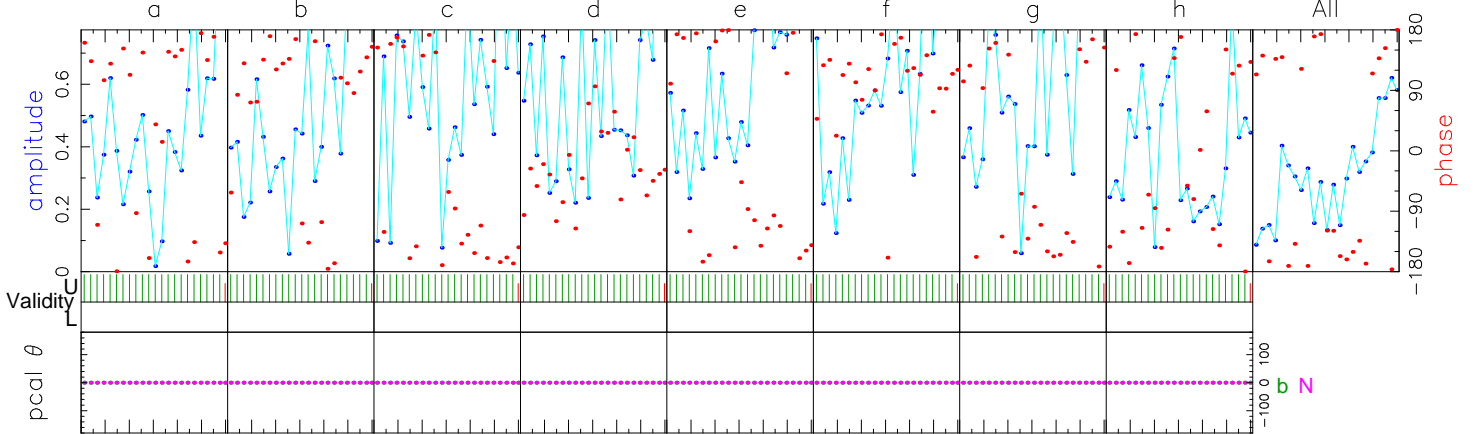


Fringe quality 9
SNR 13.4
Int time 359.832
Amp 0.258
Phase 176.5
PFD 3.9e-32
Delays (us)
SBD -0.002385
MBD 0.001510
Fringe rate (Hz) 0.004586
Ion TEC 0.000
Ref freq (MHz) 86140.0000
AP (sec) 0.512
Exp. c222d
Exper # 16383
Yr:day 2022:283
Start 024500.00
Stop 025059.94
FRT 024800.00
Corr/FF/build 2023:044:074210
2023:044:124155
2021:252:122852
RA & Dec (J2000) 01h12m05.824716s +22°44'38.786350"

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

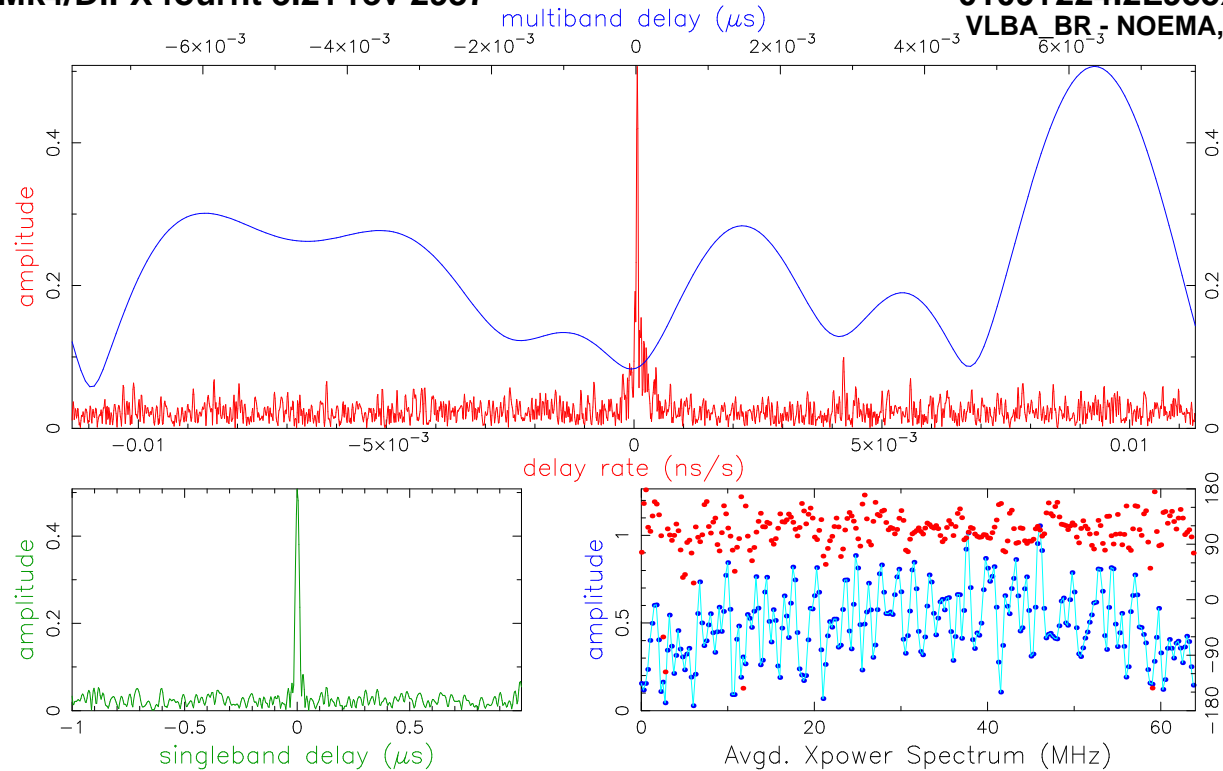


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
U/L	175.2	140.1	-161.2	-27.9	-151.1	116.0	-179.3	-172.3	Phase	176.5
b	0.3	0.3	0.5	0.4	0.5	0.6	0.5	0.2	Ampl.	0.4
N	255.8	256.9	256.6	257.0	256.7	256.3	256.2	252.4	Sbd box	256.4
b:N	703/0	703/0	703/0	703/0	703/0	703/0	703/0	703/0	APs used	
b: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	1000	1000	1000	1000	1000	1000	1000	1000	Mani PC	
N	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
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)	-6.07116061005E+03	Apriori delay (usec)	-6.07116212031E+03	Resid mbdelay (usec)	1.51026E-03	+/-	8.1E-05
Sband delay (usec)	-6.07116450556E+03	Apriori clock (usec)	1.1865116E+01	Resid sbdelay (usec)	-2.38525E-03	+/-	6.4E-04
Phase delay (usec)	-6.07116211462E+03	Apriori clockrate (us/s)	-3.3918999E-07	Resid phdelay (usec)	5.69006E-06	+/-	2.8E-07
Delay rate (us/s)	1.69328512655E+00	Apriori rate (us/s)	1.69328507332E+00	Resid rate (us/s)	5.32339E-08	+/-	1.3E-09
Total phase (deg)	160.8	Apriori accel (us/s/s)	3.41828042325E-05	Resid phase (deg)	176.5	+/-	8.6

ph/seg (deg)	38.2	RMS	20.5	Theor.	38.2	Amplitude	0.258 +/- 0.019	Pcal mode: MANUAL, MANUAL	PC period (AP's)	5, 5
amp/seg (%)	62.2	Search (2048X32)	0.251	Inc. seg. avg.	0.290	Inc. frq. avg.	0.404	Pcal rate: 0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000 1.000
ph/frq (deg)	71.8	Interp.	0.000	Inc. seg. avg.	0.290	Inc. frq. avg.	0.404	Bits/sample: 2x2	mb window (us)	-0.008 0.008
amp/frq (%)	73.2	Sample rate (MSamp/s):	128	Inc. frq. avg.	0.290	Inc. frq. avg.	0.404	SampCntNorm: enabled	dr window (ns/s)	-0.011 0.011
		Data rate (Mb/s):	2048	Inc. frq. avg.	0.290	Inc. frq. avg.	0.404	nlags: 256	ion window (TEC)	0.00 0.00

b: az 82.4 el 24.4 pa -45.9 N: az 256.5 el 45.9 pa 48.5 u,v (fr/asec) -10473.026 1537.883 simultaneous interpolator
Control file: cf_1234_gmva Input file: /Exps/c222d/v1/3mm/3001/No0045/bN..2L955X Output file: /Exps/c222d/v1/3mm/3001/No0045/bN.W.24.2L955X

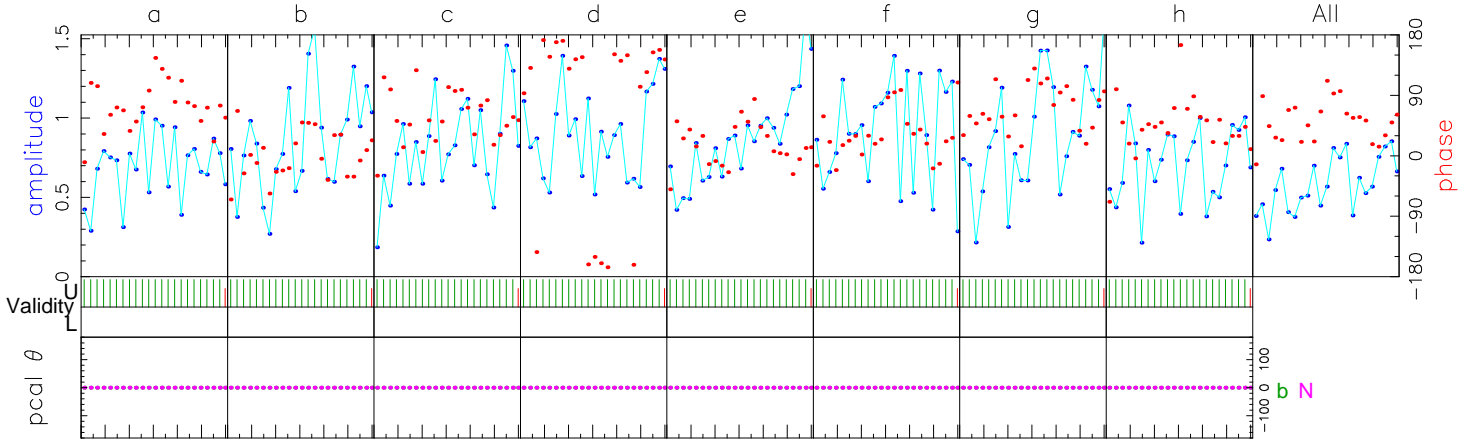


Fringe quality 6

SNR 26.4
 Int time 359.832
 Amp 0.508
 Phase 50.7
 PFD 0.0e+00
 Delays (us)
 SBD 0.000751
 MBD 0.006377
 Fringe rate (Hz)
 0.005556
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.512

Exp. c222d
 Exper # 16383
 Yr:day 2022:283
 Start 024500.00
 Stop 025059.94
 FRT 024800.00
 Corr/FF/build
 2023:044:074210
 2023:044:124159
 2021:252:122852
 RA & Dec (J2000)
 01h12m05.824716s
 +22°44'38.786350"

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



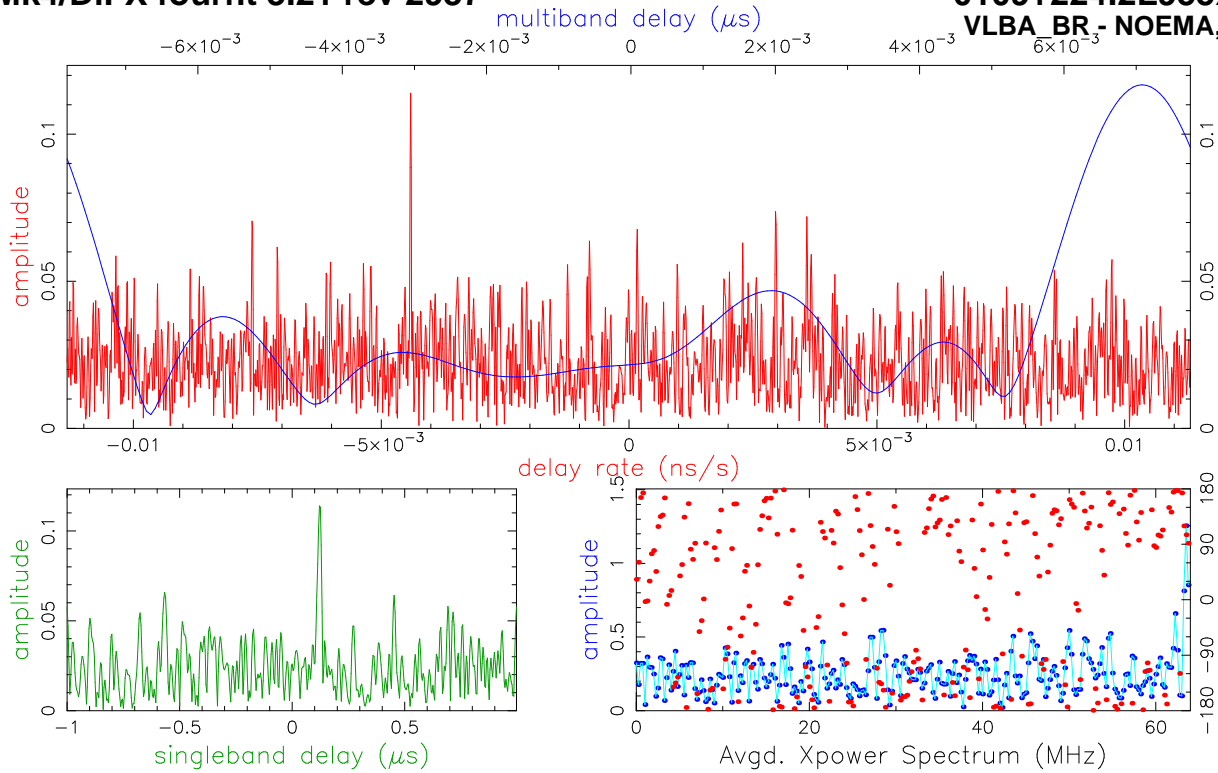
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	74.9	1.5	59.4	157.4	14.0	28.7	74.6	41.9	Phase	50.7
	0.6	0.7	0.7	0.8	0.8	0.7	0.7	0.6	Ampl.	0.7
	255.5	257.8	258.0	257.7	258.0	257.7	257.1	255.4	Sbd box	257.2
U/L	703/0	703/0	703/0	703/0	703/0	703/0	703/0	703/0	APs 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	Mani 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	

Group delay (usec)(sbd)	-6.07115574349E+03	Apriori delay (usec)	-6.07116212031E+03	Resid mbdelay (usec)	6.37682E-03	+/-	4.1E-05
Sband delay (usec)	-6.07116136931E+03	Apriori clock (usec)	1.1865116E+01	Resid sbdelay (usec)	7.51000E-04	+/-	3.3E-04
Phase delay (usec)	-6.07116211867E+03	Apriori clockrate (us/s)	-3.3918999E-07	Resid phdelay (usec)	1.63579E-06	+/-	1.4E-07
Delay rate (us/s)	1.69328513782E+00	Apriori rate (us/s)	1.69328507332E+00	Resid rate (us/s)	6.44972E-08	+/-	6.7E-10
Total phase (deg)		Apriori accel (us/s/s)	3.41828042325E-05	Resid phase (deg)	50.7	+/-	4.3

ph/seg (deg)	RMS 30.0	Theor. 10.4	Amplitude Search (2048X32)	0.503	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5	sb window (us)	-1.000	1.000	
amp/seg (%)	36.5	18.2	Interp.	0.000	Pcal rate: 0.000E+00, 0.000E+00 (us/s)	SampCntNorm: enabled	mb window (us)	-0.008	0.008	
ph/frq (deg)	53.1	6.1	Inc. seg. avg.	0.573	Bits/sample: 2x2	Sample rate(MISamp/s): 128	dr window (ns/s)	-0.011	0.011	
amp/frq (%)	41.4	10.7	Inc. frq. avg.	0.701	Data rate(Mb/s): 2048	nlags: 256	t_cohere infinite	ion window (TEC)	0.00	0.00

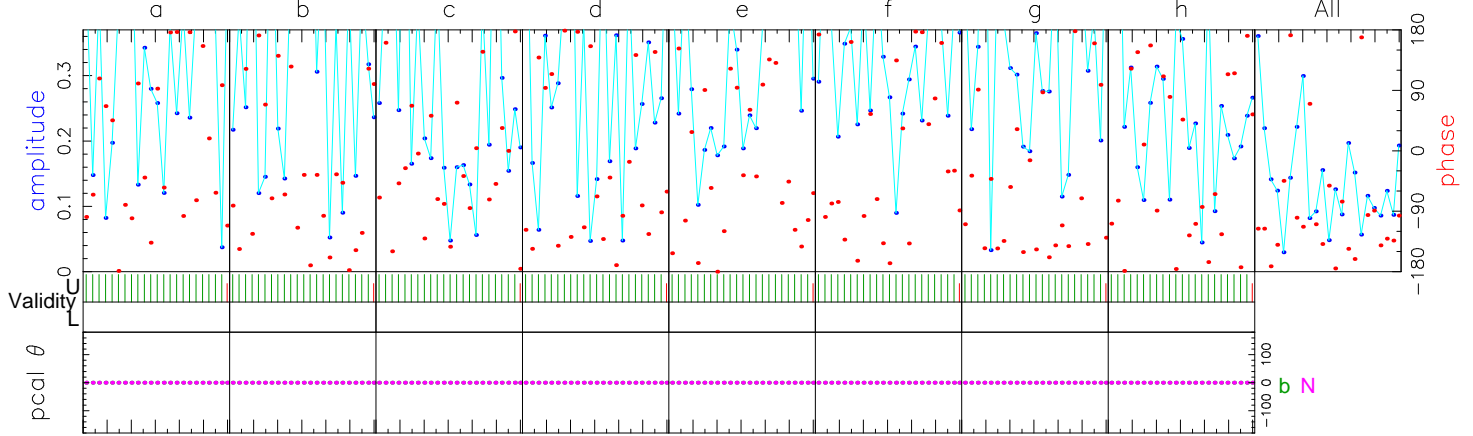
b: az 82.4 el 24.4 pa -45.9 N: az 256.5 el 45.9 pa 48.5 u,v (fr/asec) -10473.026 1537.883 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c222d/v1/3mm/3001/No0045/bN..2L955X Output file: /Exps/c222d/v1/3mm/3001/No0045/bN.W.48.2L955X



Fringe quality 0
 SNR 6.0
 Int time 359.832
 Amp 0.123
 Phase -126.9
 PFD 3.8e-01
 Delays (us)
 SBD 0.122933
 MBD -0.008301
 Fringe rate (Hz)
 -0.380590
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.512
 Exp. c222d
 Exper # 16383
 Yr:day 2022:283
 Start 024500.00
 Stop 025059.94
 FRT 024800.00
 Corr/FF/build
 2023:044:074210
 2023:044:124201
 2021:252:122852
 RA & Dec (J2000)
 01h12m05.824716s
 +22°44'38.786350"

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

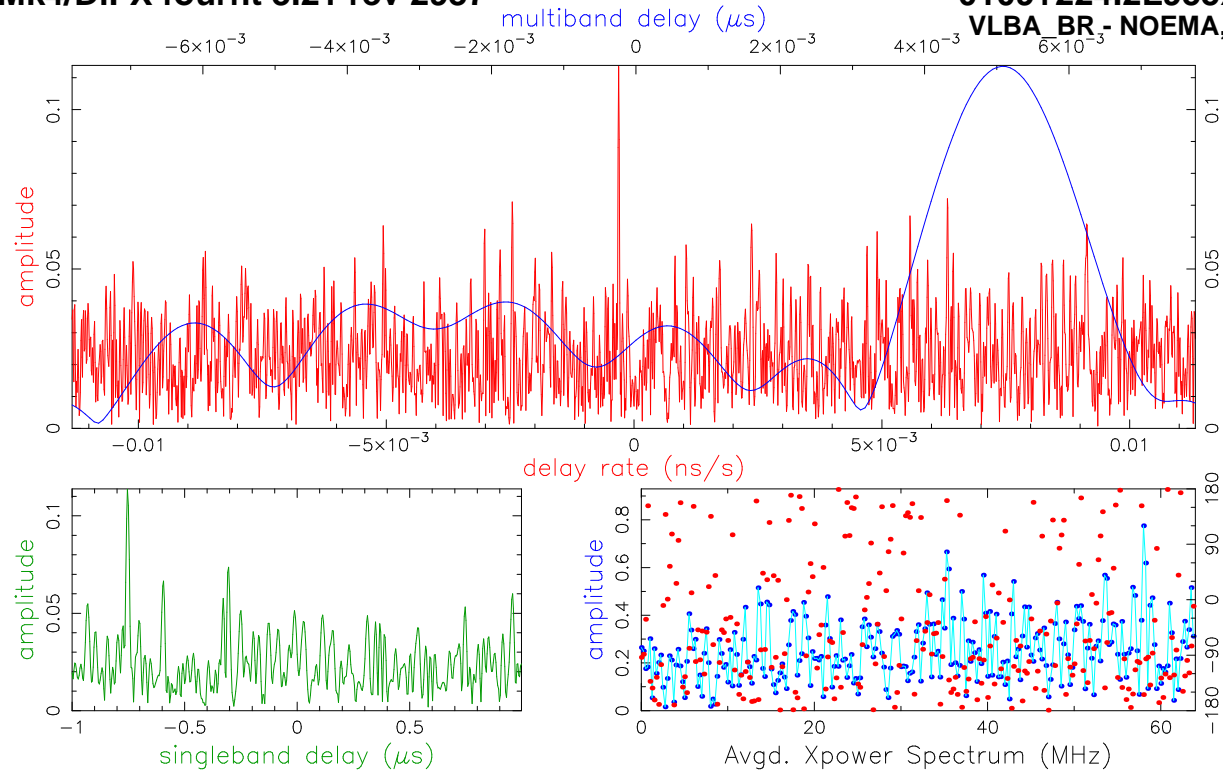


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	-116.1	-126.4	-61.8	-130.2	-136.0	-124.8	-139.5	-159.8	Phase	-126.9
	0.1	0.2	0.1	0.2	0.1	0.2	0.2	0.1	Ampl.	0.1
	308.8	175.8	239.3	287.8	228.3	188.7	286.7	99.1	Sbd box	288.5
U/L	703/0	703/0	703/0	703/0	703/0	703/0	703/0	703/0	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	Mani 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	

Group delay (usec)(sbd)	-6.07104542109E+03	Apriori delay (usec)	-6.07116212031E+03	Resid mbdelay (usec)	-8.30078E-03	+/-	1.8E-04
Sband delay (usec)	-6.07103918706E+03	Apriori clock (usec)	1.1865116E+01	Resid sbdelay (usec)	1.22933E-01	+/-	1.4E-03
Phase delay (usec)	-6.07116212440E+03	Apriori clockrate (us/s)	-3.3918999E-07	Resid phdelay (usec)	-4.09225E-06	+/-	6.2E-07
Delay rate (us/s)	1.69328065505E+00	Apriori rate (us/s)	1.69328507332E+00	Resid rate (us/s)	-4.41827E-06	+/-	3.0E-09
Total phase (deg)	-142.5	Apriori accel (us/s/s)	3.41828042325E-05	Resid phase (deg)	-126.9	+/-	19.1

ph/seg (deg)	51.7	Theor.	45.7	Amplitude	0.123 +/- 0.021	Pcal mode: MANUAL, MANUAL	PC period (AP's)	5, 5	
amp/seg (%)	70.4	Search (2048X32)	0.116	Search	0.116	Pcal rate: 0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000 1.000	
ph/frq (deg)	30.8	Inc. seg. avg.	0.113	Inc. seg. avg.	0.113	Bits/sample: 2x2	SampCntNorm: enabled	mb window (us)	-0.008 0.008
amp/frq (%)	32.4	Inc. frq. avg.	0.118	Inc. frq. avg.	0.118	Sample rate(MISamp/s): 128	dr window (ns/s)	-0.011 0.011	
						Data rate(Mb/s): 2048	ion window (TEC)	0.00 0.00	

b: az 82.4 el 24.4 pa -45.9 N: az 256.5 el 45.9 pa 48.5 u,v (fr/asec) -10473.026 1537.883 simultaneous interpolator
 Control file: cf_1234_gmva Input file: /Exps/c222d/v1/3mm/3001/No0045/bN..2L955X Output file: /Exps/c222d/v1/3mm/3001/No0045/bN.W.65.2L955X

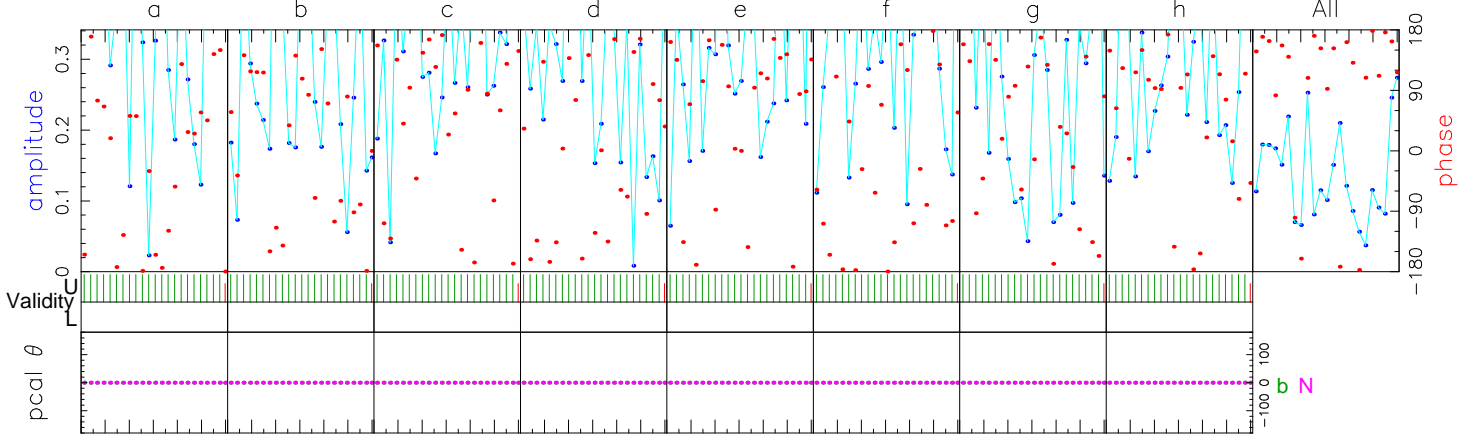


Fringe quality 0

SNR 5.9
Int time 359.832
Amp 0.114
Phase 148.6
PFD 5.9e-01
Delays (us)
SBD -0.753330
MBD 0.005099
Fringe rate (Hz)
-0.026407
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512

Exp. c222d
Yr:day 16383
2023:044:074210
2023:044:124204
2021:252:122852
RA & Dec (J2000)
01h12m05.824716s
+22°44'38.786350"

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



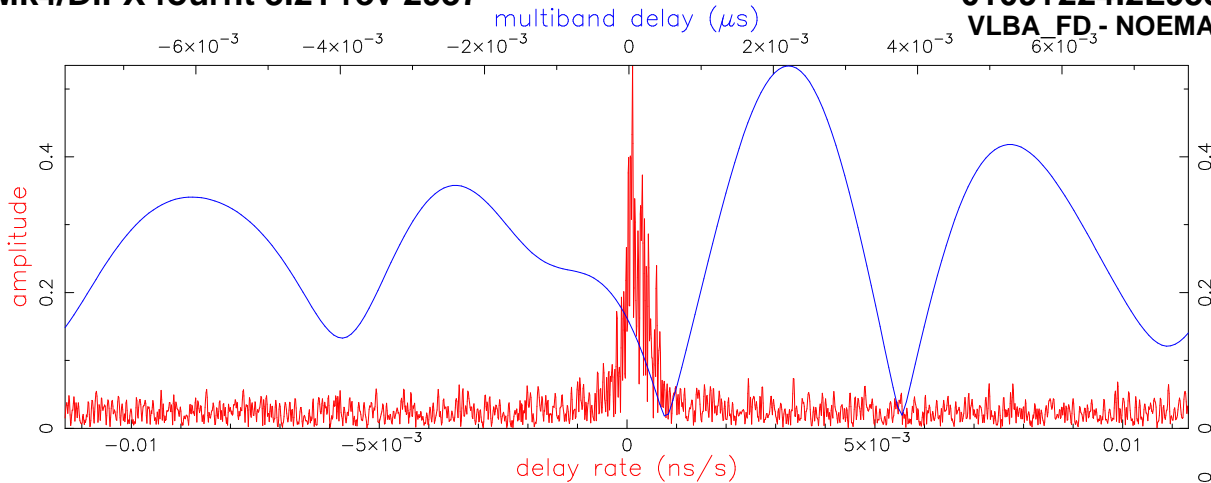
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
U/L	703/0	703/0	703/0	703/0	703/0	703/0	703/0	703/0		
b	0	0	0	0	0	0	0	0	APs used	
N	0	0	0	0	0	0	0	0	PC freqs	
b:N	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
b	1000	1000	1000	1000	1000	1000	1000	1000	Mani PC	
N	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
b	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids	
N	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Tracks	

Group delay (usec)(sbd)	-6.07192264600E+03	Apriori delay (usec)	-6.07116212031E+03	Resid mbdelay (usec)	5.09931E-03	+/-	1.8E-04
Sband delay (usec)	-6.07191545056E+03	Apriori clock (usec)	1.1865116E+01	Resid sbdelay (usec)	-7.53330E-01	+/-	1.5E-03
Phase delay (usec)	-6.07116211552E+03	Apriori clockrate (us/s)	-3.3918999E-07	Resid phdelay (usec)	4.79155E-06	+/-	6.3E-07
Delay rate (us/s)	1.69328476676E+00	Apriori rate (us/s)	1.69328507332E+00	Resid rate (us/s)	-3.06555E-07	+/-	3.0E-09
Total phase (deg)	133.0	Apriori accel (us/s/s)	3.41828042325E-05	Resid phase (deg)	148.6	+/-	19.4

ph/seg (deg)	38.9	Theor.	46.5	Amplitude	0.114 +/- 0.019	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5	sb window (us)	-1.000	1.000
amp/seg (%)	60.2		81.2	Search (2048X32)	0.108	Pcal rate: 0.000E+00, 0.000E+00 (us/s)	SampCntNorm: enabled	mb window (us)	-0.008	0.008
ph/frq (deg)	22.7		27.4	Inc. seg. avg.	0.102	Sample rate(MISamp/s): 128		dr window (ns/s)	-0.011	0.011
amp/frq (%)	38.7		47.9	Inc. frq. avg.	0.107	Data rate(Mb/s): 2048	nlags: 256	ion window (TEC)	0.00	0.00

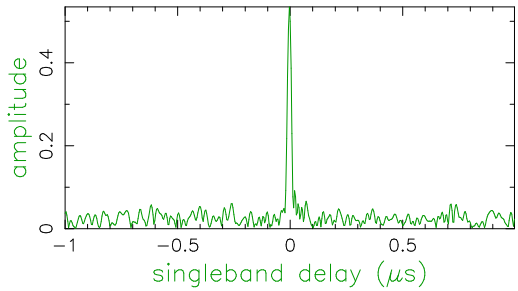
b: az 82.4 el 24.4 pa -45.9 N: az 256.5 el 45.9 pa 48.5 u,v (fr/asec) -10473.026 1537.883 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c222d/v1/3mm/3001/No0045/bN..2L955X Output file: /Exps/c222d/v1/3mm/3001/No0045/bN.W.84.2L955X

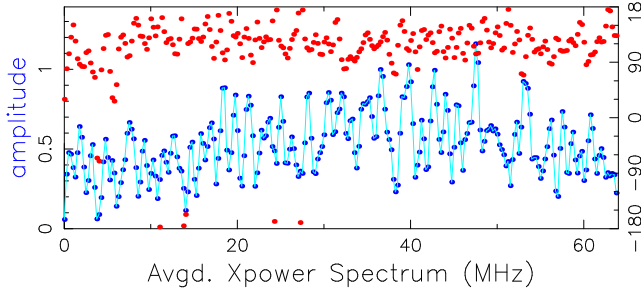


Fringe quality 5

SNR 27.7
Int time 359.921
Amp 0.535
Phase 56.4
PFD 0.0e+00
Delays (us)
SBD -0.003447
MBD 0.002218
Fringe rate (Hz)
0.009721
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512

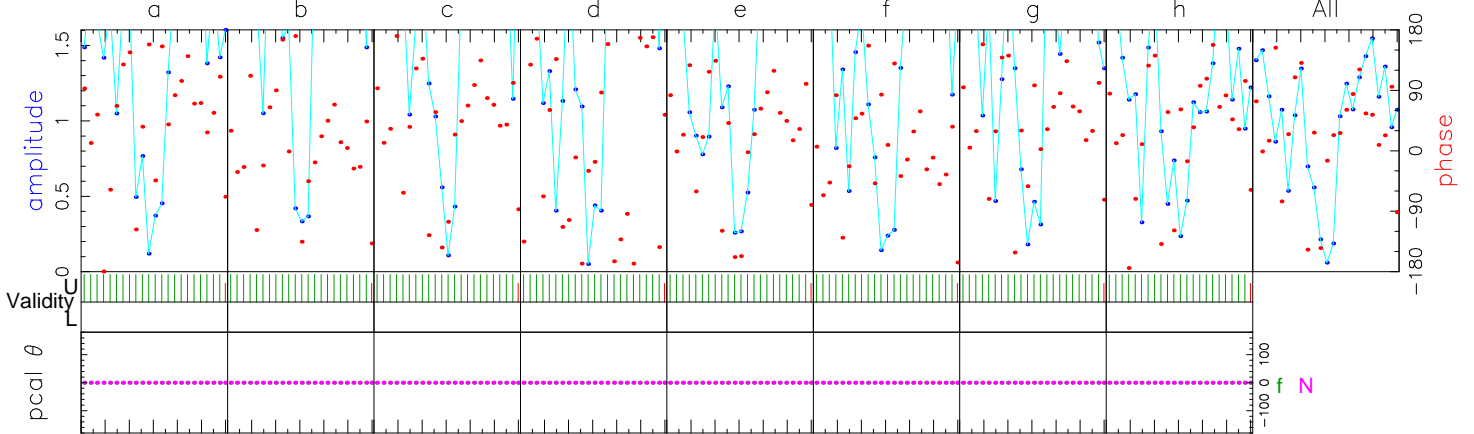


delay rate (ns/s)



Exp. c222d
Exper # 16383
Yr:day 2022:283
Start 024500.00
Stop 025059.94
FRT 024800.00
Corr/FF/build
2023:044:074210
2023:044:124222
2021:252:122852
RA & Dec (J2000)
01h12m05.824716s
+22°44'38.786350"

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



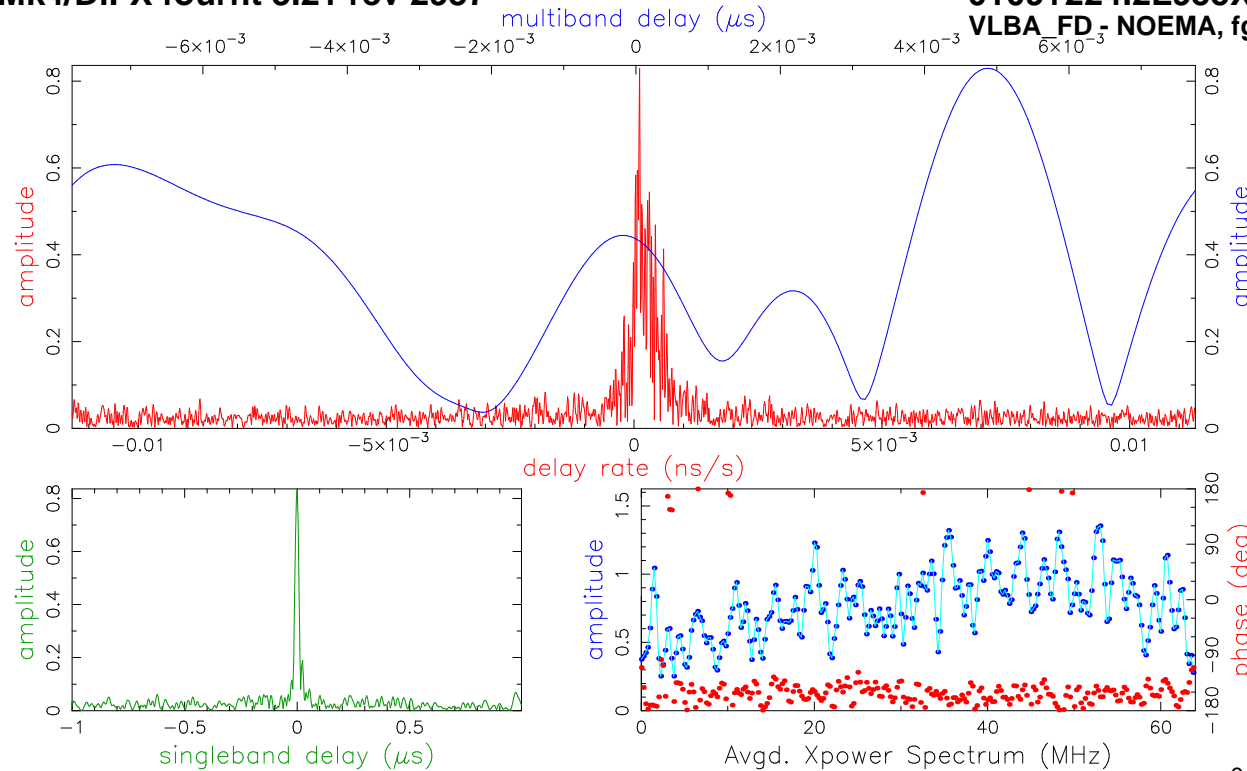
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	80.3	13.9	73.7	-167.8	57.1	-11.6	64.3	77.0	Phase	56.4
	0.8	1.1	0.9	0.8	0.8	0.8	0.8	0.5	Ampl.	0.8
	254.5	256.3	257.1	257.1	256.9	256.8	256.1	254.3	Sbd box	256.1
U/L	703/0	703/0	703/0	703/0	703/0	703/0	703/0	703/0	APs used	
f	0	0	0	0	0	0	0	0	PC freqs	
N	0	0	0	0	0	0	0	0	PC freqs	
f:N	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
f:N	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
f	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
N	1000	1000	1000	1000	1000	1000	1000	1000		
f	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids	
N	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Tracks	

Group delay (usec)(sbd)	-2.82820665708E+03	Apriori delay (usec)	-2.82820887545E+03	Resid mbdelay (usec)	2.21837E-03	+/-	3.9E-05
Sband delay (usec)	-2.82821232245E+03	Apriori clock (usec)	3.3605175E+01	Resid sbdelay (usec)	-3.44700E-03	+/-	3.1E-04
Phase delay (usec)	-2.82820887363E+03	Apriori clockrate (us/s)	6.5116159E-08	Resid phdelay (usec)	1.81796E-06	+/-	1.3E-07
Delay rate (us/s)	1.84369845141E+00	Apriori rate (us/s)	1.84369833856E+00	Resid rate (us/s)	1.12850E-07	+/-	6.4E-10
Total phase (deg)	-134.8	Apriori accel (us/s/s)	6.75147831212E-06	Resid phase (deg)	56.4	+/-	4.1

ph/seg (deg)	RMS 73.9	Theor. 9.9	Amplitude Search (2048X32)	0.535 +/- 0.019	0.511	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5	sb window (us)	-1.000	1.000
amp/seg (%)	115.8	17.3	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)	66.1	5.8	Inc. seg. avg.	0.975	0.975	Bits/sample: 2x2	Sample rate(MISamp/s): 128	dr window (ns/s)	-0.011	0.011
amp/frq (%)	60.1	10.2	Inc. frq. avg.	0.818	0.818	Data rate(Mb/s): 2048	nlags: 256	ion window (TEC)	0.00	0.00

f: az 81.8 el 34.3 pa -67.4 N: az 256.5 el 45.9 pa 48.5 u,v (fr/asec) -11446.448 -1283.632 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c222d/v1/3mm/3001/No0045/fN...2L955X Output file: /Exps/c222d/v1/3mm/3001/No0045/fN.W.154.2L955X

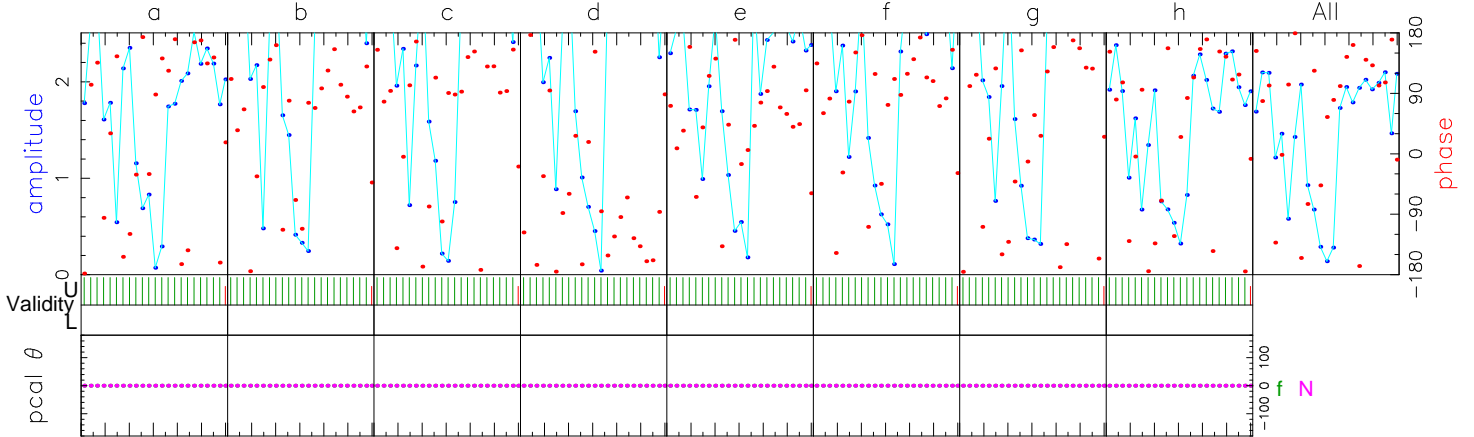


Fringe quality 3

SNR 43.4
Int time 359.921
Amp 0.836
Phase 135.2
PFD 0.0e+00
Delays (us)
SBD -0.001200
MBD 0.004839
Fringe rate (Hz)
0.009678
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512

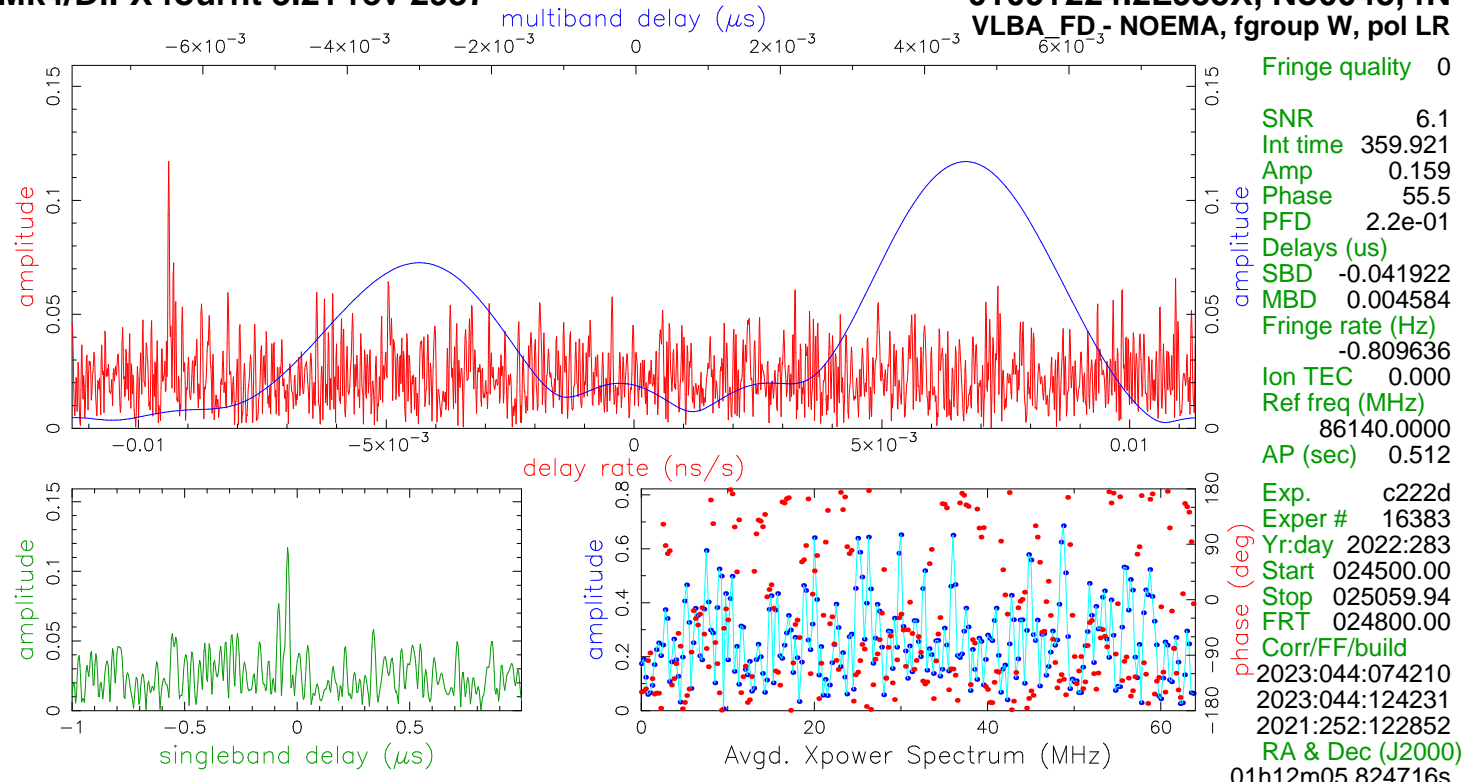
Exp. c222d
Exper # 16383
Yr:day 2022:283
Start 024500.00
Stop 025059.94
FRT 024800.00
Corr/FF/build
2023:044:074210
2023:044:124227
2021:252:122852
RA & Dec (J2000)
01h12m05.824716s
+22°44'38.786350"

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

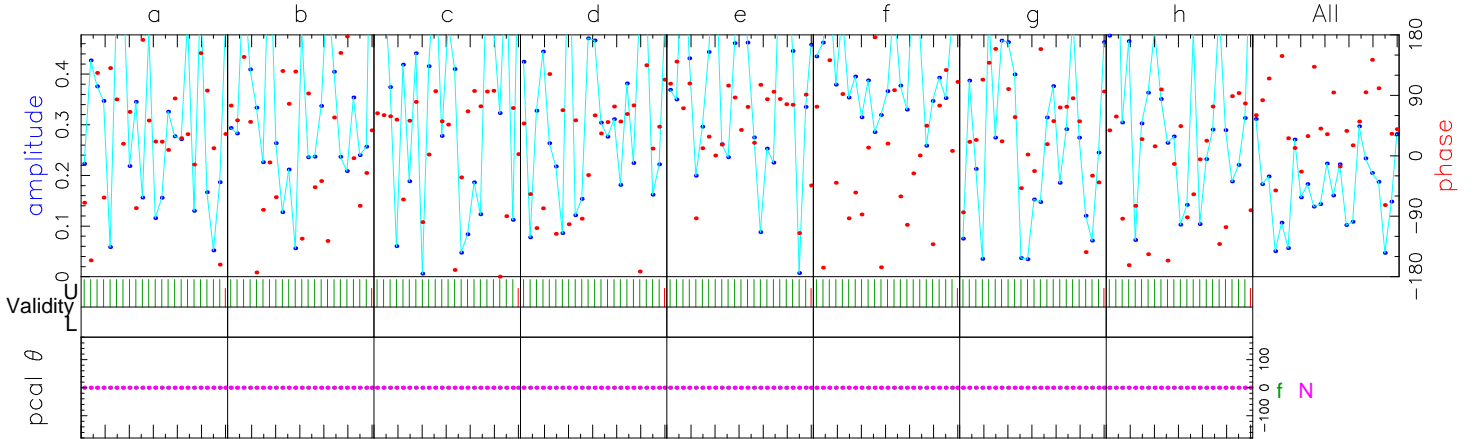


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
168.2	98.1	129.9	-127.3	67.7	114.2	161.1	144.3	144.3	Phase	135.2
0.9	1.4	1.4	1.3	1.1	1.2	1.2	0.9	0.9	Ampl.	1.2
254.8	257.1	257.5	257.5	257.6	257.4	256.6	254.9	254.9	Sbd box	256.7
U/L 703/0	703/0	703/0	703/0	703/0	703/0	703/0	703/0	703/0	APs used	
f 0	0	0	0	0	0	0	0	0	PC freqs	
N 0	0	0	0	0	0	0	0	0	PC freqs	
f:N 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
f:N 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
f 1000	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
N 1000	1000	1000	1000	1000	1000	1000	1000	1000		
f W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	W07UR	Chan ids	
N W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	W07UR	Tracks	
									Tracks	
Group delay (usec)(sbd)	-2.82820403648E+03		Apriori delay (usec)	-2.82820887545E+03		Resid mbdelay (usec)	4.83896E-03	+/-	2.5E-05	
Sband delay (usec)	-2.82821007495E+03		Apriori clock (usec)	3.3605175E+01		Resid sbdelay (usec)	-1.19950E-03	+/-	2.0E-04	
Phase delay (usec)	-2.82820887109E+03		Apriori clockrate (us/s)	6.5116159E-08		Resid phdelay (usec)	4.36123E-06	+/-	8.5E-08	
Delay rate (us/s)	1.84369845092E+00		Apriori rate (us/s)	1.84369833856E+00		Resid rate (us/s)	1.12355E-07	+/-	4.1E-10	
Total phase (deg)		-55.9	Apriori accel (us/s/s)	6.75147831212E-06		Resid phase (deg)	135.2	+/-	2.6	

ph/seg (deg) 74.6 6.3 Search (2048X32) 0.823 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 107.7 11.1 Interp. 0.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 54.4 3.7 Inc. seg. avg. 1.454 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 amp/frq (%) 48.4 6.5 Inc. frq. avg. 1.185 Sample rate(MISamp/s): 128 Data rate(Mb/s): 2048 nlags: 256 t_cohere infinite dr window (ns/s) -0.011 0.011
 f: az 81.8 el 34.3 pa -67.4 N: az 256.5 el 45.9 pa 48.5 u,v (fr/asec) -11446.448 -1283.632 simultaneous interpolator
 Control file: cf_1234_gmva Input file: /Exps/c222d/v1/3mm/3001/No0045/fN..2L955X Output file: /Exps/c222d/v1/3mm/3001/No0045/fN.W.175.2L955X



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



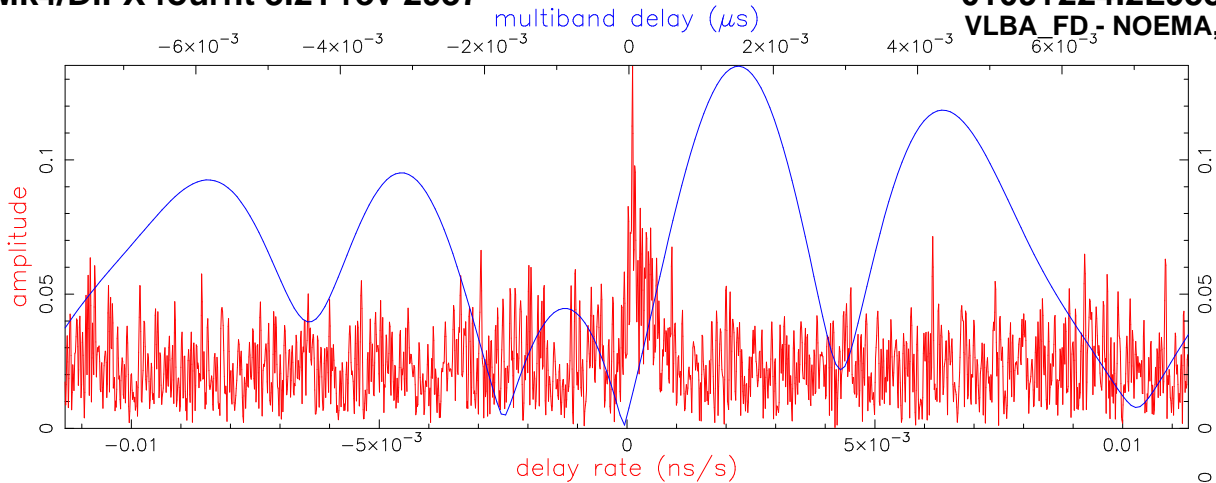
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
U/L	703/0	703/0	703/0	703/0	703/0	703/0	703/0	703/0		
f	0	0	0	0	0	0	0	0	APs used	
N	0	0	0	0	0	0	0	0	PC freqs	
f:N	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
f:N	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
f	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
N	1000	1000	1000	1000	1000	1000	1000	1000		
f	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids	
N	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Tracks	

Group delay (usec)(sbd)	-2.82825116682E+03	Apriori delay (usec)	-2.82820887545E+03	Resid mbdelay (usec)	4.58363E-03	+/-	1.8E-04
Sband delay (usec)	-2.82825079745E+03	Apriori clock (usec)	3.3605175E+01	Resid sbdelay (usec)	-4.19220E-02	+/-	1.4E-03
Phase delay (usec)	-2.82820887366E+03	Apriori clockrate (us/s)	6.5116159E-08	Resid phdelay (usec)	1.78952E-06	+/-	6.0E-07
Delay rate (us/s)	1.84368893949E+00	Apriori rate (us/s)	1.84369833856E+00	Resid rate (us/s)	-9.39907E-06	+/-	2.9E-09
Total phase (deg)		Apriori accel (us/s/s)	6.75147831212E-06	Resid phase (deg)	55.5	+/-	18.7

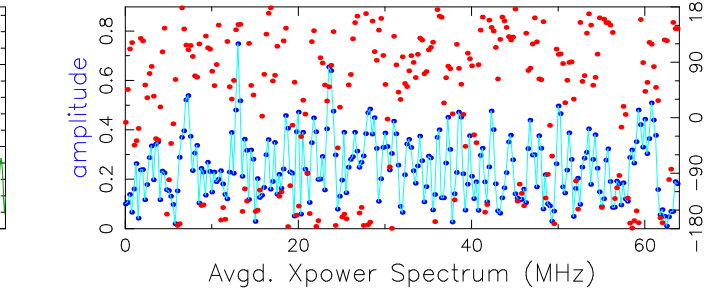
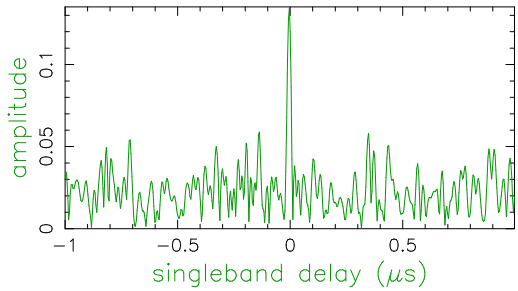
ph/seg (deg)	58.6	Theor.	44.9	Amplitude	0.159 +/- 0.026	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5		
amp/seg (%)	78.3		78.4	Search (2048X32)	0.116	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000 1.000		
ph/frq (deg)	27.3		26.5	Inc. seg. avg.	0.179	Bits/sample:	2x2	SampCntNorm: enabled	mb window (us)	-0.008 0.008	
amp/frq (%)	66.5		46.3	Inc. frq. avg.	0.149	Sample rate(MISamp/s):	128	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

f: az 81.8 el 34.3 pa -67.4 N: az 256.5 el 45.9 pa 48.5 u,v (fr/asec) -11446.448 -1283.632 simultaneous interpolator

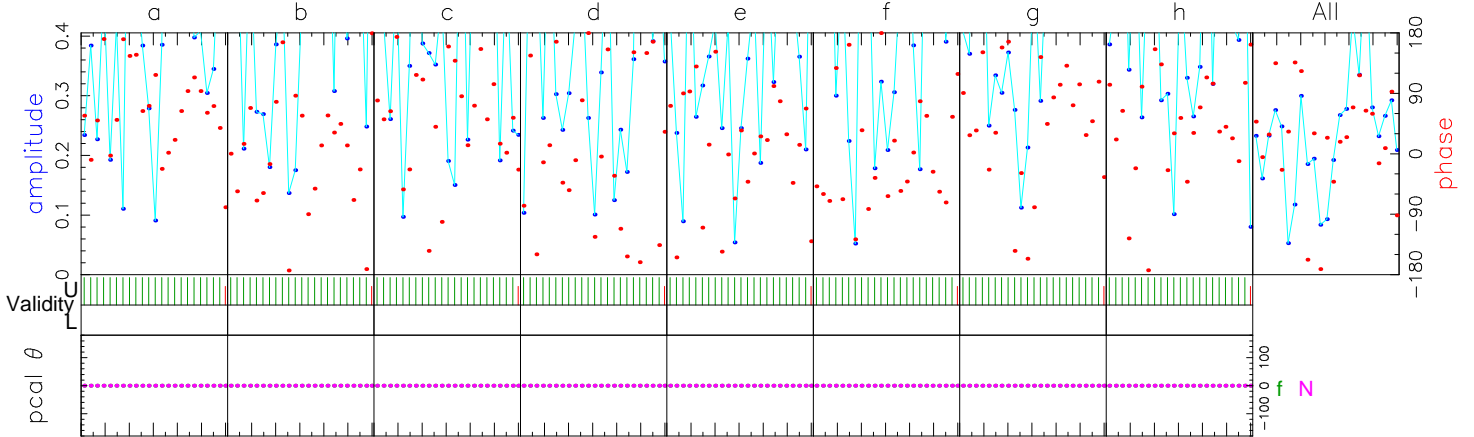
Control file: cf_1234_gmva Input file: /Exps/c222d/v1/3mm/3001/No0045/fN..2L955X Output file: /Exps/c222d/v1/3mm/3001/No0045/fN.W.189.2L955X



Fringe quality 0
SNR 7.0
Int time 359.921
Amp 0.135
Phase 52.5
PFD 7.0e-04
Delays (us)
SBD -0.004517
MBD 0.001505
Fringe rate (Hz)
0.009898
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512
Exp. c222d
Exper # 16383
Yr:day 2022:283
Start 024500.00
Stop 025059.94
FRT 024800.00
Corr/FF/build
2023:044:074210
2023:044:124236
2021:252:122852
RA & Dec (J2000)
01h12m05.824716s
+22°44'38.786350"



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

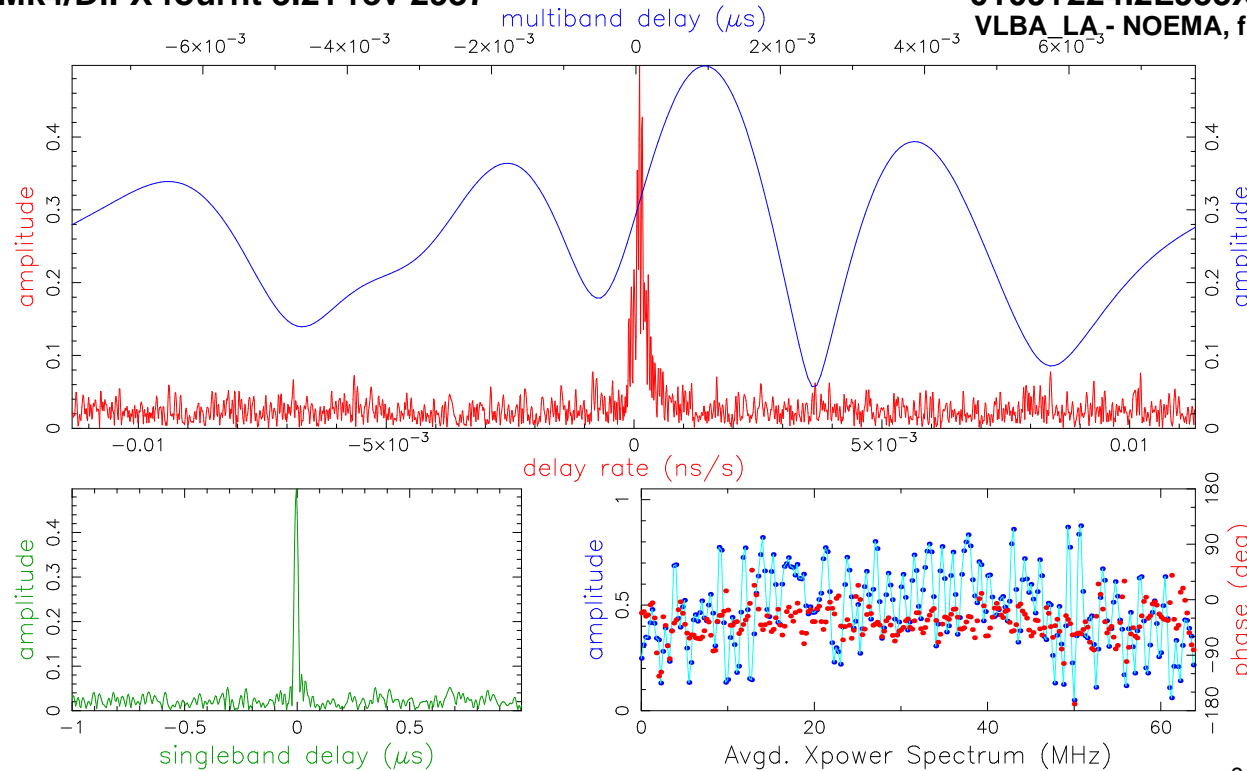


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	64.6	3.8	84.6	-178.2	37.3	-32.5	77.5	64.6	Phase	52.5
	0.2	0.2	0.2	0.1	0.2	0.2	0.3	0.2	Ampl.	0.2
	254.3	394.9	256.4	74.5	99.2	257.3	255.4	254.8	Sbd box	255.8
U/L	703/0	703/0	703/0	703/0	703/0	703/0	703/0	703/0	APs used	
f	0	0	0	0	0	0	0	0	PC freqs	
N	0	0	0	0	0	0	0	0	PC freqs	
f:N	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
f:N	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
f	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
N	1000	1000	1000	1000	1000	1000	1000	1000		
f	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids	
N	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Tracks	

Group delay (usec)(sbd)	-2.82820737070E+03	Apriori delay (usec)	-2.82820887545E+03	Resid mbdelay (usec)	1.50474E-03	+/-	1.5E-04
Sband delay (usec)	-2.82821339295E+03	Apriori clock (usec)	3.3605175E+01	Resid sbdelay (usec)	-4.51750E-03	+/-	1.2E-03
Phase delay (usec)	-2.82820887375E+03	Apriori clockrate (us/s)	6.5116159E-08	Resid phdelay (usec)	1.69368E-06	+/-	5.3E-07
Delay rate (us/s)	1.84369845347E+00	Apriori rate (us/s)	1.84369833856E+00	Resid rate (us/s)	1.14910E-07	+/-	2.5E-09
Total phase (deg)	-138.6	Apriori accel (us/s/s)	6.75147831212E-06	Resid phase (deg)	52.5	+/-	16.3

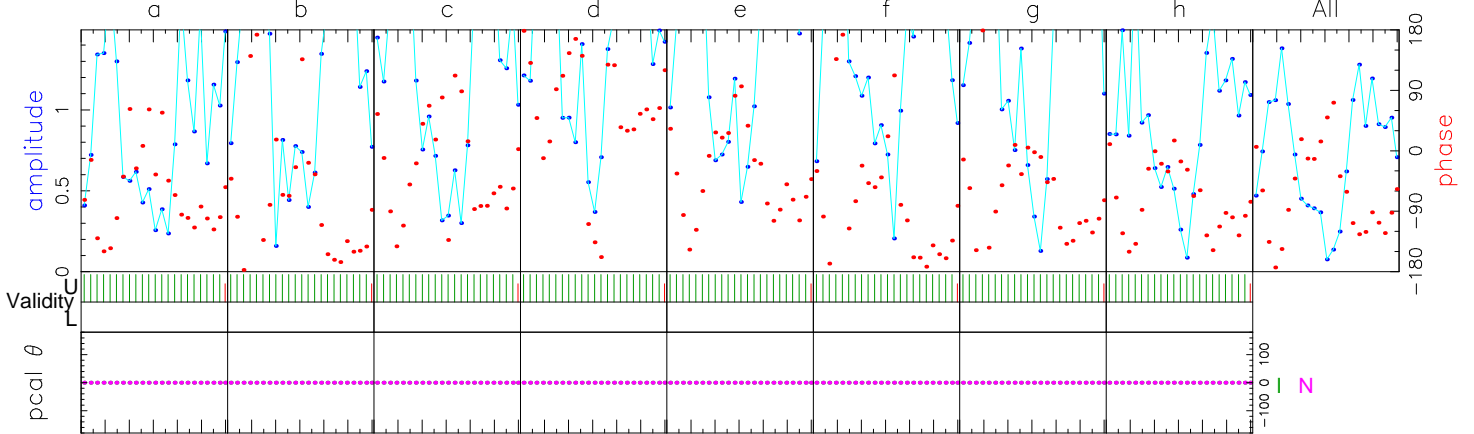
ph/seg (deg)	69.1	RMS	69.1	Theor.	39.2	Amplitude	0.135 +/- 0.019	Pcal mode: MANUAL, MANUAL	PC period (AP's)	5, 5		
amp/seg (%)	111.8		68.4		68.4	Search (2048X32)	0.131	Pcal rate: 0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000 1.000		
ph/frq (deg)	68.9		23.1		23.1	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: enabled	mb window (us)	-0.008 0.008	
amp/frq (%)	61.4		40.3		40.3	Inc. seg. avg.	0.195	Sample rate(MISamp/s): 128		dr window (ns/s)	-0.011 0.011	
						Inc. frq. avg.	0.186	Data rate(Mb/s): 2048	nlags: 256	t_cohere infinite	ion window (TEC)	0.00 0.00

f: az 81.8 el 34.3 pa -67.4 N: az 256.5 el 45.9 pa 48.5 u,v (fr/asec) -11446.448 -1283.632 simultaneous interpolator
Control file: cf_1234_gmva Input file: /Exps/c222d/v1/3mm/3001/No0045/fN..2L955X Output file: /Exps/c222d/v1/3mm/3001/No0045/fN.W.192.2L955X



Fringe quality 5
SNR 25.8
Int time 359.639
Amp 0.498
Phase -97.2
PFD 0.0e+00
Delays (us)
SBD -0.004412
MBD 0.000941
Fringe rate (Hz) 0.009200
Ion TEC 0.000
Ref freq (MHz) 86140.0000
AP (sec) 0.512
Exp. c222d
Exper # 16383
Yr:day 2022:283
Start 024500.00
Stop 025059.94
FRT 024800.00
Corr/FF/build
2023:044:074210
2023:044:124153
2021:252:122852
RA & Dec (J2000)
01h12m05.824716s
+22°44'38.786350"

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

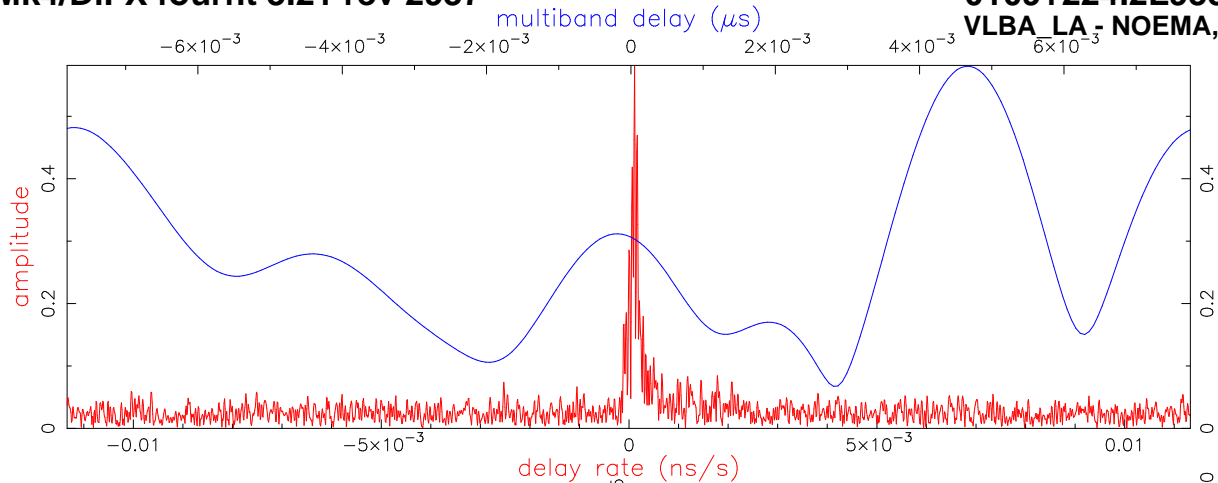


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	-93.4	-141.9	-59.7	73.8	-62.4	-135.9	-98.2	-94.8	Phase	-97.2
	0.6	0.9	0.7	0.8	0.9	0.9	1.0	0.7	Ampl.	0.8
	254.4	256.1	256.8	256.7	256.5	256.5	256.1	254.2	Sbd box	255.9
U/L	703/0	703/0	703/0	703/0	703/0	703/0	703/0	703/0	APs used	
I	0	0	0	0	0	0	0	0	PC freqs	
N	0	0	0	0	0	0	0	0	PC freqs	
I:N	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
I:N	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
I	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
N	1000	1000	1000	1000	1000	1000	1000	1000		
I	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids	
N	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Tracks	

Group delay (usec)(sbd)	-3.25732751327E+03	Apriori delay (usec)	-3.25732845383E+03	Resid mbdelay (usec)	9.40556E-04	+/-	4.2E-05
Sband delay (usec)	-3.25733286583E+03	Apriori clock (usec)	1.0662281E+01	Resid sbdelay (usec)	-4.41200E-03	+/-	3.3E-04
Phase delay (usec)	-3.25732845696E+03	Apriori clockrate (us/s)	-1.3148000E-07	Resid phdelay (usec)	-3.13461E-06	+/-	1.4E-07
Delay rate (us/s)	1.80358328272E+00	Apriori rate (us/s)	1.80358317592E+00	Resid rate (us/s)	1.06797E-07	+/-	6.9E-10
Total phase (deg)	-101.8	Apriori accel (us/s/s)	1.22000185525E-05	Resid phase (deg)	-97.2	+/-	4.4

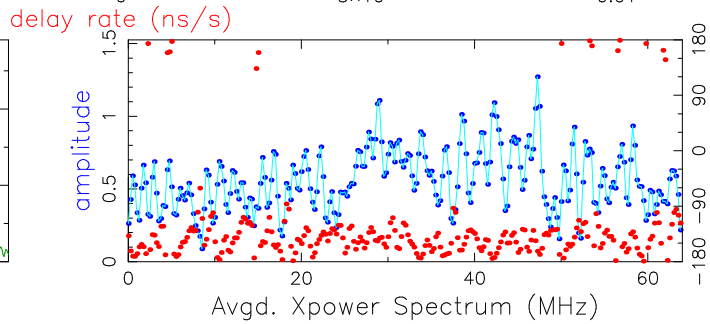
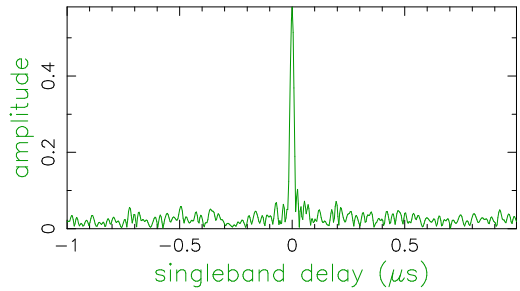
ph/seg (deg)	73.7	Theor.	10.6	Amplitude	0.498 +/- 0.019	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5	
amp/seg (%)	88.0	Search (2048X32)	0.481	Interp.	0.000	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000 1.000	
ph/frq (deg)	76.8	Inc. seg. avg.	0.730	Inc. frq. avg.	0.791	Bits/sample:	2x2	SampCntNorm: enabled	mb window (us)	-0.008 0.008
amp/frq (%)	64.2	Inc. frq. avg.	0.791			Sample rate (MSamp/s):	128	dr window (ns/s)	-0.011 0.011	
						Data rate (Mb/s):	2048	ion window (TEC)	0.00 0.00	
						nlags:	256	t_cohere	infinite	

I: az 84.1 el 33.0 pa -61.1 N: az 256.5 el 45.9 pa 48.5 u,v (fr/asec) -11189.645 -492.248 simultaneous interpolator
Control file: cf_1234_gmva Input file: /Exps/c222d/v1/3mm/3001/No0045/IN...2L955X Output file: /Exps/c222d/v1/3mm/3001/No0045/IN.W.20.2L955X



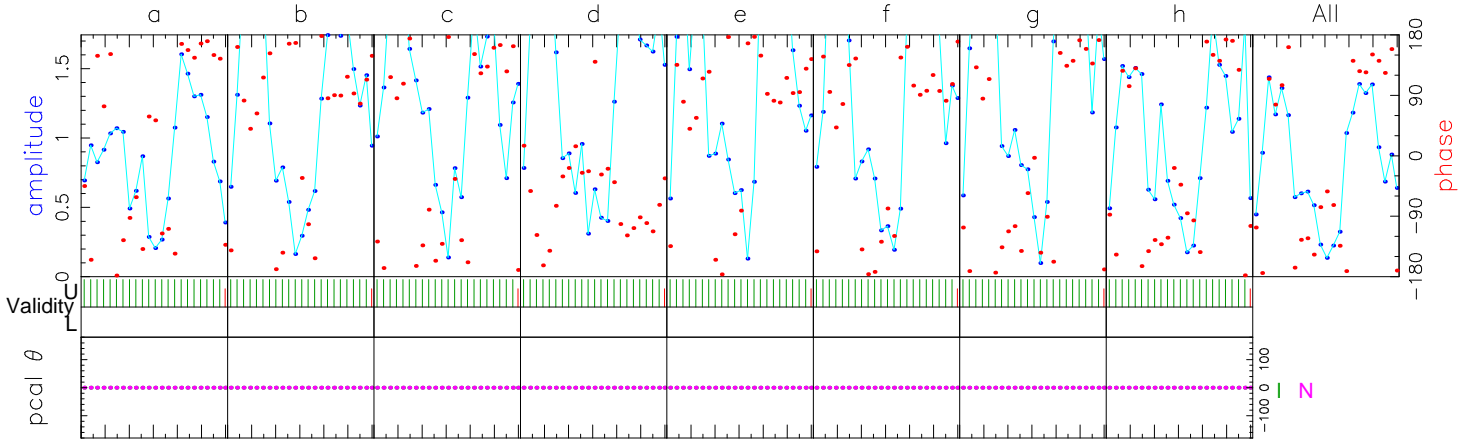
Fringe quality 3

SNR 30.2
Int time 359.639
Amp 0.581
Phase 151.4
PFD 0.0e+00
Delays (us)
SBD -0.000622
MBD 0.004647
Fringe rate (Hz)
0.009103
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512



Exp. c222d
Exper # 16383
Yr:day 2022:283
Start 024500.00
Stop 025059.94
FRT 024800.00
Corr/FF/build
2023:044:074210
2023:044:124158
2021:252:122852
RA & Dec (J2000)
01h12m05.824716s
+22°44'38.786350"

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

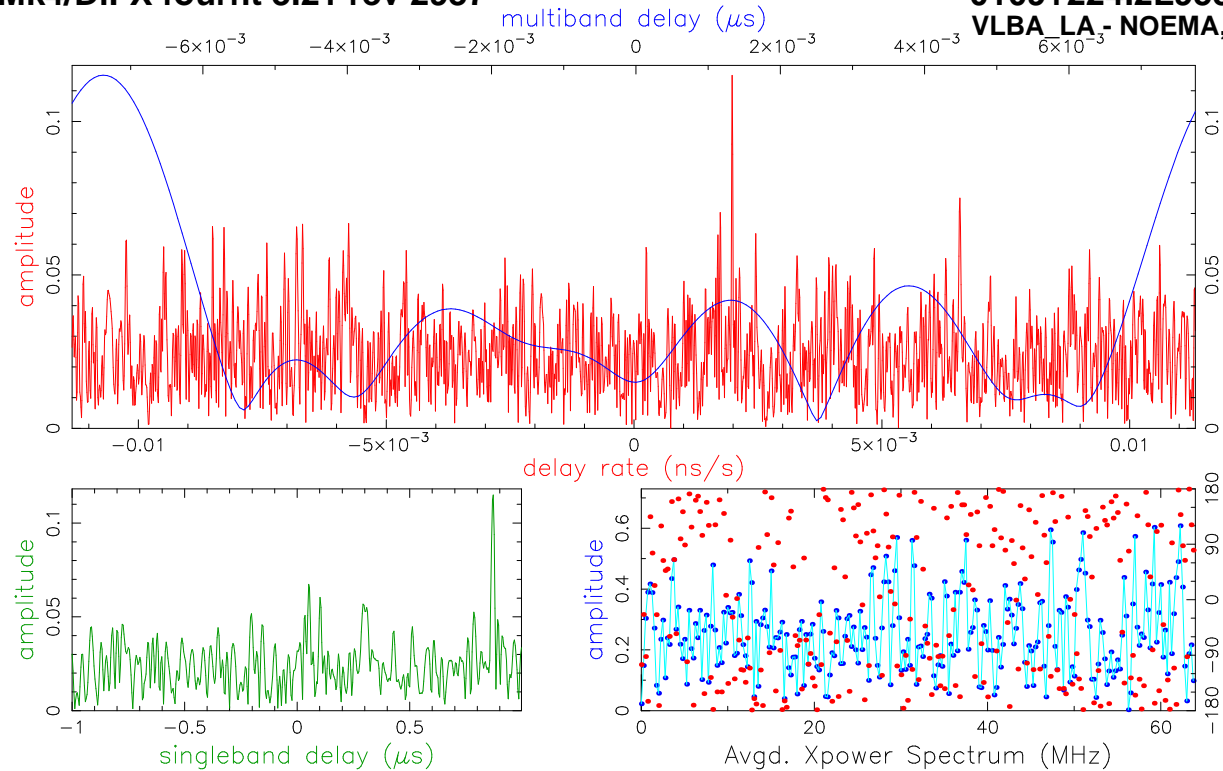


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
U/L	178.9	109.5	162.2	-89.3	110.7	116.2	163.4	174.2	Phase	151.4
I	0.6	0.8	0.8	1.0	1.0	0.9	1.1	0.7	Ampl.	0.9
N	255.0	257.2	257.7	257.4	257.5	257.4	256.6	254.9	Sbd box	256.8
I	703/0	703/0	703/0	703/0	703/0	703/0	703/0	703/0	APs used	
N	0	0	0	0	0	0	0	0	PC freqs	
I:N	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
I:N	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	ManI PC	
I	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
N	1000	1000	1000	1000	1000	1000	1000	1000		
I	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids	
N	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Tracks	

Group delay (usec)(sbd) -3.25732380633E+03 Apriori delay (usec) -3.25732845383E+03 Resid mbdelay (usec) 4.64749E-03 +/- 3.6E-05
 Sband delay (usec) -3.25732907533E+03 Apriori clock (usec) 1.0662281E+01 Resid sbdelay (usec) -6.21500E-04 +/- 2.9E-04
 Phase delay (usec) -3.25732844895E+03 Apriori clockrate (us/s) -1.3148000E-07 Resid phdelay (usec) 4.88142E-06 +/- 1.2E-07
 Delay rate (us/s) 1.80358328159E+00 Apriori rate (us/s) 1.80358317592E+00 Resid rate (us/s) 1.05676E-07 +/- 5.9E-10
 Total phase (deg) 146.8 Apriori accel (us/s/s) 1.22000185525E-05 Resid phase (deg) 151.4 +/- 3.8

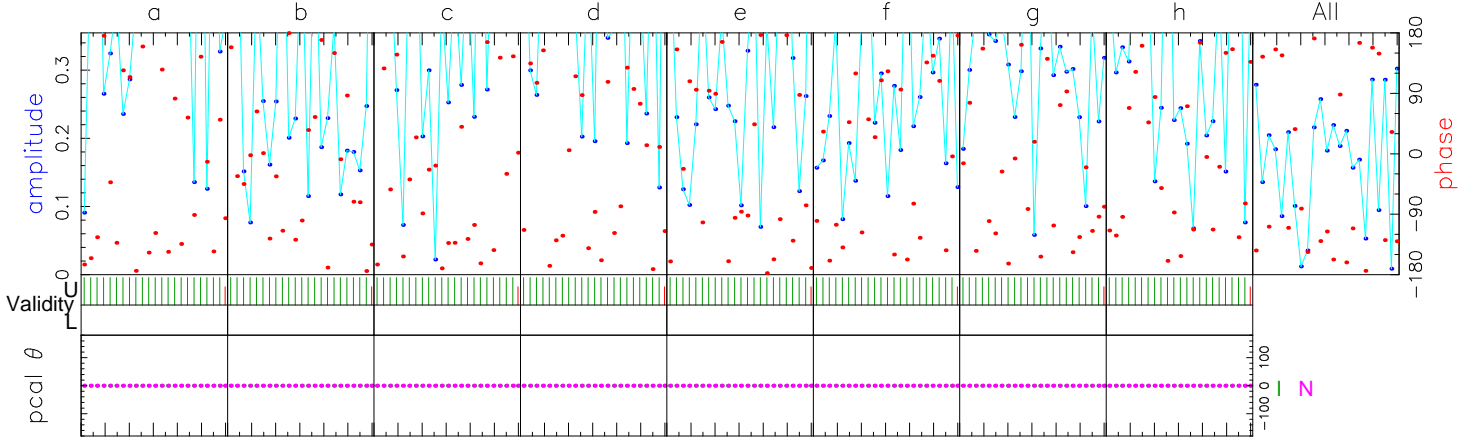
RMS Theor. Amplitude 0.581 +/- 0.019 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 ph/seg (deg) 70.0 9.1 Search (2048X32) 0.537 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 amp/seg (%) 83.2 15.9 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 ph/frq (deg) 58.4 5.4 Inc. seg. avg. 0.825 Sample rate(MISamp/s): 128 dr window (ns/s) -0.011 0.011
 amp/frq (%) 54.5 9.4 Inc. frq. avg. 0.853 Data rate(Mb/s): 2048 nlags: 256 t_cohere infinite ion window (TEC) 0.00 0.00

I: az 84.1 el 33.0 pa -61.1 N: az 256.5 el 45.9 pa 48.5 u,v (fr/asec) -11189.645 -492.248 simultaneous interpolator
 Control file: cf_1234_gmva Input file: /Exps/c222d/v1/3mm/3001/No0045/IN...2L955X Output file: /Exps/c222d/v1/3mm/3001/No0045/IN.W.41.2L955X



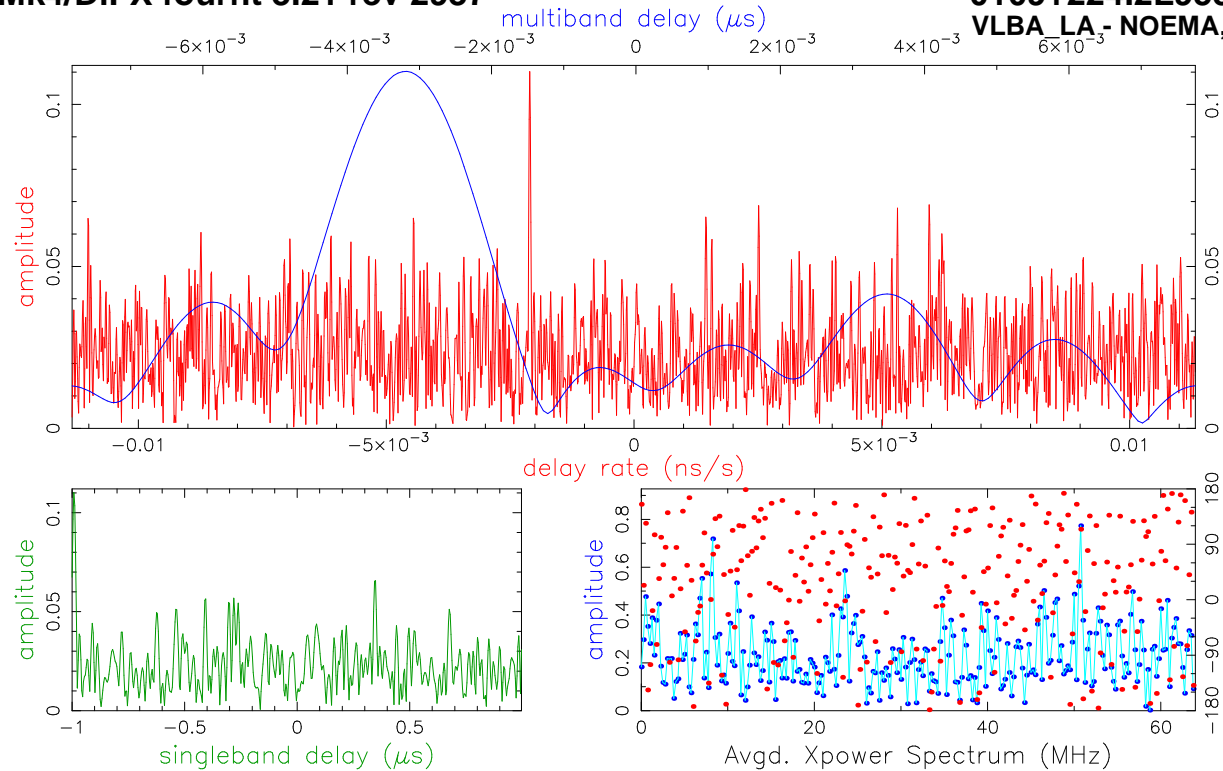
Fringe quality 0
 SNR 6.1
 Int time 359.639
 Amp 0.118
 Phase -158.9
 PFD 3.1e-01
 Delays (us)
 SBD 0.869599
 MBD -0.007424
 Fringe rate (Hz)
 0.170962
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.512
 Exp. c222d
 Exper # 16383
 Yr:day 2022:283
 Start 024500.00
 Stop 025059.94
 FRT 024800.00
 Corr/FF/build
 2023:044:074210
 2023:044:124201
 2021:252:122852
 RA & Dec (J2000)
 01h12m05.824716s
 +22°44'38.786350"

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



	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	-172.6	-116.3	-153.3	-162.8	-160.1	168.2	-131.0	-164.4	Phase	-158.9
	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.1	Ampl.	0.1
	481.0	159.8	22.1	511.0	102.3	384.4	284.0	98.7	Sbd box	479.6
U/L	703/0	703/0	703/0	703/0	703/0	703/0	703/0	703/0	APs used	
I	0	0	0	0	0	0	0	0	PC freqs	
N	0	0	0	0	0	0	0	0	PC freqs	
I:N	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
I:N	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	ManI PC	
I	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
N	1000	1000	1000	1000	1000	1000	1000	1000		
I	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)	-3.25646087778E+03		Apriori delay (usec)		-3.25732845383E+03		Resid mbdelay (usec)		-7.42395E-03	+/- 1.8E-04
Sband delay (usec)	-3.25645885533E+03		Apriori clock (usec)		1.0662281E+01		Resid sbdelay (usec)		8.69599E-01	+/- 1.4E-03
Phase delay (usec)	-3.25732845895E+03		Apriori clockrate (us/s)		-1.3148000E-07		Resid phdelay (usec)		-5.12294E-06	+/- 6.1E-07
Delay rate (us/s)	1.80358516062E+00		Apriori rate (us/s)		1.80358317592E+00		Resid rate (us/s)		1.98470E-06	+/- 2.9E-09
Total phase (deg)			Apriori accel (us/s/s)		1.22000185525E-05		Resid phase (deg)		-158.9	+/- 18.9

ph/seg (deg) 66.8 45.4 Amplitude 0.118 +/- 0.020 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 85.4 79.2 Interp. 0.112 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 25.6 26.8 Inc. seg. avg. 0.128 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 amp/frq (%) 37.9 46.7 Inc. frq. avg. 0.110 Sample rate(MISamp/s): 128 Data rate(Mb/s): 2048 nlags: 256 t_cohere infinite dr window (ns/s) -0.011 0.011
 I: az 84.1 el 33.0 pa -61.1 N: az 256.5 el 45.9 pa 48.5 u,v (fr/asec) -11189.645 -492.248 simultaneous interpolator
 Control file: cf_1234_gmva Input file: /Exps/c222d/v1/3mm/3001/No0045/IN...2L955X Output file: /Exps/c222d/v1/3mm/3001/No0045/IN.W.64.2L955X

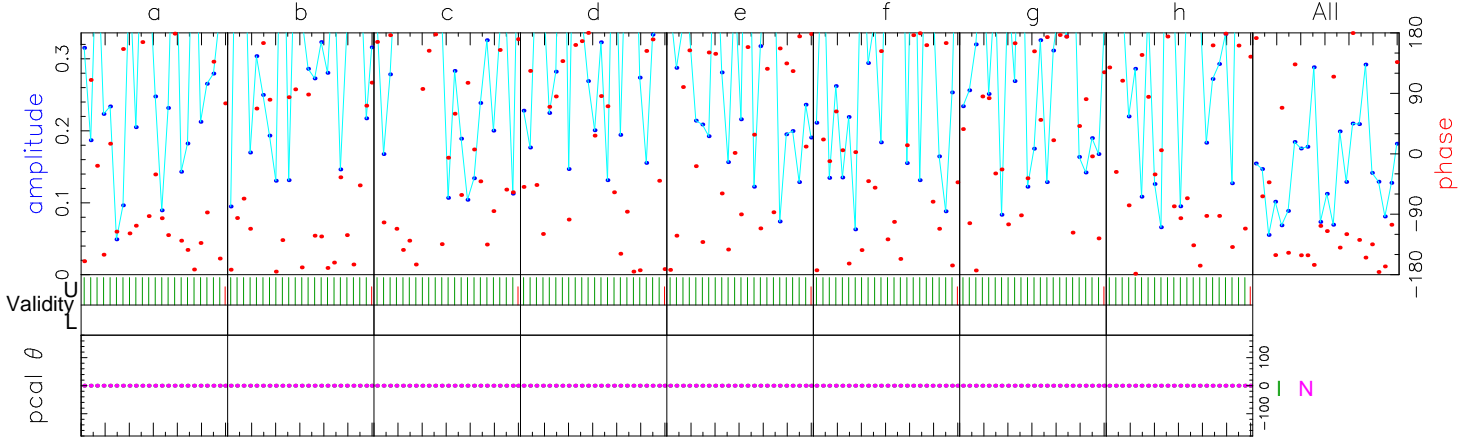


Fringe quality 0

SNR 5.7
Int time 359.639
Amp 0.112
Phase -153.9
PFD 9.2e-01
Delays (us)
SBD -0.991521
MBD -0.003167
Fringe rate (Hz)
-0.181418
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512

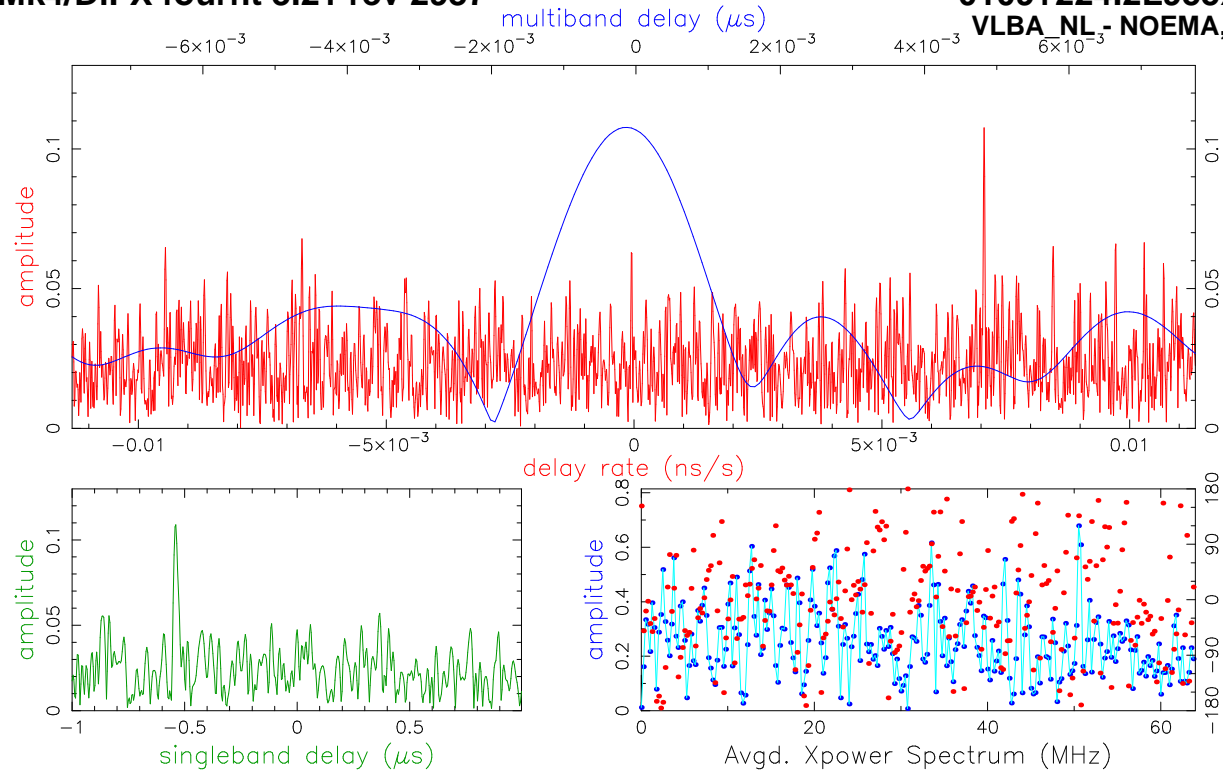
Exp. c222d
Exper # 16383
Yr:day 2022:283
Start 024500.00
Stop 025059.94
FRT 024800.00
Corr/FF/build
2023:044:074210
2023:044:124204
2021:252:122852
RA & Dec (J2000)
01h12m05.824716s
+22°44'38.786350"

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



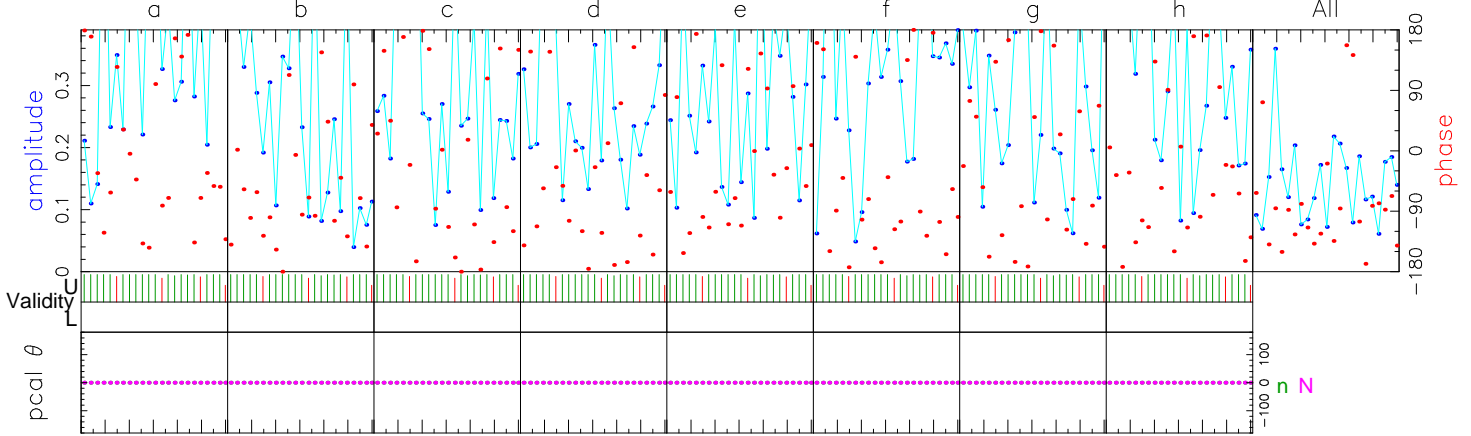
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	-146.4	-143.7	-155.3	-172.7	178.0	-131.2	-148.4	-155.7	Phase	-153.9
	0.1	0.1	0.2	0.1	0.1	0.1	0.0	0.1	Ampl.	0.1
	303.9	146.1	377.2	119.2	119.4	333.5	413.0	346.1	Sbd box	3.2
U/L	703/0	703/0	703/0	703/0	703/0	703/0	703/0	703/0	APs used	
I	0	0	0	0	0	0	0	0	PC freqs	
N	0	0	0	0	0	0	0	0	PC freqs	
I:N	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
I:N	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	ManI PC	
I	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
N	1000	1000	1000	1000	1000	1000	1000	1000		
I	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids	
N	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Tracks	
									Tracks	
Group delay (usec)(sbd)	-3.25831599558E+03		Apriori delay (usec)		-3.25732845383E+03		Resid mbdelay (usec)		-3.16675E-03	+/- 1.9E-04
Sband delay (usec)	-3.25831997433E+03		Apriori clock (usec)		1.0662281E+01		Resid sbdelay (usec)		-9.91521E-01	+/- 1.5E-03
Phase delay (usec)	-3.25732845879E+03		Apriori clockrate (us/s)		-1.3148000E-07		Resid phdelay (usec)		-4.96402E-06	+/- 6.5E-07
Delay rate (us/s)	1.80358106983E+00		Apriori rate (us/s)		1.80358317592E+00		Resid rate (us/s)		-2.10608E-06	+/- 3.1E-09
Total phase (deg)			Apriori accel (us/s/s)		1.22000185525E-05		Resid phase (deg)		-153.9	+/- 20.0

ph/seg (deg) 54.7 48.0 Search (2048X32) 0.112 +/- 0.020 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 67.0 83.7 Interp. 0.108 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 17.6 28.3 Inc. seg. avg. 0.111 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 amp/frq (%) 32.1 49.4 Inc. frq. avg. 0.103 Sample rate(MISamp/s): 128 Data rate(Mb/s): 2048 nlags: 256 t_cohere infinite dr window (ns/s) -0.011 0.011
 I: az 84.1 el 33.0 pa -61.1 N: az 256.5 el 45.9 pa 48.5 u,v (fr/asec) -11189.645 -492.248 simultaneous interpolator
 Control file: cf_1234_gmva Input file: /Exps/c222d/v1/3mm/3001/No0045/IN...2L955X Output file: /Exps/c222d/v1/3mm/3001/No0045/IN.W.83.2L955X



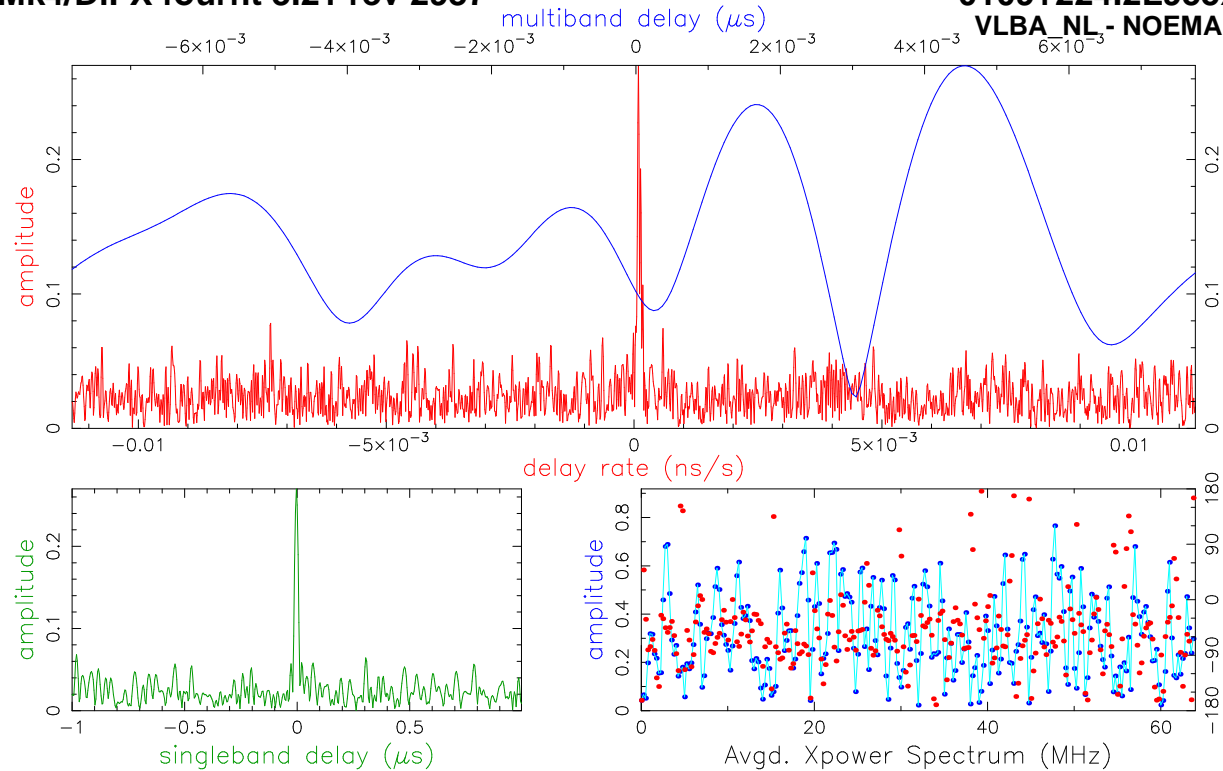
Fringe quality 0
SNR 5.7
Int time 353.196
Amp 0.130
Phase -111.1
PFD 9.8e-01
Delays (us)
SBD -0.540718
MBD -0.000076
Fringe rate (Hz) 0.609282
Ion TEC 0.000
Ref freq (MHz) 86140.0000
AP (sec) 0.512
Exp. c222d
Exper # 16383
Yr:day 2022:283
Start 024500.00
Stop 025059.94
FRT 024800.00
Corr/FF/build
2023:044:074210
2023:044:124210
2021:252:122852
RA & Dec (J2000)
01h12m05.824716s
+22°44'38.786350"

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



	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	-101.6	-91.1	-156.6	-94.7	-89.3	-123.4	-144.6	-93.8	Phase	-111.1
	0.2	0.2	0.1	0.1	0.1	0.3	0.1	0.1	Ampl.	0.1
	361.8	77.2	269.5	489.2	470.3	118.7	316.6	48.5	Sbd box	118.6
U/L	696/0	696/0	696/0	696/0	697/0	697/0	697/0	697/0	APs used	
n	0	0	0	0	0	0	0	0	PC freqs	
N	0	0	0	0	0	0	0	0	PC freqs	
n:N	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
n:N	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	
N	1000	1000	1000	1000	1000	1000	1000	1000		
n	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids	
N	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Tracks	
									Tracks	
Group delay (usec)(sbd)	-6.27940085994E+00		Apriori delay (usec)		-5.73244945976E+00		Resid mbdelay (usec)		-7.64002E-05	+/- 1.9E-04
Sband delay (usec)	-6.27316795976E+00		Apriori clock (usec)		3.6969822E+01		Resid sbdelay (usec)		-5.40718E-01	+/- 1.5E-03
Phase delay (usec)	-5.73245304262E+00		Apriori clockrate (us/s)		4.2387000E-07		Resid phdelay (usec)		-3.58286E-06	+/- 6.5E-07
Delay rate (us/s)	1.56915173621E+00		Apriori rate (us/s)		1.56914466305E+00		Resid rate (us/s)		7.07316E-06	+/- 3.2E-09
Total phase (deg)			Apriori accel (us/s/s)		-1.38200129674E-06		Resid phase (deg)		-111.1	+/- 20.3

ph/seg (deg) RMS Theor. Amplitude 0.130 +/- 0.023 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 68.7 48.3 Search (2048X32) 0.107 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 28.5 28.6 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 amp/frq (%) 44.4 50.0 Inc. seg. avg. 0.126 Sample rate(MISamp/s): 128 Data rate(Mb/s): 2048 nlags: 256 t_cohere infinite dr window (ns/s) -0.011 0.011
 n: az 98.3 el 44.3 pa -53.1 N: az 256.5 el 45.9 pa 48.5 u,v (fr/asec) -9753.102 -286.397 simultaneous interpolator
 Control file: cf_1234_gmva Input file: /Exps/c222d/v1/3mm/3001/No0045/nN..2L955X Output file: /Exps/c222d/v1/3mm/3001/No0045/nN.W.111.2L955X

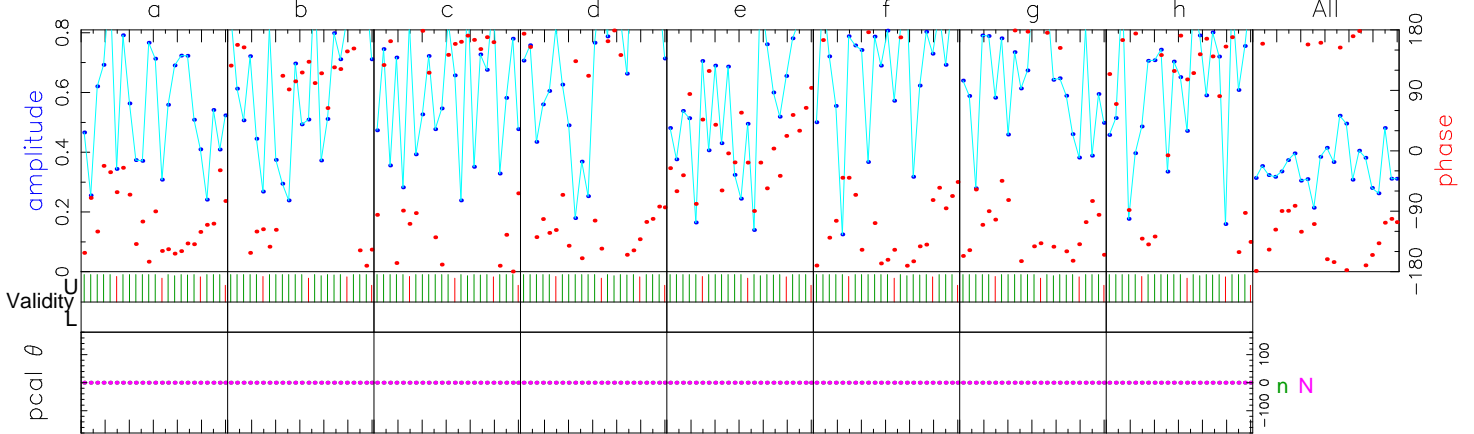


Fringe quality 9

SNR 13.9
Int time 353.196
Amp 0.270
Phase -151.4
PFD 5.4e-35
Delays (us)
SBD -0.003533
MBD 0.004571
Fringe rate (Hz) 0.008037
Ion TEC 0.000
Ref freq (MHz) 86140.0000
AP (sec) 0.512

Exp. c222d
Exper # 16383
Yr:day 2022:283
Start 024500.00
Stop 025059.94
FRT 024800.00
Corr/FF/build
2023:044:074210
2023:044:124157
2021:252:122852
RA & Dec (J2000)
01h12m05.824716s
+22°44'38.786350"

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



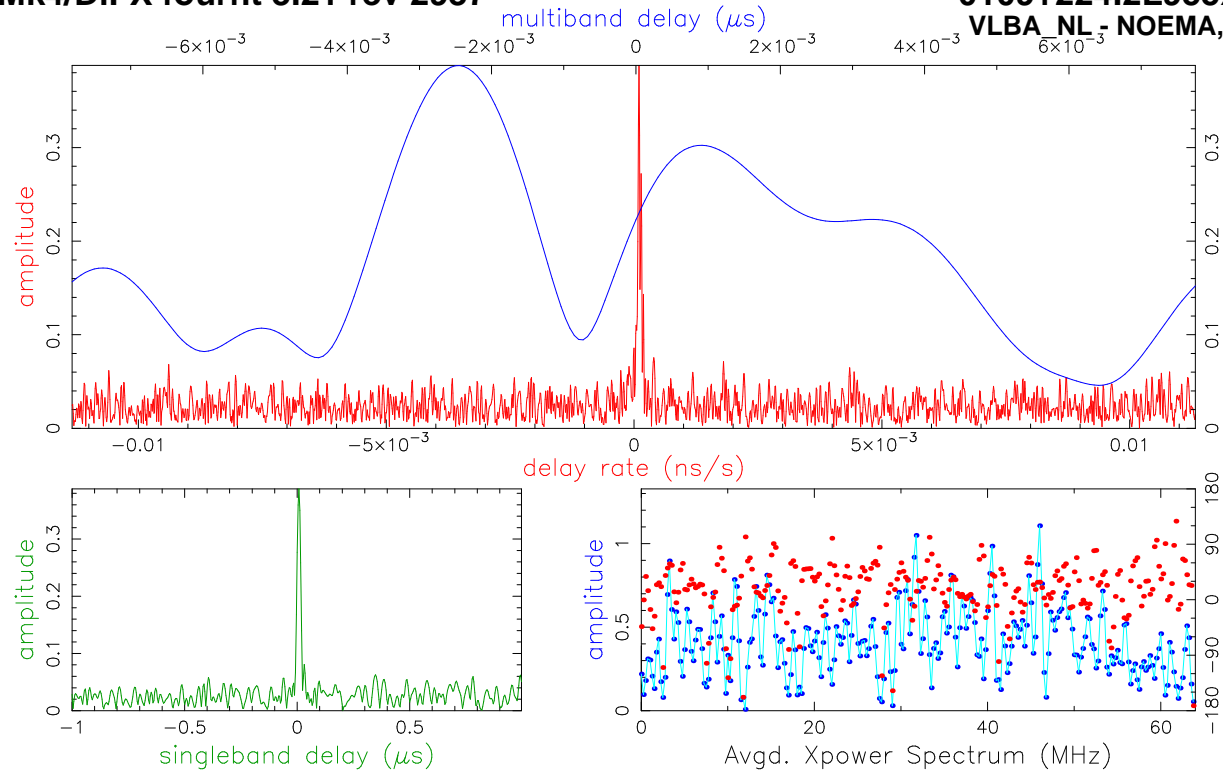
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	-104.2	152.9	-178.8	-139.1	13.8	-124.5	-135.0	162.3	Phase	-151.4
	0.4	0.4	0.4	0.5	0.4	0.4	0.5	0.4	Ampl.	0.4
	255.2	256.1	256.8	256.9	257.2	256.6	256.1	254.6	Sbd box	256.1
U/L	696/0	696/0	696/0	696/0	696/0	696/0	696/0	696/0	APs used	
n	0	0	0	0	0	0	0	0	PC freqs	
N	0	0	0	0	0	0	0	0	PC freqs	
n:N	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
n:N	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	
N	1000	1000	1000	1000	1000	1000	1000	1000		
n	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids	
N	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Tracks	

Group delay (usec)(sbd)	-5.74350394614E+00	Apriori delay (usec)	-5.73244945976E+00	Resid mbdelay (usec)	4.57051E-03	+/-	7.8E-05
Sband delay (usec)	-5.73598195976E+00	Apriori clock (usec)	3.6969822E+01	Resid sbdelay (usec)	-3.53250E-03	+/-	6.2E-04
Phase delay (usec)	-5.73245434246E+00	Apriori clockrate (us/s)	4.2387000E-07	Resid phdelay (usec)	-4.88270E-06	+/-	2.7E-07
Delay rate (us/s)	1.56914475635E+00	Apriori rate (us/s)	1.56914466305E+00	Resid rate (us/s)	9.33007E-08	+/-	1.3E-09
Total phase (deg)	-222.1	Apriori accel (us/s/s)	-1.38200129674E-06	Resid phase (deg)	-151.4	+/-	8.3

ph/seg (deg)	RMS 40.7	Theor. 19.7	Amplitude Search (2048X32)	0.270 +/- 0.019	0.259	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5	sb window (us)	-1.000	1.000	
amp/seg (%)	41.9	34.4	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)	78.2	11.7	Inc. seg. avg.	0.336	0.336	Bits/sample: 2x2	Sample rate(MISamp/s): 128	dr window (ns/s)	-0.011	0.011	
amp/frq (%)	63.3	20.4	Inc. frq. avg.	0.423	0.423	Data rate(Mb/s): 2048	nlags: 256	t_cohere infinite	ion window (TEC)	0.00	0.00

n: az 98.3 el 44.3 pa -53.1 N: az 256.5 el 45.9 pa 48.5 u,v (fr/asec) -9753.102 -286.397 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c222d/v1/3mm/3001/No0045/nN..2L955X Output file: /Exps/c222d/v1/3mm/3001/No0045/nN.W.37.2L955X

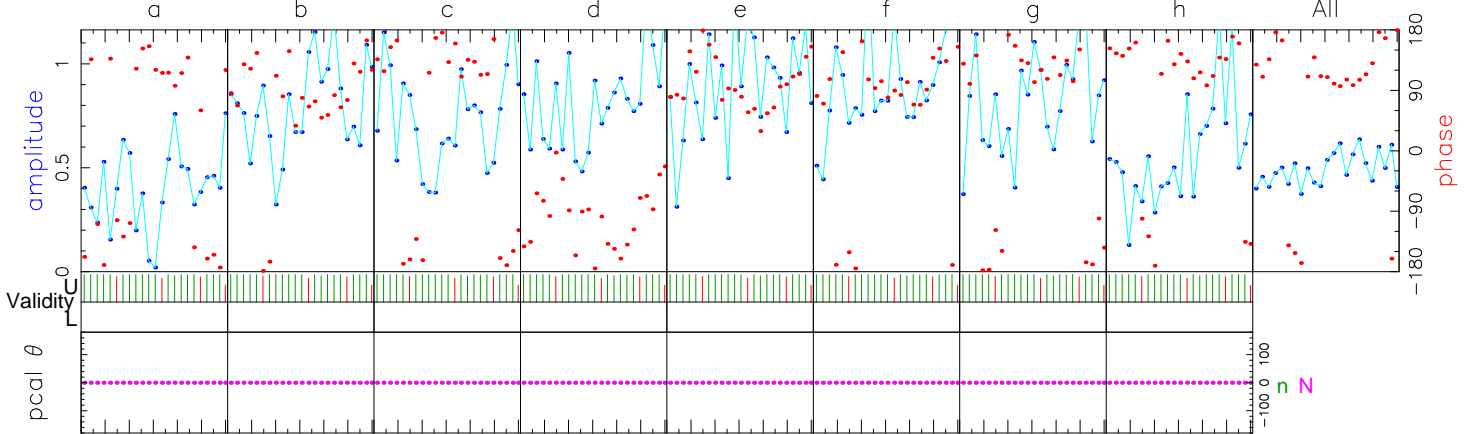


Fringe quality 7

SNR 19.9
Int time 353.196
Amp 0.388
Phase 138.9
PFD 0.0e+00
Delays (us)
SBD 0.007552
MBD -0.002470
Fringe rate (Hz) 0.008165
Ion TEC 0.000
Ref freq (MHz) 86140.0000
AP (sec) 0.512

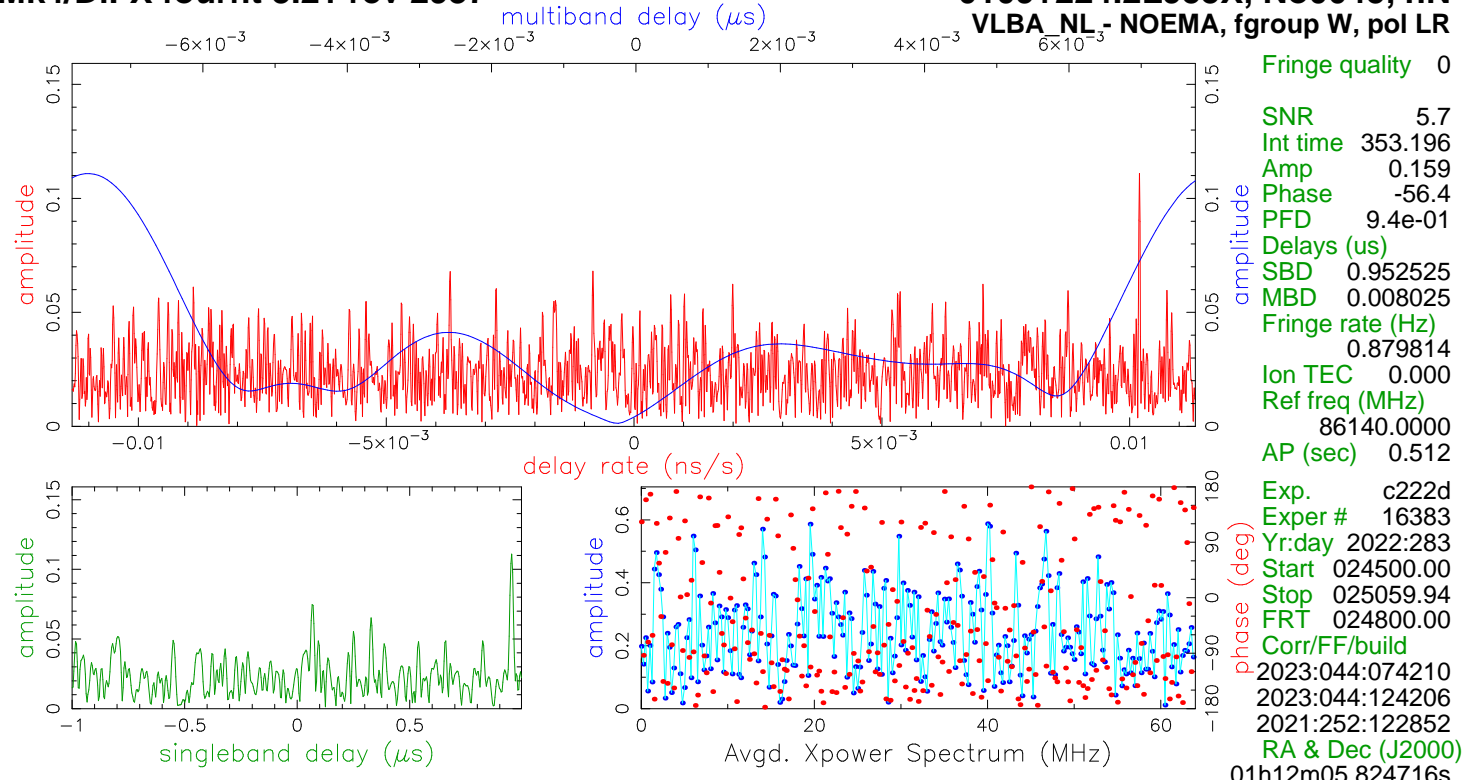
Exp. c222d
Exper # 16383
Yr:day 2022:283
Start 024500.00
Stop 025059.94
FRT 024800.00
Corr/FF/build
2023:044:074210
2023:044:124202
2021:252:122852
RA & Dec (J2000)
01h12m05.824716s
+22°44'38.786350"

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

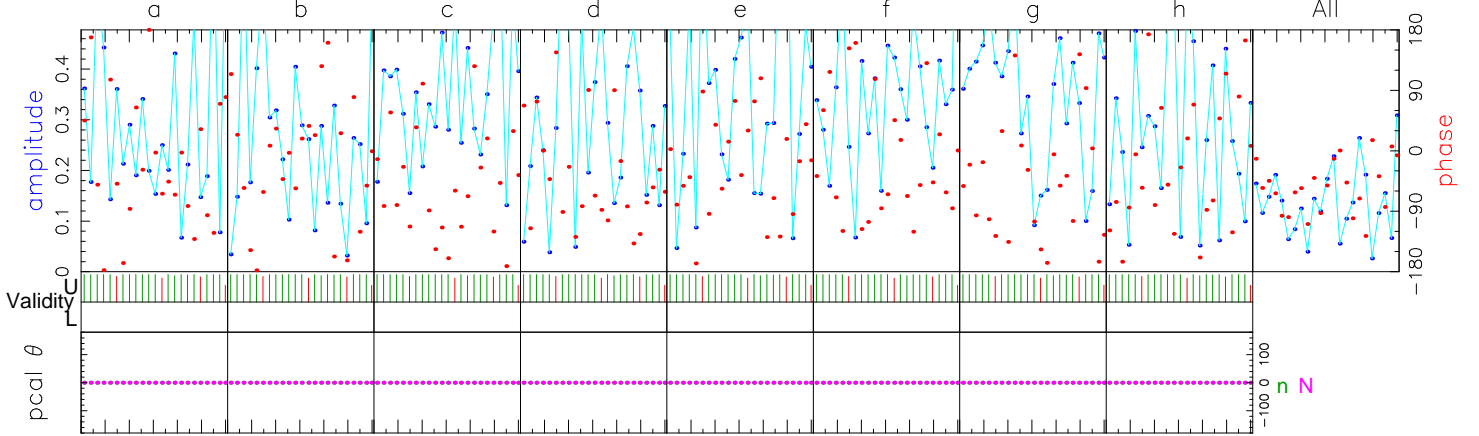


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
U/L	166.8	99.2	163.0	-96.9	98.5	122.8	150.7	149.7	Phase	138.9
n	0.2	0.6	0.6	0.6	0.7	0.7	0.6	0.5	Ampl.	0.5
N	256.3	259.0	259.6	259.7	259.5	259.5	258.8	257.5	Sbd box	258.9
n	696/0	696/0	696/0	696/0	697/0	697/0	697/0	697/0	APs used	
N	0	0	0	0	0	0	0	0	PC freqs	
n:N	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC freqs	
n:N	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
n	1000	1000	1000	1000	1000	1000	1000	1000	Mani PC	
N	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
n	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids	
N	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Tracks	
Group delay (usec)(sbd)	-5.71929461240E+00		Apriori delay (usec)		-5.73244945976E+00		Resid mbdelay (usec)		-2.47015E-03	+/- 5.4E-05
Sband delay (usec)	-5.72489745976E+00		Apriori clock (usec)		3.6969822E+01		Resid sbdelay (usec)		7.55200E-03	+/- 4.3E-04
Phase delay (usec)	-5.73244498038E+00		Apriori clockrate (us/s)		4.2387000E-07		Resid phdelay (usec)		4.47938E-06	+/- 1.9E-07
Delay rate (us/s)	1.56914475784E+00		Apriori rate (us/s)		1.56914466305E+00		Resid rate (us/s)		9.47880E-08	+/- 9.0E-10
Total phase (deg)	68.2		Apriori accel (us/s/s)		-1.38200129674E-06		Resid phase (deg)		138.9	+/- 5.7

ph/seg (deg) 38.9 13.7 Search (2048X32) 0.371 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
amp/seg (%) 34.1 24.0 Interp. 0.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
ph/frq (deg) 58.5 8.1 Inc. seg. avg. 0.482 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
amp/frq (%) 56.7 14.2 Inc. frq. avg. 0.550 Sample rate(MISamp/s): 128 Data rate(Mb/s): 2048 nlags: 256 t_cohere infinite dr window (ns/s) -0.011 0.011
n: az 98.3 el 44.3 pa -53.1 N: az 256.5 el 45.9 pa 48.5 u,v (fr/asec) -9753.102 -286.397 simultaneous interpolator
Control file: cf_1234_gmva Input file: /Exps/c222d/v1/3mm/3001/No0045/nN..2L955X Output file: /Exps/c222d/v1/3mm/3001/No0045/nN.W.73.2L955X



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

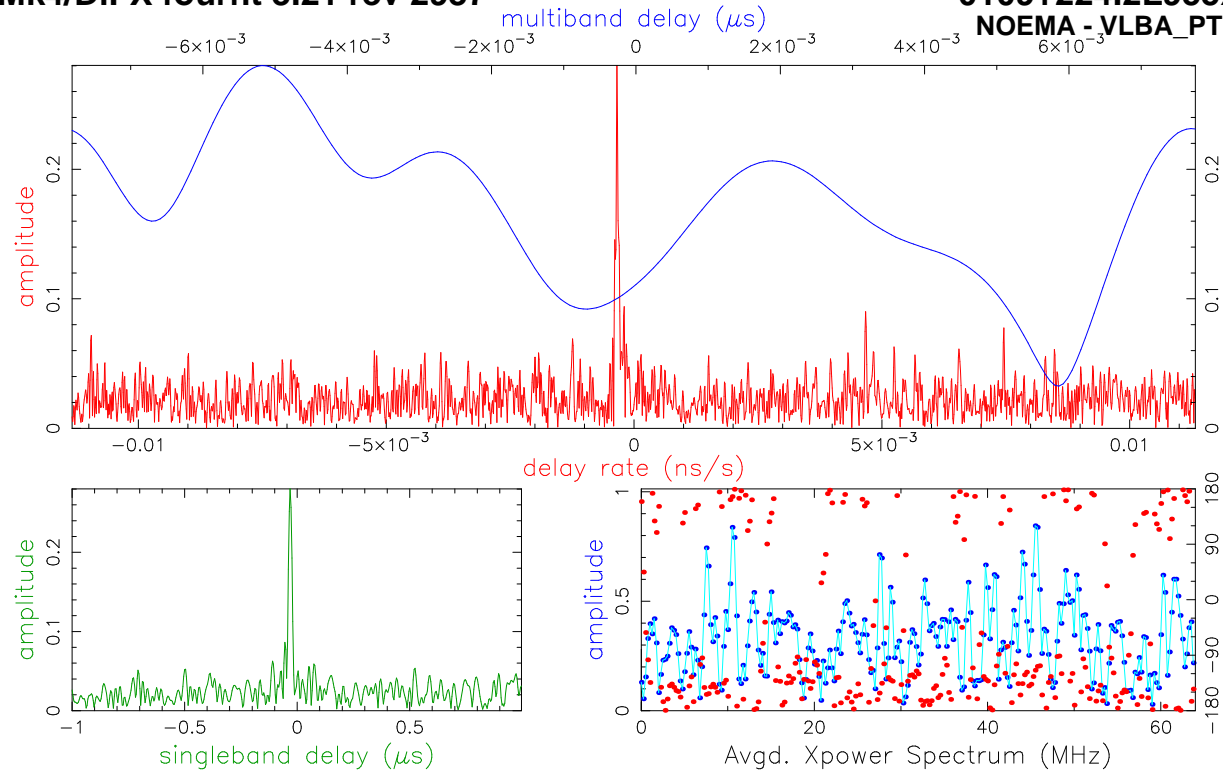


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	-81.7	-29.0	-59.8	-77.7	-3.7	-59.0	-78.8	-58.8	Phase	-56.4
	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1	Ampl.	0.2
	375.1	457.9	342.5	192.9	309.1	373.4	319.9	260.5	Sbd box	500.8
U/L	696/0	696/0	696/0	696/0	696/0	696/0	696/0	696/0	APs used	
n	0	0	0	0	0	0	0	0	PC freqs	
N	0	0	0	0	0	0	0	0	PC freqs	
n:N	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
n:N	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	
N	1000	1000	1000	1000	1000	1000	1000	1000		
n	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids	
N	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Tracks	

Group delay (usec)(sbd)	-4.78692402226E+00	Apriori delay (usec)	-5.73244945976E+00	Resid mbdelay (usec)	8.02544E-03	+/-	1.9E-04
Sband delay (usec)	-4.77992470976E+00	Apriori clock (usec)	3.6969822E+01	Resid sbdelay (usec)	9.52525E-01	+/-	1.5E-03
Phase delay (usec)	-5.73245127902E+00	Apriori clockrate (us/s)	4.2387000E-07	Resid phdelay (usec)	-1.81926E-06	+/-	6.5E-07
Delay rate (us/s)	1.56915487682E+00	Apriori rate (us/s)	1.56914466305E+00	Resid rate (us/s)	1.02138E-05	+/-	3.1E-09
Total phase (deg)	-127.1	Apriori accel (us/s/s)	-1.38200129674E-06	Resid phase (deg)	-56.4	+/-	20.1

ph/seg (deg)	38.7	Theor.	47.9	Amplitude	0.159 +/- 0.028	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5		
amp/seg (%)	62.3	Search (2048X32)	0.105	Interp.	0.000	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000 1.000		
ph/frq (deg)	29.3	Inc. seg. avg.	0.144	Inc. frq. avg.	0.158	Bits/sample:	2x2	SampCntNorm: enabled	mb window (us)	-0.008 0.008	
amp/frq (%)	31.7	Inc. frq. avg.	0.158			Sample rate (MSamp/s):	128	dr window (ns/s)	-0.011 0.011		
n: az 98.3 el 44.3 pa -53.1		N: az 256.5 el 45.9 pa 48.5		u, v (fr/asec)	-9753.102 -286.397	Data rate (Mb/s):	2048	nlags: 256	t_cohere infinite	ion window (TEC)	0.00 0.00

Control file: cf_1234_gmva Input file: /Exps/c222d/v1/3mm/3001/No0045/nN..2L955X Output file: /Exps/c222d/v1/3mm/3001/No0045/nN.W.99.2L955X simultaneous interpolator

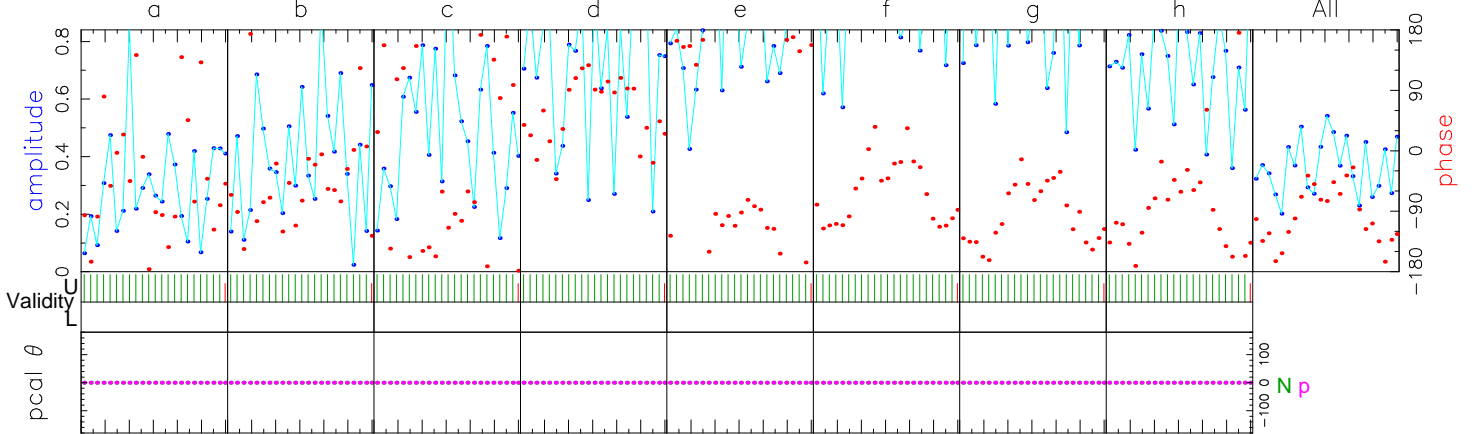


Fringe quality 7

SNR 14.5
Int time 359.834
Amp 0.280
Phase -94.0
PFD 4.7e-39
Delays (us)
SBD -0.031076
MBD -0.005161
Fringe rate (Hz)
-0.029458
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512

Exp. c222d
Exper # 16383
Yr:day 2022:283
Start 024500.00
Stop 025059.94
FRT 024800.00
Corr/FF/build
2023:044:074210
2023:044:124214
2021:252:122852
RA & Dec (J2000)
01h12m05.824716s
+22°44'38.786350"

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



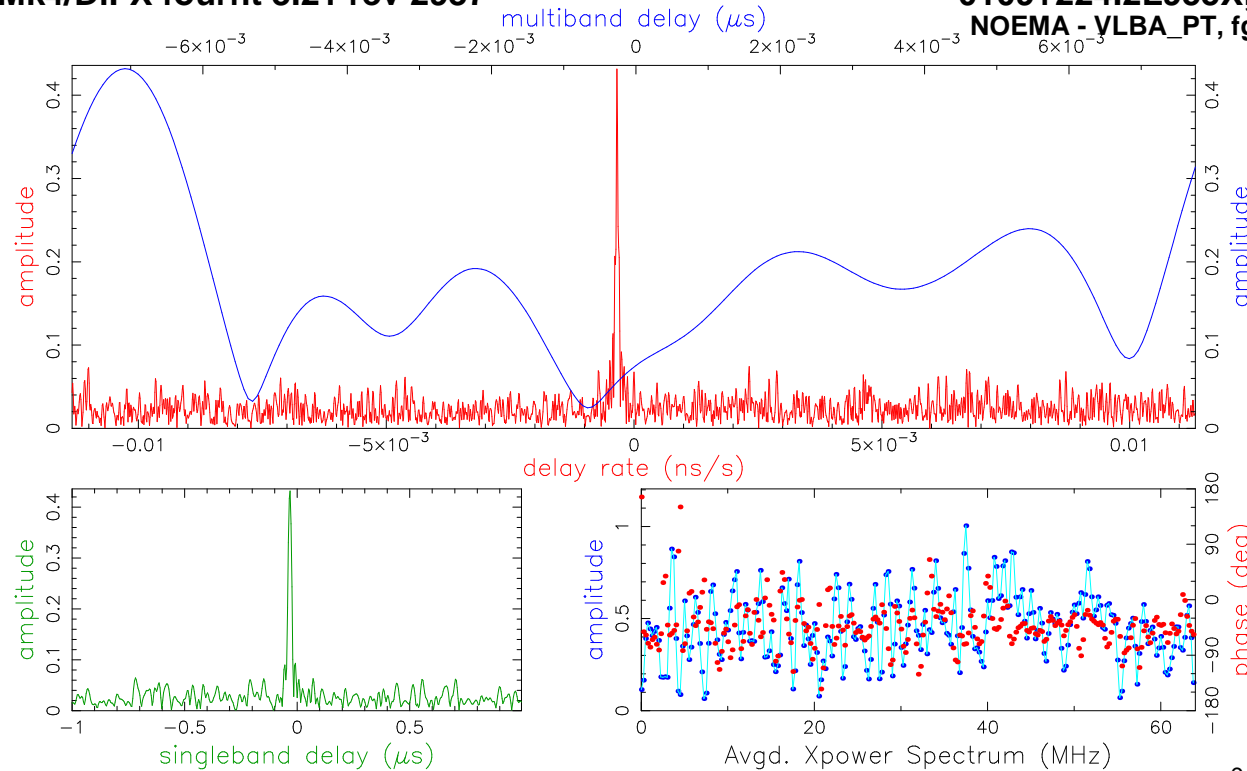
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	-79.4	-64.9	-158.4	61.3	-139.5	-62.5	-98.0	-97.2	Phase	-94.0
	0.1	0.3	0.3	0.5	0.6	0.7	0.7	0.5	Ampl.	0.5
	468.5	248.3	248.4	248.6	248.9	248.4	249.1	251.4	Sbd box	249.0
U/L	703/0	703/0	703/0	703/0	703/0	703/0	703/0	703/0	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	

Group delay (usec)(sbd)	3.77960952406E+03	Apriori delay (usec)	3.77964593462E+03	Resid mbdelay (usec)	-5.16056E-03	+/-	7.5E-05
Sband delay (usec)	3.77961485837E+03	Apriori clock (usec)	-1.4053953E+01	Resid sbdelay (usec)	-3.10763E-02	+/-	5.9E-04
Phase delay (usec)	3.77964593159E+03	Apriori clockrate (us/s)	-3.3799999E-08	Resid phdelay (usec)	-3.03262E-06	+/-	2.5E-07
Delay rate (us/s)	-1.83900195319E+00	Apriori rate (us/s)	-1.83900161122E+00	Resid rate (us/s)	-3.41973E-07	+/-	1.2E-09
Total phase (deg)	196.9	Apriori accel (us/s/s)	-1.40738680554E-05	Resid phase (deg)	-94.0	+/-	7.9

ph/seg (deg)	RMS 41.5	Theor. 18.9	Amplitude Search (2048X32)	0.280 +/- 0.019	0.272	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5		
amp/seg (%)	45.1	33.0	Interp.	0.000	0.272	Pcal rate: 0.000E+00, 0.000E+00 (us/s)	sb window (us) -1.000 1.000		
ph/frq (deg)	73.5	11.2	Inc. seg. avg.	0.346	0.272	Bits/sample: 2x2	SampCntNorm: enabled	mb window (us) -0.008 0.008	
amp/frq (%)	96.3	19.5	Inc. frq. avg.	0.456	0.272	Sample rate(MISamp/s): 128	dr window (ns/s) -0.011 0.011		
					0.272	Data rate(Mb/s): 2048	nlags: 256	t_cohere infinite	ion window (TEC) 0.00 0.00

N: az 256.5 el 45.9 pa 48.5 p: az 82.2 el 31.3 pa -62.7 u,v (fr/asec) 11406.880 600.474 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c222d/v1/3mm/3001/No0045/Np..2L955X Output file: /Exps/c222d/v1/3mm/3001/No0045/Np.W.114.2L955X

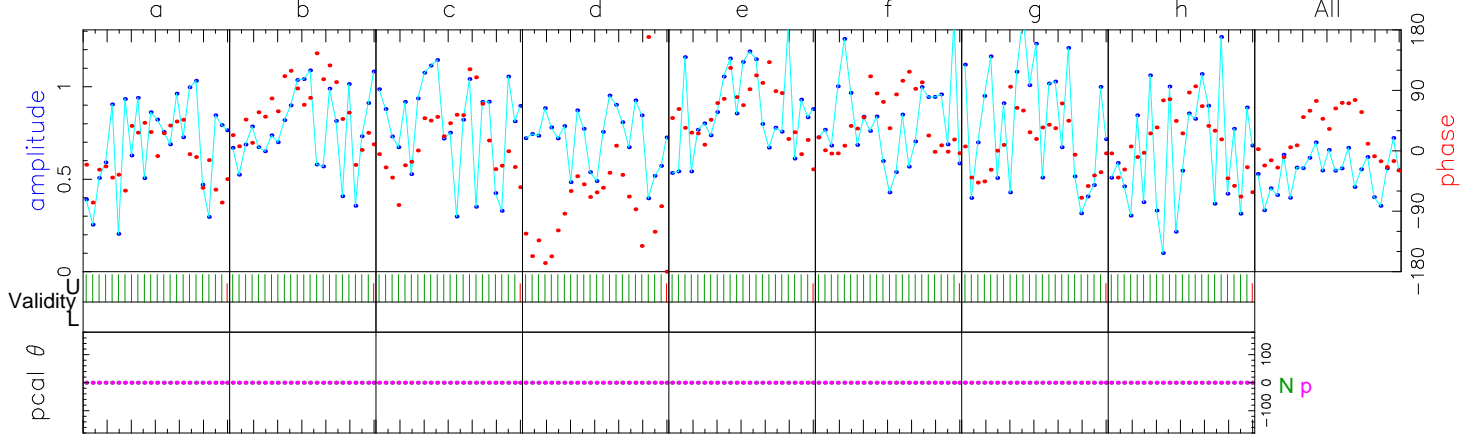


Fringe quality 8

SNR 22.6
Int time 359.834
Amp 0.436
Phase 23.7
PFD 0.0e+00
Delays (us)
SBD -0.032492
MBD -0.007115
Fringe rate (Hz)
-0.029487
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512

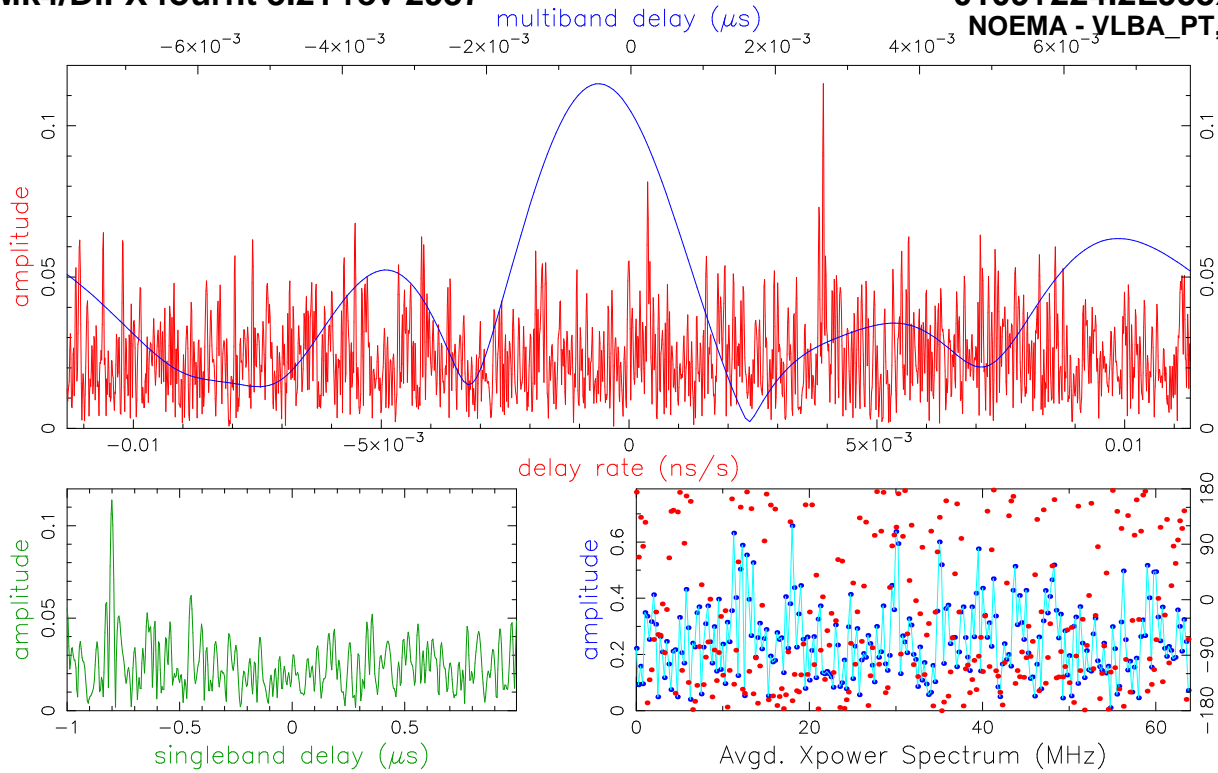
Exp. c222d
Exper # 16383
Yr:day 2022:283
Start 024500.00
Stop 025059.94
FRT 024800.00
Corr/FF/build
2023:044:074210
2023:044:124217
2021:252:122852
RA & Dec (J2000)
01h12m05.824716s
+22°44'38.786350"

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



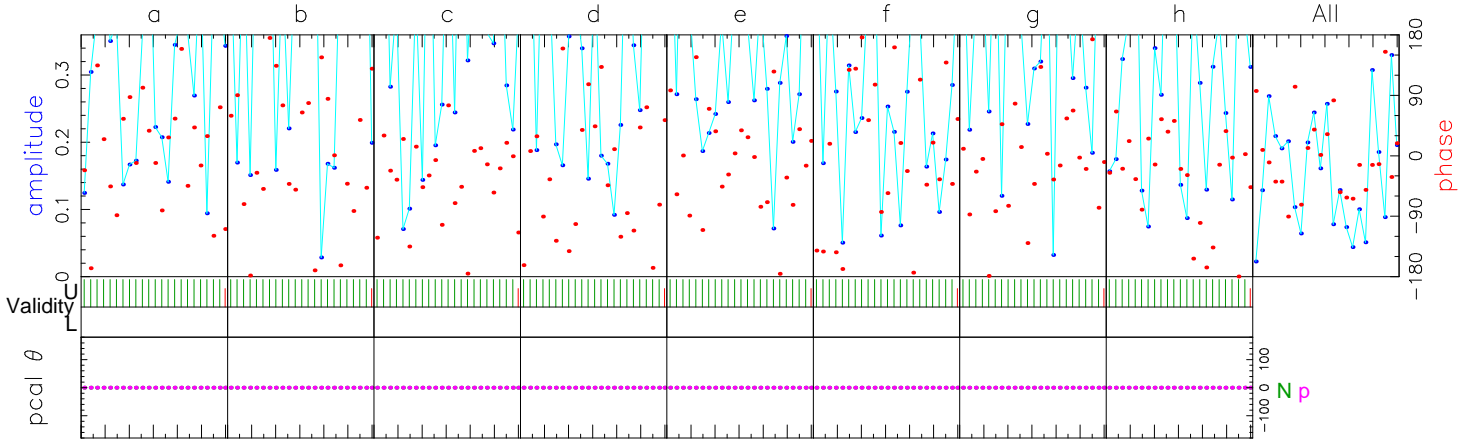
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	-7.2	65.3	14.8	-91.9	60.0	37.8	12.8	18.3	Phase	23.7
	0.5	0.6	0.6	0.5	0.7	0.6	0.6	0.4	Ampl.	0.6
	250.0	248.1	248.0	247.5	248.1	248.2	248.7	250.6	Sbd box	248.7
U/L	703/0	703/0	703/0	703/0	703/0	703/0	703/0	703/0	APs 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	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Tracks	
									Tracks	
Group delay (usec)(sbd)	3.77960756937E+03		Apriori delay (usec)		3.77964593462E+03		Resid mbdelay (usec)		-7.11525E-03	+/- 4.8E-05
Sband delay (usec)	3.77961344312E+03		Apriori clock (usec)		-1.4053953E+01		Resid sbdelay (usec)		-3.24915E-02	+/- 3.8E-04
Phase delay (usec)	3.77964593538E+03		Apriori clockrate (us/s)		-3.3799999E-08		Resid phdelay (usec)		7.63952E-07	+/- 1.6E-07
Delay rate (us/s)	-1.83900195353E+00		Apriori rate (us/s)		-1.83900161122E+00		Resid rate (us/s)		-3.42311E-07	+/- 7.9E-10
Total phase (deg)			Apriori accel (us/s/s)		-1.40738680554E-05		Resid phase (deg)		23.7	+/- 5.1

ph/seg (deg) 37.3 12.2 Search (2048X32) 0.421 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 34.1 21.2 Interp. 0.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 54.4 7.2 Inc. seg. avg. 0.527 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 amp/frq (%) 33.8 12.5 Inc. frq. avg. 0.558 Sample rate(MISamp/s): 128 Data rate(Mb/s): 2048 nlags: 256 t_cohere infinite dr window (ns/s) -0.011 0.011
 N: az 256.5 el 45.9 pa 48.5 p: az 82.2 el 31.3 pa -62.7 u,v (fr/asec) 11406.880 600.474 simultaneous interpolator
 Control file: cf_1234_gmva Input file: /Exps/c222d/v1/3mm/3001/No0045/Np..2L955X Output file: /Exps/c222d/v1/3mm/3001/No0045/Np.W.125.2L955X



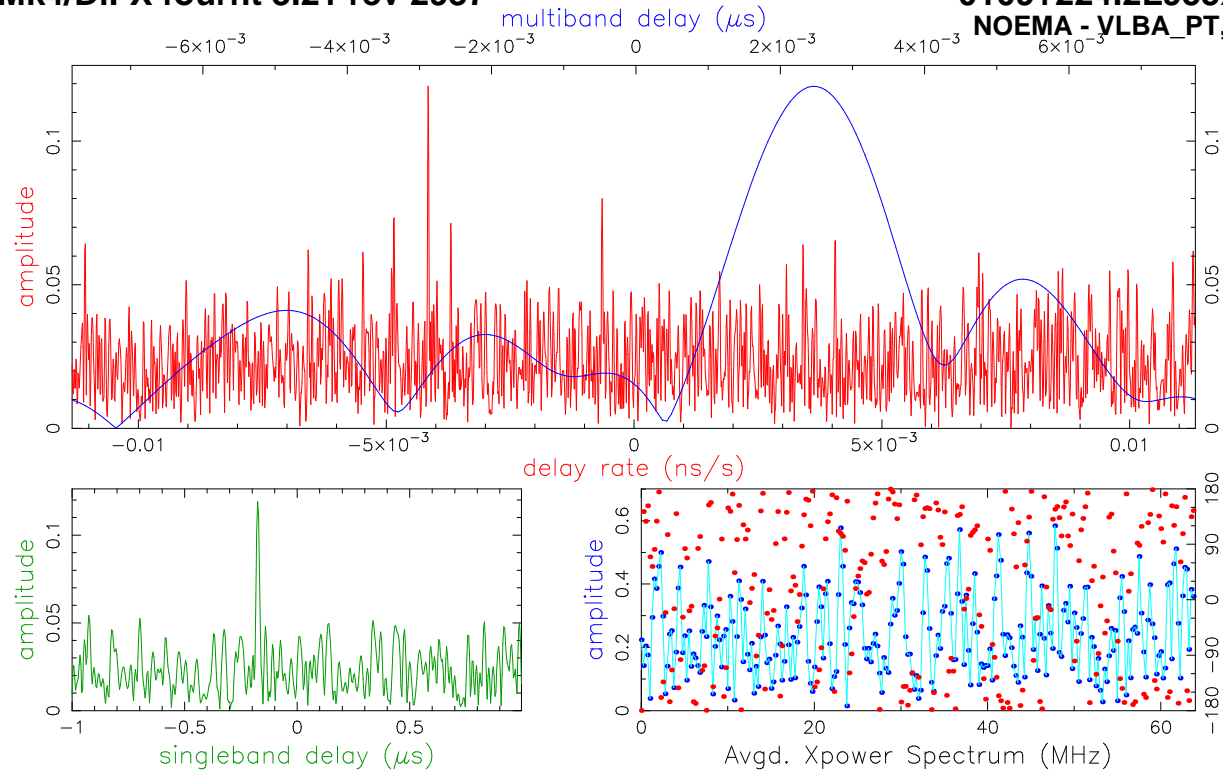
Fringe quality 0
SNR 5.9
Int time 359.834
Amp 0.120
Phase -10.7
PFD 5.6e-01
Delays (us)
SBD -0.801334
MBD -0.000440
Fringe rate (Hz) 0.338371
Ion TEC 0.000
Ref freq (MHz) 86140.0000
AP (sec) 0.512
Exp. c222d
Exper # 16383
Yr:day 2022:283
Start 024500.00
Stop 025059.94
FRT 024800.00
Corr/FF/build 2023:044:074210
2023:044:124221
2021:252:122852
RA & Dec (J2000) 01h12m05.824716s +22°44'38.786350"

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



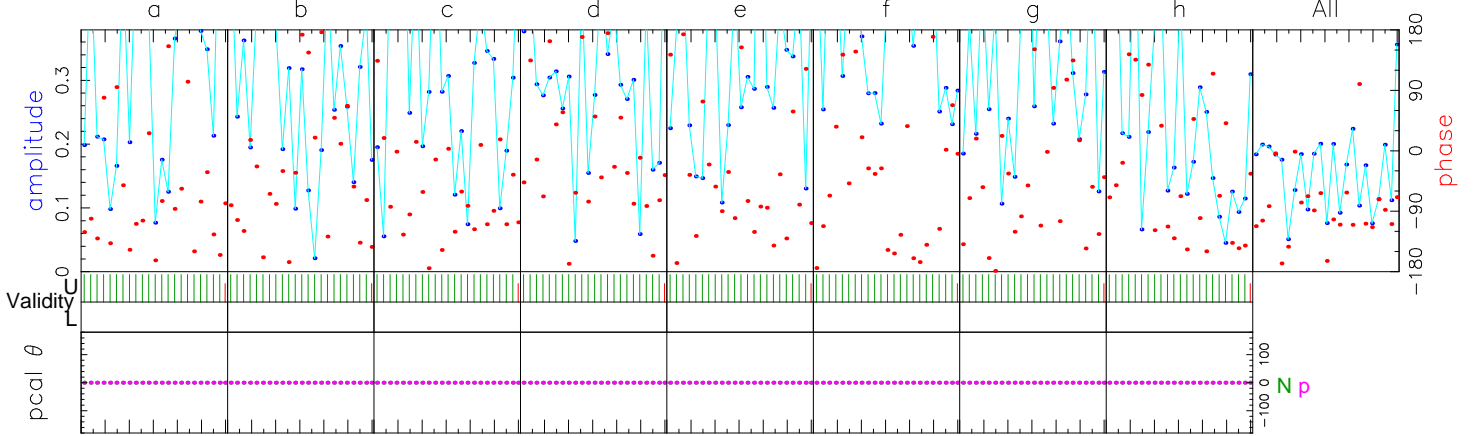
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	16.7	-16.7	-18.4	-45.1	-8.8	117.5	-15.9	-6.1	Phase	-10.7
	0.1	0.1	0.3	0.1	0.2	0.0	0.2	0.1	Ampl.	0.1
	241.8	311.4	52.5	151.1	20.7	506.7	384.8	82.7	Sbd box	51.9
U/L	703/0	703/0	703/0	703/0	703/0	703/0	703/0	703/0	APs 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)	3.77884861938E+03		Apriori delay (usec)		3.77964593462E+03		Resid mbdelay (usec)		-4.40243E-04	+/- 1.8E-04
Sband delay (usec)	3.77884460087E+03		Apriori clock (usec)		-1.4053953E+01		Resid sbdelay (usec)		-8.01334E-01	+/- 1.5E-03
Phase delay (usec)	3.77964593427E+03		Apriori clockrate (us/s)		-3.3799999E-08		Resid phdelay (usec)		-3.46143E-07	+/- 6.2E-07
Delay rate (us/s)	-1.83899768307E+00		Apriori rate (us/s)		-1.83900161122E+00		Resid rate (us/s)		3.92815E-06	+/- 3.0E-09
Total phase (deg)	280.2		Apriori accel (us/s/s)		-1.40738680554E-05		Resid phase (deg)		-10.7	+/- 19.4

ph/seg (deg) 62.1 46.4 Search (2048X32) 0.111 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 84.5 81.0 Interp. 0.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 55.5 27.4 Inc. seg. avg. 0.125 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 amp/frq (%) 58.4 47.8 Inc. frq. avg. 0.119 Sample rate(MISamp/s): 128 Data rate(Mb/s): 2048 nlags: 256 t_cohere infinite dr window (ns/s) -0.011 0.011
 N: az 256.5 el 45.9 pa 48.5 p: az 82.2 el 31.3 pa -62.7 u,v (fr/asec) 11406.880 600.474 simultaneous interpolator
 Control file: cf_1234_gmva Input file: /Exps/c222d/v1/3mm/3001/No0045/Np..2L955X Output file: /Exps/c222d/v1/3mm/3001/No0045/Np.W.144.2L955X



Fringe quality 0
SNR 6.2
Int time 359.834
Amp 0.126
Phase -89.4
PFD 1.4e-01
Delays (us)
SBD -0.175092
MBD 0.002470
Fringe rate (Hz)
-0.357893
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512
Exp. c222d
Exper # 16383
Yr:day 2022:283
Start 024500.00
Stop 025059.94
FRT 024800.00
Corr/FF/build
2023:044:074210
2023:044:124224
2021:252:122852
RA & Dec (J2000)
01h12m05.824716s
+22°44'38.786350"

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



	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	-101.3	-95.6	-68.2	-48.5	-93.2	-125.7	-81.9	-92.7	Phase	-89.4
	0.2	0.1	0.2	0.1	0.2	0.1	0.1	0.1	Ampl.	0.1
	195.1	14.6	120.2	290.8	154.1	277.6	80.1	142.7	Sbd box	212.2
U/L	703/0	703/0	703/0	703/0	703/0	703/0	703/0	703/0	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)	3.77947652972E+03		Apriori delay (usec)		3.77964593462E+03		Resid mbdelay (usec)		2.47010E-03	+/- 1.8E-04
Sband delay (usec)	3.77947084287E+03		Apriori clock (usec)		-1.4053953E+01		Resid sbdelay (usec)		-1.75092E-01	+/- 1.4E-03
Phase delay (usec)	3.77964593174E+03		Apriori clockrate (us/s)		-3.3799999E-08		Resid phdelay (usec)		-2.88154E-06	+/- 6.0E-07
Delay rate (us/s)	-1.83900576600E+00		Apriori rate (us/s)		-1.83900161122E+00		Resid rate (us/s)		-4.15478E-06	+/- 2.9E-09
Total phase (deg)	201.6		Apriori accel (us/s/s)		-1.40738680554E-05		Resid phase (deg)		-89.4	+/- 18.5

ph/seg (deg) 53.4 44.3 Search (2048X32) 0.114 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
amp/seg (%) 59.5 77.4 Interp. 0.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
ph/frq (deg) 24.8 26.1 Inc. seg. avg. 0.128 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
amp/frq (%) 35.4 45.6 Inc. frq. avg. 0.121 Sample rate(MISamp/s): 128 Data rate(Mb/s): 2048 nlags: 256 t_cohere infinite dr window (ns/s) -0.011 0.011
N: az 256.5 el 45.9 pa 48.5 p: az 82.2 el 31.3 pa -62.7 u,v (fr/asec) 11406.880 600.474 simultaneous interpolator
Control file: cf_1234_gmva Input file: /Exps/c222d/v1/3mm/3001/No0045/Np..2L955X Output file: /Exps/c222d/v1/3mm/3001/No0045/Np.W.159.2L955X