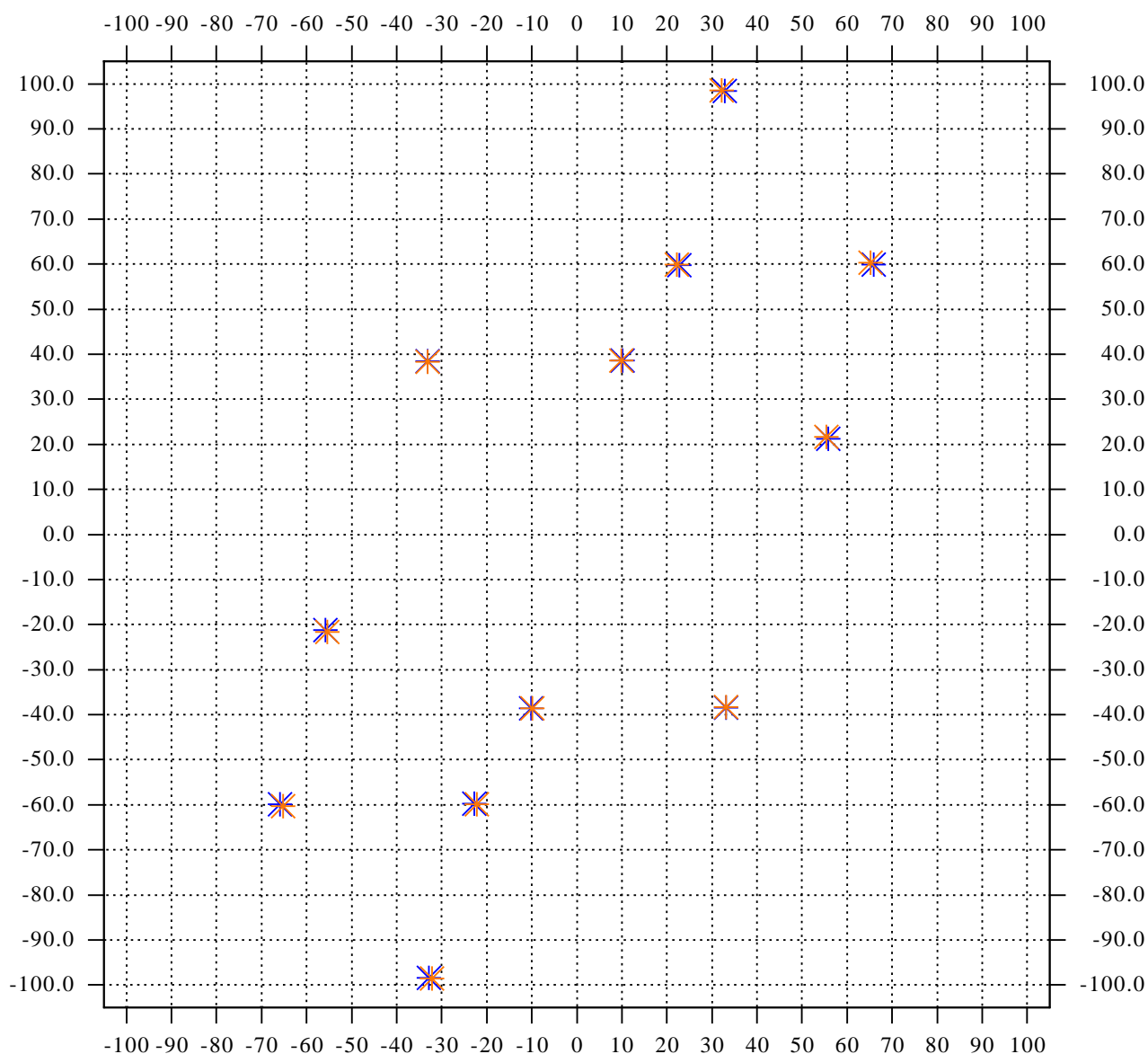
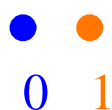


MATISSE OIFITS Quality Control Report

Filename	2018-05-12T03_35_25.5592_HSco_IR-N.fits
Observing date	2018-05-12T03:35:25.5592
Processing/report date	2018-05-31T15:03:49 2018-07-05T16:51:48
Product category, Chip name	CALIB_RAW_INT, AQUARIUS
DIN, PIN, PON, FIN, SFN, BCD1, BCD2	LOW, INTER, OPEN, OPEN, HOLE2, OUT, OUT
NDIT x DIT ; time_tot ; nb_expo ; nwave	2308 x 0.02 s ; 46.16 s ; 2 ; 124
Object name	H Sco [STD]
Object RA, Dec, N	249.093716 -35.25528 N = TBD
Telescope stations	AT4=J3 AT3=D0 AT2=G2 AT1=K0
Seeing (arcsec) ; Wind (m/s) ; T0 in V (s)	1.03 --> 1.03 ; 13.63 ; 0.002378 --> 0.002378

expo ==> color



Col 1 : Baseline

Col 2 : Average squared visibility per baseline ($\text{vis}^2 \pm \text{err}$) ==> page 3Cols 3 --> 7 : Fraction of points Ok , points with value<limit_min , value>limit_max
points with error(err)>limit_err , error(tol)>limit_tol

Baseline	vis^2	frac_ok	frac_min	frac_max	frac_err	frac_tol
12	0.247 ± 0.070	0.496	0.222	0.026	0.256	0.000
13	0.401 ± 0.086	0.402	0.171	0.265	0.162	0.000
14	0.330 ± 0.077	0.453	0.154	0.197	0.197	0.000
23	0.259 ± 0.074	0.462	0.171	0.128	0.239	0.000
24	0.244 ± 0.067	0.521	0.120	0.103	0.256	0.000
34	0.150 ± 0.066	0.581	0.111	0.034	0.274	0.000

Col 1 : Baseline

Col 2 : Average visibility amplitude per baseline ($\text{vis} \pm \text{err}$) ==> page 4Cols 3 --> 7 : Fraction of points Ok , points with value<limit_min , value>limit_max
points with error(err)>limit_err , error(tol)>limit_tol

Baseline	vis	frac_ok	frac_min	frac_max	frac_err	frac_tol
12	0.055 ± 0.000	0.966	0.034	0.000	0.000	0.000
13	0.165 ± 0.000	0.906	0.085	0.009	0.000	0.000
14	0.170 ± 0.000	0.897	0.094	0.009	0.000	0.000
23	0.029 ± 0.000	0.940	0.060	0.000	0.000	0.000
24	0.072 ± 0.000	0.966	0.026	0.009	0.000	0.000
34	0.012 ± 0.000	0.991	0.009	0.000	0.000	0.000

Col 1 : Baseline

Col 2 : Average differential phase per baseline ($\text{visphi} \pm \text{err}$), in degrees ==> page 6Cols 3 --> 7 : Fraction of points Ok , points with value<limit_min , value>limit_max
points with error(err)>limit_err , error(tol)>limit_tol

Baseline	vis_phi	frac_ok	frac_min	frac_max	frac_err	frac_tol
12	$+12.359 \pm 584.816$	0.658	0.000	0.000	0.342	0.000
13	$+5.703 \pm 690.861$	0.632	0.000	0.000	0.368	0.000
14	$+1.202 \pm 654.060$	0.667	0.000	0.000	0.333	0.000
23	$+12.499 \pm 693.163$	0.726	0.000	0.000	0.274	0.000
24	-2.280 ± 667.480	0.598	0.000	0.000	0.402	0.000
34	$+5.702 \pm 654.432$	0.521	0.000	0.000	0.479	0.000

Average closure phase per triplet ($\text{t3phi} \pm \text{err}$), in degrees ==> page 5

Triplet	[19 13 24]	[28 19 13]	[28 19 24]	[28 13 24]
Phi(deg)	$+4.183 \pm 92.226$	$+6.230 \pm 112.830$	-10.092 ± 104.155	$+1.676 \pm 98.334$

Col 1 : Baseline

Col 2 : Average squared visibility per baseline ($\text{vis}^2 \pm \text{err}$) ==> page 3Cols 3 --> 7 : Fraction of points Ok , points with value<limit_min , value>limit_max
points with error(err)>limit_err , error(tol)>limit_tol

Baseline	vis^2	frac_ok	frac_min	frac_max	frac_err	frac_tol
12	0.213 ± 0.081	0.538	0.214	0.034	0.214	0.000
13	0.507 ± 0.076	0.359	0.103	0.376	0.162	0.000
14	0.395 ± 0.077	0.419	0.171	0.265	0.145	0.000
23	0.239 ± 0.071	0.436	0.162	0.137	0.265	0.000
24	0.284 ± 0.087	0.556	0.077	0.137	0.231	0.000
34	0.179 ± 0.086	0.573	0.128	0.043	0.256	0.000

Col 1 : Baseline

Col 2 : Average visibility amplitude per baseline ($\text{vis} \pm \text{err}$) ==> page 4Cols 3 --> 7 : Fraction of points Ok , points with value<limit_min , value>limit_max
points with error(err)>limit_err , error(tol)>limit_tol

Baseline	vis	frac_ok	frac_min	frac_max	frac_err	frac_tol
12	0.040 ± 0.000	0.966	0.034	0.000	0.000	0.000
13	0.326 ± 0.000	0.863	0.120	0.017	0.000	0.000
14	0.080 ± 0.000	0.940	0.060	0.000	0.000	0.000
23	0.014 ± 0.000	0.974	0.026	0.000	0.000	0.000
24	0.033 ± 0.000	0.966	0.034	0.000	0.000	0.000
34	0.010 ± 0.000	1.000	0.000	0.000	0.000	0.000

Col 1 : Baseline

Col 2 : Average differential phase per baseline ($\text{visphi} \pm \text{err}$), in degrees ==> page 6Cols 3 --> 7 : Fraction of points Ok , points with value<limit_min , value>limit_max
points with error(err)>limit_err , error(tol)>limit_tol

Baseline	vis_phi	frac_ok	frac_min	frac_max	frac_err	frac_tol
12	$+5.689 \pm 690.958$	0.744	0.000	0.000	0.256	0.000
13	$+6.486 \pm 703.802$	0.744	0.000	0.000	0.256	0.000
14	-2.276 ± 663.670	0.684	0.000	0.000	0.316	0.000
23	-6.627 ± 646.649	0.701	0.000	0.000	0.299	0.000
24	$+17.850 \pm 668.613$	0.692	0.000	0.000	0.308	0.000
34	$+6.696 \pm 665.364$	0.658	0.000	0.000	0.342	0.000

Average closure phase per triplet ($\text{t3phi} \pm \text{err}$), in degrees ==> page 5

Triplet	[19 13 24]	[28 19 13]	[28 19 24]	[28 13 24]
Phi(deg)	-16.813 ± 97.331	-7.083 ± 89.073	-8.818 ± 90.238	$+7.031 \pm 105.534$

Summary of all exposures

Col 1 : Baseline

Col 2 : Average squared visibility per baseline ($\text{vis}^2 \pm \text{err}$) ==> page 3

Cols 3 --> 7 : Fraction of points Ok , points with value<limit_min , value>limit_max
points with error(err)>limit_err , error(tol)>limit_tol

Baseline	vis^2	frac_ok	frac_min	frac_max	frac_err	frac_tol
12	$0.230 \pm 0.017 \pm 0.076$	0.517	0.218	0.030	0.235	0.000
13	$0.454 \pm 0.053 \pm 0.081$	0.380	0.137	0.321	0.162	0.000
14	$0.363 \pm 0.032 \pm 0.077$	0.436	0.162	0.231	0.171	0.000
23	$0.249 \pm 0.010 \pm 0.072$	0.449	0.167	0.132	0.252	0.000
24	$0.264 \pm 0.020 \pm 0.077$	0.538	0.098	0.120	0.244	0.000
34	$0.165 \pm 0.014 \pm 0.076$	0.577	0.120	0.038	0.265	0.000

Col 1 : Baseline

Col 2 : Average visibility amplitude per baseline ($\text{vis} \pm \text{err}$) ==> page 4

Cols 3 --> 7 : Fraction of points Ok , points with value<limit_min , value>limit_max
points with error(err)>limit_err , error(tol)>limit_tol

Baseline	vis	frac_ok	frac_min	frac_max	frac_err	frac_tol
12	$0.047 \pm 0.007 \pm 0.000$	0.966	0.034	0.000	0.000	0.000
13	$0.245 \pm 0.081 \pm 0.000$	0.885	0.103	0.013	0.000	0.000
14	$0.125 \pm 0.045 \pm 0.000$	0.919	0.077	0.004	0.000	0.000
23	$0.021 \pm 0.007 \pm 0.000$	0.957	0.043	0.000	0.000	0.000
24	$0.053 \pm 0.019 \pm 0.000$	0.966	0.030	0.004	0.000	0.000
34	$0.011 \pm 0.001 \pm 0.000$	0.996	0.004	0.000	0.000	0.000

Col 1 : Baseline

Col 2 : Average differential phase per baseline ($\text{visphi} \pm \text{err}$), in degrees ==> page 6

Cols 3 --> 7 : Fraction of points Ok , points with value<limit_min , value>limit_max
points with error(err)>limit_err , error(tol)>limit_tol

Baseline	vis_phi	frac_ok	frac_min	frac_max	frac_err	frac_tol
12	$+9.024 \pm 3.335 \pm 637.887$	0.701	0.000	0.000	0.299	0.000
13	$+6.094 \pm 0.392 \pm 697.331$	0.688	0.000	0.000	0.312	0.000
14	$-0.537 \pm 1.739 \pm 658.865$	0.675	0.000	0.000	0.325	0.000
23	$+2.936 \pm 9.563 \pm 669.906$	0.714	0.000	0.000	0.286	0.000
24	$+7.785 \pm 10.065 \pm 668.047$	0.645	0.000	0.000	0.355	0.000
34	$+6.199 \pm 0.497 \pm 659.898$	0.590	0.000	0.000	0.410	0.000

Average closure phase per triplet ($\text{t3phi} \pm \text{err}$), in degrees ==> page 5

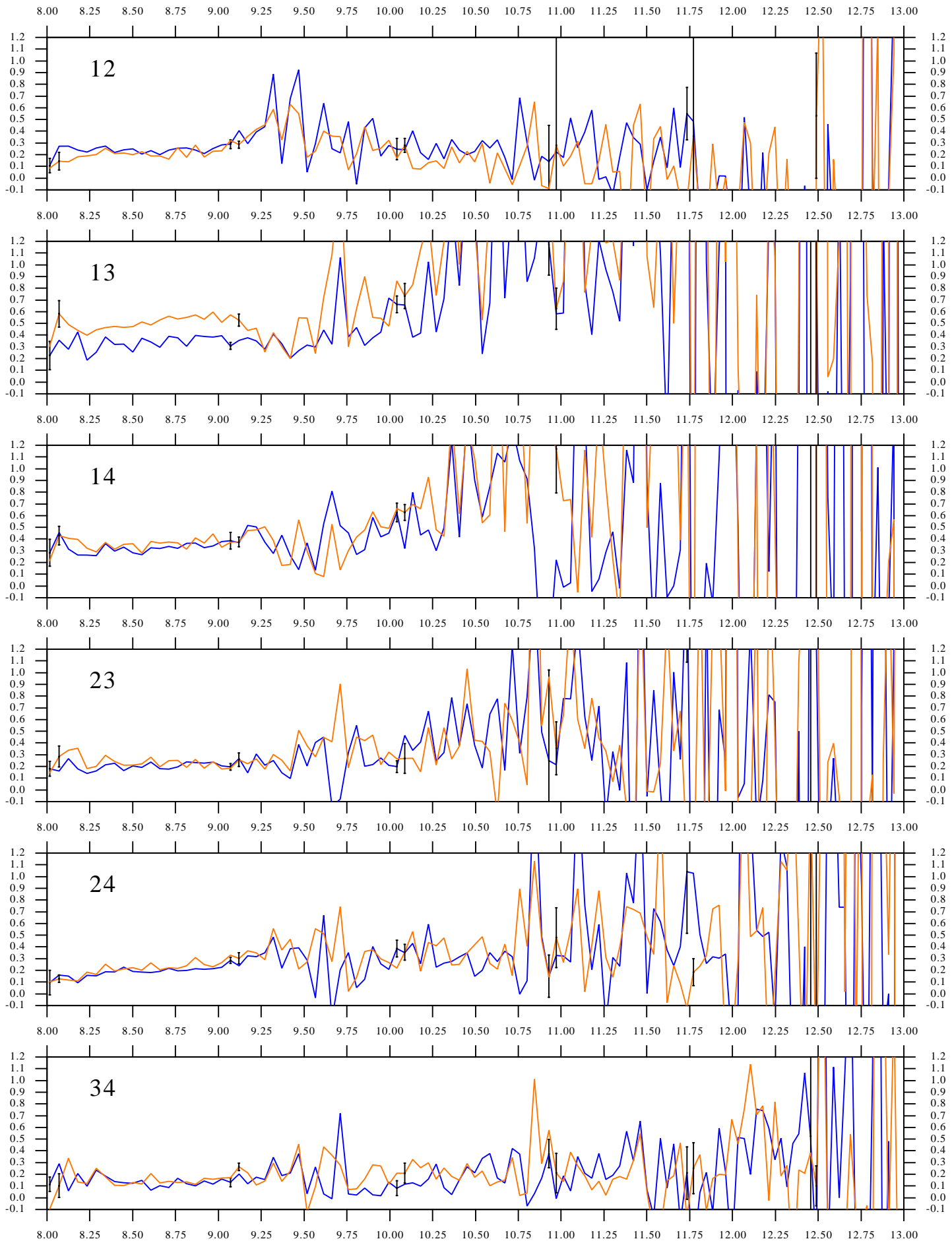
Triplet [19 13 24] [28 19 13] [28 19 24] [28 13 24]

Phi(deg) $-6.315 \pm 10.498 \pm 94.779$ $-9.455 \pm 0.637 \pm 97.197$
 $-0.426 \pm 6.657 \pm 100.951$ $+4.353 \pm 2.677 \pm 101.934$

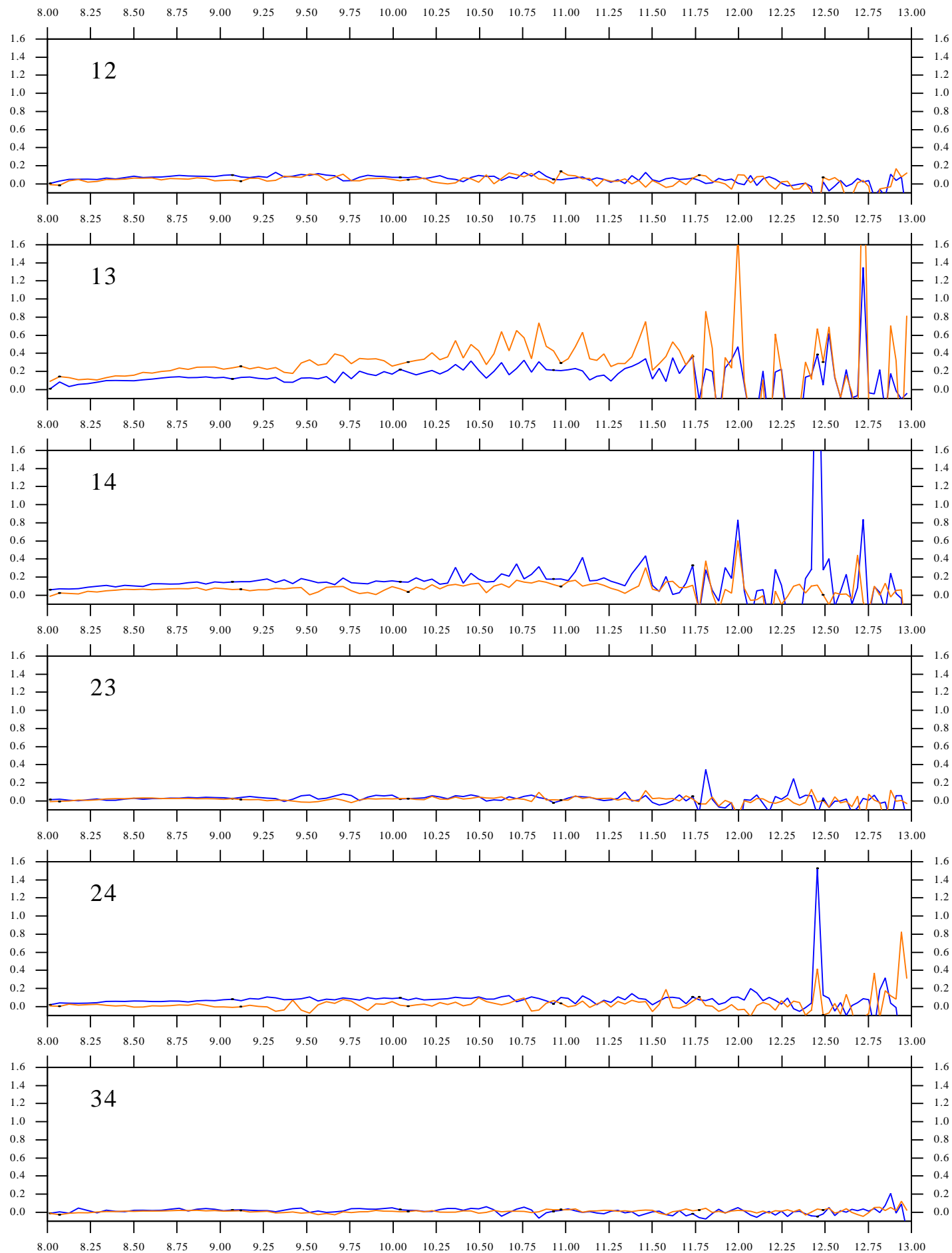
Average photometric flux ($1.0\text{e}+04 \text{ photo-e-/s/sp.channel} \pm \text{std}$) ==> page 7

Telescope	Tel_1	Tel_2	Tel_3	Tel_4
Flux	0.023 ± 0.001	0.016 ± 0.001	0.024 ± 0.001	0.030 ± 0.001

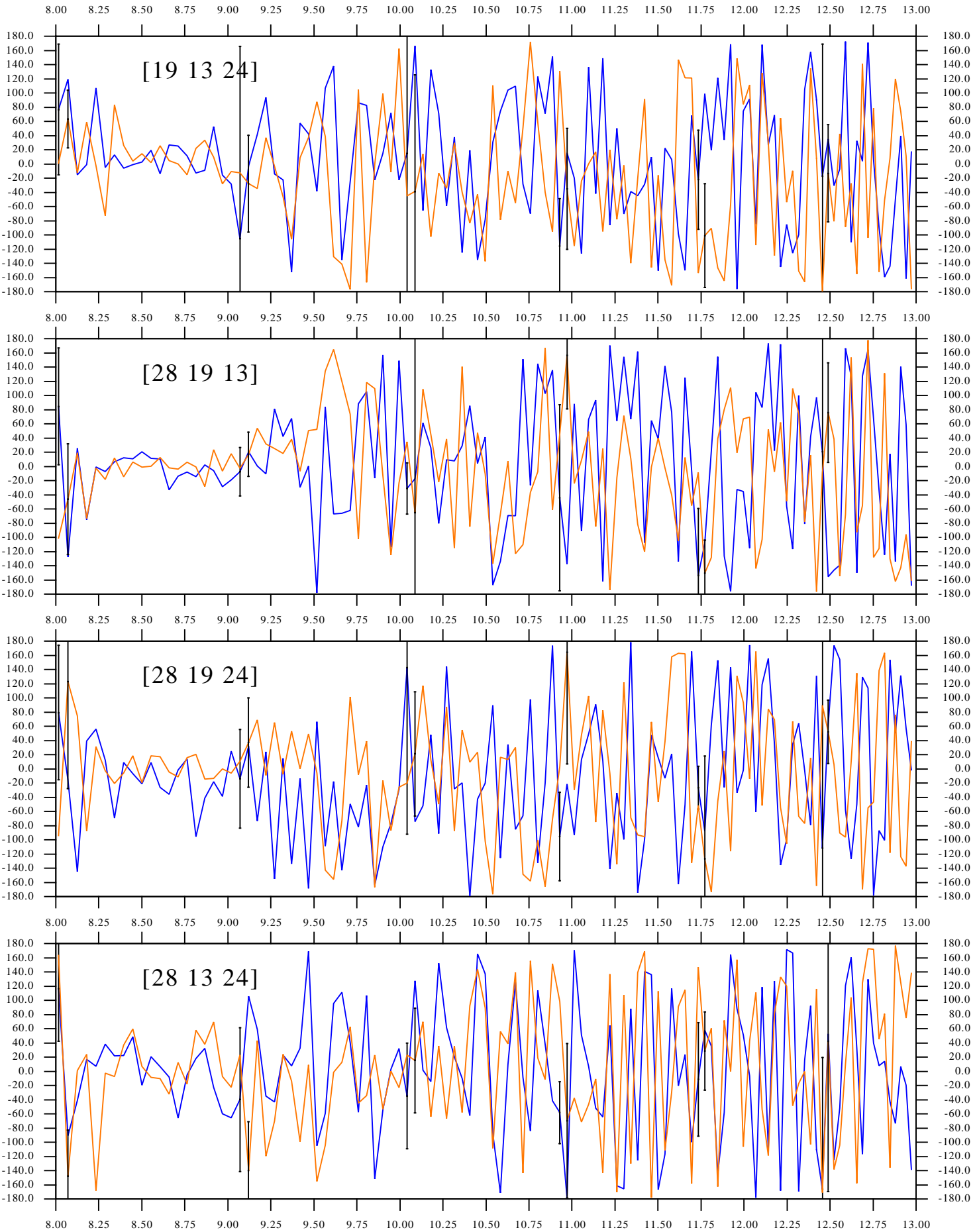
Squared visibility vs wavelength (in microns) ==> VIS2DATA



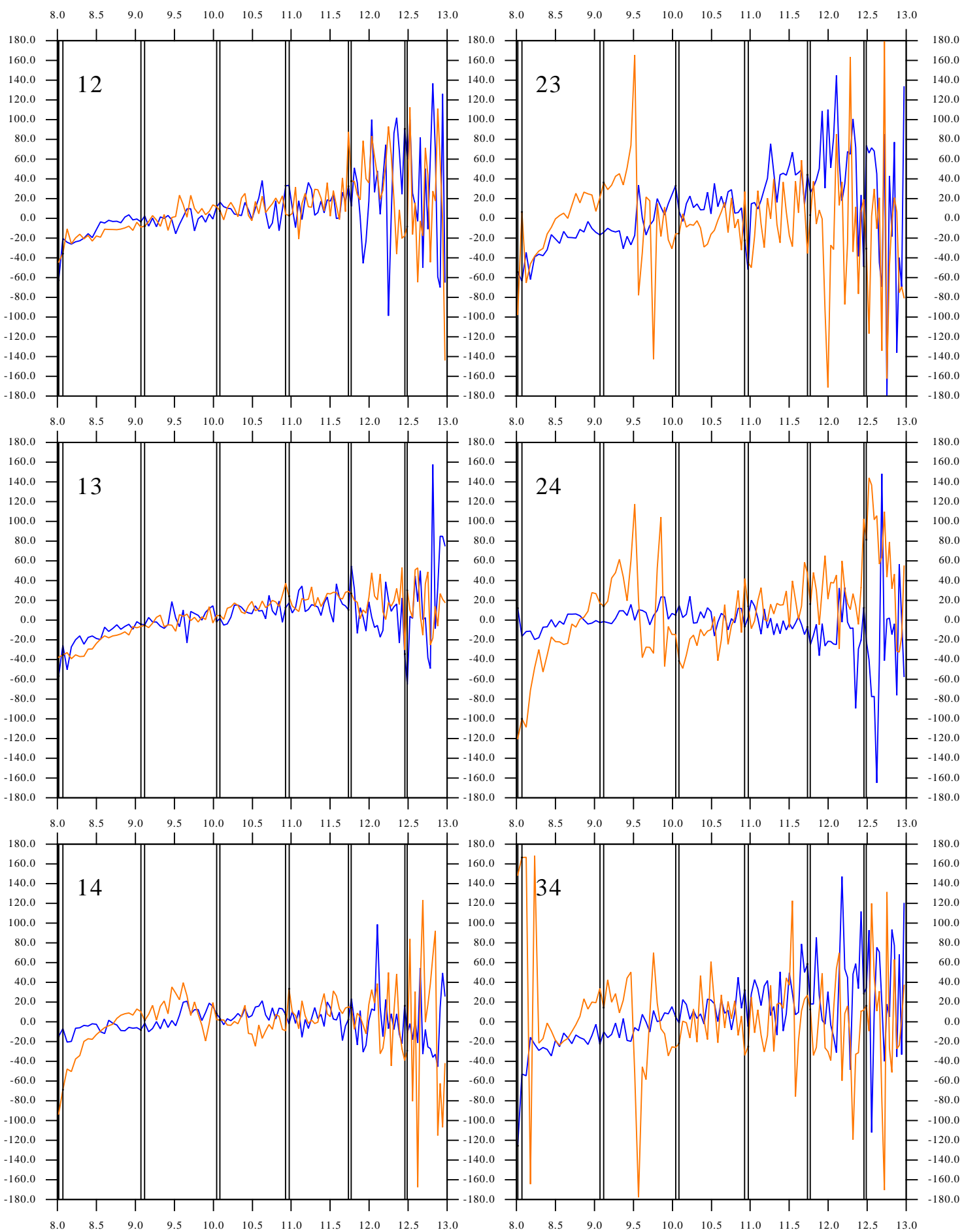
Time averaged visibility amp. vs wavelength (in microns) ==> VISAMP



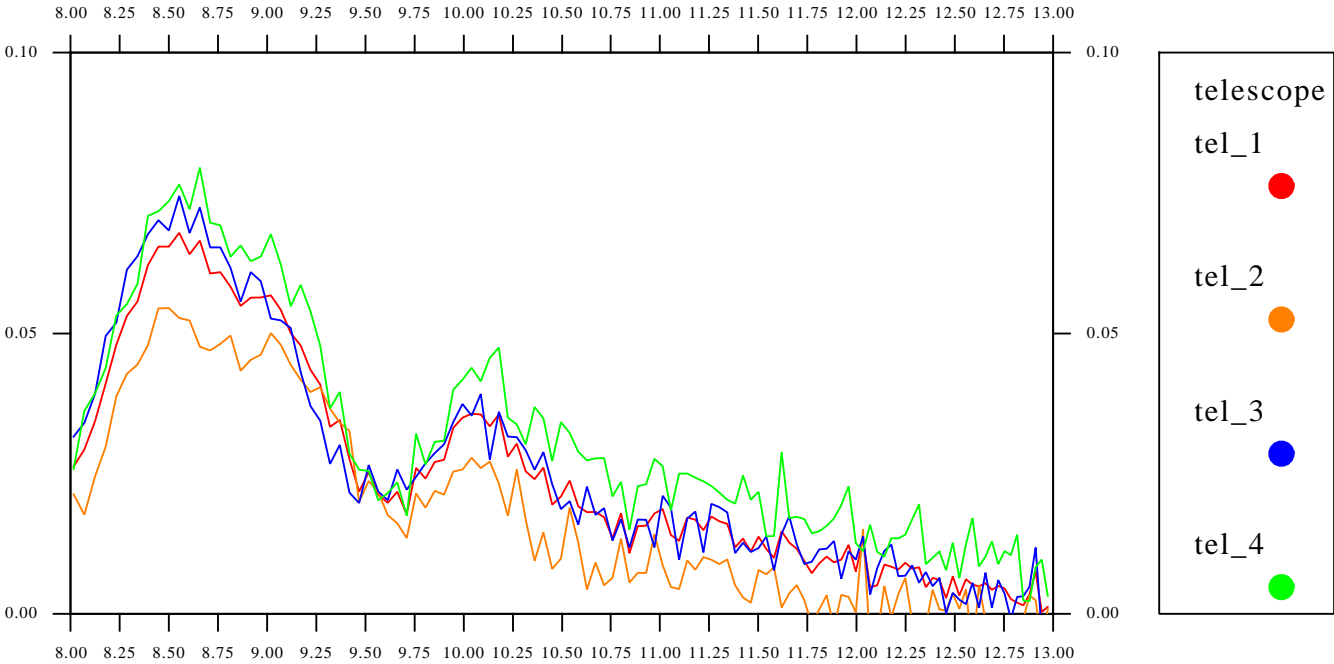
Closure phase (in degrees) vs wavelength (in microns) ==> T3PHI



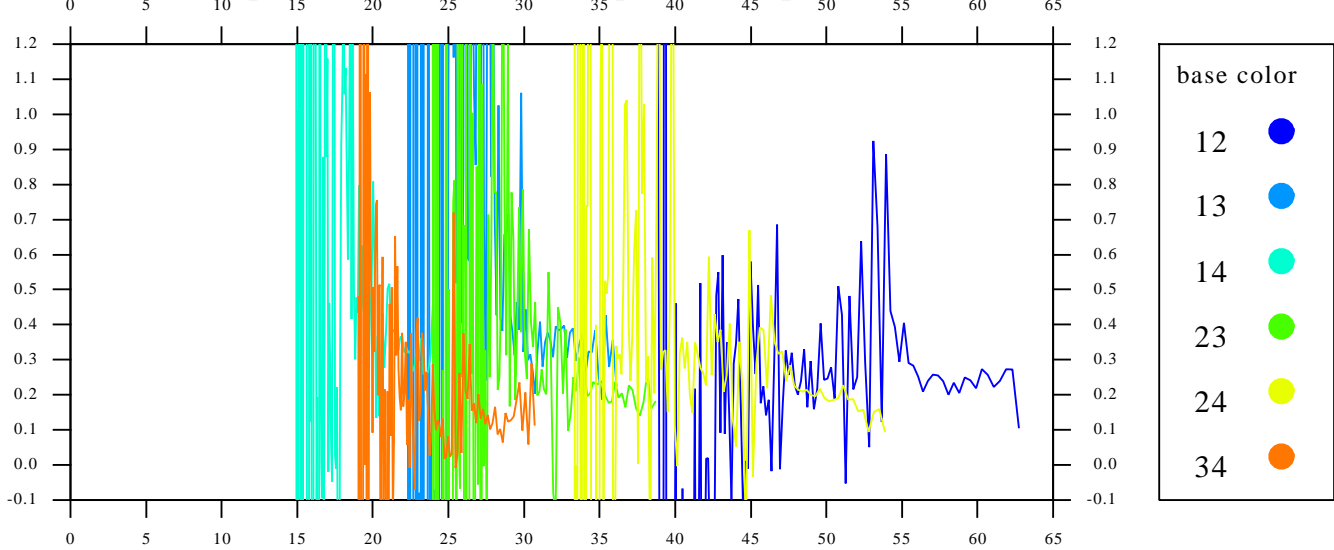
Differential closure phase (in degrees) vs wavelength (in microns) ==> VISPHI



Average spectrum (in 1.0e+04 photo-e/DIT) vs wavelength (in microns)



Squarred visibility vs spatial frequencies



Phase closure vs maximal spatial frequencies

