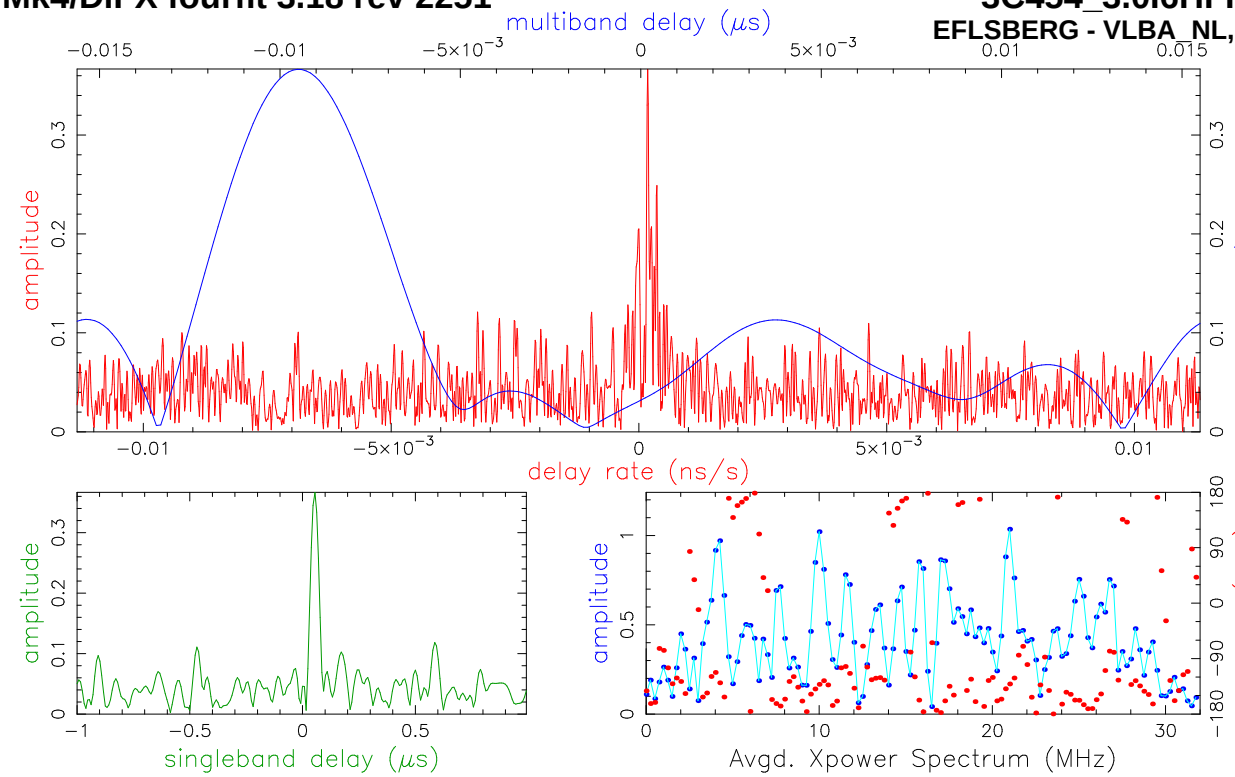
# Mk4/DiFX fourfit 3.18 rev 2251

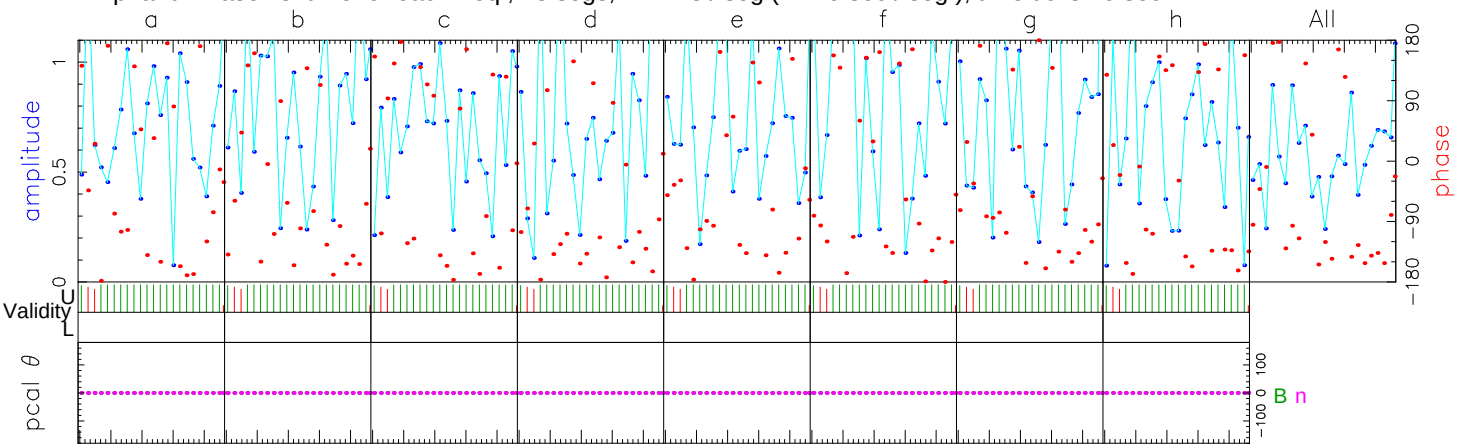
## 3C454_3.0I6HFP, No0239, Bn

**EFLSBERG - VLBA_NL, fgroup W, pol LL**




| | |
|---|---|
| Fringe quality | 9 |
| SNR | 11.7 |
| Int time | 269.970 |
| Amp | 0.367 |
| Phase | 218.6 |
| PFD | 5.6e-23 |
| Delays (us) | |
| SBD | 0.053847 |
| MBD | -0.009486 |
| Fringe rate (Hz) | |
| | 0.015197 |
| Ion TEC | 0.000 |
| Ref freq (MHz) | |
| | 86140.0000 |
| AP (sec) | 0.512 |
| Exp. | c182b |
| Exper # | 16383 |
| Yr:day | 2018:273 |
| Start | 031756.64 |
| Stop | 032230.05 |
| FRT | 031845.00 |
| Corr/FF/build | |
| | 2019:044:222001 |
| | 2019:046:035318 |
| | 2018:249:082454 |
| RA & Dec (J2000) | |
| | 22h53m57.7479s |
| | +16°08'53.561" |

Amp. and Phase vs. time for each freq., 23 segs, 24 APs / seg (12.29 sec / seg.), time ticks 10 sec

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|---|---|---|---|---|---|---|---|---|---|---|
| | 86124.00 | 86156.00 | 86188.00 | 86220.00 | 86252.00 | 86284.00 | 86316.00 | 86348.00 | Freq (MHz) | All |
| | -131.1 | -132.1 | -171.1 | -140.2 | -135.1 | -147.7 | -110.8 | -159.1 | Phase | -141.4 |
| | 0.3 | 0.4 | 0.4 | 0.5 | 0.3 | 0.5 | 0.4 | 0.4 | Ampl. | 0.4 |
| | 188.9 | 135.7 | 134.6 | 136.0 | 239.7 | 136.4 | 136.4 | 136.4 | Sbd box | 135.9 |
| U/L | 530/0 | 530/0 | 530/0 | 530/0 | 530/0 | 530/0 | 530/0 | 530/0 | 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 | Manl 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<br>Tracks | |
| n | W00UL | W01UL | W02UL | W03UL | W04UL | W05UL | W06UL | W07UL | Chan ids<br>Tracks | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Group delay (usec)(sbd) | -1.20886135041E+04 | Apriori delay (usec) | -1.20886665185E+04 | Resid mbdelay (usec) | -9.48560E-03 | +/- | 1.9E-04 |
| Sband delay (usec) | -1.20886126715E+04 | Apriori clock (usec) | 5.3508587E+00 | Resid sbdelay (usec) | 5.38470E-02 | +/- | 1.5E-03 |
| Phase delay (usec) | -1.20886665231E+04 | Apriori clockrate (us/s) | -5.9230003E-07 | Resid phdelay (usec) | -4.55841E-06 | +/- | 3.2E-07 |
| Delay rate (us/s) | -1.26009500122E+00 | Apriori rate (us/s) | -1.26009517765E+00 | Resid rate (us/s) | 1.76423E-07 | +/- | 2.0E-09 |
| Total phase (deg) | 252.7 | Apriori accel (us/s/s) | 6.76518537829E-05 | Resid phase (deg) | 218.6 | +/- | 9.8 |

| | RMS | Theor. | | | | | |
|---|---|---|---|---|---|---|---|
| | | | Amplitude | 0.367 +/- 0.031 | Pcal mode: MANUAL, MANUAL | PC period (AP's) 5, 5 | |
| ph/seg (deg) | 64.0 | 23.5 | Search (2048X32) | 0.363 | Pcal rate: 0.000E+00, 0.000E+00 (us/s) | sb window (us) | -1.000 1.000 |
| amp/seg (%) | 76.2 | 41.0 | Interp. | 0.000 | Bits/sample: 2x2 SampCntNorm: enabled | mb window (us) | -0.016 0.016 |
| ph/frq (deg) | 20.0 | 13.9 | Inc. seg. avg. | 0.534 | Sample rate(MSamp/s): 64 | dr window (ns/s) | -0.011 0.011 |
| amp/frq (%) | 23.7 | 24.3 | Inc. frq. avg. | 0.373 | Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite | ion window (TEC) | 0.00 0.00 |

B: az 273.3 el 18.5 pa 41.3 n: az 143.5 el 60.2 pa -26.8 u,v (fr/asec) 7631.274 2402.072 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c182b/v1/1234/No0239/Bn..0I6HFP Output file: /Exps/c182b/v1/1234/No0239/Bn.W.23.0I6HFP