

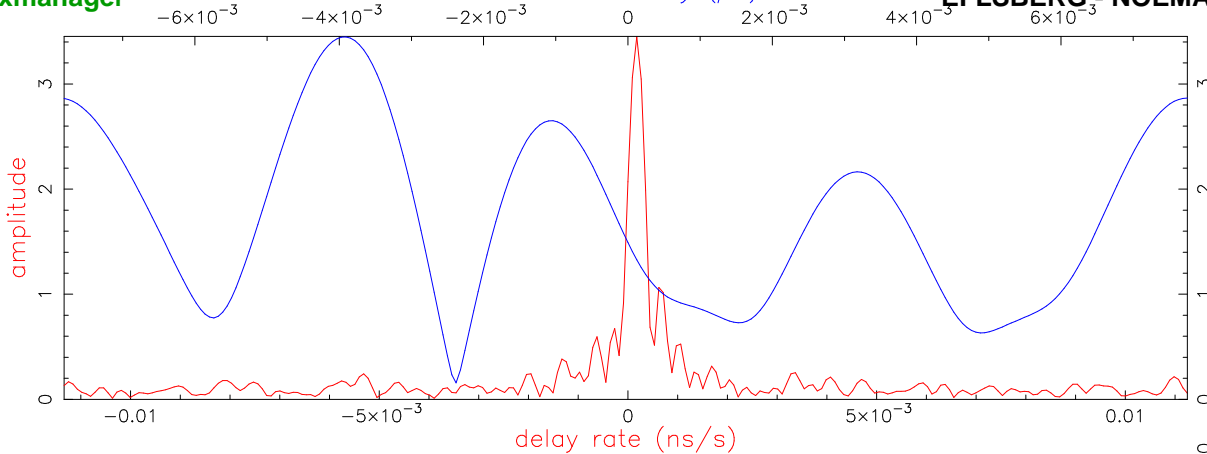
Mk4/DiFX fourfit 3.21 rev 2937

fxmanager

0420-014.1N7VBA, No0002, BN

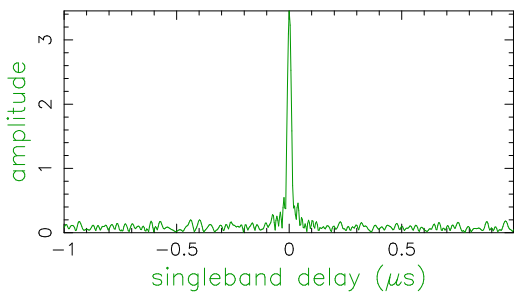
EFLSBERG - NOEMA, fgroup W, pol LR

multiband delay (μ s)

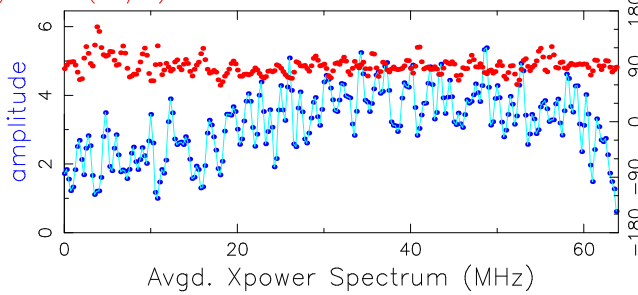


Fringe quality 4

SNR 52.7
 Int time 31.197
 Amp 3.453
 Phase 140.2
 PFD 0.0e+00
 Delays (us)
 SBD 0.000471
 MBD -0.003924
 Fringe rate (Hz) 0.015761
 Ion TEC 0.000
 Ref freq (MHz) 86140.0000
 AP (sec) 0.512

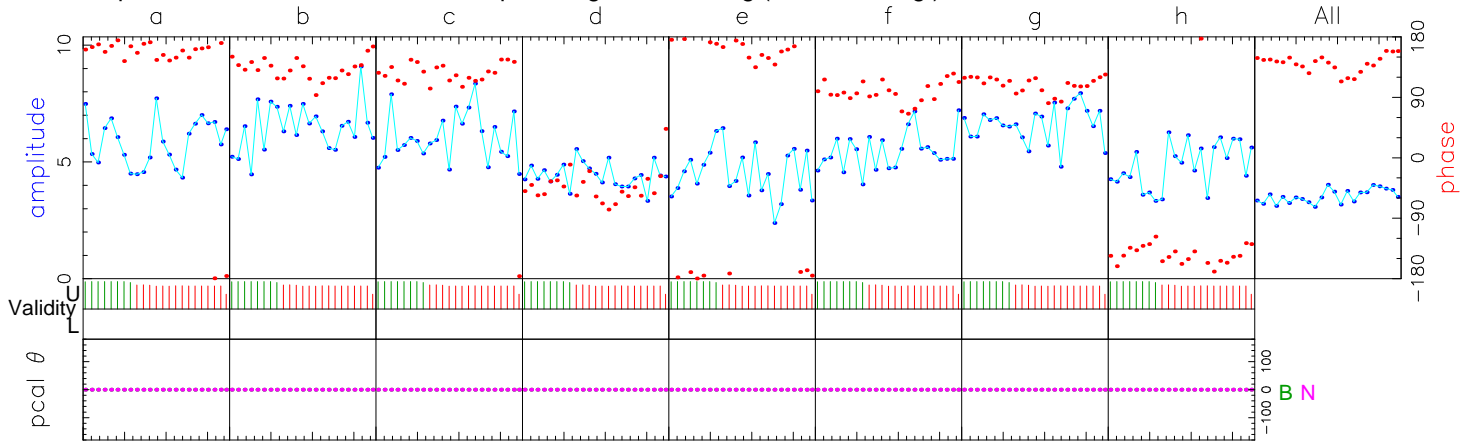


delay rate (ns/s)



Exp. f211a
 Exper # 16383
 Yr:day 2021:112
 Start 121500.00
 Stop 121534.82
 FRT 121730.00
 Corr/FF/build
 2021:112:203843
 2021:112:204715
 2021:057:122453
 RA & Dec (J2000)
 04h23m15.800724s
 --1°20'33.065613"

Amp. and Phase vs. time for each freq., 23 segs, 3 APs / seg (1.54 sec / seg.), time ticks 2 sec



| | 86012.00 | 86076.00 | 86140.00 | 86204.00 | 86268.00 | 86332.00 | 86396.00 | 86460.00 | Freq (MHz) | All |
|-------------------------|--------------------|----------|-----------------|-----------------|--------------------|----------|----------|----------|--|---|
| U/L | 68/0 | 68/0 | 68/0 | 68/0 | 68/0 | 68/0 | 68/0 | 68/0 | APs used | |
| B | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | PC freqs | |
| N | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | PC freqs | |
| B:N | 0:0 | 0:0 | 0:0 | 0:0 | 0:0 | 0:0 | 0:0 | 0:0 | PC phase | |
| B:N | 0:0 | 0:0 | 0:0 | 0:0 | 0:0 | 0:0 | 0:0 | 0:0 | Mani PC | |
| B | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | PC amp | |
| N | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | | |
| B | W00UL | W01UL | W02UL | W03UL | W04UL | W05UL | W06UL | W07UL | Chan ids | |
| N | W00UR | W01UR | W02UR | W03UR | W04UR | W05UR | W06UR | W07UR | Tracks | |
| Group delay (usec)(sbd) | -1.41118011715E+03 | | | | -1.41117619308E+03 | | | | Resid mbdelay (usec) | -3.92407E-03 +/- 2.1E-05 |
| Sband delay (usec) | -1.41117572183E+03 | | | | -8.7352734E+00 | | | | Resid sbdelay (usec) | 4.71250E-04 +/- 1.6E-04 |
| Phase delay (usec) | -1.41117618856E+03 | | | | -3.0850001E-09 | | | | Resid phdelay (usec) | 4.52234E-06 +/- 7.0E-08 |
| Delay rate (us/s) | -6.51946326734E-02 | | | | -6.51948156399E-02 | | | | Resid rate (us/s) | 1.82967E-07 +/- 3.5E-09 |
| Total phase (deg) | | | 42.3 | | 7.28082942315E-06 | | | | Resid phase (deg) | 140.2 +/- 2.2 |
| | RMS | Theor. | Amplitude | 3.453 +/- 0.065 | | | | | PCal mode: MANUAL, MANUAL | PC period (AP's) 5, 5 |
| ph/seg (deg) | 11.9 | 5.2 | Search (256X32) | 3.441 | | | | | PCal rate: 0.000E+00, 0.000E+00 (us/s) | sb window (us) -1.000 1.000 |
| amp/seg (%) | 8.4 | 9.1 | Interp. | 0.000 | | | | | Bits/sample: 2x2 | SampCntNorm: enabled mb window (us) -0.008 0.008 |
| ph/frq (deg) | 82.0 | 3.1 | Inc. seg. avg. | 3.509 | | | | | Sample rate(MISamp/s): 128 | dr window (ns/s) -0.011 0.011 |
| amp/frq (%) | 59.8 | 5.4 | Inc. frq. avg. | 5.344 | | | | | Data rate(Mb/s): 2048 | nlags: 256 t_cohere infinite ion window (TEC) 0.00 0.00 |

B: az 149.5 el 34.0 pa -18.8 N: az 146.0 el 38.6 pa -23.0 u,v (fr/asec) 381.057 600.826 simultaneous interpolator
 Control file: cf_1234_gmva Input file: /Exps/f211a/FRINGE/1234/No0002/BN..1N7VBA Output file: /Exps/f211a/FRINGE/1234/No0002/BN.W.9.1N7VBA