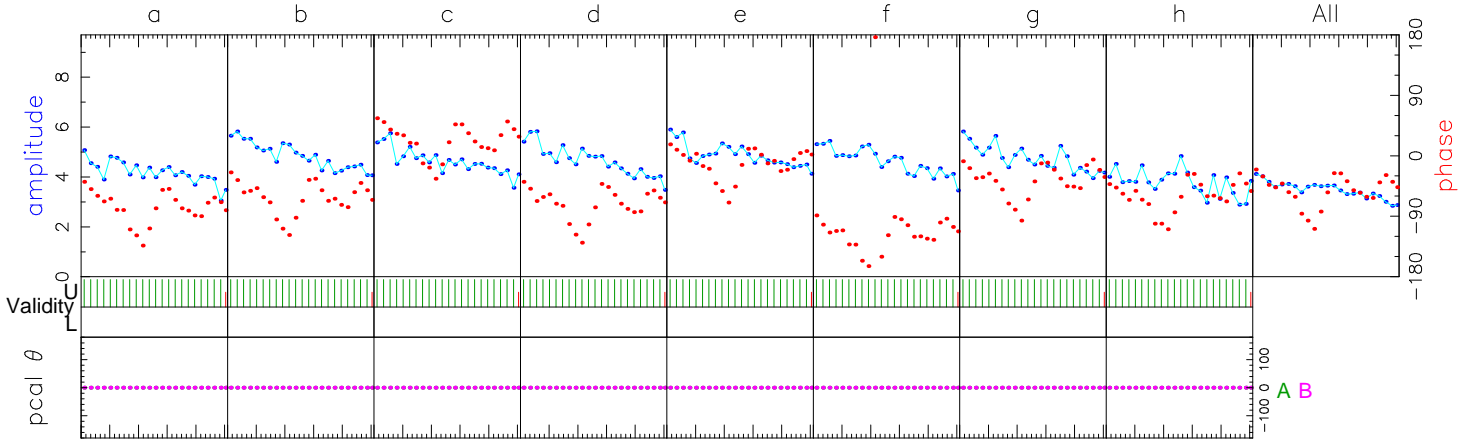


Fringe quality 5

SNR 153.1
Int time 299.979
Amp 3.234
Phase -51.8
PFD 0.0e+00
Delays (us)
SBD -0.003205
MBD 0.005476
Fringe rate (Hz)
0.033804
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512

Exp. c211d
Exper # 16383
Yr:day 2021:116
Start 231500.00
Stop 232000.03
FRT 231730.00
Corr/FF/build
2022:297:145829
2022:298:072446
2022:122:205858
RA & Dec (J2000)
08h54m48.874928s
+20°06'30.640850"

Amp. and Phase vs. time for each freq., 23 segs, 26 APs / seg (13.31 sec / seg.), time ticks 10 sec

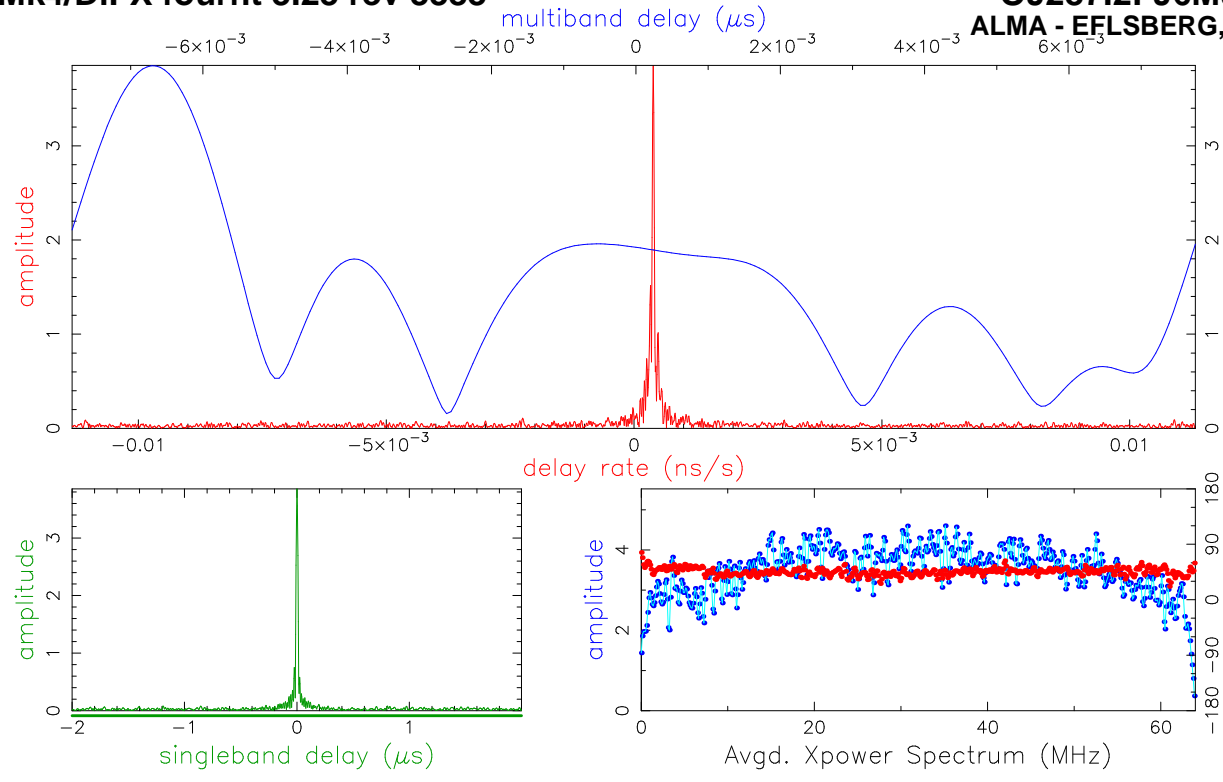


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	-76.1	-61.9	23.3	-71.1	-11.3	-119.6	-36.3	-60.0	Phase	-51.8
	3.9	4.4	4.3	4.3	4.5	4.2	4.4	3.5	Ampl.	4.2
	513.3	512.0	511.5	511.5	511.5	511.5	511.8	512.9	Sbd box	512.2
U/L	586/0	586/0	586/0	586/0	586/0	586/0	586/0	586/0	APs used	
A	0	0	0	0	0	0	0	0	PC freqs	
B	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
A:B	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
A:B	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
A	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
B	1000	1000	1000	1000	1000	1000	1000	1000		
A	W00UX	W01UX	W02UX	W03UX	W04UX	W05UX	W06UX	W07UX	Chan ids	
B	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Tracks	
									Tracks	
Group delay (usec) (SBD)	5.10646992187E+03		Apriori delay (usec)		5.10648007050E+03		Resid mbdelay (usec)		5.47637E-03	+/- 7.1E-06
Sband delay (usec)	5.10647686525E+03		Apriori clock (usec)		-2.0855266E+03		Resid sbdelay (usec)		-3.20525E-03	+/- 5.6E-05
Phase delay (usec)	5.10648006883E+03		Apriori clockrate (us/s)		-1.2300000E-06		Resid phdelay (usec)		-1.66940E-06	+/- 2.4E-08
Delay rate (us/s)	8.41007532329E-01		Apriori rate (us/s)		8.41007139903E-01		Resid rate (us/s)		3.92425E-07	+/- 1.4E-10
Total phase (deg)	46.5		Apriori accel (us/s/s)		-8.30873030966E-05		Resid phase (deg)		-51.8	+/- 0.7

ph/seg (deg) 22.8 1.8 Theor. Amplitude 3.234 +/- 0.021 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 12.7 3.1 Search (2048X32) 3.118 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -2.000 2.000
 ph/frq (deg) 47.0 1.1 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 amp/frq (%) 31.2 1.8 Inc. seg. avg. 3.497 Data rate(MSamp/s): 128 MBpts 32 Amb 0.016 us dr window (ns/s) -0.011 0.011
 Inc. frq. avg. 4.191 Data rate(Mb/s): 2048 nlags: 512 t_cohere infinite ion window (TEC) 0.00 0.00

A: az 357.4 el 46.9 pa 177.4 B: az 273.1 el 23.8 pa 42.6 u,v (fr/asec) -5213.777 -12022.545 simultaneous interpolator

Control file: cf_plain Input file: /Exps/c211d/v2/86ghz/1234/No0006/AB..2FJ6M9 Output file: /Exps/c211d/v2/86ghz/1234/No0006/AB.W.2.2FJ6M9

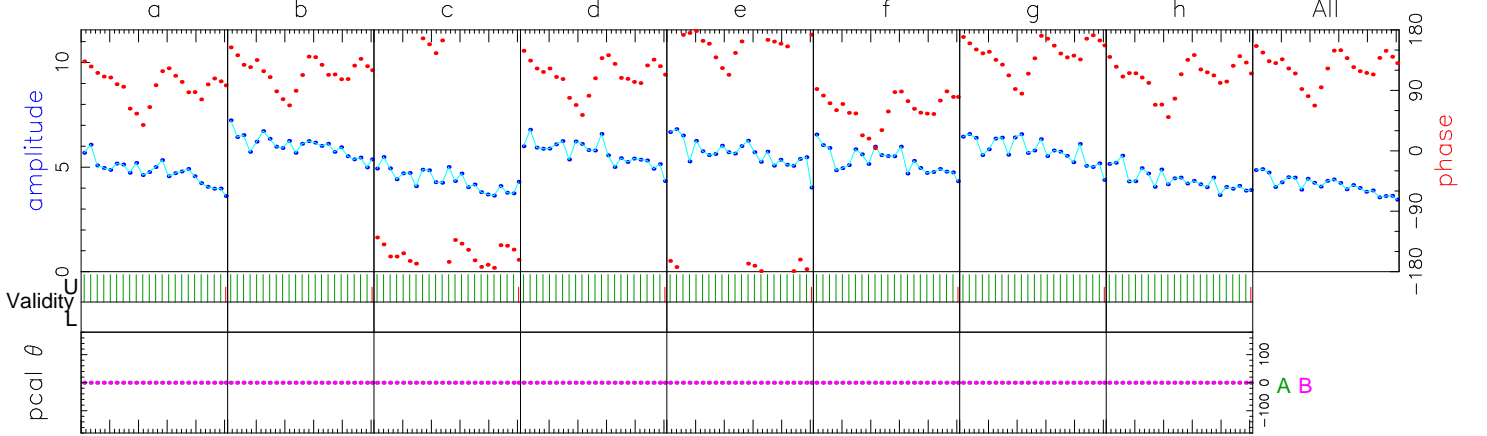


Fringe quality 5

SNR 182.5
Int time 299.979
Amp 3.855
Phase 125.0
PFD 0.0e+00
Delays (us)
SBD 0.000256
MBD -0.006683
Fringe rate (Hz) 0.033796
Ion TEC 0.000
Ref freq (MHz) 86140.0000
AP (sec) 0.512

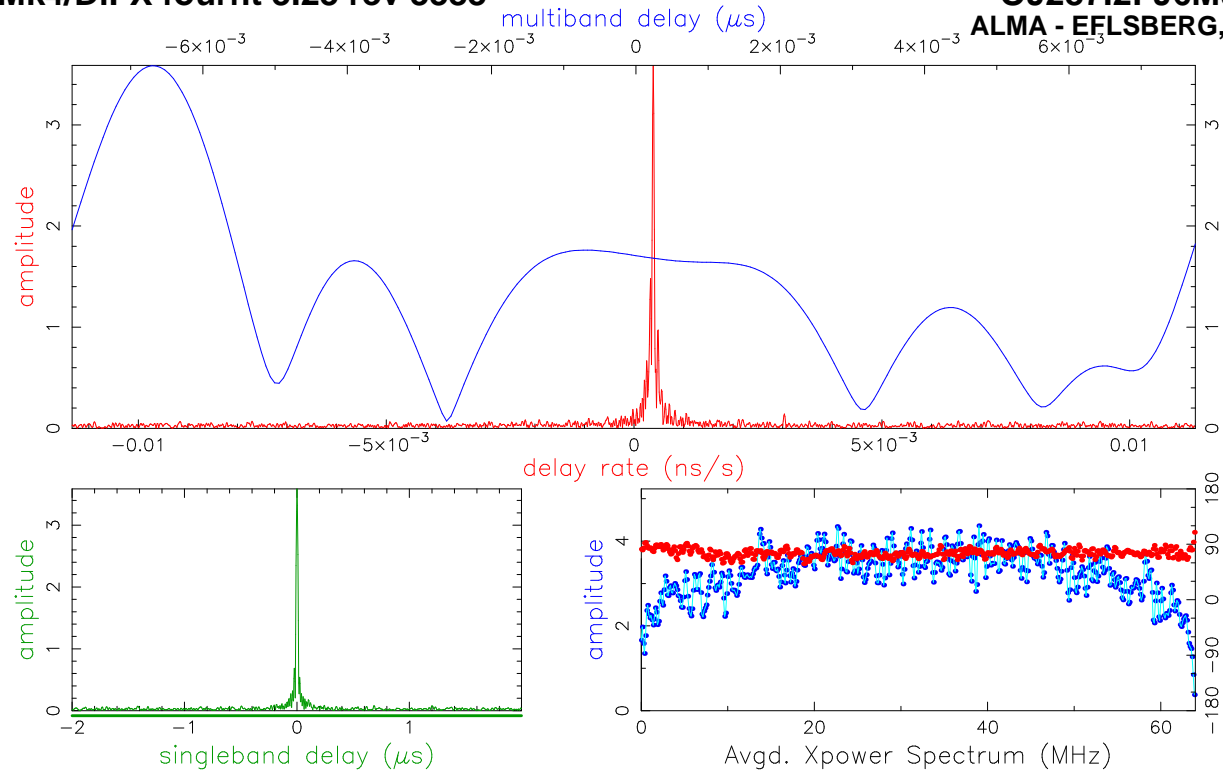
Exp. c211d
Exper # 16383
Yr:day 2021:116
Start 231500.00
Stop 232000.03
FRT 231730.00
Corr/FF/build
2022:297:145829
2022:298:072452
2022:122:205858
RA & Dec (J2000)
08h54m48.874928s
+20°06'30.640850"

Amp. and Phase vs. time for each freq., 23 segs, 26 APs / seg (13.31 sec / seg.), time ticks 10 sec



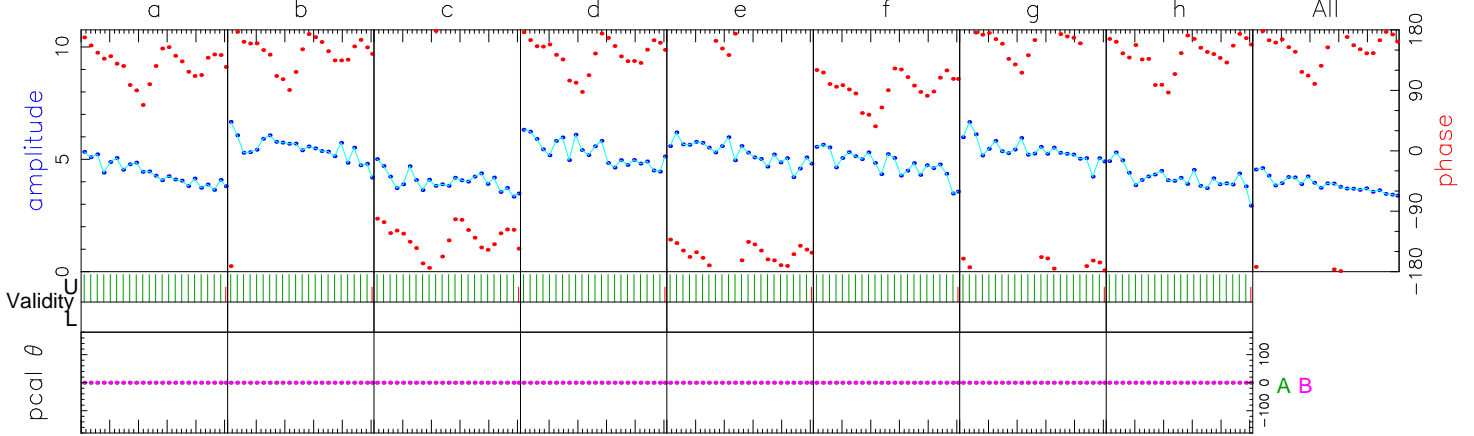
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	97.7	118.1	-161.4	112.6	168.2	62.0	142.7	111.0	Phase	125.0
	4.4	5.6	4.1	5.2	5.3	4.9	5.3	4.0	Ampl.	4.9
	514.6	512.8	512.2	512.5	512.3	512.4	512.5	514.0	Sbd box	513.1
U/L	586/0	586/0	586/0	586/0	586/0	586/0	586/0	586/0	APs used	
A	0	0	0	0	0	0	0	0	PC freqs	
B	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
A:B	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
A:B	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
A	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
B	1000	1000	1000	1000	1000	1000	1000	1000		
A	W00UY	W01UY	W02UY	W03UY	W04UY	W05UY	W06UY	W07UY	Chan ids	
B	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Tracks	
									Tracks	
Group delay (usec) (SBD)	5.10647338737E+03		Apriori delay (usec)		5.10648007050E+03		Resid mbdelay (usec)		-6.68313E-03	+/- 5.9E-06
Sband delay (usec)	5.10648032650E+03		Apriori clock (usec)		-2.0855266E+03		Resid sbdelay (usec)		2.56000E-04	+/- 4.7E-05
Phase delay (usec)	5.10648007453E+03		Apriori clockrate (us/s)		-1.2300000E-06		Resid phdelay (usec)		4.03167E-04	+/- 2.0E-08
Delay rate (us/s)	8.41007532239E-01		Apriori rate (us/s)		8.41007139903E-01		Resid rate (us/s)		3.92335E-07	+/- 1.2E-10
Total phase (deg)	223.3		Apriori accel (us/s/s)		-8.30873030966E-05		Resid phase (deg)		125.0	+/- 0.6

ph/seg (deg) 22.7 1.5 Search (2048X32) 3.718 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 13.0 2.6 Interp. 0.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -2.000 2.000
 ph/frq (deg) 46.0 0.9 Inc. seg. avg. 4.172 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 amp/frq (%) 30.0 1.6 Inc. frq. avg. 4.857 Data rate(MSamp/s): 128 MBpts 32 Amb 0.016 us dr window (ns/s) -0.011 0.011
 A: az 357.4 el 46.9 pa 177.4 B: az 273.1 el 23.8 pa 42.6 u,v (fr/asec) -5213.777 -12022.545 nlags: 512 t_cohere infinite ion window (TEC) 0.00 0.00
 simultaneous interpolator
 Control file: cf_plain Input file: /Exps/c211d/v2/86ghz/1234/No0006/AB..2FJ6M9 Output file: /Exps/c211d/v2/86ghz/1234/No0006/AB.W.4.2FJ6M9



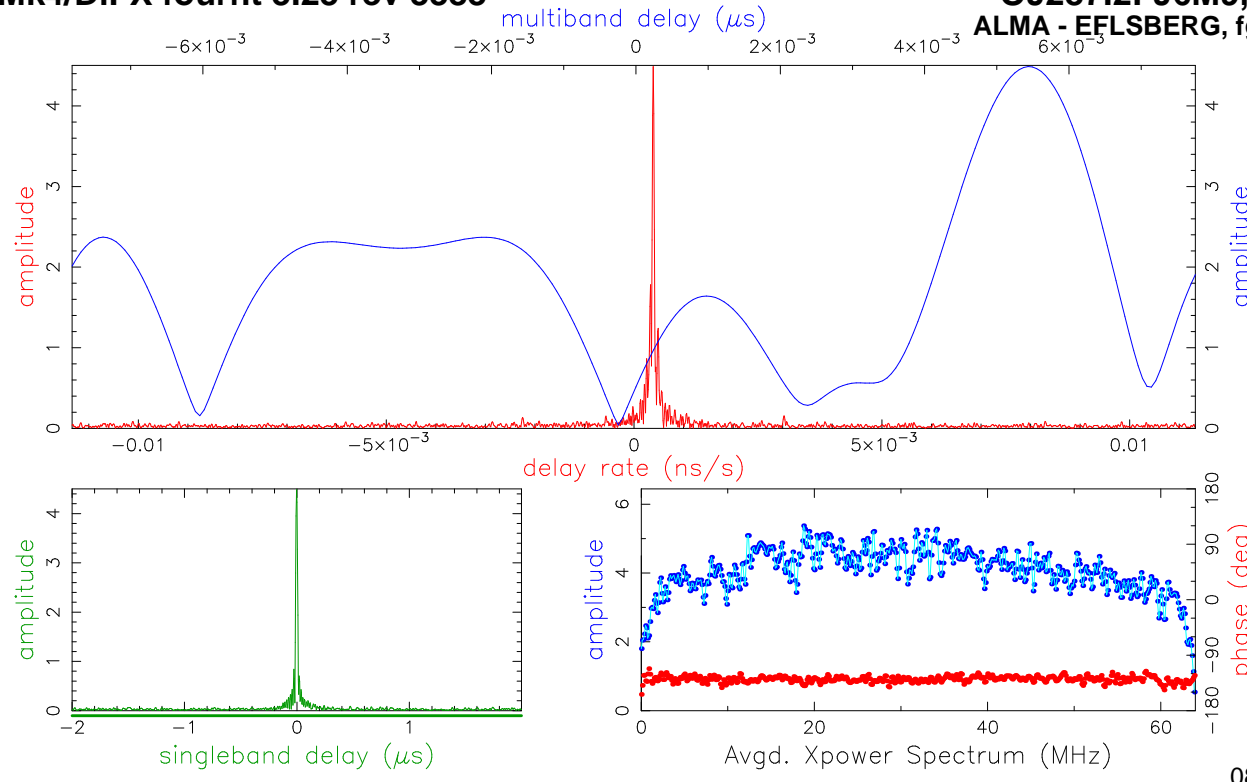
Fringe quality 4
SNR 169.8
Int time 299.979
Amp 3.588
Phase 155.9
PFD 0.0e+00
Delays (us)
SBD 0.000308
MBD -0.006680
Fringe rate (Hz) 0.033880
Ion TEC 0.000
Ref freq (MHz) 86140.0000
AP (sec) 0.512
Exp. c211d
Exper # 16383
Yr:day 2021:116
Start 231500.00
Stop 232000.03
FRT 231730.00
Corr/FF/build
2022:297:145829
2022:298:072458
2022:122:205858
RA & Dec (J2000) 08h54m48.874928s +20°06'30.640850"

Amp. and Phase vs. time for each freq., 23 segs, 26 APs / seg (13.31 sec / seg.), time ticks 10 sec



	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	129.4	148.1	-131.4	144.0	-161.2	93.7	171.5	143.6	Phase	155.9
	4.0	5.0	3.7	4.9	4.9	4.4	5.0	3.8	Ampl.	4.5
	514.6	512.9	512.3	512.6	512.3	512.4	512.5	514.0	Sbd box	513.1
U/L	586/0	586/0	586/0	586/0	586/0	586/0	586/0	586/0	APs used	
A	0	0	0	0	0	0	0	0	PC freqs	
B	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
A:B	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
A:B	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
A	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
B	1000	1000	1000	1000	1000	1000	1000	1000		
A	W00UX	W01UX	W02UX	W03UX	W04UX	W05UX	W06UX	W07UX	Chan ids	
B	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Tracks	
									Tracks	
Group delay (usec) (SBD)	5.10647339053E+03		Apriori delay (usec)		5.10648007050E+03		Resid mbdelay (usec)		-6.67997E-03	+/- 6.4E-06
Sband delay (usec)	5.10648037800E+03		Apriori clock (usec)		-2.0855266E+03		Resid sbdelay (usec)		3.07500E-04	+/- 5.1E-05
Phase delay (usec)	5.10648007553E+03		Apriori clockrate (us/s)		-1.2300000E-06		Resid phdelay (usec)		5.02837E-06	+/- 2.2E-08
Delay rate (us/s)	8.41007533214E-01		Apriori rate (us/s)		8.41007139903E-01		Resid rate (us/s)		3.93310E-07	+/- 1.3E-10
Total phase (deg)	254.2		Apriori accel (us/s/s)		-8.30873030966E-05		Resid phase (deg)		155.9	+/- 0.7

ph/seg (deg) 23.0 1.6 Search (2048X32) 3.444 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
amp/seg (%) 12.4 2.8 Interp. 0.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -2.000 2.000
ph/frq (deg) 45.2 1.0 Inc. seg. avg. 3.893 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
amp/frq (%) 28.6 1.7 Inc. frq. avg. 4.479 Data rate(MSamp/s): 128 MBpts 32 Amb 0.016 us dr window (ns/s) -0.011 0.011
Data rate(Mb/s): 2048 nlags: 512 t_cohere infinite ion window (TEC) 0.00 0.00
A: az 357.4 el 46.9 pa 177.4 B: az 273.1 el 23.8 pa 42.6 u,v (fr/asec) -5213.777 -12022.545 simultaneous interpolator
Control file: cf_plain Input file: /Exps/c211d/v2/86ghz/1234/No0006/AB..2FJ6M9 Output file: /Exps/c211d/v2/86ghz/1234/No0006/AB.W.5.2FJ6M9

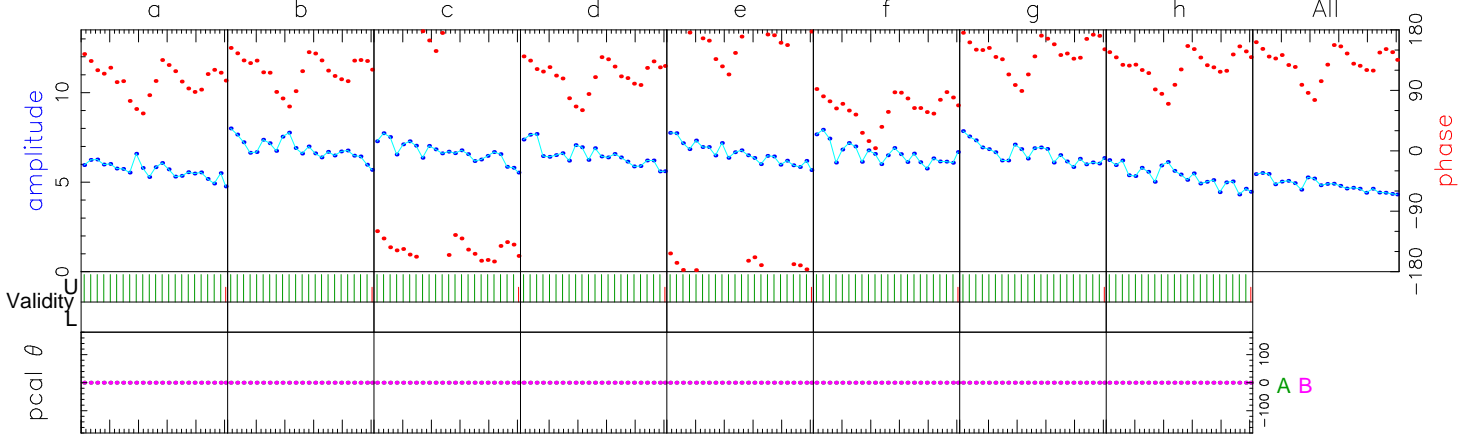


Fringe quality 5

SNR 213.2
Int time 299.979
Amp 4.503
Phase 131.2
PFD 0.0e+00
Delays (us)
SBD -0.003198
MBD 0.005465
Fringe rate (Hz)
0.033811
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512

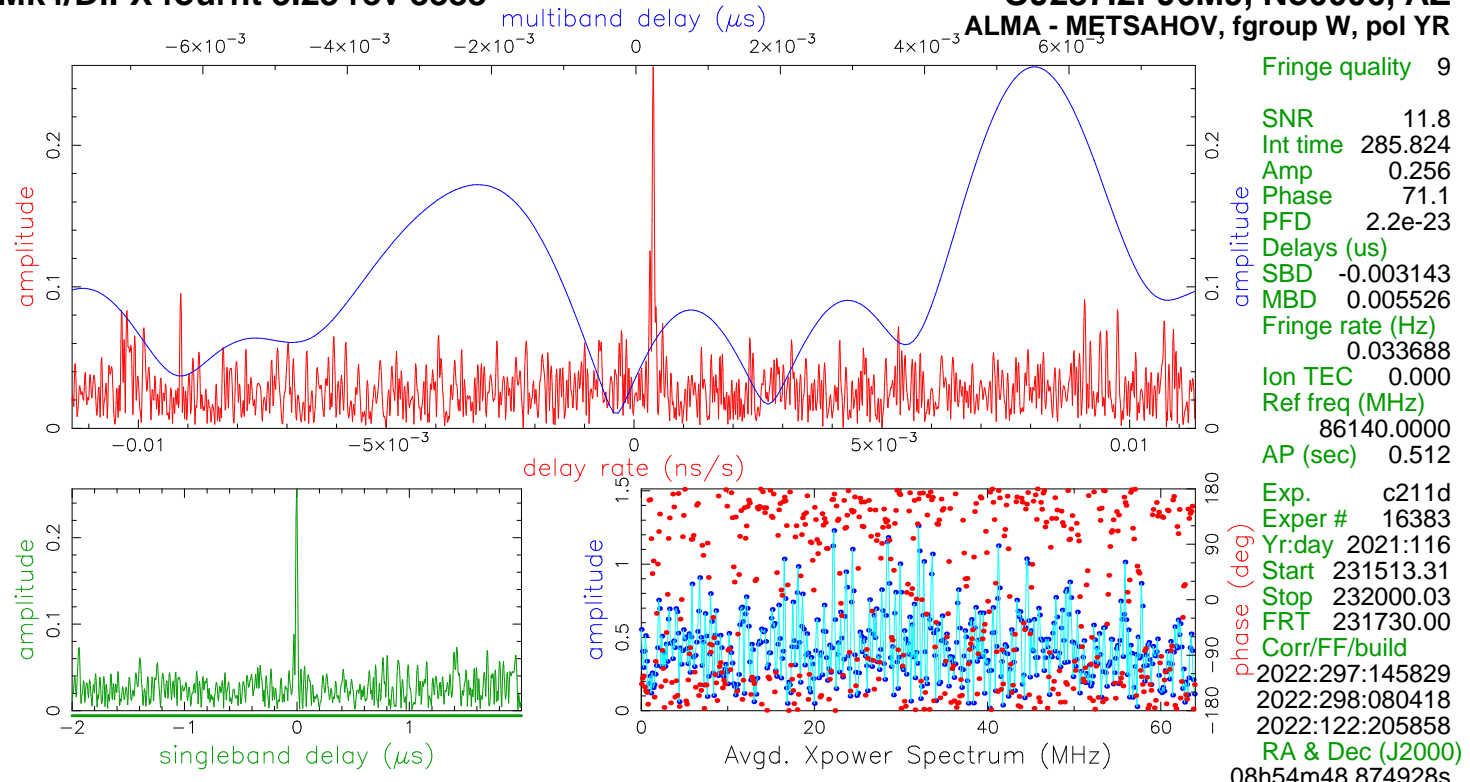
Exp. c211d
Exper # 16383
Yr:day 2021:116
Start 231500.00
Stop 232000.03
FRT 231730.00
Corr/FF/build
2022:297:145829
2022:298:072504
2022:122:205858
RA & Dec (J2000)
08h54m48.874928s
+20°06'30.640850"

Amp. and Phase vs. time for each freq., 23 segs, 26 APs / seg (13.31 sec / seg.), time ticks 10 sec

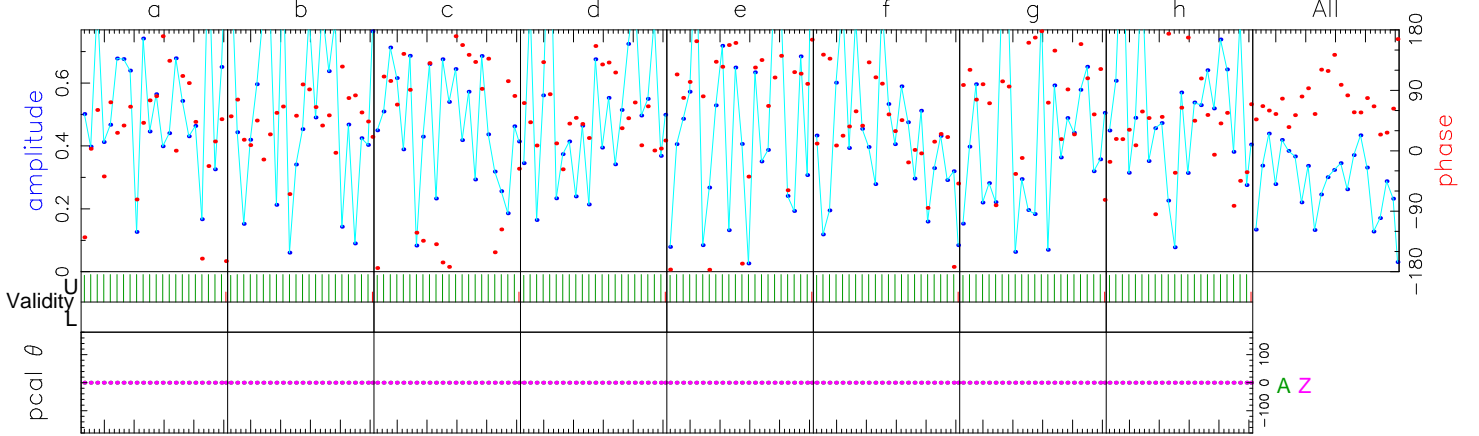


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	106.1	120.1	-153.7	112.5	172.6	63.3	145.8	125.0	Phase	131.2
	5.3	6.3	6.2	6.0	6.1	6.1	6.1	4.9	Ampl.	5.9
	513.2	512.1	511.5	511.5	511.5	511.6	511.8	513.0	Sbd box	512.2
U/L	586/0	586/0	586/0	586/0	586/0	586/0	586/0	586/0	APs used	
A	0	0	0	0	0	0	0	0	PC freqs	
B	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
A:B	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
A:B	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
A	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
B	1000	1000	1000	1000	1000	1000	1000	1000		
A	W00UY	W01UY	W02UY	W03UY	W04UY	W05UY	W06UY	W07UY	Chan ids	
B	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Tracks	
									Tracks	
Group delay (usec) (SBD)	5.10646991074E+03		Apriori delay (usec)		5.10648007050E+03		Resid mbdelay (usec)		5.46524E-03	+/- 5.1E-06
Sband delay (usec)	5.10647687225E+03		Apriori clock (usec)		-2.0855266E+03		Resid sbdelay (usec)		-3.19825E-03	+/- 4.0E-05
Phase delay (usec)	5.10648007473E+03		Apriori clockrate (us/s)		-1.2300000E-06		Resid phdelay (usec)		4.23063E-06	+/- 1.7E-08
Delay rate (us/s)	8.41007532413E-01		Apriori rate (us/s)		8.41007139903E-01		Resid rate (us/s)		3.92510E-07	+/- 1.0E-10
Total phase (deg)	229.5		Apriori accel (us/s/s)		-8.30873030966E-05		Resid phase (deg)		131.2	+/- 0.5

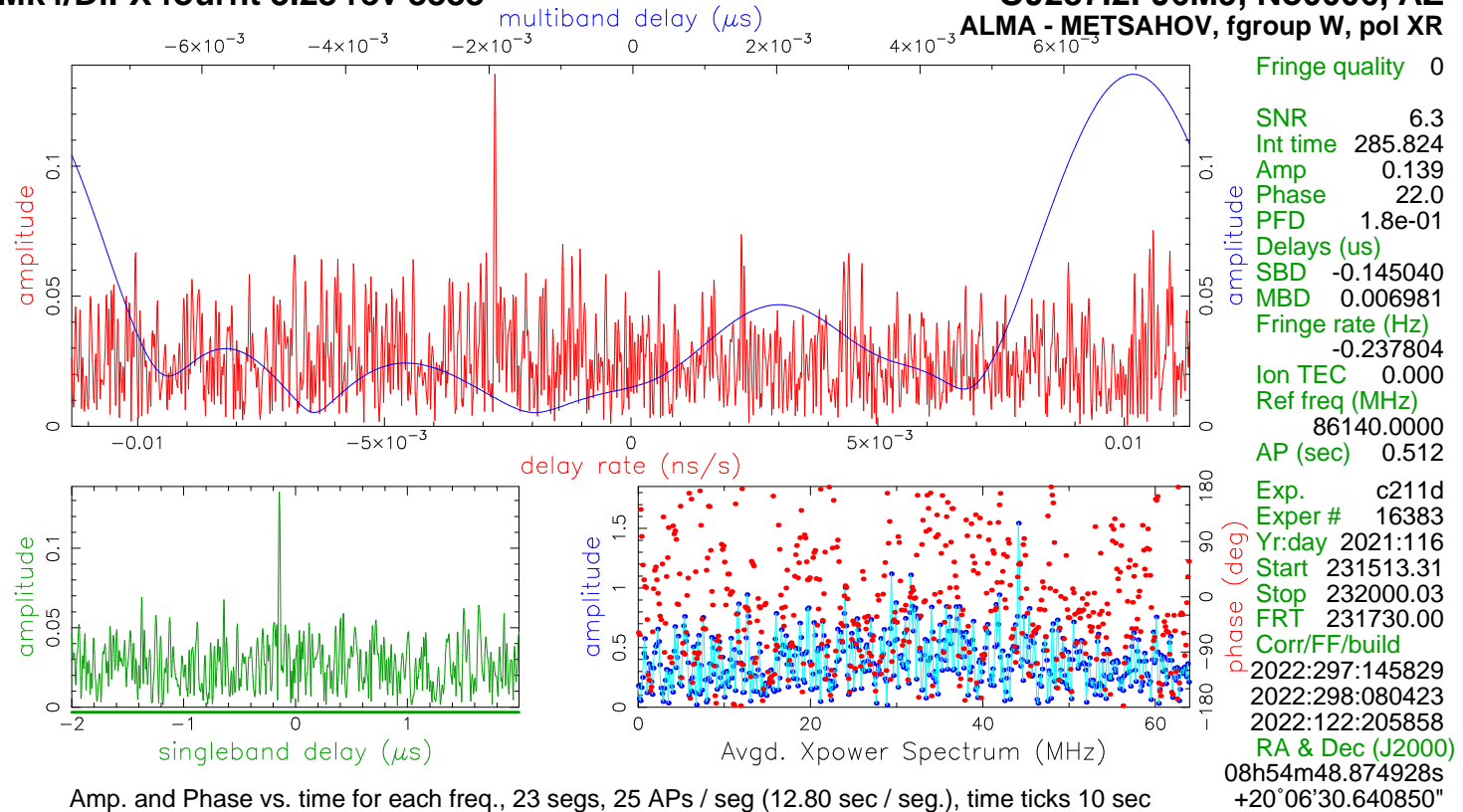
ph/seg (deg) 22.3 1.3 Search (2048X32) 4.337 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 11.1 2.2 Interp. 0.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -2.000 2.000
 ph/frq (deg) 47.1 0.8 Inc. seg. avg. 4.855 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 amp/frq (%) 32.2 1.3 Inc. frq. avg. 5.875 Data rate(MSamp/s): 128 MBpts 32 Amb 0.016 us dr window (ns/s) -0.011 0.011
 A: az 357.4 el 46.9 pa 177.4 B: az 273.1 el 23.8 pa 42.6 u,v (fr/asec) -5213.777 -12022.545 nlags: 512 t_cohere infinite ion window (TEC) 0.00 0.00
 Control file: cf_plain Input file: /Exps/c211d/v2/86ghz/1234/No0006/AB..2FJ6M9 Output file: /Exps/c211d/v2/86ghz/1234/No0006/AB.W.7.2FJ6M9 simultaneous interpolator



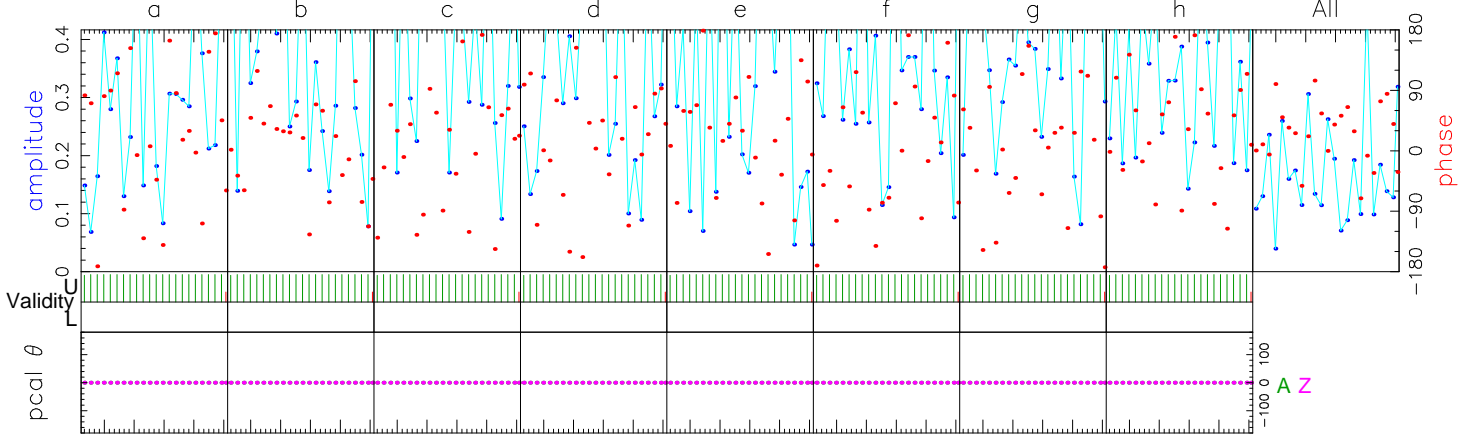
Amp. and Phase vs. time for each freq., 23 segs, 25 APs / seg (12.80 sec / seg.), time ticks 10 sec



	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
47.7	46.8	140.5	59.0	130.5	39.7	106.1	28.8	28.8	Phase	71.1
0.3	0.4	0.3	0.4	0.4	0.3	0.3	0.3	0.3	Ampl.	0.3
513.2	512.3	512.3	511.4	511.6	511.8	511.3	512.4	512.4	Sbd box	512.2
U/L	560/0	560/0	560/0	560/0	560/0	560/0	560/0	560/0	APs used	
A	0	0	0	0	0	0	0	0	PC freqs	
Z	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
A:Z	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
A:Z	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
A	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
Z	1000	1000	1000	1000	1000	1000	1000	1000		
A	W00UY	W01UY	W02UY	W03UY	W04UY	W05UY	W06UY	W07UY	Chan ids	
Z	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Tracks	
									Chan ids	
									Tracks	
Group delay (usec) (SBD)	8.01433728726E+03		Apriori delay (usec)		8.01434738633E+03		Resid mbdelay (usec)	5.52593E-03	+/-	9.2E-05
Sband delay (usec)	8.01434424383E+03		Apriori clock (usec)		-2.1068745E+03		Resid sbdelay (usec)	-3.14250E-03	+/-	7.3E-04
Phase delay (usec)	8.01434738862E+03		Apriori clockrate (us/s)		-1.2460000E-06		Resid phdelay (usec)	2.29415E-06	+/-	3.1E-07
Delay rate (us/s)	6.57862081405E-01		Apriori rate (us/s)		6.57861690326E-01		Resid rate (us/s)	3.91079E-07	+/-	1.9E-09
Total phase (deg)		20.2	Apriori accel (us/s/s)		-1.02381903838E-04		Resid phase (deg)	71.1	+/-	9.7
RMS	31.5	Theor. 23.2	Amplitude	0.256 +/- 0.022		Pcal mode: MANUAL, MANUAL		PC period (AP's)	5, 5	
ph/seg (deg)	40.6	40.5	Search (2048X32)	0.250		Pcal rate: 0.000E+00, 0.000E+00 (us/s)		sb window (us)	-2.000 2.000	
amp/seg (%)	47.7	13.7	Interp.	0.000		Bits/sample: 2x2		SampCntNorm: enabled	mb window (us)	-0.008 0.008
ph/frq (deg)	37.7	23.9	Inc. seg. avg.	0.269		Data rate(MSamp/s): 128 MBpts 32 Amb 0.016 us		dr window (ns/s)	-0.011 0.011	
amp/frq (%)			Inc. frq. avg.	0.326		Data rate(Mb/s): 2048		nlags: 512 t_cohere infinite	ion window (TEC)	0.00 0.00
A: az 357.4 el 46.9 pa 177.4		Z: az 283.7 el 15.3 pa 30.9		u, v (fr/asec)	-4119.968 -13380.411					simultaneous interpolator



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

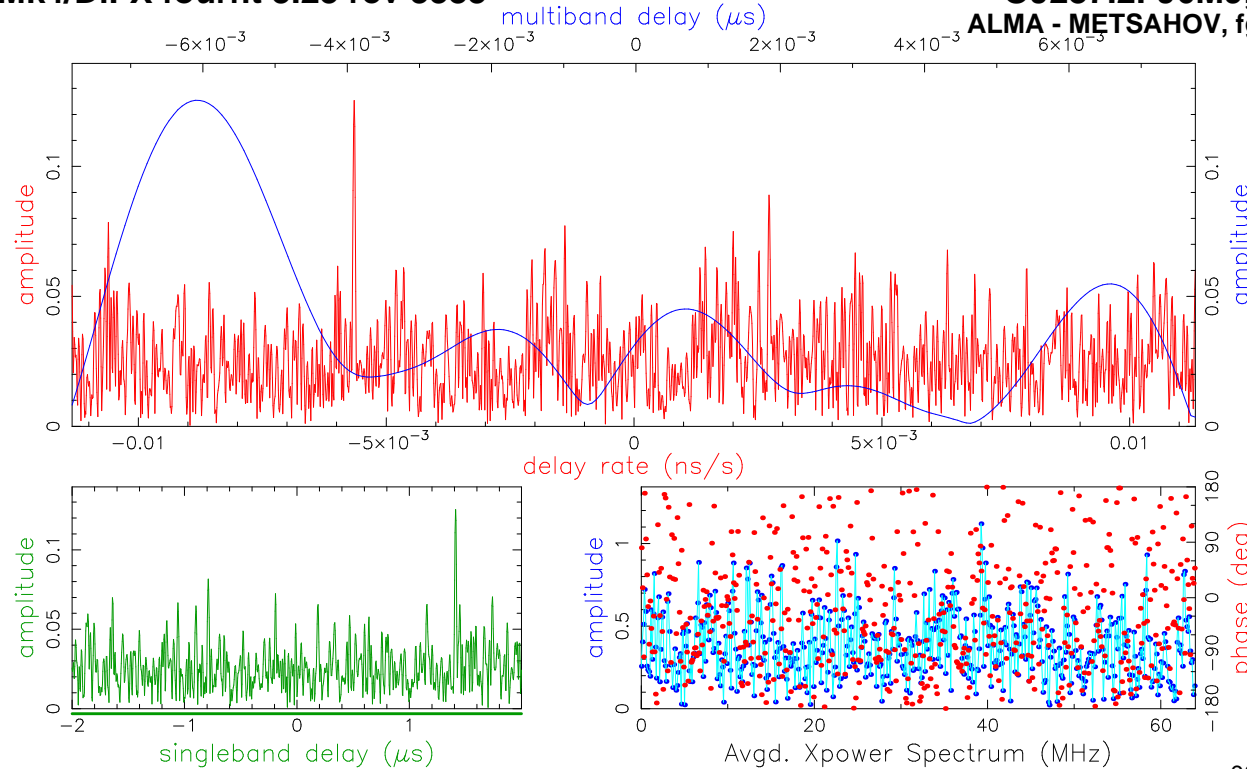


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
38.2	14.8	16.3	37.8	21.2	4.4	14.7	35.8		Phase	22.0
0.1	0.3	0.1	0.2	0.2	0.1	0.1	0.1		Ampl.	0.1
617.4	475.6	389.1	795.2	7.7	889.5	907.4	863.8		Sbd box	475.9
U/L	560/0	560/0	560/0	560/0	560/0	560/0	560/0		APs used	
A	0	0	0	0	0	0	0		PC freqs	
Z	1000	1000	1000	1000	1000	1000	1000		PC freqs	
A:Z	0:0	0:0	0:0	0:0	0:0	0:0	0:0		PC phase	
A:Z	0:0	0:0	0:0	0:0	0:0	0:0	0:0		Manl PC	
A	1000	1000	1000	1000	1000	1000	1000		PC amp	
Z	1000	1000	1000	1000	1000	1000	1000			
A	W00UX	W01UX	W02UX	W03UX	W04UX	W05UX	W06UX	W07UX	Chan ids	
Z	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Tracks	
									Chan ids	
									Tracks	
Group delay (usec) (SBD)	8.01419811782E+03		Apriori delay (usec)		8.01434738633E+03		Resid mbdelay (usec)		6.98149E-03	+/- 1.7E-04
Sband delay (usec)	8.01420234608E+03		Apriori clock (usec)		-2.1068745E+03		Resid sbdelay (usec)		-1.45040E-01	+/- 1.4E-03
Phase delay (usec)	8.01434738704E+03		Apriori clockrate (us/s)		-1.2460000E-06		Resid phdelay (usec)		7.09354E-07	+/- 5.9E-07
Delay rate (us/s)	6.57858929656E-01		Apriori rate (us/s)		6.57861690326E-01		Resid rate (us/s)		-2.76067E-06	+/- 3.6E-09
Total phase (deg)		331.0	Apriori accel (us/s/s)		-1.02381903838E-04		Resid phase (deg)		22.0	+/- 18.3

ph/seg (deg) 45.3 43.9 Search (2048X32) 0.133 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 73.1 76.6 Interp. 0.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -2.000 2.000
 ph/frq (deg) 13.8 25.9 Inc. seg. avg. 0.135 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 amp/frq (%) 44.1 45.2 Inc. frq. avg. 0.128 Data rate(MSamp/s): 128 MBpts 32 Amb 0.016 us dr window (ns/s) -0.011 0.011
 Data rate(Mb/s): 2048 nlags: 512 t_cohere infinite ion window (TEC) 0.00 0.00

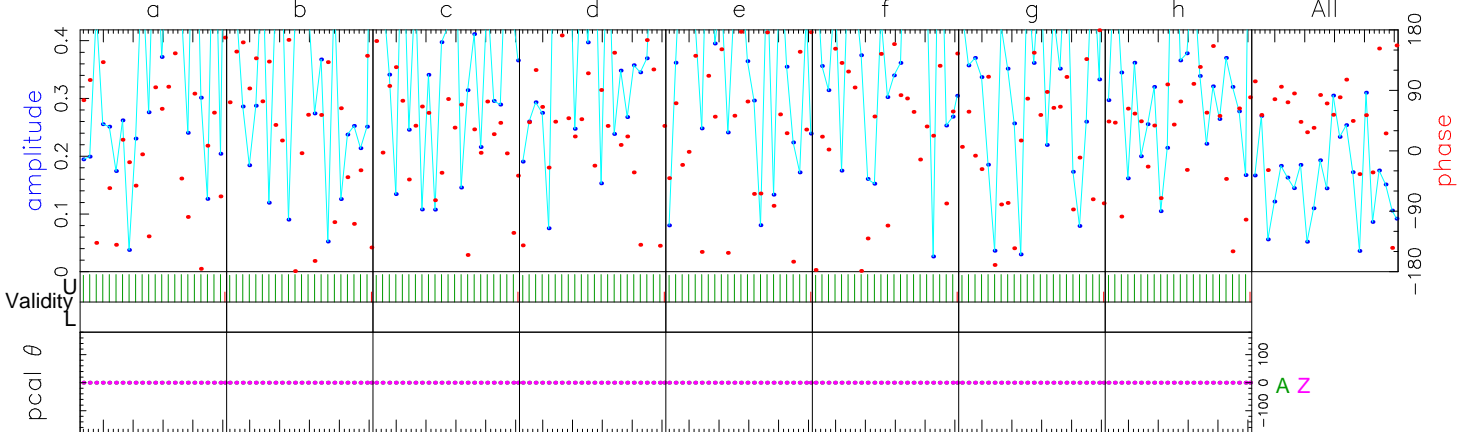
A: az 357.4 el 46.9 pa 177.4 Z: az 283.7 el 15.3 pa 30.9 u,v (fr/asec) -4119.968 -13380.411 simultaneous interpolator

Control file: cf_plain Input file: /Exps/c211d/v2/86ghz/1234/No0006/AZ..2FJ6M9 Output file: /Exps/c211d/v2/86ghz/1234/No0006/AZ.W.11.2FJ6M9



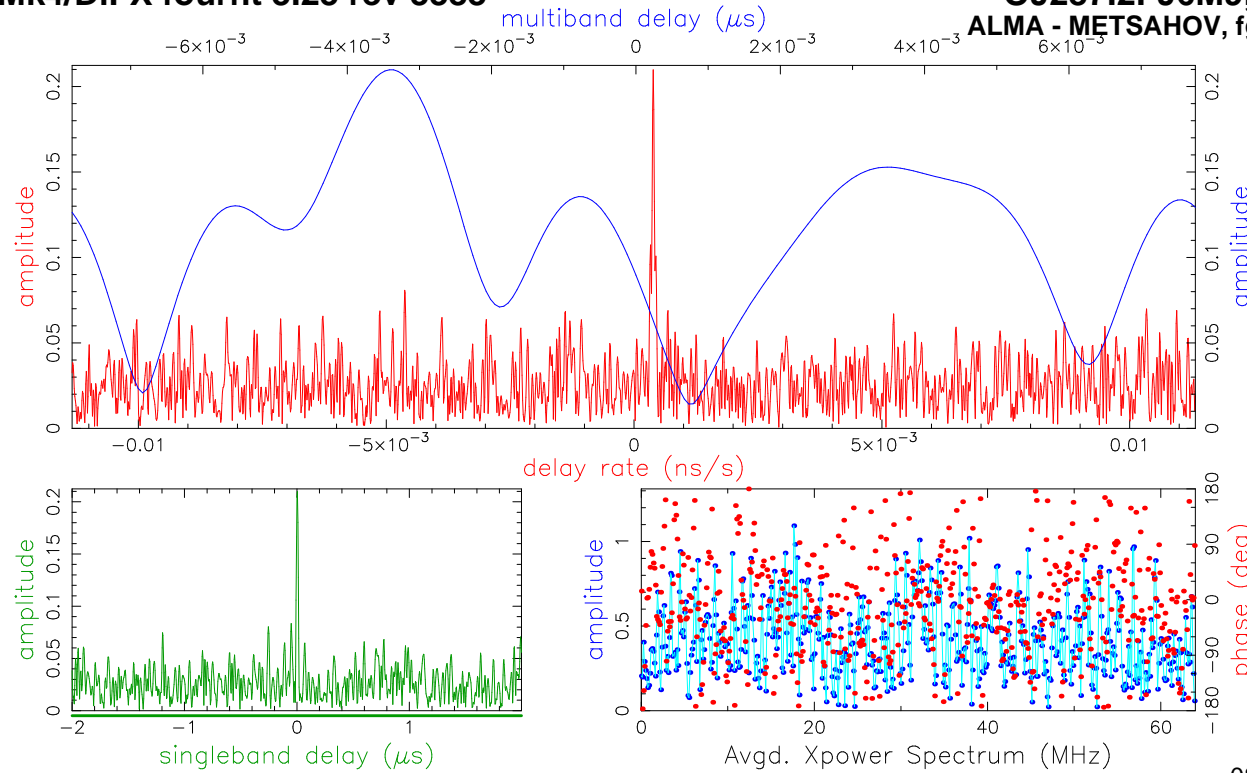
Fringe quality 0
SNR 5.8
Int time 285.824
Amp 0.140
Phase 68.7
PFD 9.5e-01
Delays (us)
SBD 1.410904
MBD -0.006037
Fringe rate (Hz)
-0.486839
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512
Exp. c211d
Exper # 16383
Yr:day 2021:116
Start 231513.31
Stop 232000.03
FRT 231730.00
Corr/FF/build
2022:297:145829
2022:298:080429
2022:122:205858
RA & Dec (J2000)
08h54m48.874928s
+20°06'30.640850"

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



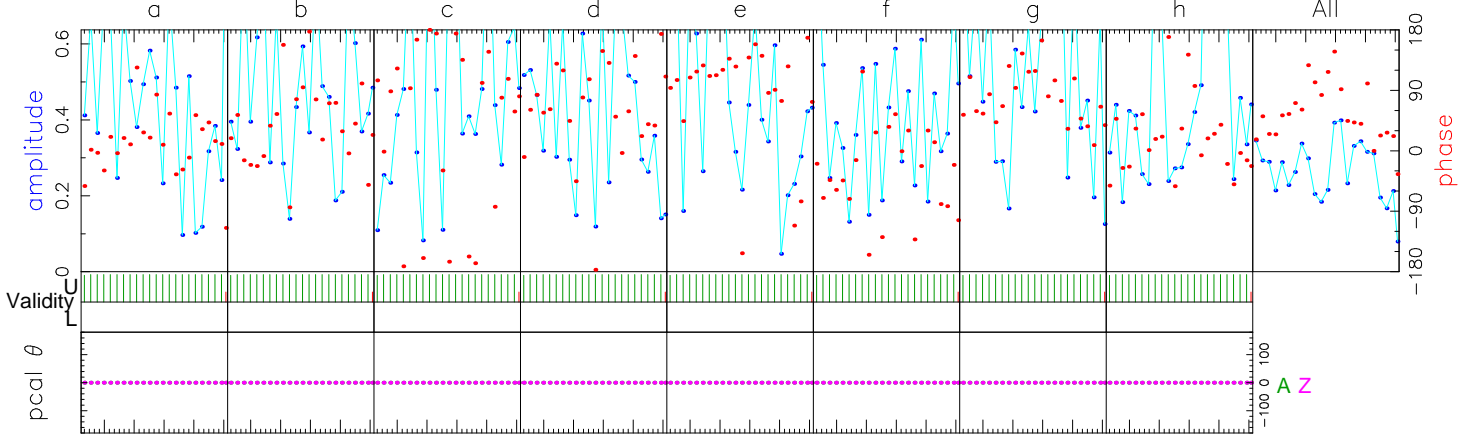
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	86140.00	All
82.5	81.5	40.9	61.9	88.8	103.3	45.0	51.4	68.7		68.7
0.1	0.1	0.2	0.2	0.1	0.2	0.1	0.2	0.1		0.1
623.6	781.3	875.1	465.0	738.9	4.4	975.7	34.0	874.2		874.2
U/L	560/0	560/0	560/0	560/0	560/0	560/0	560/0	560/0		
A	0	0	0	0	0	0	0	0		
Z	1000	1000	1000	1000	1000	1000	1000	1000		
A:Z	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
A:Z	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
A	1000	1000	1000	1000	1000	1000	1000	1000		
Z	1000	1000	1000	1000	1000	1000	1000	1000		
A	W00UY	W01UY	W02UY	W03UY	W04UY	W05UY	W06UY	W07UY		
Z	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL		
Group delay (usec) (SBD)	8.01576322396E+03		Apriori delay (usec)		8.01434738633E+03		Resid mbdelay (usec)		-6.03737E-03	+/- 1.9E-04
Sband delay (usec)	8.015758229008E+03		Apriori clock (usec)		-2.1068745E+03		Resid sbdelay (usec)		1.41090E+00	+/- 1.5E-03
Phase delay (usec)	8.01434738854E+03		Apriori clockrate (us/s)		-1.2460000E-06		Resid phdelay (usec)		2.21380E-06	+/- 6.4E-07
Delay rate (us/s)	6.57856038606E-01		Apriori rate (us/s)		6.57861690326E-01		Resid rate (us/s)		-5.65172E-06	+/- 3.8E-09
Total phase (deg)	17.7		Apriori accel (us/s/s)		-1.02381903838E-04		Resid phase (deg)		68.7	+/- 19.7

ph/seg (deg) 56.9 47.2 Search (2048X32) 0.122 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 66.5 82.5 Interp. 0.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -2.000 2.000
 ph/frq (deg) 24.6 27.9 Inc. seg. avg. 0.135 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 amp/frq (%) 32.2 48.6 Inc. frq. avg. 0.135 Data rate(MSamp/s): 128 MBpts 32 Amb 0.016 us dr window (ns/s) -0.011 0.011
 A: az 357.4 el 46.9 pa 177.4 Z: az 283.7 el 15.3 pa 30.9 u,v (fr/asec) -4119.968 -13380.411 simultaneous interpolator
 Control file: cf_plain Input file: /Exps/c211d/v2/86ghz/1234/No0006/AZ..2FJ6M9 Output file: /Exps/c211d/v2/86ghz/1234/No0006/AZ.W.12.2FJ6M9



Fringe quality 9
SNR 9.8
Int time 285.824
Amp 0.212
Phase 59.8
PFD 8.1e-14
Delays (us)
SBD 0.002463
MBD -0.003416
Fringe rate (Hz)
0.033458
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512
Exp. c211d
Exper # 16383
Yr:day 2021:116
Start 231513.31
Stop 232000.03
FRT 231730.00
Corr/FF/build
2022:297:145829
2022:298:080412
2022:122:205858
RA & Dec (J2000)
08h54m48.874928s
+20°06'30.640850"

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



	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	11.4	30.8	148.3	73.4	120.0	-17.0	83.9	13.9	Phase	59.8
	0.3	0.3	0.3	0.3	0.4	0.2	0.4	0.4	Ampl.	0.3
	514.4	514.3	513.5	513.0	513.2	512.5	513.0	514.1	Sbd box	513.6
U/L	560/0	560/0	560/0	560/0	560/0	560/0	560/0	560/0	APs used	
A	0	0	0	0	0	0	0	0	PC freqs	
Z	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
A:Z	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
A:Z	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
A	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
Z	1000	1000	1000	1000	1000	1000	1000	1000		
A	W00UX	W01UX	W02UX	W03UX	W04UX	W05UX	W06UX	W07UX	Chan ids	
Z	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Tracks	
									Tracks	
Group delay (usec) (SBD)	8.01434396998E+03		Apriori delay (usec)		8.01434738633E+03		Resid mbdelay (usec)		-3.41635E-03	+/- 1.1E-04
Sband delay (usec)	8.01434984908E+03		Apriori clock (usec)		-2.1068745E+03		Resid sbdelay (usec)		2.46275E-03	+/- 8.8E-04
Phase delay (usec)	8.01434738826E+03		Apriori clockrate (us/s)		-1.2460000E-06		Resid phdelay (usec)		1.92871E-06	+/- 3.8E-07
Delay rate (us/s)	6.57862078742E-01		Apriori rate (us/s)		6.57861690326E-01		Resid rate (us/s)		3.88416E-07	+/- 2.3E-09
Total phase (deg)	8.9		Apriori accel (us/s/s)		-1.02381903838E-04		Resid phase (deg)		59.8	+/- 11.7

RMS Theor. Amplitude 0.212 +/- 0.022
ph/seg (deg) 40.5 28.0 Search (2048X32) 0.209 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
amp/seg (%) 43.5 48.9 Interp. 0.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -2.000 2.000
ph/frq (deg) 62.5 16.5 Inc. seg. avg. 0.243 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
amp/frq (%) 63.9 28.8 Inc. frq. avg. 0.320 Data rate(Mb/s): 128 MBpts 32 Amb 0.016 us dr window (ns/s) -0.011 0.011
Data rate(Mb/s): 2048 nlags: 512 t_cohere infinite ion window (TEC) 0.00 0.00
A: az 357.4 el 46.9 pa 177.4 Z: az 283.7 el 15.3 pa 30.9 u,v (fr/asec) -4119.968 -13380.411 simultaneous interpolator
Control file: cf_plain Input file: /Exps/c211d/v2/86ghz/1234/No0006/AZ..2FJ6M9 Output file: /Exps/c211d/v2/86ghz/1234/No0006/AZ.W.9.2FJ6M9