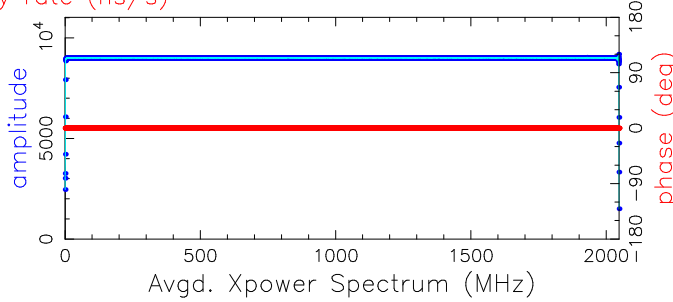
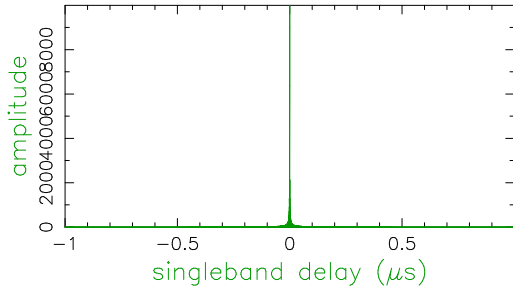


Fringe quality 9

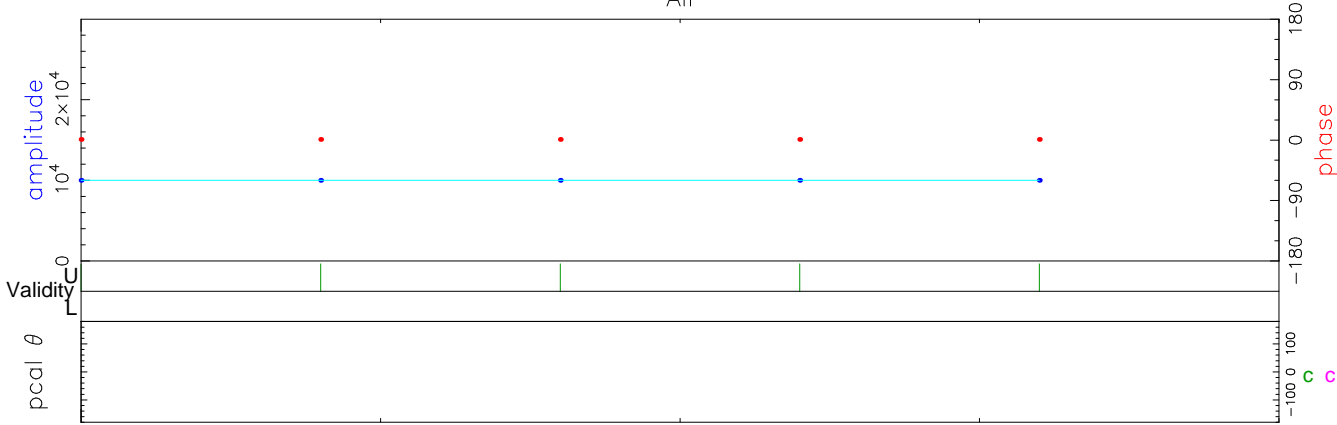
SNR 109161.7
 Int time 3.985
 Amp 9998.099
 Phase 0.9
 PFD 0.0e+00
 Delays (us)
 SBD 0.000000
 MBD -0.000003
 Fringe rate (Hz)
 0.000000
 Ion TEC 0.000
 Ref freq (MHz)
 230000.0000
 AP (sec) 0.800



Exp. g3
 Exper # 7001
 Yr:day 2012:075
 Start 055800.00
 Stop 055804.00
 FRT 055810.00
 Corr/FF/build
 2016:237:021211
 2016:237:021214
 2016:200:134124
 RA & Dec (J2000)
 12h30m49.4233s
 +12°23'28.043"

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

All



230000.00
 0.9
 9998.1
 8193.0
 U/L 5/0
 c -inf
 c -inf
 c:c 0:0
 c:c 0:0
 c 0
 c 0
 c B00UR
 c
 c B00UR

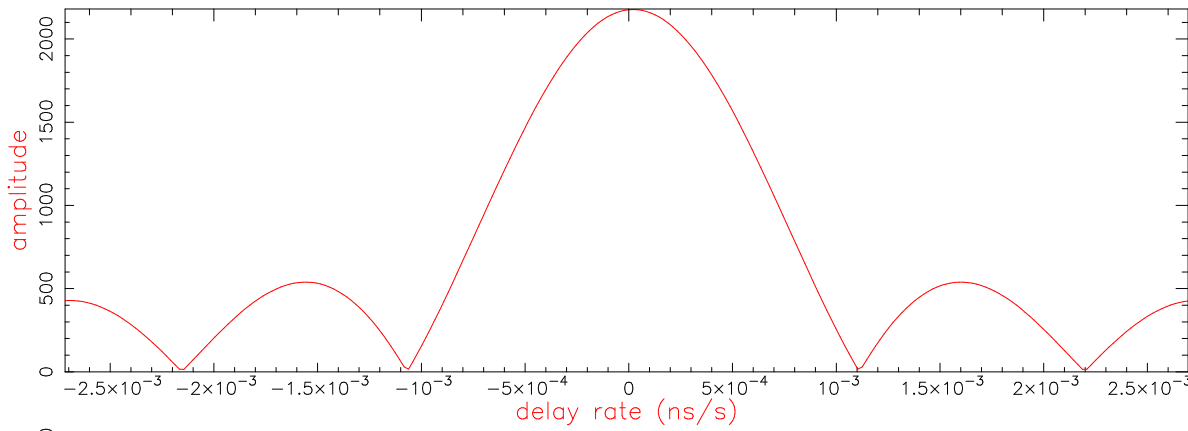
Freq (MHz)
 Phase
 Ampl.
 Sbd box
 APs used
 PC R delays (ns)
 PC R delays (ns)
 PC phase
 Mani PC
 PC amp
 Chan ids
 Chan ids

Group delay (usec)(model)	-2.56521739130E-06	Apriori delay (usec)	0.0000000000E+00	Resid mbdelay (usec)	-2.56522E-06	+/- 2.5E-09
Sband delay (usec)	0.0000000000E+00	Apriori clock (usec)	0.0000000E+00	Resid sbdelay (usec)	0.00000E+00	+/- 2.5E-09
Phase delay (usec)	1.14207939509E-08	Apriori clockrate (us/s)	0.0000000E+00	Resid phdelay (usec)	1.14208E-08	+/- 1.3E-11
Delay rate (us/s)	0.0000000000E+00	Apriori rate (us/s)	0.0000000000E+00	Resid rate (us/s)	0.00000E+00	+/- 5.5E-12
Total phase (deg)	0.9	Apriori accel (us/s/s)	0.0000000000E+00	Resid phase (deg)	0.9	+/- 0.0

ph/seg (deg)	0.0	Theor.	0.0	Amplitude	9998.099 +/- 0.092	Pcal mode: MULTITONE, MULTITONE	PC period (AP's)	5, 5	sb window (us)	-1.000	1.000
amp/seg (%)	0.0	0.0	0.0	Search (16X8)	0.000	Pcal rate: 0.000E+00, 0.000E+00 (us/s)			mb window (us)	-0.000	0.000
ph/frq (deg)	0.0	0.0	0.0	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: disabled		dr window (ns/s)	-0.003	0.003
amp/frq (%)	0.0	0.0	0.0	Inc. seg. avg.	9998.099	Sample rate(MSamp/s): 4096			ion window (TEC)	0.00	0.00
				Inc. frq. avg.	9998.099	Data rate(Mb/s): 8192	nlags: 8192	t_cohere infinite			

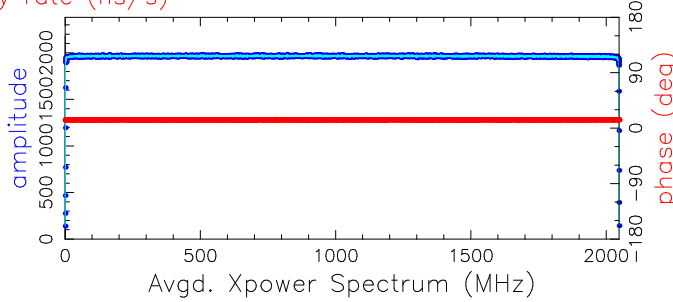
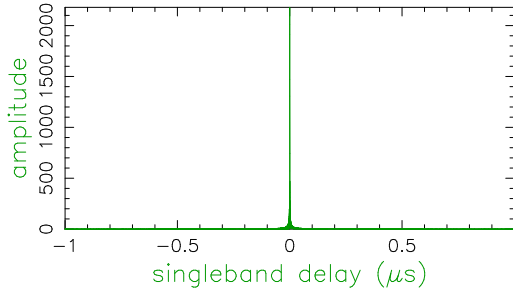
c: az 111.3 el 44.1 pa -49.4 c: az 111.3 el 44.1 pa -49.4 u,v (fr/asec) 0.000 0.000 simultaneous interpolator

Control file: cf-7001 Input file: /data/lupin/g3-7001/7001/075-0558/cc..zyosc Output file: /data/lupin/g3-7001/7001/075-0558/cc.B.4.zyosc



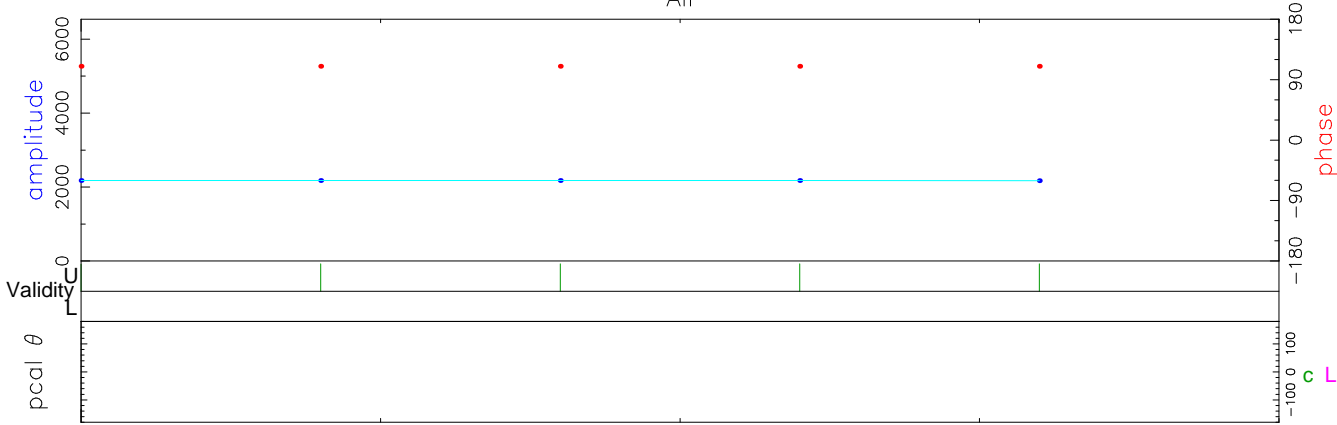
Fringe quality 9

SNR 23806.2
Int time 3.985
Amp 2180.456
Phase 110.0
PFD 0.0e+00
Delays (us)
SBD 0.000258
MBD -0.000003
Fringe rate (Hz)
0.004765
Ion TEC 0.000
Ref freq (MHz)
230000.0000
AP (sec) 0.800



Exp. g3
Exper # 7001
Yr:day 2012:075
Start 055800.00
Stop 055804.00
FRT 055810.00
Corr/FF/build
2016:237:021211
2016:237:021213
2016:200:134124
RA & Dec (J2000)
12h30m49.4233s
+12°23'28.043"

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



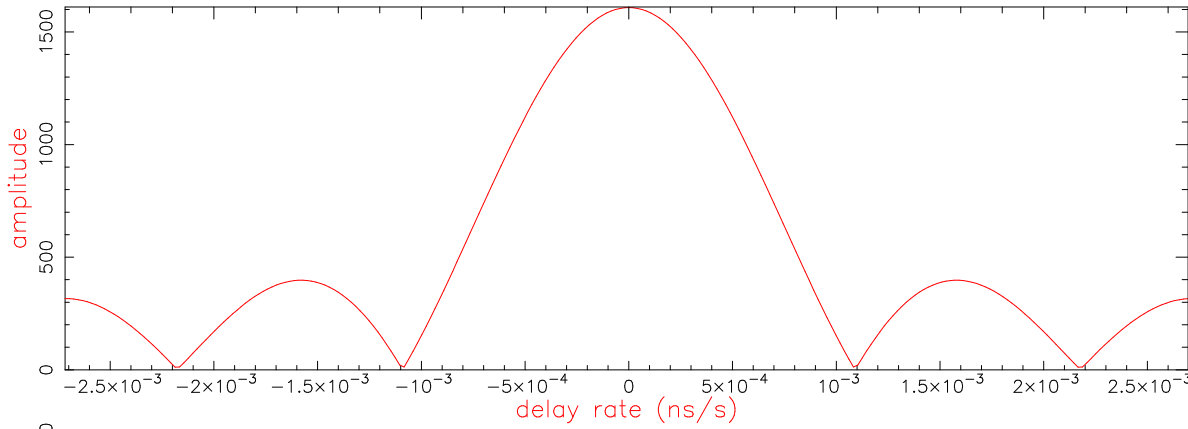
230000.00
110.0
2177.4
8195.1
U/L 5/0
c -inf
L -inf
c:L 0:0
c:L 0:0
c 0
L 0
c B00UR
L B00UR

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

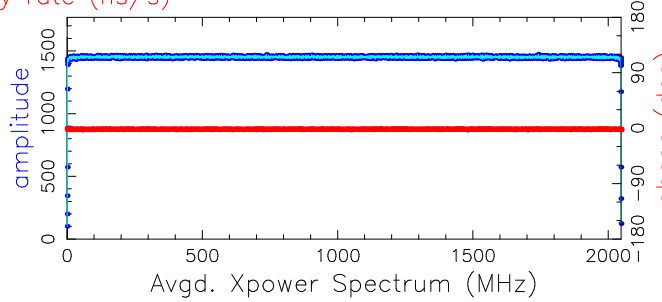
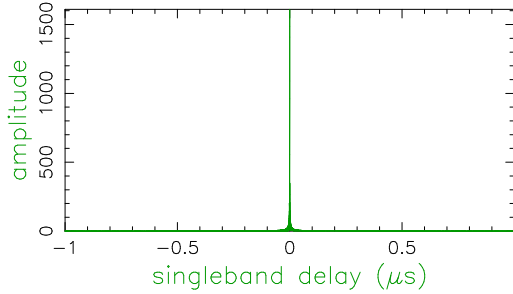
Group delay (usec)(model)	1.00642321161E+04	Apriori delay (usec)	1.00642321186E+04	Resid mbdelay (usec)	-2.50529E-06	+/- 1.1E-08
Sband delay (usec)	1.00642323771E+04	Apriori clock (usec)	0.0000000E+00	Resid sbdelay (usec)	2.58484E-04	+/- 1.1E-08
Phase delay (usec)	1.00642321199E+04	Apriori clockrate (us/s)	0.0000000E+00	Resid phdelay (usec)	1.32801E-06	+/- 5.8E-11
Delay rate (us/s)	-5.80797791593E-01	Apriori rate (us/s)	-5.80797812310E-01	Resid rate (us/s)	2.07174E-08	+/- 2.5E-11
Total phase (deg)	209.8	Apriori accel (us/s/s)	-4.71069846400E-05	Resid phase (deg)	110.0	+/- 0.0

ph/seg (deg)	0.0	Theor.	0.0	Amplitude	2180.456 +/- 0.092	Pcal mode: MULTITONE, MULTITONE	PC period (AP's)	5, 5	sb window (us)	-1.000	1.000
amp/seg (%)	0.2	0.0	0.0	Search (16X8)	2176.083	Pcal rate: 0.000E+00, 0.000E+00 (us/s)			mb window (us)	-0.000	0.000
ph/frq (deg)	0.0	0.0	0.0	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: disabled		dr window (ns/s)	-0.003	0.003
amp/frq (%)	0.1	0.0	0.0	Inc. seg. avg.	2177.379	Sample rate(MSamp/s): 4096			ion window (TEC)	0.00	0.00
				Inc. frq. avg.	2177.379	Data rate(Mb/s): 8192	nlags: 8192	t_cohere infinite			

c: az 111.3 el 44.1 pa -49.4 L: az 81.4 el 12.9 pa -72.2 u,v (fr/asec) 9084.168 3990.021 simultaneous interpolator
Control file: cf-7001 Input file: /data/lupin/g3-7001/7001/075-0558/cL.zyosc Output file: /data/lupin/g3-7001/7001/075-0558/cL.B.1.zyosc



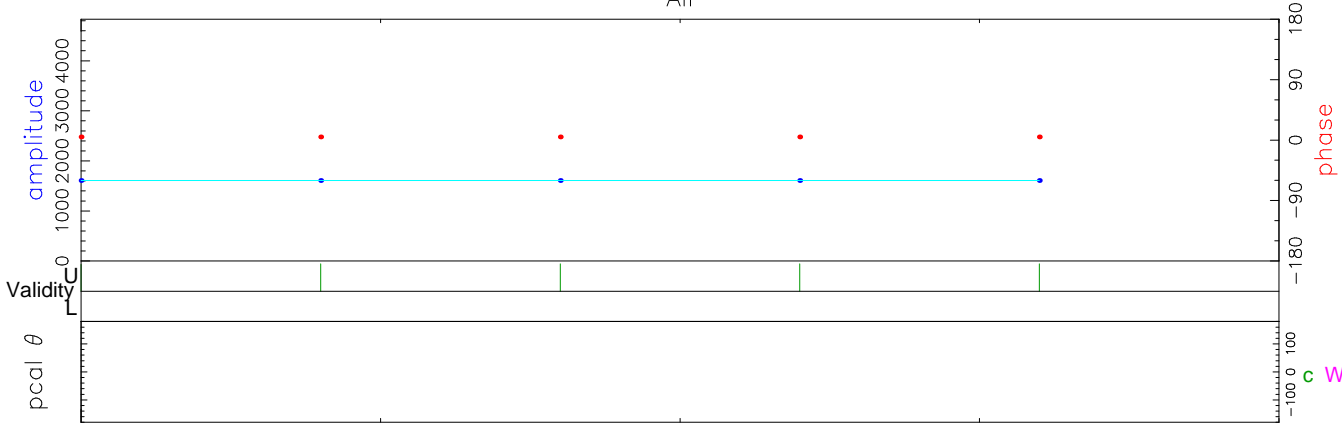
Fringe quality 9
SNR 17582.5
Int time 3.983
Amp 1610.779
Phase 4.6
PFD 0.0e+00
Delays (us)
SBD 0.000015
MBD -0.000002
Fringe rate (Hz)
-0.000695
Ion TEC 0.000
Ref freq (MHz)
230000.0000
AP (sec) 0.800



Exp. g3
Exper # 7001
Yr:day 2012:075
Start 055800.00
Stop 055804.00
FRT 055810.00
Corr/FF/build
2016:237:021211
2016:237:021213
2016:200:134124
RA & Dec (J2000)
12h30m49.4233s
+12°23'28.043"

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

All



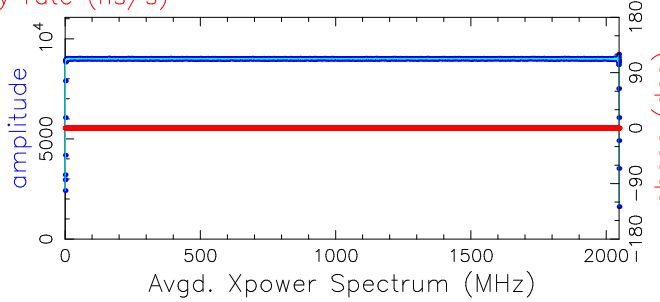
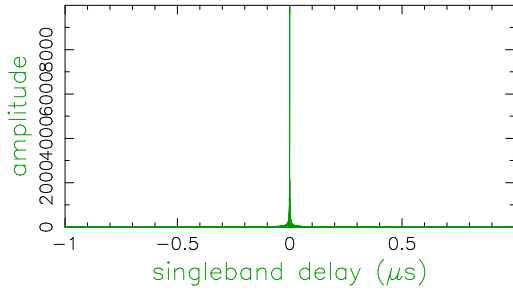
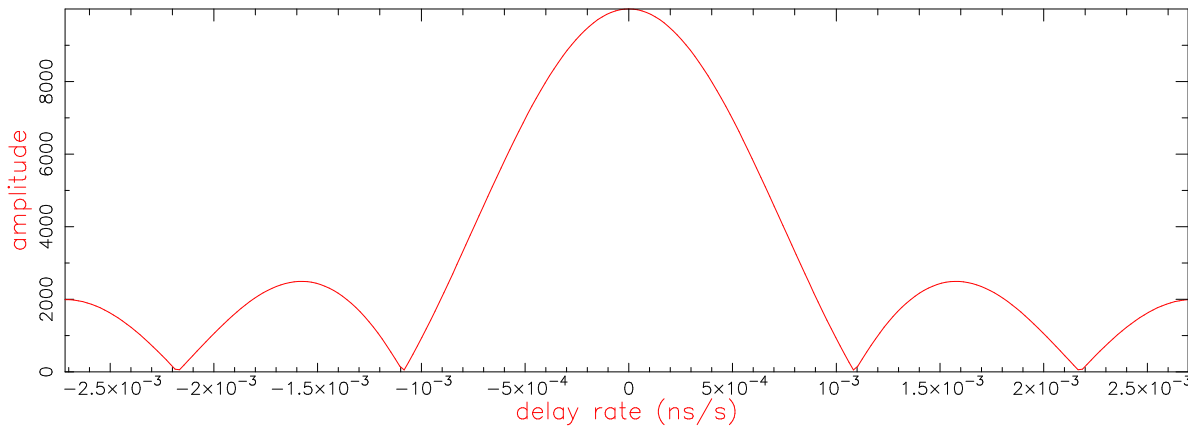
230000.00	4.6	1608.2	8193.1	U/L 5/0	c -inf	W -inf	c:W 0:0	c:W 0:0	c 0	W 0	c B00UR	W B00UR	230000.00	4.6	1608.2	8193.1	U/L 5/0	c -inf	W -inf	c:W 0:0	c:W 0:0	c 0	W 0	c B00UR	W B00UR	Chan ids	Chan ids												
Group delay (usec)(model)	-1.98724267681E+03	Apriori delay (usec)	-1.98724267439E+03	Resid mbdelay (usec)	-2.42626E-06	+/-	1.5E-08	Sband delay (usec)	-1.98724265897E+03	Apriori clock (usec)	0.000000E+00	Resid sbdelay (usec)	1.54141E-05	+/-	1.5E-08	Phase delay (usec)	-1.98724267433E+03	Apriori clockrate (us/s)	0.000000E+00	Resid phdelay (usec)	5.55039E-08	+/-	7.9E-11	Delay rate (us/s)	9.50760375849E-02	Apriori rate (us/s)	9.50760406066E-02	Resid rate (us/s)	-3.02174E-09	+/-	3.4E-11	Total phase (deg)	-34.5	Apriori accel (us/s/s)	1.21401177921E-05	Resid phase (deg)	4.6	+/-	0.0

ph/seg (deg)	0.0	0.0	Search (16X8)	1608.130	Pcal mode: MULTITONE, MULTITONE	PC period (AP's)	5, 5	sb window (us)	-1.000	1.000
amp/seg (%)	0.2	0.0	Interp.	0.000	Pcal rate: 0.000E+00, 0.000E+00 (us/s)	SampCntNorm: disabled		mb window (us)	-0.000	0.000
ph/frq (deg)	0.0	0.0	Inc. seg. avg.	1608.151	Bits/sample: 2x2	Sample rate(MSamp/s): 4096		dr window (ns/s)	-0.003	0.003
amp/frq (%)	0.2	0.0	Inc. frq. avg.	1608.151	Data rate(Mb/s): 8192	nlags: 8192	t_cohere infinite	ion window (TEC)	0.00	0.00

Fringe quality 9

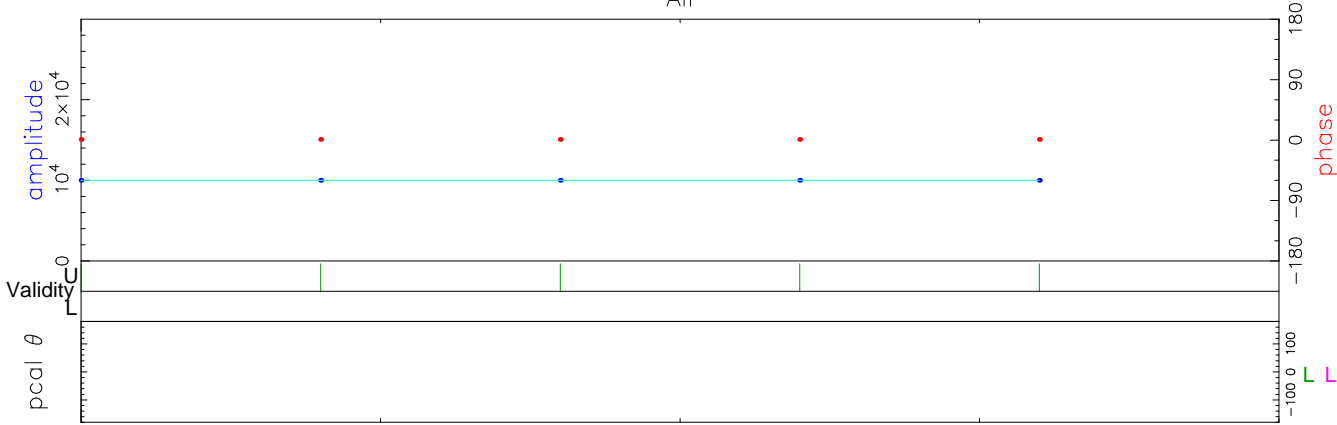
SNR 109299.7
Int time 3.995
Amp 9998.115
Phase 1.0
PFD 0.0e+00
Delays (us)
SBD 0.000000
MBD -0.000003
Fringe rate (Hz)
0.000000
Ion TEC 0.000
Ref freq (MHz)
230000.0000
AP (sec) 0.800

Exp. g3
Exper # 7001
Yr:day 2012:075
Start 055800.00
Stop 055804.00
FRT 055810.00
Corr/FF/build
2016:237:021211
2016:237:021214
2016:200:134124
RA & Dec (J2000)
12h30m49.4233s
+12°23'28.043"



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

All



230000.00
1.0
9998.115
8193.0
U/L 5/0
L -inf
L -inf
L:L 0:0
L:L 0:0
L 0
L 0
L B00UR
L B00UR

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

Group delay (usec)(model)	-2.71500869565E-06	Apriori delay (usec)	0.0000000000E+00	Resid mbdelay (usec)	-2.71501E-06	+/-	2.5E-09
Sband delay (usec)	0.0000000000E+00	Apriori clock (usec)	0.0000000E+00	Resid sbdelay (usec)	0.00000E+00	+/-	2.5E-09
Phase delay (usec)	1.20876908885E-08	Apriori clockrate (us/s)	0.0000000E+00	Resid phdelay (usec)	1.20877E-08	+/-	1.3E-11
Delay rate (us/s)	0.0000000000E+00	Apriori rate (us/s)	0.0000000000E+00	Resid rate (us/s)	0.00000E+00	+/-	5.5E-12
Total phase (deg)	1.0	Apriori accel (us/s/s)	0.0000000000E+00	Resid phase (deg)	1.0	+/-	0.0

ph/seg (deg)	0.0	Theor.	0.0	Amplitude	9998.114 +/- 0.091	Pcal mode:	MULTITONE, MULTITONE	PC period (AP's)	5, 5
amp/seg (%)	0.0	0.0	0.0	Search (16X8)	9998.115	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000 1.000
ph/frq (deg)	0.0	0.0	0.0	Interp.	0.000	Bits/sample:	2x2	SampCntNorm:	disabled
amp/frq (%)	0.0	0.0	0.0	Inc. seg. avg.	9998.115	Sample rate(MSamp/s):	4096	dr window (ns/s)	-0.003 0.003
				Inc. frq. avg.	9998.114	Data rate(Mb/s):	8192	nlags:	8192 t_cohere infinite
						ion window (TEC)	0.00	0.00	

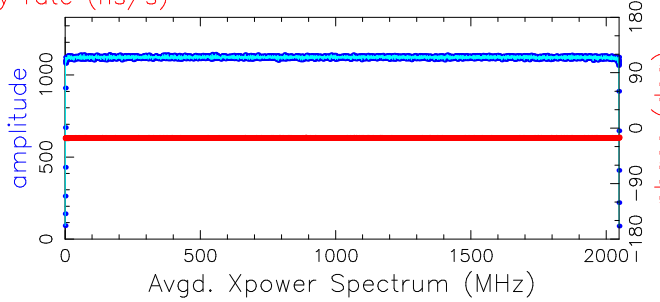
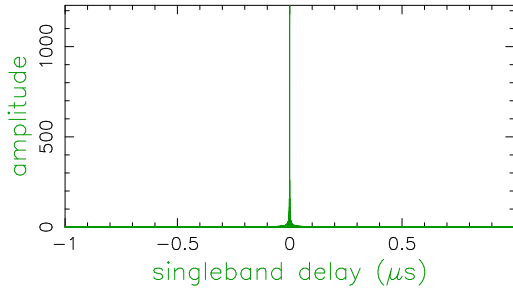
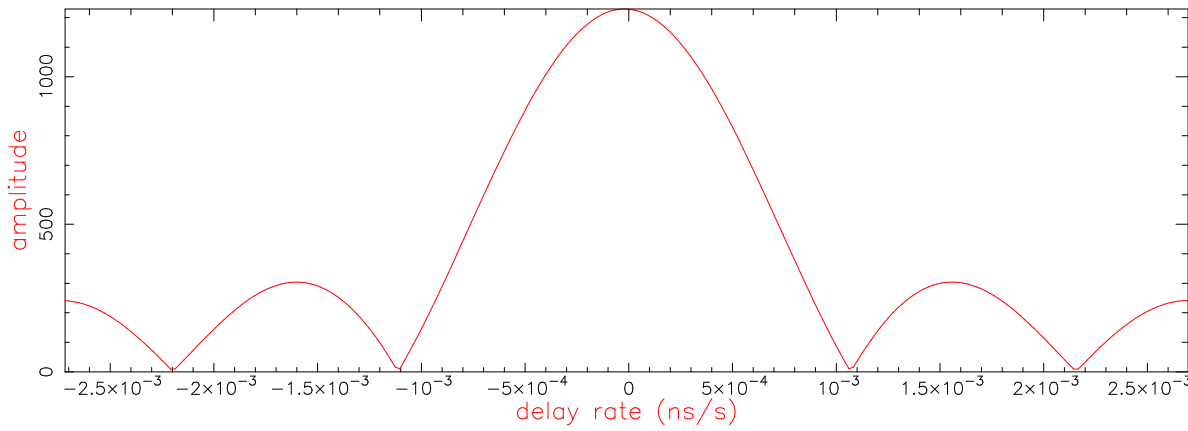
L: az 81.4 el 12.9 pa -72.2 L: az 81.4 el 12.9 pa -72.2 u,v (fr/asec) 0.000 0.000 simultaneous interpolator

Control file: cf-7001 Input file: /data/lupin/g3-7001/7001/075-0558/LL.yzyosc Output file: /data/lupin/g3-7001/7001/075-0558/LL.B.5.yzyosc

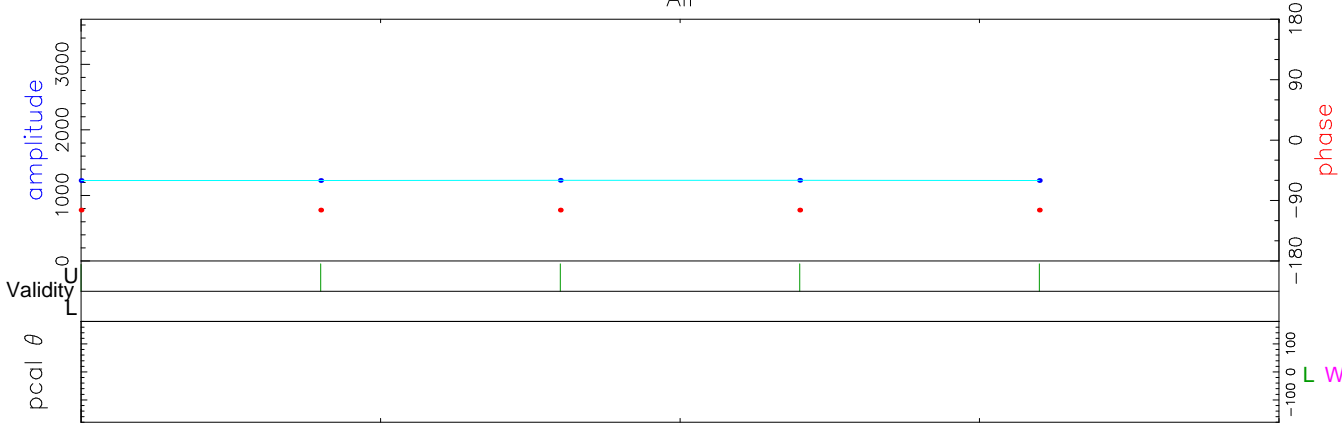
Fringe quality 9

SNR 13421.6
Int time 3.983
Amp 1229.624
Phase -104.3
PFD 0.0e+00
Delays (us)
SBD -0.000243
MBD -0.000003
Fringe rate (Hz)
-0.005440
Ion TEC 0.000
Ref freq (MHz)
230000.0000
AP (sec) 0.800

Exp. g3
Exper # 7001
Yr:day 2012:075
Start 055800.00
Stop 055804.00
FRT 055810.00
Corr/FF/build
2016:237:021211
2016:237:021213
2016:200:134124
RA & Dec (J2000)
12h30m49.4233s
+12°23'28.043"



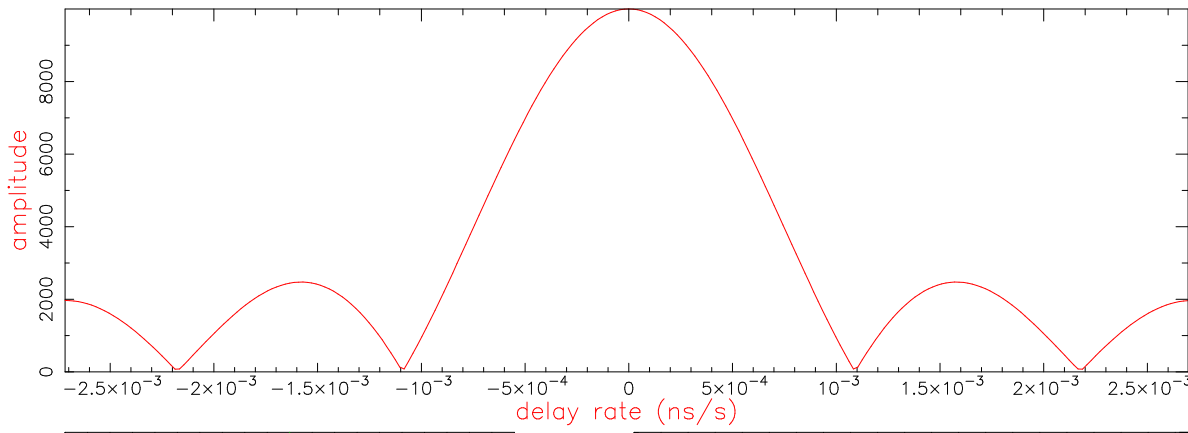
Amp. and Phase vs. time for each freq., 5 segs, 1 APs / seg (0.80 sec / seg.), time ticks 1 sec
All



Summary table with columns for various parameters like Freq (MHz), Phase, Ampl., Sbd box, APs used, PC R delays (ns), PC phase, Mani PC, PC amp, Chan ids, and various delay/acceleration values.

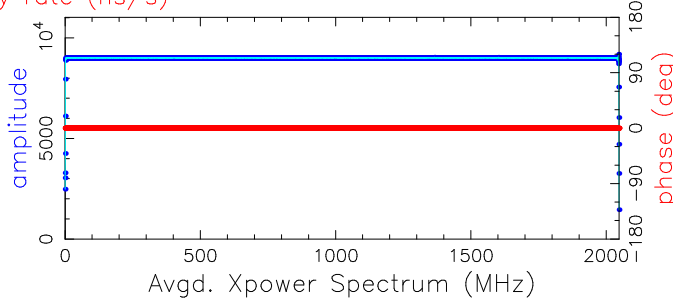
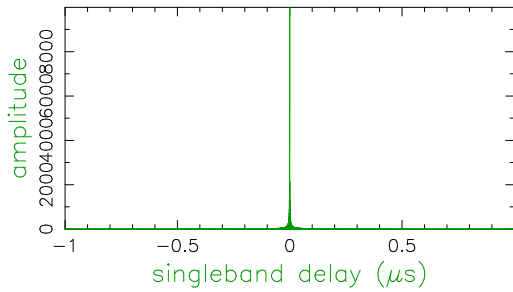
Table with columns for RMS, Theor., Amplitude, Search (16X8), Interp., Inc. seg. avg., Inc. frq. avg., Pcal mode, Pcal rate, sb window (us), mb window (us), dr window (ns/s), ion window (TEC).

L: az 81.4 el 12.9 pa -72.2 W: az 114.3 el 52.1 pa -51.8 u,v (fr/asec) -10570.161 -1923.092 simultaneous interpolator
Control file: cf-7001 Input file: /data/lupin/g3-7001/7001/075-0558/LW..zyosoc Output file: /data/lupin/g3-7001/7001/075-0558/LW.B.3.zyosoc



Fringe quality 9

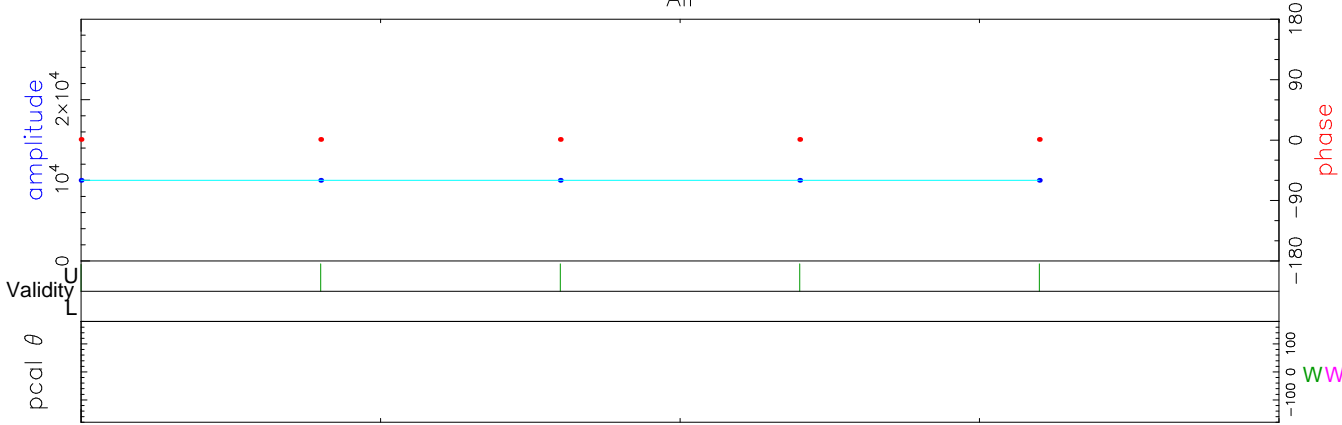
SNR 109134.4
Int time 3.983
Amp 9998.099
Phase 0.9
PFD 0.0e+00
Delays (us)
SBD 0.000000
MBD -0.000003
Fringe rate (Hz)
0.000000
Ion TEC 0.000
Ref freq (MHz)
230000.0000
AP (sec) 0.800



Exp. g3
Exper # 7001
Yr:day 2012:075
Start 055800.00
Stop 055804.00
FRT 055810.00
Corr/FF/build
2016:237:021211
2016:237:021214
2016:200:134124
RA & Dec (J2000)
12h30m49.4233s
+12°23'28.043"

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

All



230000.00
0.9
9998.1
8193.0
U/L 5/0
W -inf
W -inf
W:W 0:0
W:W 0:0
W 0
W 0
W B00UR
W B00UR

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

Group delay (usec)(model)	-2.56573913043E-06	Apriori delay (usec)	0.0000000000E+00	Resid mbdelay (usec)	-2.56574E-06	+/- 2.5E-09
Sband delay (usec)	0.0000000000E+00	Apriori clock (usec)	0.0000000E+00	Resid sbdelay (usec)	0.00000E+00	+/- 2.5E-09
Phase delay (usec)	1.14231168242E-08	Apriori clockrate (us/s)	0.0000000E+00	Resid phdelay (usec)	1.14231E-08	+/- 1.3E-11
Delay rate (us/s)	0.0000000000E+00	Apriori rate (us/s)	0.0000000000E+00	Resid rate (us/s)	0.00000E+00	+/- 5.5E-12
Total phase (deg)	0.9	Apriori accel (us/s/s)	0.0000000000E+00	Resid phase (deg)	0.9	+/- 0.0

ph/seg (deg)	0.0	Theor.	0.0	Amplitude	9998.099 +/- 0.092	Pcal mode: MULTITONE, MULTITONE	PC period (AP's)	5, 5	sb window (us)	-1.000	1.000
amp/seg (%)	0.0	0.0	0.0	Search (16X8)	9998.098	Pcal rate: 0.000E+00, 0.000E+00 (us/s)			mb window (us)	-0.000	0.000
ph/frq (deg)	0.0	0.0	0.0	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: disabled		dr window (ns/s)	-0.003	0.003
amp/frq (%)	0.0	0.0	0.0	Inc. seg. avg.	9998.098	Sample rate(MSamp/s): 4096			ion window (TEC)	0.00	0.00
				Inc. frq. avg.	9998.099	Data rate(Mb/s): 8192	nlags: 8192	t_cohere infinite			