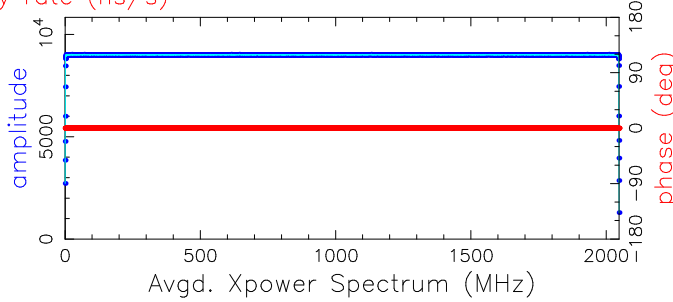
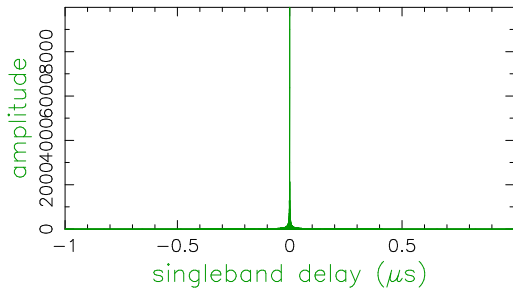


Fringe quality 9

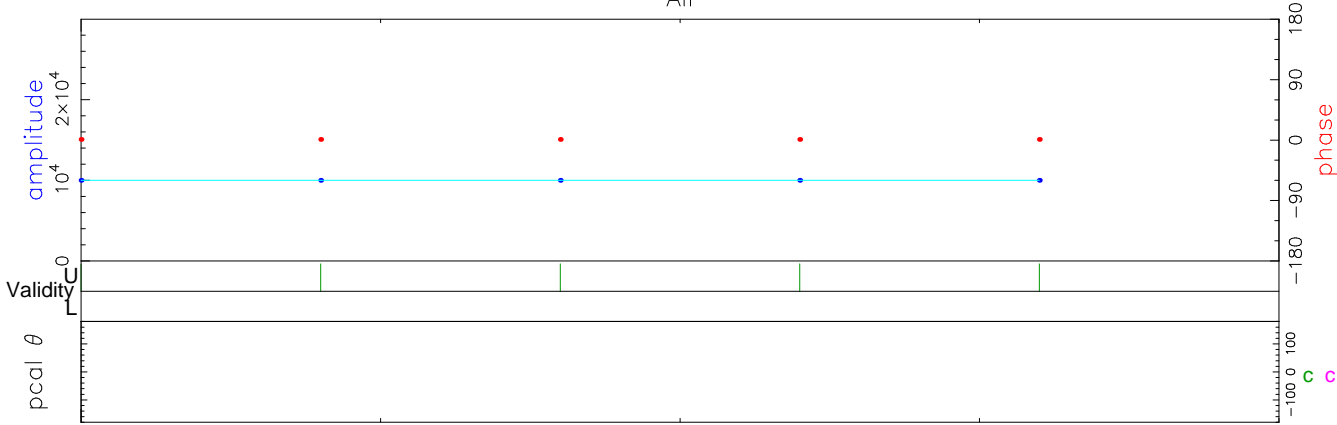
SNR 109162.2
 Int time 3.985
 Amp 9998.212
 Phase 0.9
 PFD 0.0e+00
 Delays (us)
 SBD 0.000000
 MBD -0.000003
 Fringe rate (Hz)
 0.000000
 Ion TEC 0.000
 Ref freq (MHz)
 230000.0000
 AP (sec) 0.800



Exp. g3
 Exper # 7001
 Yr:day 2012:075
 Start 055800.00
 Stop 055804.00
 FRT 055810.00
 Corr/FF/build
 2016:229:084421
 2016:229:084424
 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



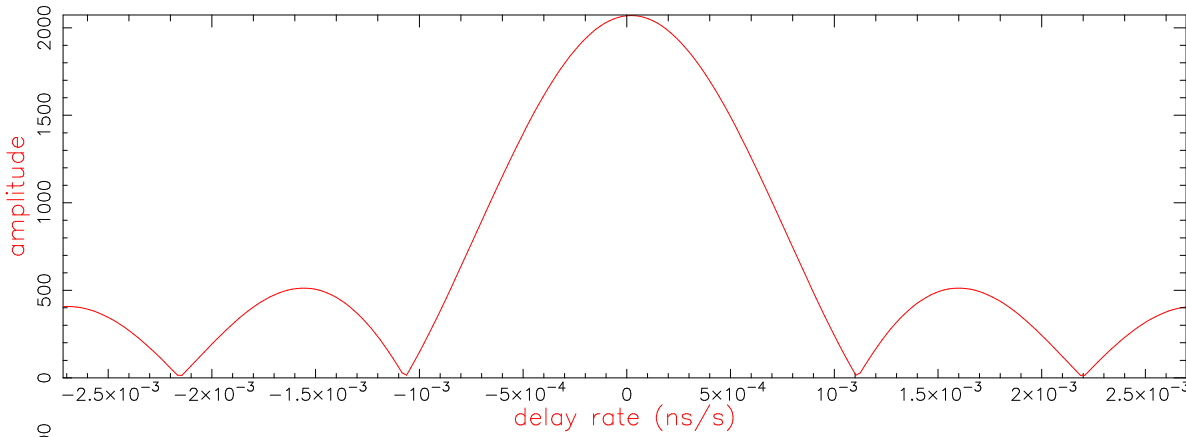
230000.00
 0.9
 9998.2
 8193.0
 U/L 5/0
 c -inf
 c -inf
 c:c 0:0
 c:c 0:0
 c 0
 c 0
 c B00UR
 c
 c B00UR

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

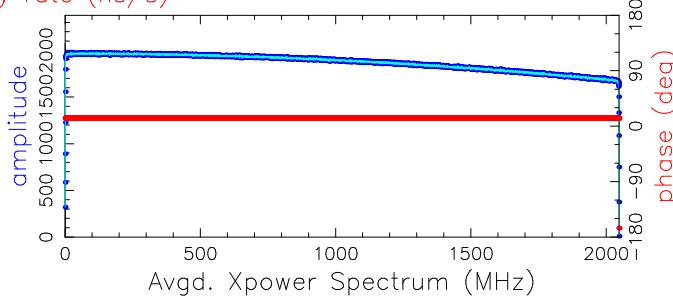
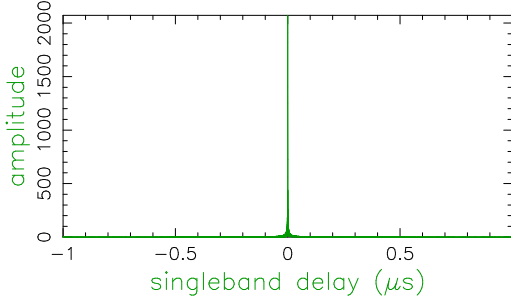
Group delay (usec)(model)	-2.56086956522E-06	Apriori delay (usec)	0.0000000000E+00	Resid mbdelay (usec)	-2.56087E-06	+/- 2.5E-09
Sband delay (usec)	0.0000000000E+00	Apriori clock (usec)	0.0000000E+00	Resid sbdelay (usec)	0.00000E+00	+/- 2.5E-09
Phase delay (usec)	1.14014366730E-08	Apriori clockrate (us/s)	0.0000000E+00	Resid phdelay (usec)	1.14014E-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	9998.213 +/- 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)	9998.213	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.	9998.213	Sample rate(MSamp/s): 4096			ion window (TEC)	0.00	0.00
				Inc. frq. avg.	9998.213	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.yzpbuff Output file: /data/lupin/g3-7001/7001/075-0558/cc.B.4.yzpbuff

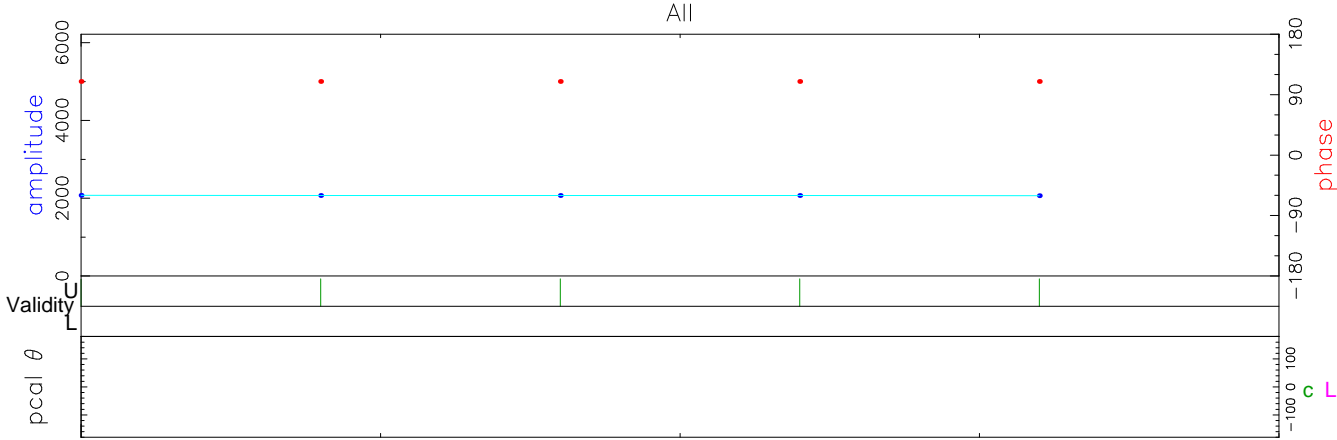


Fringe quality 9
 SNR 22634.4
 Int time 3.985
 Amp 2073.136
 Phase 109.5
 PFD 0.0e+00
 Delays (us)
 SBD 0.000258
 MBD -0.000003
 Fringe rate (Hz)
 0.004640
 Ion TEC 0.000
 Ref freq (MHz)
 230000.0000
 AP (sec) 0.800



Exp. g3
 Exper # 7001
 Yr:day 2012:075
 Start 055800.00
 Stop 055804.00
 FRT 055810.00
 Corr/FF/build
 2016:229:084421
 2016:229:084423
 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



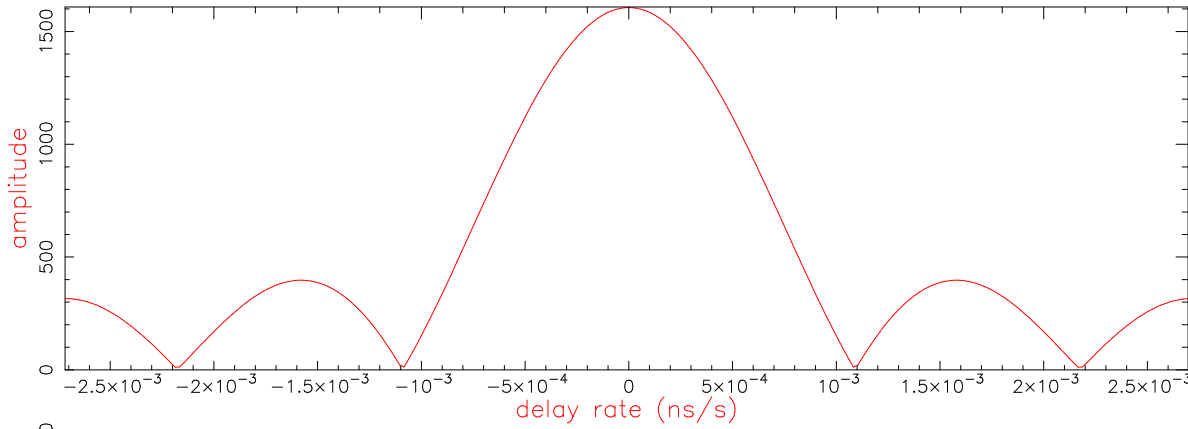
230000.00
 109.5
 2070.2
 8195.1
 U/L 5/0
 c -inf
 L -inf
 c:L 0:0
 c:L 0:0
 c 0
 L 0
 c B00UR
 L B00UR

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

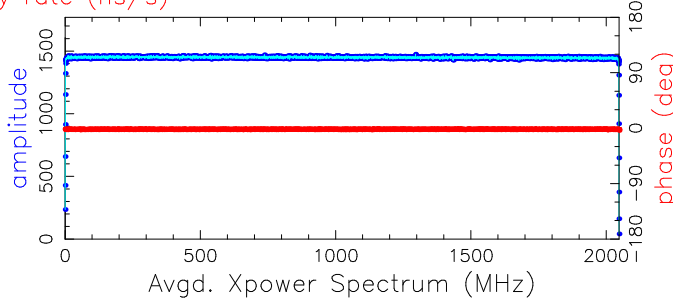
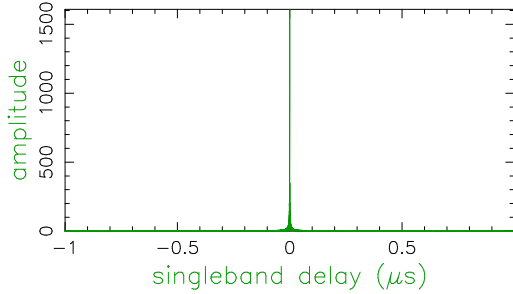
Group delay (usec)(model)	1.00642321161E+04	Apriori delay (usec)	1.00642321186E+04	Resid mbdelay (usec)	-2.50358E-06	+/- 1.2E-08
Sband delay (usec)	1.00642323771E+04	Apriori clock (usec)	0.0000000E+00	Resid sbdelay (usec)	2.58500E-04	+/- 1.2E-08
Phase delay (usec)	1.00642321199E+04	Apriori clockrate (us/s)	0.0000000E+00	Resid phdelay (usec)	1.32228E-06	+/- 6.1E-11
Delay rate (us/s)	-5.80797792136E-01	Apriori rate (us/s)	-5.80797812310E-01	Resid rate (us/s)	2.01739E-08	+/- 2.6E-11
Total phase (deg)	209.4	Apriori accel (us/s/s)	-4.71069846400E-05	Resid phase (deg)	109.5	+/- 0.0

ph/seg (deg)	0.0	Theor.	0.0	Amplitude	2073.136 +/- 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)	2069.070	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.	2070.238	Sample rate(MSamp/s): 4096			ion window (TEC)	0.00	0.00
				Inc. frq. avg.	2070.238	Data rate(Mb/s): 8192	nlags: 8192	t_cohere infinite			



Fringe quality 9

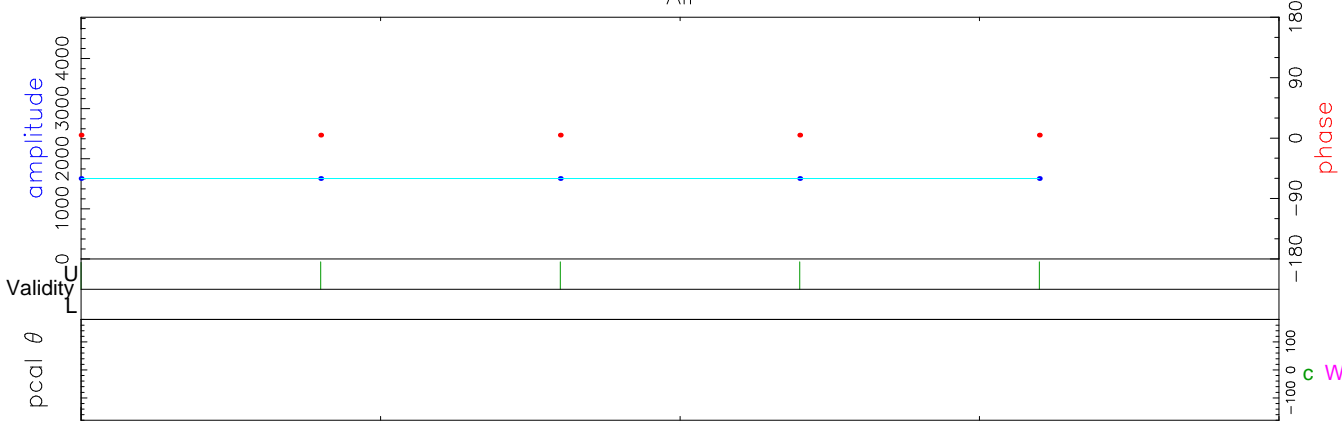
SNR 17562.1
 Int time 3.983
 Amp 1608.934
 Phase 4.4
 PFD 0.0e+00
 Delays (us)
 SBD 0.000015
 MBD -0.000002
 Fringe rate (Hz)
 -0.000690
 Ion TEC 0.000
 Ref freq (MHz)
 230000.0000
 AP (sec) 0.800



Exp. g3
 Exper # 7001
 Yr:day 2012:075
 Start 055800.00
 Stop 055804.00
 FRT 055810.00
 Corr/FF/build
 2016:229:084421
 2016:229:084423
 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	4.4	1606.3	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	4.4	1606.3	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	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)	-1.98724267617E+03	Apriori delay (usec)	-1.98724267439E+03	Resid mbdelay (usec)	-1.78643E-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)	5.27873E-08	+/-	7.9E-11	Delay rate (us/s)	9.50760376066E-02	Apriori rate (us/s)	9.50760406066E-02	Resid rate (us/s)	-3.00000E-09	+/-	3.4E-11	Total phase (deg)	-34.7	Apriori accel (us/s/s)	1.21401177921E-05	Resid phase (deg)	4.4	+/-	0.0

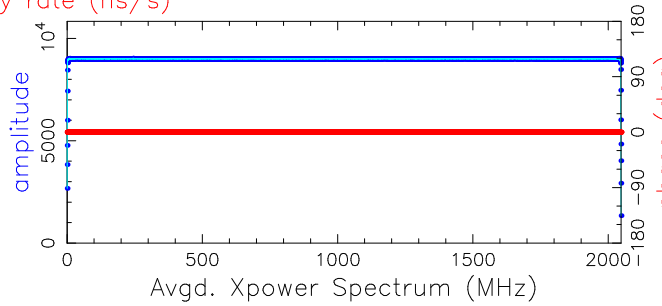
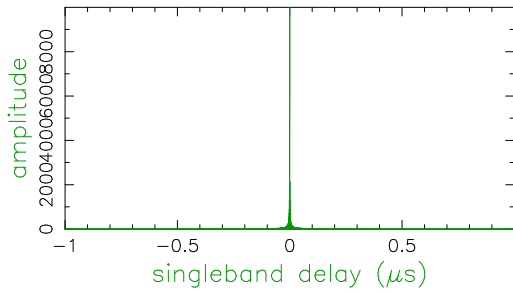
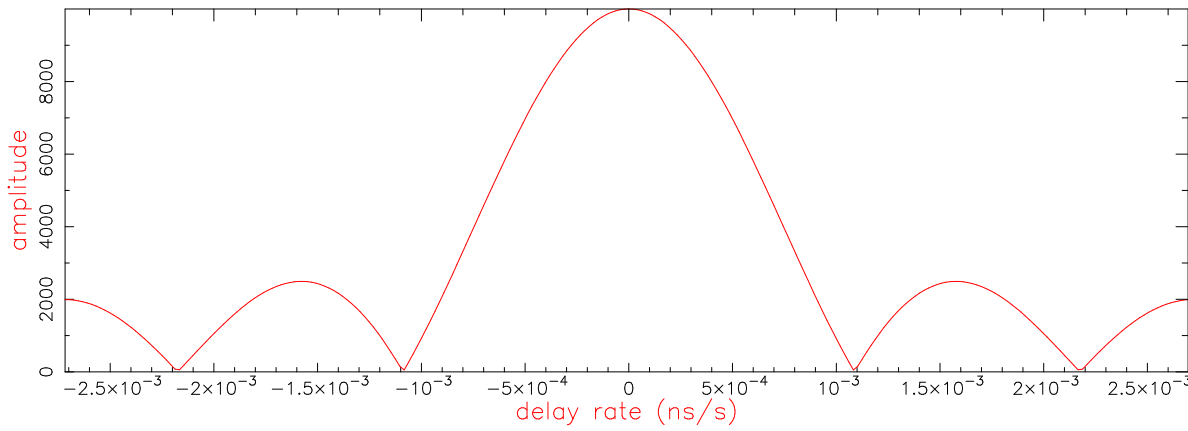
ph/seg (deg)	0.0	0.0	Search (16X8)	1606.288	Pcal mode: MULTITONE, MULTITONE	PC period (AP's)	5, 5	sb window (us)	-1.000	1.000	
amp/seg (%)	0.2	0.0	Interp.	0.000	Pcal rate: 0.000E+00, 0.000E+00	(us/s)		mb window (us)	-0.000	0.000	
ph/frq (deg)	0.0	0.0	Inc. seg. avg.	1606.308	Bits/sample: 2x2	SampCntNorm: disabled		dr window (ns/s)	-0.003	0.003	
amp/frq (%)	0.2	0.0	Inc. frq. avg.	1606.308	Sample rate(MSamp/s): 4096	Data rate(Mb/s): 8192	nlags: 8192	t_cohere infinite	ion window (TEC)	0.00	0.00

c: az 111.3 el 44.1 pa -49.4 W: az 114.3 el 52.1 pa -51.8 u,v (fr/asec) -1485.993 2066.929 simultaneous interpolator
 Control file: cf-7001 Input file: /data/lupin/g3-7001/7001/075-0558/cW..yzpbuF Output file: /data/lupin/g3-7001/7001/075-0558/cW.B.2.yzpbuF

Fringe quality 9

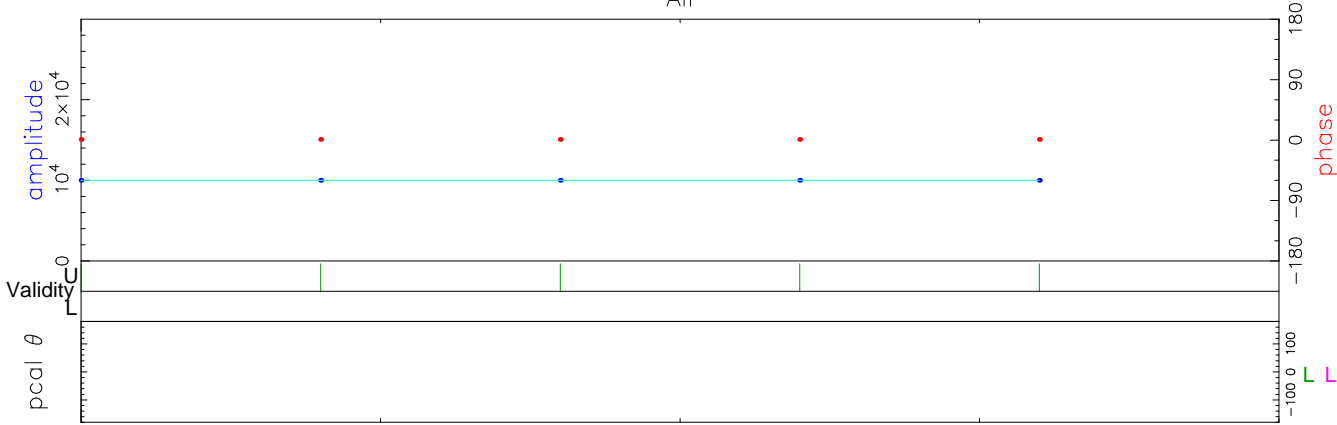
SNR 109299.0
Int time 3.995
Amp 9998.223
Phase 1.0
PFD 0.0e+00
Delays (us)
SBD 0.000000
MBD -0.000003
Fringe rate (Hz)
0.000000
Ion TEC 0.000
Ref freq (MHz)
230000.0000
AP (sec) 0.800

Exp. g3
Exper # 7001
Yr:day 2012:075
Start 055800.00
Stop 055804.00
FRT 055810.00
Corr/FF/build
2016:229:084421
2016:229:084424
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



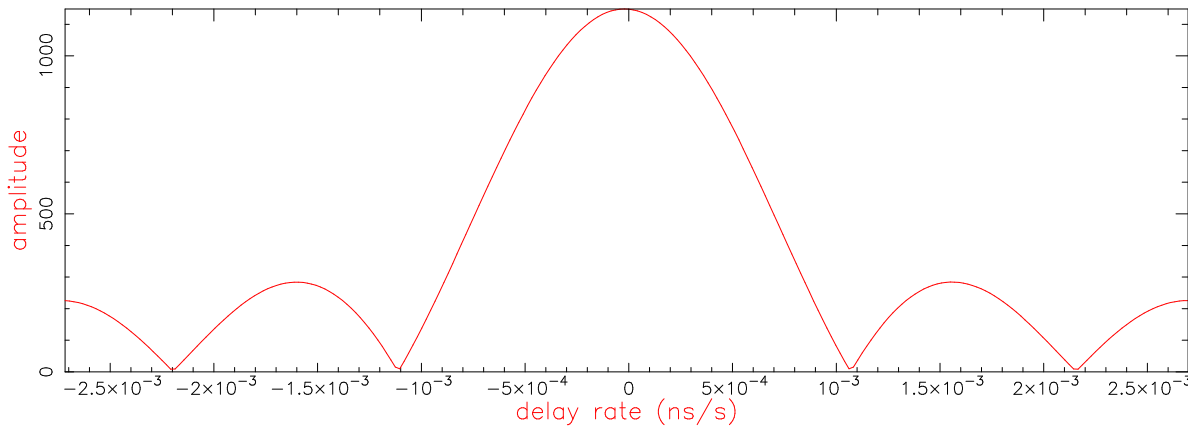
230000.00
1.0
9998.2
8193.0
U/L 5/0
L -inf
L -inf
L:L 0:0
L:L 0:0
L 0
L 0
L B00UR
L B00UR

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)	-2.67391304348E-06	Apriori delay (usec)	0.0000000000E+00	Resid mbdelay (usec)	-2.67391E-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)	1.19047258979E-08	Apriori clockrate (us/s)	0.0000000E+00	Resid phdelay (usec)	1.19047E-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

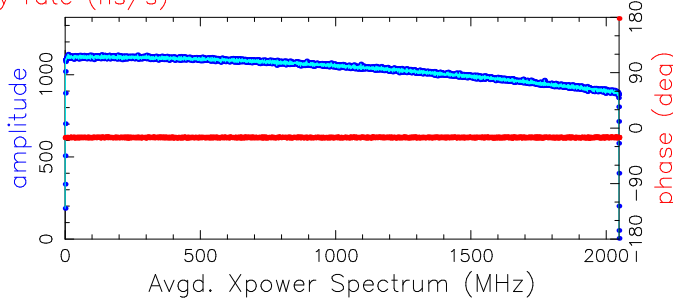
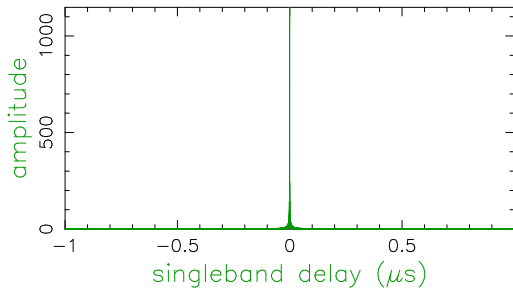
ph/seg (deg)	0.0	RMS	0.0	Theor.	0.0	Amplitude	9998.223 +/- 0.091	Pcal mode:	MULTITONE, MULTITONE	PC period (AP's)	5, 5		
amp/seg (%)	0.0	Search (16X8)	0.000	Inc. seg. avg.	9998.224	Inc. frq. avg.	9998.223	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000 1.000		
ph/frq (deg)	0.0	Interp.	0.000	Inc. seg. avg.	9998.224	Inc. frq. avg.	9998.223	Bits/sample:	2x2	SampCntNorm:	disabled	mb window (us)	-0.000 0.000
amp/frq (%)	0.0	Inc. seg. avg.	9998.224	Inc. frq. avg.	9998.223	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.yzpbu Output file: /data/lupin/g3-7001/7001/075-0558/LL.B.5.yzpbu



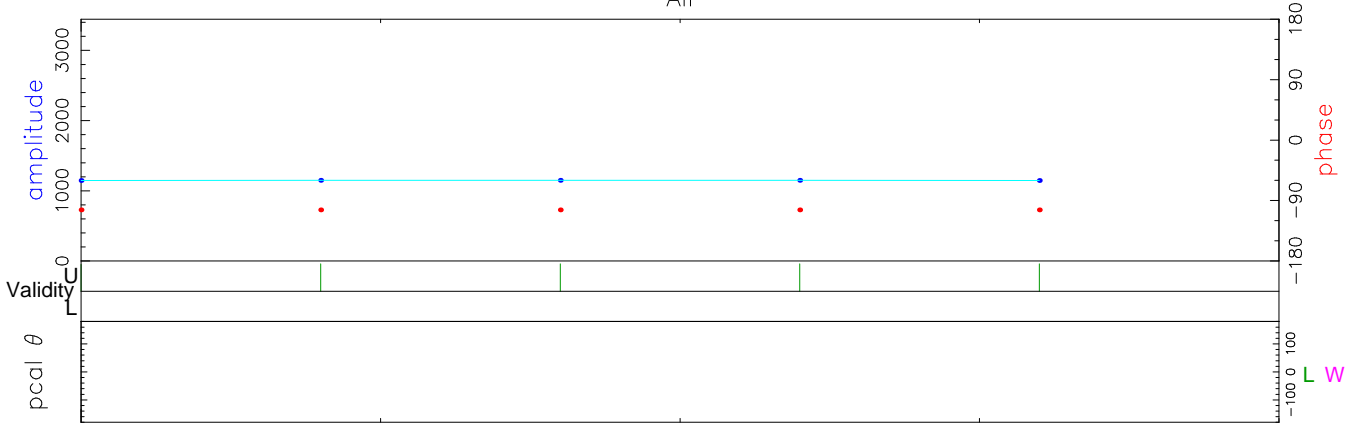
Fringe quality 9

SNR 12535.9
Int time 3.983
Amp 1148.494
Phase -103.8
PFD 0.0e+00
Delays (us)
SBD -0.000243
MBD -0.000003
Fringe rate (Hz)
-0.005250
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
2016:229:084421
2016:229:084423
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
-103.8
1148.5
8191.0
U/L 5/0
L -inf
W -inf
L:W 0:0
L:W 0:0
L 0
W 0
L 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)	-1.20514747955E+04	Apriori delay (usec)	-1.20514747930E+04	Resid mbdelay (usec)	-2.50452E-06	+/-	2.1E-08
Sband delay (usec)	-1.20514750361E+04	Apriori clock (usec)	0.0000000E+00	Resid sbdelay (usec)	-2.43094E-04	+/-	2.1E-08
Phase delay (usec)	-1.20514747942E+04	Apriori clockrate (us/s)	0.0000000E+00	Resid phdelay (usec)	-1.25414E-06	+/-	1.1E-10
Delay rate (us/s)	6.75873830091E-01	Apriori rate (us/s)	6.75873852917E-01	Resid rate (us/s)	-2.28261E-08	+/-	4.8E-11
Total phase (deg)	-242.8	Apriori accel (us/s/s)	5.92471024321E-05	Resid phase (deg)	-103.8	+/-	0.0

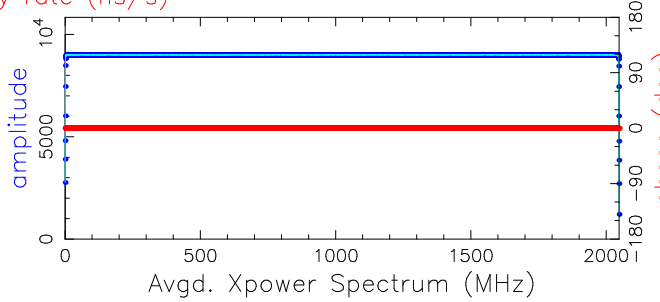
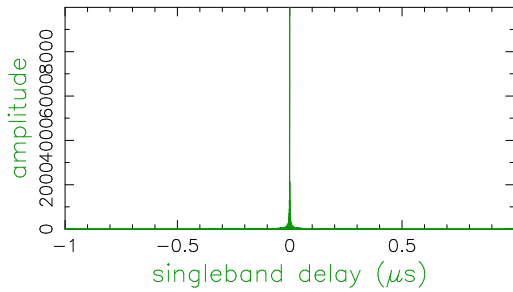
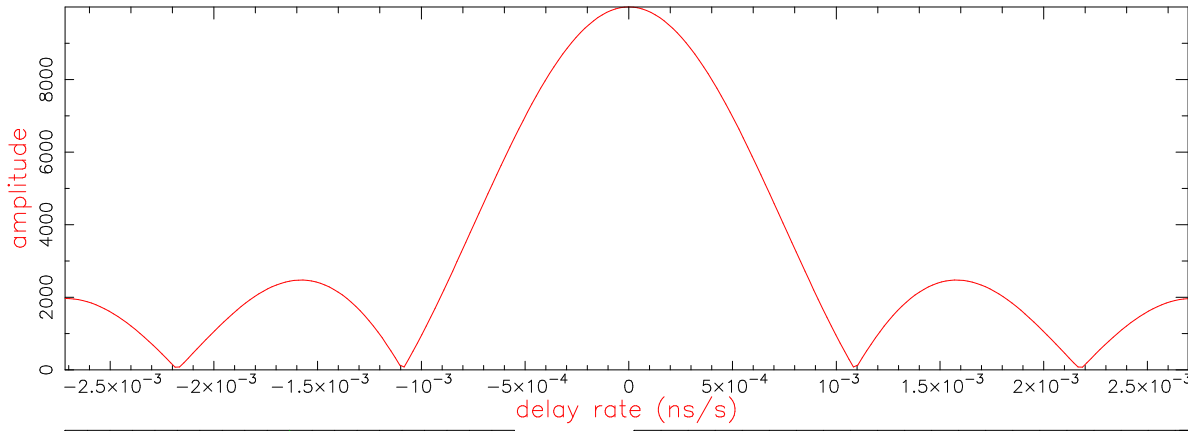
ph/seg (deg)	0.0	Theor.	0.0	Amplitude	1148.494 +/- 0.092	Pcal mode:	MULTITONE, MULTITONE	PC period (AP's)	5, 5	sb window (us)	-1.000	1.000	
amp/seg (%)	0.0	0.0	0.0	Search (16X8)	1147.656	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	mb window (us)	-0.000	0.000			
ph/frq (deg)	0.0	0.0	0.0	Interp.	0.000	Bits/sample:	2x2	SampCntNorm:	disabled	dr window (ns/s)	-0.003	0.003	
amp/frq (%)	0.0	0.0	0.0	Inc. seg. avg.	1148.486	Sample rate(MSamp/s):	4096	Data rate(Mb/s):	8192	nlags:	8192	t_cohere	infinite
				Inc. frq. avg.	1148.486			ion window (TEC)	0.00	0.00			

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..yzpbuF Output file: /data/lupin/g3-7001/7001/075-0558/LW.B.3.yzpbuF

Fringe quality 9

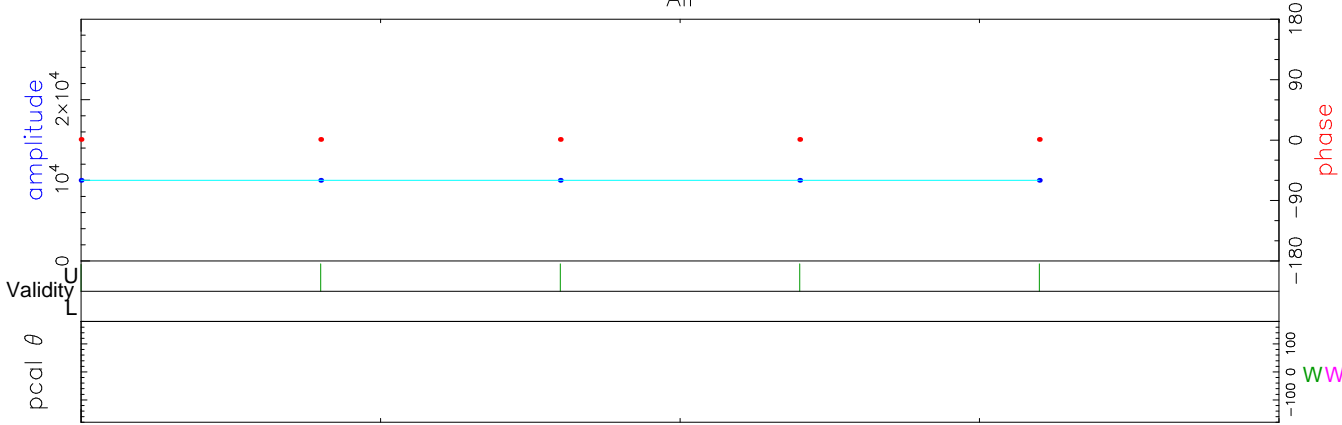
SNR 109134.0
Int time 3.983
Amp 9998.198
Phase 1.0
PFD 0.0e+00
Delays (us)
SBD 0.000000
MBD -0.000003
Fringe rate (Hz)
0.000000
Ion TEC 0.000
Ref freq (MHz)
230000.0000
AP (sec) 0.800

Exp. g3
Exper # 7001
Yr:day 2012:075
Start 055800.00
Stop 055804.00
FRT 055810.00
Corr/FF/build
2016:229:084421
2016:229:084424
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
9998.2
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)	-2.71434782609E-06	Apriori delay (usec)	0.0000000000E+00	Resid mbdelay (usec)	-2.71435E-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)	1.20847485822E-08	Apriori clockrate (us/s)	0.0000000E+00	Resid phdelay (usec)	1.20847E-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	9998.197 +/- 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	Search (16X8)	9998.198	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	Inc. seg. avg.	9998.197		Bits/sample: 2x2	SampCntNorm: disabled		dr window (ns/s)	-0.003	0.003
amp/frq (%)	0.0	0.0	Inc. frq. avg.	9998.198		Sample rate(MSamp/s): 4096			ion window (TEC)	0.00	0.00
W: az 114.3 el 52.1 pa -51.8						Data rate(Mb/s): 8192	nlags: 8192	t_cohere infinite	simultaneous interpolator		