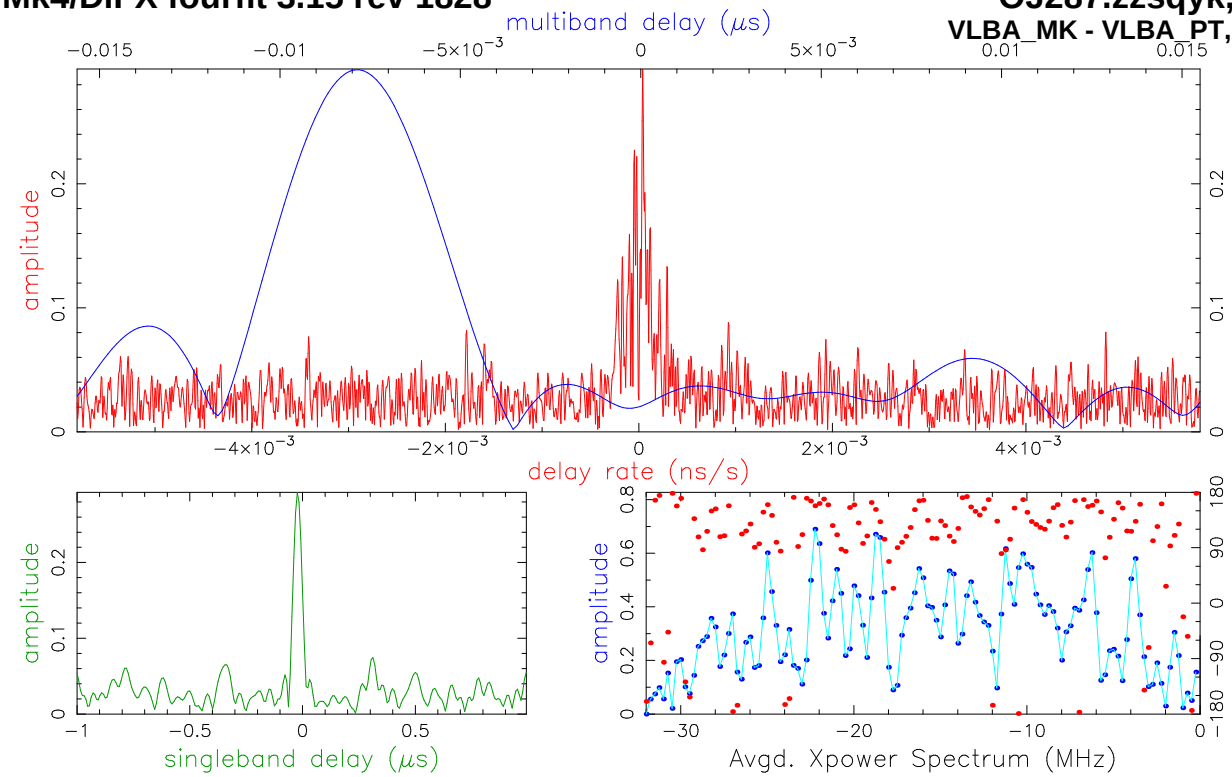
# Mk4/DiFX fourfit 3.15 rev 1828

## OJ287.zzsqyk, No0010, mp

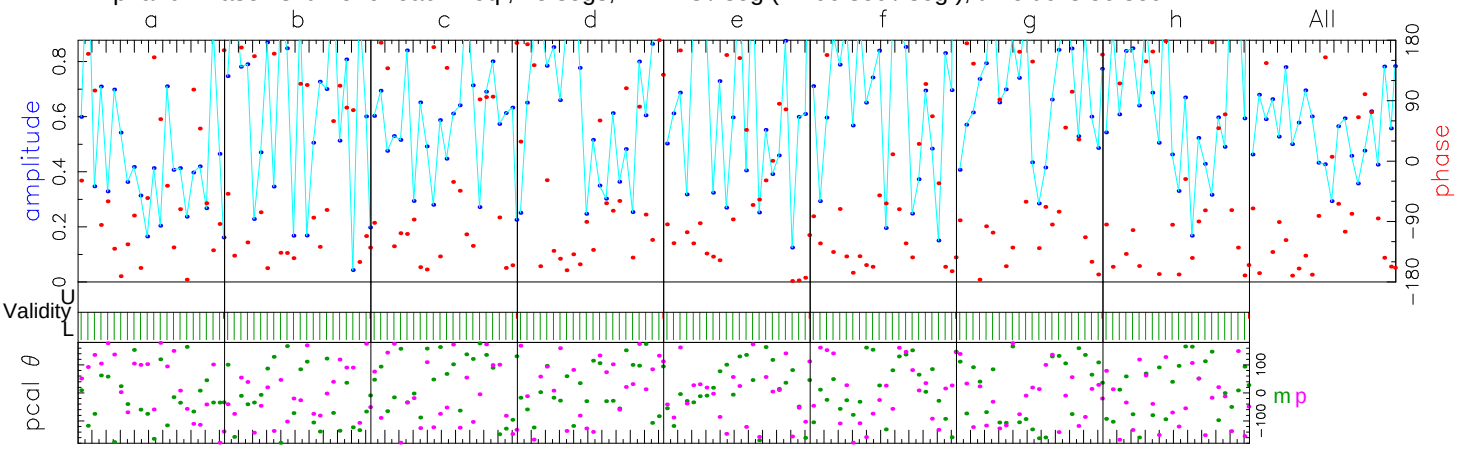
**VLBA_MK - VLBA_PT, fgroup W, pol LR**




Fringe quality 9

| | |
|---|---|
| SNR | 13.9 |
| Int time | 599.980 |
| Amp | 0.293 |
| Phase | -138.4 |
| PFD | 3.2e-35 |
| Delays (us) | |
| SBD | -0.022063 |
| MBD | -0.007853 |
| Fringe rate (Hz) | |
| | 0.003261 |
| Ion TEC | 0.000 |
| Ref freq (MHz) | |
| | 86140.0000 |
| AP (sec) | 1.000 |
| Exp. | c172b |
| Exper # | 16383 |
| Yr:day | 2017:272 |
| Start | 144001.00 |
| Stop | 145001.00 |
| FRT | 144501.00 |
| Corr/FF/build | |
| | 2018:047:104122 |
| | 2018:051:155948 |
| | 2017:188:152524 |
| RA & Dec (J2000) | |
| | 08h54m48.8749s |
| | +20°06'30.641" |

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 |
| | -124.5 | -149.7 | -139.4 | -147.5 | -129.5 | -127.4 | -138.2 | -145.3 | Phase | -138.4 |
| | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | Ampl. | 0.3 |
| | 127.1 | 125.3 | 126.4 | 125.7 | 125.7 | 126.1 | 126.7 | 126.5 | Sbd box | 126.2 |
| U/L | 0/600 | 0/600 | 0/600 | 0/600 | 0/600 | 0/600 | 0/600 | 0/600 | APs used | |
| m | -1000 | -1000 | -1000 | -1000 | -1000 | -1000 | -1000 | -1000 | PC freqs | |
| p | -1000 | -1000 | -1000 | -1000 | -1000 | -1000 | -1000 | -1000 | PC freqs | |
| m:p | 0:0 | 0:0 | 0:0 | 0:0 | 0:0 | 0:0 | 0:0 | 0:0 | PC phase | |
| m:p | 0:0 | 0:0 | 0:0 | 0:0 | 0:0 | 0:0 | 0:0 | 0:0 | Manl PC | |
| m | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | PC amp | |
| p | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | | |
| m | W00LL | W01LL | W02LL | W03LL | W04LL | W05LL | W06LL | W07LL | Chan ids | |
| | | | | | | | | | Tracks | |
| p | W00LR | W01LR | W02LR | W03LR | W04LR | W05LR | W06LR | W07LR | Chan ids | |
| | | | | | | | | | Tracks | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Group delay (usec)(sbd) | -8.26165856875E+03 | Apriori delay (usec) | -8.26165071588E+03 | Resid mbdelay (usec) | -7.85287E-03 | +/- | 1.6E-04 |
| Sband delay (usec) | -8.26167277888E+03 | Apriori clock (usec) | 1.4502053E+00 | Resid sbdelay (usec) | -2.20630E-02 | +/- | 1.2E-03 |
| Phase delay (usec) | -8.26165072035E+03 | Apriori clockrate (us/s) | 7.5999997E-08 | Resid phdelay (usec) | -4.46450E-06 | +/- | 2.7E-07 |
| Delay rate (us/s) | 9.27813084186E-01 | Apriori rate (us/s) | 9.27813046326E-01 | Resid rate (us/s) | 3.78602E-08 | +/- | 7.7E-10 |
| Total phase (deg) | -18.3 | Apriori accel (us/s/s) | 3.52645021685E-05 | Resid phase (deg) | -138.4 | +/- | 8.3 |

| | RMS | Theor. | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Amplitude | 0.293 +/- 0.021 | Pcal mode: MANUAL, MANUAL | PC period (AP's) 5, 5 | | |
| ph/seg (deg) | 73.5 | 19.8 | Search (2048X32) | 0.287 | Pcal rate: 0.000E+00, 0.000E+00 (us/s) | | sb window (us) | -1.000 1.000 |
| amp/seg (%) | 98.3 | 34.6 | Interp. | 0.000 | Bits/sample: 2x2 | SampCntNorm: enabled | mb window (us) | -0.016 0.016 |
| ph/frq (deg) | 10.4 | 11.7 | Inc. seg. avg. | 0.520 | Sample rate(MSamp/s): 64 | | dr window (ns/s) | -0.006 0.006 |
| amp/frq (%) | 16.9 | 20.4 | Inc. frq. avg. | 0.289 | Data rate(Mb/s): 1024 | nlags: 128 t_cohere infinite | ion window (TEC) | 0.00 0.00 |

m: az 78.5 el 33.1 pa -79.2 p: az 136.5 el 71.4 pa -35.3 u,v (fr/asec) -5588.630 -821.923 simultaneous interpolator

Control file: cf_1234 Input file: /Exps/c172b/v2_v1_merge/merged/1234/No0010/mp..zzsqyk Output file: /Exps/c172b/v2_v1_merge/merged/1234/No0010/mp.W.79.zzsqyk