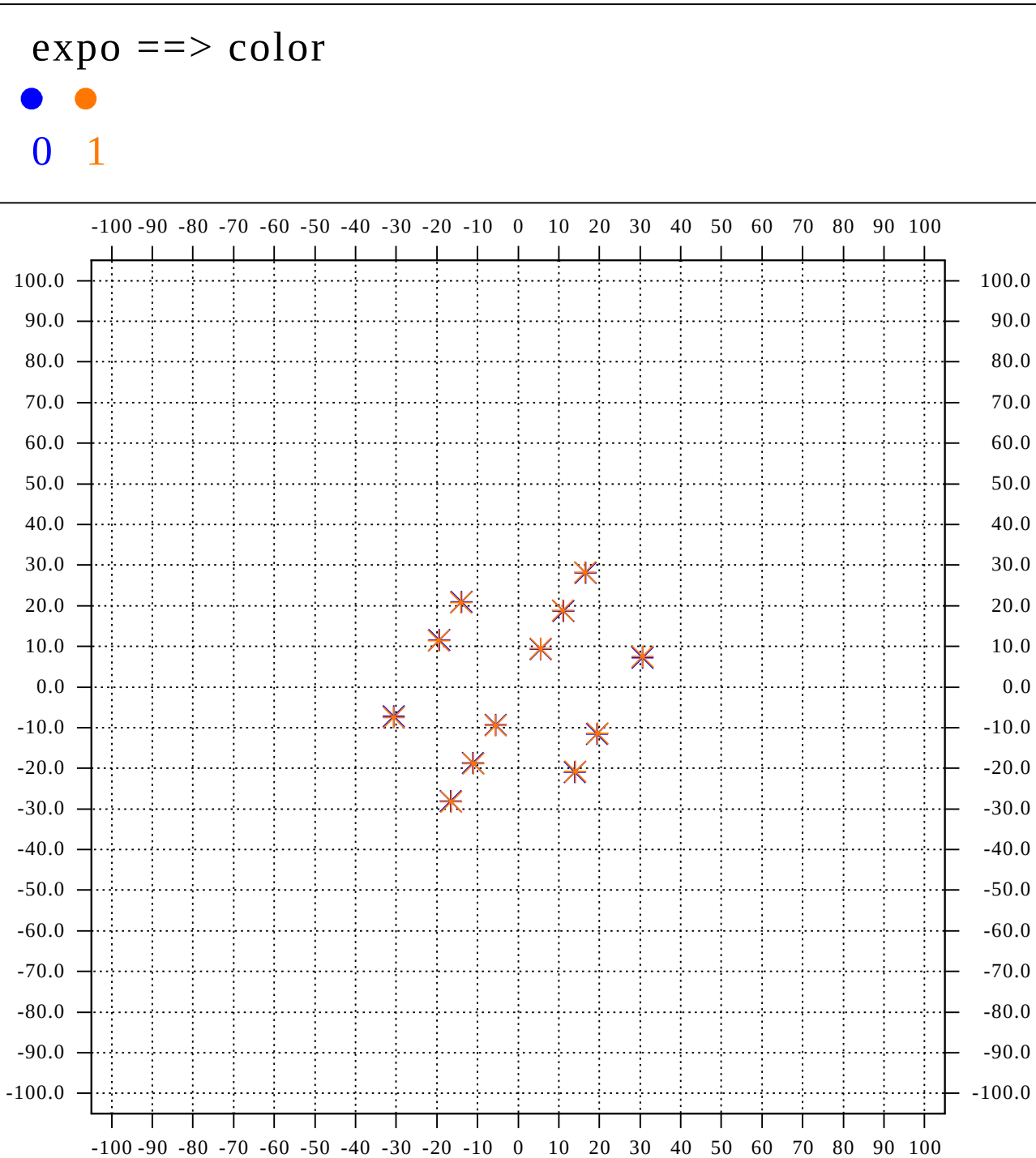
MATISSE OIFITS Quality Control Report

Filename	CALIB_RAW_INT_0001_N.fits
Observing date	2018-03-15T01:33:03.1182
Processing/report date	2018-03-16T15:38:03 2018-07-05T16:51:50
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	C_PUP [STD]
Object RA, Dec, N	116.312274 -37.96856 N = TBD
Telescope stations	AT4=C1 AT3=D0 AT2=B2 AT1=A0
Seeing (arcsec) ; Wind (m/s) ; T0 in V (s)	0.51 --> 0.49 ; 3.13 ; 0.010496 --> 0.009183



Col 1 : Baseline
Col 2 : Average squared visibility per baseline (vis^2 ± 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	0.344 ± 0.153	0.051	0.000	0.068	0.880	0.000
13	0.321 ± 0.162	0.188	0.000	0.000	0.812	0.000
14	0.097 ± 0.090	0.624	0.000	0.000	0.376	0.000
23	0.471 ± 0.184	0.085	0.000	0.000	0.915	0.000
24	0.077 ± 0.082	0.761	0.000	0.000	0.239	0.000
34	0.209 ± 0.141	0.385	0.000	0.000	0.615	0.000

Col 1 : Baseline
Col 2 : Average visibility amplitude per baseline (vis ± 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	0.283 ± 0.000	1.000	0.000	0.000	0.000	0.000
13	0.201 ± 0.000	1.000	0.000	0.000	0.000	0.000
14	0.109 ± 0.000	1.000	0.000	0.000	0.000	0.000
23	0.300 ± 0.000	1.000	0.000	0.000	0.000	0.000
24	0.054 ± 0.000	1.000	0.000	0.000	0.000	0.000
34	0.134 ± 0.000	1.000	0.000	0.000	0.000	0.000

Col 1 : Baseline
Col 2 : Average differential phase per baseline (visphi ± 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	+0.367 ± 720.000	0.991	0.000	0.000	0.009	0.000
13	-0.047 ± 720.000	1.000	0.000	0.000	0.000	0.000
14	-4.111 ± 207.990	1.000	0.000	0.000	0.000	0.000
23	-5.051 ± 53.519	1.000	0.000	0.000	0.000	0.000
24	-4.374 ± 388.111	0.983	0.000	0.000	0.017	0.000
34	-5.160 ± 92.852	1.000	0.000	0.000	0.000	0.000

Average closure phase per triplet (t3phi ± err), in degrees ==> page 5

Triplet	[5 13 10]	[1 5 13]	[1 5 10]	[1 13 10]
Phi(deg)	-4.903 ± 3.363	-0.797 ± 5.103	+1.385 ± 2.489	-3.023 ± 5.939

Col 1 : Baseline
Col 2 : Average squared visibility per baseline (vis^2 ± 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	0.356 ± 0.160	0.051	0.000	0.094	0.855	0.000
13	0.323 ± 0.164	0.188	0.000	0.000	0.812	0.000
14	0.100 ± 0.092	0.624	0.000	0.000	0.376	0.000
23	0.483 ± 0.185	0.085	0.000	0.000	0.915	0.000
24	0.073 ± 0.077	0.726	0.000	0.000	0.274	0.000
34	0.211 ± 0.140	0.376	0.000	0.000	0.624	0.000

Col 1 : Baseline
Col 2 : Average visibility amplitude per baseline (vis ± 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	0.384 ± 0.000	1.000	0.000	0.000	0.000	0.000
13	0.214 ± 0.000	1.000	0.000	0.000	0.000	0.000
14	0.092 ± 0.000	1.000	0.000	0.000	0.000	0.000
23	0.321 ± 0.000	1.000	0.000	0.000	0.000	0.000
24	0.077 ± 0.000	1.000	0.000	0.000	0.000	0.000
34	0.207 ± 0.000	1.000	0.000	0.000	0.000	0.000

Col 1 : Baseline
Col 2 : Average differential phase per baseline (visphi ± 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	+0.561 ± 719.184	0.949	0.000	0.000	0.051	0.000
13	+0.114 ± 96.757	1.000	0.000	0.000	0.000	0.000
14	-5.335 ± 720.000	0.897	0.000	0.000	0.103	0.000
23	-5.141 ± 52.630	1.000	0.000	0.000	0.000	0.000
24	-8.111 ± 669.797	0.179	0.000	0.000	0.821	0.000
34	-5.173 ± 145.491	1.000	0.000	0.000	0.000	0.000

Average closure phase per triplet (t3phi ± err), in degrees ==> page 5

Triplet	[5 13 10]	[1 5 13]	[1 5 10]	[1 13 10]
Phi(deg)	-4.497 ± 3.076	-0.904 ± 4.931	+1.140 ± 2.281	-1.216 ± 5.401

Summary of all exposures

Col 1 : Baseline
Col 2 : Average squared visibility per baseline (vis^2 ± 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	0.350 ± 0.006 ± 0.157	0.051	0.000	0.081	0.868	0.000
13	0.322 ± 0.001 ± 0.163	0.188	0.000	0.000	0.812	0.000
14	0.099 ± 0.001 ± 0.091	0.624	0.000	0.000	0.376	0.000
23	0.477 ± 0.006 ± 0.185	0.085	0.000	0.000	0.915	0.000
24	0.075 ± 0.002 ± 0.079	0.744	0.000	0.000	0.256	0.000
34	0.210 ± 0.001 ± 0.140	0.380	0.000	0.000	0.620	0.000

Col 1 : Baseline
Col 2 : Average visibility amplitude per baseline (vis ± 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	0.333 ± 0.051 ± 0.000	1.000	0.000	0.000	0.000	0.000
13	0.207 ± 0.006 ± 0.000	1.000	0.000	0.000	0.000	0.000
14	0.101 ± 0.009 ± 0.000	1.000	0.000	0.000	0.000	0.000
23	0.311 ± 0.011 ± 0.000	1.000	0.000	0.000	0.000	0.000
24	0.066 ± 0.011 ± 0.000	1.000	0.000	0.000	0.000	0.000
34	0.170 ± 0.036 ± 0.000	1.000	0.000	0.000	0.000	0.000

Col 1 : Baseline
Col 2 : Average differential phase per baseline (visphi ± 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	+0.464 ± 0.097 ± 719.592	0.970	0.000	0.000	0.030	0.000
13	+0.034 ± 0.081 ± 408.379	1.000	0.000	0.000	0.000	0.000
14	-4.723 ± 0.612 ± 463.995	0.949	0.000	0.000	0.051	0.000
23	-5.096 ± 0.045 ± 53.075	1.000	0.000	0.000	0.000	0.000
24	-6.242 ± 1.869 ± 528.954	0.581	0.000	0.000	0.419	0.000
34	-5.167 ± 0.006 ± 119.171	1.000	0.000	0.000	0.000	0.000

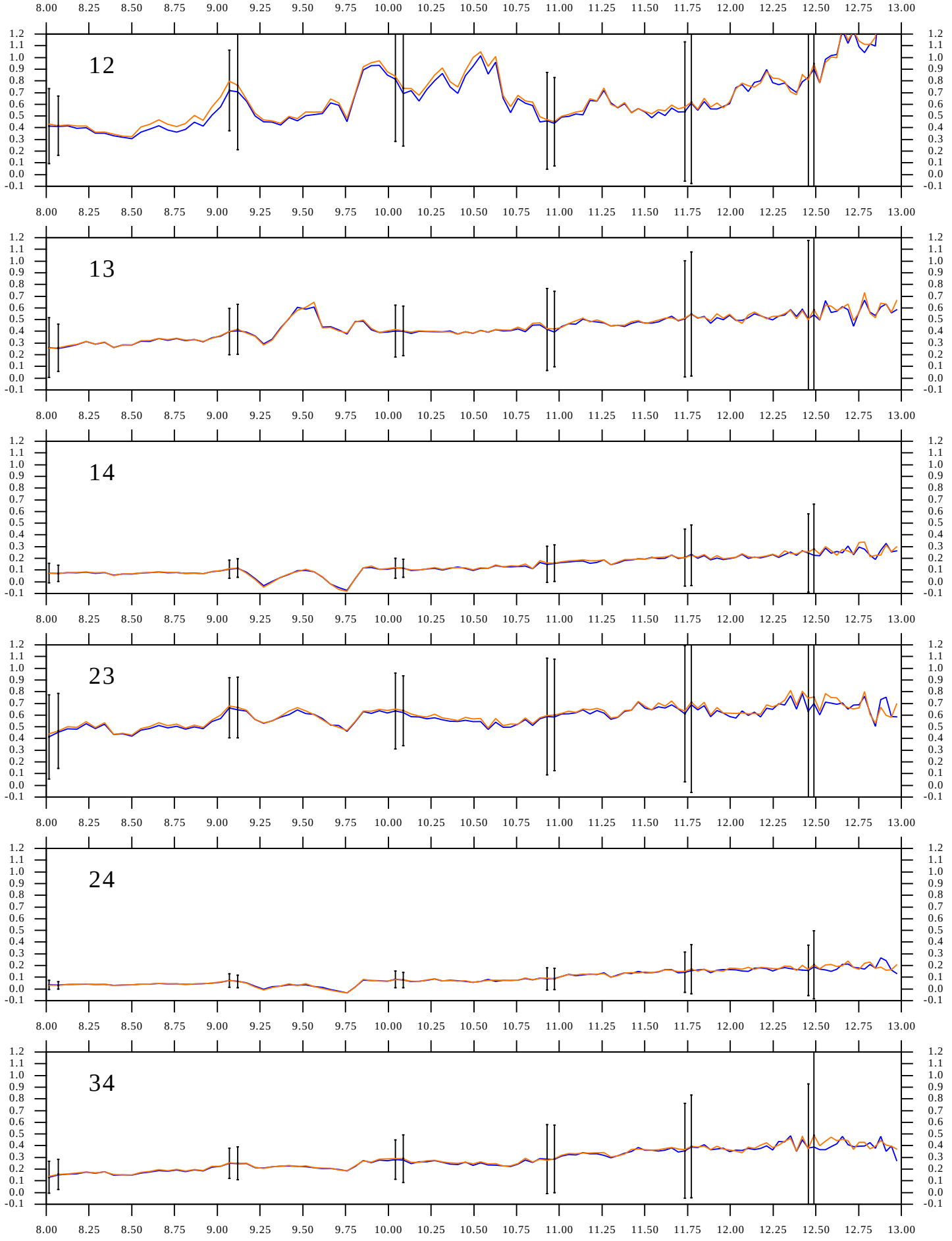
Average closure phase per triplet (t3phi ± err), in degrees ==> page 5

Triplet	[5 13 10]	[1 5 13]	[1 5 10]	[1 13 10]
Phi(deg)	-4.700 ± 0.203 ± 3.220	-0.850 ± 0.053 ± 5.017	+1.263 ± 0.122 ± 2.385	-2.119 ± 0.904 ± 5.670

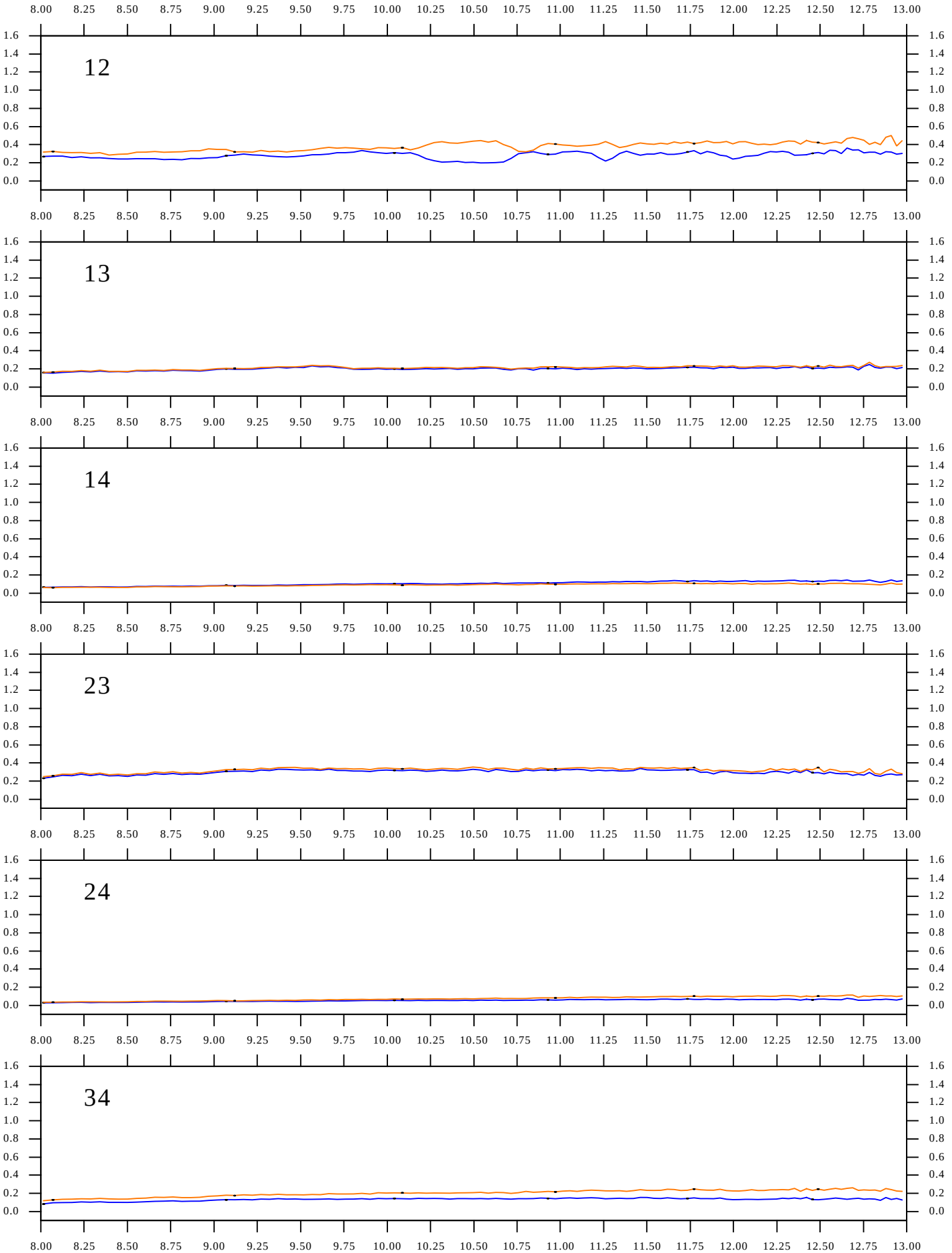
Average photometric flux (1.0e+04 photo-e-/s/sp.channel ± std) ==> page 7

Telescope	Tel_1	Tel_2	Tel_3	Tel_4
Flux	0.396 ± 0.034	0.337 ± 0.033	0.369 ± 0.034	0.335 ± 0.034

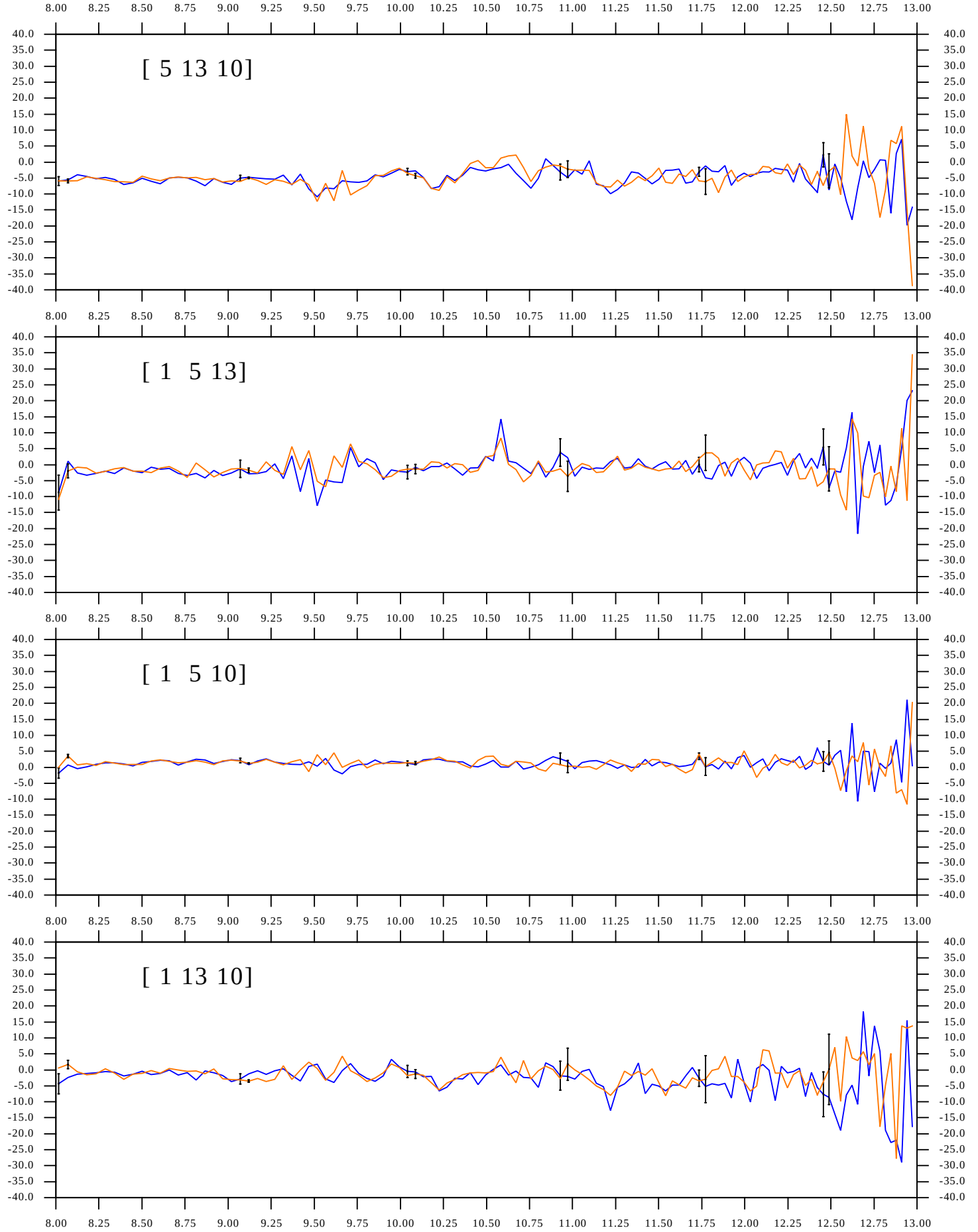
Squared visibility vs wavelength (in microns) ==> VIS2DATA



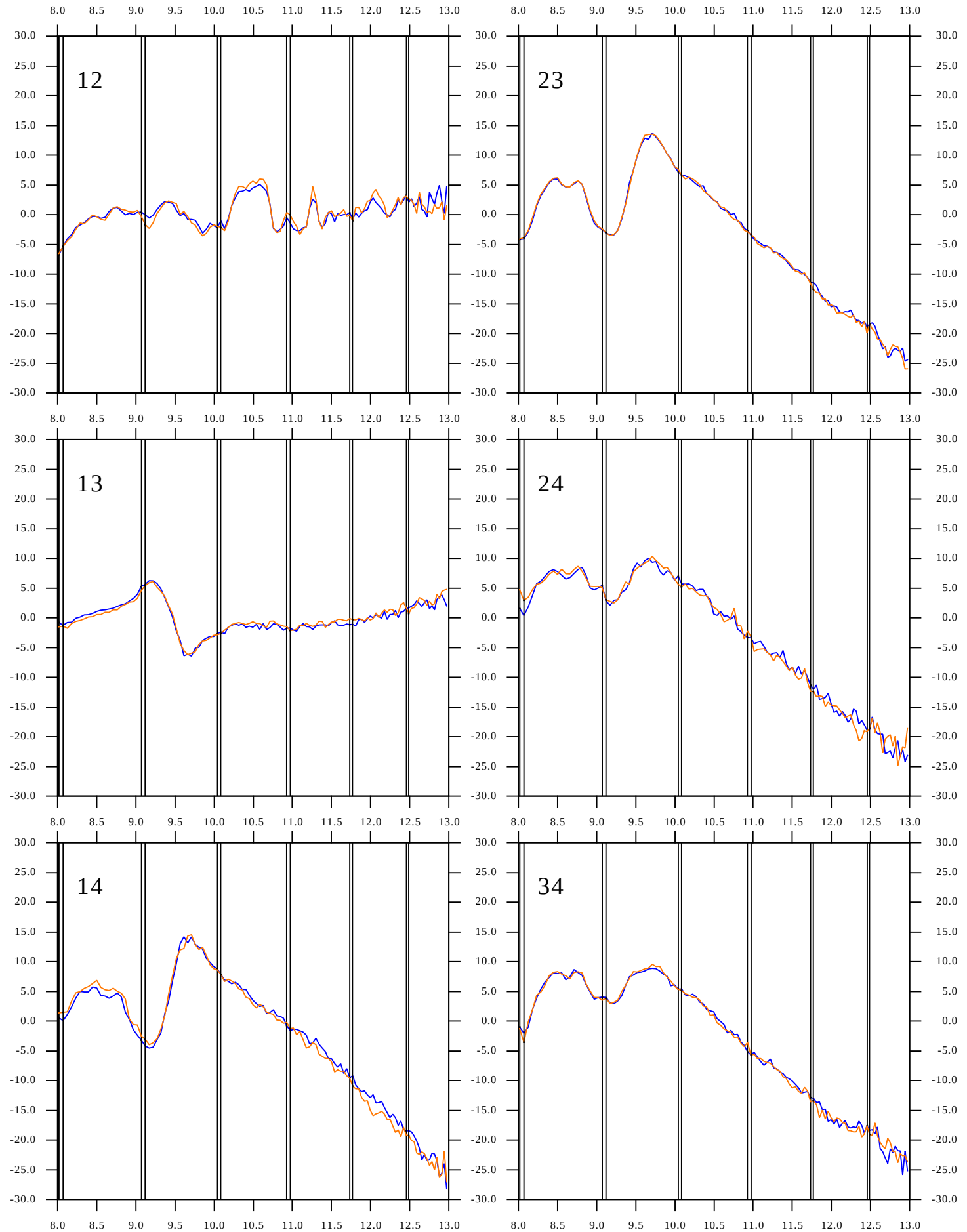
Time averaged visibility amp. vs wavelength (in microns) ==> VISAMP



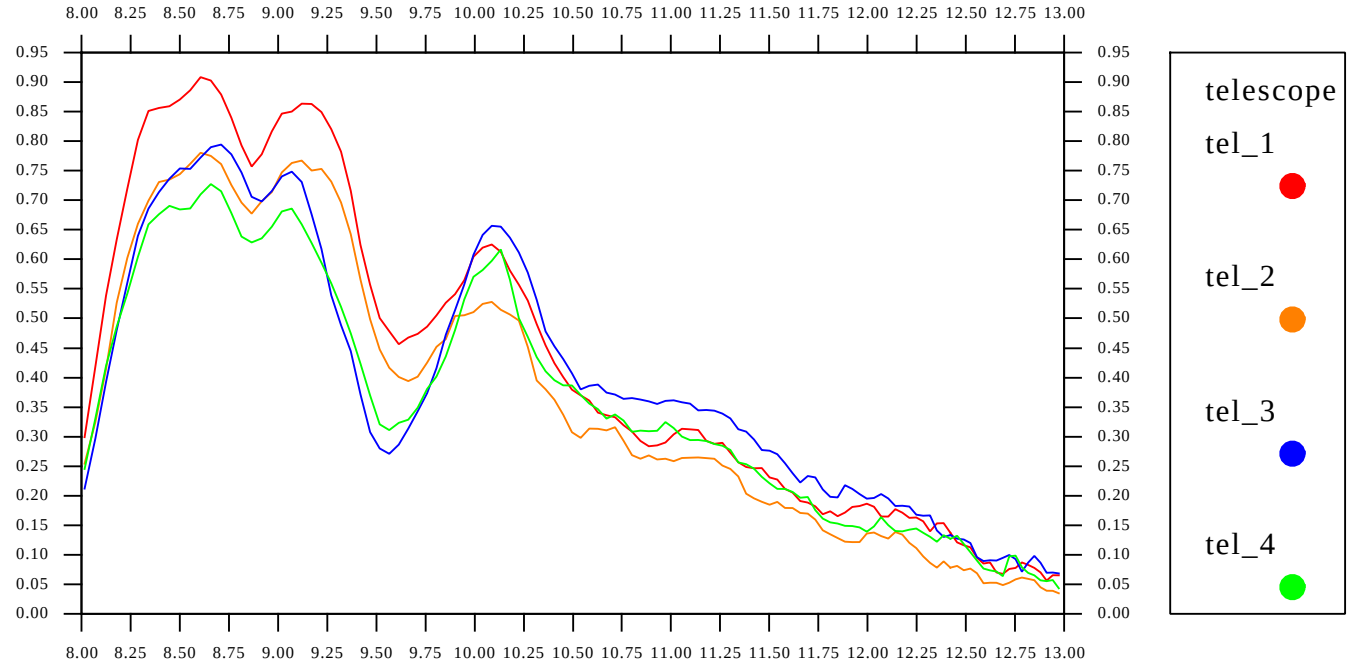
Closure phase (in degres) vs wavelength (in microns) ==> T3PHI



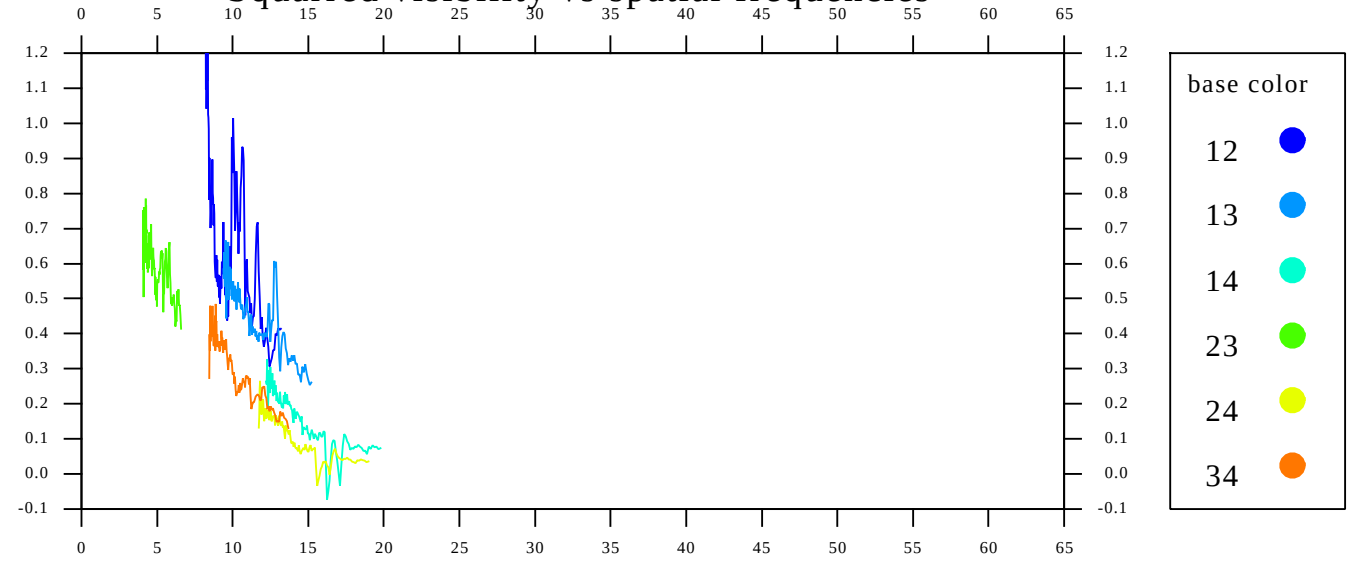
Differential closure phase (in degres) vs wavelength (in microns) ==> VISPHI



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



Squarred visibility vs spatial frequencies



Phase closure vs maximal spatial frequencies