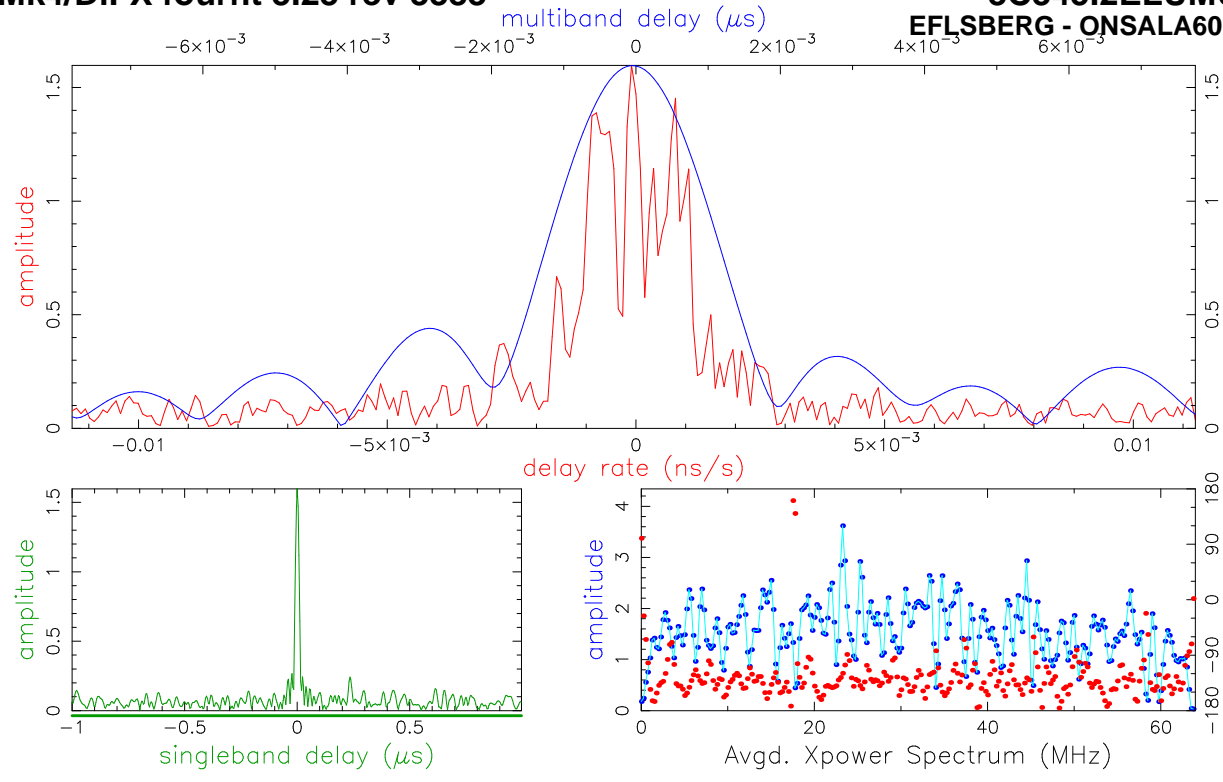
Exp. f222a
Exper # 1234
Yr:day 2022:279
Start 120000.00
Stop 120056.32
FRT 120230.00
Corr/FF/build
2022:280:070557
2022:280:070602
2021:298:074129
RA & Dec (J2000)
16h42m58.809971s
+39°48'36.993958"



Amp. and Phase vs. time for each freq., 22 segs, 5 APs / seg (2.56 sec / seg.), time ticks 5 sec



	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All	
	-123.4	-149.2	-114.9	-117.4	-141.9	-137.1	-136.6	-139.2	Phase	-133.2	
	1.4	1.6	1.1	1.5	1.7	1.3	1.3	1.0	Ampl.	1.4	
	263.1	263.5	263.9	263.8	263.1	263.3	263.9	263.5	Sbd box	263.4	
U/L	110/0	110/0	110/0	110/0	110/0	110/0	110/0	110/0	APs used		
B	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs		
X	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs		
B:X	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase		
B:X	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC		
B	1000	1000	1000	1000	1000	1000	1000	1000	PC amp		
X	1000	1000	1000	1000	1000	1000	1000	1000			
B	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids		
X	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Tracks		
									Chan ids		
									Tracks		
Group delay (usec) (SBD)	-5.71941983873E+02		Apriori delay (usec)		-5.71967586173E+02		Resid mbdelay (usec)		-5.64770E-03	+/- 3.9E-05	
Sband delay (usec)	-5.71942391673E+02		Apriori clock (usec)		-1.1079712E+02		Resid sbdelay (usec)		2.51945E-02	+/- 3.1E-04	
Phase delay (usec)	-5.71967590469E+02		Apriori clockrate (us/s)		-8.1200004E-07		Resid phdelay (usec)		-4.29662E-06	+/- 1.3E-07	
Delay rate (us/s)	1.25816355762E-01		Apriori rate (us/s)		1.25816429521E-01		Resid rate (us/s)		-7.37580E-08	+/- 4.1E-09	
Total phase (deg)			Apriori accel (us/s/s)		-2.64707682764E-06		Resid phase (deg)		-133.2	+/- 4.1	
	RMS	Theor.	Amplitude	1.360 +/- 0.049	Pcal mode: MANUAL, MANUAL		PC period (AP's) 5, 5				
ph/seg (deg)	76.3	9.6	Search (256X32)	1.316	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		sb window (us)		-1.000	1.000	
amp/seg (%)	138.2	16.8	Interp.	0.000	Bits/sample: 2x2		SampCntNorm: enabled		mb window (us)	-0.008	0.008
ph/frq (deg)	13.4	5.8	Inc. seg. avg.	3.075	Data rate(MSamp/s): 128 MBpts 32 Amb 0.016 us		dr window (ns/s)		-0.011	0.011	
amp/frq (%)	17.4	10.1	Inc. frq. avg.	1.358	Data rate(Mb/s): 2048		nlags: 256 t_cohere infinite		ion window (TEC)	0.00	0.00
B: az 88.3 el 54.6 pa -55.8	X: az 102.9 el 56.9 pa -43.0		u,v (fr/asec) -942.163 -645.081						simultaneous interpolator		
Control file: cf_1234_gmva	Input file: /Exps/f222a/FRINGE/janw/1234/No0001/BX..2ELUMU		Output file: /Exps/f222a/FRINGE/janw/1234/No0001/BX.W.16.2ELUMU								

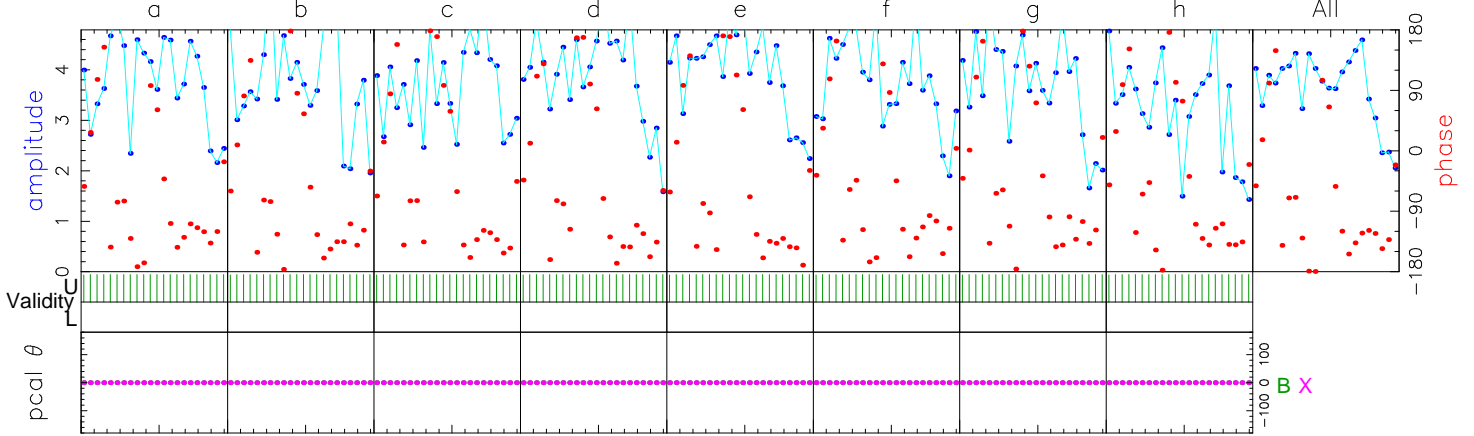


Fringe quality 7

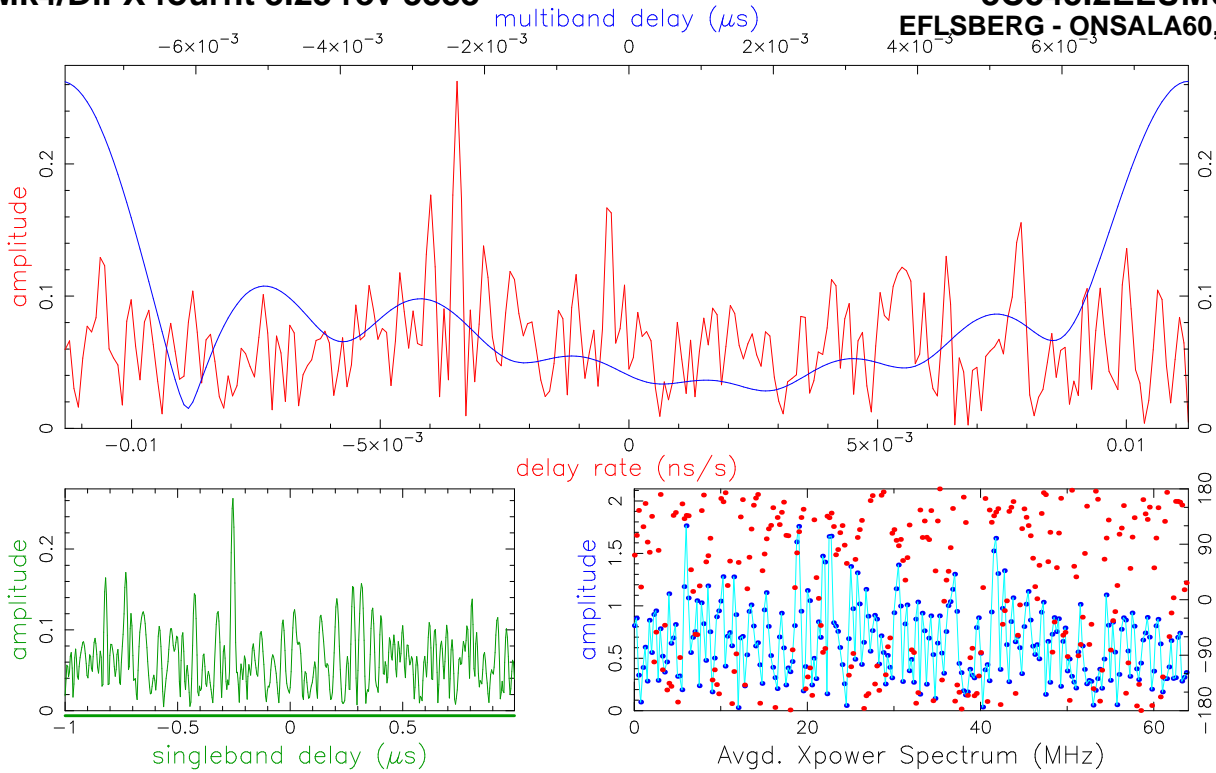
SNR 32.8
Int time 56.272
Amp 1.597
Phase -129.8
PFD 0.0e+00
Delays (us)
SBD 0.000166
MBD -0.000045
Fringe rate (Hz)
-0.004970
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512

Exp. f222a
Exper # 1234
Yr:day 2022:279
Start 120000.00
Stop 120056.32
FRT 120230.00
Corr/FF/build
2022:280:070557
2022:280:070601
2021:298:074129
RA & Dec (J2000)
16h42m58.809971s
+39°48'36.993958"

Amp. and Phase vs. time for each freq., 22 segs, 5 APs / seg (2.56 sec / seg.), time ticks 5 sec

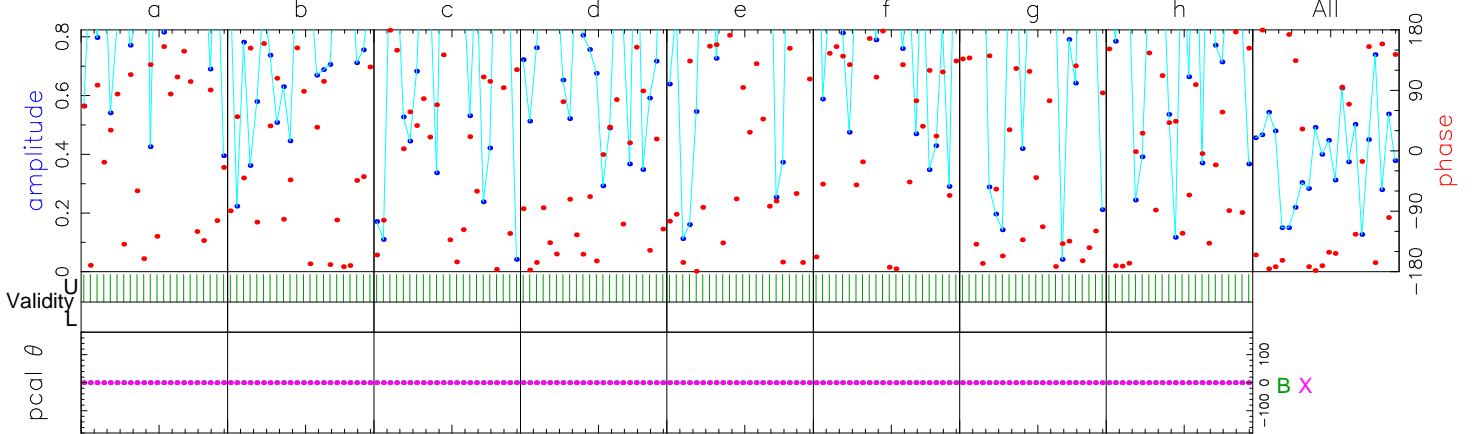


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All		
	-119.1	-127.3	-135.4	-140.2	-144.0	-120.7	-123.2	-127.3	Phase	-129.8		
	1.7	1.7	1.8	1.6	1.7	1.6	1.5	1.4	Ampl.	1.6		
	257.0	256.6	257.6	257.2	257.2	257.2	257.1	256.1	Sbd box	257.0		
U/L	110/0	110/0	110/0	110/0	110/0	110/0	110/0	110/0	APs used			
B	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs			
X	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs			
B:X	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase			
B:X	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC			
B	1000	1000	1000	1000	1000	1000	1000	1000	PC amp			
X	1000	1000	1000	1000	1000	1000	1000	1000				
B	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids			
X	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Tracks			
									Chan ids			
									Tracks			
Group delay (usec) (SBD)	-5.71967630685E+02		Apriori delay (usec)		-5.71967586173E+02		Resid mbdelay (usec)		-4.45128E-05	+/- 3.3E-05		
Sband delay (usec)	-5.71967419923E+02		Apriori clock (usec)		-1.1079712E+02		Resid sbdelay (usec)		1.66250E-04	+/- 2.6E-04		
Phase delay (usec)	-5.71967590358E+02		Apriori clockrate (us/s)		-8.1200004E-07		Resid phdelay (usec)		-4.18510E-06	+/- 1.1E-07		
Delay rate (us/s)	1.25816371821E-01		Apriori rate (us/s)		1.25816429521E-01		Resid rate (us/s)		-5.76993E-08	+/- 3.5E-09		
Total phase (deg)			Apriori accel (us/s/s)		-2.64707682764E-06		Resid phase (deg)		-129.8	+/- 3.5		
	RMS	Theor.	Amplitude	1.597 +/- 0.049		Pcal mode: MANUAL, MANUAL		PC period (AP's) 5, 5				
ph/seg (deg)	75.3	8.2	Search (256X32)	1.567		Pcal rate: 0.000E+00, 0.000E+00 (us/s)		sb window (us)	-1.000	1.000		
amp/seg (%)	135.3	14.3	Interp.	0.000		Bits/sample: 2x2		SampCntNorm: enabled	mb window (us)	-0.008	0.008	
ph/frq (deg)	9.9	4.9	Inc. seg. avg.	3.614		Data rate(MSamp/s): 128 MBpts 32 Amb 0.016 us		dr window (ns/s)	-0.011	0.011		
amp/frq (%)	7.7	8.6	Inc. frq. avg.	1.609		Data rate(Mb/s): 2048		nlags: 256	t_cohere infinite	ion window (TEC)	0.00	0.00
B: az 88.3 el 54.6 pa -55.8	X: az 102.9 el 56.9 pa -43.0		u, v (fr/asec) -942.163 -645.081						simultaneous interpolator			
Control file: cf_1234_gmva	Input file: /Exps/f222a/FRINGE/janw/1234/No0001/BX..2ELUMU		Output file: /Exps/f222a/FRINGE/janw/1234/No0001/BX.W.10.2ELUMU									



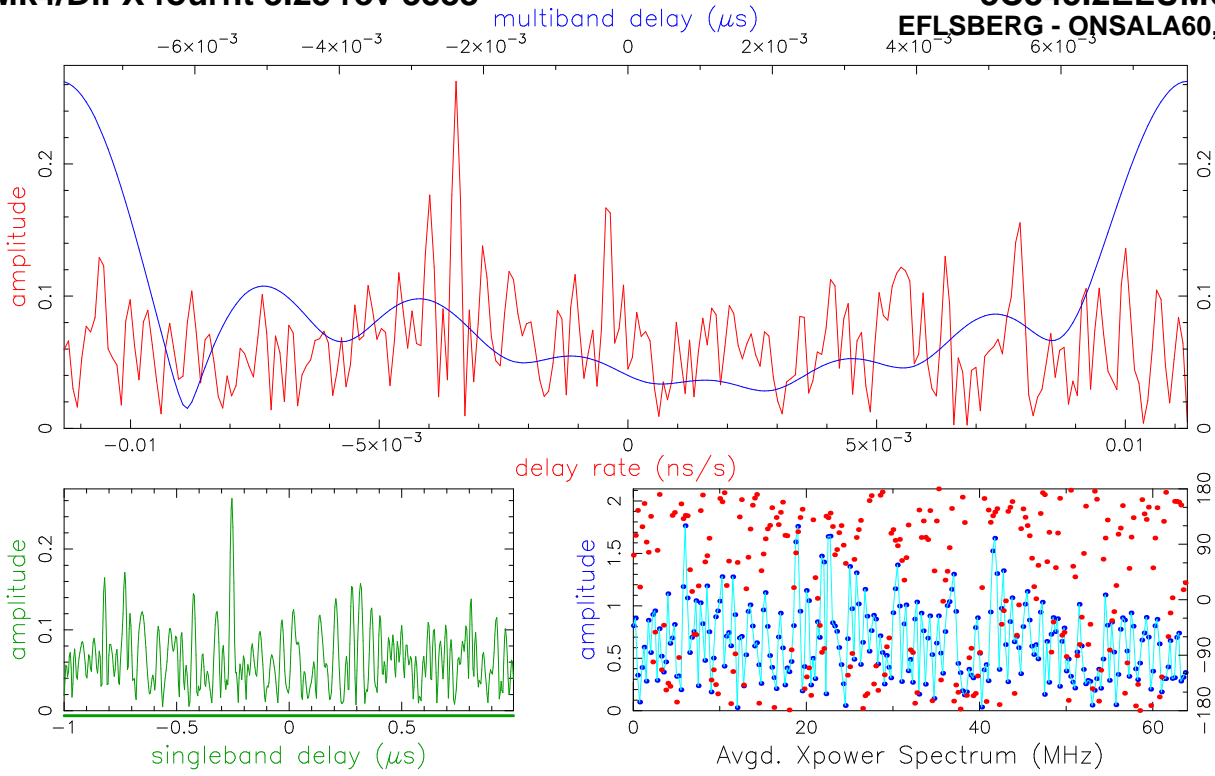
Fringe quality 0
SNR 5.4
Int time 56.272
Amp 0.275
Phase -178.7
PFD 8.3e-01
Delays (us)
SBD -0.254888
MBD -0.007893
Fringe rate (Hz)
-0.299976
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512
Exp. f222a
Exper # 1234
Yr:day 2022:279
Start 120000.00
Stop 120056.32
FRT 120230.00
Corr/FF/build
2022:280:070557
2022:280:070603
2021:298:074129
RA & Dec (J2000)
16h42m58.809971s
+39°48'36.993958"

Amp. and Phase vs. time for each freq., 22 segs, 5 APs / seg (2.56 sec / seg.), time ticks 5 sec



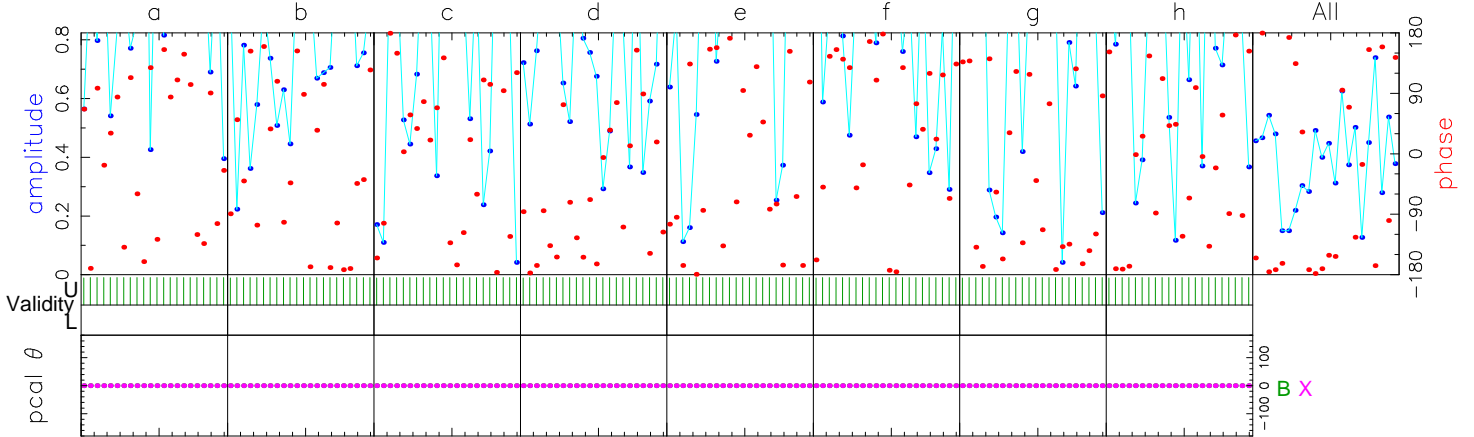
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
Group delay (usec) (SBD)	166.9	-168.6	147.8	-134.3	-155.8	152.5	174.2	-168.5	Phase	-178.7
Sband delay (usec)	0.3	0.2	0.2	0.3	0.3	0.3	0.4	0.3	Ampl.	0.3
Phase delay (usec)	263.6	22.9	52.8	504.3	121.3	70.7	39.7	89.8	Sbd box	191.7
Delay rate (us/s)	U/L 110/0	110/0	110/0	110/0	110/0	110/0	110/0	110/0	APs used	
Total phase (deg)	B 1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
	X 1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
	B:X 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
	B:X 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
	B 1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
	X 1000	1000	1000	1000	1000	1000	1000	1000		
	B W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids	
	X W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Tracks	
									Tracks	
Apriori delay (usec)									Resid mbdelay (usec)	-7.89291E-03 +/- 2.0E-04
Apriori clock (usec)									Resid sbdelay (usec)	-2.54888E-01 +/- 1.6E-03
Apriori clockrate (us/s)									Resid phdelay (usec)	-5.76251E-06 +/- 6.8E-07
Apriori rate (us/s)									Resid rate (us/s)	-3.48242E-06 +/- 2.1E-08
Apriori accel (us/s/s)									Resid phase (deg)	-178.7 +/- 21.2

ph/seg (deg) 62.3 49.6 Search (256X32) 0.275 +/- 0.051 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 76.8 86.6 Interp. 0.250 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 28.6 29.9 Inc. seg. avg. 0.300 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 amp/frq (%) 27.9 52.2 Inc. frq. avg. 0.264 Data rate(MSamp/s): 128 MBpts 32 Amb 0.016 us dr window (ns/s) -0.011 0.011
 Data rate(Mb/s): 2048 nlags: 256 t_cohere infinite ion window (TEC) 0.00 0.00
 B: az 88.3 el 54.6 pa -55.8 X: az 102.9 el 56.9 pa -43.0 u,v (fr/asec) -942.163 -645.081 simultaneous interpolator
 Control file: cf_1234_gmva Input file: /Exps/f222a/FRINGE/janw/1234/No0001/BX..2ELUMU Output file: /Exps/f222a/FRINGE/janw/1234/No0001/BX.W.26.2ELUMU



Fringe quality 0
 SNR 5.4
 Int time 56.272
 Amp 0.275
 Phase -178.7
 PFD 8.3e-01
 Delays (us)
 SBD -0.254888
 MBD -0.007893
 Fringe rate (Hz)
 -0.299976
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.512
 Exp. f222a
 Exper # 1234
 Yr:day 2022:279
 Start 120000.00
 Stop 120056.32
 FRT 120230.00
 Corr/FF/build
 2022:280:070557
 2022:280:070603
 2021:298:074129
 RA & Dec (J2000)
 16h42m58.809971s
 +39°48'36.993958"

Amp. and Phase vs. time for each freq., 22 segs, 5 APs / seg (2.56 sec / seg.), time ticks 5 sec



	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
Group delay (usec) (SBD)	166.9	-168.6	147.8	-134.3	-155.8	152.5	174.2	-168.5	Phase	-178.7
Sband delay (usec)	0.3	0.2	0.2	0.3	0.3	0.3	0.4	0.3	Ampl.	0.3
Phase delay (usec)	263.6	22.9	52.8	504.3	121.3	70.7	39.7	89.8	Sbd box	191.7
Delay rate (us/s)	U/L 110/0	110/0	110/0	110/0	110/0	110/0	110/0	110/0	APs used	
Total phase (deg)	B 1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
	X 1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
	B:X 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
	B:X 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
	B 1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
	X 1000	1000	1000	1000	1000	1000	1000	1000		
	B W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids	
	X W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Tracks	
									Tracks	
Group delay (usec) (SBD)		-5.72225479079E+02		Apriori delay (usec)	-5.71967586173E+02		Resid mbdelay (usec)	-7.89291E-03		+/- 2.0E-04
Sband delay (usec)		-5.72222474173E+02		Apriori clock (usec)	-1.1079712E+02		Resid sbdelay (usec)	-2.54888E-01		+/- 1.6E-03
Phase delay (usec)		-5.71967591935E+02		Apriori clockrate (us/s)	-8.1200004E-07		Resid phdelay (usec)	-5.76251E-06		+/- 6.8E-07
Delay rate (us/s)		1.25812947102E-01		Apriori rate (us/s)	1.25816429521E-01		Resid rate (us/s)	-3.48242E-06		+/- 2.1E-08
Total phase (deg)		-132.9		Apriori accel (us/s/s)	-2.64707682764E-06		Resid phase (deg)	-178.7		+/- 21.2
	RMS	Theor.	Amplitude	0.275 +/- 0.051		PCal mode: MANUAL, MANUAL	PC period (AP's) 5, 5			
ph/seg (deg)	62.3	49.6	Search (256X32)	0.250		PCal rate: 0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000	1.000	
amp/seg (%)	76.8	86.6	Interp.	0.000		Bits/sample: 2x2	SampCntNorm: enabled	mb window (us)	-0.008	0.008
ph/frq (deg)	28.6	29.9	Inc. seg. avg.	0.300		Data rate(MSamp/s): 128 MBpts 32 Amb 0.016 us	dr window (ns/s)	-0.011	0.011	
amp/frq (%)	27.9	52.2	Inc. frq. avg.	0.264		Data rate(Mb/s): 2048	nlags: 256 t_cohere infinite	ion window (TEC)	0.00	0.00
B: az 88.3 el 54.6 pa -55.8			X: az 102.9 el 56.9 pa -43.0			u,v (fr/asec) -942.163 -645.081				simultaneous interpolator
Control file: cf_1234_gmva			Input file: /Exps/f222a/FRINGE/janw/1234/No0001/BX..2ELUMU			Output file: /Exps/f222a/FRINGE/janw/1234/No0001/BX.W.26.2ELUMU				