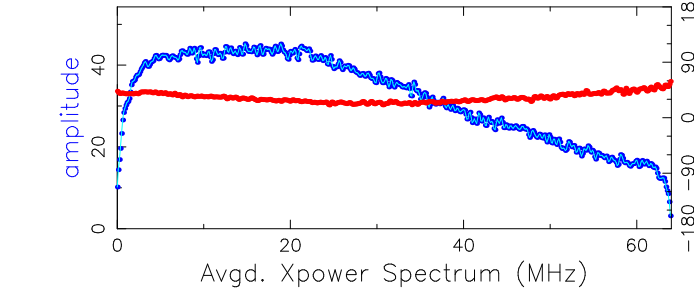
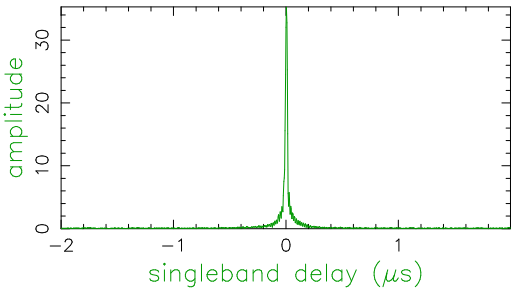


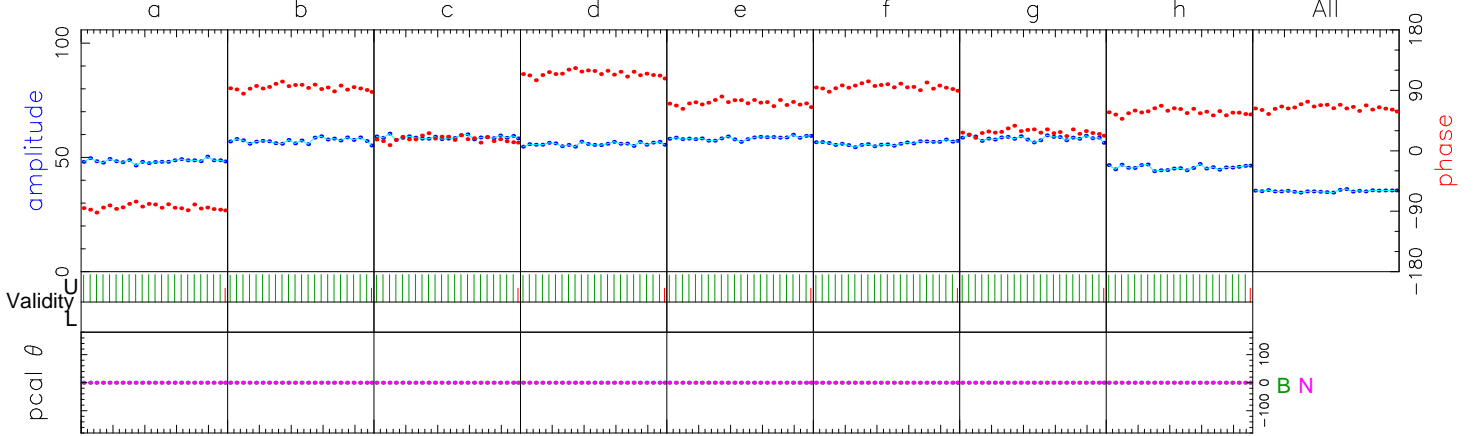
Fringe quality 5

SNR 646.3
Int time 44.957
Amp 35.291
Phase 64.2
PFD 0.0e+00
Delays (us)
SBD 0.004182
MBD 0.001284
Fringe rate (Hz)
-0.053469
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.500



Exp. c221c
Exper # 16383
Yr:day 2022:093
Start 184500.00
Stop 184545.00
FRT 184830.00
Corr/FF/build
2022:210:093316
2022:210:093804
2021:041:141600
RA & Dec (J2000)
08h54m48.874928s
+20°06'30.640850"

Amp. and Phase vs. time for each freq., 23 segs, 4 APs / seg (2.00 sec / seg.), time ticks 2 sec



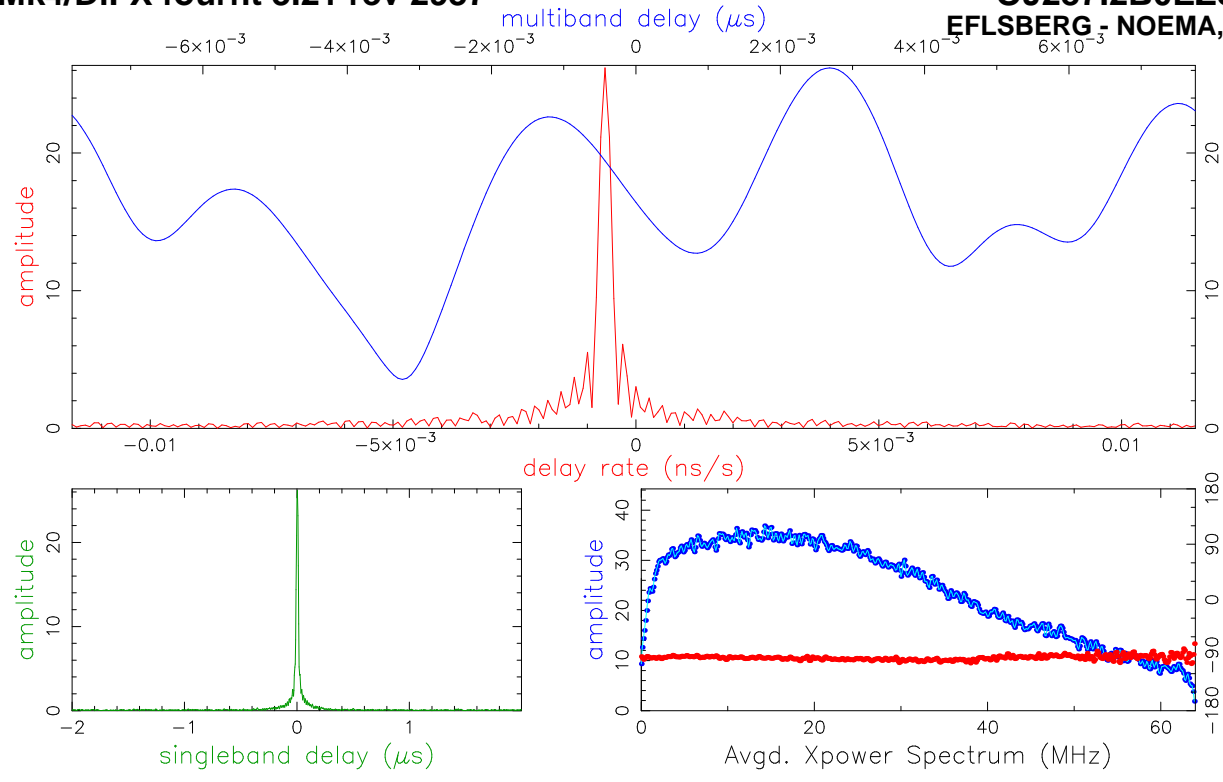
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
U/L	90/0	90/0	90/0	90/0	90/0	90/0	90/0	90/0		
B	0	0	0	0	0	0	0	0	APs used	
N	0	0	0	0	0	0	0	0	PC freqs	
B:N	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
B:N	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
B	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
N	1000	1000	1000	1000	1000	1000	1000	1000		
B	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids	
N	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Tracks	

Group delay (usec)(sbd)	-9.38791572907E+02	Apriori delay (usec)	-9.38792856493E+02	Resid mbdelay (usec)	1.28359E-03	+/-	1.7E-06
Sband delay (usec)	-9.38788674243E+02	Apriori clock (usec)	-1.6681057E+01	Resid sbdelay (usec)	4.18225E-03	+/-	1.3E-05
Phase delay (usec)	-9.38792854423E+02	Apriori clockrate (us/s)	8.2399999E-07	Resid phdelay (usec)	2.07056E-06	+/-	5.7E-09
Delay rate (us/s)	-4.20258685086E-02	Apriori rate (us/s)	-4.20252477924E-02	Resid rate (us/s)	-6.20716E-07	+/-	2.2E-10
Total phase (deg)	-172.8	Apriori accel (us/s/s)	7.57646570297E-06	Resid phase (deg)	64.2	+/-	0.2

ph/seg (deg)	3.9	RMS	35.291 +/- 0.055	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5	
amp/seg (%)	1.0	Theor.	0.000	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-2.000 2.000	
ph/frq (deg)	70.7	Search (256X32)	34.975	Bits/sample:	2x2	SampCntNorm: enabled	mb window (us)	-0.008 0.008
amp/frq (%)	57.0	Interp.	0.000	Sample rate (MSamp/s):	128	dr window (ns/s)	-0.012 0.012	
		Inc. seg. avg.	35.357	Data rate (Mb/s):	2048	ion window (TEC)	0.00 0.00	
		Inc. frq. avg.	54.836	nlags:	512	t_cohere	infinite	

B: az 154.8 el 57.5 pa -16.7 N: az 148.2 el 62.4 pa -22.8 u,v (fr/asec) 267.252 791.677 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c221c/FRINGE/3mm/1234/No0267/BN..2B0EZS Output file: /Exps/c221c/FRINGE/3mm/1234/No0267/BN.W.41.2B0EZS

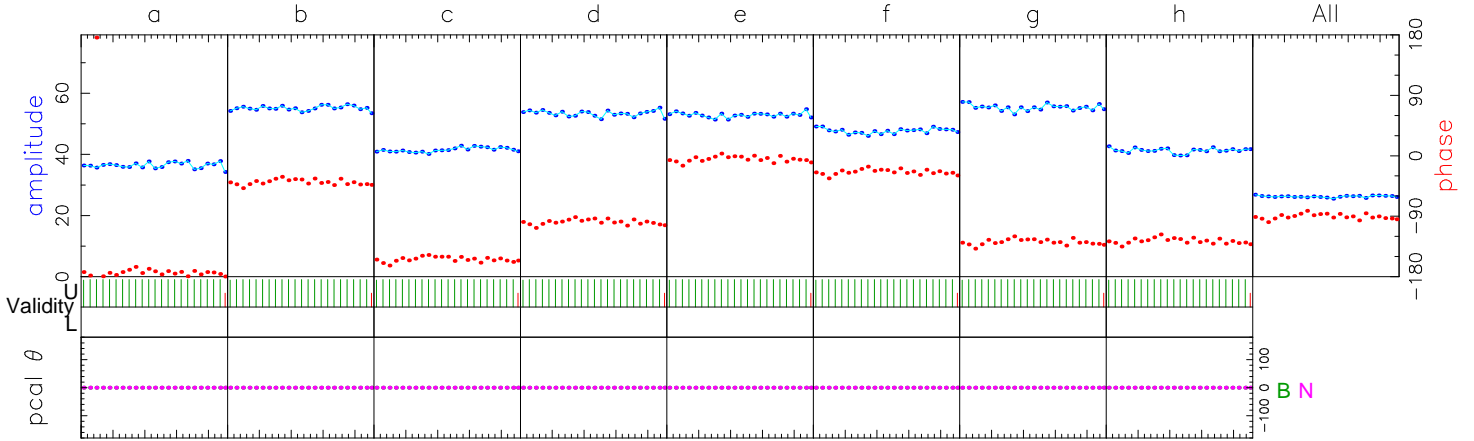


Fringe quality 5

SNR 482.9
Int time 44.957
Amp 26.369
Phase -90.4
PFD 0.0e+00
Delays (us)
SBD 0.002837
MBD 0.002682
Fringe rate (Hz)
-0.053482
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.500

Exp. c221c
Exper # 16383
Yr:day 2022:093
Start 184500.00
Stop 184545.00
FRT 184830.00
Corr/FF/build
2022:210:093316
2022:210:093805
2021:041:141600
RA & Dec (J2000)
08h54m48.874928s
+20°06'30.640850"

Amp. and Phase vs. time for each freq., 23 segs, 4 APs / seg (2.00 sec / seg.), time ticks 2 sec

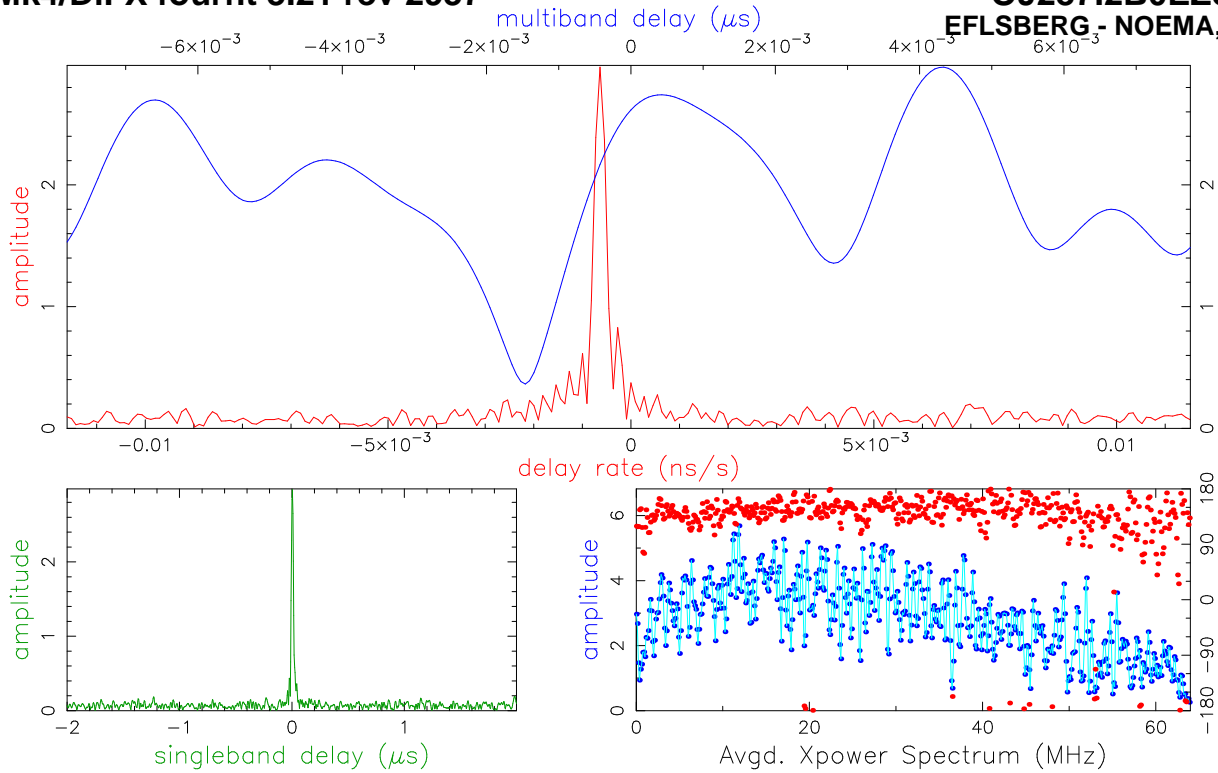


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	-174.4	-39.1	-154.1	-98.5	-4.9	-24.0	-128.2	-126.6	Phase	-90.4
	36.5	55.1	41.5	53.4	52.8	47.7	55.3	41.2	Ampl.	47.9
	511.8	513.8	514.5	514.3	514.7	514.5	514.3	512.8	Sbd box	513.7
U/L	90/0	90/0	90/0	90/0	90/0	90/0	90/0	90/0	APs used	
B	0	0	0	0	0	0	0	0	PC freqs	
N	0	0	0	0	0	0	0	0	PC freqs	
B:N	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
B:N	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
B	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
N	1000	1000	1000	1000	1000	1000	1000	1000		
B	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids	
N	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Tracks	
									Chan ids	
									Tracks	
Group delay (usec)(sbd)	-9.38790174876E+02		Apriori delay (usec)		-9.38792856493E+02		Resid mbdelay (usec)		2.68162E-03	+/- 2.2E-06
Sband delay (usec)	-9.38790019493E+02		Apriori clock (usec)		-1.6681057E+01		Resid sbdelay (usec)		2.83700E-03	+/- 1.8E-05
Phase delay (usec)	-9.38792859408E+02		Apriori clockrate (us/s)		8.2399999E-07		Resid phdelay (usec)		-2.91436E-06	+/- 7.7E-09
Delay rate (us/s)	-4.20258686654E-02		Apriori rate (us/s)		-4.20252477924E-02		Resid rate (us/s)		-6.20873E-07	+/- 2.9E-10
Total phase (deg)			Apriori accel (us/s/s)		7.57646570297E-06		Resid phase (deg)		-90.4	+/- 0.2

	RMS	Theor.	Amplitude	26.369 +/- 0.055	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5
ph/seg (deg)	3.8	0.6	Search (256X32)	25.865	Pcal rate: 0.000E+00, 0.000E+00 (us/s)	sb window (us) -2.000 2.000
amp/seg (%)	1.2	1.0	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: enabled
ph/frq (deg)	68.6	0.3	Inc. seg. avg.	26.272	Sample rate(MISamp/s): 128	dr window (ns/s) -0.012 0.012
amp/frq (%)	85.8	0.6	Inc. frq. avg.	47.930	Data rate(Mb/s): 2048	nlags: 512 t_cohere infinite
						ion window (TEC) 0.00 0.00

B: az 154.8 el 57.5 pa -16.7 N: az 148.2 el 62.4 pa -22.8 u,v (fr/asec) 267.252 791.677 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c221c/FRINGE/3mm/1234/No0267/BN..2B0E2S Output file: /Exps/c221c/FRINGE/3mm/1234/No0267/BN.W.46.2B0E2S

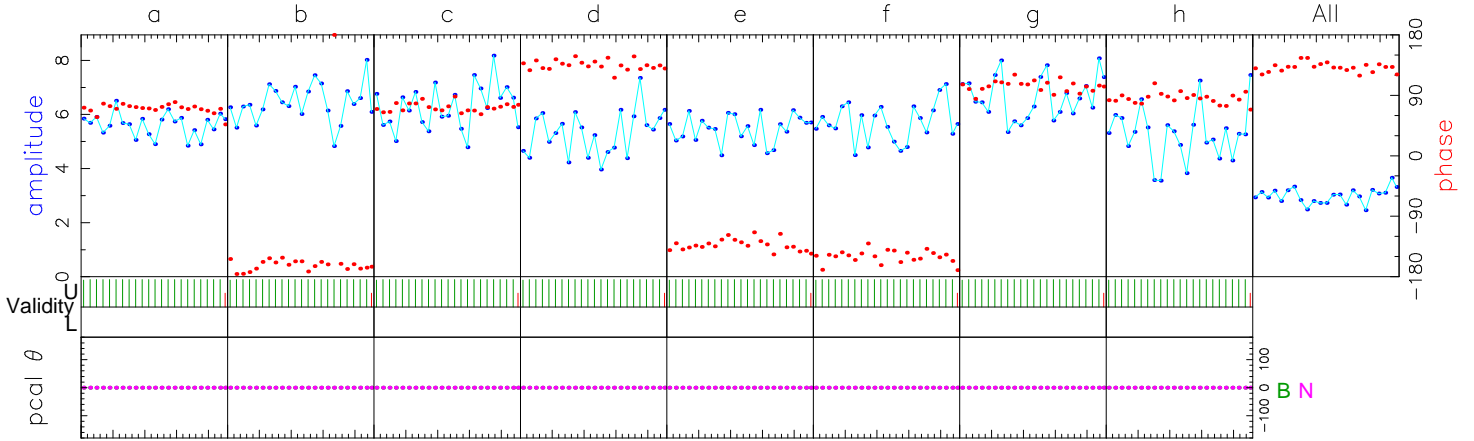


Fringe quality 5

SNR 54.6
Int time 44.957
Amp 2.982
Phase 131.4
PFD 0.0e+00
Delays (us)
SBD 0.003055
MBD 0.004301
Fringe rate (Hz)
-0.053274
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.500

Exp. c221c
Exper # 16383
Yr:day 2022:093
Start 184500.00
Stop 184545.00
FRT 184830.00
Corr/FF/build
2022:210:093316
2022:210:093806
2021:041:141600
RA & Dec (J2000)
08h54m48.874928s
+20°06'30.640850"

Amp. and Phase vs. time for each freq., 23 segs, 4 APs / seg (2.00 sec / seg.), time ticks 2 sec

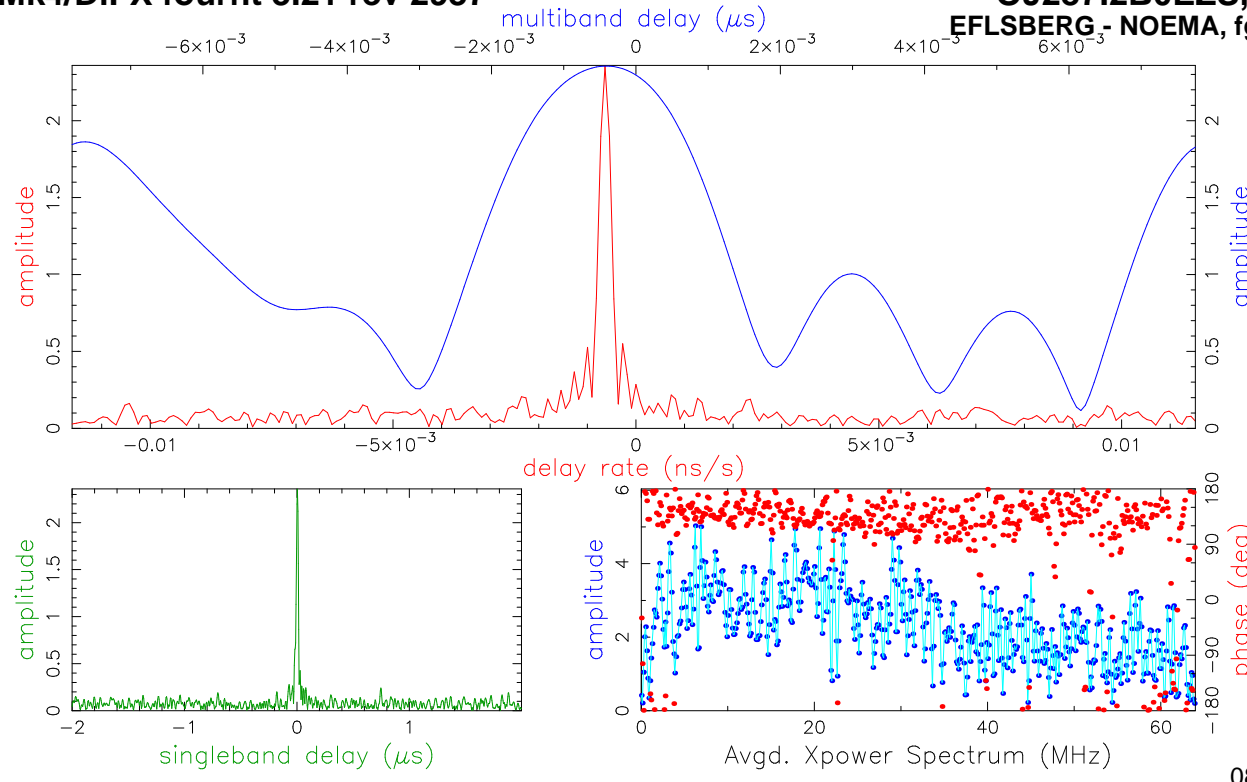


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	70.6	-163.5	72.0	135.3	-132.3	-149.6	103.6	85.2	Phase	131.4
	5.6	6.4	6.3	5.3	5.4	5.7	6.6	5.2	Ampl.	5.8
	512.6	514.1	514.6	515.0	515.0	514.8	514.3	513.6	Sbd box	513.8
U/L	90/0	90/0	90/0	90/0	90/0	90/0	90/0	90/0	APs used	
B	0	0	0	0	0	0	0	0	PC freqs	
N	0	0	0	0	0	0	0	0	PC freqs	
B:N	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
B:N	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
B	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
N	1000	1000	1000	1000	1000	1000	1000	1000		
B	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids	
N	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Tracks	
									Tracks	
Group delay (usec)(sbd)	-9.38788555282E+02		Apriori delay (usec)		-9.38792856493E+02		Resid mbdelay (usec)		4.30121E-03	+/- 2.0E-05
Sband delay (usec)	-9.38789801993E+02		Apriori clock (usec)		-1.6681057E+01		Resid sbdelay (usec)		3.05450E-03	+/- 1.6E-04
Phase delay (usec)	-9.38792852255E+02		Apriori clockrate (us/s)		8.2399999E-07		Resid phdelay (usec)		4.23808E-06	+/- 6.8E-08
Delay rate (us/s)	-4.20258662449E-02		Apriori rate (us/s)		-4.20252477924E-02		Resid rate (us/s)		-6.18453E-07	+/- 2.6E-09
Total phase (deg)			Apriori accel (us/s/s)		7.57646570297E-06		Resid phase (deg)		131.4	+/- 2.1

	RMS	Theor.	Amplitude	2.982 +/- 0.055	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5
ph/seg (deg)	6.6	5.0	Search (256X32)	2.938	Pcal rate: 0.000E+00, 0.000E+00 (us/s)	sb window (us) -2.000 2.000
amp/seg (%)	9.3	8.8	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: enabled
ph/frq (deg)	70.6	3.0	Inc. seg. avg.	2.978	Sample rate(MISamp/s): 128	dr window (ns/s) -0.012 0.012
amp/frq (%)	95.8	5.2	Inc. frq. avg.	5.787	Data rate(Mb/s): 2048	nlags: 512 t_cohere infinite
						ion window (TEC) 0.00 0.00

B: az 154.8 el 57.5 pa -16.7 N: az 148.2 el 62.4 pa -22.8 u,v (fr/asec) 267.252 791.677 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c221c/FRINGE/3mm/1234/No0267/BN..2B0E2S Output file: /Exps/c221c/FRINGE/3mm/1234/No0267/BN.W.50.2B0E2S

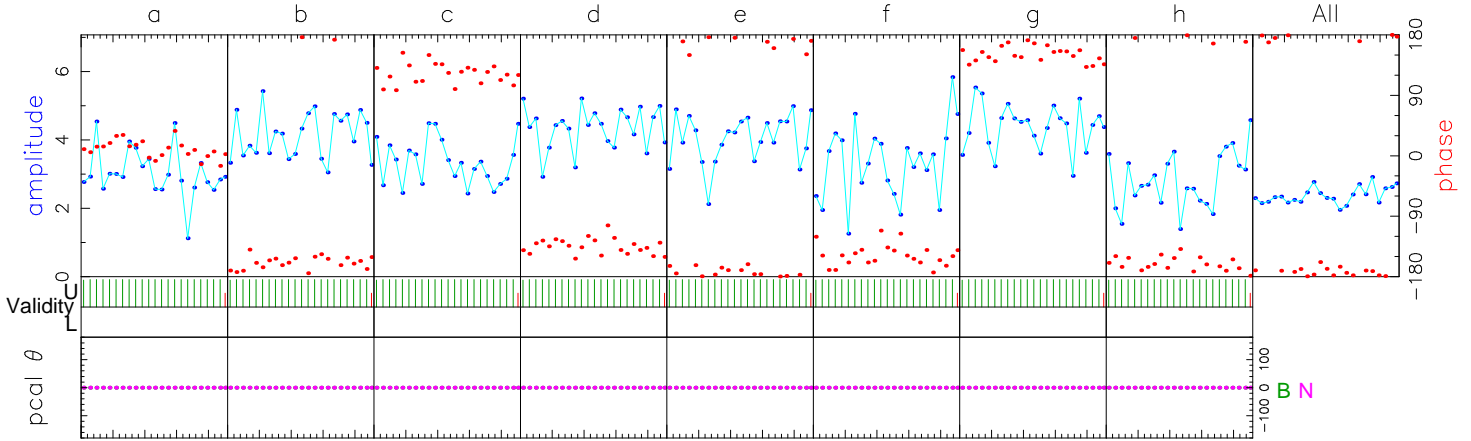


Fringe quality 5

SNR 43.2
Int time 44.957
Amp 2.359
Phase -176.0
PFD 0.0e+00
Delays (us)
SBD 0.003534
MBD -0.000385
Fringe rate (Hz)
-0.053478
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.500

Exp. c221c
Exper # 16383
Yr:day 2022:093
Start 184500.00
Stop 184545.00
FRT 184830.00
Corr/FF/build
2022:210:093316
2022:210:093807
2021:041:141600
RA & Dec (J2000)
08h54m48.874928s
+20°06'30.640850"

Amp. and Phase vs. time for each freq., 23 segs, 4 APs / seg (2.00 sec / seg.), time ticks 2 sec



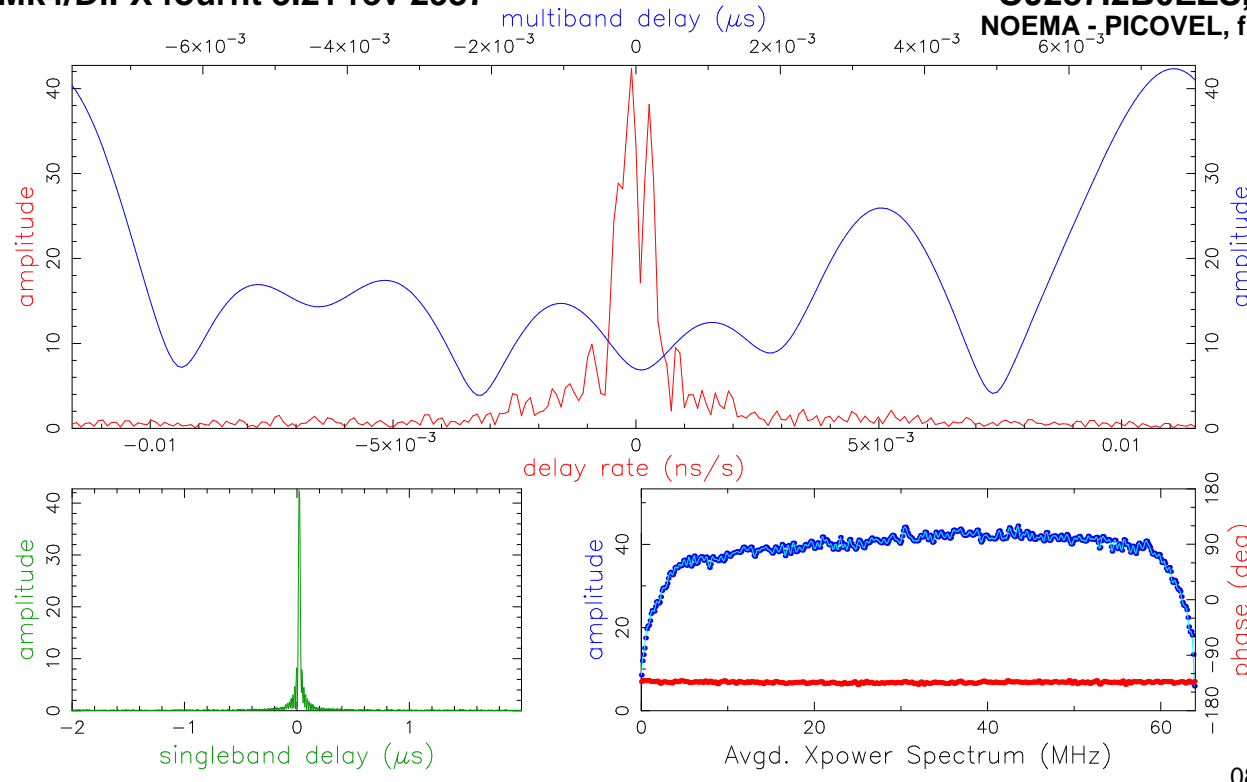
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
U/L	90/0	90/0	90/0	90/0	90/0	90/0	90/0	90/0		
B	0	0	0	0	0	0	0	0		
N	0	0	0	0	0	0	0	0		
B:N	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
B:N	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
B	1000	1000	1000	1000	1000	1000	1000	1000		
N	1000	1000	1000	1000	1000	1000	1000	1000		
B	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR		
N	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL		

Group delay (usec)(sbd)	-9.38793241626E+02	Apriori delay (usec)	-9.38792856493E+02	Resid mbdelay (usec)	-3.85132E-04	+/-	2.5E-05
Sband delay (usec)	-9.38789322993E+02	Apriori clock (usec)	-1.6681057E+01	Resid sbdelay (usec)	3.53350E-03	+/-	2.0E-04
Phase delay (usec)	-9.38792862170E+02	Apriori clockrate (us/s)	8.2399999E-07	Resid phdelay (usec)	-5.67703E-06	+/-	8.6E-08
Delay rate (us/s)	-4.20258686247E-02	Apriori rate (us/s)	-4.20252477924E-02	Resid rate (us/s)	-6.20832E-07	+/-	3.3E-09
Total phase (deg)	-53.1	Apriori accel (us/s/s)	7.57646570297E-06	Resid phase (deg)	-176.0	+/-	2.7

ph/seg (deg)	RMS 7.5	Theor. 6.4	Amplitude Search (256X32)	2.359 +/- 0.055	2.325	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5	sb window (us)	-2.000	2.000
amp/seg (%)	10.0	11.1	Interp.	0.000	0.000	Pcal rate: 0.000E+00, 0.000E+00 (us/s)	SampCntNorm: enabled	mb window (us)	-0.008	0.008
ph/frq (deg)	79.1	3.8	Inc. seg. avg.	2.363	2.363	Bits/sample: 2x2	Sample rate(MISamp/s): 128	dr window (ns/s)	-0.012	0.012
amp/frq (%)	57.6	6.5	Inc. frq. avg.	3.578	3.578	Data rate(Mb/s): 2048	nlags: 512	ion window (TEC)	0.00	0.00

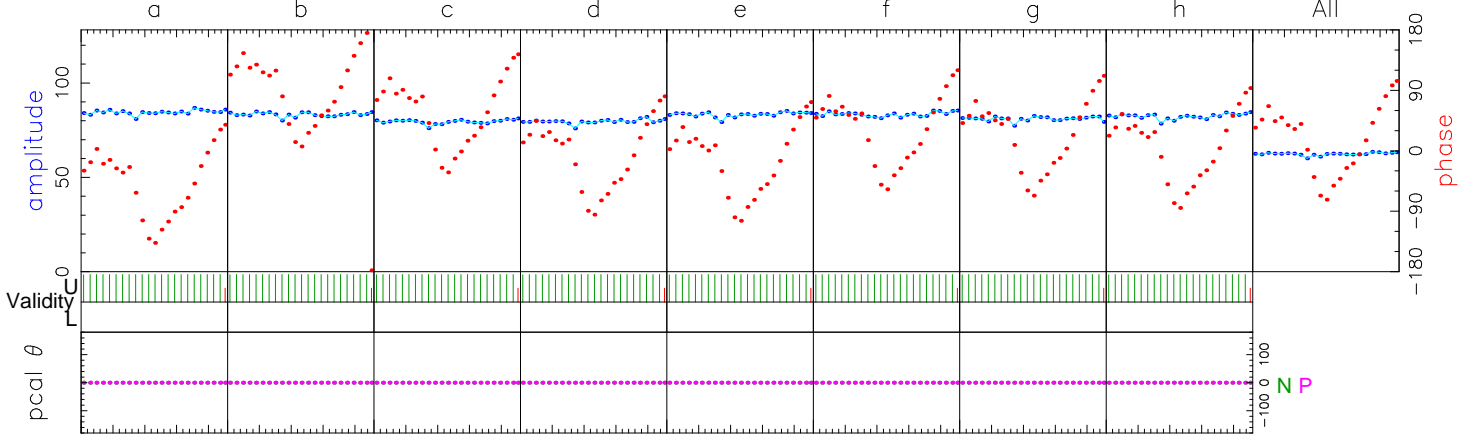
B: az 154.8 el 57.5 pa -16.7 N: az 148.2 el 62.4 pa -22.8 u,v (fr/asec) 267.252 791.677 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c221c/FRINGE/3mm/1234/No0267/BN..2B0EZS Output file: /Exps/c221c/FRINGE/3mm/1234/No0267/BN.W.54.2B0EZS



Fringe quality 2
 SNR 783.8
 Int time 44.981
 Amp 42.734
 Phase 19.3
 PFD 0.0e+00
 Delays (us)
 SBD 0.020770
 MBD 0.007472
 Fringe rate (Hz)
 -0.005026
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.500
 Exp. c221c
 Exper # 16383
 Yr:day 2022:093
 Start 184500.00
 Stop 184545.00
 FRT 184830.00
 Corr/FF/build
 2022:210:093316
 2022:210:093804
 2021:041:141600
 RA & Dec (J2000)
 08h54m48.874928s
 +20°06'30.640850"

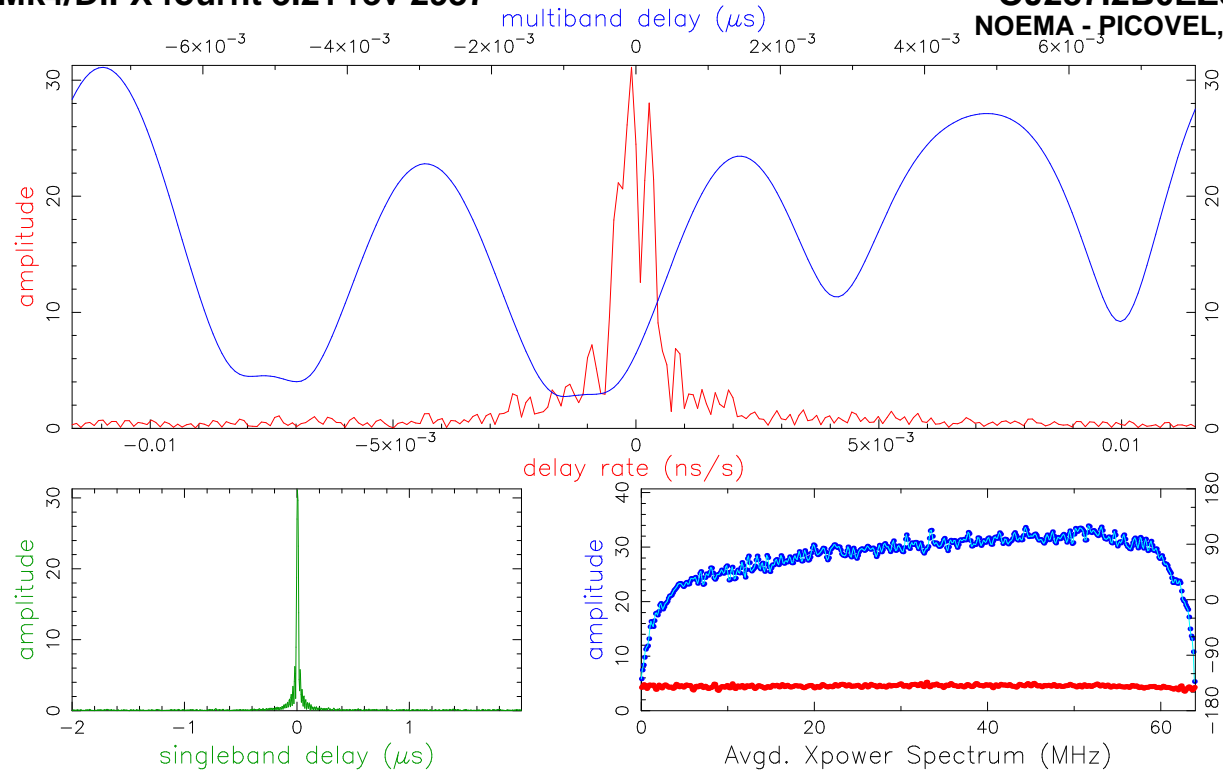
Amp. and Phase vs. time for each freq., 23 segs, 4 APs / seg (2.00 sec / seg.), time ticks 2 sec



	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	-45.1	98.0	60.2	-3.2	-12.1	34.9	26.5	8.1	Phase	19.3
	57.3	56.6	53.8	54.0	56.4	56.8	54.9	56.0	Ampl.	55.7
	518.5	518.5	517.9	518.4	518.6	518.4	518.8	518.7	Sbd box	518.3
U/L	90/0	90/0	90/0	90/0	90/0	90/0	90/0	90/0	APs used	
N	0	0	0	0	0	0	0	0	PC freqs	
P	0	0	0	0	0	0	0	0	PC freqs	
N:P	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
N:P	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
N	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
P	1000	1000	1000	1000	1000	1000	1000	1000		
N	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids	
P	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Tracks	
									Tracks	
Group delay (usec)(sbd)	-1.34365156168E+02		Apriori delay (usec)		-1.34388253582E+02		Resid mbdelay (usec)		7.47241E-03	+/- 1.4E-06
Sband delay (usec)	-1.34367483582E+02		Apriori clock (usec)		-1.2199181E+01		Resid sbdelay (usec)		2.07700E-02	+/- 1.1E-05
Phase delay (usec)	-1.34388252958E+02		Apriori clockrate (us/s)		-2.9800001E-07		Resid phdelay (usec)		6.23714E-07	+/- 4.7E-09
Delay rate (us/s)	-2.09281276626E-01		Apriori rate (us/s)		-2.09281218279E-01		Resid rate (us/s)		-5.83469E-08	+/- 1.8E-10
Total phase (deg)			Apriori accel (us/s/s)		4.50817947725E-06		Resid phase (deg)		19.3	+/- 0.1

	RMS	Theor.	Amplitude	42.734 +/- 0.055	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5
ph/seg (deg)	49.0	0.4	Search (256X32)	41.027	Pcal rate: 0.000E+00, 0.000E+00 (us/s)	sb window (us) -2.000 2.000
amp/seg (%)	46.1	0.6	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: enabled
ph/frq (deg)	48.2	0.2	Inc. seg. avg.	62.405	Sample rate(MISamp/s): 128	dr window (ns/s) -0.012 0.012
amp/frq (%)	30.6	0.4	Inc. frq. avg.	55.732	Data rate(Mb/s): 2048	ion window (TEC) 0.00 0.00

N: az 148.2 el 62.4 pa -22.8 P: az 122.1 el 62.8 pa -45.6 u,v (fr/asec) 1281.335 954.120 simultaneous interpolator
 Control file: cf_1234_gmva Input file: /Exps/c221c/FRINGE/3mm/1234/No0267/NP..2B0EZS Output file: /Exps/c221c/FRINGE/3mm/1234/No0267/NP.W.43.2B0EZS

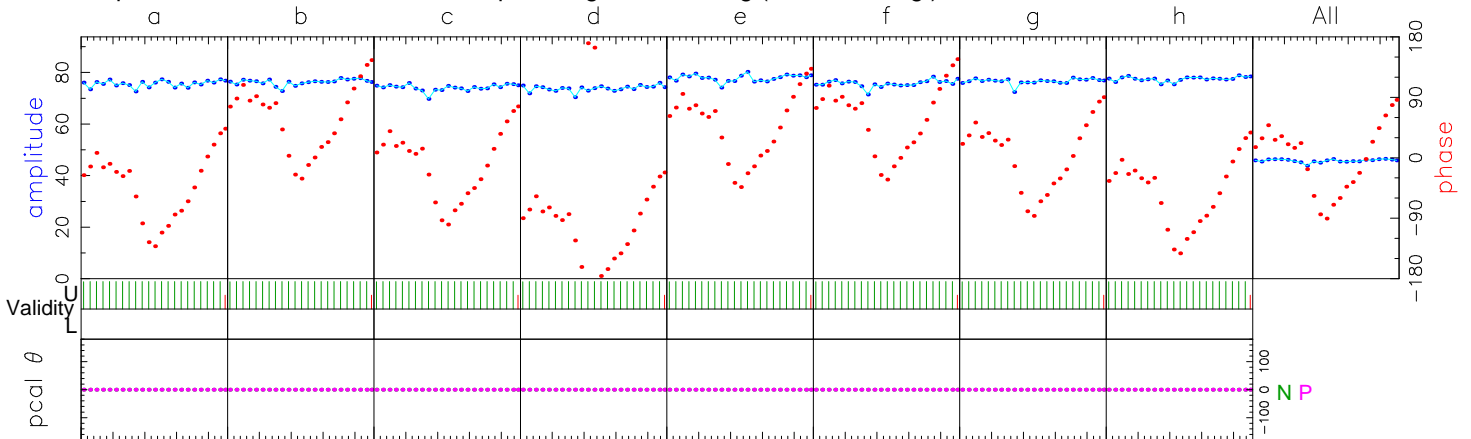


Fringe quality 1

SNR 573.7
Int time 44.981
Amp 31.281
Phase 1.5
PFD 0.0e+00
Delays (us)
SBD 0.004864
MBD -0.007386
Fringe rate (Hz)
-0.005060
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.500

Exp. c221c
Yr:day 16383
2022:210:093316
2022:210:093805
2021:041:141600
RA & Dec (J2000)
08h54m48.874928s
+20°06'30.640850"

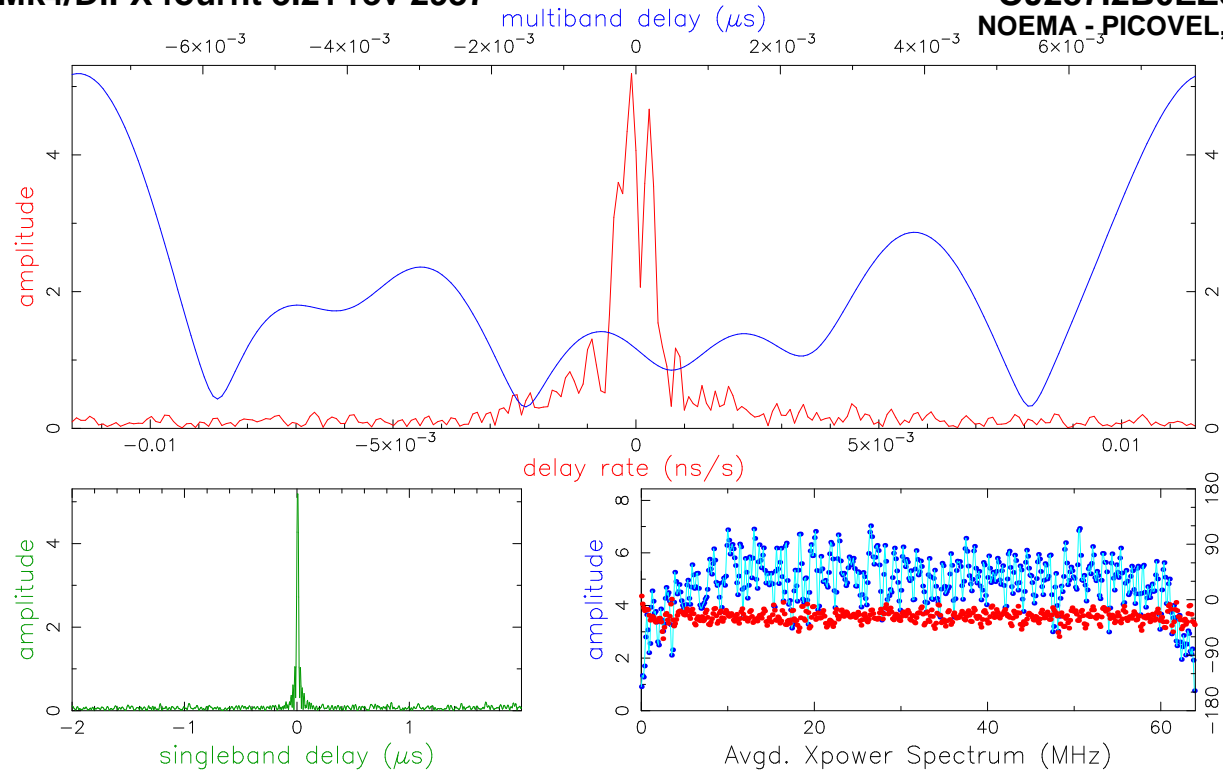
Amp. and Phase vs. time for each freq., 23 segs, 4 APs / seg (2.00 sec / seg.), time ticks 2 sec



	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
U/L	90/0	90/0	90/0	90/0	90/0	90/0	90/0	90/0		
N	0	0	0	0	0	0	0	0		
P	0	0	0	0	0	0	0	0		
N:P	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
N:P	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
N	1000	1000	1000	1000	1000	1000	1000	1000		
P	1000	1000	1000	1000	1000	1000	1000	1000		
N	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR		
P	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR		

Group delay (usec)(sbd) -1.34380014262E+02 Apriori delay (usec) -1.34388253582E+02 Resid mbdelay (usec) -7.38568E-03 +/- 1.9E-06
 Sband delay (usec) -1.34383389082E+02 Apriori clock (usec) -1.2199181E+01 Resid sbdelay (usec) 4.86450E-03 +/- 1.5E-05
 Phase delay (usec) -1.34388253533E+02 Apriori clockrate (us/s) -2.9800001E-07 Resid phdelay (usec) 4.87100E-08 +/- 6.4E-09
 Delay rate (us/s) -2.09281277021E-01 Apriori rate (us/s) -2.09281218279E-01 Resid rate (us/s) -5.87416E-08 +/- 2.5E-10
 Total phase (deg) -57.4 Apriori accel (us/s/s) 4.50817947725E-06 Resid phase (deg) 1.5 +/- 0.2

RMS Theor. Amplitude 31.281 +/- 0.055 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 ph/seg (deg) 48.9 0.5 Search (256X32) 30.307 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -2.000 2.000
 amp/seg (%) 46.4 0.8 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 ph/frq (deg) 64.4 0.3 Inc. seg. avg. 45.789 Sample rate(MISamp/s): 128 dr window (ns/s) -0.012 0.012
 amp/frq (%) 65.2 0.5 Inc. frq. avg. 51.652 Data rate(Mb/s): 2048 nlags: 512 t_cohere infinite ion window (TEC) 0.00 0.00

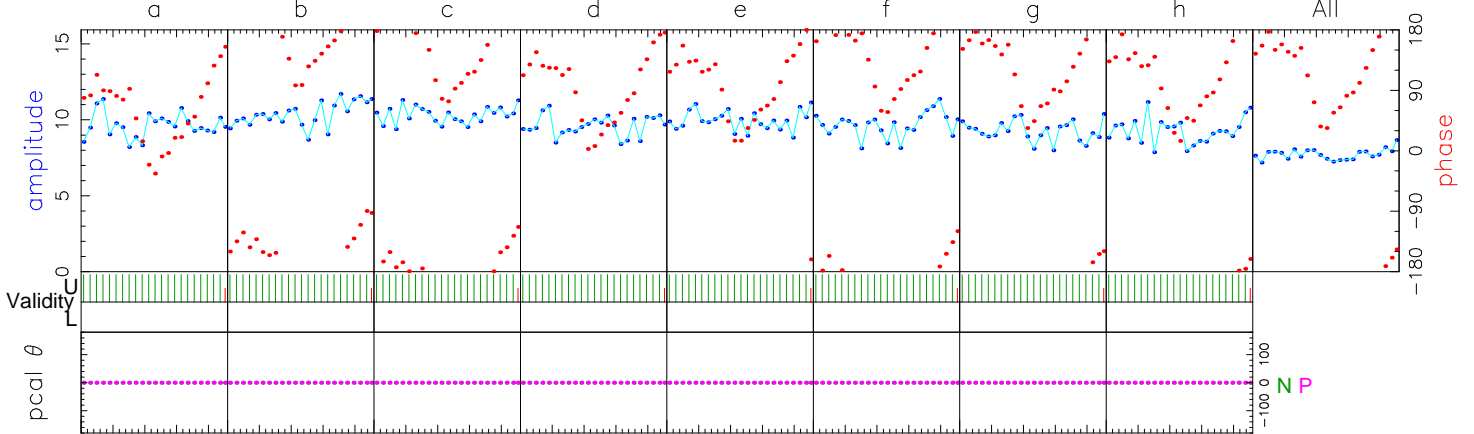


Fringe quality 2

SNR 97.4
Int time 44.981
Amp 5.309
Phase 128.6
PFD 0.0e+00
Delays (us)
SBD 0.005838
MBD -0.007717
Fringe rate (Hz)
-0.004530
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.500

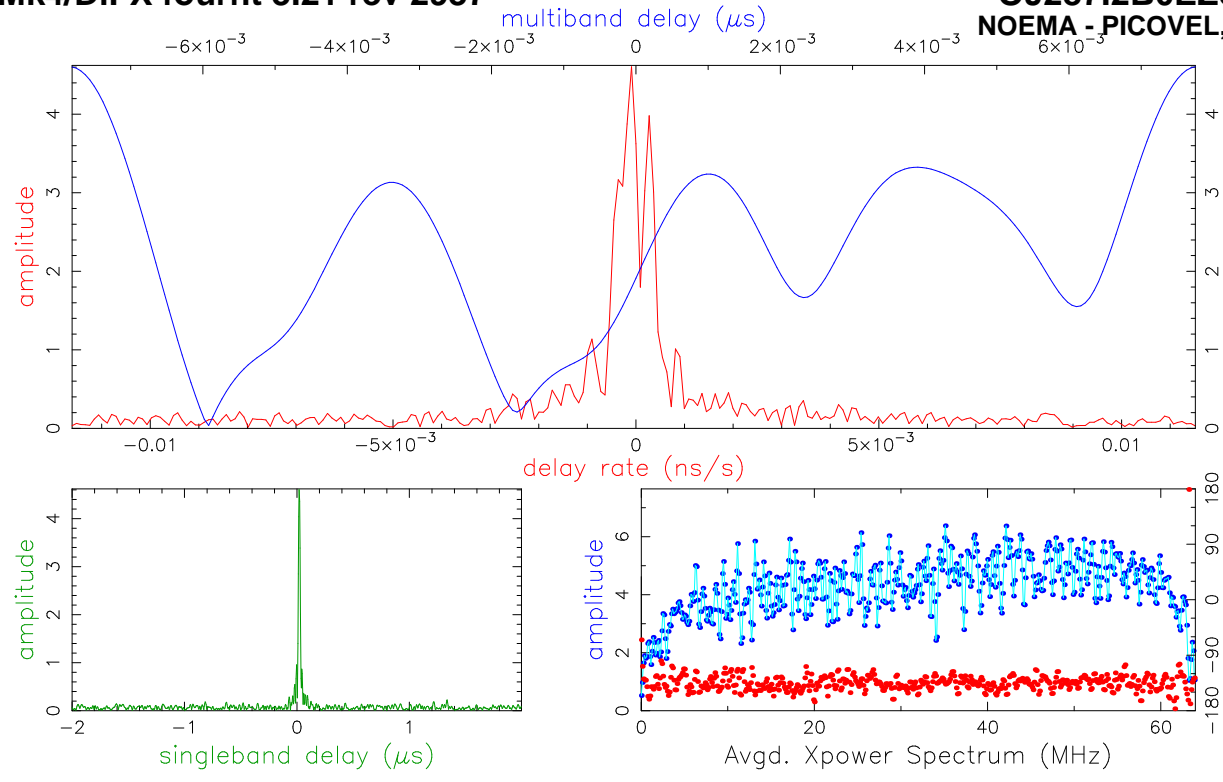
Exp. c221c
Exper # 16383
Yr:day 2022:093
Start 184500.00
Stop 184545.00
FRT 184830.00
Corr/FF/build
2022:210:093316
2022:210:093806
2021:041:141600
RA & Dec (J2000)
08h54m48.874928s
+20°06'30.640850"

Amp. and Phase vs. time for each freq., 23 segs, 4 APs / seg (2.00 sec / seg.), time ticks 2 sec



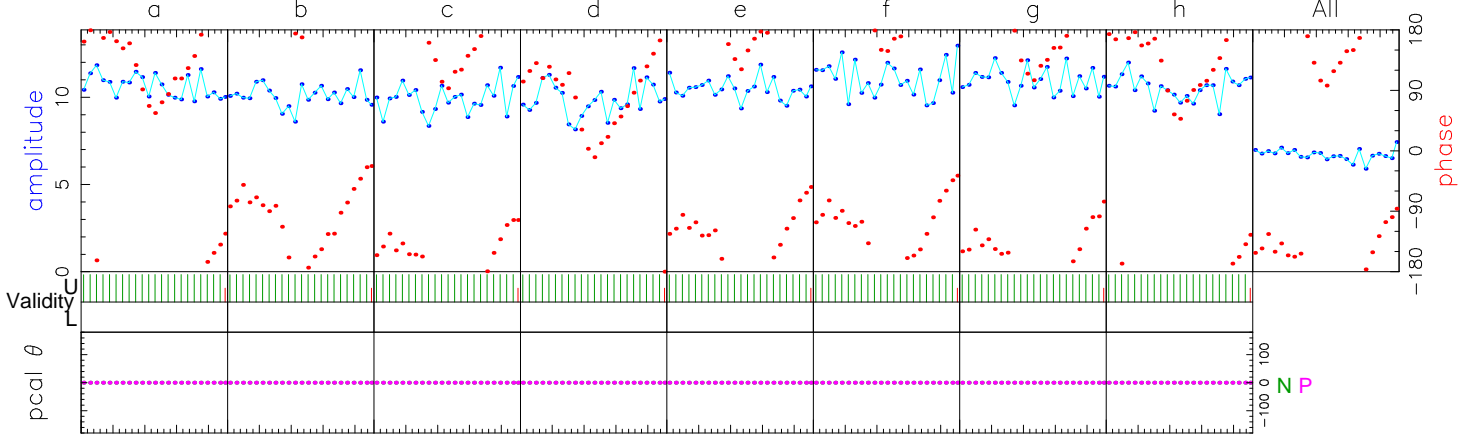
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	61.7	-167.8	163.0	98.2	105.2	151.9	131.2	115.5	Phase	128.6
	6.4	7.0	7.1	6.4	6.8	6.6	6.3	6.1	Ampl.	6.6
	514.5	514.8	514.3	514.3	514.8	514.3	514.8	515.0	Sbd box	514.5
U/L	90/0	90/0	90/0	90/0	90/0	90/0	90/0	90/0	APs used	
N	0	0	0	0	0	0	0	0	PC freqs	
P	0	0	0	0	0	0	0	0	PC freqs	
N:P	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
N:P	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
N	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
P	1000	1000	1000	1000	1000	1000	1000	1000		
N	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids	
P	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Tracks	
									Tracks	
Group delay (usec)(sbd)	-1.34380345113E+02		Apriori delay (usec)		-1.34388253582E+02		Resid mbdelay (usec)		-7.71653E-03	+/- 1.1E-05
Sband delay (usec)	-1.34382416082E+02		Apriori clock (usec)		-1.2199181E+01		Resid sbdelay (usec)		5.83750E-03	+/- 8.8E-05
Phase delay (usec)	-1.34388249436E+02		Apriori clockrate (us/s)		-2.9800001E-07		Resid phdelay (usec)		4.14588E-06	+/- 3.8E-08
Delay rate (us/s)	-2.09281270874E-01		Apriori rate (us/s)		-2.09281218279E-01		Resid rate (us/s)		-5.25946E-08	+/- 1.5E-09
Total phase (deg)	69.7		Apriori accel (us/s/s)		4.50817947725E-06		Resid phase (deg)		128.6	+/- 1.2

ph/seg (deg) 49.6 2.8 Search (256X32) 4.992 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 45.7 4.9 Interp. 0.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -2.000 2.000
 ph/frq (deg) 44.5 1.7 Inc. seg. avg. 7.705 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 amp/frq (%) 24.9 2.9 Inc. frq. avg. 6.586 Sample rate(MISamp/s): 128 Resid rate (us/s) dr window (ns/s) -0.012 0.012
 N: az 148.2 el 62.4 pa -22.8 P: az 122.1 el 62.8 pa -45.6 u,v (fr/asec) 1281.335 954.120 nlags: 512 t_cohere infinite ion window (TEC) 0.00 0.00
 simultaneous interpolator
 Control file: cf_1234_gmva Input file: /Exps/c221c/FRINGE/3mm/1234/No0267/NP..2B0EZS Output file: /Exps/c221c/FRINGE/3mm/1234/No0267/NP.W.52.2B0EZS



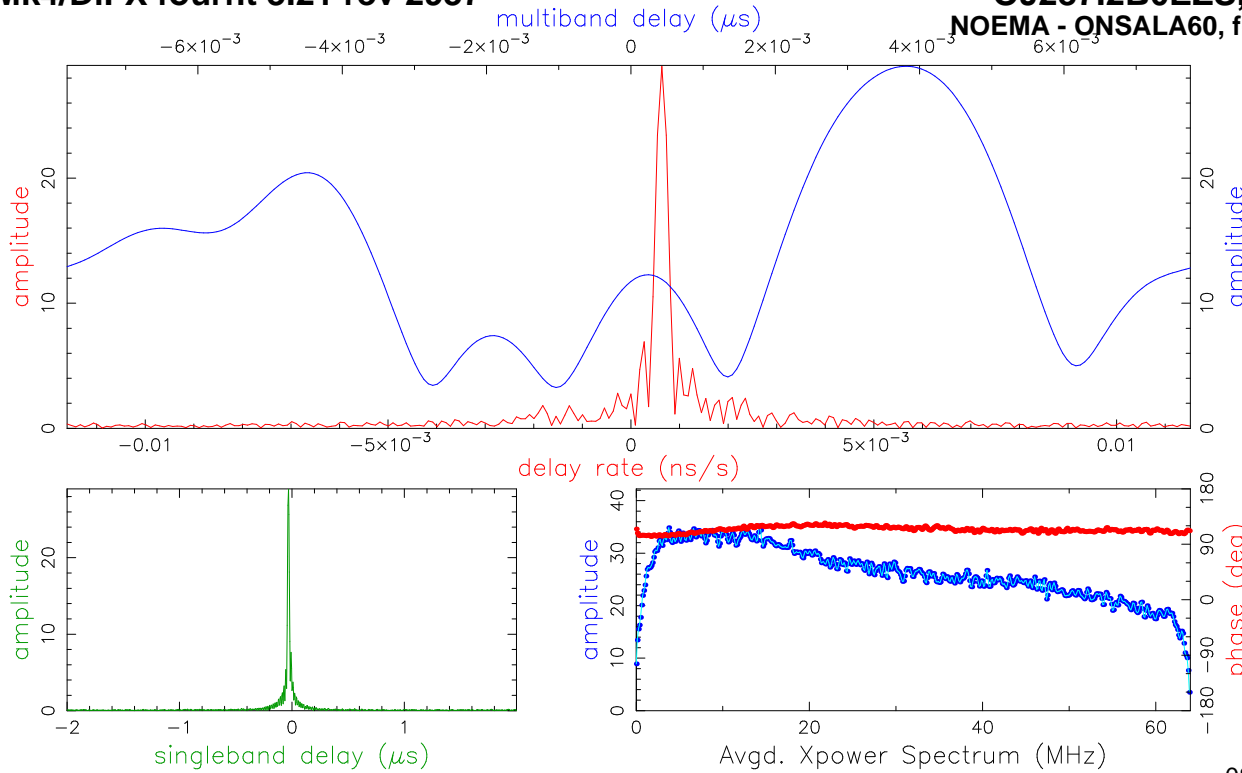
Fringe quality 1
 SNR 84.8
 Int time 44.981
 Amp 4.622
 Phase -170.6
 PFD 0.0e+00
 Delays (us)
 SBD 0.020310
 MBD -0.007838
 Fringe rate (Hz)
 -0.005054
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.500
 Exp. c221c
 Exper # 16383
 Yr:day 2022:093
 Start 184500.00
 Stop 184545.00
 FRT 184830.00
 Corr/FF/build
 2022:210:093316
 2022:210:093807
 2021:041:141600
 RA & Dec (J2000)
 08h54m48.874928s
 +20°06'30.640850"

Amp. and Phase vs. time for each freq., 23 segs, 4 APs / seg (2.00 sec / seg.), time ticks 2 sec



	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	146.1	-97.9	-171.7	89.4	-140.5	-121.2	-165.8	146.7	Phase	-170.6
	7.3	7.0	6.8	6.7	7.1	7.4	7.5	7.2	Ampl.	7.1
	518.4	518.0	517.6	518.1	518.2	518.1	518.6	518.3	Sbd box	518.2
U/L	90/0	90/0	90/0	90/0	90/0	90/0	90/0	90/0	APs used	
N	0	0	0	0	0	0	0	0	PC freqs	
P	0	0	0	0	0	0	0	0	PC freqs	
N:P	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
N:P	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
N	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
P	1000	1000	1000	1000	1000	1000	1000	1000		
N	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids	
P	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Tracks	
									Tracks	
Group delay (usec)(sbd)	-1.34364841926E+02		Apriori delay (usec)		-1.34388253582E+02		Resid mbdelay (usec)		-7.83834E-03	+/- 1.3E-05
Sband delay (usec)	-1.34367943582E+02		Apriori clock (usec)		-1.2199181E+01		Resid sbdelay (usec)		2.03100E-02	+/- 1.0E-04
Phase delay (usec)	-1.34388259084E+02		Apriori clockrate (us/s)		-2.9800001E-07		Resid phdelay (usec)		-5.50196E-06	+/- 4.4E-08
Delay rate (us/s)	-2.09281276957E-01		Apriori rate (us/s)		-2.09281218279E-01		Resid rate (us/s)		-5.86777E-08	+/- 1.7E-09
Total phase (deg)			Apriori accel (us/s/s)		4.50817947725E-06		Resid phase (deg)		-170.6	+/- 1.4

ph/seg (deg) 48.2 3.2 Search (256X32) 4.492 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 45.3 5.7 Interp. 0.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -2.000 2.000
 ph/frq (deg) 61.0 1.9 Inc. seg. avg. 6.685 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 amp/frq (%) 54.8 3.3 Inc. frq. avg. 7.134 Sample rate(MISamp/s): 128 Data rate(Mb/s): 2048 nlags: 512 t_cohere infinite dr window (ns/s) -0.012 0.012
 N: az 148.2 el 62.4 pa -22.8 P: az 122.1 el 62.8 pa -45.6 u,v (fr/asec) 1281.335 954.120 simultaneous interpolator
 Control file: cf_1234_gmva Input file: /Exps/c221c/FRINGE/3mm/1234/No0267/NP..2B0EZS Output file: /Exps/c221c/FRINGE/3mm/1234/No0267/NP.W.55.2B0EZS

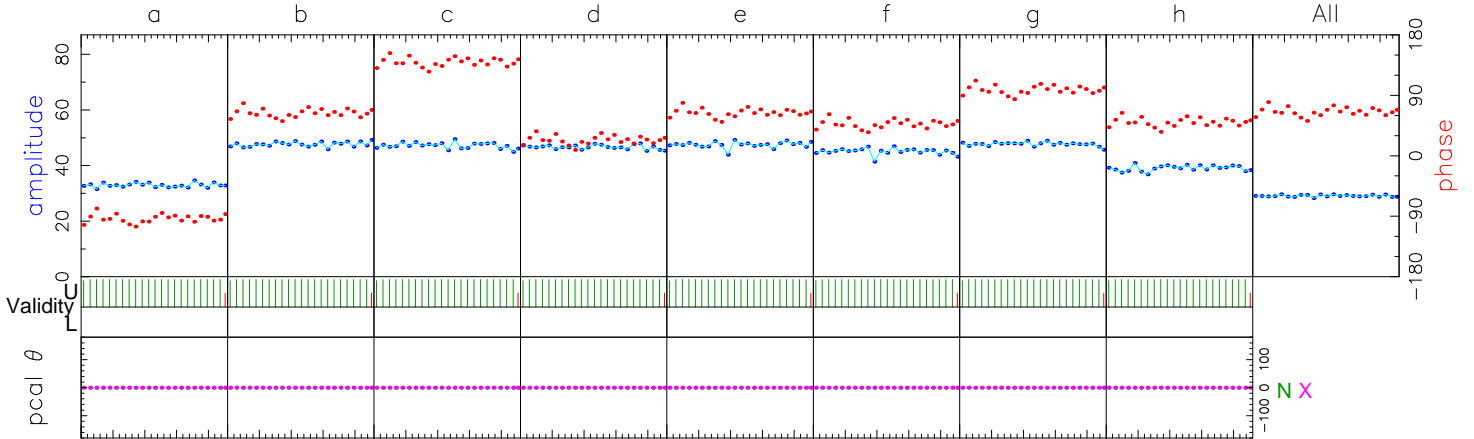


Fringe quality 5

SNR 531.0
Int time 44.911
Amp 29.011
Phase 65.6
PFD 0.0e+00
Delays (us)
SBD -0.031698
MBD 0.003820
Fringe rate (Hz) 0.054280
Ion TEC 0.000
Ref freq (MHz) 86140.0000
AP (sec) 0.500

Exp. c221c
Exper # 16383
Yr:day 2022:093
Start 184500.00
Stop 184545.00
FRT 184830.00
Corr/FF/build
2022:210:093316
2022:210:093809
2021:041:141600
RA & Dec (J2000) 08h54m48.874928s +20°06'30.640850"

Amp. and Phase vs. time for each freq., 23 segs, 4 APs / seg (2.00 sec / seg.), time ticks 2 sec



	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	-93.5	63.4	139.3	23.5	64.0	47.3	98.0	49.9	Phase	65.6
	32.8	47.4	47.0	46.4	47.3	44.9	47.5	38.9	Ampl.	44.0
	506.9	505.1	504.9	504.5	504.7	504.6	505.0	505.9	Sbd box	504.9
U/L	90/0	90/0	90/0	90/0	90/0	90/0	90/0	90/0	APs used	
N	0	0	0	0	0	0	0	0	PC freqs	
X	0	0	0	0	0	0	0	0	PC freqs	
N:X	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
N:X	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
N	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
X	1000	1000	1000	1000	1000	1000	1000	1000		
N	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids	
X	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Tracks	
									Tracks	
Group delay (usec)(sbd)	2.03962997079E+03		Apriori delay (usec)		2.03965740103E+03		Resid mbdelay (usec)		3.81976E-03	+/- 2.0E-06
Sband delay (usec)	2.03962570278E+03		Apriori clock (usec)		-8.5952042E+01		Resid sbdelay (usec)		-3.16982E-02	+/- 1.6E-05
Phase delay (usec)	2.03965740315E+03		Apriori clockrate (us/s)		-1.2760000E-06		Resid phdelay (usec)		2.11497E-06	+/- 7.0E-09
Delay rate (us/s)	1.41780219426E-01		Apriori rate (us/s)		1.41779589295E-01		Resid rate (us/s)		6.30131E-07	+/- 2.7E-10
Total phase (deg)			Apriori accel (us/s/s)		-1.67055073277E-05		Resid phase (deg)		65.6	+/- 0.2

ph/seg (deg) 6.3 0.5
amp/seg (%) 1.4 0.9
ph/frq (deg) 75.5 0.3
amp/frq (%) 54.6 0.5

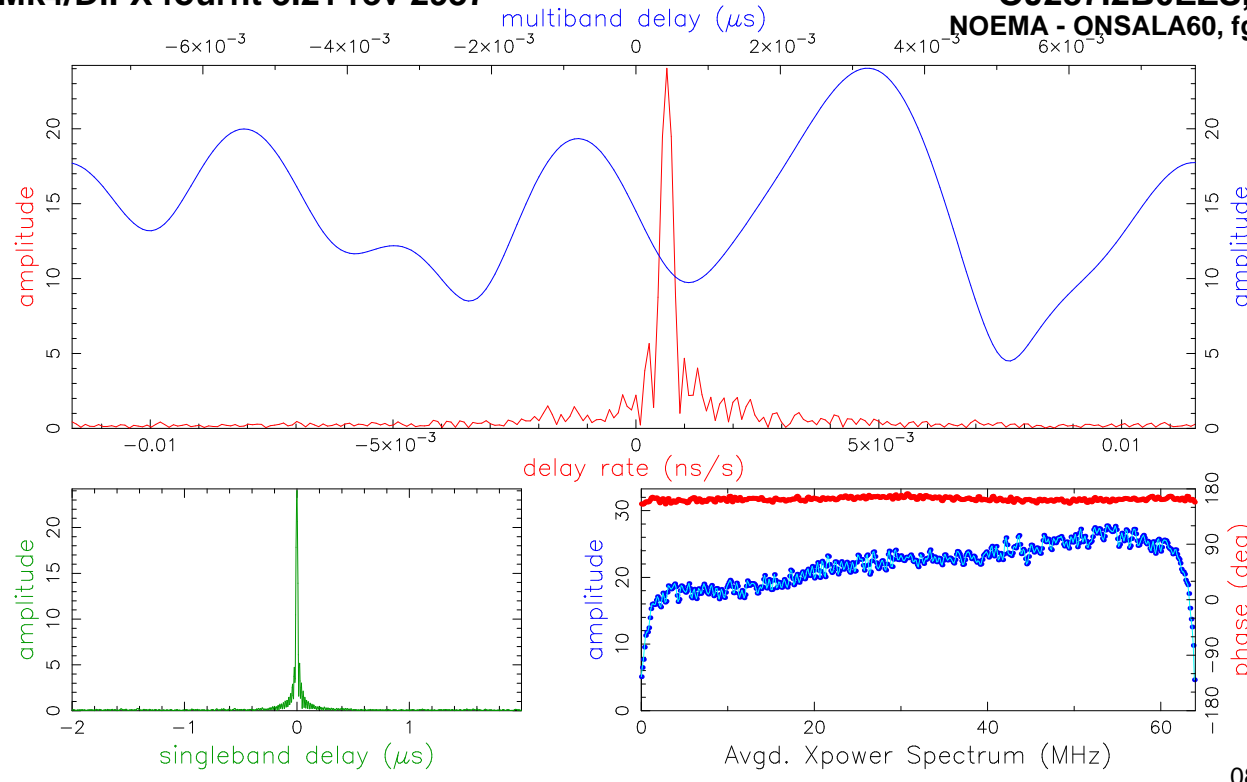
RMS Theor. Amplitude 29.011 +/- 0.055
Search (256X32) 28.605
Interp. 0.000
Inc. seg. avg. 29.148
Inc. frq. avg. 44.028

pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
Pcal rate: 0.000E+00, 0.000E+00 (us/s)
Bits/sample: 2x2 SampCntNorm: enabled
Sample rate(MISamp/s): 128
Data rate(Mb/s): 2048 nlags: 512 t_cohere infinite

sb window (us) -2.000 2.000
mb window (us) -0.008 0.008
dr window (ns/s) -0.012 0.012
ion window (TEC) 0.00 0.00

N: az 148.2 el 62.4 pa -22.8 X: az 166.1 el 52.0 pa -6.9 u,v (fr/asec) -888.807 -1638.150 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c221c/FRINGE/3mm/1234/No0267/NX..2B0EZS Output file: /Exps/c221c/FRINGE/3mm/1234/No0267/NX.W.57.2B0EZS

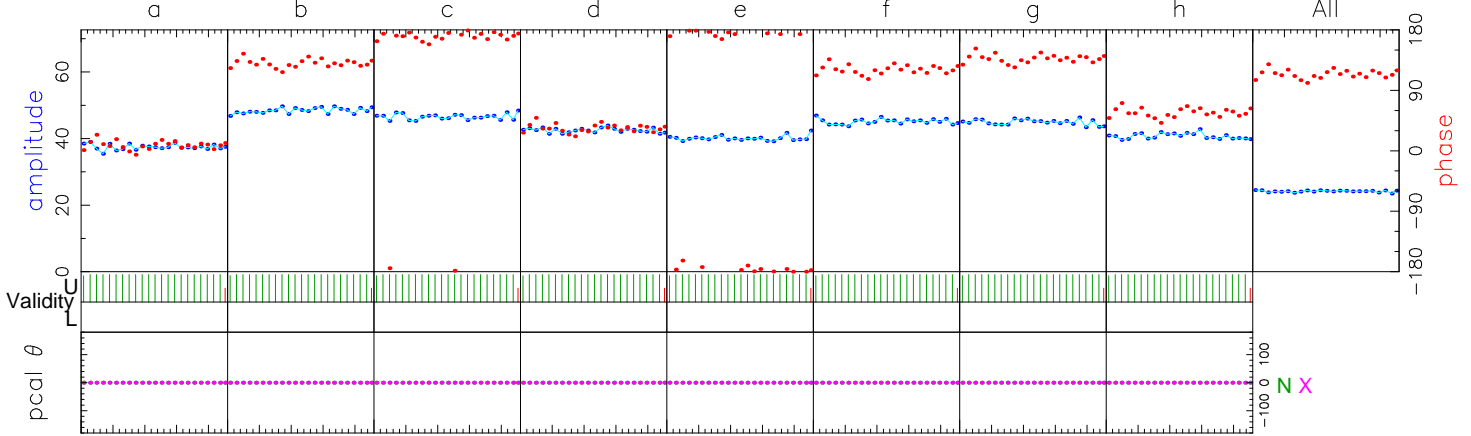


Fringe quality 5

SNR 443.4
Int time 44.911
Amp 24.225
Phase 113.9
PFD 0.0e+00
Delays (us)
SBD -0.001033
MBD 0.003194
Fringe rate (Hz) 0.054308
Ion TEC 0.000
Ref freq (MHz) 86140.0000
AP (sec) 0.500

Exp. c221c
Exper # 16383
Yr:day 2022:093
Start 184500.00
Stop 184545.00
FRT 184830.00
Corr/FF/build
2022:210:093316
2022:210:093810
2021:041:141600
RA & Dec (J2000)
08h54m48.874928s
+20°06'30.640850"

Amp. and Phase vs. time for each freq., 23 segs, 4 APs / seg (2.00 sec / seg.), time ticks 2 sec



	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	8.3	130.3	171.3	33.5	179.2	120.6	137.0	56.6	Phase	113.9
	37.3	48.2	46.3	42.3	39.9	44.9	44.7	40.5	Ampl.	43.0
	513.8	512.7	512.3	511.9	511.7	512.2	512.4	513.4	Sbd box	512.7
U/L	90/0	90/0	90/0	90/0	90/0	90/0	90/0	90/0	APs used	
N	0	0	0	0	0	0	0	0	PC freqs	
X	0	0	0	0	0	0	0	0	PC freqs	
N:X	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
N:X	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
N	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
X	1000	1000	1000	1000	1000	1000	1000	1000		
N	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids	
X	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Tracks	
									Tracks	
Group delay (usec)(sbd)	2.03966059545E+03		Apriori delay (usec)		2.03965740103E+03		Resid mbdelay (usec)		3.19441E-03	+/- 2.4E-06
Sband delay (usec)	2.03965636753E+03		Apriori clock (usec)		-8.5952042E+01		Resid sbdelay (usec)		-1.03350E-03	+/- 1.9E-05
Phase delay (usec)	2.03965740470E+03		Apriori clockrate (us/s)		-1.2760000E-06		Resid phdelay (usec)		3.67140E-06	+/- 8.3E-09
Delay rate (us/s)	1.41780219763E-01		Apriori rate (us/s)		1.41779589295E-01		Resid rate (us/s)		6.30468E-07	+/- 3.2E-10
Total phase (deg)	302.8		Apriori accel (us/s/s)		-1.67055073277E-05		Resid phase (deg)		113.9	+/- 0.3

ph/seg (deg) 6.2 0.6
amp/seg (%) 1.1 1.1
ph/frq (deg) 69.9 0.4
amp/frq (%) 78.9 0.6

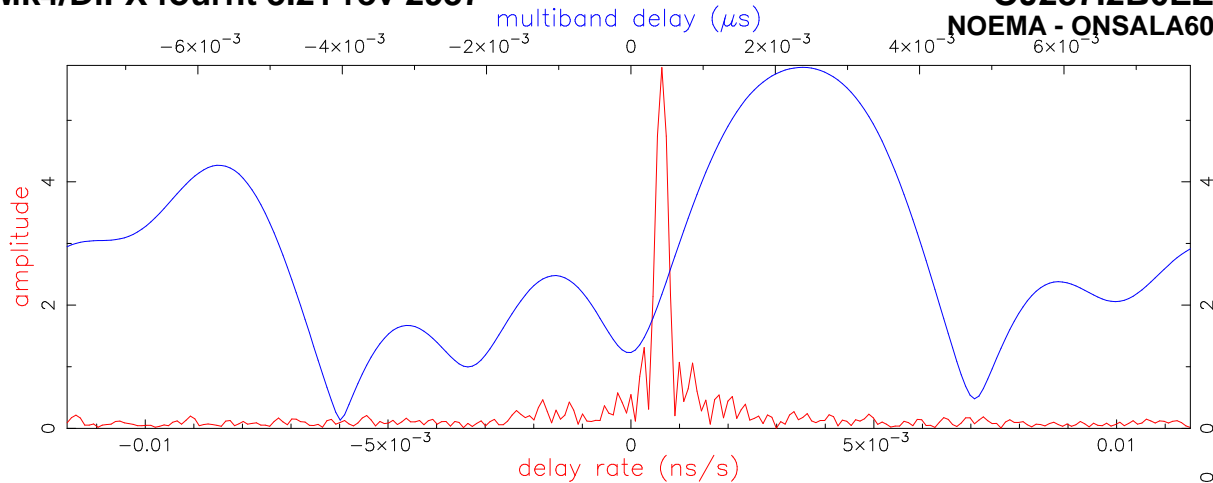
RMS Theor. Amplitude 24.225 +/- 0.055
Search (256X32) 23.806
Interp. 0.000
Inc. seg. avg. 24.203
Inc. frq. avg. 43.025

Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
Pcal rate: 0.000E+00, 0.000E+00 (us/s)
Bits/sample: 2x2 SampCntNorm: enabled
Sample rate(MISamp/s): 128
Data rate(Mb/s): 2048 nlags: 512 t_cohere infinite

sb window (us) -2.000 2.000
mb window (us) -0.008 0.008
dr window (ns/s) -0.012 0.012
ion window (TEC) 0.00 0.00

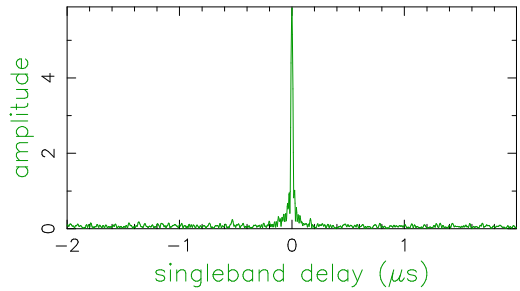
N: az 148.2 el 62.4 pa -22.8 X: az 166.1 el 52.0 pa -6.9 u,v (fr/asec) -888.807 -1638.150 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c221c/FRINGE/3mm/1234/No0267/NX..2B0EZS Output file: /Exps/c221c/FRINGE/3mm/1234/No0267/NX.W.58.2B0EZS

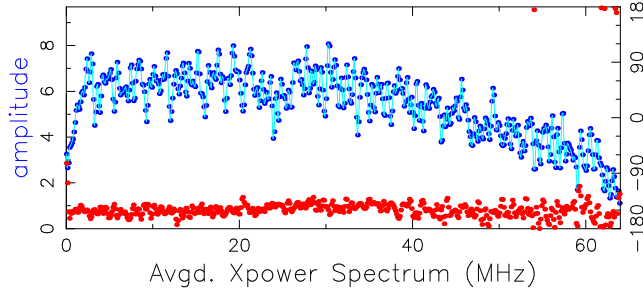


Fringe quality 5

SNR 107.8
Int time 44.911
Amp 5.890
Phase 173.9
PFD 0.0e+00
Delays (us)
SBD -0.000878
MBD 0.002405
Fringe rate (Hz)
0.054294
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.500

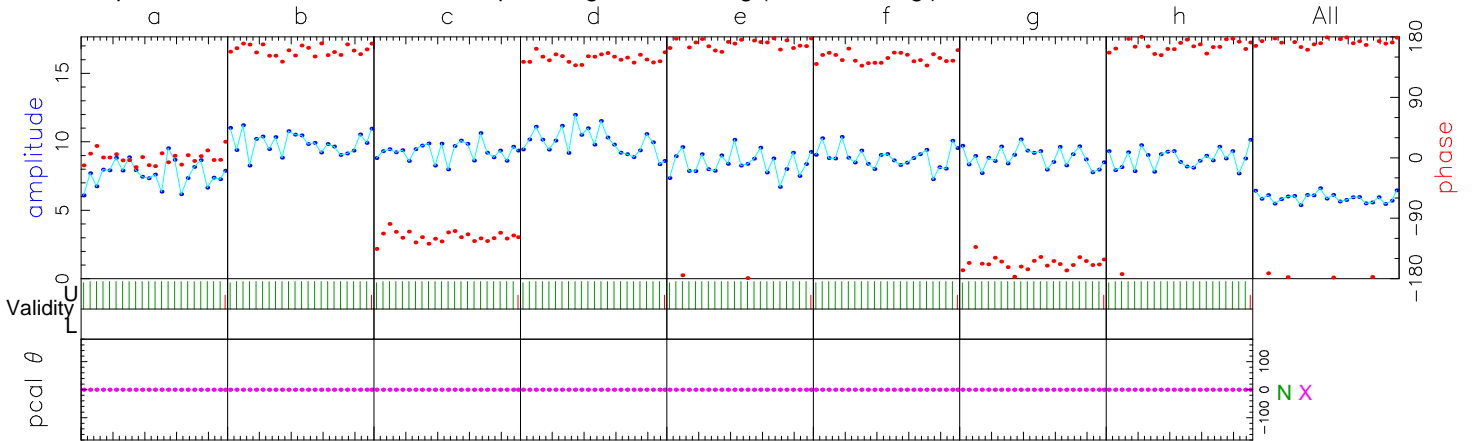


delay rate (ns/s)



Exp. c221c
Exper # 16383
Yr:day 2022:093
Start 184500.00
Stop 184545.00
FRT 184830.00
Corr/FF/build
2022:210:093316
2022:210:093811
2021:041:141600
RA & Dec (J2000)
08h54m48.874928s
+20°06'30.640850"

Amp. and Phase vs. time for each freq., 23 segs, 4 APs / seg (2.00 sec / seg.), time ticks 2 sec

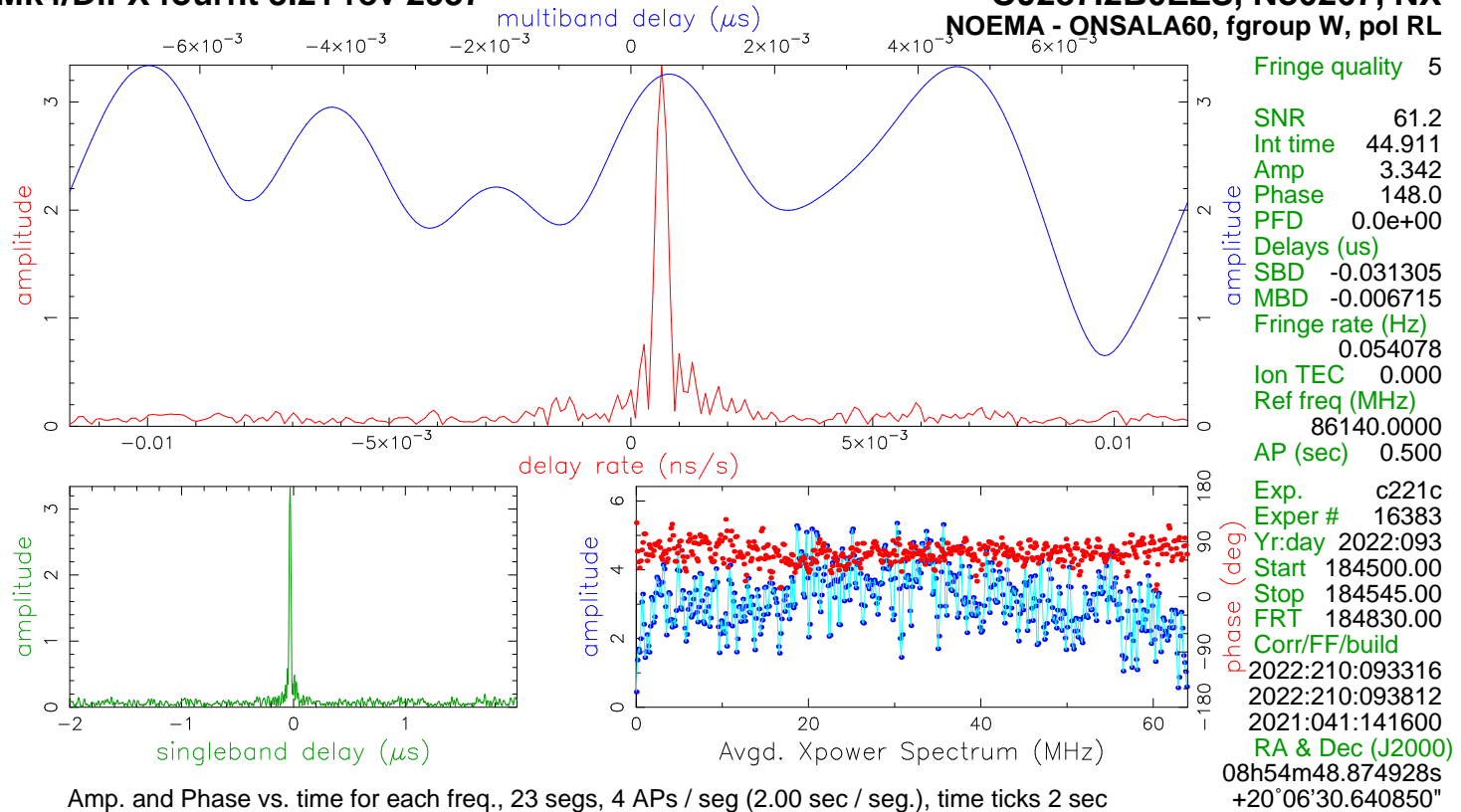


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	-0.7	159.4	-117.7	148.1	170.8	147.7	-157.3	167.3	Phase	173.9
	7.6	9.8	9.2	10.0	8.4	8.8	8.8	8.7	Ampl.	8.9
	514.0	513.1	512.5	512.3	512.0	512.4	512.6	513.9	Sbd box	512.8
U/L	90/0	90/0	90/0	90/0	90/0	90/0	90/0	90/0	APs used	
N	0	0	0	0	0	0	0	0	PC freqs	
X	0	0	0	0	0	0	0	0	PC freqs	
N:X	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
N:X	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
N	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
X	1000	1000	1000	1000	1000	1000	1000	1000		
N	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids	
X	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Tracks	

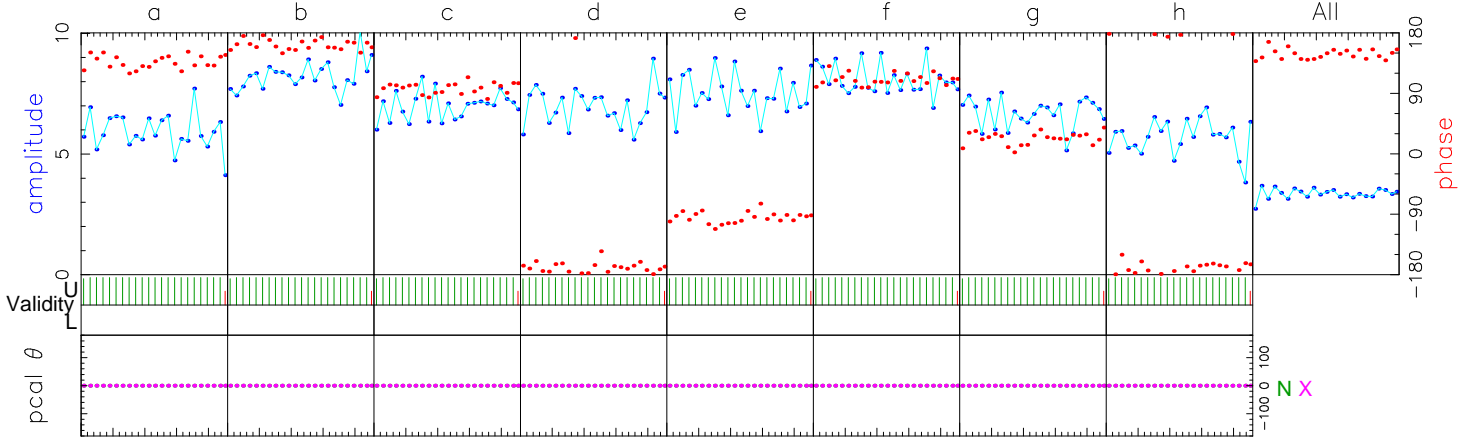
Group delay (usec)(sbd) 2.03965980607E+03 Apriori delay (usec) 2.03965740103E+03 Resid mbdelay (usec) 2.40504E-03 +/- 1.0E-05
 Sband delay (usec) 2.03965652303E+03 Apriori clock (usec) -8.5952042E+01 Resid sbdelay (usec) -8.78000E-04 +/- 8.0E-05
 Phase delay (usec) 2.03965740664E+03 Apriori clockrate (us/s) -1.2760000E-06 Resid phdelay (usec) 5.60643E-06 +/- 3.4E-08
 Delay rate (us/s) 1.41780219595E-01 Apriori rate (us/s) 1.41779589295E-01 Resid rate (us/s) 6.30299E-07 +/- 1.3E-09
 Total phase (deg) 2.8 Apriori accel (us/s/s) -1.67055073277E-05 Resid phase (deg) 173.9 +/- 1.1

RMS Theor. Amplitude 5.890 +/- 0.055 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 ph/seg (deg) 6.4 2.5 Search (256X32) 5.809 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -2.000 2.000
 amp/seg (%) 5.3 4.4 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 ph/frq (deg) 79.1 1.5 Inc. seg. avg. 5.896 Sample rate(MISamp/s): 128 dr window (ns/s) -0.012 0.012
 amp/frq (%) 52.7 2.6 Inc. frq. avg. 8.906 Data rate(Mb/s): 2048 nlags: 512 t_cohere infinite ion window (TEC) 0.00 0.00

N: az 148.2 el 62.4 pa -22.8 X: az 166.1 el 52.0 pa -6.9 u,v (fr/asec) -888.807 -1638.150 simultaneous interpolator
 Control file: cf_1234_gmva Input file: /Exps/c221c/FRINGE/3mm/1234/No0267/NX..2B0EZS Output file: /Exps/c221c/FRINGE/3mm/1234/No0267/NX.W.59.2B0EZS

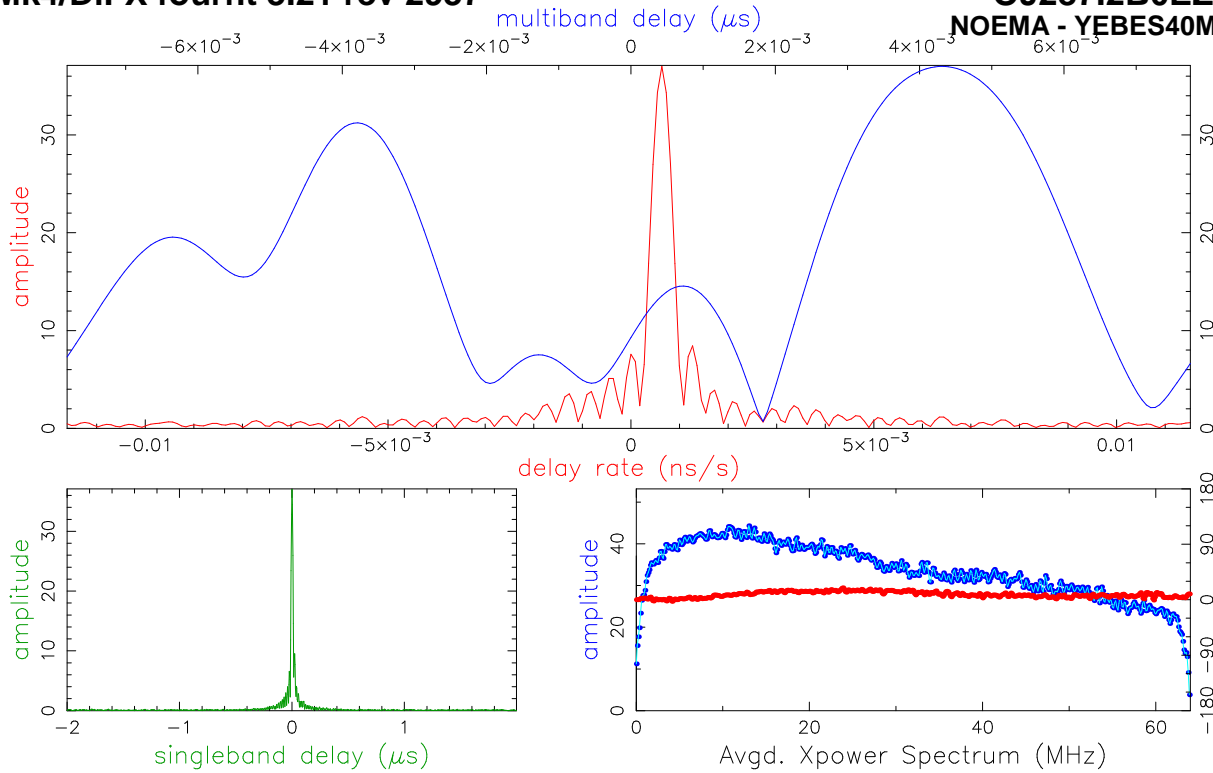


Amp. and Phase vs. time for each freq., 23 segs, 4 APs / seg (2.00 sec / seg.), time ticks 2 sec



	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	136.4	161.9	97.0	-170.0	-95.5	110.5	22.7	-172.1	Phase	148.0
	5.9	8.2	6.9	6.9	7.5	8.0	6.6	5.6	Ampl.	6.9
	506.8	504.8	504.6	504.2	504.3	504.6	504.7	505.6	Sbd box	505.0
U/L	90/0	90/0	90/0	90/0	90/0	90/0	90/0	90/0	APs used	
N	0	0	0	0	0	0	0	0	PC freqs	
X	0	0	0	0	0	0	0	0	PC freqs	
N:X	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
N:X	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
N	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
X	1000	1000	1000	1000	1000	1000	1000	1000		
N	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)	2.03961943616E+03		Apriori delay (usec)		2.03965740103E+03		Resid mbdelay (usec)		-6.71487E-03	+/- 1.8E-05
Sband delay (usec)	2.03962609553E+03		Apriori clock (usec)		-8.5952042E+01		Resid sbdelay (usec)		-3.13055E-02	+/- 1.4E-04
Phase delay (usec)	2.03965740580E+03		Apriori clockrate (us/s)		-1.2760000E-06		Resid phdelay (usec)		4.77319E-06	+/- 6.0E-08
Delay rate (us/s)	1.41780217087E-01		Apriori rate (us/s)		1.41779589295E-01		Resid rate (us/s)		6.27792E-07	+/- 2.3E-09
Total phase (deg)			Apriori accel (us/s/s)		-1.67055073277E-05		Resid phase (deg)		148.0	+/- 1.9

	RMS	Theor.	Amplitude	3.342 +/- 0.055	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5		
ph/seg (deg)	7.3	4.5	Search (256X32)	3.328	Pcal rate: 0.000E+00, 0.000E+00 (us/s)	sb window (us) -2.000 2.000		
amp/seg (%)	6.2	7.8	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: enabled	mb window (us) -0.008 0.008	
ph/frq (deg)	78.5	2.6	Inc. seg. avg.	3.358	Sample rate(MISamp/s): 128		dr window (ns/s) -0.012 0.012	
amp/frq (%)	111.1	4.6	Inc. frq. avg.	6.947	Data rate(Mb/s): 2048	nlags: 512	t_cohere infinite	ion window (TEC) 0.00 0.00

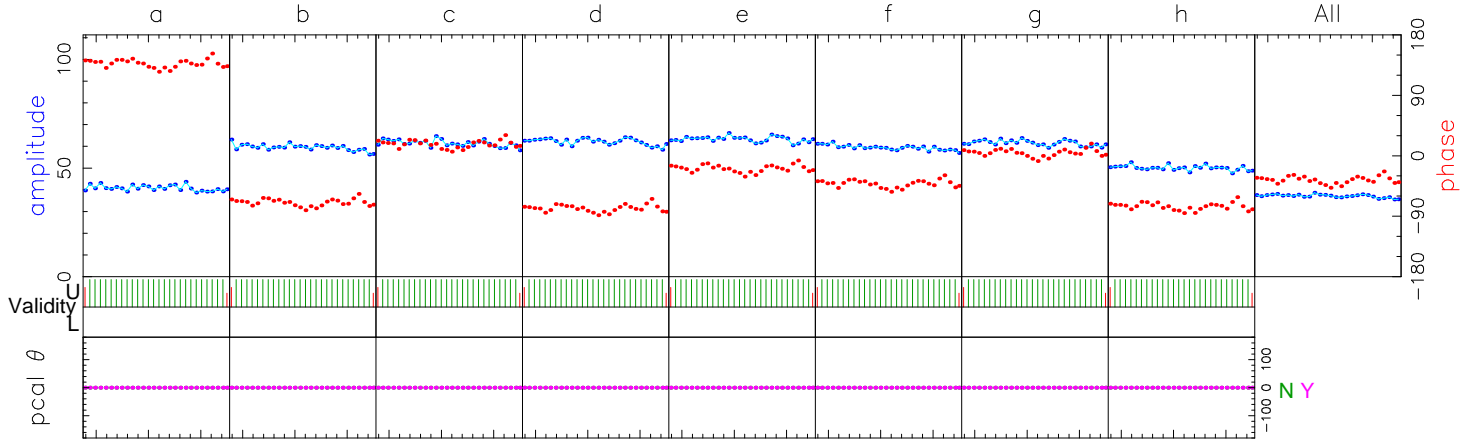


Fringe quality 5

SNR 528.6
Int time 27.213
Amp 37.109
Phase -36.0
PFD 0.0e+00
Delays (us)
SBD 0.000476
MBD 0.004301
Fringe rate (Hz) 0.058569
Ion TEC 0.000
Ref freq (MHz) 86140.0000
AP (sec) 0.500

Exp. c221c
Exper # 16383
Yr:day 2022:093
Start 184517.50
Stop 184545.00
FRT 184830.00
Corr/FF/build
2022:210:093316
2022:210:093746
2021:041:141600
RA & Dec (J2000) 08h54m48.874928s +20°06'30.640850"

Amp. and Phase vs. time for each freq., 28 segs, 2 APs / seg (1.00 sec / seg.), time ticks 2 sec



	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	137.3	-69.6	17.2	-78.2	-19.0	-41.5	4.4	-75.3	Phase	-36.0
	40.7	59.4	61.3	62.0	63.1	59.3	61.4	50.0	Ampl.	57.1
	515.3	513.6	513.0	513.0	512.9	512.7	513.1	512.8	Sbd box	513.1
U/L	55/0	55/0	55/0	55/0	55/0	55/0	55/0	55/0	APs used	
N	0	0	0	0	0	0	0	0	PC freqs	
Y	0	0	0	0	0	0	0	0	PC freqs	
N:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
N:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
N	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
Y	1000	1000	1000	1000	1000	1000	1000	1000		
N	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids	
Y	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Tracks	
									Tracks	
Group delay (usec)(sbd)	2.10356190177E+02		Apriori delay (usec)		2.10351889062E+02		Resid mbdelay (usec)		4.30111E-03	+/- 2.1E-06
Sband delay (usec)	2.10352364562E+02		Apriori clock (usec)		7.4898872E+00		Resid sbdelay (usec)		4.75500E-04	+/- 1.6E-05
Phase delay (usec)	2.10351887903E+02		Apriori clockrate (us/s)		6.7699996E-07		Resid phdelay (usec)		-1.15954E-06	+/- 7.0E-09
Delay rate (us/s)	-1.82025850313E-01		Apriori rate (us/s)		-1.82026530241E-01		Resid rate (us/s)		6.79928E-07	+/- 4.4E-10
Total phase (deg)	224.6		Apriori accel (us/s/s)		9.69338273254E-07		Resid phase (deg)		-36.0	+/- 0.2

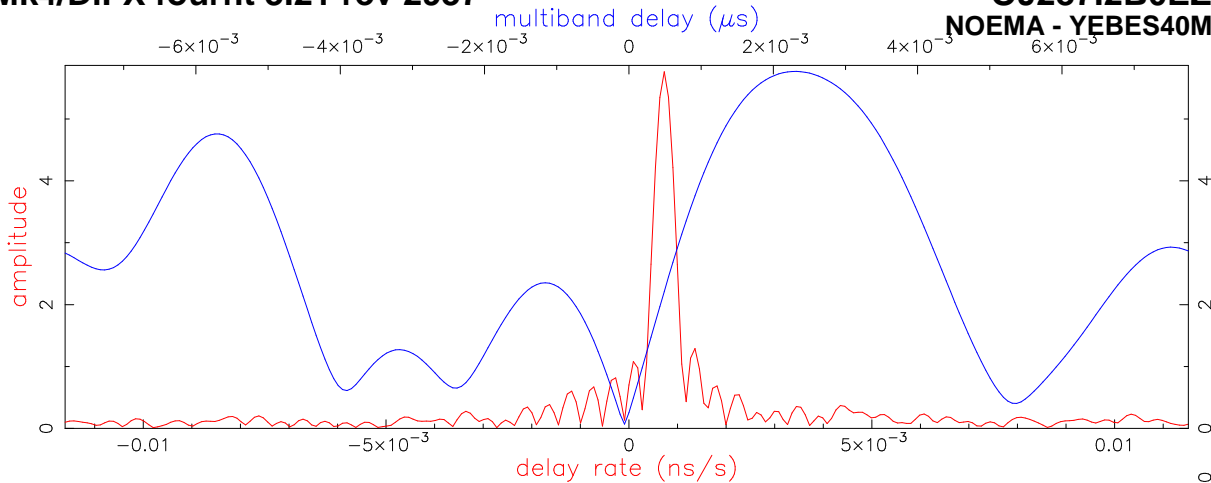
ph/seg (deg) 5.4 0.6
amp/seg (%) 1.9 1.0
ph/frq (deg) 80.9 0.3
amp/frq (%) 57.5 0.5

RMS Theor. Amplitude 37.109 +/- 0.070
Search (128X32) 36.020
Interp. 0.000
Inc. seg. avg. 37.220
Inc. frq. avg. 57.141

pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -2.000 2.000
Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
Sample rate(MISamp/s): 128 dr window (ns/s) -0.012 0.012
Data rate(Mb/s): 2048 nlags: 512 t_cohere infinite ion window (TEC) 0.00 0.00

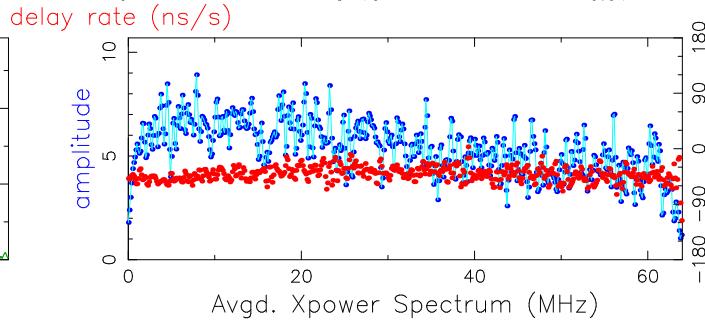
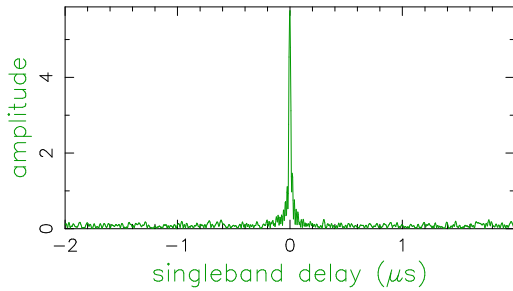
N: az 148.2 el 62.4 pa -22.8 Y: az 127.8 el 61.0 pa -38.9 u,v (fr/asec) 1110.242 463.511 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c221c/FRINGE/3mm/1234/No0267/NY..2B0EZS Output file: /Exps/c221c/FRINGE/3mm/1234/No0267/NY.W.1.2B0EZS



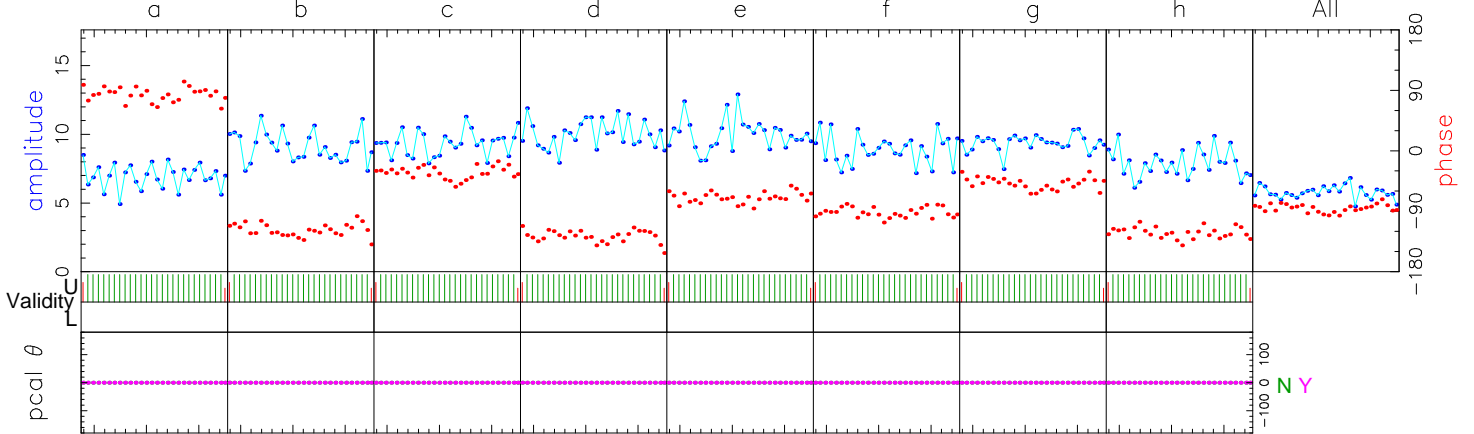
Fringe quality 5

SNR 83.6
Int time 27.213
Amp 5.867
Phase -85.6
PFD 0.0e+00
Delays (us)
SBD -0.001612
MBD 0.002395
Fringe rate (Hz)
0.058698
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.500



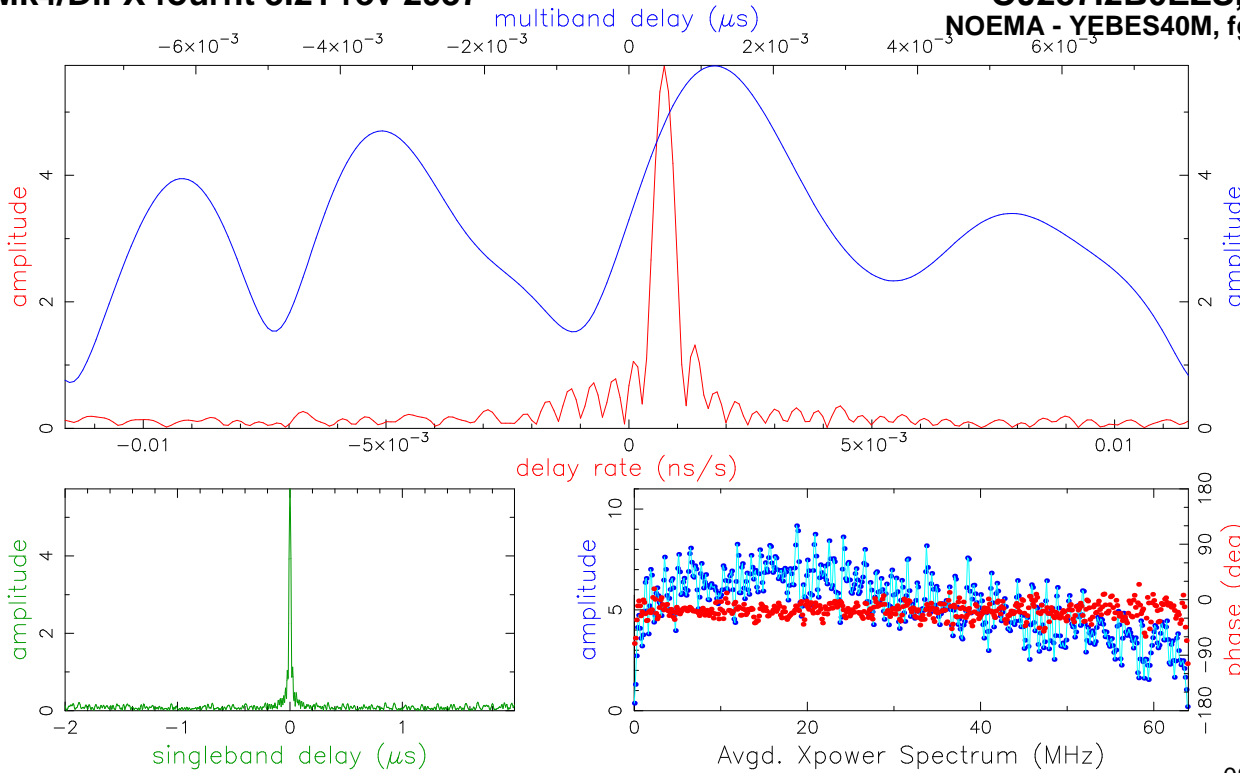
Exp. c221c
Exper # 16383
Yr:day 2022:093
Start 184517.50
Stop 184545.00
FRT 184830.00
Corr/FF/build
2022:210:093316
2022:210:093748
2021:041:141600
RA & Dec (J2000)
08h54m48.874928s
+20°06'30.640850"

Amp. and Phase vs. time for each freq., 28 segs, 2 APs / seg (1.00 sec / seg.), time ticks 2 sec



	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	83.8	-117.1	-32.8	-126.9	-69.8	-91.6	-48.7	-121.9	Phase	-85.6
	6.8	9.0	9.2	10.0	10.0	8.8	9.3	7.8	Ampl.	8.9
	514.9	512.7	512.8	512.6	512.3	512.3	512.7	512.7	Sbd box	512.6
U/L	55/0	55/0	55/0	55/0	55/0	55/0	55/0	55/0	APs used	
N	0	0	0	0	0	0	0	0	PC freqs	
Y	0	0	0	0	0	0	0	0	PC freqs	
N:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
N:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
N	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
Y	1000	1000	1000	1000	1000	1000	1000	1000		
N	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids	
Y	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Tracks	
									Tracks	
Group delay (usec)(sbd)	2.10354284395E+02		Apriori delay (usec)		2.10351889062E+02		Resid mbdelay (usec)		2.39533E-03	+/- 1.3E-05
Sband delay (usec)	2.10350277312E+02		Apriori clock (usec)		7.4898872E+00		Resid sbdelay (usec)		-1.61175E-03	+/- 1.0E-04
Phase delay (usec)	2.10351886302E+02		Apriori clockrate (us/s)		6.7699996E-07		Resid phdelay (usec)		-2.75977E-06	+/- 4.4E-08
Delay rate (us/s)	-1.82025848815E-01		Apriori rate (us/s)		-1.82026530241E-01		Resid rate (us/s)		6.81426E-07	+/- 2.8E-09
Total phase (deg)	175.0		Apriori accel (us/s/s)		9.69338273254E-07		Resid phase (deg)		-85.6	+/- 1.4

RMS Theor. Amplitude 5.867 +/- 0.070
 ph/seg (deg) 6.0 3.6 Search (128X32) 5.625 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 7.6 6.3 Interp. 0.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -2.000 2.000
 ph/frq (deg) 78.7 1.9 Inc. seg. avg. 5.792 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 amp/frq (%) 53.9 3.4 Inc. frq. avg. 8.863 Sample rate(MISamp/s): 128 Data rate(Mb/s): 2048 nlags: 512 t_cohere infinite dr window (ns/s) -0.012 0.012
 N: az 148.2 el 62.4 pa -22.8 Y: az 127.8 el 61.0 pa -38.9 u,v (fr/asec) 1110.242 463.511 simultaneous interpolator
 Control file: cf_1234_gmva Input file: /Exps/c221c/FRINGE/3mm/1234/No0267/NY..2B0EZS Output file: /Exps/c221c/FRINGE/3mm/1234/No0267/NY.W.15.2B0EZS

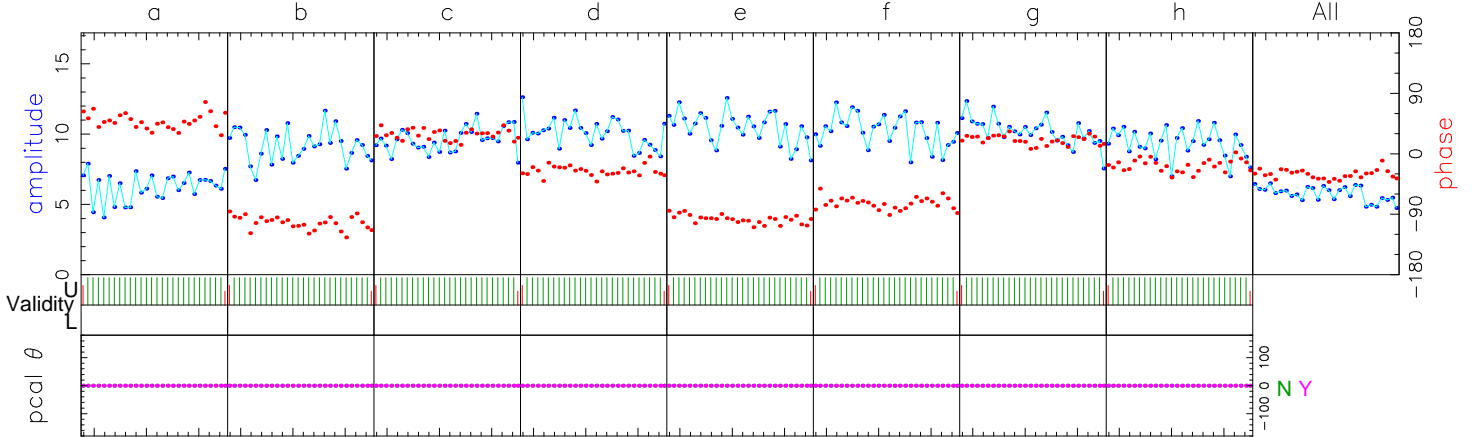


Fringe quality 5

SNR 81.7
Int time 27.213
Amp 5.737
Phase -30.5
PFD 0.0e+00
Delays (us)
SBD 0.000029
MBD 0.001185
Fringe rate (Hz)
0.058920
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.500

Exp. c221c
Exper # 16383
Yr:day 2022:093
Start 184517.50
Stop 184545.00
FRT 184830.00
Corr/FF/build
2022:210:093316
2022:210:093748
2021:041:141600
RA & Dec (J2000)
08h54m48.874928s
+20°06'30.640850"

Amp. and Phase vs. time for each freq., 28 segs, 2 APs / seg (1.00 sec / seg.), time ticks 2 sec



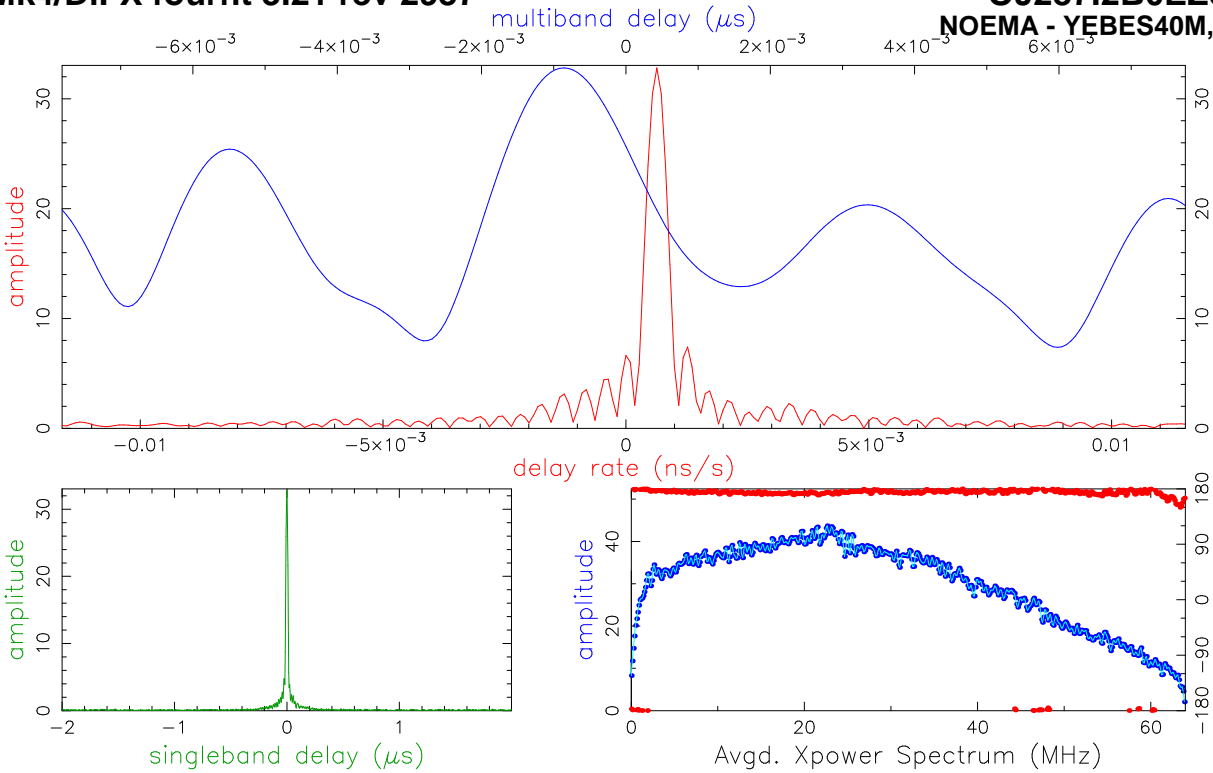
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	47.8	-102.4	28.9	-25.2	-97.2	-73.7	20.8	-17.3	Phase	-30.5
	6.1	9.1	9.6	10.0	10.4	10.2	10.2	9.3	Ampl.	9.4
	515.0	513.3	512.7	512.7	512.5	512.4	512.8	512.6	Sbd box	513.0
U/L	55/0	55/0	55/0	55/0	55/0	55/0	55/0	55/0	APs used	
N	0	0	0	0	0	0	0	0	PC freqs	
Y	0	0	0	0	0	0	0	0	PC freqs	
N:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
N:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
N	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
Y	1000	1000	1000	1000	1000	1000	1000	1000		
N	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids	
Y	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Tracks	

Group delay (usec)(sbd)	2.10353073708E+02	Apriori delay (usec)	2.10351889062E+02	Resid mbdelay (usec)	1.18465E-03	+/-	1.3E-05
Sband delay (usec)	2.10351917812E+02	Apriori clock (usec)	7.4898872E+00	Resid sbdelay (usec)	2.87500E-05	+/-	1.1E-04
Phase delay (usec)	2.10351888080E+02	Apriori clockrate (us/s)	6.7699996E-07	Resid phdelay (usec)	-9.82220E-07	+/-	4.5E-08
Delay rate (us/s)	-1.82025846238E-01	Apriori rate (us/s)	-1.82026530241E-01	Resid rate (us/s)	6.84003E-07	+/-	2.8E-09
Total phase (deg)	230.1	Apriori accel (us/s/s)	9.69338273254E-07	Resid phase (deg)	-30.5	+/-	1.4

ph/seg (deg)	6.7	Theor.	3.7	Amplitude	5.737 +/- 0.070	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5		
amp/seg (%)	8.7		6.5	Search (128X32)	5.619	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-2.000 2.000		
ph/frq (deg)	63.2		2.0	Inc. seg. avg.	5.764	Bits/sample:	2x2	SampCntNorm: enabled	mb window (us)	-0.008 0.008	
amp/frq (%)	67.2		3.5	Inc. frq. avg.	9.359	Sample rate (MSamp/s):	128	dr window (ns/s)	-0.012 0.012		
						Data rate (Mb/s):	2048	nlags: 512	t_cohere infinite	ion window (TEC)	0.00 0.00

N: az 148.2 el 62.4 pa -22.8 Y: az 127.8 el 61.0 pa -38.9 u,v (fr/asec) 1110.242 463.511 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c221c/FRINGE/3mm/1234/No0267/NY..2B0EZS Output file: /Exps/c221c/FRINGE/3mm/1234/No0267/NY.W.21.2B0EZS

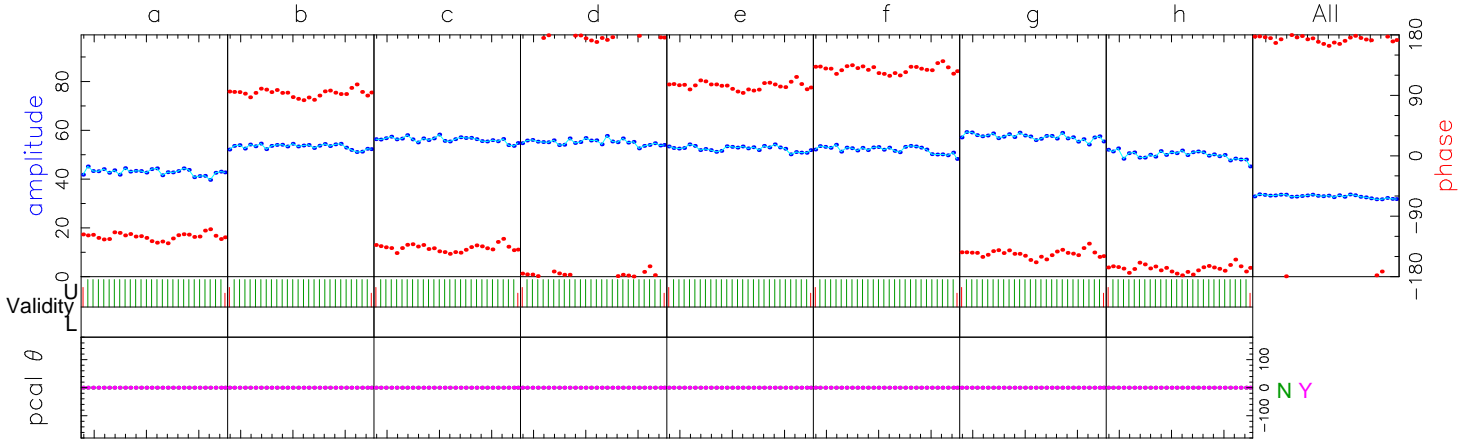


Fringe quality 5

SNR 470.6
Int time 27.213
Amp 33.037
Phase 174.3
PFD 0.0e+00
Delays (us)
SBD -0.001058
MBD -0.000848
Fringe rate (Hz) 0.058469
Ion TEC 0.000
Ref freq (MHz) 86140.0000
AP (sec) 0.500

Exp. c221c
Exper # 16383
Yr:day 2022:093
Start 184517.50
Stop 184545.00
FRT 184830.00
Corr/FF/build
2022:210:093316
2022:210:093746
2021:041:141600
RA & Dec (J2000) 08h54m48.874928s +20°06'30.640850"

Amp. and Phase vs. time for each freq., 28 segs, 2 APs / seg (1.00 sec / seg.), time ticks 2 sec

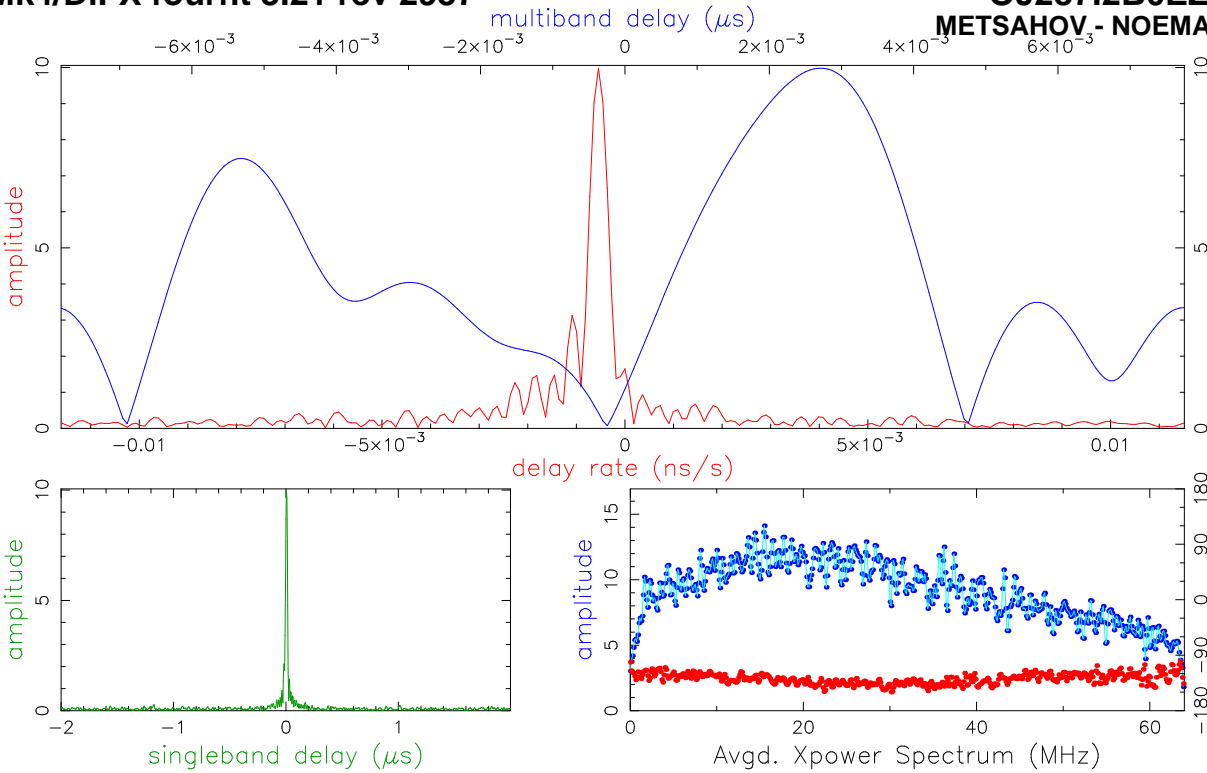


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	-120.2	93.1	-137.1	-179.8	104.1	128.7	-145.7	-167.9	Phase	174.3
	42.8	53.2	56.0	55.0	52.3	51.9	57.2	49.8	Ampl.	52.3
	514.7	512.2	512.5	512.3	511.9	512.0	512.3	512.4	Sbd box	512.7
U/L	55/0	55/0	55/0	55/0	55/0	55/0	55/0	55/0	APs used	
N	0	0	0	0	0	0	0	0	PC freqs	
Y	0	0	0	0	0	0	0	0	PC freqs	
N:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
N:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
N	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
Y	1000	1000	1000	1000	1000	1000	1000	1000		
N	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids	
Y	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Tracks	

Group delay (usec)(sbd) 2.10351040583E+02 Apriori delay (usec) 2.10351889062E+02 Resid mbdelay (usec) -8.48479E-04 +/- 2.3E-06
 Sband delay (usec) 2.10350831062E+02 Apriori clock (usec) 7.4898872E+00 Resid sbdelay (usec) -1.05800E-03 +/- 1.8E-05
 Phase delay (usec) 2.10351894681E+02 Apriori clockrate (us/s) 6.7699996E-07 Resid phdelay (usec) 5.61923E-06 +/- 7.9E-09
 Delay rate (us/s) -1.82025851473E-01 Apriori rate (us/s) -1.82026530241E-01 Resid rate (us/s) 6.78767E-07 +/- 4.9E-10
 Total phase (deg) 74.8 Apriori accel (us/s/s) 9.69338273254E-07 Resid phase (deg) 174.3 +/- 0.2

RMS Theor. Amplitude 33.037 +/- 0.070 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 ph/seg (deg) 5.3 0.6 Search (128X32) 32.098 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -2.000 2.000
 amp/seg (%) 1.8 1.1 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 ph/frq (deg) 60.9 0.3 Inc. seg. avg. 32.990 Sample rate(MISamp/s): 128 dr window (ns/s) -0.012 0.012
 amp/frq (%) 59.6 0.6 Inc. frq. avg. 52.280 Data rate(Mb/s): 2048 nlags: 512 t_cohere infinite ion window (TEC) 0.00 0.00

N: az 148.2 el 62.4 pa -22.8 Y: az 127.8 el 61.0 pa -38.9 u,v (fr/asec) 1110.242 463.511 simultaneous interpolator
 Control file: cf_1234_gmva Input file: /Exps/c221c/FRINGE/3mm/1234/No0267/NY..2B0EZS Output file: /Exps/c221c/FRINGE/3mm/1234/No0267/NY.W.5.2B0EZS

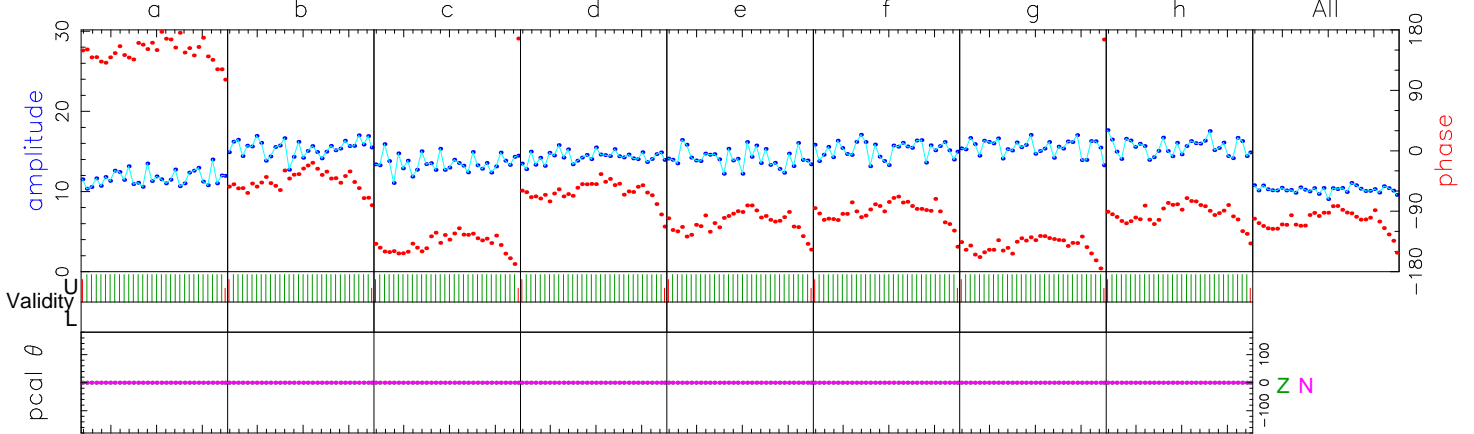


Fringe quality 4

SNR 153.8
Int time 31.315
Amp 10.058
Phase -103.6
PFD 0.0e+00
Delays (us)
SBD 0.005006
MBD 0.002680
Fringe rate (Hz)
-0.048772
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.500

Exp. c221c
Exper # 16383
Yr:day 2022:093
Start 184513.50
Stop 184545.00
FRT 184830.00
Corr/FF/build
2022:210:093316
2022:210:093801
2021:041:141600
RA & Dec (J2000)
08h54m48.874928s
+20°06'30.640850"

Amp. and Phase vs. time for each freq., 32 segs, 2 APs / seg (1.00 sec / seg.), time ticks 2 sec

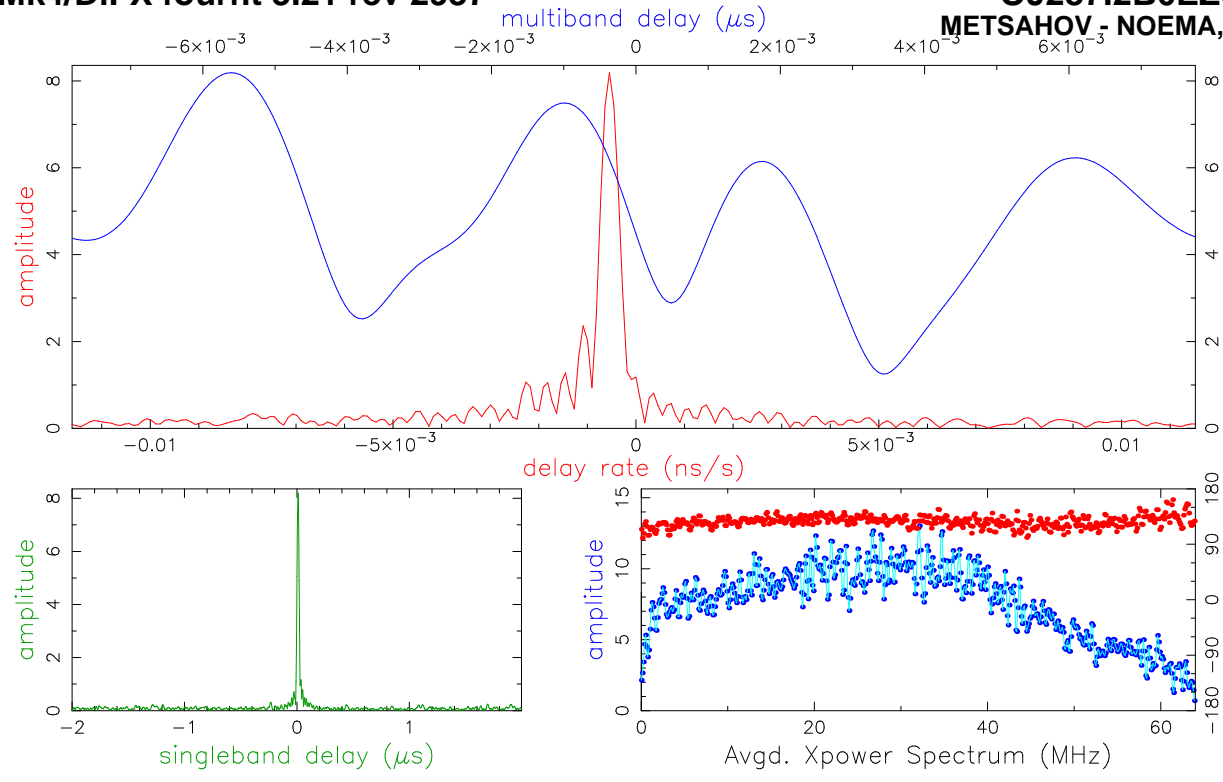


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	147.5	-44.8	-139.7	-60.6	-106.3	-90.1	-141.9	-93.5	Phase	-103.6
	11.3	15.0	13.1	14.0	13.7	14.8	15.2	15.2	Ampl.	14.0
	512.3	513.9	514.6	514.8	515.0	514.8	514.8	514.0	Sbd box	514.3
U/L	63/0	63/0	63/0	63/0	63/0	63/0	63/0	63/0	APs used	
Z	0	0	0	0	0	0	0	0	PC freqs	
N	0	0	0	0	0	0	0	0	PC freqs	
Z:N	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
Z:N	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
Z	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
N	1000	1000	1000	1000	1000	1000	1000	1000		
Z	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids	
N	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Tracks	

Group delay (usec)(sbd)	-2.69895907815E+03	Apriori delay (usec)	-2.69896175857E+03	Resid mbdelay (usec)	2.68042E-03	+/-	7.1E-06
Sband delay (usec)	-2.69895675232E+03	Apriori clock (usec)	1.2788355E+01	Resid sbdelay (usec)	5.00625E-03	+/-	5.6E-05
Phase delay (usec)	-2.69896176191E+03	Apriori clockrate (us/s)	6.8630003E-07	Resid phdelay (usec)	-3.34168E-06	+/-	2.4E-08
Delay rate (us/s)	-3.07774035168E-01	Apriori rate (us/s)	-3.07773468973E-01	Resid rate (us/s)	-5.66195E-07	+/-	1.3E-09
Total phase (deg)	-61.6	Apriori accel (us/s/s)	2.08111113323E-05	Resid phase (deg)	-103.6	+/-	0.7

ph/seg (deg)	13.4	RMS	2.1	Theor.	10.058 +/- 0.065	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5		
amp/seg (%)	4.3	Search (128X32)	9.875	Interp.	0.000	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-2.000 2.000		
ph/frq (deg)	58.0	Inc. seg. avg.	10.257	Inc. frq. avg.	14.040	Bits/sample:	2x2	SampCntNorm: enabled	mb window (us)	-0.008 0.008	
amp/frq (%)	41.5	Inc. frq. avg.	14.040	Inc. frq. avg.	14.040	Sample rate (MSamp/s):	128	dr window (ns/s)	-0.012 0.012		
Z: az 185.0 el 49.7 pa 3.4		N: az 148.2 el 62.4 pa -22.8		u, v (fr/asec)	1906.703 1963.653	Data rate (Mb/s):	2048	nlags: 512	t_cohere infinite	ion window (TEC)	0.00 0.00

Control file: cf_1234_gmva Input file: /Exps/c221c/FRINGE/3mm/1234/No0267/ZN..2B0EZS Output file: /Exps/c221c/FRINGE/3mm/1234/No0267/ZN.W.37.2B0EZS simultaneous interpolator

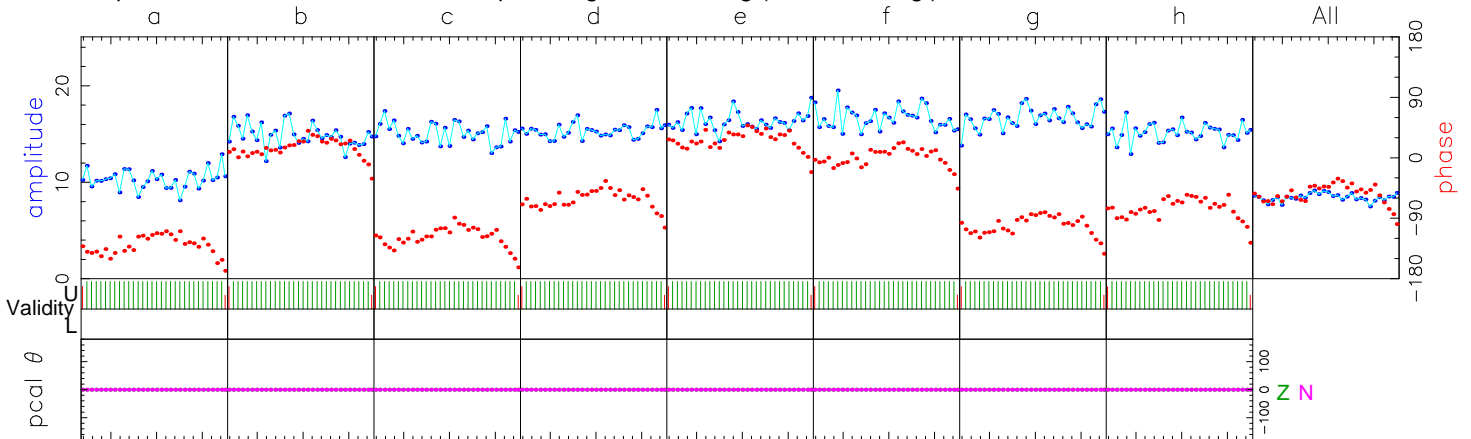


Fringe quality 4

SNR 127.8
 Int time 31.315
 Amp 8.359
 Phase -53.5
 PFD 0.0e+00
 Delays (us)
 SBD 0.009756
 MBD -0.005607
 Fringe rate (Hz)
 -0.048990
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.500

Exp. c221c
 Exper # 16383
 Yr:day 2022:093
 Start 184513.50
 Stop 184545.00
 FRT 184830.00
 Corr/FF/build
 2022:210:093316
 2022:210:093802
 2021:041:141600
 RA & Dec (J2000)
 08h54m48.874928s
 +20°06'30.640850"

Amp. and Phase vs. time for each freq., 32 segs, 2 APs / seg (1.00 sec / seg.), time ticks 2 sec

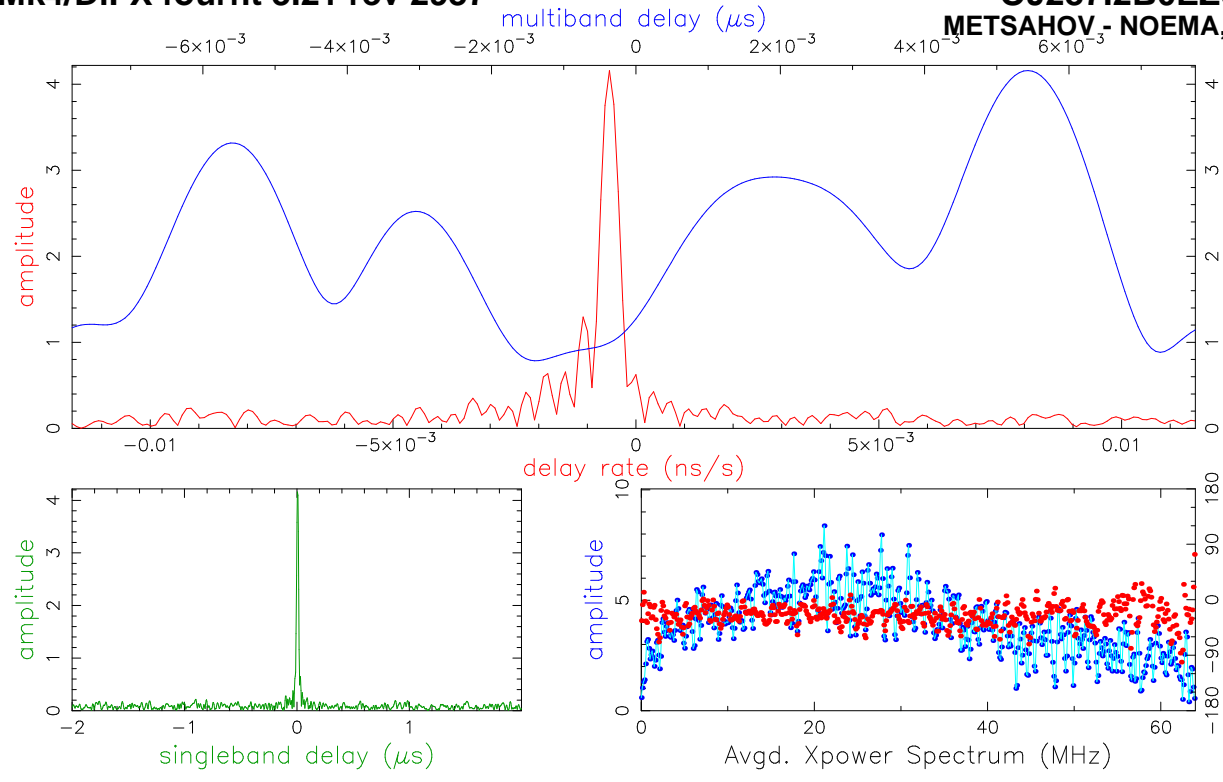


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	-130.5	14.8	-117.8	-61.7	26.8	1.0	-100.7	-75.2	Phase	-53.5
	10.0	14.6	14.6	15.0	15.9	16.3	16.2	14.7	Ampl.	14.6
	514.0	515.5	516.0	516.3	516.4	516.2	516.1	515.3	Sbd box	515.5
U/L	63/0	63/0	63/0	63/0	63/0	63/0	63/0	63/0	APs used	
Z	0	0	0	0	0	0	0	0	PC freqs	
N	0	0	0	0	0	0	0	0	PC freqs	
Z:N	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
Z:N	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
Z	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
N	1000	1000	1000	1000	1000	1000	1000	1000		
Z	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids	
N	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Tracks	

Group delay (usec)(sbd) -2.69895174058E+03 Apriori delay (usec) -2.69896175857E+03 Resid mbdelay (usec) -5.60701E-03 +/- 8.5E-06
 Sband delay (usec) -2.69895200282E+03 Apriori clock (usec) 1.2788355E+01 Resid sbdelay (usec) 9.75575E-03 +/- 6.7E-05
 Phase delay (usec) -2.69896176030E+03 Apriori clockrate (us/s) 6.8630003E-07 Resid phdelay (usec) -1.72456E-06 +/- 2.9E-08
 Delay rate (us/s) -3.07774037698E-01 Apriori rate (us/s) -3.07773468973E-01 Resid rate (us/s) -5.68725E-07 +/- 1.6E-09
 Total phase (deg) -11.5 Apriori accel (us/s/s) 2.08111113323E-05 Resid phase (deg) -53.5 +/- 0.9

RMS Theor. Amplitude 8.359 +/- 0.065 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 ph/seg (deg) 13.6 2.5 Search (128X32) 8.069 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -2.000 2.000
 amp/seg (%) 4.7 4.4 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 ph/frq (deg) 67.0 1.3 Inc. seg. avg. 8.428 Sample rate(MISamp/s): 128 dr window (ns/s) -0.012 0.012
 amp/frq (%) 78.6 2.2 Inc. frq. avg. 14.649 Data rate(Mb/s): 2048 nlags: 512 t_cohere infinite ion window (TEC) 0.00 0.00

Z: az 185.0 el 49.7 pa 3.4 N: az 148.2 el 62.4 pa -22.8 u,v (fr/asec) 1906.703 1963.653 simultaneous interpolator
 Control file: cf_1234_gmva Input file: /Exps/c221c/FRINGE/3mm/1234/No0267/ZN..2B0EZS Output file: /Exps/c221c/FRINGE/3mm/1234/No0267/ZN.W.38.2B0EZS

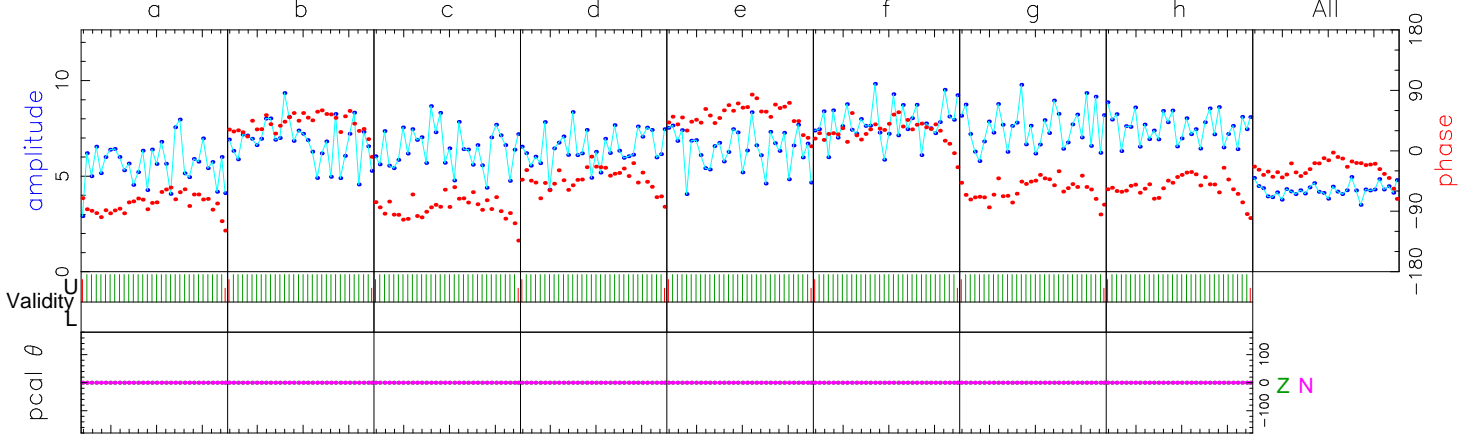


Fringe quality 4

SNR 64.5
Int time 31.315
Amp 4.219
Phase -26.3
PFD 0.0e+00
Delays (us)
SBD 0.005496
MBD 0.005429
Fringe rate (Hz)
-0.048983
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.500

Exp. c221c
Exper # 16383
Yr:day 2022:093
Start 184513.50
Stop 184545.00
FRT 184830.00
Corr/FF/build
2022:210:093316
2022:210:093802
2021:041:141600
RA & Dec (J2000)
08h54m48.874928s
+20°06'30.640850"

Amp. and Phase vs. time for each freq., 32 segs, 2 APs / seg (1.00 sec / seg.), time ticks 2 sec

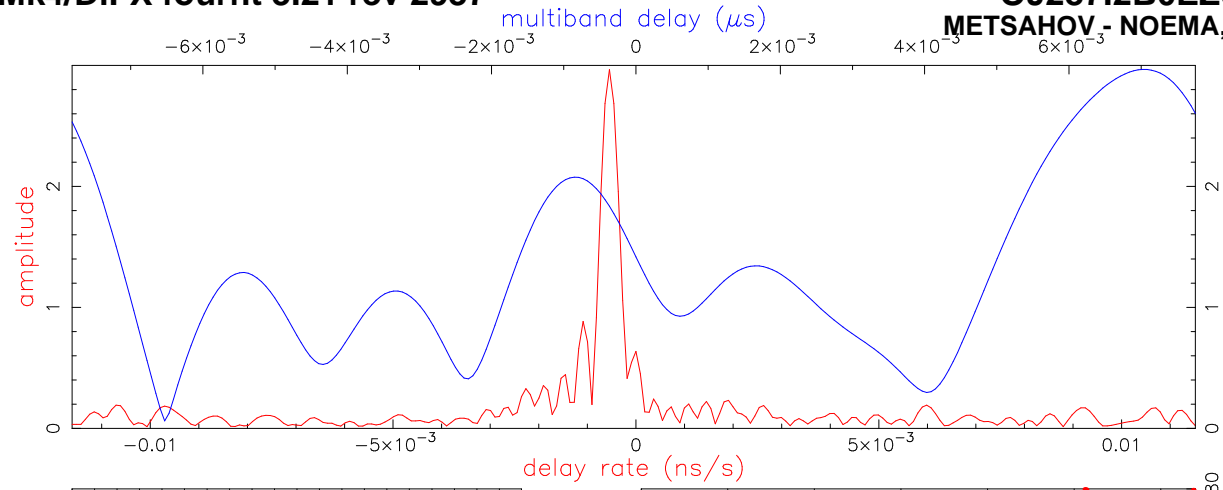


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	-78.4	41.1	-84.7	-41.6	53.5	29.4	-57.3	-53.7	Phase	-26.3
	5.5	6.6	6.3	6.2	6.2	7.5	7.3	7.3	Ampl.	6.6
	512.4	514.3	514.8	515.2	515.3	515.0	515.0	514.2	Sbd box	514.4
U/L	63/0	63/0	63/0	63/0	63/0	63/0	63/0	63/0	APs used	
Z	0	0	0	0	0	0	0	0	PC freqs	
N	0	0	0	0	0	0	0	0	PC freqs	
Z:N	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
Z:N	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
Z	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
N	1000	1000	1000	1000	1000	1000	1000	1000		
Z	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids	
N	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Tracks	

Group delay (usec)(sbd) -2.69895632911E+03 Apriori delay (usec) -2.69896175857E+03 Resid mbdelay (usec) 5.42946E-03 +/- 1.7E-05
 Sband delay (usec) -2.69895626257E+03 Apriori clock (usec) 1.2788355E+01 Resid sbdelay (usec) 5.49600E-03 +/- 1.3E-04
 Phase delay (usec) -2.69896175942E+03 Apriori clockrate (us/s) 6.8630003E-07 Resid phdelay (usec) -8.48001E-07 +/- 5.7E-08
 Delay rate (us/s) -3.07774037617E-01 Apriori rate (us/s) -3.07773468973E-01 Resid rate (us/s) -5.68644E-07 +/- 3.2E-09
 Total phase (deg) -344.3 Apriori accel (us/s/s) 2.08111113323E-05 Resid phase (deg) -26.3 +/- 1.8

RMS Theor. Amplitude 4.219 +/- 0.065 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 ph/seg (deg) 12.6 5.0 Search (128X32) 4.067 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -2.000 2.000
 amp/seg (%) 7.5 8.8 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 ph/frq (deg) 60.7 2.5 Inc. seg. avg. 4.249 Sample rate(MISamp/s): 128 dr window (ns/s) -0.012 0.012
 amp/frq (%) 59.0 4.4 Inc. frq. avg. 6.617 Data rate(Mb/s): 2048 nlags: 512 t_cohere infinite ion window (TEC) 0.00 0.00

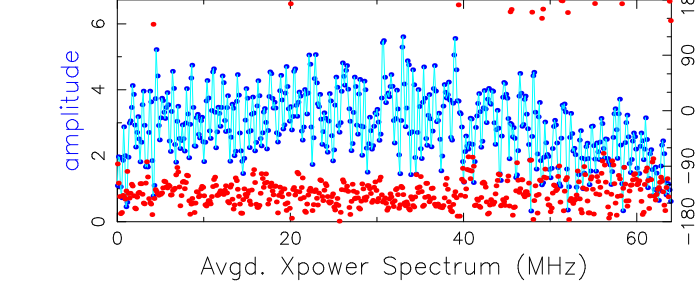
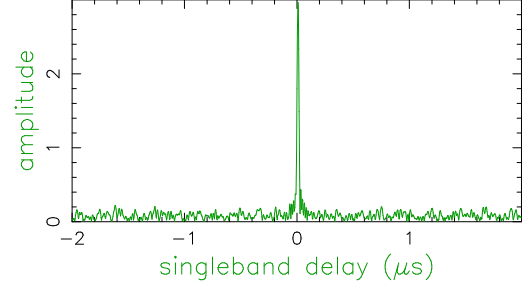
Z: az 185.0 el 49.7 pa 3.4 N: az 148.2 el 62.4 pa -22.8 u,v (fr/asec) 1906.703 1963.653 simultaneous interpolator
 Control file: cf_1234_gmva Input file: /Exps/c221c/FRINGE/3mm/1234/No0267/ZN..2B0EZS Output file: /Exps/c221c/FRINGE/3mm/1234/No0267/ZN.W.39.2B0EZS



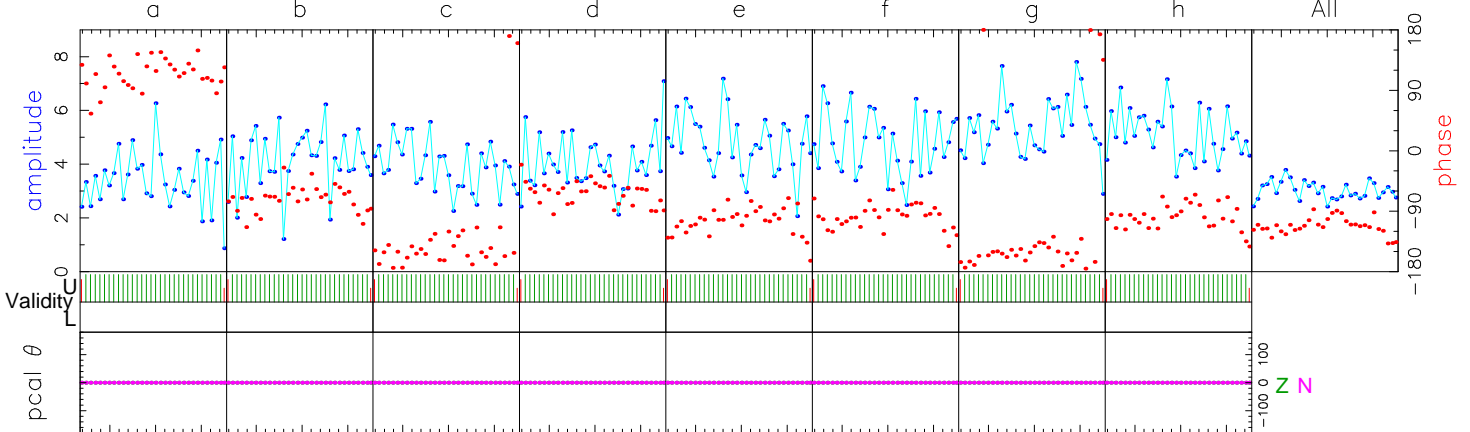
Fringe quality 5

SNR 45.9
Int time 31.315
Amp 3.000
Phase -112.0
PFD 0.0e+00
Delays (us)
SBD 0.009184
MBD 0.006993
Fringe rate (Hz)
-0.048822
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.500

Exp. c221c
Exper # 16383
Yr:day 2022:093
Start 184513.50
Stop 184545.00
FRT 184830.00
Corr/FF/build
2022:210:093316
2022:210:093803
2021:041:141600
RA & Dec (J2000)
08h54m48.874928s
+20°06'30.640850"



Amp. and Phase vs. time for each freq., 32 segs, 2 APs / seg (1.00 sec / seg.), time ticks 2 sec



	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	114.4	-71.8	-151.5	-63.8	-104.2	-98.0	-156.2	-97.3	Phase	-112.0
	3.2	4.0	3.8	3.9	4.6	4.6	5.3	4.9	Ampl.	4.3
	513.7	514.9	515.7	515.9	516.0	515.8	515.7	514.9	Sbd box	515.4
U/L	63/0	63/0	63/0	63/0	63/0	63/0	63/0	63/0	APs used	
Z	0	0	0	0	0	0	0	0	PC freqs	
N	0	0	0	0	0	0	0	0	PC freqs	
Z:N	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
Z:N	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
Z	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
N	1000	1000	1000	1000	1000	1000	1000	1000		
Z	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids	
N	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Tracks	

Group delay (usec)(sbd)	-2.69895476558E+03	Apriori delay (usec)	-2.69896175857E+03	Resid mbdelay (usec)	6.99299E-03	+/-	2.4E-05
Sband delay (usec)	-2.69895257482E+03	Apriori clock (usec)	1.2788355E+01	Resid sbdelay (usec)	9.18375E-03	+/-	1.9E-04
Phase delay (usec)	-2.69896176218E+03	Apriori clockrate (us/s)	6.8630003E-07	Resid phdelay (usec)	-3.61070E-06	+/-	8.1E-08
Delay rate (us/s)	-3.07774035748E-01	Apriori rate (us/s)	-3.07773468973E-01	Resid rate (us/s)	-5.66775E-07	+/-	4.4E-09
Total phase (deg)	-70.0	Apriori accel (us/s/s)	2.08111113323E-05	Resid phase (deg)	-112.0	+/-	2.5

ph/seg (deg)	12.5	Theor.	7.1	Amplitude	3.000 +/- 0.065	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5	
amp/seg (%)	11.0	Search (128X32)	2.925	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-2.000	2.000		
ph/frq (deg)	65.6	Inc. seg. avg.	3.017	Bits/sample:	2x2	SampCntNorm: enabled	mb window (us)	-0.008	0.008	
amp/frq (%)	47.1	Inc. frq. avg.	4.256	Sample rate (MSamp/s):	128	dr window (ns/s)	-0.012	0.012		
Z: az 185.0 el 49.7 pa 3.4		N: az 148.2 el 62.4 pa -22.8		Data rate (Mb/s):	2048	nlags: 512	t_cohere infinite	ion window (TEC)	0.00	0.00