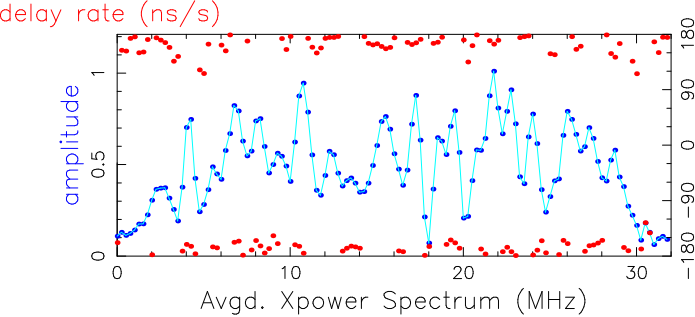
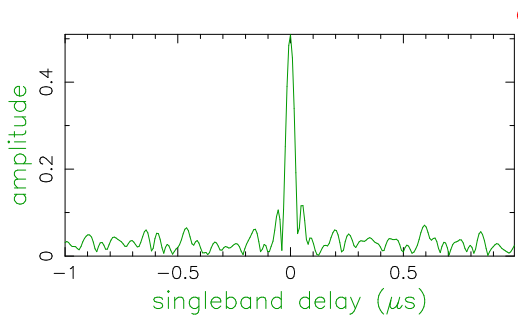


Fringe quality 7

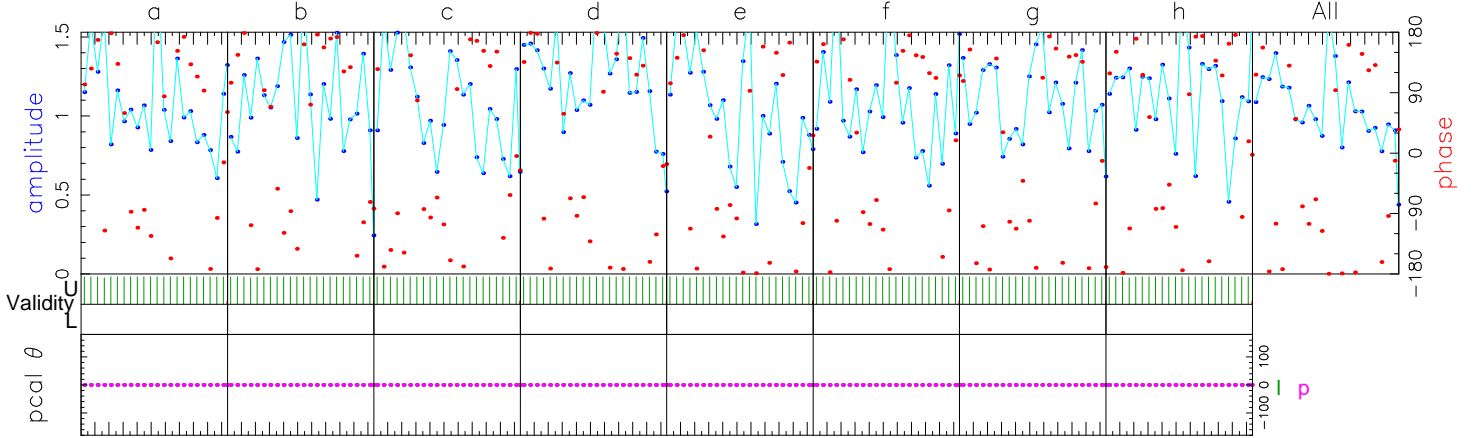
SNR 24.1
Int time 319.453
Amp 0.510
Phase 178.5
PFD 0.0e+00
Delays (us)
SBD -0.001465
MBD -0.001372
Fringe rate (Hz)
-0.008268
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512

Exp. c181d
Exper # 16383
Yr:day 2018:105
Start 203001.00
Stop 204001.06
FRT 203501.00
Corr/FF/build
2018:288:135048
2018:312:154514
2018:249:082454
RA & Dec (J2000)
22h02m43.2914s
+42°16'39.980"



Avgd. Xpower Spectrum (MHz)

Amp. and Phase vs. time for each freq., 23 segs, 53 APs / seg (27.14 sec / seg.), time ticks 30 sec



| | 86124.00 | 86156.00 | 86188.00 | 86220.00 | 86252.00 | 86284.00 | 86316.00 | 86348.00 | Freq (MHz) | All |
|-------------------------|--------------------|-------------|--------------------------|-------------|--------------------|-------------|----------------------|-------------|--------------|-------------|
| | 164.5 | -176.3 | -165.5 | 175.7 | 176.5 | -179.1 | 179.2 | 173.1 | Phase | 178.5 |
| | 0.5 | 0.5 | 0.5 | 0.7 | 0.5 | 0.4 | 0.5 | 0.4 | Ampl. | 0.5 |
| | 128.3 | 128.5 | 129.2 | 129.1 | 128.6 | 128.4 | 129.2 | 128.9 | Sbd box | 128.8 |
| U/L | 1171/0 | 1171/0 | 1171/0 | 1171/0 | 1171/0 | 1171/0 | 1171/0 | 1171/0 | APs used | |
| l | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | PC freqs | |
| p | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | PC freqs | |
| l:p | 0:0 | 0:0 | 0:0 | 0:0 | 0:0 | 0:0 | 0:0 | 0:0 | PC phase | |
| l:p | 0:0 | 0:0 | 0:0 | 0:0 | 0:0 | 0:0 | 0:0 | 0:0 | Manl PC | |
| l | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | PC amp | |
| p | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | | |
| l | W00UR | W01UR,W01LR | W02UR,W02LR | W03UR,W03LR | W04UR,W04LR | W05UR,W05LR | W06UR,W06LR | W07UR,W07LR | Chan ids | |
| p | W00UR | W01UR,W01LR | W02UR,W02LR | W03UR,W03LR | W04UR,W04LR | W05UR,W05LR | W06UR,W06LR | W07UR,W07LR | Tracks | |
| | | | | | | | | | Chan ids | |
| | | | | | | | | | Tracks | |
| Group delay (usec)(sbd) | -1.83286782426E+02 | | Apriori delay (usec) | | -1.83285410531E+02 | | Resid mbdelay (usec) | | -1.37189E-03 | +/- 9.0E-05 |
| Sband delay (usec) | -1.83286875531E+02 | | Apriori clock (usec) | | -1.5921427E+01 | | Resid sbdelay (usec) | | -1.46500E-03 | +/- 7.1E-04 |
| Phase delay (usec) | -1.83285404775E+02 | | Apriori clockrate (us/s) | | -6.2200001E-07 | | Resid phdelay (usec) | | 5.75654E-06 | +/- 1.5E-07 |
| Delay rate (us/s) | 8.20102448303E-03 | | Apriori rate (us/s) | | 8.20112046283E-03 | | Resid rate (us/s) | | -9.59798E-08 | +/- 8.3E-10 |
| Total phase (deg) | | | Apriori accel (us/s/s) | | 2.48800658865E-06 | | Resid phase (deg) | | 178.5 | +/- 4.7 |

RMS Theor. Amplitude 0.510 +/- 0.021 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 ph/seg (deg) 72.2 11.4 Search (4096X32) 0.495 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 amp/seg (%) 118.7 19.9 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 ph/frq (deg) 9.4 6.7 Inc. seg. avg. 1.056 Sample rate(MSamp/s): 64 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite dr window (ns/s) -0.011 0.011
 amp/frq (%) 13.3 11.7 Inc. frq. avg. 0.510 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite ion window (TEC) 0.00 0.00

l: az 301.2 el 33.8 pa 69.4 p: az 301.5 el 34.3 pa 71.8 u,v (fr/asec) -57.395 316.774 simultaneous interpolator
 Control file: cf_1234_gmva Input file: /Exps/c181d/v2_pc1/1234/No0012/lp..0D452X Output file: /Exps/c181d/v2_pc1/1234/No0012/lp.W.70.0D452X