VST Public Surveys and GTO Programs Review

OmegaCAM in the ESO Quality Control Paradigm

Mark Neeser

(Quality Control Group and ESO Survey Team)

QC Mission:

- ensure that all science data can be calibrated to a known and documented level

- ensure that the instrument is operating optimally

- pipeline process all VLT and VLTI data

- certify calibration products . . . store in archive

- process science data . . . store products in archive
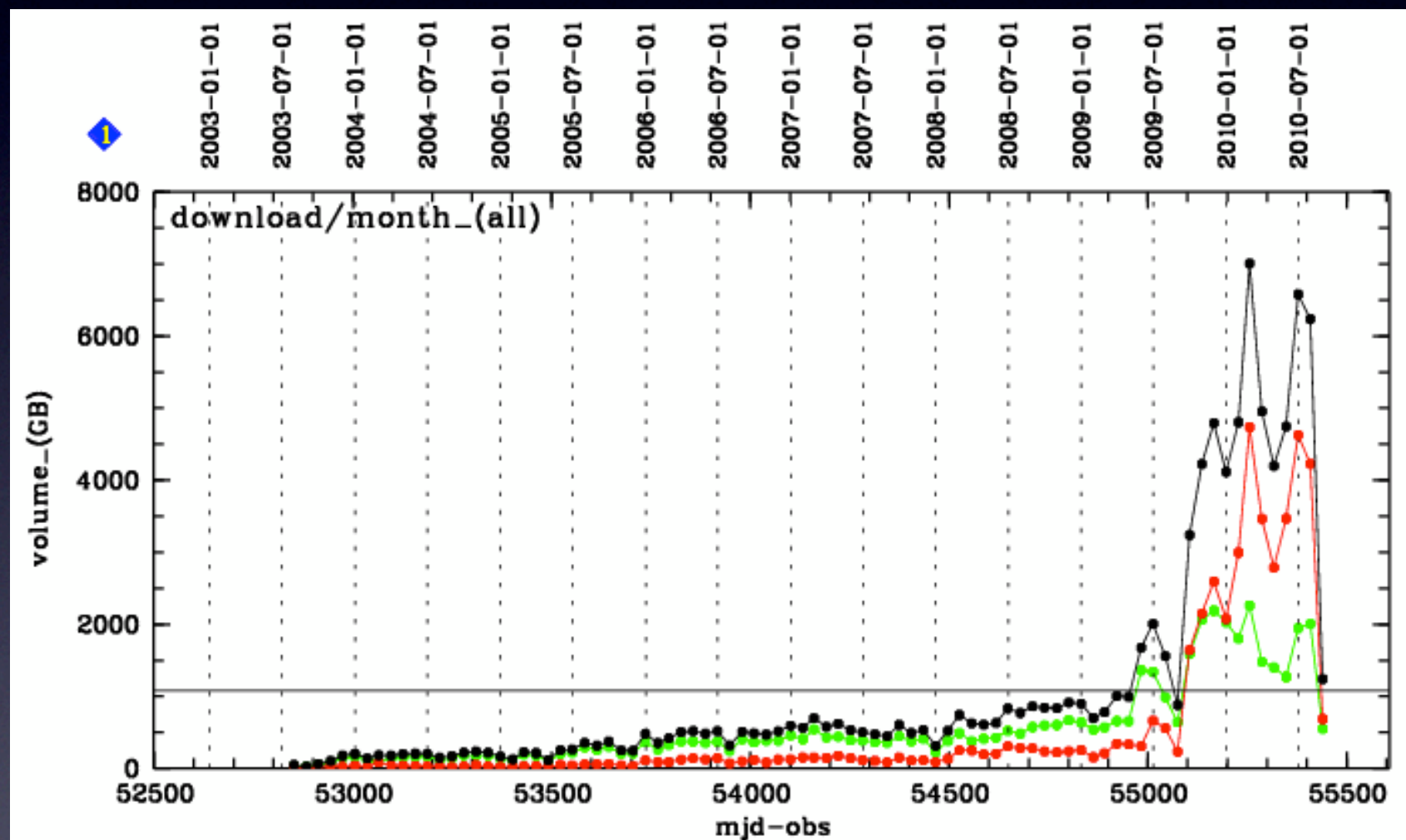
- create data packages for PI's.

- 8 astronomers supporting all Paranal instruments (11 VLT and 2 VLTI + 2 survey telescopes: VISTA/VIRCAM, VST/OmegaCAM)

works via a close interaction with:

- Paranal Science Operations (PSO)

- User Support Department (USD)

- Archive Department

Monthly Statistics

- 50,000 processing jobs (20k VLT; 30k VIRCAM)
==> a 150% increase in the last year.

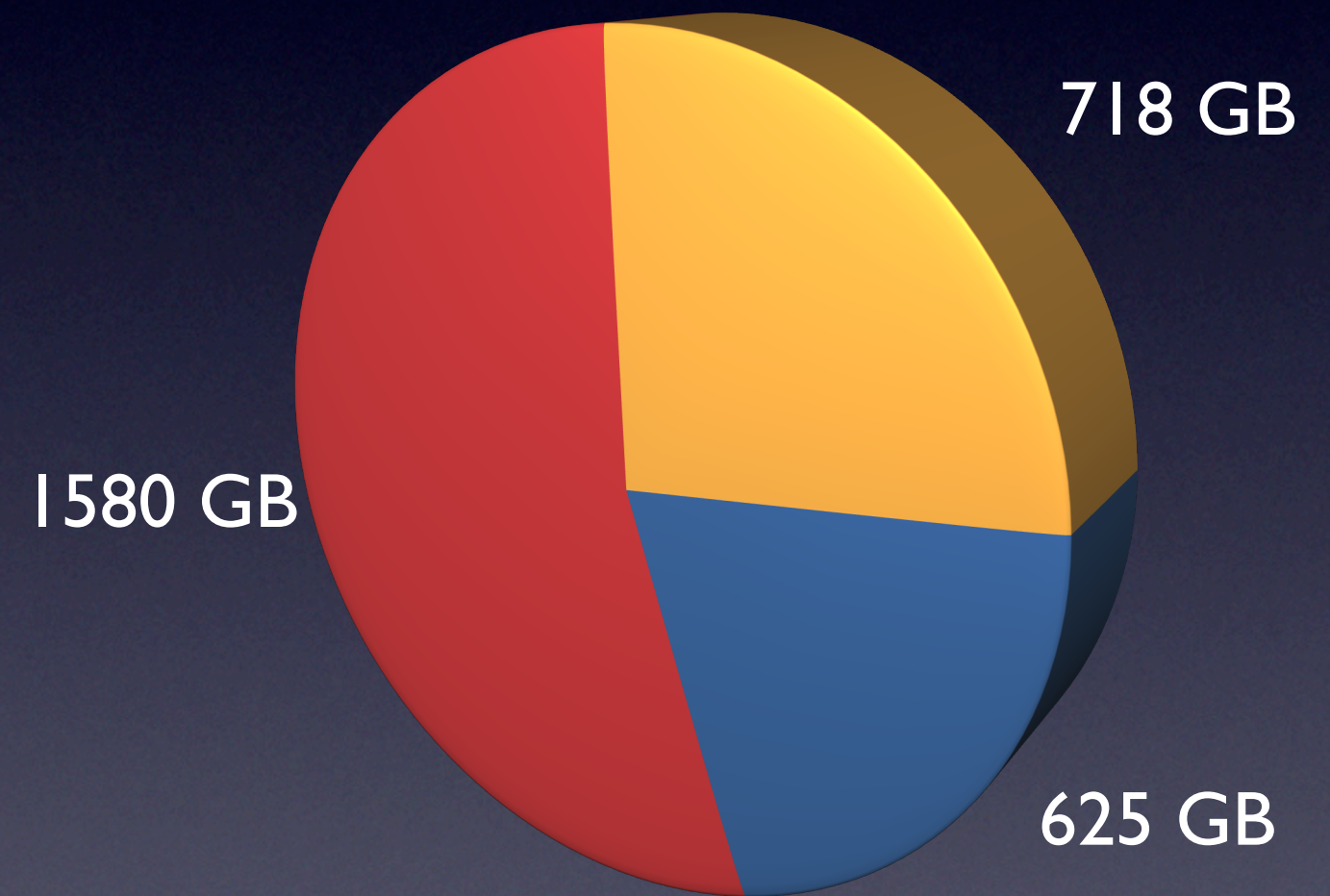- 6 TB of raw data processed (uncompressed)

uncompressed

Legend:
- All 11 VLT + 2 VLTI Instruments
- OmegaCAM (est.)
- VIRCAM

718 GB

1580 GB

625 GB

compressed (average since July 2010)

- ~ 1 TB of products created and archived
==> proof that we can handle these extreme data rates

Data transfer

- Paranal → Antofagasta (via microwave link: 10Mbit/sec)
    → Santiago → Garching (sustained rate: 50 Mbit/s)

- this is currently sufficient for all VLT and VLTI data
  as well as all VIRCAM calibration data

- significant improvement expected with the Gbit/s fibre link connecting
  Paranal with Antofagasta (EVALSO expected end of 2010/early 2011)

Quality Control Workflow

OmegaCAM will be integrated into the current QC paradigm

Incremental and fully automatic processing (24/7):
• headers are used to match calibration data and define dependencies (creation of Association Blocks)
• check for new calibration data once per hour and pipeline process them
• ancillary scripts (python) evaluate pipeline products for QC and create images and plots of crucial parameters (*QC reports*).
• scores are calculated (==> all QC parameters are compared to configured thresholds and graded as OK/NOK)
• all this information is accessible on the web
• pseudo real-time quality control and feedback that is evaluated by the QC scientist and the Paranal daytime/night time astronomers.

Quality Control Workflow continued

First line of defense *calChecker* (real-time feed back to Paranal to ensure that all science data has its required calibrations):

Quality Control Workflow continued

First line of defense *calChecker* (real-time feed back to Paranal to

http://www.eso.org/observing/dfo/quality/

Calibration report for all SINFONI science files, for date 2010-09-21

◀ ▶

This is the detailed calChecker report about the calibrations for all science OBs from the indicated date.
- All science data with PROG_ID starting with 60. or 060. are ignored.
- This report flags calibrations that are formally missing (marked in yellow or red). In exceptional cases, this formal result may be overridden by the analysis of the QC scientist (as indicated in the ANALYSIS notes). Then this analysis result, as displayed on the main calChecker interface, is the final word.
- OB comments are truncated after 40 characters. Point your mouse on the comment field to read the full comment, or check the nightlog ('NR').
- Files are sorted by DATA TYPE, then by SETUP.

bottom | NR

DATE	PROG_ID	MODE	OBS_ID	GRD	OB Comment	(first) RAW FILE	DATA TYPE	SETUP	CALIBRATIONS				
2010-09-21	086.A-0795(A)	SM	505543	A	03:35: Gp seeing ~0.7"	SINFO.2010-09-22T03:42:15.105.fits	OBSNOD	S1_J_0.25_600.0	FLAT: 0.27	WAVE: 0.28	DARK: 0.24	STD: 0.03	PSF: 0.02
2010-09-21	086.A-0795(A)	SM	505542	A		SINFO.2010-09-22T01:25:44.452.fits	OBSNOD	S1_J_0.25_600.0	FLAT: 0.36	WAVE: 0.37	DARK: 0.34	STD: -0.03	PSF: 0.02
2010-09-21	086.A-0795(A)	SM	505539	A	00:19: seeing < 0.8" on the guide p...	SINFO.2010-09-22T00:28:14.146.fits	OBSNOD	S1_J_0.25_600.0	FLAT: 0.41	WAVE: 0.42	DARK: 0.38	STD: 0.02	PSF: 0.01
2010-09-21	086.A-0795(A)	SM	505538	A		SINFO.2010-09-21T23:25:58.092.fits	OBSNOD	S1_J_0.25_600.0	FLAT: 0.46	WAVE: 0.46	DARK: 0.43	STD: 0.02	PSF: 0.02

▲ ▼ —

DATE	PROG_ID	MODE	OBS_ID	GRD	OB Comment	(first) RAW FILE	DATA TYPE	SETUP	CALIBRATIONS				
2010-09-21	086.A-0810(A)	SM	499512	C		SINFO.2010-09-22T08:26:51.139.fits	OBSNOD	S3_K_0.25_600.0	FLAT: 0.11	WAVE: 0.11	DARK: 0.05	STD: 0.02	
2010-09-21	086.A-0810(A)	SM	499509	B		SINFO.2010-09-22T07:20:36.006.fits	OBSNOD	S3_K_0.25_600.0	FLAT: 0.15	WAVE: 0.16	DARK: 0.10	STD: -0.02	
2010-09-21	086.A-0810(A)	SM	499512	C		SINFO.2010-09-22T06:19:59.371.fits	OBSNOD	S3_K_0.25_600.0	FLAT: 0.20	WAVE: 0.20	DARK: 0.14	STD: 0.02	
2010-09-21	086.A-0810(A)	SM	499513	A	04:53: Gp seeing < 0.6"	SINFO.2010-09-22T05:06:54.915.fits	OBSNOD	S3_K_0.25_600.0	FLAT: 0.25	WAVE: 0.25	DARK: 0.19	STD: 0.03	
2010-09-21	086.A-0810(A)	SM	499495	A	02:37: seeing < 0.8" on the guide p...	SINFO.2010-09-22T02:47:26.635.fits	OBSNOD	S3_K_0.25_600.0	FLAT: 0.34	WAVE: 0.35	DARK: 0.29	STD: 0.02	

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last update: 2010-09-26T16:11:51 (UT)   powered by QC [calChecker v1.8]

UVES&FLAMES/UVES
X-SHOOTER
UT3
  ISAAC
  VIMOS
  VISIR
UT4
  HAWK-I
  NACO
  SINFONI
VLTI
  AMBER
  MIDI
VISTA
  VIRCAM
QC links:
  QC home
  Cal Checker
  Health Checks
  Reference Frames

  QC1 database
  Paranal autrep database
  (ESO internal)

DataTransferMonitor | BandWidth | history ... | contact   The product availability depends on the data transfer to Garching and the archive ("ngas") access there (check the flags above).   All links are internal.

DATE*: [?]	2010-09-19	2010-09-20	2010-09-21 SM	2010-09-22 SM	2010-09-23 SM	2010-09-24 SM	2010-09-25	2010-09-25 daytime calibs ...	action required? [?]	Setup:
[color if science data acquired]			report | NR	report | NR	report | NR	report | NR	report | NR	finished 10:40 UT	[if not green: take these data types ...	... for these set
All products quality: [?]			products	products	products	products	products			

Data types (Mode): Setup:										
OBSNOD	S1_J_0.25_600.0			ok		ok			all ok	
	S3_K_0.1_300.0						ok		all ok	
	S3_K_0.25_30.0				ok				all ok	
	S3_K_0.25_60.0				ok				all ok	
	S3_K_0.25_600.0			ok	ok				all ok	
	S4_H+K_0.25_300.0				ok				all ok	
OBSJIT	S1_J_0.1_100.0						ok		all ok	
	S1_J_0.1_30.0						ok		all ok	
	S4_H+K_0.25_300.0				ok				all ok	

INFORMATION SPECIFIC TO SINFONI [?]	CONFIGURATION [?]	
The following keys are used to define a SINFONI SCIENCE setup:	Number of days scanned:	7
	Range of days for the calibration memory:	20
ins.setup.id [grism/filter] (= S1_J, S2_H, S3_K, or S4_H+K)		
ins.opti1.name [pixel scale] (= 0.025, 0.1, or 0.25)	Days in the calibration memory:	2010-08-29
det.dit (= ANY)		
	*Date on this monitor changes at:	21:00 UT
The following calibrations have a special status with SINFONI:		

PSF: The PSF standards are not regular calibrations, but can be explicitly requested by the PI.
If, however, they are not required by the program, then any nok can be ignored.

powered by QC [calChecker v

Quality Control review and certification:

• done off-line (Mon. - Fri.) on the results of the automated data matching and data processing
• all red scores are reviewed, as well as a fraction of the green scores
• all monitored QC parameters are put in a data base, and may also be plotted as a function of time (published as *Health Check* plots)
• any issues (mostly red scores) are analyzed and if necessary communicated to PSO
• calibrations are then rejected or certified
• all results are published on the web
• certified calibration products are ingested into the archive

Quality Control Workflow continued

Quality Control review and certification:

<u>SINFONI dfoMonitor for 2010-09-22</u>

AB product monitor (instrument: SINFONI, date: 2010-09-22)

This is the AB product monitor, with an overview of the processing status of all ABs and the quality of the products.

last update: 2010-09-27 10:05:03 (UT); machine: **dfo29**; browser_refresh: **on** (every 10 sec); tool_refresh: **off**

number of ABs (all | success | failed): **34 | 34 | 0**   scored: 33; result: 3/158 CAL: ▲ SCI: ...

CAL report refs   HELP

BQS	AB NAME	COMPL.	AB LOG	RECIPE	RAW_TYPE	SETUP (sort)	AB STATUS	P LOG	T_EXEC [min]	QC REPORT	SCORE		CERTIF
	SINFO.2010-09-22T21:17:27.746_tpl.ab	compl.	OK	sinfo_rec_jitter	HC_AO	S3_K_0.025	OK	P_LOG!	1.2+0.3	DONE	✔ HC	(0/3)	OK
	SINFO.2010-09-23T00:13:03.790_tpl.ab	compl.	OK	sinfo_rec_jitter	STD	S3_K_0.25	OK	P_LOG!	2.4+0.5	DONE	✔ HC	(0/5)	AUTO
	SINFO.2010-09-23T00:30:49.171_tpl.ab	compl.	OK	sinfo_rec_jitter	STD	S3_K_0.25	OK	P_LOG!	2.1+0.5	DONE	✔ HC	(0/5)	OK
	SINFO.2010-09-23T00:44:42.195_tpl.ab	compl.	OK	sinfo_rec_jitter	STD	S3_K_0.25	OK	P_LOG!	2.2+0.5	DONE	✔ HC	(0/5)	AUTO
	SINFO.2010-09-23T01:08:36.963_tpl.ab	compl.	OK	sinfo_rec_jitter	STD	S3_K_0.25	OK	P_LOG!	2.1+0.5	DONE	✔ HC	(0/5)	AUTO
	SINFO.2010-09-23T01:31:59.907_tpl.ab	compl.	OK	sinfo_rec_jitter	STD	S3_K_0.25	OK	P_LOG!	2.6+0.5	DONE	✔ HC	(0/5)	AUTO
	SINFO.2010-09-23T01:49:36.433_tpl.ab	compl.	OK	sinfo_rec_jitter	STD	S3_K_0.25	OK	P_LOG!	2.1+0.5	DONE	○ HC	(1/5)	OK Despite red score the flux level of this STD is adequate.
	SINFO.2010-09-23T01:51:58.117_tpl.ab	compl.	OK	sinfo_rec_jitter	STD	S3_K_0.25	OK	P_LOG!	2.3+0.5	DONE	✔ HC	(0/5)	AUTO
	SINFO.2010-09-23T02:10:08.695_tpl.ab	compl.	OK	sinfo_rec_jitter	STD	S3_K_0.25	OK	P_LOG!	2.4+0.5	DONE	✔ HC	(0/5)	AUTO
	SINFO.2010-09-23T02:34:24.936_tpl.ab	compl.	OK	sinfo_rec_jitter	STD	S3_K_0.25	OK	P_LOG!	2.4+0.5	DONE	✔ HC	(0/5)	OK
	SINFO.2010-09-23T02:51:05.383_tpl.ab	compl.	OK	sinfo_rec_jitter	STD	S3_K_0.25	OK	P_LOG!	2.4+0.5	DONE	○ HC	(1/5)	OK Poor strehl ratio due to poor seeing conditions and open loop AO.
	SINFO.2010-09-23T03:12:02.293_tpl.ab	compl.	OK	sinfo_rec_jitter	STD	S3_K_0.25	OK	P_LOG!	2.2+0.5	DONE	○ HC	(1/5)	OK Poor strehl ratio due to poor seeing conditions and open loop AO.
	SINFO.2010-09-23T03:30:22.708_tpl.ab	compl.	OK	sinfo_rec_jitter	STD	S3_K_0.25	OK	P_LOG!	2.5+0.5	DONE	✔ HC	(0/5)	OK
	SINFO.2010-09-23T04:31:37.432_tpl.ab	compl.	OK	sinfo_rec_jitter	STD	S4_H+K_0.25	OK	P_LOG!	2.3+0.5	DONE	✔ HC	(0/5)	AUTO
	SINFO.2010-09-23T05:20:33.812_tpl.ab	compl.	OK	sinfo_rec_jitter	STD	S4_H+K_0.25	OK	P_LOG!	2.3+0.4	DONE	✔ HC	(0/5)	AUTO
	SINFO.2010-09-23T06:22:27.144_tpl.ab	compl.	OK	sinfo_rec_jitter	STD	S4_H+K_0.25	OK	P_LOG!	2.3+0.5	DONE	✔ HC	(0/5)	AUTO
	SINFO.2010-09-23T07:29:59.325_tpl.ab	compl.	OK	sinfo_rec_jitter	STD	S4_H+K_0.25	OK	P_LOG!	2.1+0.5	DONE	✔ HC	(0/5)	AUTO
	SINFO.2010-09-23T08:35:19.323_tpl.ab	compl.	OK	sinfo_rec_jitter	STD	S4_H+K_0.25	OK	P_LOG!	2.2+0.4	DONE	✔ HC	(0/5)	AUTO
	SINFO.2010-09-23T09:37:58.119_tpl.ab	compl.	OK	sinfo_rec_jitter	STD	S4_H+K_0.25	OK	P_LOG!	2.0+0.4	DONE	✔ HC	(0/5)	AUTO
	SINFO.2010-09-23T10:27:56.007_tpl.ab	compl.	OK	sinfo_rec_mdark	DARK	300.0000000	OK	P_LOG	0.3+0.7	DONE	✔ HC	(0/6)	AUTO
■	SINFO.2010-09-23T10:44:07.230_tpl.ab	compl.	OK	sinfo_rec_mdark	DARK	0.8500000	OK	P_LOG	0.3+0.5	DONE		(0/0)	OK
	SINFO.2010-09-23T10:45:11.212_tpl.ab	compl.	OK	sinfo_rec_mdark	DARK	600.0000000	OK	P_LOG	0.3+0.5	DONE	✔ HC	(0/6)	OK
■	SINFO.2010-09-23T11:16:22.399_tpl.ab	compl.	OK	sinfo_rec_mdark	DARK	1.0000000	OK	P_LOG	0.3+0.5	DONE		(0/0)	OK
	SINFO.2010-09-23T11:17:32.881_tpl.ab	compl.	OK	sinfo_rec_mdark	DARK	30.0000000	OK	P_LOG	0.3+0.5	DONE	✔	(0/6)	AUTO
■	SINFO.2010-09-23T11:20:06.972_tpl.ab	compl.	OK	sinfo_rec_mdark	DARK	2.0000000	OK	P_LOG	0.3+0.5	DONE	✔	(0/6)	AUTO
	SINFO.2010-09-23T11:21:11.444_tpl.ab	compl.	OK	sinfo_rec_mdark	DARK	60.0000000	OK	P_LOG	0.3+0.5	DONE	✔ HC	(0/6)	OK
■	SINFO.2010-09-23T11:25:22.210_tpl.ab	compl.	OK	sinfo_rec_mdark	DARK	4.0000000	OK	P_LOG	0.3+0.5	DONE	✔	(0/6)	AUTO
■	SINFO.2010-09-23T11:26:39.538_tpl.ab	compl.	OK	sinfo_rec_mdark	DARK	5.0000000	OK	P_LOG	0.2+0.4	DONE			OK
■	SINFO.2010-09-23T11:28:01.047_tpl.ab	compl.	OK	sinfo_rec_mdark	DARK	8.0000000	OK	P_LOG	0.3+0.5	DONE		(0/0)	OK
■	SINFO.2010-09-23T11:29:23.649_tpl.ab	compl.	OK	sinfo_rec_mdark	DARK	10.0000000	OK	P_LOG	0.3+0.5	DONE	✔ HC	(0/6)	OK
■	SINFO.2010-09-23T11:31:53.991_tpl.ab	compl.	OK	sinfo_rec_mflat	FLAT	S4_H+K_0.25	OK	P_LOG!	0.8+0.4	DONE	✔ HC	(0/7)	OK
■	SINFO.2010-09-23T11:40:16.107_tpl.ab	compl.	OK	sinfo_rec_wavecal	WAVE	S4_H+K_0.25	OK	P_LOG!	1.2+0.9	DONE	✔ HC	(0/3)	OK
■	SINFO.2010-09-23T11:44:00.631_tpl.ab	compl.	OK	sinfo_rec_mflat	FLAT	S3_K_0.25	OK	P_LOG!	1.1+0.4	DONE	✔ HC	(0/7)	AUTO
■	SINFO.2010-09-23T11:52:26.390_tpl.ab	compl.	OK	sinfo_rec_wavecal	WAVE	S3_K_0.25	OK	P_LOG!	1.5+1.2	DONE	✔ HC	(0/6)	AUTO

VST Review Sept. 28, 2010

Parameter score report

SINFO.2010-09-23T02:51:05.383_tpl.ab
RAW_TYPE: STD
setup: S3_K_0.25
time range: 2010-03-31 ... 2010-09-27

AB | ALOG | PLOG | QC1_plotter | factsheet

[back to AB monitor]

Point your mouse on QC1 parameter name for short documentation.

qc_net_flux HC	qc_strehl_med HC	qc_persist_danger HC	qc_Npersist HC	qc_delta_fwhm
■	■	■	■	■

HC plot(s): HC_STD_median_flux | HC_STD_strehl | HC_STD_persistence | HC_STD_IQ_J | HC_STD_IQ_H | HC_STD_IQ_K | HC_STD_IQ_H+K

QC report(s):

Score data: details ...

○   **score result:** 1/5 **best:** 0/5

powered by QC [scoreQC v1.5.1]

HELP

Information on demand

HELP

	QC REPORT	SCORE	CERTIF
	DONE	✔ HC (0/3)	OK
	DONE	✔ HC (0/5)	AUTO
	DONE	✔ HC (0/5)	OK
	DONE	✔ HC (0/5)	AUTO
	DONE	✔ HC (0/5)	AUTO
	DONE	✔ HC (0/5)	AUTO
	DONE	○ HC (1/5)	OK Despite red score the flux level of this STD is adequate.
	DONE	✔ HC (0/5)	AUTO
	DONE	✔ HC (0/5)	AUTO
	DONE	✔ HC (0/5)	OK
	DONE	○ HC (1/5)	OK Poor strehl ratio due to poor seeing conditions and open loop AO.
	DONE	○ HC (1/5)	OK Poor strehl ratio due to poor seeing conditions and open loop AO.
	DONE	✔ HC (0/5)	OK
	DONE	✔ HC (0/5)	AUTO

	SINFO.2010-09-23T05:20:33.812_tpl.ab	compl.	OK	sinfo_rec_jitter	STD	S4_H+K_0.25	OK	P_LOG! 2.3+0.4	DONE	✔ HC (0/5) AUTO
	SINFO.2010-09-23T06:22:27.144_tpl.ab	compl.	OK	sinfo_rec_jitter	STD	S4_H+K_0.25	OK	P_LOG! 2.3+0.5	DONE	✔ HC (0/5) AUTO
	SINFO.2010-09-23T07:29:59.325_tpl.ab	compl.	OK	sinfo_rec_jitter	STD	S4_H+K_0.25	OK	P_LOG! 2.1+0.5	DONE	✔ HC (0/5) AUTO
	SINFO.2010-09-23T08:35:19.323_tpl.ab	compl.	OK	sinfo_rec_jitter	STD	S4_H+K_0.25	OK	P_LOG! 2.2+0.4	DONE	✔ HC (0/5) AUTO
	SINFO.2010-09-23T09:37:58.119_tpl.ab	compl.	OK	sinfo_rec_jitter	STD	S4_H+K_0.25	OK	P_LOG! 2.0+0.4	DONE	✔ HC (0/5) AUTO
	SINFO.2010-09-23T10:27:56.007_tpl.ab	compl.	OK	sinfo_rec_mdark	DARK	300.0000000	OK	P_LOG 0.3+0.7	DONE	✔ HC (0/6) AUTO
■	SINFO.2010-09-23T10:44:07.230_tpl.ab	compl.	OK	sinfo_rec_mdark	DARK	0.8500000	OK	P_LOG 0.3+0.5	DONE	(0/0) OK
	SINFO.2010-09-23T10:45:11.212_tpl.ab	compl.	OK	sinfo_rec_mdark	DARK	600.0000000	OK	P_LOG 0.3+0.5	DONE	✔ HC (0/6) OK
■	SINFO.2010-09-23T11:16:22.399_tpl.ab	compl.	OK	sinfo_rec_mdark	DARK	1.0000000	OK	P_LOG 0.3+0.5	DONE	(0/0) OK
	SINFO.2010-09-23T11:17:32.881_tpl.ab	compl.	OK	sinfo_rec_mdark	DARK	30.0000000	OK	P_LOG 0.3+0.5	DONE	✔ (0/6) AUTO
■	SINFO.2010-09-23T11:20:06.972_tpl.ab	compl.	OK	sinfo_rec_mdark	DARK	2.0000000	OK	P_LOG 0.3+0.5	DONE	✔ (0/6) AUTO
	SINFO.2010-09-23T11:21:11.444_tpl.ab	compl.	OK	sinfo_rec_mdark	DARK	60.0000000	OK	P_LOG 0.3+0.5	DONE	✔ HC (0/6) OK
■	SINFO.2010-09-23T11:25:22.210_tpl.ab	compl.	OK	sinfo_rec_mdark	DARK	4.0000000	OK	P_LOG 0.3+0.5	DONE	✔ (0/6) AUTO
■	SINFO.2010-09-23T11:26:39.538_tpl.ab	compl.	OK	sinfo_rec_mdark	DARK	5.0000000	OK	P_LOG 0.2+0.4	DONE	OK
■	SINFO.2010-09-23T11:28:01.047_tpl.ab	compl.	OK	sinfo_rec_mdark	DARK	8.0000000	OK	P_LOG 0.3+0.5	DONE	(0/0) OK
■	SINFO.2010-09-23T11:29:23.649_tpl.ab	compl.	OK	sinfo_rec_mdark	DARK	10.0000000	OK	P_LOG 0.3+0.5	DONE	✔ HC (0/6) OK
■	SINFO.2010-09-23T11:31:53.991_tpl.ab	compl.	OK	sinfo_rec_mflat	FLAT	S4_H+K_0.25	OK	P_LOG! 0.8+0.4	DONE	✔ HC (0/7) OK
■	SINFO.2010-09-23T11:40:16.107_tpl.ab	compl.	OK	sinfo_rec_wavecal	WAVE	S4_H+K_0.25	OK	P_LOG! 1.2+0.9	DONE	✔ HC (0/3) OK
■	SINFO.2010-09-23T11:44:00.631_tpl.ab	compl.	OK	sinfo_rec_mflat	FLAT	S3_K_0.25	OK	P_LOG! 1.1+0.4	DONE	✔ HC (0/7) AUTO
■	SINFO.2010-09-23T11:52:26.390_tpl.ab	compl.	OK	sinfo_rec_wavecal	WAVE	S3_K_0.25	OK	P_LOG! 1.5+1.2	DONE	✔ HC (0/6) AUTO

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last update: 2010-09-27 09:49:21 (LT)   created by getStatusAB v1.13.1, a dfos tool

Parameter score report

SINFO.2010-09-23T02:51:05.383_tpl.ab

RAW_TYPE: STD
setup: S3_K_0.25
time range: 2010-03-31 ... 2010-09-27

AB | ALOG | PLOG | QC1_plotter | factsheet

[back to AB monitor]

Point your mouse on QC1 parameter name for short documentation.

qc_net_flux HC	qc_strehl_med HC	qc_persist_danger HC	qc_Npersist HC	qc_delta_fwhm
■	■	■	■	■

HC plot(s): HC_STD_median_flux | HC_STD_strehl | HC_STD_persistence | HC_STD_IQ_J | HC_STD_IQ_H
| HC_STD_IQ_K | HC_STD_IQ_H+K

QC report(s):

Score data: details ...

○   **score result: 1/5 best: 0/5**

powered by QC [scoreQC v1.5.1]

HELP

Information on demand

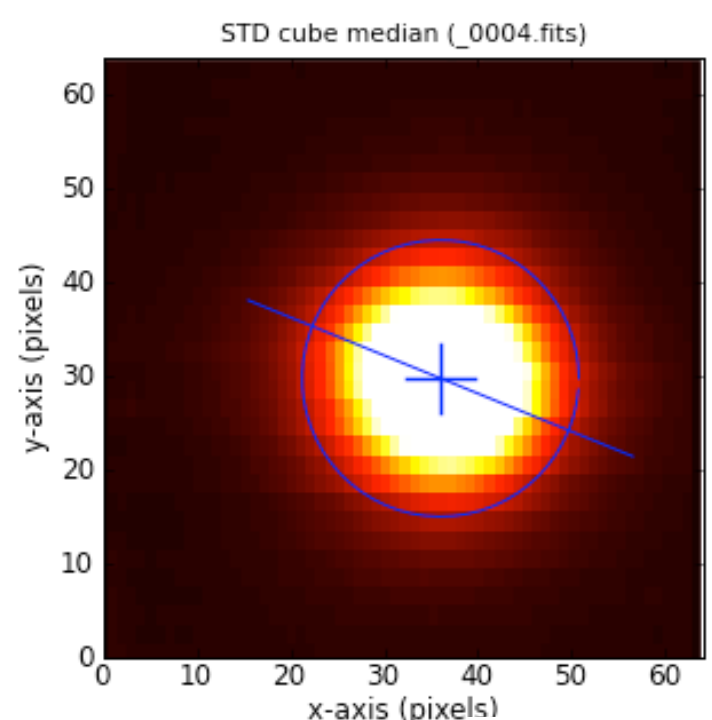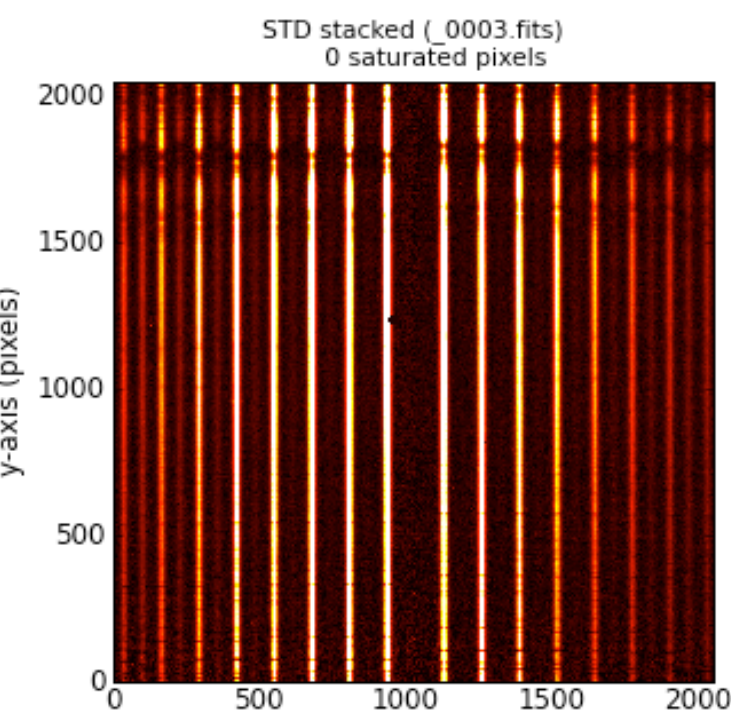|	SCORE	CERTIF
DONE	✓ HC (0/3)	OK
DONE	✓ HC (0/5)	AUTO
DONE	✓ HC (0/5)	OK
DONE	✓ HC (0/5)	AUTO
DONE	✓ HC (0/5)	AUTO
DONE	✓ HC (0/5)	AUTO
DONE	○ HC (1/5)	OK Despite red score the flux level of this STD is adequate.
DONE	✓ HC (0/5)	AUTO
DONE	✓ HC (0/5)	AUTO
DONE	✓ HC (0/5)	OK
DONE	○ HC (1/5)	OK Poor strehl ratio due to poor seeing conditions and open loop AO.
DONE	○ HC (1/5)	OK Poor strehl ratio due to poor seeing conditions and open loop AO.
DONE	✓ HC (0/5)	OK
DONE	✓ HC (0/5)	AUTO

	SINFO.2010-09-23T05:20:33.812_tpl.ab	compl.	OK	sinfo_rec_jitter	STD	S4_H+K_0.25	OK	P_LOG! 2.3+0.4	DONE	✓ HC (0/5)	AUTO
	SINFO.2010-09-23T06:22:27.144_tpl.ab	compl.	OK	sinfo_rec_jitter	STD	S4_H+K_0.25	OK	P_LOG! 2.3+0.5	DONE	✓ HC (0/5)	AUTO
	SINFO.2010-09-23T07:29:59.325_tpl.ab	compl.	OK	sinfo_rec_jitter	STD	S4_H+K_0.25	OK	P_LOG! 2.1+0.5	DONE	✓ HC (0/5)	AUTO
	SINFO.2010-09-23T08:35:19.323_tpl.ab	compl.	OK	sinfo_rec_jitter	STD	S4_H+K_0.25	OK	P_LOG! 2.2+0.4	DONE	✓ HC (0/5)	AUTO
	SINFO.2010-09-23T09:37:58.119_tpl.ab	compl.	OK	sinfo_rec_jitter	STD	S4_H+K_0.25	OK	P_LOG! 2.0+0.4	DONE	✓ HC (0/5)	AUTO
	SINFO.2010-09-23T10:27:56.007_tpl.ab	compl.	OK	sinfo_rec_mdark	DARK	300.0000000	OK	P_LOG 0.3+0.7	DONE	✓ HC (0/6)	AUTO
■	SINFO.2010-09-23T10:44:07.230_tpl.ab	compl.	OK	sinfo_rec_mdark	DARK	0.8500000	OK	P_LOG 0.3+0.5	DONE	(0/0)	OK
	SINFO.2010-09-23T10:45:11.212_tpl.ab	compl.	OK	sinfo_rec_mdark	DARK	600.0000000	OK	P_LOG 0.3+0.5	DONE	✓ HC (0/6)	OK
■	SINFO.2010-09-23T11:16:22.399_tpl.ab	compl.	OK	sinfo_rec_mdark	DARK	1.0000000	OK	P_LOG 0.3+0.5	DONE	(0/0)	OK
	SINFO.2010-09-23T11:17:32.881_tpl.ab	compl.	OK	sinfo_rec_mdark	DARK	30.0000000	OK	P_LOG 0.3+0.5	DONE	✓	(0/6)	AUTO
■	SINFO.2010-09-23T11:20:06.972_tpl.ab	compl.	OK	sinfo_rec_mdark	DARK	2.0000000	OK	P_LOG 0.3+0.5	DONE	✓	(0/6)	AUTO
	SINFO.2010-09-23T11:21:11.444_tpl.ab	compl.	OK	sinfo_rec_mdark	DARK	60.0000000	OK	P_LOG 0.3+0.5	DONE	✓ HC (0/6)	OK
■	SINFO.2010-09-23T11:25:22.210_tpl.ab	compl.	OK	sinfo_rec_mdark	DARK	4.0000000	OK	P_LOG 0.3+0.5	DONE	✓	(0/6)	AUTO
■	SINFO.2010-09-23T11:26:39.538_tpl.ab	compl.	OK	sinfo_rec_mdark	DARK	5.0000000	OK	P_LOG 0.2+0.4	DONE			OK
■	SINFO.2010-09-23T11:28:01.047_tpl.ab	compl.	OK	sinfo_rec_mdark	DARK	8.0000000	OK	P_LOG 0.3+0.5	DONE		(0/0)	OK
■	SINFO.2010-09-23T11:29:23.649_tpl.ab	compl.	OK	sinfo_rec_mdark	DARK	10.0000000	OK	P_LOG 0.3+0.5	DONE	✓ HC (0/6)	OK
■	SINFO.2010-09-23T11:31:53.991_tpl.ab	compl.	OK	sinfo_rec_mflat	FLAT	S4_H+K_0.25	OK	P_LOG! 0.8+0.4	DONE	✓ HC (0/7)	OK
■	SINFO.2010-09-23T11:40:16.107_tpl.ab	compl.	OK	sinfo_rec_wavecal	WAVE	S4_H+K_0.25	OK	P_LOG! 1.2+0.9	DONE	✓ HC (0/3)	OK
■	SINFO.2010-09-23T11:44:00.631_tpl.ab	compl.	OK	sinfo_rec_mflat	FLAT	S3_K_0.25	OK	P_LOG! 1.1+0.4	DONE	✓ HC (0/7)	AUTO
■	SINFO.2010-09-23T11:52:26.390_tpl.ab	compl.	OK	sinfo_rec_wavecal	WAVE	S3_K_0.25	OK	P_LOG! 1.5+1.2	DONE	✓ HC (0/6)	AUTO

top

last update: 2010-09-27 09:49:21 (LT)   created by getStatusAB v1.13.1, a dfos tool

HELP

news (549) ▾   scinews ▾   fun ▾   flying ▾   banking ▾   shopping ▾   »

STD stacked (_0003.fits)
0 saturated pixels

STD cube median (_0004.fits)

Obs ID : 200150687
Target Name : Hip091744
DIT/NDIT : 10.0 sec / 5

Brightest source detected :

$(x_0, y_0) = 35.99, 29.77$
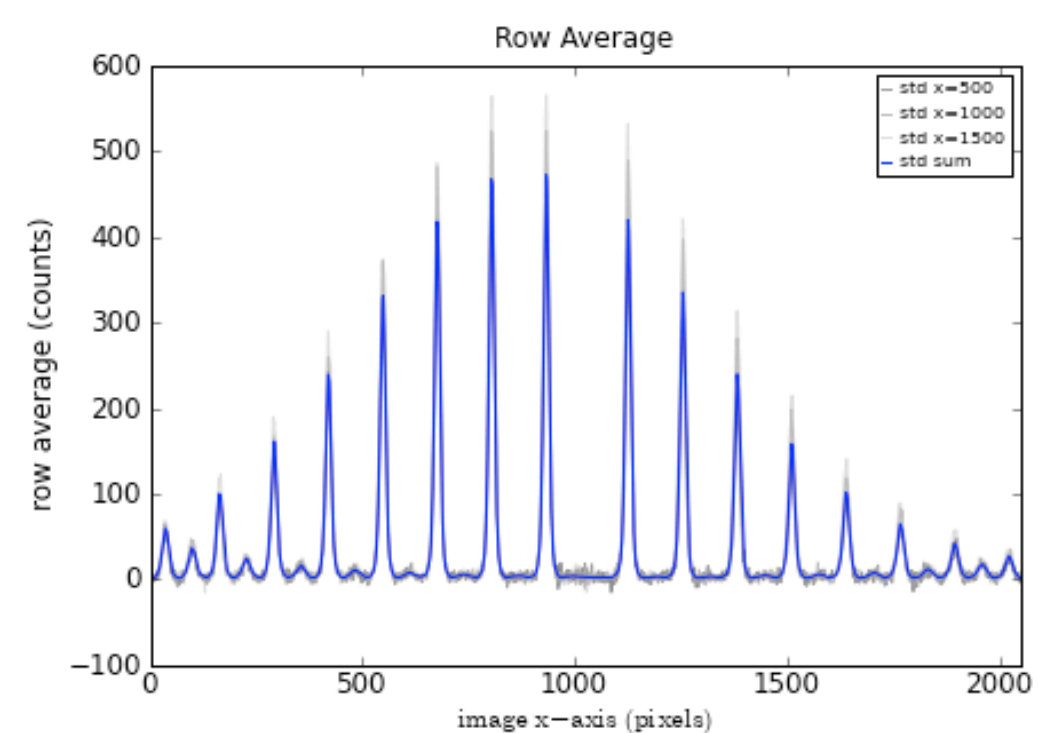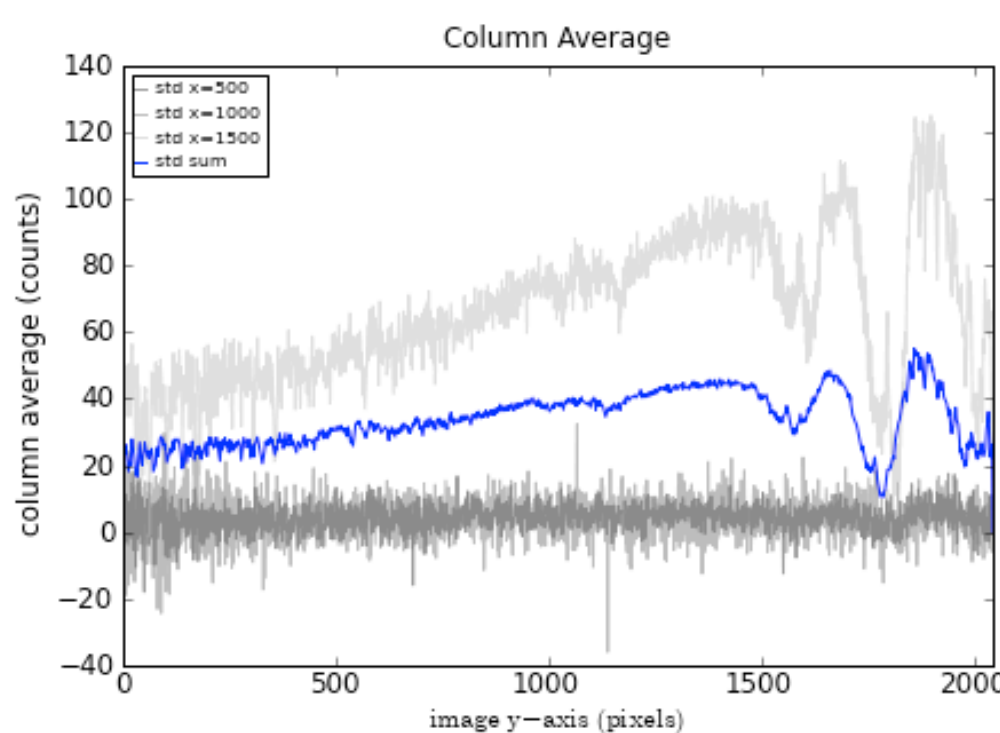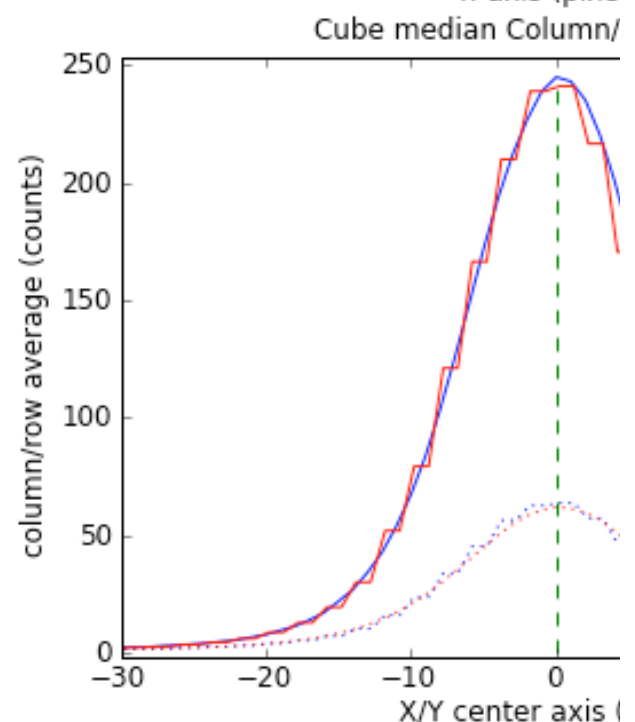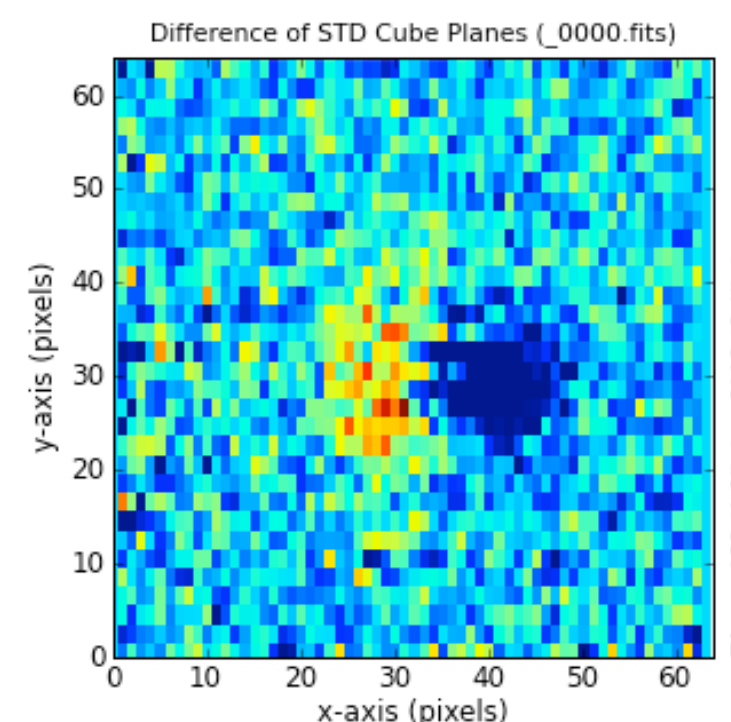flux = 63606.7 ADU
isophotal area = 1689 pixels^2
net flux = 37.7 ADU/pixel

IMAGE FWHM = 2.20 arcsec
DIMM FWHM = 1.32 arcsec
AO loop status = OPEN

PA = −22.1 deg. (x−axis CCW)
elongation = 1.05
ellipticity = 0.05

...formation on demand

HELP

	SCORE	CERTIF
HC	(0/3)	OK
HC	(0/5)	AUTO
HC	(0/5)	OK
HC	(0/5)	AUTO
HC	(0/5)	AUTO

Difference of STD Cube Planes (_0000.fits)

Plane · 100 (1.95μ) − 2118 (2.45μ)

Cube median Column/

column/row average (counts)

X/Y center axis

Column Average

column average (counts)

std x=500
std x=1000
std x=1500
std sum

image y−axis (pixels)

Row Average

row average (counts)

std x=500
std x=1000
std x=1500
std sum

image x−axis (pixels)
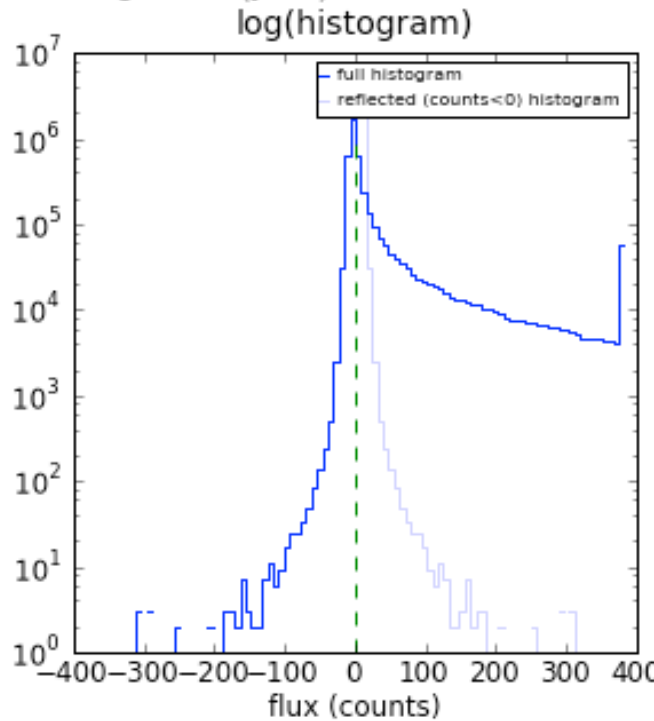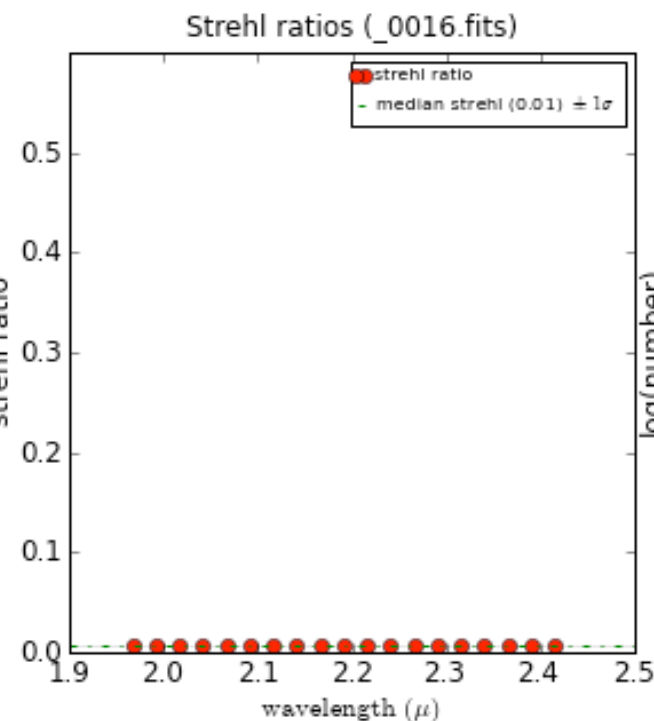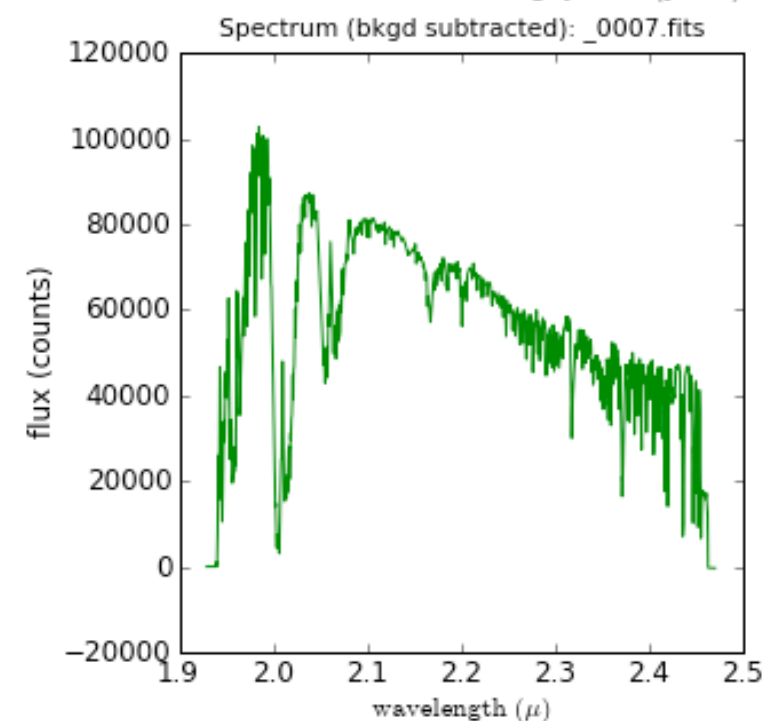
SINFO.2010-09-23T10:44:07.230_tpl.ab	compl.	OK	sinfo_rec_mdark	DARK	0.8500000
SINFO.2010-09-23T10:45:11.212_tpl.ab	compl.	OK	sinfo_rec_mdark	DARK	600.00000
SINFO.2010-09-23T11:16:22.399_tpl.ab	compl.	OK	sinfo_rec_mdark	DARK	1.0000000
SINFO.2010-09-23T11:17:32.881_tpl.ab	compl.	OK	sinfo_rec_mdark	DARK	30.000000
SINFO.2010-09-23T11:20:06.972_tpl.ab	compl.	OK	sinfo_rec_mdark	DARK	2.0000000
SINFO.2010-09-23T11:21:11.444_tpl.ab	compl.	OK	sinfo_rec_mdark	DARK	60.000000
SINFO.2010-09-23T11:25:22.210_tpl.ab	compl.	OK	sinfo_rec_mdark	DARK	4.0000000
SINFO.2010-09-23T11:26:39.538_tpl.ab	compl.	OK	sinfo_rec_mdark	DARK	5.0000000
SINFO.2010-09-23T11:28:01.047_tpl.ab	compl.	OK	sinfo_rec_mdark	DARK	8.0000000
SINFO.2010-09-23T11:29:23.649_tpl.ab	compl.	OK	sinfo_rec_mdark	DARK	10.000000
SINFO.2010-09-23T11:31:53.991_tpl.ab	compl.	OK	sinfo_rec_mflat	FLAT	S4_H+K_
SINFO.2010-09-23T11:40:16.107_tpl.ab	compl.	OK	sinfo_rec_wavecal	WAVE	S4_H+K_
SINFO.2010-09-23T11:44:00.631_tpl.ab	compl.	OK	sinfo_rec_mflat	FLAT	S3_K_0.2
SINFO.2010-09-23T11:52:26.390_tpl.ab	compl.	OK	sinfo_rec_wavecal	WAVE	S3_K_0.2

top

Spectrum (bkgd subtracted): _0007.fits

flux (counts)

wavelength (μ)

Strehl ratios (_0016.fits)

strehl ratio

strehl ratio
median strehl (0.01) ± 1σ

wavelength (μ)

log(histogram)

log(number)

full histogram
reflected (counts<0) histogram

flux (counts)

Quality Control Workflow continued

Where do these scores fit in with the history of the instrument?

Quality Control Workflow continued

Where do these scores fit in with the history of the instrument?

Health Check and History Monitor

Quality Control Workflow continued

Where do these scores fit in with the history of the instrument?

Quality Control Work

Where do these scores fit in w

Quality Control Workflow continued

For the survey instruments there is the added complexity of multiplicity (the operational example of VIRCAM)

added complexity of multiplicity

Health Check monitor

HOME | INDEX | SEARCH | HELP | NEWS

VIRCAM trending system: HEALTH CHECK plot

Last update: 2010-09-27T01:40:42 (UT) (0d 07h:40m ago) | now: 2010-09-27T09:21:40 (UT)   HELP | USERS-GUIDE | MORE

same group: RMS_NB118 RMS_Z RMS_Y RMS_J RMS_H RMS_K   RATIO_NB118 RATIO_Z RATIO_Y RATIO_J RATIO_H RATIO_K

scores&comments... | history: none | plot tutorial ... | contact   [?]   *Date on this monitor changes at 21:00 UT

VIRCAM: TWILIGHTFLAT.RMS H (last 60 days)
OPSLOG DATA RANGE: 2010-07-30 ... 2010-09-25*

TWILRMS_AVG

TWILRMS_ALL

TWILRMS_RMS

SCORING_OUTLIERS

created by trendPlotter v2.4 on 2010-09-27T01:40:21

Agora | CAL | HC | refs | QC

HealthCheck Monitor
HOME | UsersGuide

VIRCAM:
score overview

OPSLOG scoring
OL detector : darks
OL twilight flat : rms

detector
detector : darks
detector : gain
detector : linearity
detector : reset

flats
twilight flat : rms
twilight flat : range
twilight flat : UsedRaw
twilight flat : other
dome flat : rms

flux
zeropoints

image quality
IQ
ellipticity
IQ vs. AutoGuider

QC VIRCAM

Other HC:
UT1
CRIRES
FORS2
UT2
FLAMES/GIRAFFE
UVES&FLAMES/UVES
X-SHOOTER
UT3
ISAAC
VIMOS
VISIR
UT4
HAWK-I
NACO
SINFONI
VLTI
AMBER
MIDI
VISTA
VIRCAM

General monitoring:
Image Quality
Extinction
PWV monitor

retired (since April 2010):
FORS1

QC links:
QC home
Cal Checker
Health Checks
Reference Frames

QC1 database
Paranal autrep database

Plot	Symb	Source	OPS?	Average			Thresholds		N_data	QC1 parameter	Data downloads	Remarks
				method	value	unit	method	value				
1	•	QC1DB	no	MEDIAN	0.03904	ADU	VAL	0.0001,0.06	27	qc_twil_rms	this I last_yr I all	TWILRMS opslog values, average over all 16 detectors
2	•	QC1DB	no	MEDIAN	0.03423	ADU	VAL	0.0001,0.1	398	qc_twil_rms	this I last_yr I all	TWILRMS opslog values, individual detector values
3	•	QC1DB	no	MEDIAN	0.01515	ADU	VAL	0.0001,0.03	27	qc_twil_rms	this I last_yr I all	TWILRMS opslog values, stdev over all detectors
4	[19]	LOCAL	no	none		ADU	none		353	qc_twil_rms	n/a	TWILRMS, outlier detector
4	[19]	LOCAL	no	none		ADU	none		47	qc_twil_rms	n/a	TWILRMS, outlier detector
4	.	LOCAL	no	none		ADU	none		353	qc_twil_rms	n/a	TWILRMS, outlier detector
4	.	LOCAL	no	none		ADU	none		47	qc_twil_rms	n/a	TWILRMS, outlier detector

*Data sources: QC1DB: QC1 database; LOCAL: local text file **OPS: to indicate that OPSLOG data are included

Print: - png file   Information and research: - advanced studies: QC1 browser | QC1 plotter   News:

VST Review Sept. 28, 2010

Score report   HELP

VCAM.2010-09-18T23:14:30.675_tpl.ab
RAW_TYPE: TWIL
setup: H
time range: 2010-06-21 ... 2010-09-19

AB | ALOG | PLOG | QC1_plotter | factsheet

[back to AB monitor]

1. Parameter score report

Scores are sorted per QC1 parameter:
Point your mouse on QC1 parameter name for short documentation.
The large orange square links to a dynamic plot for all detectors.
Smaller squares link to AVG and RMS values (if configured).

qc_ratiotwil_rms HC   qc_twil_rms HC

HC plot(s): HC_TWILRATIO | HC_TWILRAW | HC_TWILRMS
Score data: details ...

✔ score result: 0/36 best: 0/36

powered by QC [scoreQC v1.5.1]

2. Detector score report

The same scores, sorted per detector:

DET1.CHIP13	DET1.CHIP14	DET1.CHIP15	DET1.CHIP16	AVG
DET1.CHIP9	DET1.CHIP10	DET1.CHIP11	DET1.CHIP12	RMS
DET1.CHIP5	DET1.CHIP6	DET1.CHIP7	DET1.CHIP8	
DET1.CHIP1	DET1.CHIP2	DET1.CHIP3	DET1.CHIP4	

retired (since April 2010):
FORS1
QC links:
QC home
Cal Checker
Health Checks
Reference Frames

QC1 database
Paranal autrep database

3	•	QC1DB	no	MEDIAN	0.01515	ADU	VAL	0.0001,0.03	27	qc_twil_rms	this	last_yr	all	TWILRMS **opslog values**, stdev over all detectors
4	[19]	LOCAL	no	none		ADU	none		353	qc_twil_rms	n/a			TWILRMS, outlier detector
4	[19]	LOCAL	no	none		ADU	none		47	qc_twil_rms	n/a			TWILRMS, outlier detector
4	.	LOCAL	no	none		ADU	none		353	qc_twil_rms	n/a			TWILRMS, outlier detector
4	.	LOCAL	no	none		ADU	none		47	qc_twil_rms	n/a			TWILRMS, outlier detector

*Data sources: QC1DB: QC1 database; LOCAL: local text file | **OPS: to indicate that OPSLOG data are included
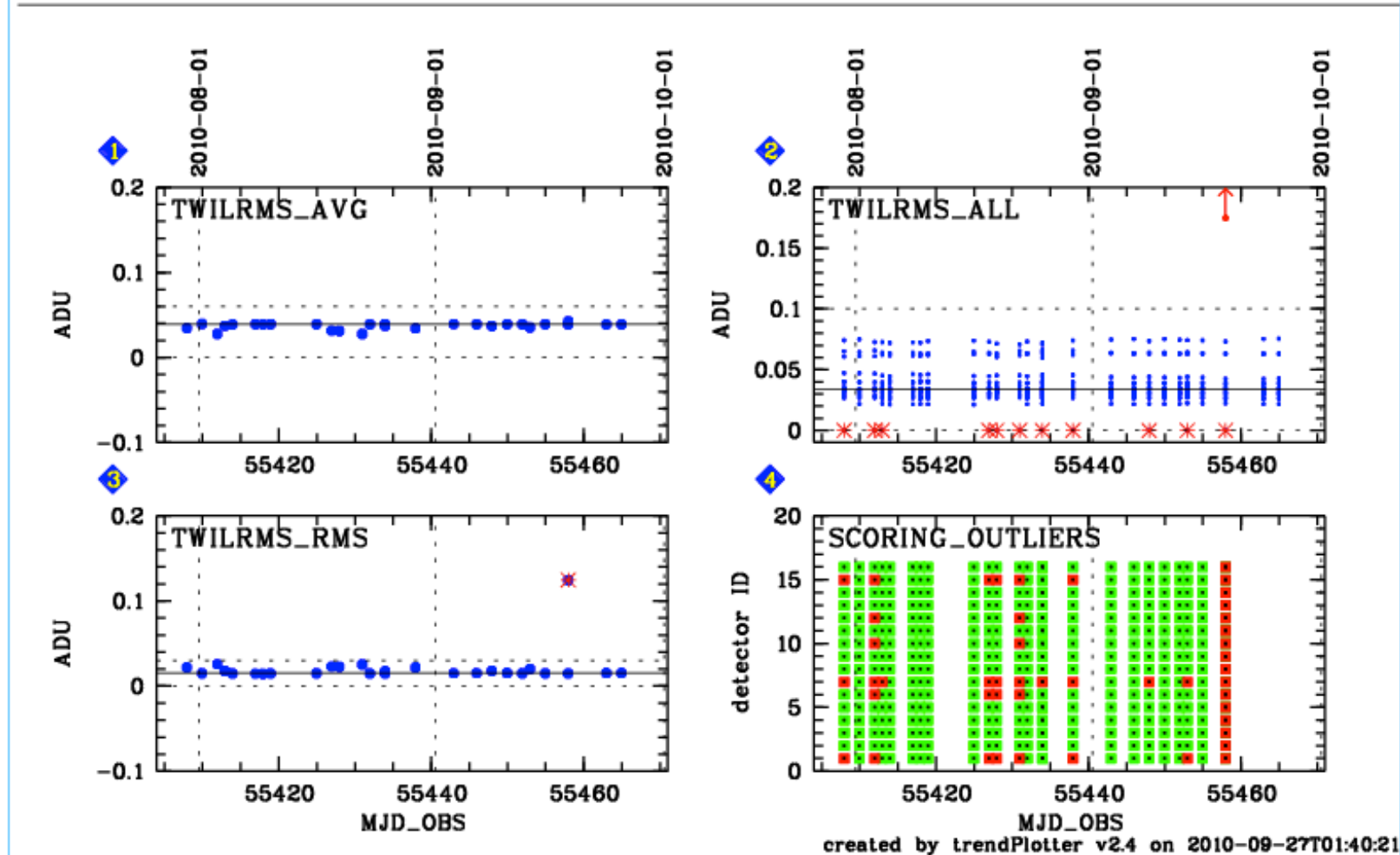

VIRCAM trending system: SCORES (quick-look)

Last update: 2010-09-27T01:40:42 (UT) (0d 07h:43m ago) | now: 2010-09-27T09:24:11 (UT)   HELP USERS-GUIDE MORE

| same group: | RMS_NB118 | RMS_Z | RMS_Y | RMS_J | RMS_H | RMS_K | RATIO_NB118 | RATIO_Z | RATIO_Y | RATIO_J | RATIO_H | RATIO_K |

HC plot... | history: none | plot tutorial ... | contact   [?]   *Date on this monitor changes at 21:00 UT

TWILIGHTFLAT.RMS H (scores, last 7 days up to 2010-09-25*)

▲ 1: TWILRMS_AVG   2: TWILRMS_ALL
■ 2 ▪ ▪   not implemented

3: TWILRMS_RMS   4: SCORING_OUTLIERS
▲ 2 ▪ ▲   not implemented

News:

Scores (quick-look version)

This is the quick-look version of the HealthCheck Monitor. It displays *scores* for each HC report. Scores are flags assessing the compliance of data points with configured thresholds. A green score symbol indicates that the corresponding instrument component is performing as expected (OK) in the monitored time range.

If they exist, a table with quality comments (entered by the QC scientist) is displayed which usually (but not necessarily) refers to data with red scores. A comment may refer to the quality of the pipeline products and not necessarily to the exact parameter scored in this report. Quality comments are entered upon certification and, therefore, cannot be guaranteed to be available at the same time as the automatic scoring. These comments are also visible on the AB product monitors.

Scores are based on the QC data for the last 7 days before the indicated date (the last one with data for this report). For each HC plot, these scores are checked against the upper and lower thresholds, searching for outliers. If no outlier is found, the corresponding plot is scored OK and marked green. Outliers get a NOK score and are marked red. More ...

55420   55440   55460

ING_OUTLIERS

55420   55440   55460
MJD_OBS
by trendPlotter v2.4 on 2010-09-27T01:40:21

	Remarks
this	all	TWILRMS **opslog values**, average over all 16 detectors
	all	TWILRMS **opslog values**, individual detector values
this	last_yr	all	TWILRMS **opslog values**, stdev over all detectors

VST Review Sept. 28, 2010

VCAM.2010-09-18T23:14:30.675_tpl.ab
RAW_TYPE: TWIL
setup: H
time range: 2010-06-21 ... 2010-09-19

AB | ALOG | PLOG | QC1_plotter | factsheet

[back to AB monitor]

1. Parameter score report

Scores are sorted per QC1 parameter:
Point your mouse on QC1 parameter name for short documentation.
The large orange square links to a dynamic plot for all detectors.
Smaller squares link to AVG and RMS values (if configured).

qc_ratiotwil_rms HC   qc_twil_rms HC

HC plot(s): HC_TWILRATIO | HC_TWILRAW | HC_TWILRMS

Score data: details ...

✔ score result: 0/36 best: 0/36

powered by QC [scoreQC v1.5.1]

2. Detector score report

The same scores, sorted per detector:

DET1.CHIP13	DET1.CHIP14	DET1.CHIP15	DET1.CHIP16	AVG
DET1.CHIP9	DET1.CHIP10	DET1.CHIP11	DET1.CHIP12	RMS
DET1.CHIP5	DET1.CHIP6	DET1.CHIP7	DET1.CHIP8	
DET1.CHIP1	DET1.CHIP2	DET1.CHIP3	DET1.CHIP4	

VIRCAM trending system
Last update: 2010-09-27T01:40:42 (UT) (0d 07...)

same group: RMS_NB118 | RMS_Z | RMS_Y | RM...

HC plot... | history: none | plot tutorial ... | contact

TWILIGHTFLAT.RMS H (scores, last 7 days)

1: TWILRMS_AVG   2: TWILRMS_ALL *not implemented*

3: TWILRMS_RMS   4: SCORING_OUTLIER *not implemented*

News:

Scores (quick-look version)

This is the quick-look version of the HealthChe...
data points with configured thresholds. A green...
expected (OK) in the monitored time range.

If they exist, a table with quality comments (ent...
red scores. A comment may refer to the quality o...
Quality comments are entered upon certification...
scoring. These comments are also visible on the...

Scores are based on the QC data for the last 7 da...
scores are checked against the upper and lower...
and marked green. Outliers get a NOK score an...

55420   55440   55460

...G_OUTLIERS

55420   55440   55460
MJD_OBS
...by trendPlotter v2.4 on 2010-09-27T01:40:21

		Remarks
	all	TWILRMS **opslog values**, average over all 16 detectors
	all	TWILRMS **opslog values**, individual detetcor values
3	•	QC1DB	no	MEDIAN	0.01515	ADU	VAL	0.0001,0.03	27	qc_twil_rms	this	last_yr	all	TWILRMS **opslog values**, stdev over all detectors
4	[19]	LOCAL	no	none		ADU	none		353	qc_twil_rms	n/a	TWILRMS, outlier detector
4	[19]	LOCAL	no	none		ADU	none		47	qc_twil_rms	n/a	TWILRMS, outlier detector
4	.	LOCAL	no	none		ADU	none		353	qc_twil_rms	n/a	TWILRMS, outlier detector
4	.	LOCAL	no	none		ADU	none		47	qc_twil_rms	n/a	TWILRMS, outlier detector

*Data sources: QC1DB: QC1 database; LOCAL: local text file | **OPS: to indicate that OPSLOG data are included

retired (since April 2010):
  FORS1
QC links:
  QC home
  Cal Checker
  Health Checks
  Reference Frames

  QC1 database
  Paranal autrep database

VCAM.2010-09-18T23:29:18.334_tpl.ab
RAW_TYPE: TWIL
setup: H
time range: 2010-06-21 ... 2010-09-19

AB | ALOG | PLOG | QC1_plotter | factsheet

[back to AB monitor]

1. Parameter score report

Scores are sorted per QC1 parameter:
Point your mouse on QC1 parameter name for short documentation.
The large orange square links to a dynamic plot for all detectors.
Smaller squares link to AVG and RMS values (if configured).

qc_ratiotwil_rms HC   qc_twil_rms HC
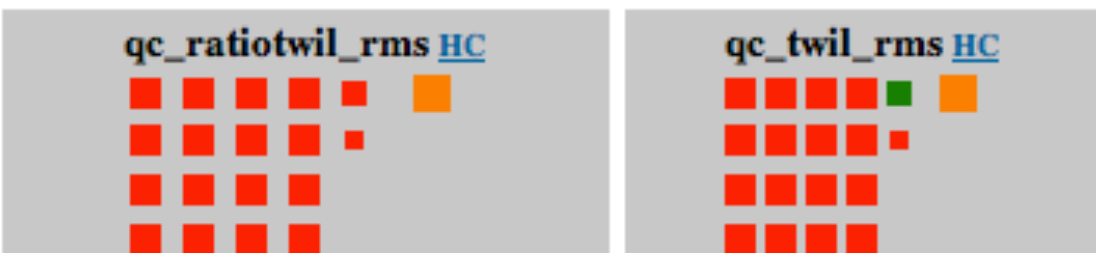
HC plot(s): HC_TWILRATIO | HC_TWILRAW | HC_TWILRMS

Score data: details ...

✗ score result: 35/36 best: 0/36

powered by QC [scoreQC v1.5.1]

2. Detector score report

The same scores, sorted per detector:

DET1.CHIP13	DET1.CHIP14	DET1.CHIP15	DET1.CHIP16	AVG
DET1.CHIP9	DET1.CHIP10	DET1.CHIP11	DET1.CHIP12	RMS
DET1.CHIP5	DET1.CHIP6	DET1.CHIP7	DET1.CHIP8	
DET1.CHIP1	DET1.CHIP2	DET1.CHIP3	DET1.CHIP4	

Quality Control Workflow continued

Quality Control process for science data:

• pipeline processing is done off-line (not automatic)

• currently, ~10% of all VIRCAM science data is processed. This will be the baseline starting point for OmegaCAM.

• science data is processed using *certified* master calibrations
• no strict science certification. The initial data quality is graded by SciOps (ABCD) based on PI constraints and conditions. QC issues are fed back to USD and SciOps and may affect grading
• science products are ingested into the archive

AB product monitor (Instrument: VIRCAM, date: 2010-08-30)

http://qcweb.hq.eso.org/VIRCAM/logs/2010-08-30/status_2010-08-30.html

translate astronomy▾ EST▾ KIDS▾ OCAM▾ astro-wise▾ VISTA/VST▾ astSOFT▾ Py▾ ESO▾ web▾ SINFONI▾ DMO▾ news (572)▾ scinews▾ fun▾ flying▾ banking▾ shopping▾

AB product monitor (instrument: VIRCAM, date: 2010-08-30)

This is the AB product monitor, with an overview of the processing status of all ABs and the quality of the products.

last update: 2010-09-16 15:27:15 (UT); machine: qc04; browser_refresh: off; tool_refresh: off
number of ABs (all | success | failed): 357 | 68 | 0   scored: 70; result: 82/5490 CAL: ▲ SCI: ▲
Splitting by detector: YES

CAL report refs

BQS	AB NAME	COMPL.	AB LOG	RECIPE	RAW_TYPE	SETUP (sort)	AB STATUS	P LOG	T_EXEC [min]	QC REPORT	SCORE	CERTIF
■	VCAM.2010-08-30T22:46:34.678_tpl.ab	compl.	OK	vircam_twilight_flat_combine	TWIL	NB118	OK	P_LOG	15.4+38.4	DONE	✗ HC (14/72)	OK
■	VCAM.2010-08-30T22:53:48.614_tpl.ab	compl.	OK	vircam_twilight_flat_combine	TWIL	Y	OK	P_LOG	15.8+36.8	DONE	✔ HC (0/72)	OK
■	VCAM.2010-08-30T23:00:40.254_tpl.ab	compl.	OK	vircam_twilight_flat_combine	TWIL	J	OK	P_LOG	15.4+28.8	DONE	✔ HC (0/72)	OK
	VCAM.2010-08-30T23:30:34.639_tpl.ab	compl.	OK	vircam_standard_process	STD	H	OK	P_LOG	+5.4	DONE	✗ HC (3/72)	OK
	VCAM.2010-08-30T23:32:53.834_tpl.ab	compl.	OK	vircam_standard_process	STD	Ks	OK	P_LOG	29.5+4.8	DONE	✔ HC (0/72)	AUTO
	VCAM.2010-08-30T23:35:18.136_tpl.ab	compl.	OK	vircam_standard_process	STD	J	OK	P_LOG	31.1+7.8	DONE	✔ HC (0/72)	AUTO
	VCAM.2010-08-30T23:37:37.567_tpl.ab	compl.	OK	vircam_standard_process	STD	Y	OK	P_LOG	35.3+7.2	DONE	✔ HC (0/72)	AUTO
	VCAM.2010-08-30T23:39:57.817_tpl.ab	compl.	OK	vircam_standard_process	STD	Z	OK	P_LOG	34.7+5.5	DONE	✔ HC (0/72)	AUTO
	VCAM.2010-08-30T23:42:16.248_tpl.ab	compl.	OK	vircam_standard_process	STD	NB118	OK	P_LOG	28.5+3.9	DONE	✔ HC (0/72)	AUTO
	VCAM.2010-08-30T23:53:54.746_tpl.ab	compl.	OK	vircam_jitter_microstep_process	SCI_PAW	Y_1	...			...		
	VCAM.2010-08-30T23:54:56.122_tpl.ab	compl.	OK	vircam_jitter_microstep_process	SCI_PAW	Y_2	...			...		
	VCAM.2010-08-30T23:55:55.061_tpl.ab	compl.	OK	vircam_jitter_microstep_process	SCI_PAW	Y_3	...			...		
	VCAM.2010-08-30T23:56:55.610_tpl.ab	compl.	OK	vircam_jitter_microstep_process	SCI_PAW	Y_4	OK	P_LOG	21.4+6.0	DONE	✔ (0/90)	AUTO
	VCAM.2010-08-30T23:57:57.747_tpl.ab	compl.	OK	vircam_jitter_microstep_process	SCI_PAW	Y_5	...			...		
	VCAM.2010-08-30T23:58:58.736_tpl.ab	compl.	OK	vircam_jitter_microstep_process	SCI_PAW	Y_6	...			...		
	VCAM.2010-08-31T00:00:27.543_tpl.ab	compl.	OK	vircam_jitter_microstep_process	SCI_PAW	J_1	...			...		
	VCAM.2010-08-31T00:01:28.462_tpl.ab	compl.	OK	vircam_jitter_microstep_process	SCI_PAW	J_2	...			...		
	VCAM.2010-08-31T00:02:31.088_tpl.ab	compl.	OK	vircam_jitter_microstep_process	SCI_PAW	J_3	...			...		
	VCAM.2010-08-31T00:03:33.271_tpl.ab	compl.	OK	vircam_jitter_microstep_process	SCI_PAW	J_4	...			...		
	VCAM.2010-08-31T00:04:34.271_tpl.ab	compl.	OK	vircam_jitter_microstep_process	SCI_PAW	J_5	...			...		
	VCAM.2010-08-31T00:05:35.813_tpl.ab	compl.	OK	vircam_jitter_microstep_process	SCI_PAW	J_6	...			...		
	VCAM.2010-08-31T00:07:06.790_tpl.ab	compl.	OK	vircam_jitter_microstep_process	SCI_PAW	Ks_1	...			...		
	VCAM.2010-08-31T00:08:11.776_tpl.ab	compl.	OK	vircam_jitter_microstep_process	SCI_PAW	Ks_2	OK	P_LOG	27.9+5.2	DONE	✔ (0/90)	AUTO
	VCAM.2010-08-31T00:09:16.585_tpl.ab	compl.	OK	vircam_jitter_microstep_process	SCI_PAW	Ks_3	...			...		
	VCAM.2010-08-31T00:10:22.482_tpl.ab	compl.	OK	vircam_jitter_microstep_process	SCI_PAW	Ks_4	...			...		
	VCAM.2010-08-31T00:11:27.125_tpl.ab	compl.	OK	vircam_jitter_microstep_process	SCI_PAW	Ks_5	...			...		
	VCAM.2010-08-31T00:12:31.044_tpl.ab	compl.	OK	vircam_jitter_microstep_process	SCI_PAW	Ks_6	...			...		
	VCAM.2010-08-31T00:14:04.832_tpl.ab	compl.	OK	vircam_jitter_microstep_process	SCI_PAW	H_1	...			...		
	VCAM.2010-08-31T00:15:09.522_tpl.ab	compl.	OK	vircam_jitter_microstep_process	SCI_PAW	H_2	...			...		
	VCAM.2010-08-31T00:16:14.623_tpl.ab	compl.	OK	vircam_jitter_microstep_process	SCI_PAW	H_3	...			...		
	VCAM.2010-08-31T00:17:22.546_tpl.ab	compl.	OK	vircam_jitter_microstep_process	SCI_PAW	H_4	...			...		
	VCAM.2010-08-31T00:18:29.921_tpl.ab	compl.	OK	vircam_jitter_microstep_process	SCI_PAW	H_5	...			...		
	VCAM.2010-08-31T00:19:34.665_tpl.ab	compl.	OK	vircam_jitter_microstep_process	SCI_PAW	H_6	OK	P_LOG	23.0+8.3	DONE	✔ (0/90)	AUTO
	VCAM.2010-08-31T00:25:33.328_tpl.ab	compl.	OK	vircam_jitter_microstep_process	SCI_PAW	Ks_1	...			...		
	VCAM.2010-08-31T00:26:11.886_tpl.ab	compl.	OK	vircam_jitter_microstep_process	SCI_PAW	Ks_2	...			...		
	VCAM.2010-08-31T00:26:50.348_tpl.ab	compl.	OK	vircam_jitter_microstep_process	SCI_PAW	Ks_3	...			...		
	VCAM.2010-08-31T00:27:29.439_tpl.ab	compl.	OK	vircam_jitter_microstep_process	SCI_PAW	Ks_4	...			...		
	VCAM.2010-08-31T00:28:07.221_tpl.ab	compl.	OK	vircam_jitter_microstep_process	SCI_PAW	Ks_5	...			...		
	VCAM.2010-08-31T00:28:43.130_tpl.ab	compl.	OK	vircam_jitter_microstep_process	SCI_PAW	Ks_6	...			...		
	VCAM.2010-08-31T00:29:59.465_tpl.ab	compl.	OK	vircam_jitter_microstep_process	SCI_PAW	Ks_1	...			...		
	VCAM.2010-08-31T00:30:38.192_tpl.ab	compl.	OK	vircam_jitter_microstep_process	SCI_PAW	Ks_2	...			...		
	VCAM.2010-08-31T00:31:14.980_tpl.ab	compl.	OK	vircam_jitter_microstep_process	SCI_PAW	Ks_3	...			...		
	VCAM.2010-08-31T00:31:55.307_tpl.ab	compl.	OK	vircam_jitter_microstep_process	SCI_PAW	Ks_4	OK	P_LOG	40.9+9.8	DONE	✔ (0/90)	AUTO
	VCAM.2010-08-31T00:32:30.985_tpl.ab	compl.	OK	vircam_jitter_microstep_process	SCI_PAW	Ks_5	...			...		
	VCAM.2010-08-31T00:33:06.712_tpl.ab	compl.	OK	vircam_jitter_microstep_process	SCI_PAW	Ks_6	...			...		
	VCAM.2010-08-31T00:34:14.108_tpl.ab	compl.	OK	vircam_jitter_microstep_process	SCI_PAW	Ks_1	...			...		
	VCAM.2010-08-31T00:34:52.618_tpl.ab	compl.	OK	vircam_jitter_microstep_process	SCI_PAW	Ks_2	...			...		
	VCAM.2010-08-31T00:35:32.026_tpl.ab	compl.	OK	vircam_jitter_microstep_process	SCI_PAW	Ks_3	...			...		
	VCAM.2010-08-31T00:36:14.139_tpl.ab	compl.	OK	vircam_jitter_microstep_process	SCI_PAW	Ks_4	...			...		
	VCAM.2010-08-31T00:36:53.842_tpl.ab	compl.	OK	vircam_jitter_microstep_process	SCI_PAW	Ks_5	...			...		
	VCAM.2010-08-31T00:37:32.435_tpl.ab	compl.	OK	vircam_jitter_microstep_process	SCI_PAW	Ks_6	...			...		
	VCAM.2010-08-31T00:38:43.770_tpl.ab	compl.	OK	vircam_jitter_microstep_process	SCI_PAW	Ks_1	...			...		
	VCAM.2010-08-31T00:39:24.332_tpl.ab	compl.	OK	vircam_jitter_microstep_process	SCI_PAW	Ks_2	OK	P_LOG	45.2+11.1	DONE	✔ (0/90)	AUTO
	VCAM.2010-08-31T00:40:01.341_tpl.ab	compl.	OK	vircam_jitter_microstep_process	SCI_PAW	Ks_3	...			...		
	VCAM.2010-08-31T00:40:39.913_tpl.ab	compl.	OK	vircam_jitter_microstep_process	SCI_PAW	Ks_4	...			...		
	VCAM.2010-08-31T00:41:17.556_tpl.ab	compl.	OK	vircam_jitter_microstep_process	SCI_PAW	Ks_5	...			...		
	VCAM.2010-08-31T00:41:53.509_tpl.ab	compl.	OK	vircam_jitter_microstep_process	SCI_PAW	Ks_6	...			...		
	VCAM.2010-08-31T00:47:00.676_tpl.ab	compl.	OK	vircam_jitter_microstep_process	SCI_PAW	Ks_1	...			...		
	VCAM.2010-08-31T00:47:41.924_tpl.ab	compl.	OK	vircam_jitter_microstep_process	SCI_PAW	Ks_2	...			...		
	VCAM.2010-08-31T00:48:19.186_tpl.ab	compl.	OK	vircam_jitter_microstep_process	SCI_PAW	Ks_3	...			...		

...ed. This will be the

...ctions

...s graded by SciOps

...ues are fed back to

VST Review Sept. 28, 2010

OmegaCAM

- current processing platform is a cluster consisting of 20, dual-core blades

OmegaCAM

- current processing platform is a cluster consisting of 20, dual-core blades

- pipeline and cluster tests ongoing using a full night of OmegaCAM data
(ESO version of pipeline has been tested with ILT, WFI, and artificial data)

bias readnoise
shutter timing
gain and linearity
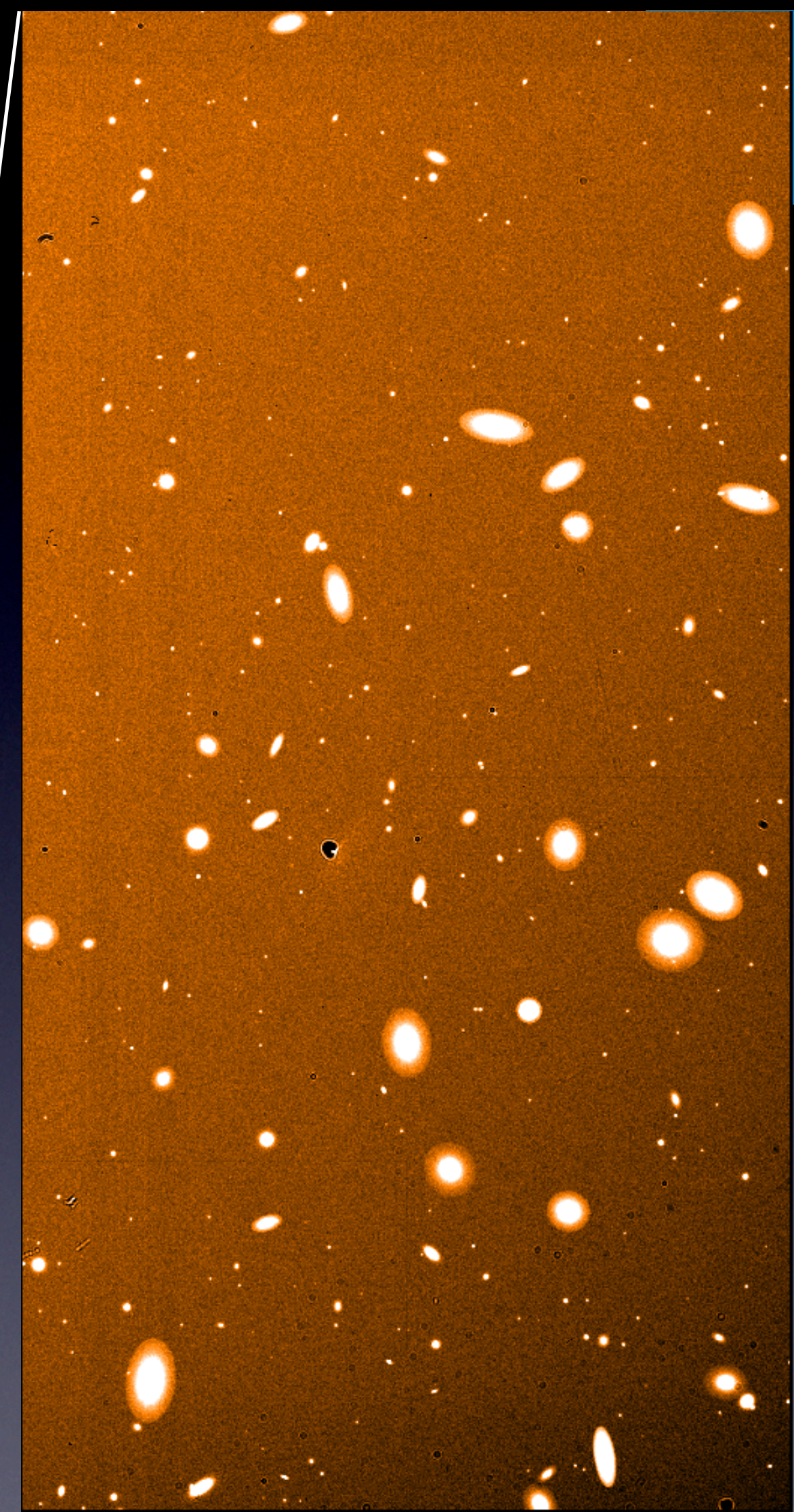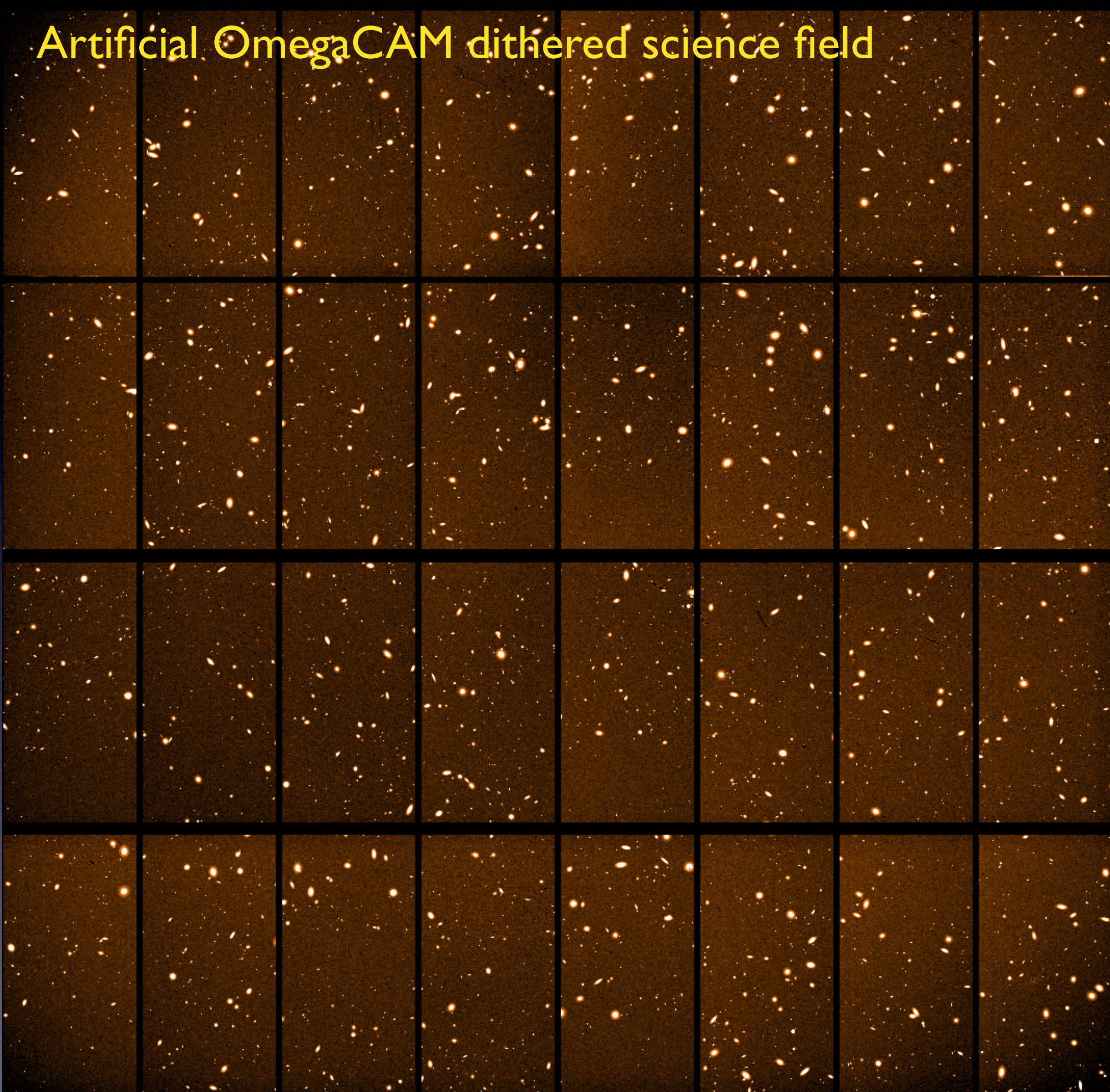bias
dark current and particle rate
dome flat fields
twilight flat fields
secondary standard fields
dithered science data

Artificial OmegaCAM dithered science field

OmegaCAM QC:

Pipeline products	QC Parameters Monitored and Scored
master bias/hot pixel map	N_{hotpix}, detector statistics, structure, comparision to reference
master dome flat/cold pixel map	$N_{coldpix}$, detector and lamp statistics, structure, comparision to reference
master dark	dark current and particle rate, comparision to reference
master twilight flat/master flat/ bad pixel map	N_{badpix}, detector and sky statistics, structure, comparision to reference
reduced standard star/ zeropoints table	extinction and zeropoints monitoring, image quality
coadded science frames/sky flat/ fringe flat/weight map	coadded science frame statistics, number counts, PSF distribution (orient. and ellip. maps), image quality, astrometric error distribution

... the END

but, please explore the ESO Quality Control web presence:

http://www.eso.org/observing/dfo/quality/

Comments and criticisms are always welcome.