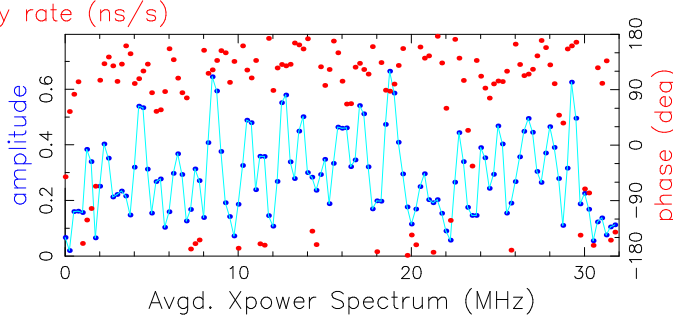
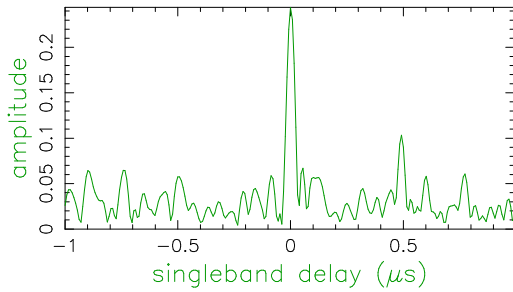
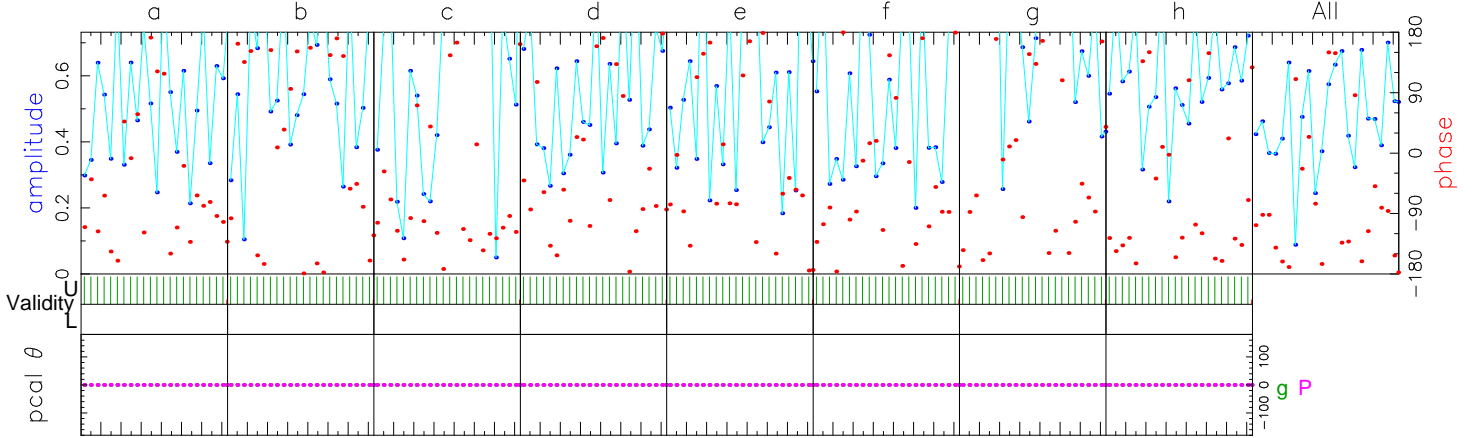


Fringe quality 9
 SNR 9.7
 Int time 418.329
 Amp 0.244
 Phase 49.2
 PFD $9.7\text{e-}14$
 Delays (μs)
 SBD 0.001190
 MBD -0.015515
 Fringe rate (Hz) 0.010723
 Ion TEC 0.000
 Ref freq (MHz) 86140.0000
 AP (sec) 0.512



Exp. c181c
 Exper # 16383
 Yr:day 2018:104
 Start 213001.00
 Stop 213700.84
 FRT 213331.00
 Corr/FF/build
 2018:288:193723
 2018:312:015824
 2018:249:082454
 RA & Dec (J2000)
 04h18m21.2772s
 +38°01'35.800"

Amp. and Phase vs. time for each freq., 23 segs, 37 APs / seg (18.94 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 |
|-------------------------|----------|-------------------|----------|--------------------------|--------------------|----------|----------------------|--------------|------------|---------|
| | -103.7 | -179.7 | -122.0 | -108.5 | -130.9 | -114.1 | -132.9 | -138.5 | Phase | -130.8 |
| | 0.2 | 0.3 | 0.3 | 0.2 | 0.2 | 0.2 | 0.4 | 0.3 | Ampl. | 0.3 |
| | 130.4 | 129.9 | 129.1 | 127.3 | 140.7 | 130.0 | 128.6 | 129.2 | Sbd box | 129.2 |
| U/L | 820/0 | 820/0 | 820/0 | 820/0 | 820/0 | 820/0 | 820/0 | 820/0 | APs used | |
| g | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | PC freqs | |
| P | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | PC freqs | |
| g:P | 0:0 | 0:0 | 0:0 | 0:0 | 0:0 | 0:0 | 0:0 | 0:0 | PC phase | |
| g:P | 0:0 | 0:0 | 0:0 | 0:0 | 0:0 | 0:0 | 0:0 | 0:0 | Manl PC | |
| Pg | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | PC amp | |
| Pg | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | | |
| g | W00UR | W01UR | W02UR | W03UR | W04UR | W05UR | W06UR | W07UR | Chan ids | |
| P | W00UR | W01UR | W02UR | W03UR | W04UR | W05UR | W06UR | W07UR | Tracks | |
| | | | | | | | | | Chan ids | |
| | | | | | | | | | Tracks | |
| Group delay (usec)(sbd) | | 1.00346190395E+04 | | Apriori delay (usec) | 1.00346033049E+04 | | Resid mbdelay (usec) | -1.55154E-02 | +/- | 2.2E-04 |
| Sband delay (usec) | | 1.00346044949E+04 | | Apriori clock (usec) | 1.3321248E+01 | | Resid sbdelay (usec) | 1.19000E-03 | +/- | 1.8E-03 |
| Phase delay (usec) | | 1.00346033007E+04 | | Apriori clockrate (us/s) | 6.3339997E-06 | | Resid phdelay (usec) | -4.21744E-06 | +/- | 3.8E-07 |
| Delay rate (us/s) | | 8.11889812597E-01 | | Apriori rate (us/s) | 8.11889688110E-01 | | Resid rate (us/s) | 1.24487E-07 | +/- | 1.6E-09 |
| Total phase (deg) | | 294.8 | | Apriori accel (us/s/s) | -2.75203870276E-05 | | Resid phase (deg) | 49.2 | +/- | 11.9 |

ph/seg (deg) 69.3 28.5
 amp/seg (%) 110.7 49.7
 ph/frq (deg) 26.0 16.8
 amp/frq (%) 27.1 29.3

RMS Theor. Amplitude 0.244 +/- 0.025
 Search (2048X32) 0.237
 Interp. 0.000
 Inc. seg. avg. 0.418
 Inc. frq. avg. 0.252

g: az 219.4 el 49.0 pa 11.0 P: az 305.2 el 17.0 pa 55.5 u,v (fr/asec) -5949.605 935.309

Group delay (usec)(sbd) 1.00346190395E+04 Apriori delay (usec) 1.00346033049E+04 Resid mbdelay (usec) -1.55154E-02 +/- 2.2E-04
 Sband delay (usec) 1.00346044949E+04 Apriori clock (usec) 1.3321248E+01 Resid sbdelay (usec) 1.19000E-03 +/- 1.8E-03
 Phase delay (usec) 1.00346033007E+04 Apriori clockrate (us/s) 6.3339997E-06 Resid phdelay (usec) -4.21744E-06 +/- 3.8E-07
 Delay rate (us/s) 8.11889812597E-01 Apriori rate (us/s) 8.11889688110E-01 Resid rate (us/s) 1.24487E-07 +/- 1.6E-09
 Total phase (deg) 294.8 Apriori accel (us/s/s) -2.75203870276E-05 Resid phase (deg) 49.2 +/- 11.9

PCal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 PCal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 Sample rate(MSamp/s): 64 dr window (ns/s) -0.011 0.011
 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite ion window (TEC) 0.00 0.00

simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c181c/v2_pc1/1234/No0032/gP..0D2WOD Output file: /Exps/c181c/v2_pc1/1234/No0032/gP.W.6.0D2WOD