

MATISSE OIFITS Quality Control Report

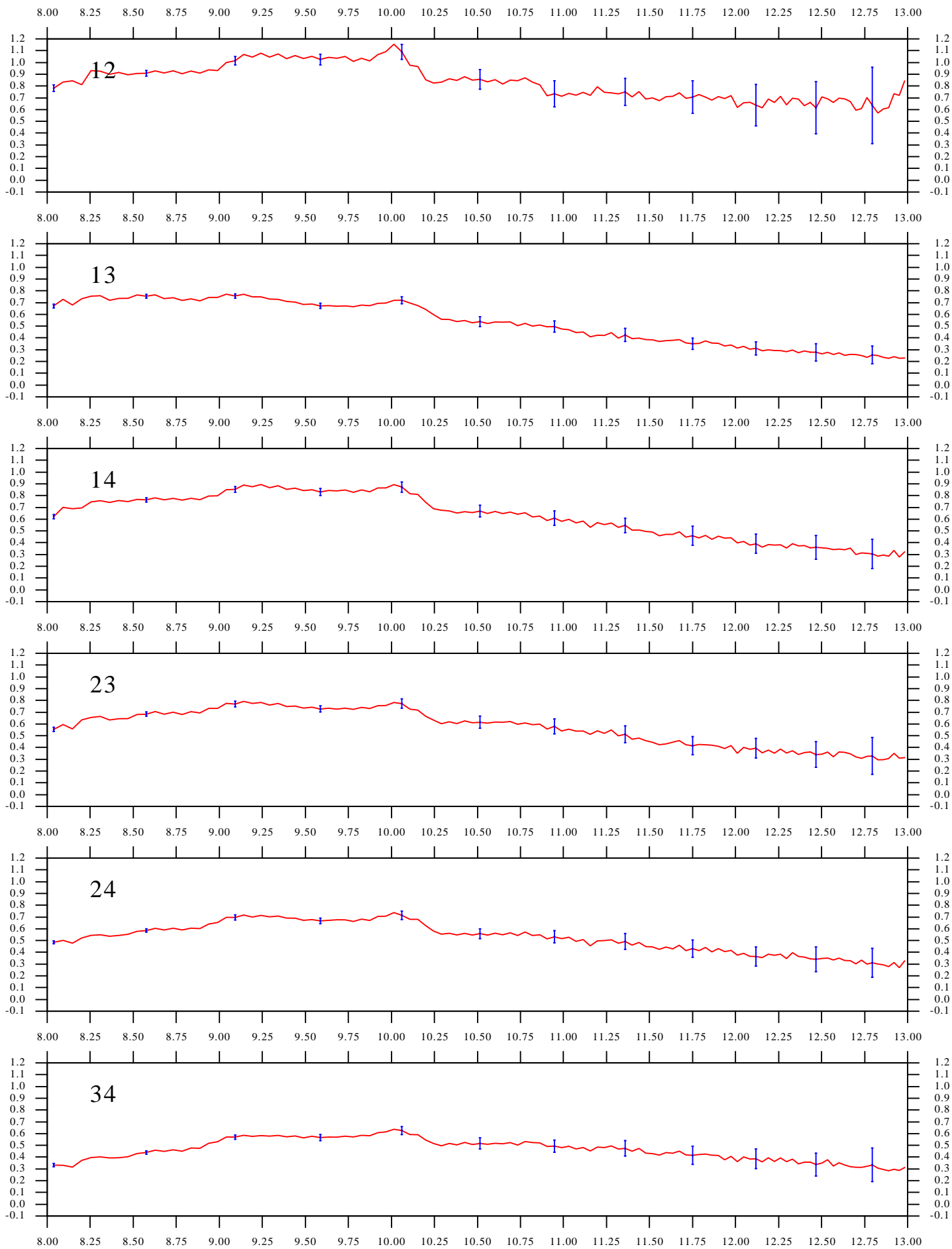
| | |
|-------------------------------------|--|
| Filename | CALIB_RAW_INT_0002.fits |
| Observing date | 2017-04-07T14:34:49.7153 |
| Processing/report date | 2017-05-29T08:31:43 2018-01-10T15:53:48 |
| Product category, Chip name | TARGET_RAW_INT, AQUARIUS |
| DIN, PIN, PON, FIN, SFN, BCD1, BCD2 | LOW, INTER, OPEN, OPEN, HOLE2, OUT, OUT |
| NDIT x DIT | 1250 x 0.03 s |
| Object name | Pichon star |
| Object RA, Dec, N | 25.99 99.99 N = -9.0 |
| Telescope stations | GV1=T4=S4, GV2=T3=S3, GV3=T2=S2, GV4=T1=S1 |
| Seeing Wind T0(V) T0(K) | not yet defined |

| Col 1 : Baseline | | | |
|---|-------------------|--------------------|---------------------|
| Col 2 : Average squared visibility per baseline ($\text{vis}^2 \pm \text{std}$) ==> page 2 | | | |
| Col 3 : Average visibility amplitude per baseline ($\text{vis} \pm \text{std}$) ==> page 3 | | | |
| Col 4 : Average differential phase per baseline ($\text{visphi} \pm \text{std}$), in degrees ==> page 5 | | | |
| Baseline | vis^2 | vis | vis_phi |
| 12 | 0.924 ± 0.092 | $+1.266 \pm 0.000$ | -8.510 ± 2.062 |
| 13 | 0.666 ± 0.043 | $+0.313 \pm 0.000$ | -8.752 ± 2.100 |
| 14 | 0.745 ± 0.059 | $+0.554 \pm 0.000$ | -10.136 ± 1.614 |
| 23 | 0.669 ± 0.061 | $+0.174 \pm 0.000$ | -12.915 ± 1.767 |
| 24 | 0.590 ± 0.051 | $+0.660 \pm 0.000$ | -8.538 ± 1.981 |
| 34 | 0.466 ± 0.053 | $+0.254 \pm 0.000$ | -8.910 ± 1.933 |

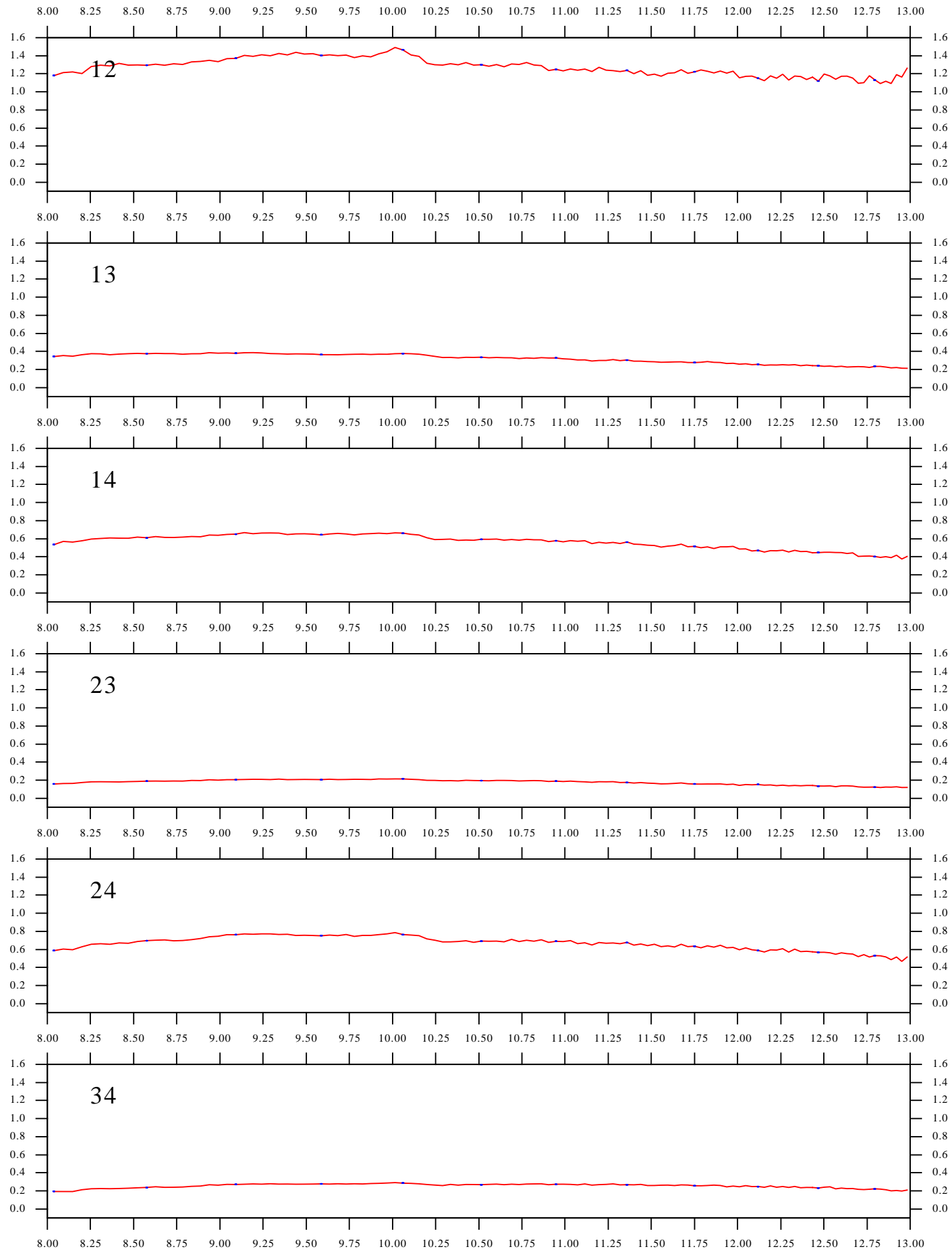
| Average closure phase per triplet ($\text{t3phi} \pm \text{std}$), in degrees ==> page 4 | | | | |
|--|--------------------|--------------------|--------------------|--------------------|
| Triplet | [2 3 4] | [1 2 3] | [1 2 4] | [1 3 4] |
| Phi(deg) | $+0.206 \pm 1.726$ | $+0.246 \pm 1.461$ | $+0.052 \pm 1.783$ | -0.031 ± 1.971 |

| Average photometric flux ($1.0\text{e}+05 \text{ photo-e-/s/sp.channel} \pm \text{std}$) ==> page 6 | | | | |
|---|-------------------|-------------------|-------------------|-------------------|
| Telescope | Tel_1 | Tel_2 | Tel_3 | Tel_4 |
| Flux | 0.165 ± 0.004 | 0.153 ± 0.003 | 0.213 ± 0.003 | 0.223 ± 0.003 |

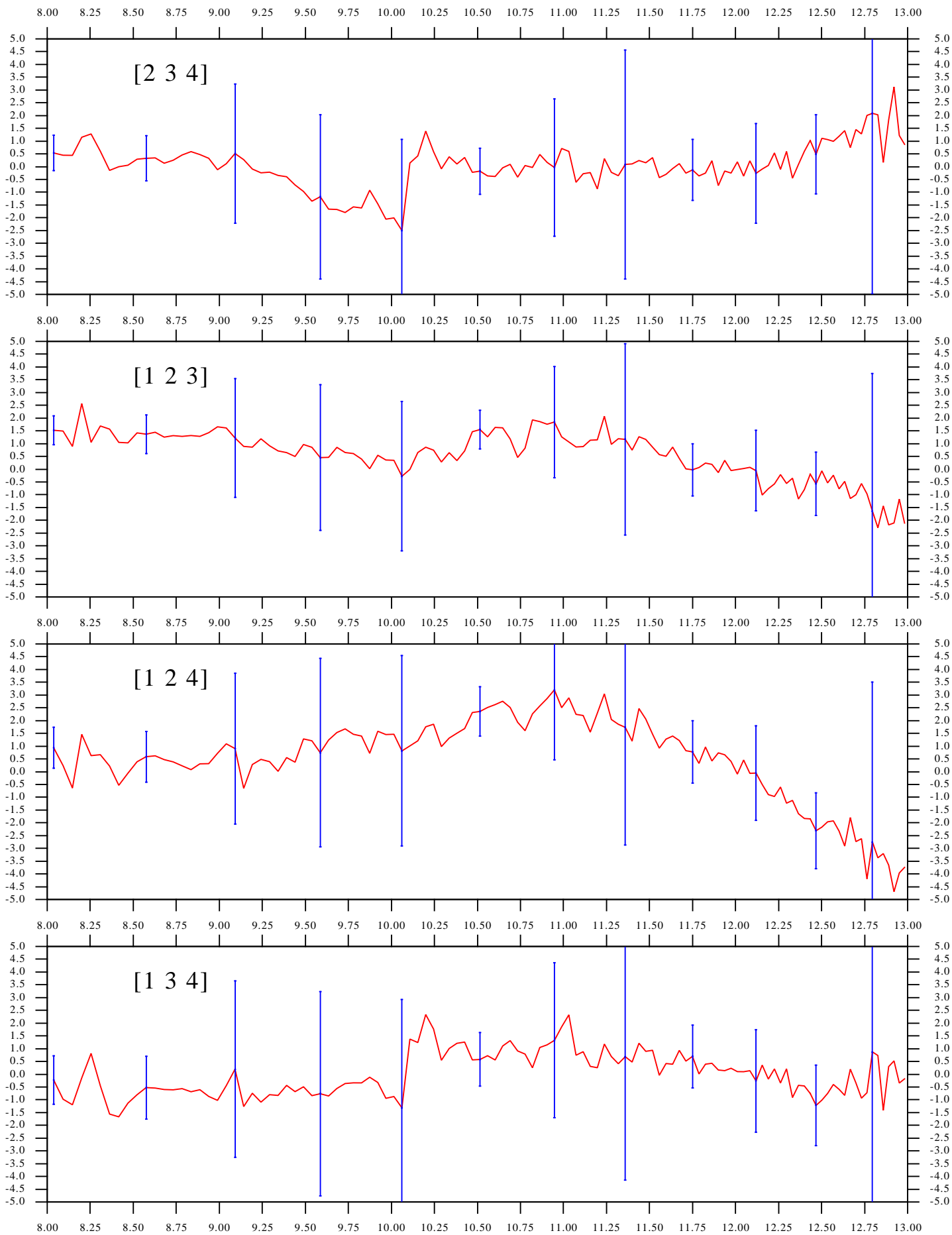
Squared visibility vs wavelength (in microns) ==> VIS2DATA



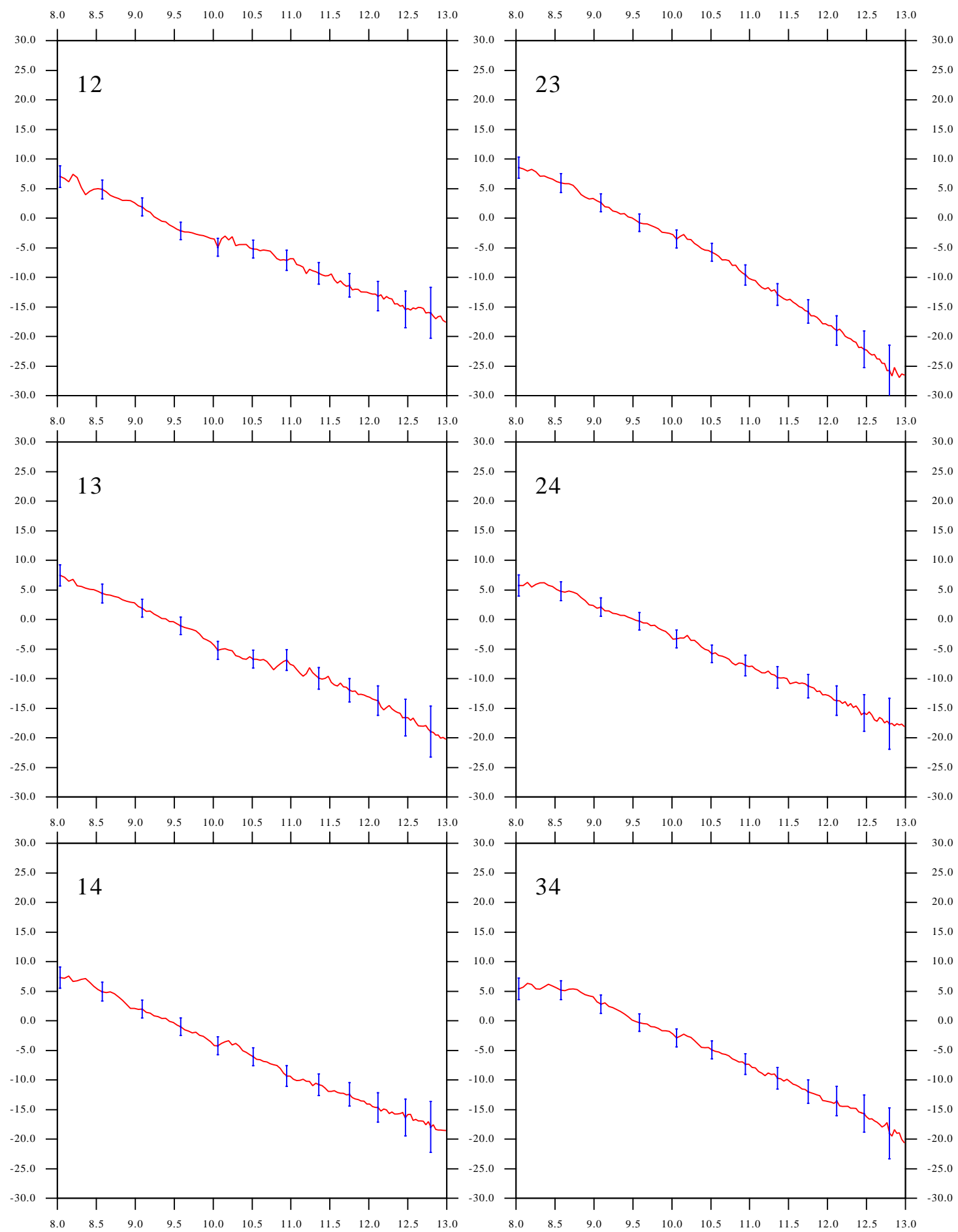
Time averaged visibility amp. vs wavelength (in microns) ==> VISAMP



Closure phase (in degrees) vs wavelength (in microns) ==> T3PHI



Differential closure phase (in degrees) vs wavelength (in microns)==> VISPHI



Average spectrum (in 1.0×10^5 photo-e/DIT) vs wavelength (in microns)
==> OI_FLUX ; Tel1 = red, Tel2 = orange, Tel3 = blue, Tel4 = green

