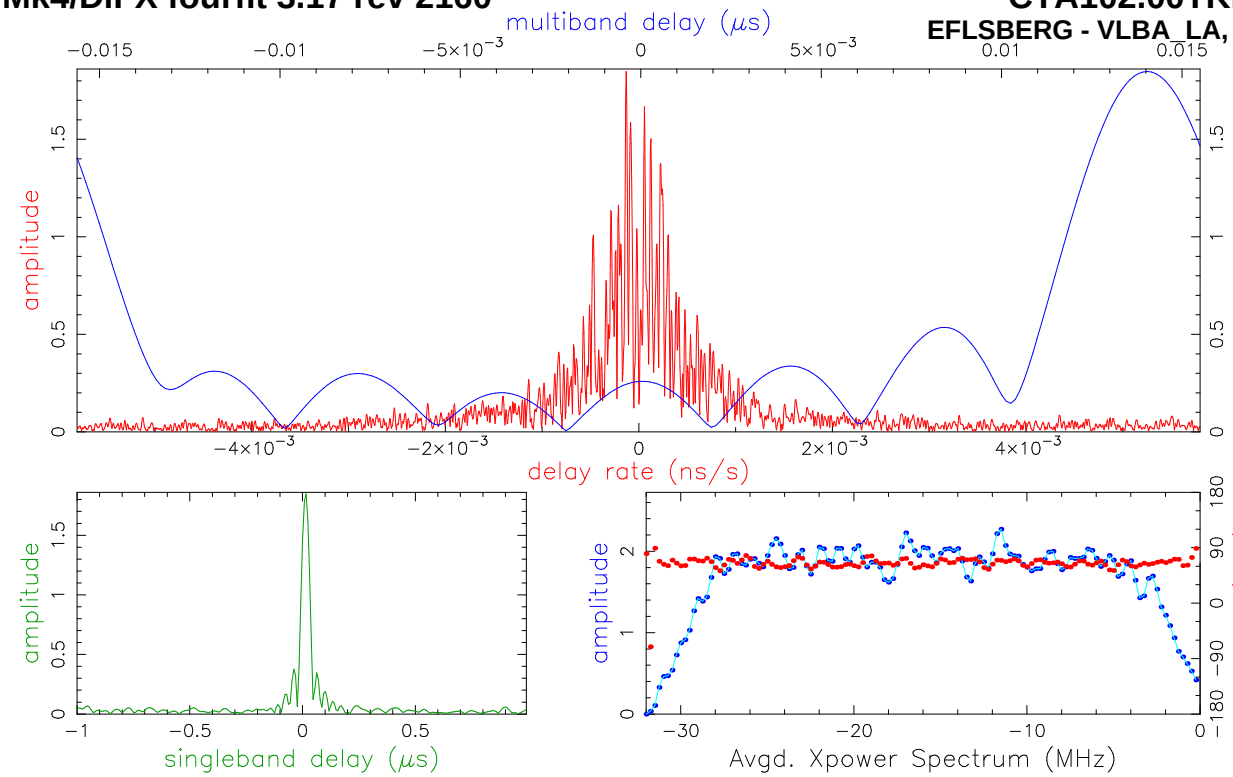
# Mk4/DiFX fourfit 3.17 rev 2160

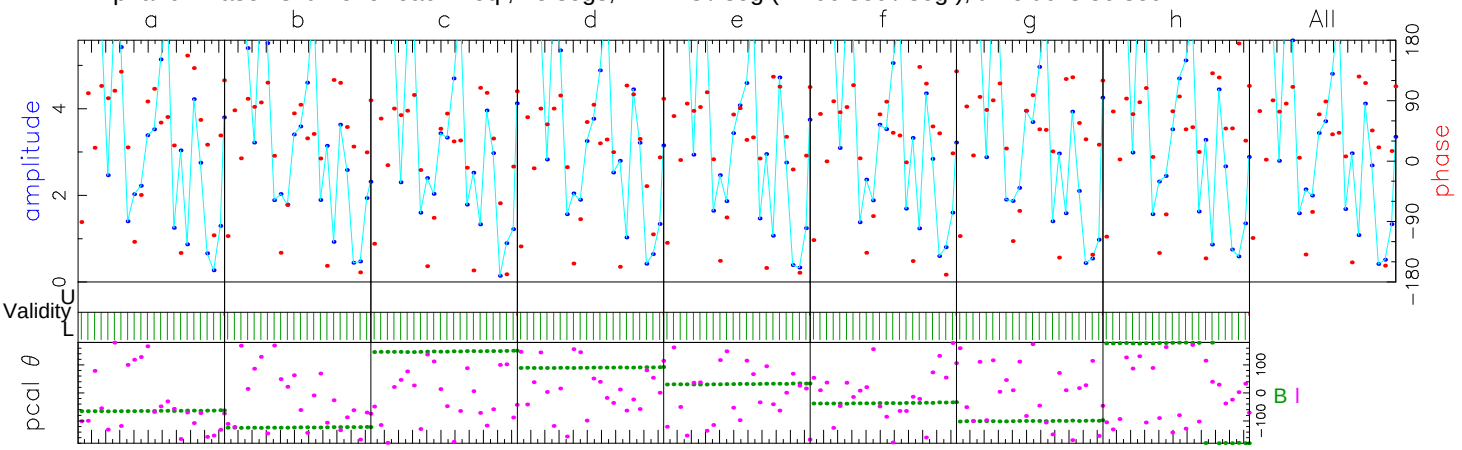
## CTA102.00TKI4, No0238, Bl

**EFLSBERG - VLBA_LA, fgroup W, pol RR**




| | |
|---|---|
| Fringe quality | 4 |
| SNR | 87.9 |
| Int time | 596.415 |
| Amp | 1.861 |
| Phase | 68.6 |
| PFD | 0.0e+00 |
| Delays (us) | |
| SBD | 0.013378 |
| MBD | 0.014031 |
| Fringe rate (Hz) | |
| | -0.011377 |
| Ion TEC | 0.000 |
| Ref freq (MHz) | |
| | 86140.0000 |
| AP (sec) | 1.000 |
| Exp. | c172c |
| Exper # | 16383 |
| Yr:day | 2017:274 |
| Start | 010003.00 |
| Stop | 011000.00 |
| FRT | 010500.00 |
| Corr/FF/build | |
| | 2018:021:015504 |
| | 2018:074:024546 |
| | 2018:058:134248 |
| RA & Dec (J2000) | |
| | 22h32m36.4089s |
| | +11°43'50.904" |

Amp. and Phase vs. time for each freq., 23 segs, 27 APs / seg (27.00 sec / seg.), time ticks 30 sec




| | 86156.00 | 86188.00 | 86220.00 | 86252.00 | 86284.00 | 86316.00 | 86348.00 | 86380.00 | Freq (MHz) | All |
|---|---|---|---|---|---|---|---|---|---|---|
| | 88.3 | 67.3 | 55.9 | 54.8 | 65.3 | 68.6 | 75.6 | 74.0 | Phase | 68.6 |
| | 1.8 | 1.8 | 1.8 | 1.9 | 2.0 | 1.8 | 1.9 | 2.0 | Ampl. | 1.9 |
| | 130.4 | 130.4 | 130.8 | 130.9 | 130.9 | 130.8 | 130.9 | 130.6 | Sbd box | 130.7 |
| U/L | 0/597 | 0/597 | 0/597 | 0/597 | 0/597 | 0/597 | 0/597 | 0/597 | APs used | |
| B | -1000 | -1000 | -1000 | -1000 | -1000 | -1000 | -1000 | -1000 | PC freqs | |
| I | -1000 | -1000 | -1000 | -1000 | -1000 | -1000 | -1000 | -1000 | PC freqs | |
| B:I | 0:0 | 0:0 | 0:0 | 0:0 | 0:0 | 0:0 | 0:0 | 0:0 | PC phase | |
| B:I | 0:0 | 0:0 | 0:0 | 0:0 | 0:0 | 0:0 | 0:0 | 0:0 | Manl PC | |
| B | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | PC amp | |
| I | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | | |
| B | W00LR | W01LR | W02LR | W03LR | W04LR | W05LR | W06LR | W07LR | Chan ids<br>Tracks | |
| I | W00LR | W01LR | W02LR | W03LR | W04LR | W05LR | W06LR | W07LR | Chan ids<br>Tracks | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Group delay (usec)(sbd) | -3.54128999951E+02 | Apriori delay (usec) | -3.54143030545E+02 | Resid mbdelay (usec) | 1.40306E-02 | +/- | 2.5E-05 |
| Sband delay (usec) | -3.54129652545E+02 | Apriori clock (usec) | 3.3783058E+01 | Resid sbdelay (usec) | 1.33780E-02 | +/- | 2.0E-04 |
| Phase delay (usec) | -3.54143028334E+02 | Apriori clockrate (us/s) | 9.9999998E-09 | Resid phdelay (usec) | 2.21109E-06 | +/- | 4.2E-08 |
| Delay rate (us/s) | -1.84063006188E+00 | Apriori rate (us/s) | -1.84062992980E+00 | Resid rate (us/s) | -1.32078E-07 | +/- | 1.2E-10 |
| Total phase (deg) | -165.8 | Apriori accel (us/s/s) | 6.39263681273E-06 | Resid phase (deg) | 68.6 | +/- | 1.3 |

| | RMS | Theor. | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Amplitude | 1.861 +/- 0.021 | Pcal mode: MANUAL, MANUAL | PC period (AP's) 5, 5 | | |
| ph/seg (deg) | 79.9 | 3.1 | Search (2048X32) | 1.797 | Pcal rate: 0.000E+00, 0.000E+00 (us/s) | | sb window (us) | -1.000 1.000 |
| amp/seg (%) | 151.4 | 5.5 | Interp. | 0.000 | Bits/sample: 2x2 | SampCntNorm: enabled | mb window (us) | -0.016 0.016 |
| ph/frq (deg) | 11.8 | 1.8 | Inc. seg. avg. | 3.642 | Sample rate(MSamp/s): 64 | | dr window (ns/s) | -0.006 0.006 |
| amp/frq (%) | 4.4 | 3.2 | Inc. frq. avg. | 1.876 | Data rate(Mb/s): 1024 | nlags: 128 t_cohere infinite | ion window (TEC) | 0.00 0.00 |

B: az 247.9 el 31.9 pa 37.0 l: az 98.3 el 31.4 pa -54.9 u,v (fr/asec) 10779.849 1674.752 simultaneous interpolator

Control file: cf_1234 Input file: /Exps/c172c/v3_v1_merge/1234/No0238/Bl..00TKI4 Output file: /Exps/c172c/v3_v1_merge/1234/No0238/Bl.W.238.00TKI4