

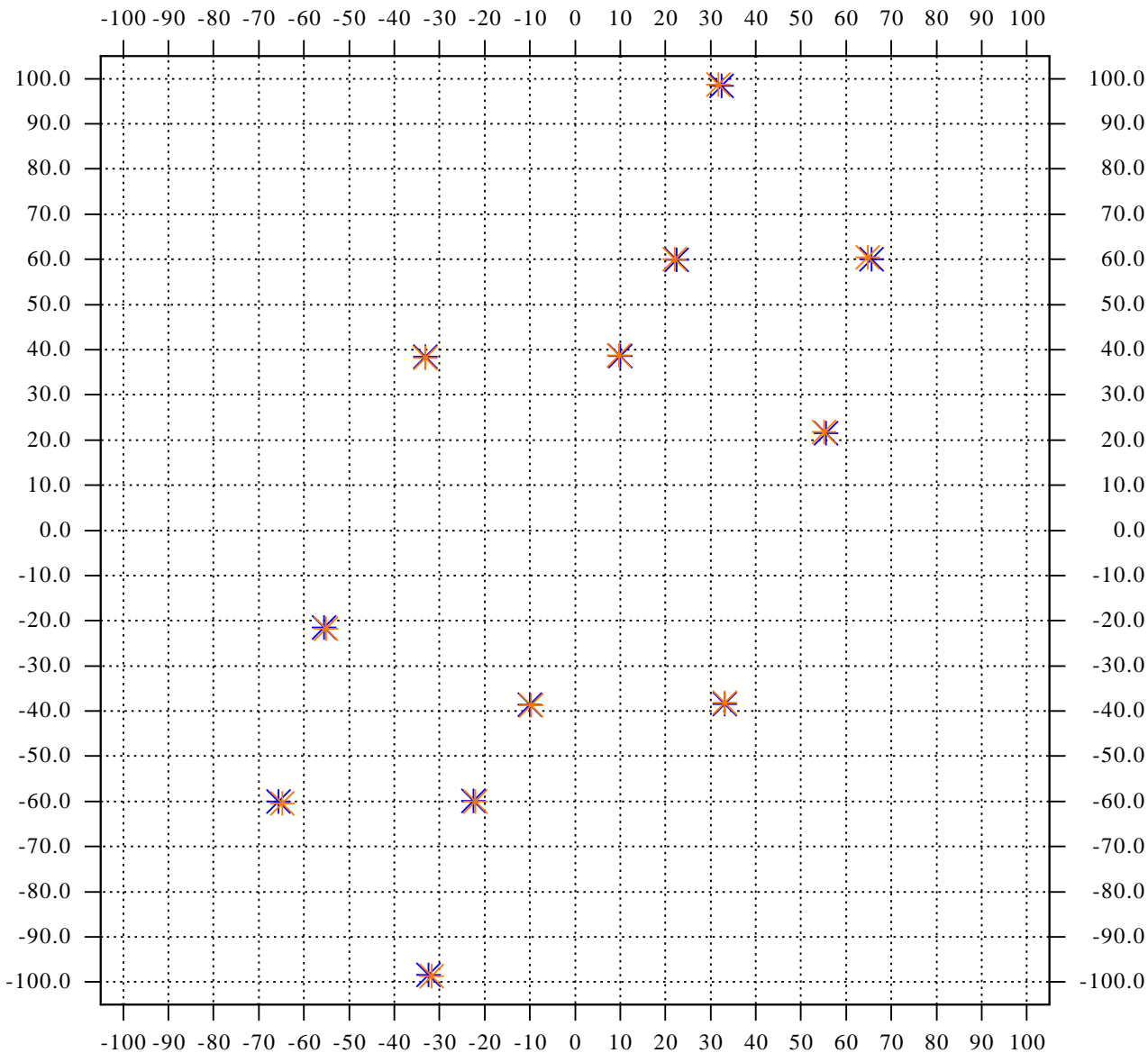
MATISSE OIFITS Quality Control Report

Filename	2018-05-12T03_34_07.8703_HSco_IR-N.fits
Observing date	2018-05-12T03:34:07.8703
Processing/report date	2018-05-31T15:03:49 2018-07-05T16:51:47
Product category, Chip name	CALIB_RAW_INT, AQUARIUS
DIN, PIN, PON, FIN, SFN, BCD1, BCD2	LOW, INTER, OPEN, OPEN, HOLE2, IN, IN
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)	1.08 --> 1.03 ; 12.2 ; 0.002354 --> 0.002378

expo ==> color

0

1



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	0.274 ± 0.083	0.496	0.239	0.068	0.197	0.000
13	0.344 ± 0.077	0.453	0.103	0.120	0.325	0.000
14	0.345 ± 0.093	0.581	0.094	0.051	0.274	0.000
23	0.251 ± 0.082	0.573	0.120	0.034	0.274	0.000
24	0.280 ± 0.083	0.564	0.162	0.085	0.188	0.000
34	0.182 ± 0.088	0.547	0.120	0.103	0.231	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	0.081 ± 0.000	0.974	0.026	0.000	0.000	0.000
13	0.034 ± 0.000	0.966	0.034	0.000	0.000	0.000
14	0.035 ± 0.000	0.983	0.017	0.000	0.000	0.000
23	0.026 ± 0.000	0.991	0.009	0.000	0.000	0.000
24	0.014 ± 0.000	0.966	0.034	0.000	0.000	0.000
34	0.004 ± 0.000	0.974	0.026	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	$+2.678 \pm 635.116$	0.564	0.000	0.000	0.436	0.000
13	$+2.427 \pm 692.227$	0.744	0.000	0.000	0.256	0.000
14	$+8.482 \pm 616.833$	0.624	0.000	0.000	0.376	0.000
23	-0.494 ± 642.092	0.598	0.000	0.000	0.402	0.000
24	-2.193 ± 668.192	0.632	0.000	0.000	0.368	0.000
34	$+9.860 \pm 642.997$	0.615	0.000	0.000	0.385	0.000

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

Triplet	[28 24 13]	[19 28 24]	[19 28 13]	[19 24 13]
Phi(deg)	-6.420 ± 92.934	-11.613 ± 103.682	-6.682 ± 102.745	$+6.057 \pm 96.341$

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	0.323 ± 0.077	0.470	0.197	0.043	0.291	0.000
13	0.439 ± 0.092	0.487	0.094	0.145	0.274	0.000
14	0.453 ± 0.094	0.556	0.043	0.137	0.265	0.000
23	0.315 ± 0.102	0.650	0.060	0.094	0.197	0.000
24	0.293 ± 0.088	0.547	0.120	0.043	0.291	0.000
34	0.212 ± 0.088	0.573	0.145	0.094	0.188	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	0.144 ± 0.000	0.983	0.017	0.000	0.000	0.000
13	0.074 ± 0.000	0.957	0.043	0.000	0.000	0.000
14	0.112 ± 0.000	1.000	0.000	0.000	0.000	0.000
23	0.091 ± 0.000	0.991	0.009	0.000	0.000	0.000
24	0.035 ± 0.000	0.966	0.034	0.000	0.000	0.000
34	0.024 ± 0.000	0.983	0.017	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	-5.995 ± 652.110	0.632	0.000	0.000	0.368	0.000
13	$+24.801 \pm 698.221$	0.726	0.000	0.000	0.274	0.000
14	$+7.113 \pm 634.440$	0.632	0.000	0.000	0.368	0.000
23	-8.215 ± 663.850	0.701	0.000	0.000	0.299	0.000
24	$+12.314 \pm 663.679$	0.573	0.000	0.000	0.427	0.000
34	$+3.539 \pm 677.247$	0.667	0.000	0.000	0.333	0.000

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

Triplet	[28 24 13]	[19 28 24]	[19 28 13]	[19 24 13]
Phi(deg)	$+4.302 \pm 88.690$	$+2.855 \pm 82.698$	$+3.361 \pm 80.434$	-6.438 ± 75.720

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	$0.298 \pm 0.024 \pm 0.080$	0.483	0.218	0.056	0.244	0.000
13	$0.391 \pm 0.048 \pm 0.084$	0.470	0.098	0.132	0.299	0.000
14	$0.399 \pm 0.054 \pm 0.094$	0.568	0.068	0.094	0.269	0.000
23	$0.283 \pm 0.032 \pm 0.092$	0.611	0.090	0.064	0.235	0.000
24	$0.287 \pm 0.007 \pm 0.085$	0.556	0.141	0.064	0.239	0.000
34	$0.197 \pm 0.015 \pm 0.088$	0.560	0.132	0.098	0.209	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	$0.112 \pm 0.031 \pm 0.000$	0.979	0.021	0.000	0.000	0.000
13	$0.054 \pm 0.020 \pm 0.000$	0.962	0.038	0.000	0.000	0.000
14	$0.073 \pm 0.038 \pm 0.000$	0.991	0.009	0.000	0.000	0.000
23	$0.058 \pm 0.032 \pm 0.000$	0.991	0.009	0.000	0.000	0.000
24	$0.024 \pm 0.011 \pm 0.000$	0.966	0.034	0.000	0.000	0.000
34	$0.014 \pm 0.010 \pm 0.000$	0.979	0.021	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	$-1.658 \pm 4.337 \pm 643.613$	0.598	0.000	0.000	0.402	0.000
13	$+13.614 \pm 11.187 \pm 695.224$	0.735	0.000	0.000	0.265	0.000
14	$+7.798 \pm 0.685 \pm 625.636$	0.628	0.000	0.000	0.372	0.000
23	$-4.355 \pm 3.861 \pm 652.971$	0.650	0.000	0.000	0.350	0.000
24	$+5.060 \pm 7.253 \pm 665.936$	0.603	0.000	0.000	0.397	0.000
34	$+6.700 \pm 3.160 \pm 660.122$	0.641	0.000	0.000	0.359	0.000

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

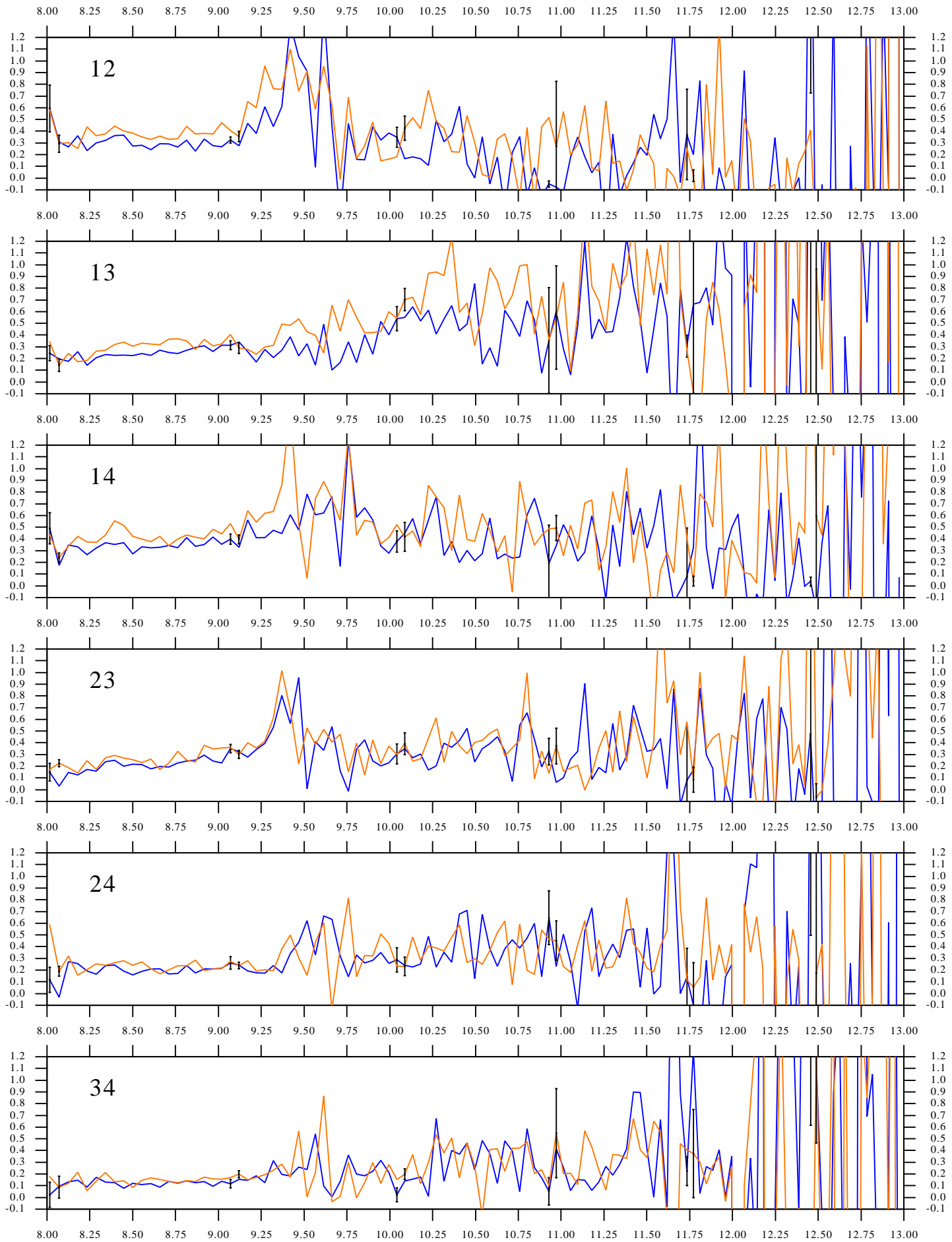
Triplet [28 24 13] [19 28 24] [19 28 13] [19 24 13]

Phi(deg) $-1.059 \pm 5.361 \pm 90.812$ $-1.660 \pm 5.022 \pm 91.589$
 $-4.379 \pm 7.234 \pm 93.190$ $-0.191 \pm 6.247 \pm 86.031$

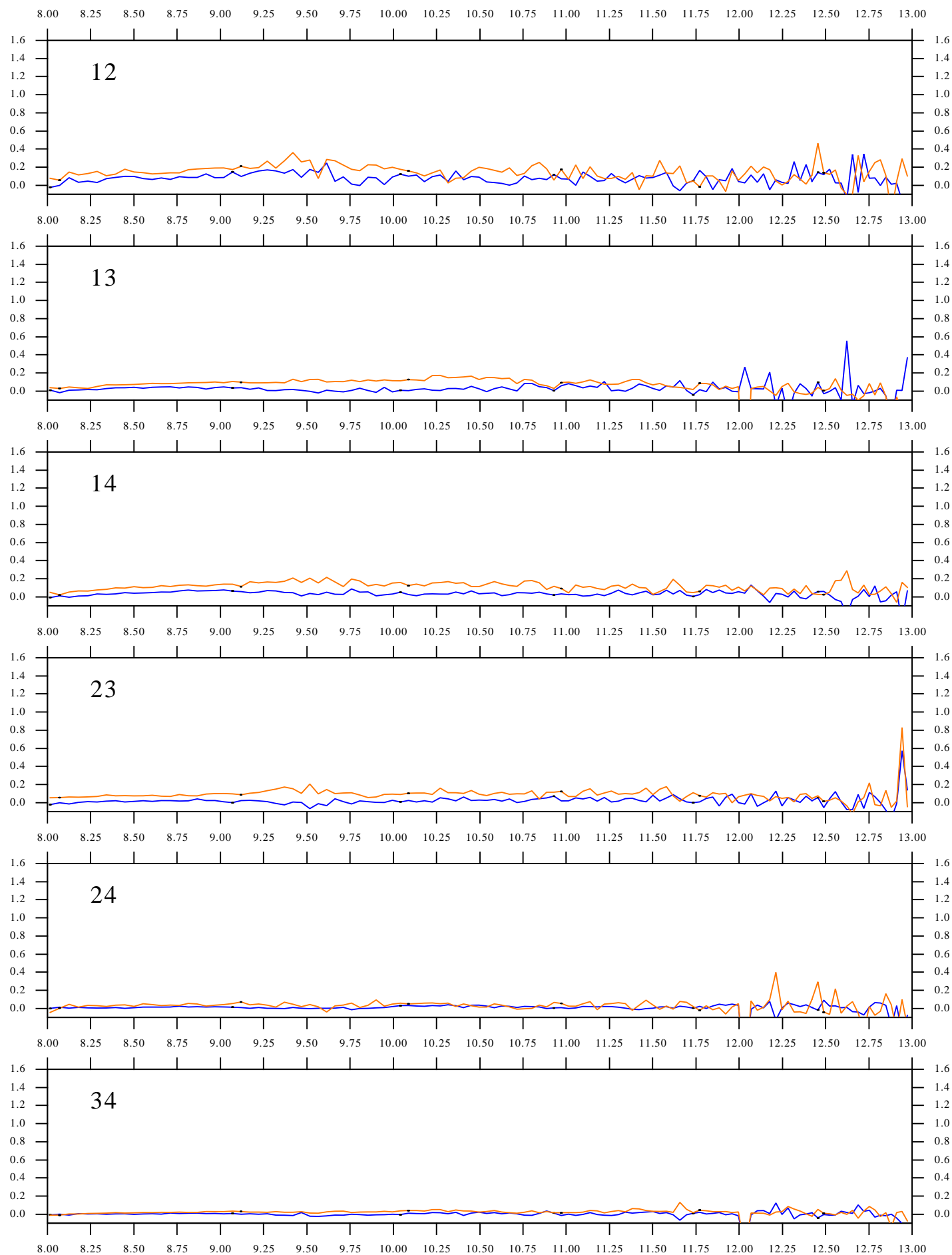
Average photometric flux ($1.0\text{e}+04 \text{ photo-e-/s/sp.channel} \pm \text{std}$) ==> page 7

Telescope	Tel_1	Tel_2	Tel_3	Tel_4
Flux	0.025 ± 0.001	0.024 ± 0.001	0.021 ± 0.001	0.025 ± 0.001

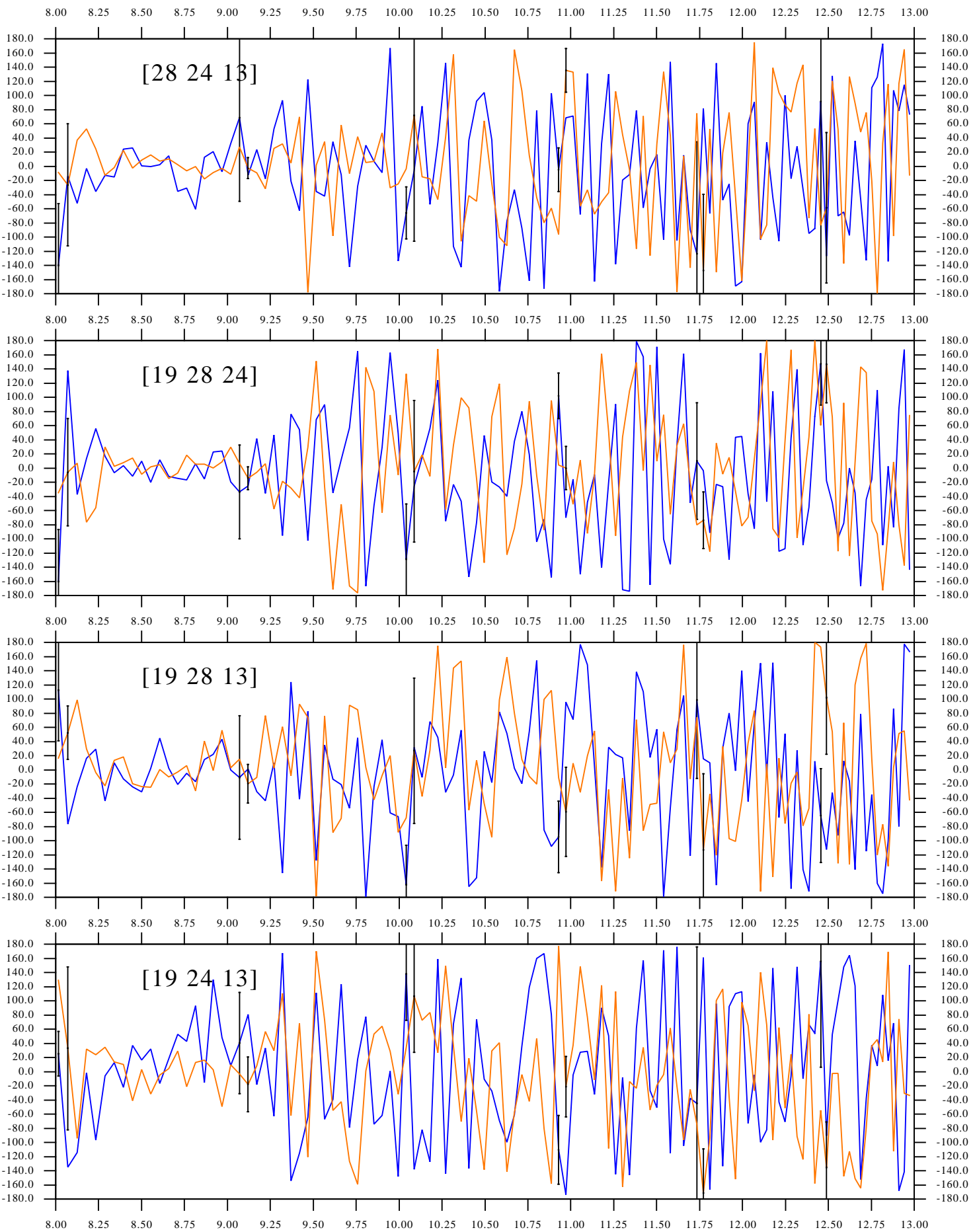
Squared visibility vs wavelength (in microns) ==> VIS2DATA



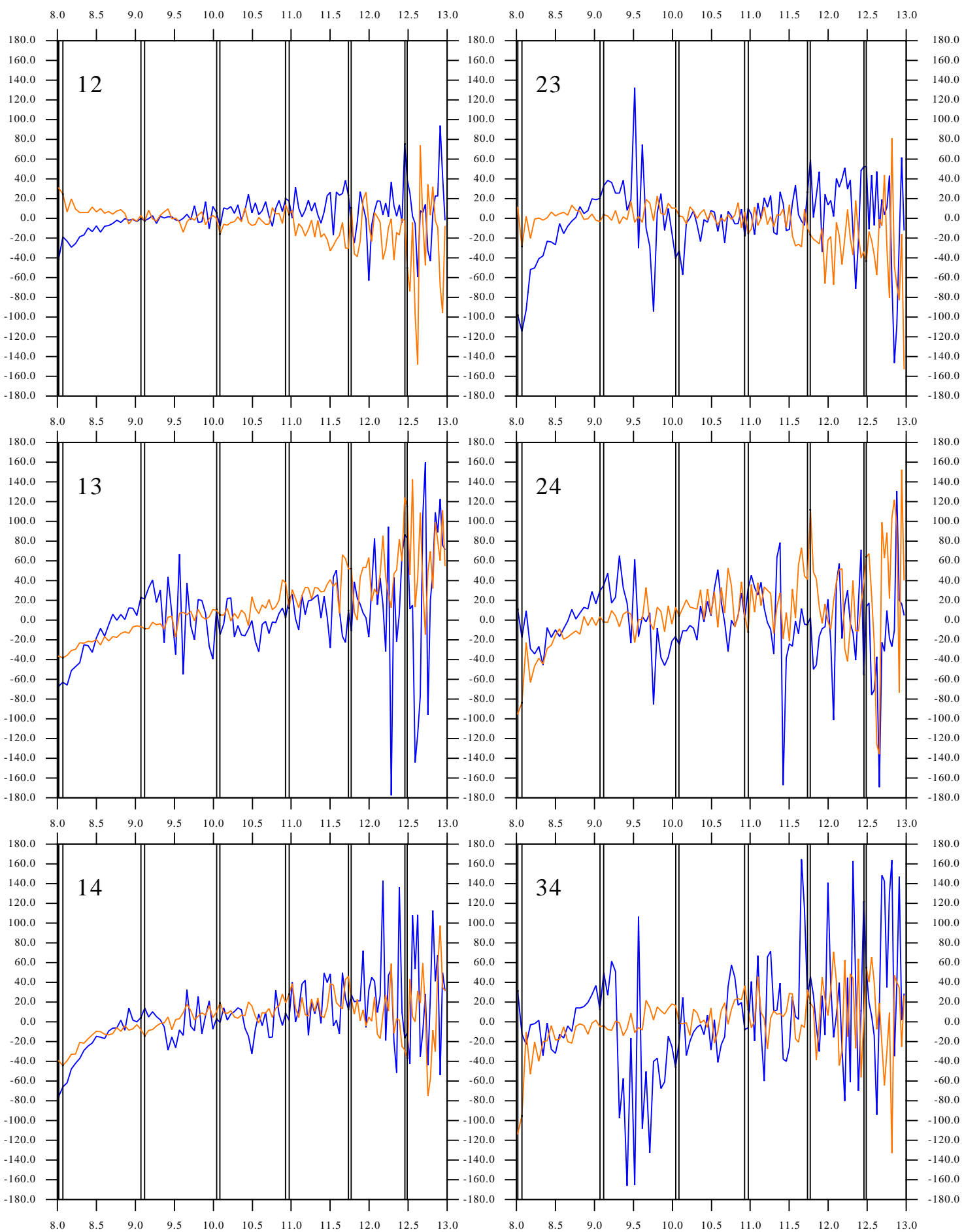
Time averaged visibility amp. vs wavelength (in microns) ==> VISAMP



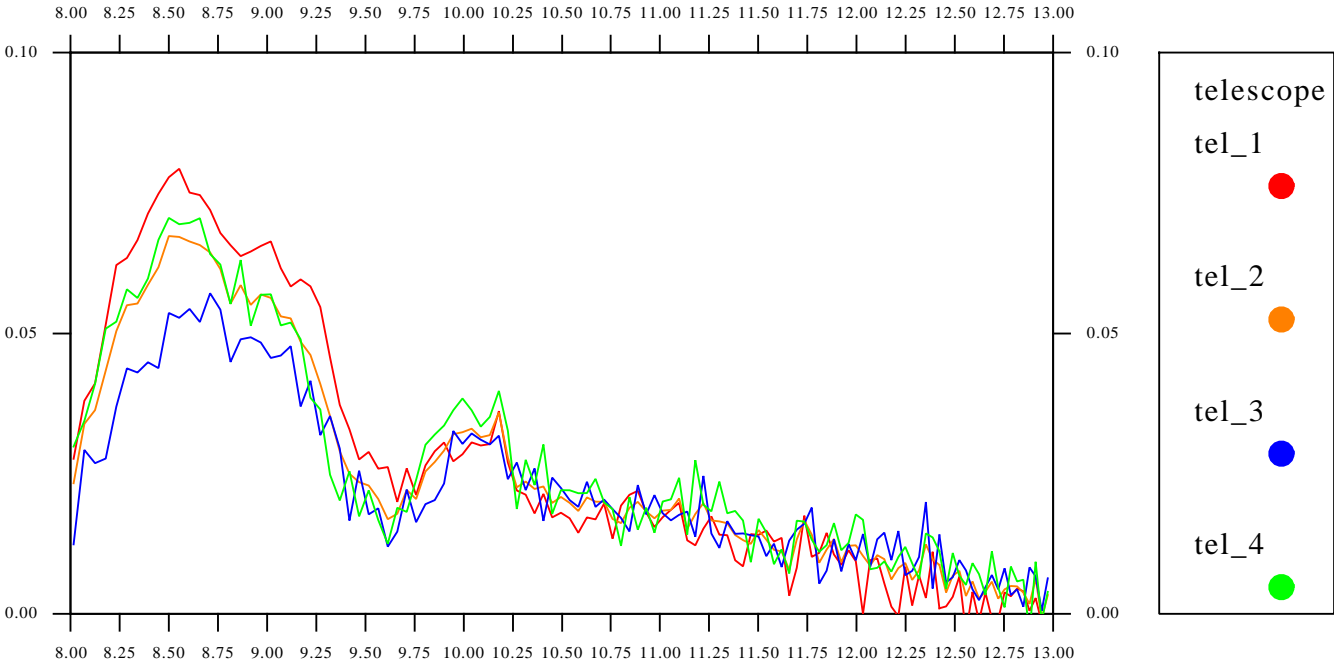
Closure phase (in degrees) vs wavelength (in microns) ==> T3PHI



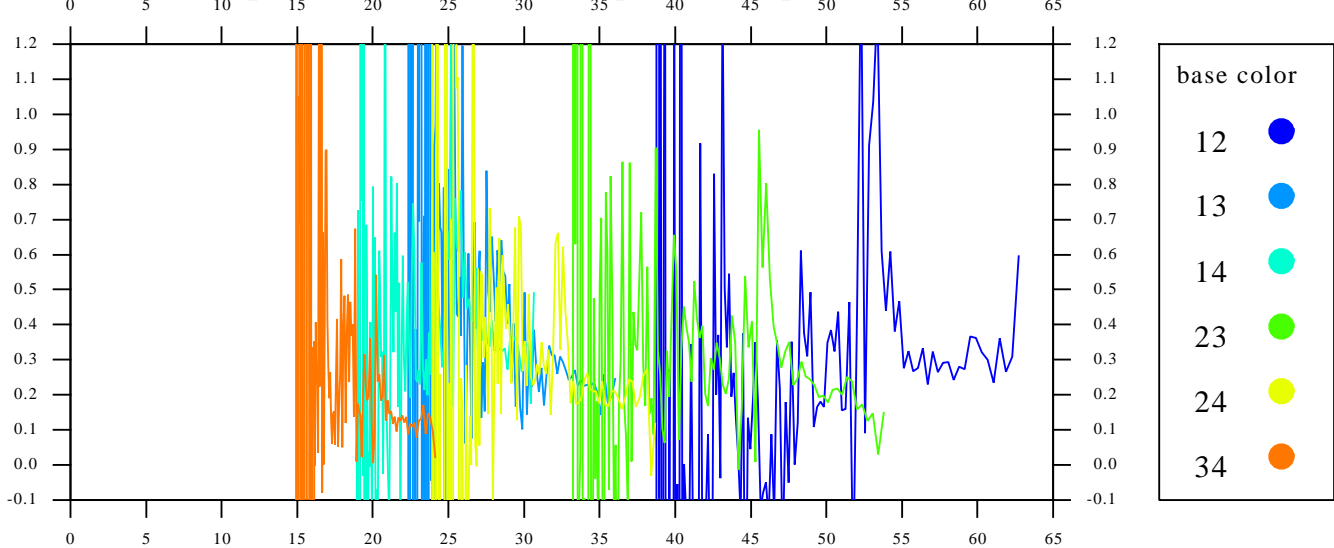
Differential closure phase (in degrees) vs wavelength (in microns) ==> VISPHI



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



Squarred visibility vs spatial frequencies



Phase closure vs maximal spatial frequencies

