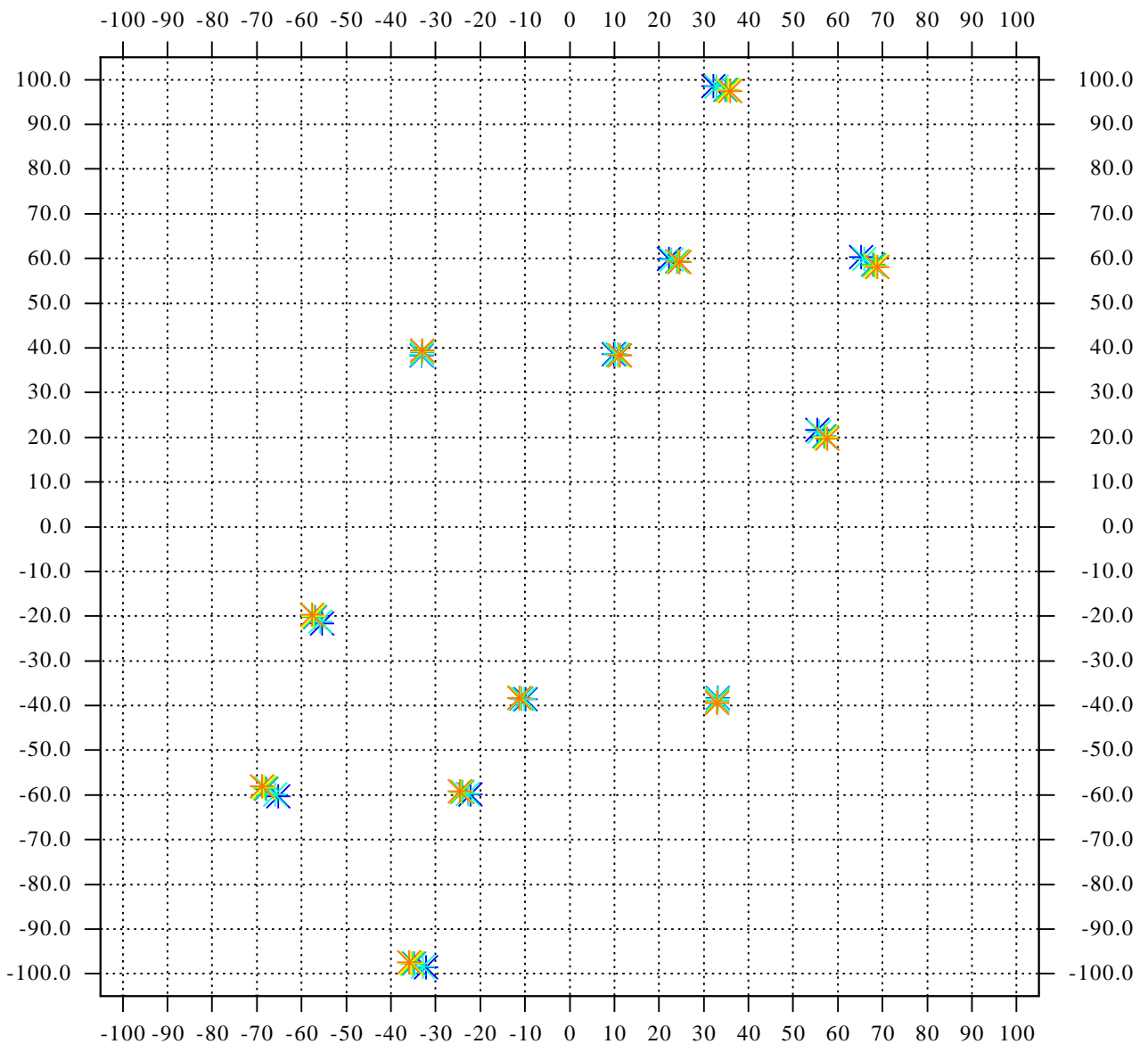
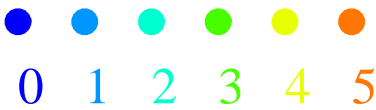


MATISSE OIFITS Quality Control Report

Filename	2018-05-12T03_32_49.4489_HSco_IR-LM.fits
Observing date	2018-05-12T03:32:49.4489
Processing/report date	2018-06-06T06:42:10 2018-07-05T16:51:47
Product category, Chip name	CALIB_RAW_INT, HAWAII-2RG
DIL, PIL, POL, FIL, SFL, BCD1, BCD2	LOW, PHOTO, OPEN, L, HOLE2, OUT, OUT
NDIT x DIT ; time_tot ; nb_expo ; nwave	385 x 0.0751997 s ; 28.9518845 s ; 6 ; 64
Object name	H Sco [STD]
Object RA, Dec, L, M	249.093716 -35.25528 L = TBD M = TBD
Telescope stations	AT4=J3 AT3=D0 AT2=G2 AT1=K0
Seeing (arcsec) ; Wind (m/s) ; T0 in V (s)	1.7 --> 1.45 ; 12.98 ; 0.001681 --> 0.002335

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	0.034 ± 0.005	1.000	0.000	0.000	0.000	0.000
13	0.175 ± 0.020	1.000	0.000	0.000	0.000	0.000
14	0.112 ± 0.017	1.000	0.000	0.000	0.000	0.000
23	0.046 ± 0.005	1.000	0.000	0.000	0.000	0.000
24	0.070 ± 0.008	1.000	0.000	0.000	0.000	0.000
34	0.066 ± 0.010	1.000	0.000	0.000	0.000	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	0.015 ± 0.000	1.000	0.000	0.000	0.000	0.000
13	0.086 ± 0.000	1.000	0.000	0.000	0.000	0.000
14	0.057 ± 0.000	1.000	0.000	0.000	0.000	0.000
23	0.022 ± 0.000	1.000	0.000	0.000	0.000	0.000
24	0.032 ± 0.000	1.000	0.000	0.000	0.000	0.000
34	0.026 ± 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	-16.518 ± 203.179	0.962	0.000	0.000	0.038	0.000
13	$+19.295 \pm 171.198$	1.000	0.000	0.000	0.000	0.000
14	$+2.864 \pm 140.953$	0.885	0.000	0.000	0.115	0.000
23	-16.292 ± 213.072	0.923	0.000	0.000	0.077	0.000
24	$+31.331 \pm 149.878$	0.923	0.000	0.000	0.077	0.000
34	$+21.187 \pm 158.328$	0.942	0.000	0.000	0.058	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)	$+0.712 \pm 11.277$	-3.131 ± 7.016	-2.762 ± 12.482	-4.786 ± 11.540

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	0.043 ± 0.006	1.000	0.000	0.000	0.000	0.000
13	0.113 ± 0.014	1.000	0.000	0.000	0.000	0.000
14	0.089 ± 0.009	1.000	0.000	0.000	0.000	0.000
23	0.052 ± 0.009	1.000	0.000	0.000	0.000	0.000
24	0.068 ± 0.006	1.000	0.000	0.000	0.000	0.000
34	0.080 ± 0.008	1.000	0.000	0.000	0.000	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	0.018 ± 0.000	1.000	0.000	0.000	0.000	0.000
13	0.038 ± 0.000	1.000	0.000	0.000	0.000	0.000
14	0.049 ± 0.000	1.000	0.000	0.000	0.000	0.000
23	0.020 ± 0.000	1.000	0.000	0.000	0.000	0.000
24	0.019 ± 0.000	1.000	0.000	0.000	0.000	0.000
34	0.029 ± 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	-24.670 ± 233.232	0.904	0.000	0.000	0.096	0.000
13	-11.344 ± 200.720	0.808	0.000	0.000	0.192	0.000
14	-4.927 ± 193.791	0.788	0.000	0.000	0.212	0.000
23	-4.164 ± 222.794	0.865	0.000	0.000	0.135	0.000
24	-19.134 ± 176.880	0.942	0.000	0.000	0.058	0.000
34	$+8.383 \pm 204.085$	0.808	0.000	0.000	0.192	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)	-2.743 ± 6.184	-4.465 ± 2.925	-5.878 ± 5.959	-1.066 ± 3.140

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	0.045 ± 0.007	1.000	0.000	0.000	0.000	0.000
13	0.126 ± 0.013	1.000	0.000	0.000	0.000	0.000
14	0.124 ± 0.013	0.981	0.019	0.000	0.000	0.000
23	0.069 ± 0.010	1.000	0.000	0.000	0.000	0.000
24	0.075 ± 0.005	1.000	0.000	0.000	0.000	0.000
34	0.085 ± 0.016	1.000	0.000	0.000	0.000	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	0.024 ± 0.000	1.000	0.000	0.000	0.000	0.000
13	0.052 ± 0.000	1.000	0.000	0.000	0.000	0.000
14	0.041 ± 0.000	1.000	0.000	0.000	0.000	0.000
23	0.024 ± 0.000	1.000	0.000	0.000	0.000	0.000
24	0.035 ± 0.000	1.000	0.000	0.000	0.000	0.000
34	0.033 ± 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	-9.908 ± 156.803	0.865	0.000	0.000	0.135	0.000
13	$+20.870 \pm 208.098$	1.000	0.000	0.000	0.000	0.000
14	-11.802 ± 203.373	0.904	0.000	0.000	0.096	0.000
23	-5.470 ± 204.086	0.846	0.000	0.000	0.154	0.000
24	$+14.203 \pm 143.499$	0.962	0.000	0.000	0.038	0.000
34	-0.920 ± 136.214	0.750	0.000	0.000	0.250	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)	$+8.615 \pm 5.433$	$+0.984 \pm 8.718$	-3.334 ± 11.090	$+2.396 \pm 4.246$

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	0.037 ± 0.003	1.000	0.000	0.000	0.000	0.000
13	0.151 ± 0.014	1.000	0.000	0.000	0.000	0.000
14	0.086 ± 0.009	1.000	0.000	0.000	0.000	0.000
23	0.059 ± 0.009	1.000	0.000	0.000	0.000	0.000
24	0.054 ± 0.007	1.000	0.000	0.000	0.000	0.000
34	0.087 ± 0.012	1.000	0.000	0.000	0.000	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	0.013 ± 0.000	1.000	0.000	0.000	0.000	0.000
13	0.050 ± 0.000	1.000	0.000	0.000	0.000	0.000
14	0.038 ± 0.000	1.000	0.000	0.000	0.000	0.000
23	0.022 ± 0.000	1.000	0.000	0.000	0.000	0.000
24	0.020 ± 0.000	1.000	0.000	0.000	0.000	0.000
34	0.028 ± 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	$+12.734 \pm 232.864$	0.942	0.000	0.000	0.058	0.000
13	-11.752 ± 251.763	0.904	0.000	0.000	0.096	0.000
14	-3.081 ± 201.637	0.942	0.000	0.000	0.058	0.000
23	-13.075 ± 187.019	0.827	0.000	0.000	0.173	0.000
24	$+3.647 \pm 183.774$	0.923	0.000	0.000	0.077	0.000
34	$+3.307 \pm 239.230$	0.942	0.000	0.000	0.058	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)	$+3.785 \pm 5.194$	-0.566 ± 7.849	-11.131 ± 7.523	-2.159 ± 5.829

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	0.041 ± 0.013	0.981	0.019	0.000	0.000	0.000
13	0.105 ± 0.021	0.981	0.000	0.000	0.019	0.000
14	0.083 ± 0.017	1.000	0.000	0.000	0.000	0.000
23	0.069 ± 0.017	1.000	0.000	0.000	0.000	0.000
24	0.055 ± 0.014	1.000	0.000	0.000	0.000	0.000
34	0.078 ± 0.019	1.000	0.000	0.000	0.000	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	0.011 ± 0.000	1.000	0.000	0.000	0.000	0.000
13	0.032 ± 0.000	1.000	0.000	0.000	0.000	0.000
14	0.025 ± 0.000	1.000	0.000	0.000	0.000	0.000
23	0.021 ± 0.000	1.000	0.000	0.000	0.000	0.000
24	0.016 ± 0.000	1.000	0.000	0.000	0.000	0.000
34	0.021 ± 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	-31.312 ± 275.172	0.942	0.000	0.000	0.058	0.000
13	$+4.613 \pm 213.717$	0.923	0.000	0.000	0.077	0.000
14	$+1.741 \pm 297.933$	0.827	0.000	0.000	0.173	0.000
23	-24.599 ± 290.636	0.885	0.000	0.000	0.115	0.000
24	$+8.978 \pm 192.894$	0.827	0.000	0.000	0.173	0.000
34	$+23.090 \pm 274.580$	0.923	0.000	0.000	0.077	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)	$+7.286 \pm 11.841$	-5.398 ± 7.435	$+2.849 \pm 14.667$	$+3.018 \pm 5.013$

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	0.026 ± 0.009	1.000	0.000	0.000	0.000	0.000
13	0.079 ± 0.012	0.962	0.019	0.000	0.019	0.000
14	0.074 ± 0.014	1.000	0.000	0.000	0.000	0.000
23	0.046 ± 0.012	1.000	0.000	0.000	0.000	0.000
24	0.048 ± 0.014	1.000	0.000	0.000	0.000	0.000
34	0.065 ± 0.014	1.000	0.000	0.000	0.000	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	0.006 ± 0.000	1.000	0.000	0.000	0.000	0.000
13	0.013 ± 0.000	1.000	0.000	0.000	0.000	0.000
14	-0.000 ± 0.000	0.019	0.000	0.000	0.000	0.981
23	0.014 ± 0.000	1.000	0.000	0.000	0.000	0.000
24	0.009 ± 0.000	1.000	0.000	0.000	0.000	0.000
34	0.011 ± 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	-4.737 ± 272.479	0.808	0.000	0.000	0.192	0.000
13	$+18.151 \pm 275.387$	0.846	0.000	0.000	0.154	0.000
14	$+5.862 \pm 269.465$	0.846	0.000	0.000	0.154	0.000
23	-5.650 ± 280.243	0.788	0.000	0.000	0.212	0.000
24	$+30.136 \pm 342.662$	0.923	0.000	0.000	0.077	0.000
34	$+0.963 \pm 279.282$	0.942	0.000	0.000	0.058	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)	$+9.541 \pm 8.491$	-8.374 ± 5.779	-9.709 ± 12.462	$+6.801 \pm 9.605$

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	$0.037 \pm 0.006 \pm 0.007$	0.997	0.003	0.000	0.000	0.000
13	$0.125 \pm 0.031 \pm 0.016$	0.990	0.003	0.000	0.006	0.000
14	$0.095 \pm 0.017 \pm 0.013$	0.997	0.003	0.000	0.000	0.000
23	$0.057 \pm 0.010 \pm 0.010$	1.000	0.000	0.000	0.000	0.000
24	$0.062 \pm 0.010 \pm 0.009$	1.000	0.000	0.000	0.000	0.000
34	$0.077 \pm 0.009 \pm 0.013$	1.000	0.000	0.000	0.000	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	$0.014 \pm 0.005 \pm 0.000$	1.000	0.000	0.000	0.000	0.000
13	$0.045 \pm 0.022 \pm 0.000$	1.000	0.000	0.000	0.000	0.000
14	$0.035 \pm 0.019 \pm 0.000$	0.837	0.000	0.000	0.000	0.163
23	$0.020 \pm 0.003 \pm 0.000$	1.000	0.000	0.000	0.000	0.000
24	$0.022 \pm 0.009 \pm 0.000$	1.000	0.000	0.000	0.000	0.000
34	$0.025 \pm 0.007 \pm 0.000$	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 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	$-12.402 \pm 14.270 \pm 228.955$	0.904	0.000	0.000	0.096	0.000
13	$+6.639 \pm 13.910 \pm 220.147$	0.913	0.000	0.000	0.087	0.000
14	$-1.557 \pm 5.832 \pm 217.859$	0.865	0.000	0.000	0.135	0.000
23	$-11.541 \pm 7.319 \pm 232.975$	0.856	0.000	0.000	0.144	0.000
24	$+11.527 \pm 17.100 \pm 198.265$	0.917	0.000	0.000	0.083	0.000
34	$+9.335 \pm 9.506 \pm 215.287$	0.885	0.000	0.000	0.115	0.000

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

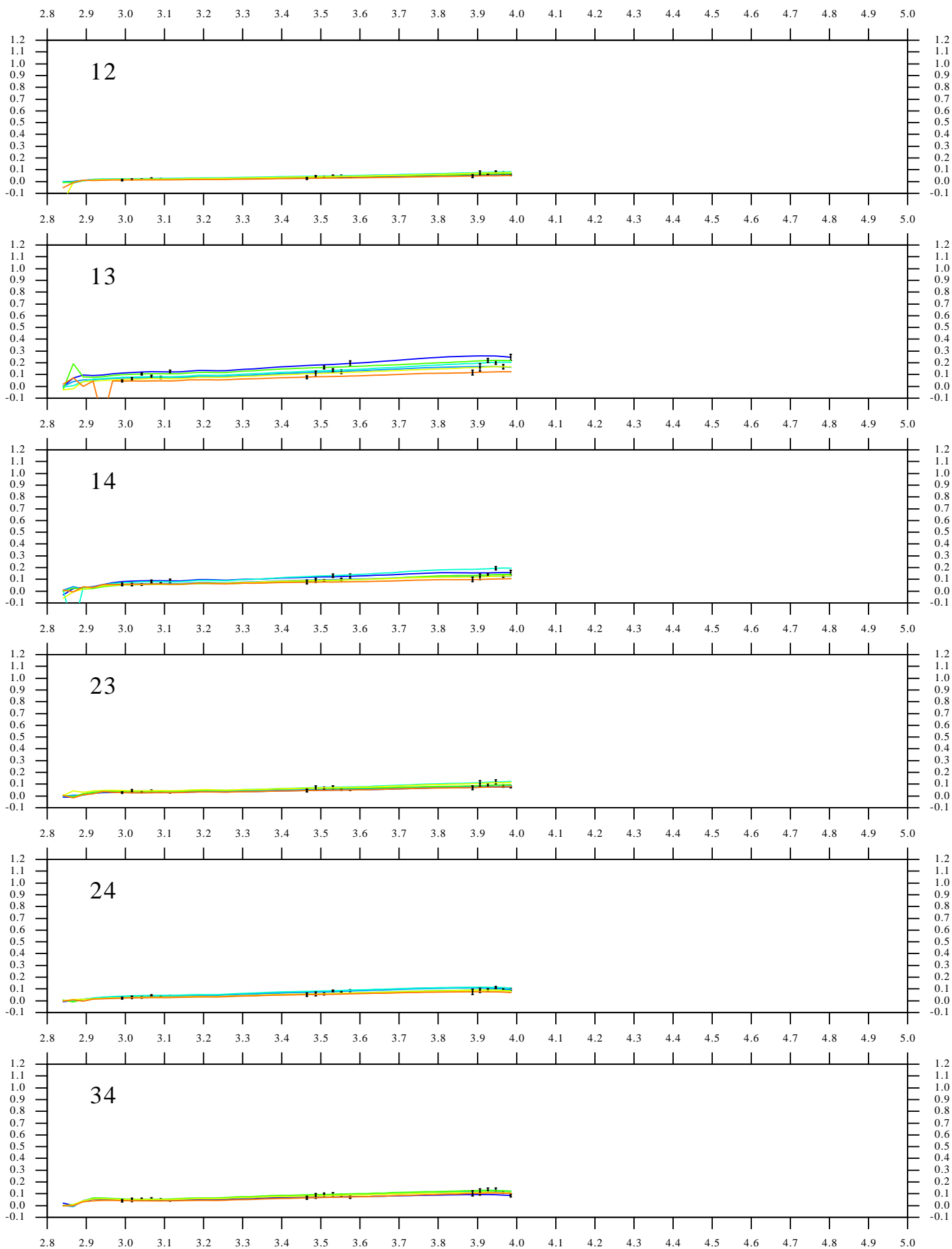
Triplet [19 13 24] [28 19 13] [28 19 24] [28 13 24]

Phi(deg) $+4.533 \pm 4.424 \pm 8.070$ $-4.994 \pm 4.653 \pm 10.697$
 $-3.492 \pm 3.086 \pm 6.620$ $+0.701 \pm 3.805 \pm 6.562$

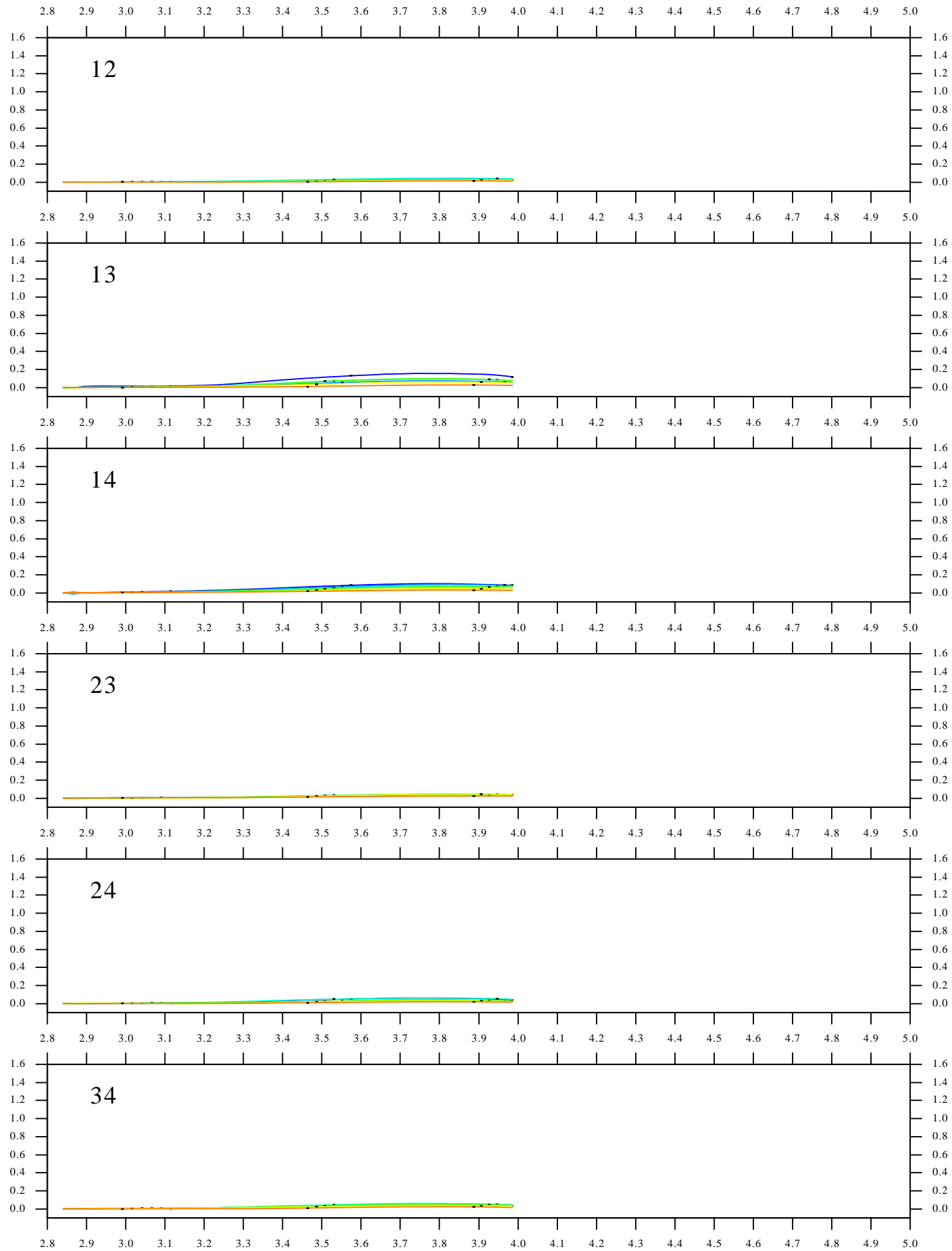
Average photometric flux ($1.0\text{e}+04 \text{ photo-e-/s/sp.channel} \pm \text{std}$) ==> page 7

Telescope	Tel_1	Tel_2	Tel_3	Tel_4
Flux	15.826 ± 0.197	12.175 ± 0.167	12.277 ± 0.140	16.943 ± 0.200

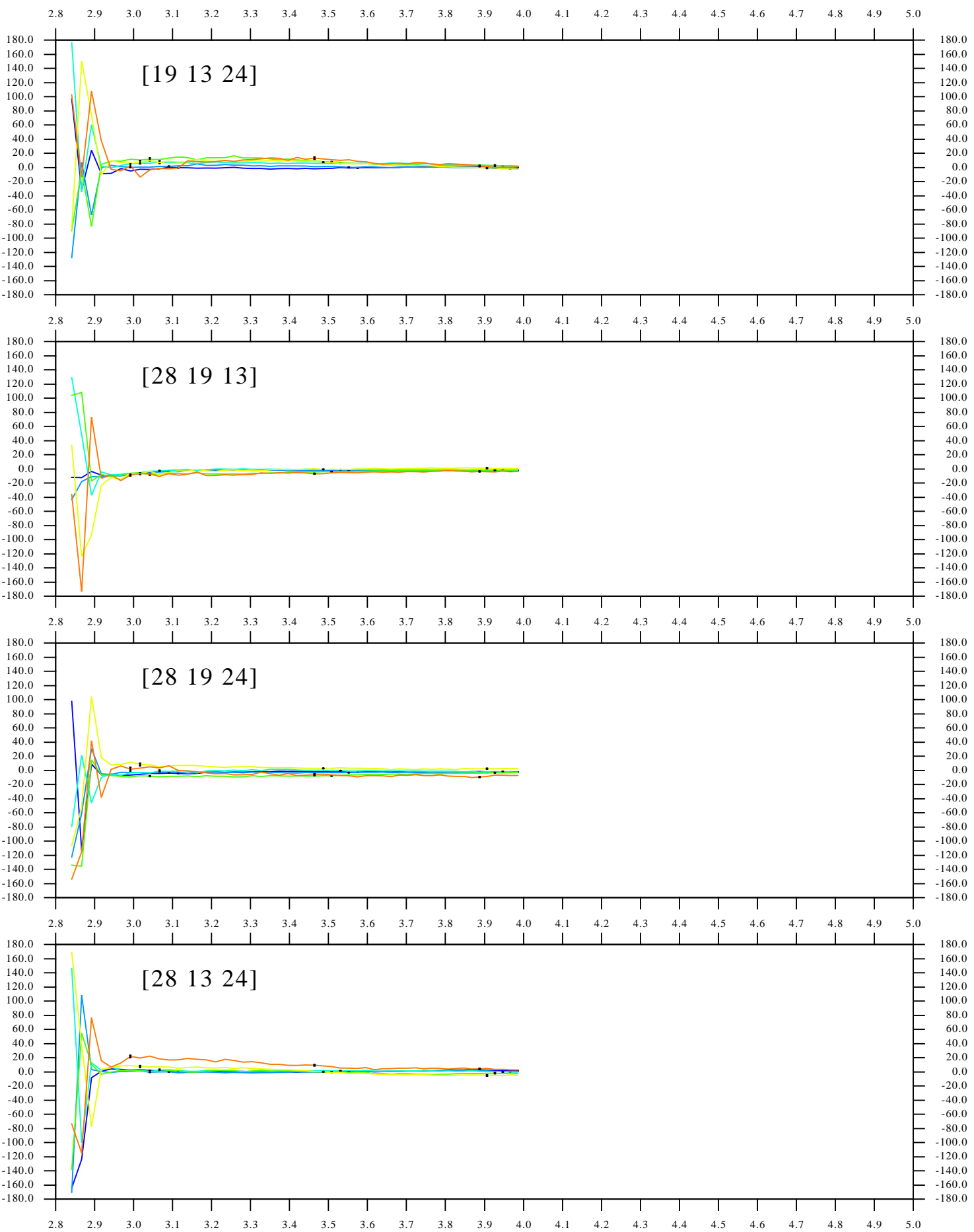
Squared visibility vs wavelength (in microns) ==> VIS2DATA



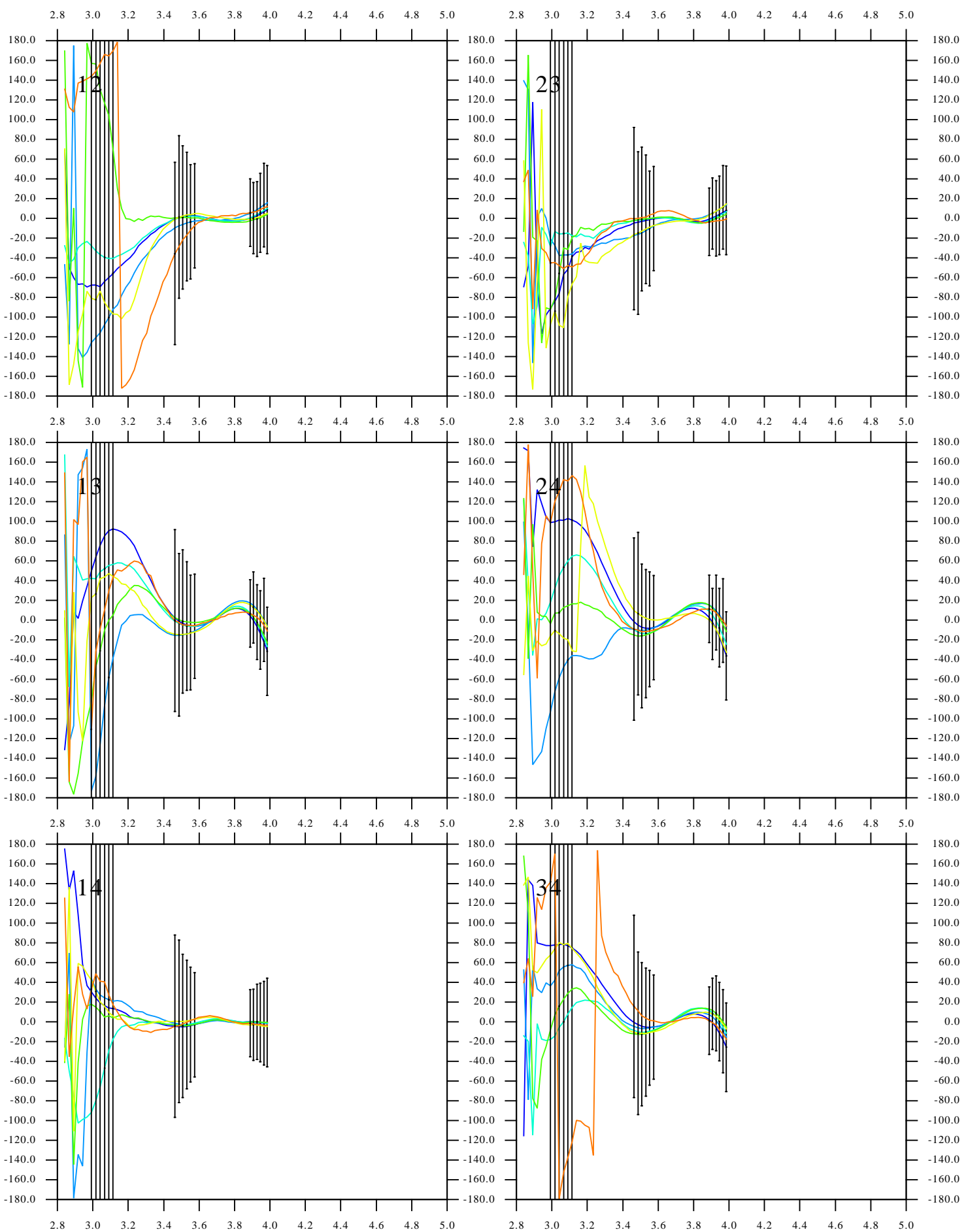
Time averaged visibility amp. vs wavelength (in microns) ==> VISAMP



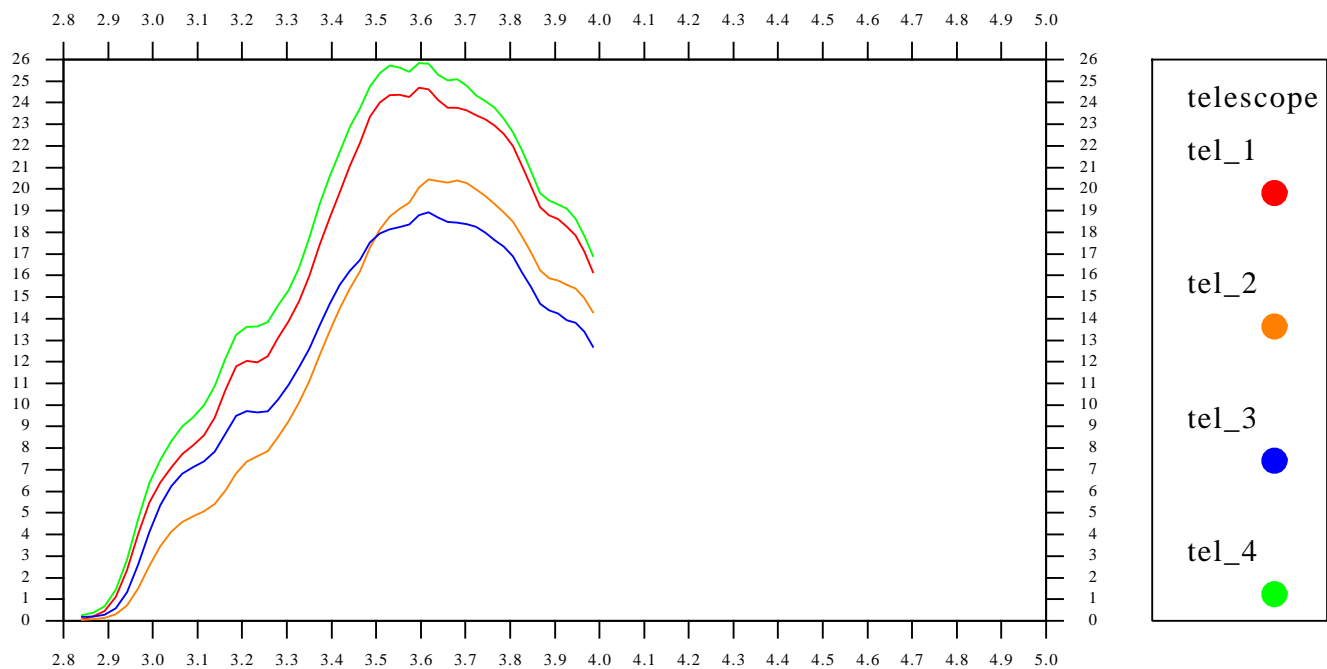
Closure phase (in degrees) vs wavelength (in microns) ==> T3PHI



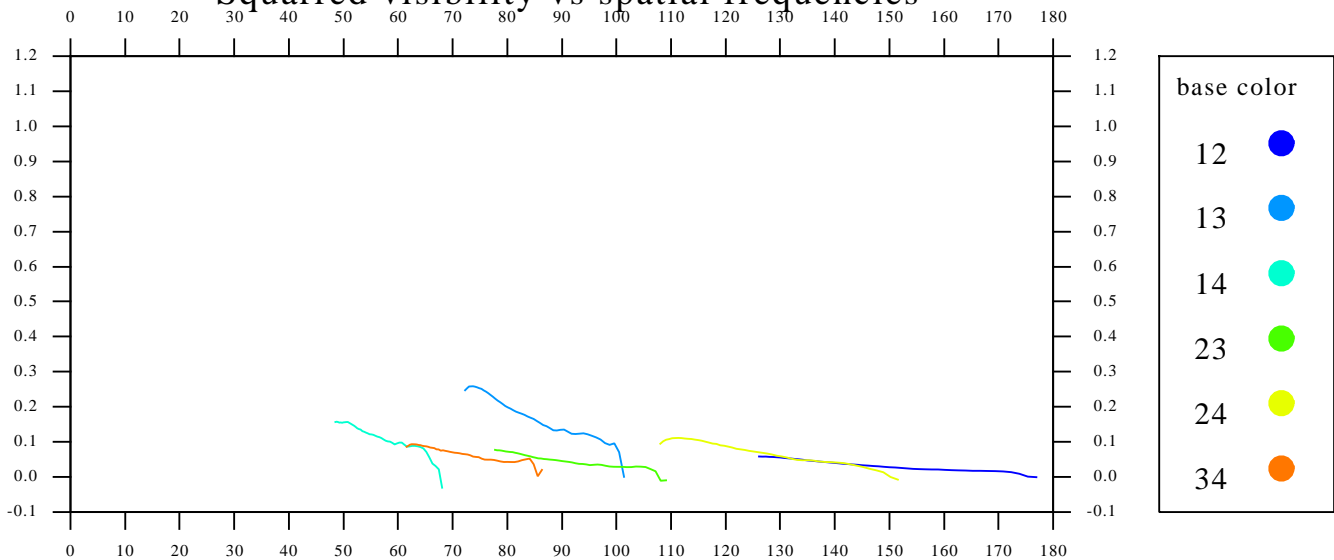
Differential closure phase (in degrees) vs wavelength (in microns) ==> VISPHI



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



Squarred visibility vs spatial frequencies



Phase closure vs maximal spatial frequencies

