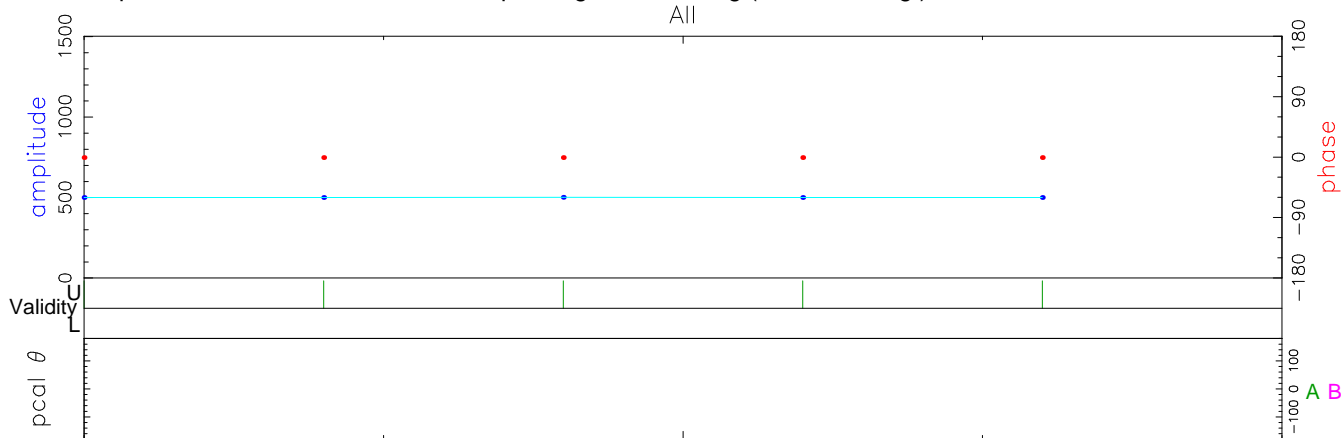


Fringe quality 9  
 Error code H  
 SNR 685.0  
 Int time 4.000  
 Amp 501.041  
 Phase -0.6  
 PFD 0.0e+00  
 Delays (us)  
 SBD 0.000320  
 MBD 0.000000  
 Fringe rate (Hz)  
 -0.000013  
 Ion TEC 0.00  
 Ref freq (MHz)  
 100000.0000  
 AP (sec) 0.800  
 Exp. h4  
 Exper # 7000  
 Yr:day 2012:187  
 Start 180503.00  
 Stop 180507.00  
 FRT 180505.00  
 Corr/FF/build  
 2012:186:181155  
 2012:187:181155  
 2012:187:083214  
 RA & Dec (J2000)  
 03h00m 0.0000s  
 +81°00' 0.000"

Amp. and Phase vs. time for each freq., 5 segs, 1 APs / seg (0.80 sec / seg.), time ticks 1 sec



100000.00  
 -0.6  
 501.0  
 65.0  
 U/L 5/0  
 A 0  
 B 0  
 A:B -90:-90  
 A:B 0:0  
 A 0  
 B 0  
 A W00U  
 B W00U

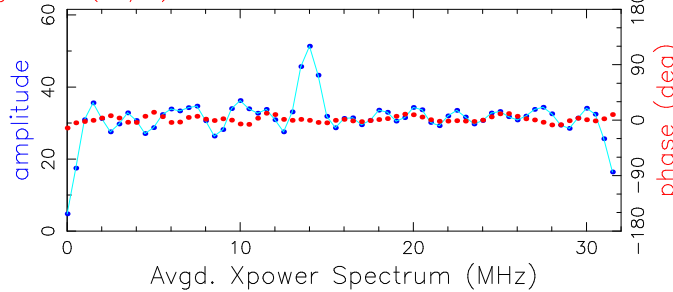
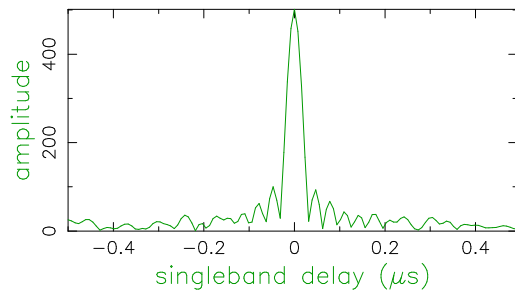
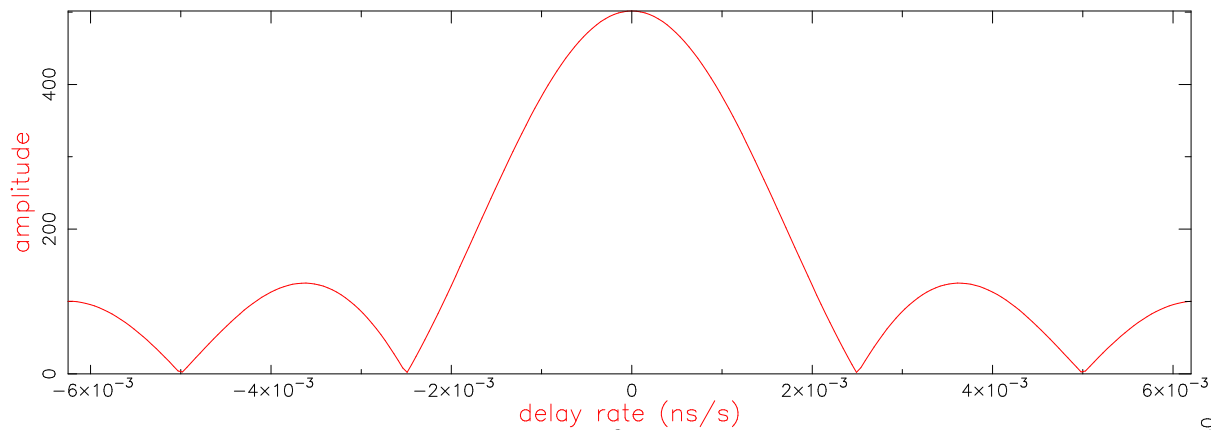
Freq (MHz)  
 Phase  
 Ampl.  
 Sbd box  
 APs used  
 PC freqs  
 PC freqs  
 PC phase  
 Manl PC  
 PC amp  
 Chan ids  
 Chan ids

Group delay (usec)	0.0000000000E+00	Apriori delay (usec)	0.0000000000E+00	Resid mbdelay (usec)	0.00000E+00	+/-	2.5E-05
Sband delay (usec)	3.20002354049E-04	Apriori clock (usec)	0.0000000E+00	Resid sbdelay (usec)	3.20002E-04	+/-	2.5E-05
Phase delay (usec)	-1.75450647903E-08	Apriori clockrate (us/s)	0.0000000E+00	Resid phdelay (usec)	-1.75451E-08	+/-	4.6E-09
Delay rate (us/s)	-1.26821148201E-10	Apriori rate (us/s)	0.0000000000E+00	Resid rate (us/s)	-1.26821E-10	+/-	2.0E-09
Total phase (deg)	-0.6	Apriori accel (us/s/s)	0.0000000000E+00	Resid phase (deg)	-0.6	+/-	0.2
RMS	Theor.	Amplitude	501.041 +/- 0.731	Pcal mode: NORMAL, NORMAL	Pcal period (AP's)	9999, 9999	
ph/seg (deg)	0.0	Search (16X8)	500.962	Pcal rate: -5.000E-04, -5.000E-04 (us/s)	sb window (us)	-0.500	0.500
amp/seg (%)	0.0	Interp.	500.962	Bits/sample: 2	SampCntNorm: disabled	mb window (us)	-0.000
ph/frq (deg)	0.0	Inc. seg. avg.	501.039	Sample rate(MSamp/s): 64	dr window (ns/s)	-0.006	0.006
amp/frq (%)	0.0	Inc. frq. avg.	501.041	Data rate(Mb/s): 128	nlags: 64	t_cohere infinite	ion window (TEC)
						0.00	0.00

A: az 347.8 el 43.8 pa 94.6 B: az 347.8 el 43.8 pa 94.6 u,v (fr/asec) 0.000 0.000

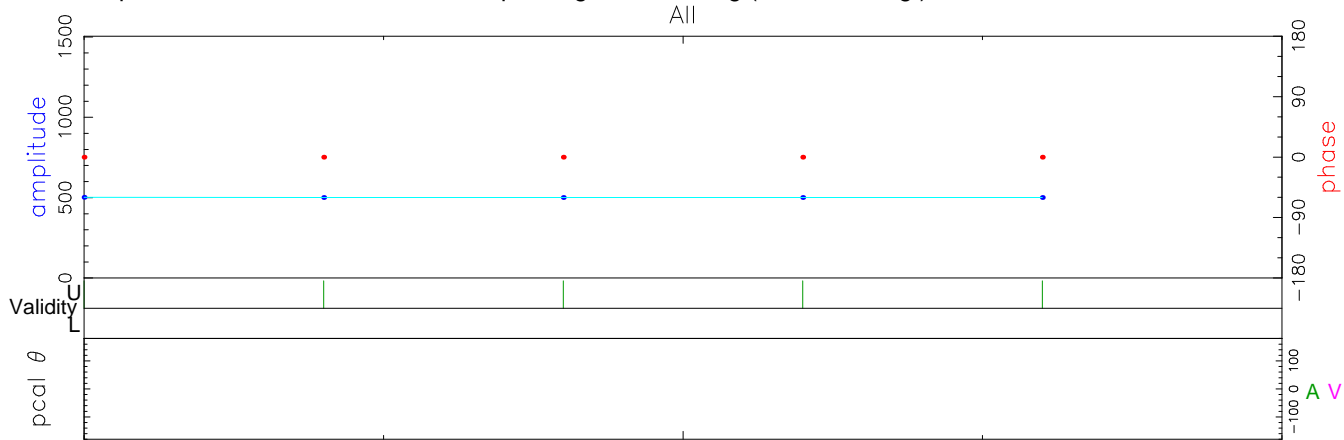
iterative interpolator

Control file: cf-7000 Input file: /data-sc01/gbc/alma/h4-7000/7000/187-1805/AB..wgnvoc Output file: /data-sc01/gbc/alma/h4-7000/7000/187-1805/AB.W.1.wgnvoc



Fringe quality 9  
Error code H  
SNR 685.8  
Int time 4.000  
Amp 501.635  
Phase -0.2  
PFD 0.0e+00  
Delays (us)  
SBD -0.000272  
MBD 0.000000  
Fringe rate (Hz)  
0.000025  
Ion TEC 0.00  
Ref freq (MHz)  
100000.0000  
AP (sec) 0.800  
Exp. h4  
Exper # 7000  
Yr:day 2012:187  
Start 180503.00  
Stop 180507.00  
FRT 180505.00  
Corr/FF/build  
2012:186:181155  
2012:187:181253  
2012:187:083214  
RA & Dec (J2000)  
03h00m 0.0000s  
+81°00' 0.000"

Amp. and Phase vs. time for each freq., 5 segs, 1 APs / seg (0.80 sec / seg.), time ticks 1 sec



Validity  
pcal θ  
100000.00  
-0.2  
501.6  
65.0  
U/L 5/0  
A 0  
V 0  
A:V -90:-90  
A:V 0:0  
A 0  
V 0  
A W00U  
V W00U

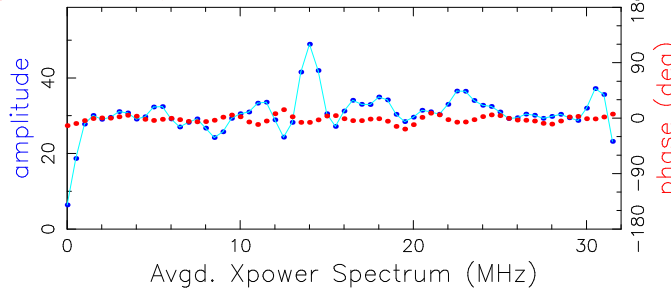
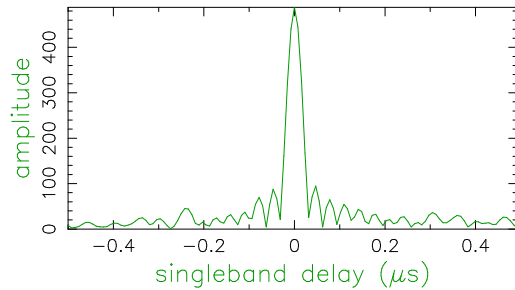
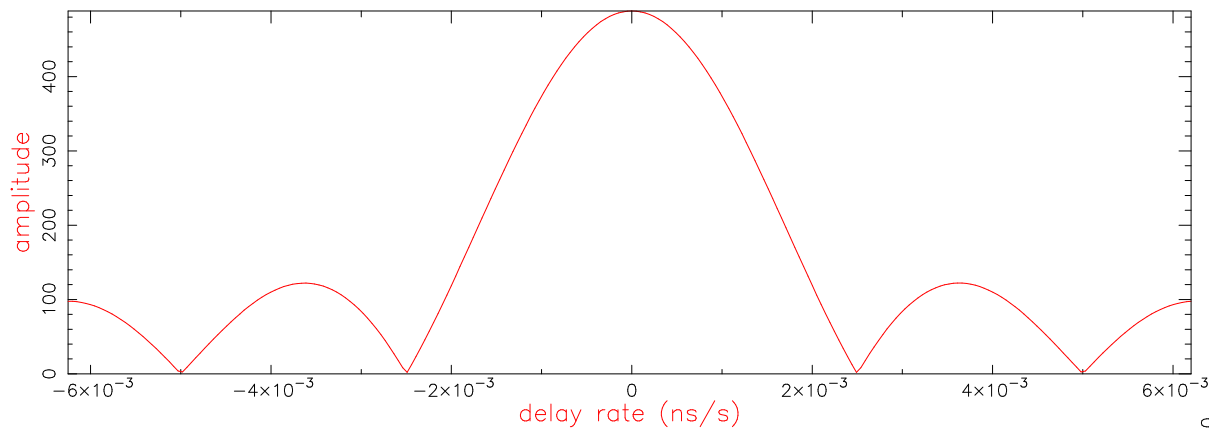
Freq (MHz)  
Phase  
Ampl.  
Sbd box  
APs used  
PC freqs  
PC phase  
Manl PC  
PC amp  
Chan ids  
Chan ids

Group delay (usec)	0.0000000000E+00	Apriori delay (usec)	0.0000000000E+00	Resid mbdelay (usec)	0.00000E+00	+/-	2.5E-05
Sband delay (usec)	-2.72121744800E-04	Apriori clock (usec)	0.0000000E+00	Resid sbdelay (usec)	-2.72122E-04	+/-	2.5E-05
Phase delay (usec)	-6.42672937139E-09	Apriori clockrate (us/s)	0.0000000E+00	Resid phdelay (usec)	-6.42673E-09	+/-	4.6E-09
Delay rate (us/s)	2.46909320572E-10	Apriori rate (us/s)	0.0000000000E+00	Resid rate (us/s)	2.46909E-10	+/-	2.0E-09
Total phase (deg)	-0.2	Apriori accel (us/s/s)	0.0000000000E+00	Resid phase (deg)	-0.2	+/-	0.2
RMS	0.0	Theor.	0.2	Amplitude	501.635 +/- 0.731		
ph/seg (deg)	0.0	Search (16X8)	501.579	Pcal mode: NORMAL, NORMAL	Pcal period (AP's) 9999, 9999		
amp/seg (%)	0.0	Interp.	501.579	Pcal rate: -5.000E-04, -5.000E-04 (us/s)	sb window (us)	-0.500	0.500
ph/frq (deg)	0.0	Inc. seg. avg.	501.632	Bits/sample: 2	SampCntNorm: disabled	mb window (us)	-0.000
amp/frq (%)	0.0	Inc. frq. avg.	501.634	Sample rate(MSamp/s): 64	dr window (ns/s)	-0.006	0.006
				Data rate(Mb/s): 128	nlags: 64	t_cohere infinite	ion window (TEC)
							0.00

A: az 347.8 el 43.8 pa 94.6 V: az 347.8 el 43.8 pa 94.6 u,v (fr/asec) 0.000 0.000

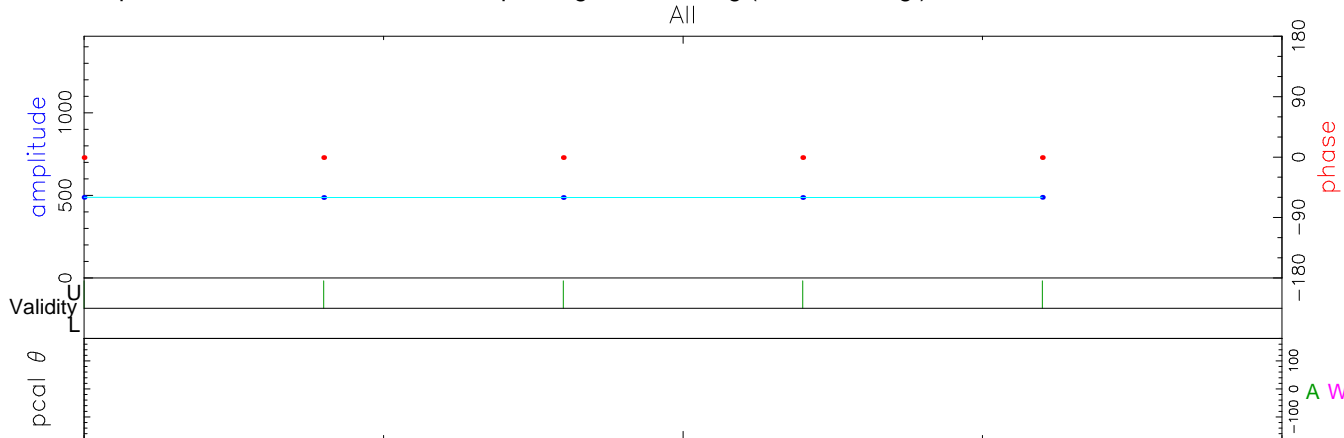
iterative interpolator

Control file: cf-7000 Input file: /data-sc01/gbc/alma/h4-7000/7000/187-1805/AV..wgnvoc Output file: /data-sc01/gbc/alma/h4-7000/7000/187-1805/AV.W.2.wgnvoc



Fringe quality 9  
 Error code H  
 SNR 667.6  
 Int time 4.000  
 Amp 488.284  
 Phase -0.6  
 PFD 0.0e+00  
 Delays (us)  
 SBD 0.000199  
 MBD 0.000000  
 Fringe rate (Hz)  
 -0.000011  
 Ion TEC 0.00  
 Ref freq (MHz)  
 100000.0000  
 AP (sec) 0.800  
 Exp. h4  
 Exper # 7000  
 Yr:day 2012:187  
 Start 180503.00  
 Stop 180507.00  
 FRT 180505.00  
 Corr/FF/build  
 2012:186:181155  
 2012:187:181302  
 2012:187:083214  
 RA & Dec (J2000)  
 03h00m 0.0000s  
 +81°00' 0.000"

Amp. and Phase vs. time for each freq., 5 segs, 1 APs / seg (0.80 sec / seg.), time ticks 1 sec



100000.00  
 -0.6  
 488.3  
 65.0  
 U/L 5/0  
 A 0  
 W 0  
 A:W -90:-90  
 A:W 0:0  
 A 0  
 W 0  
 A W00U  
 W W00U

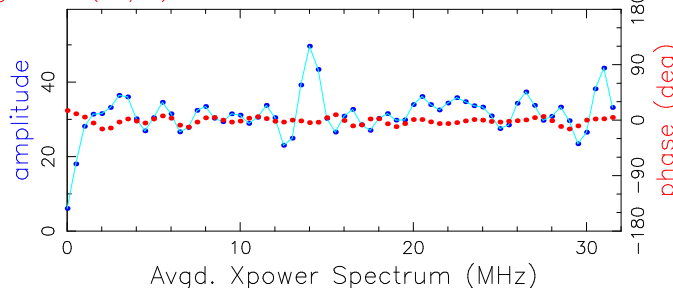
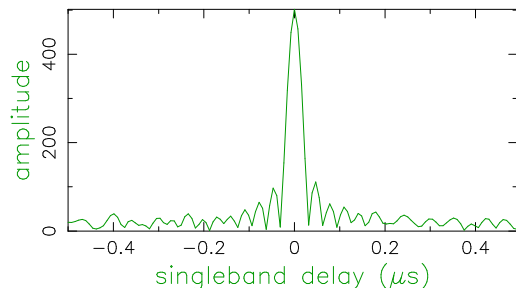
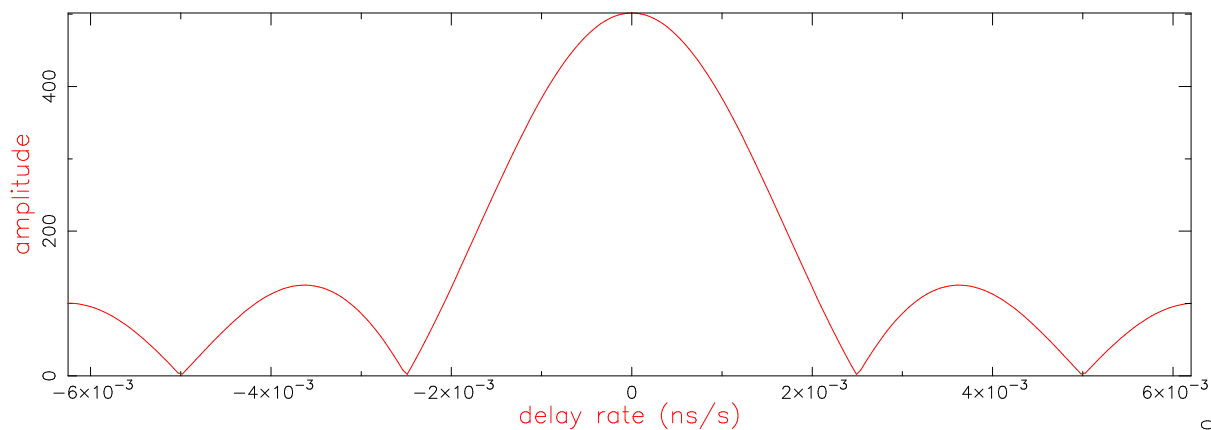
Freq (MHz)  
 Phase  
 Ampl.  
 Sbd box  
 APs used  
 PC freqs  
 PC phase  
 Mani PC  
 PC amp  
 Chan ids  
 Chan ids

Group delay (usec)	0.0000000000E+00	Apriori delay (usec)	0.0000000000E+00	Resid mbdelay (usec)	0.00000E+00	+/-	2.6E-05
Sband delay (usec)	1.99069769937E-04	Apriori clock (usec)	0.0000000E+00	Resid sbdelay (usec)	1.99070E-04	+/-	2.6E-05
Phase delay (usec)	-1.61656167185E-08	Apriori clockrate (us/s)	0.0000000E+00	Resid phdelay (usec)	-1.61656E-08	+/-	4.8E-09
Delay rate (us/s)	-1.09962040233E-10	Apriori rate (us/s)	0.0000000000E+00	Resid rate (us/s)	-1.09962E-10	+/-	2.1E-09
Total phase (deg)	-0.6	Apriori accel (us/s/s)	0.0000000000E+00	Resid phase (deg)	-0.6	+/-	0.2
RMS	Theor.	Amplitude	488.284 +/- 0.731	Pcal mode: NORMAL, NORMAL	Pcal period (AP's)	9999, 9999	
ph/seg (deg)	0.0	Search (16X8)	488.254	Pcal rate: -5.000E-04, -5.000E-04 (us/s)	sb window (us)	-0.500	0.500
amp/seg (%)	0.0	Interp.	488.254	Bits/sample: 2	SampCntNorm: disabled	mb window (us)	-0.000
ph/frq (deg)	0.0	Inc. seg. avg.	488.281	Sample rate(MSamp/s): 64	dr window (ns/s)	-0.006	0.006
amp/frq (%)	0.0	Inc. frq. avg.	488.283	Data rate(Mb/s): 128	nlags: 64	t_cohere infinite	ion window (TEC)
						0.00	0.00

A: az 347.8 el 43.8 pa 94.6 W: az 347.8 el 43.8 pa 94.6 u,v (fr/asec) 0.000 0.000

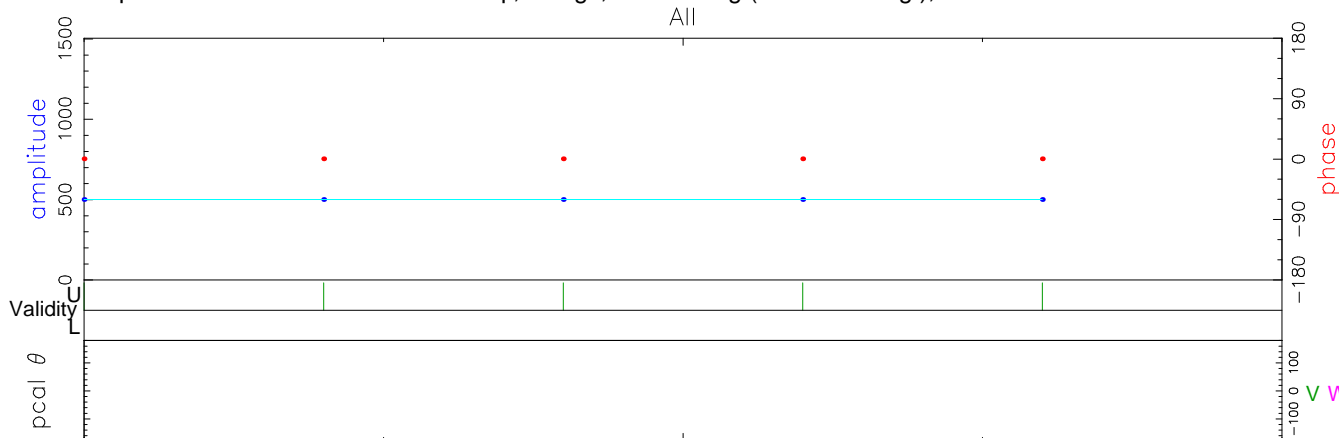
iterative interpolator

Control file: cf-7000 Input file: /data-sc01/gbc/alma/h4-7000/7000/187-1805/AW..wgnvoc Output file: /data-sc01/gbc/alma/h4-7000/7000/187-1805/AW.W.3.wgnvoc



Fringe quality 9  
 Error code H  
 SNR 685.9  
 Int time 4.000  
 Amp 501.748  
 Phase 0.5  
 PFD 0.0e+00  
 Delays (us)  
 SBD 0.000322  
 MBD 0.000000  
 Fringe rate (Hz)  
 0.000003  
 Ion TEC 0.00  
 Ref freq (MHz)  
 100000.0000  
 AP (sec) 0.800  
 Exp. h4  
 Exper # 7000  
 Yr:day 2012:187  
 Start 180503.00  
 Stop 180507.00  
 FRT 180505.00  
 Corr/FF/build  
 2012:186:181155  
 2012:187:181308  
 2012:187:083214  
 RA & Dec (J2000)  
 03h00m 0.0000s  
 +81°00' 0.000"

Amp. and Phase vs. time for each freq., 5 segs, 1 APs / seg (0.80 sec / seg.), time ticks 1 sec



100000.00  
 0.5  
 501.7  
 65.0  
 U/L 5/0  
 V 0  
 W 0  
 V:W -90:-90  
 V:W 0:0  
 V 0  
 W 0  
 V W00U  
 W W00U

Freq (MHz)  
 Phase  
 Ampl.  
 Sbd box  
 APs used  
 PC freqs  
 PC freqs  
 PC phase  
 Manl PC  
 PC amp  
 Chan ids  
 Chan ids

Group delay (usec)	0.0000000000E+00	Apriori delay (usec)	0.0000000000E+00	Resid mbdelay (usec)	0.00000E+00	+/-	2.5E-05
Sband delay (usec)	3.21513609859E-04	Apriori clock (usec)	0.0000000E+00	Resid sbdelay (usec)	3.21514E-04	+/-	2.5E-05
Phase delay (usec)	1.39721781502E-08	Apriori clockrate (us/s)	0.0000000E+00	Resid phdelay (usec)	1.39722E-08	+/-	4.6E-09
Delay rate (us/s)	3.43375594885E-11	Apriori rate (us/s)	0.0000000000E+00	Resid rate (us/s)	3.43376E-11	+/-	2.0E-09
Total phase (deg)	0.5	Apriori accel (us/s/s)	0.0000000000E+00	Resid phase (deg)	0.5	+/-	0.2
RMS	Theor.	Amplitude	501.748 +/- 0.731	Pcal mode: NORMAL, NORMAL	Pcal period (AP's)	9999, 9999	
ph/seg (deg)	0.0	Search (16X8)	501.666	Pcal rate: -5.000E-04, -5.000E-04 (us/s)	sb window (us)	-0.500	0.500
amp/seg (%)	0.0	Interp.	501.666	Bits/sample: 2	SampCntNorm: disabled	mb window (us)	-0.000
ph/frq (deg)	0.0	Inc. seg. avg.	501.745	Sample rate(MSamp/s): 64	dr window (ns/s)	-0.006	0.006
amp/frq (%)	0.0	Inc. frq. avg.	501.747	Data rate(Mb/s): 128	nlags: 64	t_cohere infinite	ion window (TEC)
						0.00	0.00

V: az 347.8 el 43.8 pa 94.6 W: az 347.8 el 43.8 pa 94.6 u,v (fr/asec) 0.000 0.000

iterative interpolator

Control file: cf-7000 Input file: /data-sc01/gbc/alma/h4-7000/7000/187-1805/VW..wgnvoc Output file: /data-sc01/gbc/alma/h4-7000/7000/187-1805/VW.W.4.wgnvoc