



VST/OmegaCAM Data Products Meeting

ESO Garching Quality Control: Closing the loop with Paranal

Mark Neeser
(Quality Control Group & ESO Survey Team)

Garching Quality Control: Closing the loop with Paranal

Quality control goals:

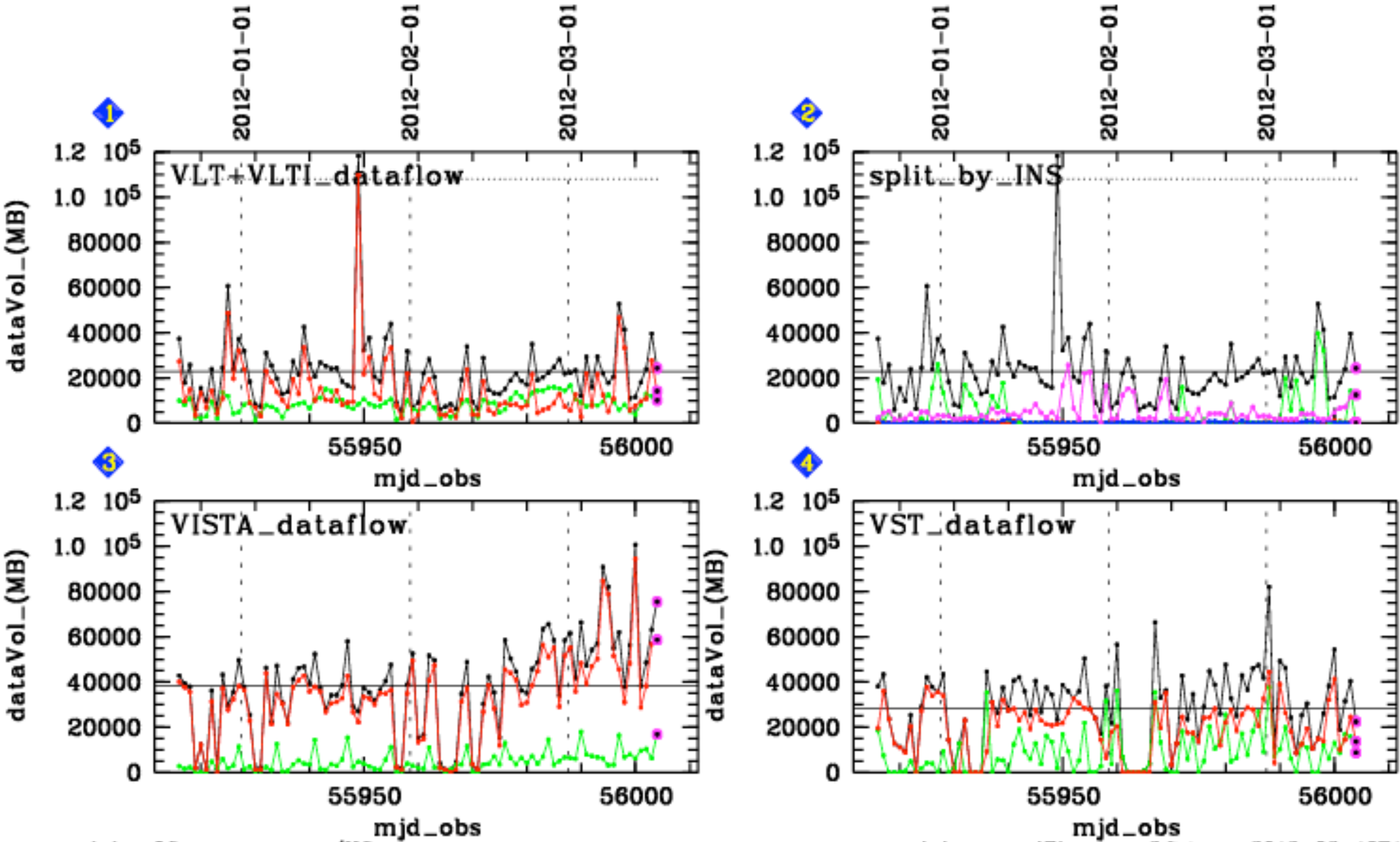
- ensure that the instrument is operating nominally
- for each night ensure that calibration data is complete for all science observing blocks executed
- pipeline process all calibrations, check their quality (certify), and store products in the archive
- pipeline process > 10% of science data & confirm the quality

- and do this with 0.40 FTE's (will become 0.20 FTE's from July 2012)

VST/OmegaCAM data rate exceeds that of all 14 VLT/VLTI instruments combined and is comparable to that of VISTA/VIRCAM ~30 GB/night (average compressed)

dataflow parameters (last 90 days)

Data range: 2011-12-21 ... 2012-03-17*



- total
- science only
- calibration only

powered by QC: www.eso.org/HC

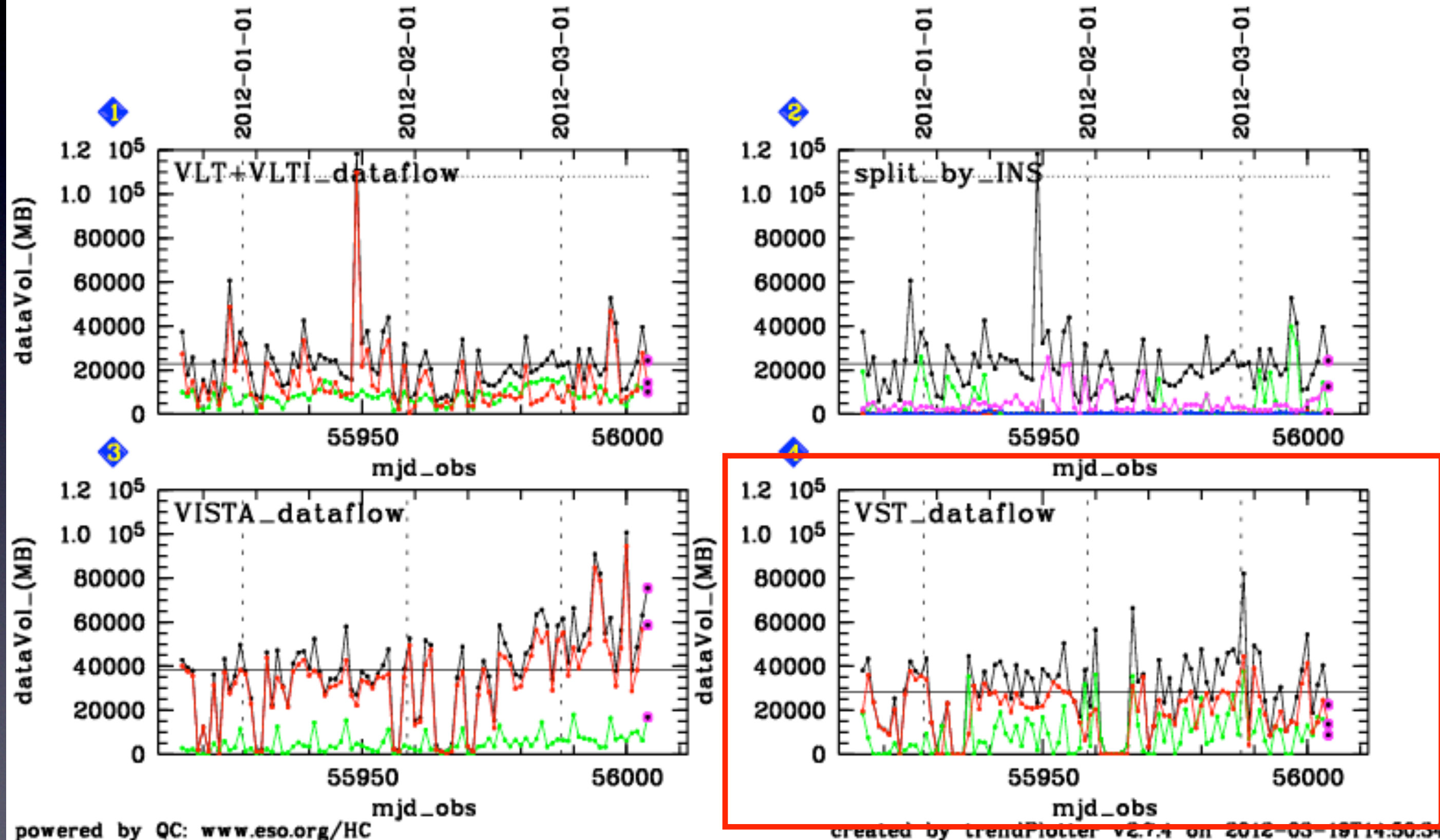
created by trendPlotter v2.7.4 on 2012-03-19T14:50:34

http://www.eso.org/observing/dfo/quality/WISQ/HEALTH/trend_report_dataflow_HC.html

VST/OmegaCAM data rate exceeds that of all 14 VLT/VLTI instruments combined and is comparable to that of VISTA/VIRCAM ~30 GB/night (average compressed)

dataflow parameters (last 90 days)

Data range: 2011-12-21 ... 2012-03-17*



http://www.eso.org/observing/dfo/quality/WISQ/HEALTH/trend_report_dataflow_HC.html

Quality Control workflow

- via a close interaction with Paranal Science Operations and User Support
- as automated as possible via *incremental and automatic processing 24/7*:
 - headers are used to match calibration data and define dependencies
 - check for new calibration data once per hour and pipeline process them
 - ancillary scripts evaluate pipeline products for QC and create images and plots of crucial parameters (currently, 1090 / 32 parameters).
 - scores are calculated => all QC parameters are compared to configured thresholds and graded as **OK/NOK** (currently, 1090 parameters monitored)
 - all this information is accessible on the web

I. CalChecker (Calibration Checker)

OMEGACAM calChecker: calibration completeness monitor

Last update: 2012-03-20T14:43:13 (UT) (0d 00h:11m ago) ✓ [?] Paranal date*: 2012-03-19 [?] [HELP](#) [ASSOC-RULES](#) [DETAILS](#)

Last header: OMEGA. 2012-03-20T10:59:04.667.hdr ✓ transfer ✓ ngas [?] *Date on this monitor changes at 21:00 UT. Current refresh frequency: 1/2hr nighttime, 1hr daytime

General news: 2012-01-20: analysis interface now having option for multiple entries

OMEGACAM news: The long-term calibrations DARK and GAIN_LINEARITY have now been set to a validity of 10 days. They are triggered automatically every 7 days by Calobbuild.

The ILLUMINATION need not be obtained as the operational procedure for doing so is still being defined.

Twilight templates are now checked for completeness (i.e. if a twilight template is interrupted and has less than 5 raw frames, it will appear as a MISS in calChecker).

Please check the cal4cal link to ensure the validity of the u_g_r_i_SDSS twilight flats.

Long-term calibrations and maintenance ([complete overview](#)) / [how to execute](#) [?]

type of calibration	validity (days)	age (days)	evaluation
ILLUMINATION	30		nothing found in last year!

[analyze ISSUES](#) | [HELP](#) | [ASSOC-RULES](#) | [DataTransferMonitor](#) | [BandWidth](#) | [history...](#) | [contact](#) Product availability depends on the data transfer to Garching and the archive ("ngas") access there (check the flags above).

[science](#) [cal4cal](#) [?]

DATE* [?]	2012-03-13	2012-03-14	2012-03-15	2012-03-16	2012-03-17	2012-03-18	2012-03-19	2012-03-19	action required? [?]	Setup:
[color if science data acquired]	SM 207 report NR	SM 49 report NR	SM 78 report NR	SM 119 report NR	SM 64 report NR	SM 153 report NR	SM 103 report NR	daytime calibs ...	[if not green: take these data types for these setups]
P... Product quality: [?]	products	products	products	products	products	products	products	finished 10:59UT		

Data types: Setup:										
SCIENCE NB_659_1_1_normal_normal		ok	ok	ok	ok	ok		all ok		
V_JOHN_1_1_normal_normal							nok analyzed: [1]	TWILIGHT	V_JOHN_1_1_normal_normal	
g_SDSS_1_1_normal_normal	ok	ok	ok	ok	ok	ok	ok	all ok		
i_SDSS_1_1_normal_normal	ok	ok	ok	ok	ok	ok	nok analyzed: [2]	TWILIGHT	i_SDSS_1_1_normal_normal	
r_SDSS_1_1_normal_normal	ok	ok	ok	ok	ok	ok		all ok		
u_SDSS_1_1_normal_normal	ok analyzed: [3]	ok	ok	ok	ok	ok	ok	all ok		
z_SDSS_1_1_normal_normal	ok analyzed: [4]							all ok		

ANALYSIS NOTES:

Index	data type	setup	date	flag	analysis
[1]	SCIENCE	V_JOHN_1_1_normal_normal	2012-03-19	NOK	[Action Required: V_JOHN sky flat is significantly out of date. Please take ASAP. (analyzed by mneaser@eso.org)]
[2]	SCIENCE	i_SDSS_1_1_normal_normal	2012-03-19	NOK	[Action Required: i_SDSS sky flat is very slightly out of date. Please take ASAP. (analyzed by mneaser@eso.org)]
[3]	SCIENCE	u_SDSS_1_1_normal_normal	2012-03-13	OK	[Modest Action Required: u/z_SDSS sky flat only just out of time range. (analyzed by mneaser@eso.org)]
[4]	SCIENCE	z_SDSS_1_1_normal_normal	2012-03-13	OK	[Modest Action Required: u/z_SDSS sky flat only just out of time range. (analyzed by mneaser@eso.org)]

INFORMATION SPECIFIC TO OMEGACAM [?]

The following keys are used to define a SCIENCE OmegaCAM setup:

INS.FILT1.NAME
available filters: u_SDSS / g_SDSS / r_SDSS / i_SDSS / z_SDSS / u_g_r_i_SDSS
B_JOHN / V_JOHN / v_STRM / H_ALPHA / opaque
NB_454_494_533_575 / NB_617_710_755_817 / NB_852_861_869_878

DET.WIN1.BINX (= 1)
DET.WIN1.BINY (= 1)
DET.READ.MODE (= normal)
DET.READ.SPEED (= normal)

For the moment time validities for the calibrations have been set to:
SCIENCE CALIB Delta T/days
=====

SCIENCE BIAS 3.0
SCIENCE DOME 4.0
SCIENCE TWILIGHT 7.0
SCIENCE STD 0.5

CONFIGURATION [?]

Number of days scanned:	7
Range of days for the calibration memory:	20
Days in the calibration memory:	2012-02-29
*Date on this monitor changes at:	21:00 UT

Real-time feed-back to Paranal that all science data have adequate calibrations (updated every 30 minutes).

LIVE version:
[calChecker_OmegaCAM](#)

I. CalChecker (Calibration Checker)

OMEGACAM calChecker: calibration completeness monitor

Last update: 2012-03-20T14:43:13 (UT) (0d 00h:11m ago) ✓ [?] Paranal date*: 2012-03-19 [?] [HELP](#) [ASSOC-RULES](#) [DETAILS](#)

Last header: OMEGA. 2012-03-20T10:59:04.667.hdr ✓ transfer ✓ ngas [?] *Date on this monitor changes at 21:00 UT. Current refresh frequency: 1/2hr nighttime, 1hr daytime

General news: 2012-01-20: analysis interface now having option for multiple entries
OMEGACAM news: The long-term calibrations DARK and GAIN_LINEARITY have now been set to a validity of 10 days. They are triggered automatically every 7 days by Calobbuild.
 The ILLUMINATION need not be obtained as the operational procedure for doing so is still being defined.
 Twilight templates are now checked for completeness (i.e. if a twilight template is interrupted and has less than 5 raw frames, it will appear as a MISS in calChecker).
 Please check the cal4cal link to ensure the validity of the u_g_r_i_SDSS twilight flats.

Long-term calibrations and maintenance ([complete overview](#)) / [how to execute](#) [?]

type of calibration	validity (days)	age (days)	evaluation
ILLUMINATION	30		nothing found in last year!

[analyze ISSUES](#) | [HELP](#) | [ASSOC-RULES](#) | [DataTransferMonitor](#) | [BandWidth](#) | [history...](#) | [contact](#) Product availability depends on the data transfer to Garching and the archive ("ngas") access there (check the flags above).

science cal4cal [?]

DATE*	2012-03-13	2012-03-14	2012-03-15	2012-03-16	2012-03-17	2012-03-18	2012-03-19	2012-03-19	action required?	Setup:
	SM 207 report NR	SM 49 report NR	SM 78 report NR	SM 119 report NR	SM 64 report NR	SM 153 report NR	SM 103 report NR	daytime calibs ...	[if not green: take these data types for these setups]
P... Product quality:	products	products	products	products	products	products	products	finished 10:59UT		

Data types: Setup:

SCIENCE	Setup	2012-03-13	2012-03-14	2012-03-15	2012-03-16	2012-03-17	2012-03-18	2012-03-19	action required?	Setup:
NB_659_1_1_normal_normal		ok	ok	ok	ok	ok	ok	ok	all ok	
V_JOHN_1_1_normal_normal								nok analyzed: [1]	TWILIGHT	V_JOHN_1_1_normal_normal
g_SDSS_1_1_normal_normal		ok	ok	ok	ok	ok	ok	ok	all ok	
i_SDSS_1_1_normal_normal		ok	ok	ok	ok	ok	ok	nok analyzed: [2]	TWILIGHT	i_SDSS_1_1_normal_normal
r_SDSS_1_1_normal_normal		ok	ok	ok	ok	ok	ok	ok	all ok	
u_SDSS_1_1_normal_normal		ok	ok	ok	ok	ok	ok	ok	all ok	
z_SDSS_1_1_normal_normal		ok						ok	all ok	

ANALYSIS NOTES:

Index	data type	setup	date	flag	analysis
[1]	SCIENCE	V_JOHN_1_1_normal_normal	2012-03-19	NOK	[Action Required: V_JOHN sky flat is significantly out of date. Please take ASAP. (analyzed by mneaser@eso.org)]
[2]	SCIENCE	i_SDSS_1_1_normal_normal	2012-03-19	NOK	[Action Required: i_SDSS sky flat is very slightly out of date. Please take ASAP. (analyzed by mneaser@eso.org)]
[3]	SCIENCE	u_SDSS_1_1_normal_normal	2012-03-13	OK	[Modest Action Required: u/z_SDSS sky flat only just out of time range. (analyzed by mneaser@eso.org)]
[4]	SCIENCE	z_SDSS_1_1_normal_normal	2012-03-13	OK	[Modest Action Required: u/z_SDSS sky flat only just out of time range. (analyzed by mneaser@eso.org)]

INFORMATION SPECIFIC TO OMEGACAM [?]

The following keys are used to define a SCIENCE OmegaCAM setup:

INS.FILT1.NAME
 available filters: u_SDSS / g_SDSS / r_SDSS / i_SDSS / z_SDSS / u_g_r_i_SDSS
 B_JOHN / V_JOHN / v_STRM / H_ALPHA / opaque
 NB_454_494_533_575 / NB_617_710_755_817 / NB_852_861_869_878

DET.WIN1.BINX (= 1)
DET.WIN1.BINY (= 1)
DET.READ.MODE (= normal)
DET.READ.SPEED (= normal)

For the moment time validities for the calibrations have been set to:
SCIENCE CALIB Delta T/days
 =====
 SCIENCE BIAS 3.0
 SCIENCE DOME 4.0
 SCIENCE TWILIGHT 7.0
 SCIENCE STD 0.5

CONFIGURATION [?]

Number of days scanned: 7
 Range of days for the calibration memory: 20
 Days in the calibration memory: 2012-02-29
 *Date on this monitor changes at: 21:00 UT

Real-time feed-back to Paranal that all science data have adequate calibrations (updated every 30 minutes).

When not, Paranal is informed and can act.

LIVE version:
[calChecker_OmegaCAM](#)

I. CalChecker (Calibration Checker)

OMEGACAM calChecker: calibration completeness monitor

Last update: 2012-03-20T14:43:13 (UT) (0d 00h:11m ago) ✓ [?] Paranal date*: 2012-03-19 [?] [HELP](#) [ASSOC-RULES](#) [DETAILS](#)

Last header: OMEGA. 2012-03-20T10:59:04.667.hdr ✓ transfer ✓ ngas [?] *Date on this monitor changes at 21:00 UT. Current refresh frequency: 1/2hr nighttime, 1hr daytime

General news: 2012-01-20: analysis interface now having option for multiple entries
OMEGACAM news: The long-term calibrations DARK and GAIN_LINEARITY have now been set to a validity of 10 days. They are triggered automatically every 7 days by Calobbuild.
 The ILLUMINATION need not be obtained as the operational procedure for doing so is still being defined.
 Twilight templates are now checked for completeness (i.e. if a twilight template is interrupted and has less than 5 raw frames, it will appear as a MISS in calChecker).
 Please check the cal4cal link to ensure the validity of the u_g_r_i_SDSS twilight flats.

Long-term calibrations and maintenance ([complete overview](#)) / [how to execute](#) [?]

type of calibration	validity (days)	age (days)	evaluation
ILLUMINATION	30		nothing found in last year!

analyze ISSUES | HELP | ASSOC-RULES | DataTransferMonitor | BandWidth | history... | contact Product availability depends on the data transfer to Garching and the archive ("ngas") access there (check the flags above).

science cal4cal [?]

DATE*	2012-03-13	2012-03-14	2012-03-15	2012-03-16	2012-03-17	2012-03-18	2012-03-19	2012-03-19	action required?	Setup:
[color if science data acquired]	SM 207 report NR	SM 49 report NR	SM 78 report NR	SM 119 report NR	SM 64 report NR	SM 153 report NR	SM 103 report NR	daytime calibs ...	[if not green: take these data types for these setups]
P... Product quality:	products	products	products	products	products	products	products	finished 10:59UT		

Data types: Setup:

SCIENCE	Setup	2012-03-13	2012-03-14	2012-03-15	2012-03-16	2012-03-17	2012-03-18	2012-03-19	action required?	Setup:
NB_659_1_1_normal_normal		ok	ok	ok	ok	ok	ok	ok	all ok	
V_JOHN_1_1_normal_normal								nok analyzed: [1]	TWILIGHT	V_JOHN_1_1_normal_normal
g_SDSS_1_1_normal_normal		ok	ok	ok	ok	ok	ok	ok	all ok	
i_SDSS_1_1_normal_normal		ok	ok	ok	ok	ok	ok	nok analyzed: [2]	TWILIGHT	i_SDSS_1_1_normal_normal
r_SDSS_1_1_normal_normal		ok	ok	ok	ok	ok	ok	ok	all ok	
u_SDSS_1_1_normal_normal		ok	ok	ok	ok	ok	ok	ok	all ok	
z_SDSS_1_1_normal_normal		ok						ok	all ok	

ANALYSIS NOTES:

Index	data type	setup	date	flag	analysis
[1]	SCIENCE	V_JOHN_1_1_normal_normal	2012-03-19	NOK	[Action Required: V_JOHN sky flat is significantly out of date. Please take ASAP. (analyzed by mneese@eso.org)]
[2]	SCIENCE	i_SDSS_1_1_normal_normal	2012-03-19	NOK	[Action Required: i_SDSS sky flat is very slightly out of date. Please take ASAP. (analyzed by mneese@eso.org)]
[3]	SCIENCE	u_SDSS_1_1_normal_normal	2012-03-13	OK	[Modest Action Required: u/z_SDSS sky flat only just out of time range. (analyzed by mneese@eso.org)]
[4]	SCIENCE	z_SDSS_1_1_normal_normal	2012-03-13	OK	[Modest Action Required: u/z_SDSS sky flat only just out of time range. (analyzed by mneese@eso.org)]

INFORMATION SPECIFIC TO OMEGACAM [?]

The following keys are used to define a SCIENCE OmegaCAM setup:

INS.FILT1.NAME
 available filters: u_SDSS / g_SDSS / r_SDSS / i_SDSS / z_SDSS / u_g_r_i_SDSS
 B_JOHN / V_JOHN / v_STRM / H_ALPHA / opaque
 NB_454_494_533_575 / NB_617_710_755_817 / NB_852_861_869_878

DET.WIN1.BINX (= 1)
DET.WIN1.BINY (= 1)
DET.READ.MODE (= normal)
DET.READ.SPEED (= normal)

For the moment time validities for the calibrations have been set to:
SCIENCE CALIB Delta T/days
 =====
 SCIENCE BIAS 3.0
 SCIENCE DOME 4.0
 SCIENCE TWILIGHT 7.0
 SCIENCE STD 0.5

CONFIGURATION [?]

Number of days scanned: 7
 Range of days for the calibration memory: 20
 Days in the calibration memory: 2012-02-29
 *Date on this monitor changes at: 21:00 UT

Real-time feed-back to Paranal that all science data have adequate calibrations (updated every 30 minutes).

When not, Paranal is informed and can act.

Also includes long-term calibrations (darks, shutter test, linearity-gain, etc.)

And, ugr_i_SDSS flats for polar field (cal4cal).

LIVE version:
[calChecker_OmegaCAM](#)

I. CalChecker (Ca

Calibration report for all OMEGACAM science files, for date 2012-03-19

OMEGACAM calChecker: calibration

Last update: 2012-03-20T14:43:13 (UT) (0d 00h:11m 00s ago)
 Last header: OMEGA_2012-03-20T10:59:04.667.hdr ✓ transfer ✓ no

General news: 2012-01-20: analysis interface now having opt
 OMEGACAM news: The long-term calibrations DARK and GAIN_LIN
 They are triggered automatically every 7 days by
 The ILLUMINATION need not be obtained as f
 Twilight templates are now checked for comp
 than 5 raw frames, it will appear as a MISS in
 Please check the cal4cal link to ensure the va

analyze ISSUES HELP ASSOC-RULES DataTransferMonitor BandWidth I n
 science cal4cal

DATE*: 2012-03-13 2012-03-14 2
 (color if science data acquired)
 SM 207 SM 49
 report | NR report | NR
 Product quality: products products

Data types:	Setup:		
SCIENCE	NB_659_1_1_normal_normal		ok
	V_JOHN_1_1_normal_normal		
	g_SDSS_1_1_normal_normal	ok	ok
	i_SDSS_1_1_normal_normal	ok	ok
	r_SDSS_1_1_normal_normal	ok	ok
	u_SDSS_1_1_normal_normal	ok	ok
	z_SDSS_1_1_normal_normal	analyzed: [3]	ok
		analyzed: [4]	

Index	data type	setup	date	flag	analysis
[1]	SCIENCE	V_JOHN_1_1_normal_normal	2012-03-19	NOK	[Action Required: V_
[2]	SCIENCE	i_SDSS_1_1_normal_normal	2012-03-19	NOK	[Action Required: L_S
[3]	SCIENCE	u_SDSS_1_1_normal_normal	2012-03-13	OK	[Modest Action Requ
[4]	SCIENCE	z_SDSS_1_1_normal_normal	2012-03-13	OK	[Modest Action Requ

INFORMATION SPECIFIC

The following keys are used to define a SCIENCE OmegaCAM setup
 INS.FILT1.NAME
 available filters: u_SDSS / g_SDSS / r_SDSS / i_SDSS / z_SDSS /
 B_JOHN / V_JOHN / v_STRM / H_ALPHA / op
 NB_454_494_533_575 / NB_617_710_755_817 / NB_852_861_869_878

DET.WIN1.BINX (= 1)
 DET.WIN1.BINY (= 1)
 DET.READ.MODE (= normal)
 DET.READ.SPEED (= normal)

For the moment time validities for the calibrations have been set to:

SCIENCE CALIB Delta T/days

=====

SCIENCE BIAS 3.0
 SCIENCE DOME 4.0
 SCIENCE TWILIGHT 7.0
 SCIENCE STD 0.5

close window

- This is the detailed calChecker report about the calibrations for all science OBs for 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').
 - If there are multiple comments for the same OB in the same night, only the last comment is displayed.
 - The table is sortable.
 - Press Shift key for multiple column sorting.
 - Default sorting is by DATA_TYPE, SETUP and RAW_FILE.
 - Restore default sorting with the browser refresh button.

bottom | report | NR

Obs: 607051 610866 611711 611737 611922 611945 612117 612205 612218 612478 612491 612715 612725 612738 612936 612962 631081 631084 631087 631090 631093 631096 631099 631102 631105 631108 631111 631114 631117 631120 631123 631126 631129

The table is sortable. Restore default sorting with the browser refresh button.

DATE	PROG_ID	MODE	OBS_ID	GRD	OB Comm.	(first) RAW FILE	DATA TYPE	SETUP	CALIBRATIONS			
2012-03-19	177.A-3016(C)	SM	612117	n/a		OMEGA.2012-03-20T00:48:57.221.fits	SCIENCE	g_SDSS_1_1_normal_normal	BIAS: 0.41	DOME: 0.39	TWILIGHT: -1.07	STD: -0.05
2012-03-19	177.A-3016(C)	SM	611922	n/a		OMEGA.2012-03-20T01:10:42.254.fits	SCIENCE	g_SDSS_1_1_normal_normal	BIAS: 0.39	DOME: 0.38	TWILIGHT: -1.08	STD: -0.07
2012-03-19	177.A-3016(C)	SM	612936	n/a		OMEGA.2012-03-20T06:46:59.046.fits	SCIENCE	g_SDSS_1_1_normal_normal	BIAS: 0.16	DOME: 0.14	TWILIGHT: -1.32	STD: -0.10
2012-03-19	177.A-3016(C)	SM	612962	n/a		OMEGA.2012-03-20T07:12:23.230.fits	SCIENCE	g_SDSS_1_1_normal_normal	BIAS: 0.14	DOME: 0.12	TWILIGHT: -1.33	STD: -0.12
2012-03-19	177.A-3016(C)	SM	612715	n/a		OMEGA.2012-03-20T07:47:09.542.fits	SCIENCE	g_SDSS_1_1_normal_normal	BIAS: 0.12	DOME: 0.10	TWILIGHT: -1.36	STD: -0.14
2012-03-19	088.A-4008(G)	SM	607051	n/a		OMEGA.2012-03-20T08:10:23.426.fits	SCIENCE	i_SDSS_1_1_normal_normal	BIAS: 0.10	DOME: 0.09	TWILIGHT: -7.37	STD: -0.16
2012-03-19	177.A-3016(C)	SM	611737	n/a		OMEGA.2012-03-20T00:25:09.887.fits	SCIENCE	u_SDSS_1_1_normal_normal	BIAS: 0.42	DOME: 0.39	TWILIGHT: -4.06	STD: -0.04
2012-03-19	177.A-3016(C)	SM	611945	n/a		OMEGA.2012-03-20T01:33:22.037.fits	SCIENCE	u_SDSS_1_1_normal_normal	BIAS: 0.38	DOME: 0.34	TWILIGHT: -4.11	STD: -0.09
2012-03-19	177.A-3016(C)	SM	612205	n/a		OMEGA.2012-03-20T01:58:49.303.fits	SCIENCE	u_SDSS_1_1_normal_normal	BIAS: 0.36	DOME: 0.33	TWILIGHT: -4.12	STD: 0.09
2012-03-19	177.A-3016(C)	SM	612218	n/a		OMEGA.2012-03-20T02:23:50.177.fits	SCIENCE	u_SDSS_1_1_normal_normal	BIAS: 0.34	DOME: 0.31	TWILIGHT: -4.14	STD: 0.08
2012-03-19	177.A-3016(C)	SM	611711	n/a		OMEGA.2012-03-20T02:48:10.373.fits	SCIENCE	u_SDSS_1_1_normal_normal	BIAS: 0.33	DOME: 0.29	TWILIGHT: -4.16	STD: 0.06
2012-03-19	177.A-3016(C)	SM	612478	n/a		OMEGA.2012-03-20T03:12:44.057.fits	SCIENCE	u_SDSS_1_1_normal_normal	BIAS: 0.31	DOME: 0.28	TWILIGHT: -4.17	STD: 0.04
2012-03-19	177.A-3016(C)	SM	612725	n/a		OMEGA.2012-03-20T03:35:18.210.fits	SCIENCE	u_SDSS_1_1_normal_normal	BIAS: 0.29	DOME: 0.26	TWILIGHT: -4.19	STD: 0.03
2012-03-19	177.A-3016(C)	SM	612738	n/a		OMEGA.2012-03-20T03:57:47.294.fits	SCIENCE	u_SDSS_1_1_normal_normal	BIAS: 0.28	DOME: 0.24	TWILIGHT: -4.21	STD: 0.01
2012-03-19	177.A-3016(C)	SM	612491	n/a		OMEGA.2012-03-20T04:46:31.464.fits	SCIENCE	u_SDSS_1_1_normal_normal	BIAS: 0.24	DOME: 0.21	TWILIGHT: -4.24	STD: -0.02
2012-03-19	177.A-3011(C)	SM	631081	n/a		OMEGA.2012-03-20T05:27:58.028.fits	SCIENCE	u_SDSS_1_1_normal_normal	BIAS: 0.22	DOME: 0.19	TWILIGHT: -4.26	STD: -0.05
2012-03-19	177.A-3011(C)	SM	631084	n/a		OMEGA.2012-03-20T05:32:11.710.fits	SCIENCE	u_SDSS_1_1_normal_normal	BIAS: 0.22	DOME: 0.18	TWILIGHT: -4.27	STD: -0.05
2012-03-19	177.A-3011(C)	SM	631087	n/a		OMEGA.2012-03-20T05:36:17.123.fits	SCIENCE	u_SDSS_1_1_normal_normal	BIAS: 0.21	DOME: 0.18	TWILIGHT: -4.27	STD: -0.05
2012-03-19	177.A-3011(C)	SM	631090	n/a		OMEGA.2012-03-20T05:40:21.336.fits	SCIENCE	u_SDSS_1_1_normal_normal	BIAS: 0.21	DOME: 0.18	TWILIGHT: -4.27	STD: -0.06
2012-03-19	177.A-3011(C)	SM	631093	n/a		OMEGA.2012-03-20T05:44:31.189.fits	SCIENCE	u_SDSS_1_1_normal_normal	BIAS: 0.21	DOME: 0.17	TWILIGHT: -4.27	STD: -0.06
2012-03-19	177.A-3011(C)	SM	631096	n/a		OMEGA.2012-03-20T05:48:36.002.fits	SCIENCE	u_SDSS_1_1_normal_normal	BIAS: 0.21	DOME: 0.17	TWILIGHT: -4.28	STD: -0.06
2012-03-19	177.A-3011(C)	SM	631099	n/a		OMEGA.2012-03-20T05:52:39.033.fits	SCIENCE	u_SDSS_1_1_normal_normal	BIAS: 0.20	DOME: 0.17	TWILIGHT: -4.28	STD: -0.06
2012-03-19	177.A-3011(C)	SM	631102	n/a		OMEGA.2012-03-20T05:56:42.875.fits	SCIENCE	u_SDSS_1_1_normal_normal	BIAS: 0.20	DOME: 0.17	TWILIGHT: -4.28	STD: -0.07
2012-03-19	177.A-3011(C)	SM	631105	n/a		OMEGA.2012-03-20T06:05:09.070.fits	SCIENCE	u_SDSS_1_1_normal_normal	BIAS: 0.19	DOME: 0.16	TWILIGHT: -4.29	STD: -0.07
2012-03-19	177.A-3011(C)	SM	631108	n/a		OMEGA.2012-03-20T06:09:15.403.fits	SCIENCE	u_SDSS_1_1_normal_normal	BIAS: 0.19	DOME: 0.16	TWILIGHT: -4.29	STD: -0.07
2012-03-19	177.A-3011(C)	SM	631111	n/a		OMEGA.2012-03-20T06:13:17.226.fits	SCIENCE	u_SDSS_1_1_normal_normal	BIAS: 0.19	DOME: 0.15	TWILIGHT: -4.29	STD: -0.08
2012-03-19	177.A-3011(C)	SM	631114	n/a		OMEGA.2012-03-20T06:17:16.018.fits	SCIENCE	u_SDSS_1_1_normal_normal	BIAS: 0.19	DOME: 0.15	TWILIGHT: -4.30	STD: -0.08
2012-03-19	177.A-3011(C)	SM	631117	n/a		OMEGA.2012-03-20T06:21:25.470.fits	SCIENCE	u_SDSS_1_1_normal_normal	BIAS: 0.18	DOME: 0.15	TWILIGHT: -4.30	STD: -0.08
2012-03-19	177.A-3011(C)	SM	631120	n/a		OMEGA.2012-03-20T06:25:33.173.fits	SCIENCE	u_SDSS_1_1_normal_normal	BIAS: 0.18	DOME: 0.15	TWILIGHT: -4.30	STD: -0.09
2012-03-19	177.A-3011(C)	SM	631123	n/a		OMEGA.2012-03-20T06:29:38.386.fits	SCIENCE	u_SDSS_1_1_normal_normal	BIAS: 0.18	DOME: 0.14	TWILIGHT: -4.31	STD: -0.09
2012-03-19	177.A-3011(C)	SM	631126	n/a		OMEGA.2012-03-20T06:33:41.618.fits	SCIENCE	u_SDSS_1_1_normal_normal	BIAS: 0.17	DOME: 0.14	TWILIGHT: -4.31	STD: -0.09
2012-03-19	177.A-3011(C)	SM	631129	n/a		OMEGA.2012-03-20T06:37:44.941.fits	SCIENCE	u_SDSS_1_1_normal_normal	BIAS: 0.17	DOME: 0.14	TWILIGHT: -4.31	STD: -0.10
2012-03-19	088.A-4005(A)	SM	610866	n/a		OMEGA.2012-03-20T08:37:31.532.fits	SCIENCE	V_JOHN_1_1_normal_normal	BIAS: 0.08	DOME: 0.09	TWILIGHT: -16.39	STD: 0.02

DATE PROG_ID MODE OBS_ID GRD OB Comm. (first) RAW FILE DATA TYPE SETUP CALIBRATIONS

last update: 2012-03-20T15:13:45 (UT) powered by QC [calChecker v3.5.2]

LIVE version:
[calChecker_OmegaCAM](#)

Quality Control workflow continued

Quality Control review and certification:

- done off-line on the results of the automated data matching and data processing
- all **red** scores are reviewed
- all monitored QC parameters are put in a data base, most of which are plotted (published as *Health Check* plots)
- any issues (mostly red scores) are analyzed and if necessary communicated to SciOps/USD.
- calibrations are then rejected or certified
- all results are published on the web
- certified calibration products are ingested into the archive

II. AB Monitor (Processing & QC Reports)

P... Product quality monitor (instrument: OMEGACAM, date: 2012-03-18)

*This is the product quality monitor, with an overview of the processing status of all processing jobs (ABs) and the quality of the products. The scoring of the products is more extensive than the scoring on the HC monitor. Those scores which are relevant for instrument health (marked 'HC') are propagated to the HC monitor. Here you also find scores related to pipeline processing and product quality. Click on the score report to see score details and other information for exploring data quality and trending.
For dates later than 2011-10-01 only calibrations are processed, no science data.*

last update: 2012-03-19 21:14:06 (UT); machine: **qc06** browser_refresh: **on** (every 10 sec | [stop](#) | [on](#)); tool_refresh: **on** (every 10 sec + runtime)

number of ABs (all | success | failed): **20 | 20 | 0** scored: 12; result: 14/1152
Splitting by detector: **YES**

[\[refresh\]](#) [CAL report NR](#) | [refs](#) | [\[recreate ABs\]](#) | [raw](#) | [score_investigate](#) | [comments: \[enter date comment\]](#) | [hide \(QC1_db\): date](#) | [raw](#) | [prod](#)

load: **1.03**
CONDOR: UP
Processing: 0

[HELP](#) | [\[config\]](#) | [DFOS](#)

Condor jobs for ocam@qc06:
2012-03-19 21:14:09
last DAG directory:
[/fastcache/qc/ocam/condor/OMEGA.2012-03-18T23:45:14.738_tpl.ab_1332146959347](#)
errors:
24825 [OMEGA.2012-03-18T23:45:14.738_tpl.ab.join.cmd.err](#)

dagman for ocam@qc06:
No job running.

Showing 1 to 20 of 20 ABs

Normal search: Enter a string or a combination of strings. Dependency search: Enter an INDEX and a delimiter for dependency search [\[more...\]](#).

For search, stop browser refresh: [stop](#) | [on](#)

BQS	AB NAME	INDEX	COMPL	AB LOG	RECIPE	RAW_TYPE	SETUP	AB STATUS	P LOG	T_EXEC	QC REPORT	SCO	RE	CERTIF
	OMEGA 2012-03-18T23:09:56.947_tpl.ab	CAL01	compl.	OK	omega_mflat	TWILIGHT	NB_659_1_1_normal_normal	OK	P LOG!	0.0+43.9	QC COVER	✓ _{HC}	(0/99)	
	OMEGA 2012-03-18T23:20:17.793_tpl.ab	CAL02	compl.	OK	omega_mflat	TWILIGHT	g_SDSS_1_1_normal_normal	OK	P LOG!	0.0+44.0	QC COVER	✓ _{HC}	(0/198)	
	OMEGA 2012-03-18T23:35:52.473_tpl.ab	CAL03	compl.	OK	omega_standard_star	STD	u_SDSS_1_1_normal_normal	OK	P LOG!	0.0+32.7	QC COVER	✓ _{HC}	(0/102)	
	OMEGA 2012-03-18T23:42:30.046_tpl.ab	CAL04	compl.	OK	omega_standard_star	STD	g_SDSS_1_1_normal_normal	OK	P LOG!	0.0+21.3	QC COVER	✓ _{HC}	(0/102)	
	OMEGA 2012-03-18T23:45:14.738_tpl.ab	CAL05	compl.	OK	omega_standard_star	STD	r_SDSS_1_1_normal_normal	OK	P LOG!	0.0+21.6	QC COVER	✓ _{HC}	(0/102)	
	OMEGA 2012-03-18T23:48:12.200_tpl.ab	CAL06	compl.	OK	omega_standard_star	STD	i_SDSS_1_1_normal_normal	OK	P LOG!	0.0+24.3	QC COVER	✓ _{HC}	(0/102)	
	OMEGA 2012-03-18T23:51:56.872_tpl.ab	CAL07	compl.	OK	omega_standard_star	STD	z_SDSS_1_1_normal_normal	OK	P LOG!	0.0+26.9	QC COVER	✗ _{HC}	(33/102)	
	OMEGA 2012-03-19T00:04:06.380_tpl.ab	CAL08	compl.	OK	omega_standard_star	STD	u_g_r_i_SDSS_1_1_normal_normal	OK	P LOG!	0.0+43.5	QC COVER	✗ _{HC}	(33/102)	
	OMEGA 2012-03-19T04:28:52.048_tpl.ab	CAL09	compl.	OK	omega_standard_star	STD	u_SDSS_1_1_normal_normal	OK	P LOG!	0.0+32.1	QC COVER	○ _{HC}	(5/102)	
	OMEGA 2012-03-19T04:35:33.073_tpl.ab	CAL10	compl.	OK	omega_standard_star	STD	g_SDSS_1_1_normal_normal	OK	P LOG!	0.0+20.2	QC COVER	○ _{HC}	(4/102)	
	OMEGA 2012-03-19T04:38:23.184_tpl.ab	CAL11	compl.	OK	omega_standard_star	STD	r_SDSS_1_1_normal_normal	OK	P LOG!	0.0+9.9	QC COVER	○ _{HC}	(4/81)	
	OMEGA 2012-03-19T04:41:23.486_tpl.ab	CAL12	compl.	OK	omega_standard_star	STD	i_SDSS_1_1_normal_normal	OK	P LOG!	0.0+24.6	QC COVER	○ _{HC}	(4/102)	
	OMEGA 2012-03-19T04:45:05.539_tpl.ab	CAL13	compl.	OK	omega_standard_star	STD	z_SDSS_1_1_normal_normal	OK	P LOG!	0.0+28.0	QC COVER	○ _{HC}	(3/102)	
	OMEGA 2012-03-19T04:48:42.850_tpl.ab	CAL14	compl.	OK	omega_standard_star	STD	NB_659_1_1_normal_normal	OK	P LOG!	0.0+3.3	...			
	OMEGA 2012-03-19T05:04:17.320_tpl.ab	CAL15	compl.	OK	omega_standard_star	STD	u_g_r_i_SDSS_1_1_normal_normal	OK	P LOG!	0.0+52.8	QC COVER	✗ _{HC}	(33/102)	
	OMEGA 2012-03-19T09:33:20.852_tpl.ab	CAL16	compl.	OK	omega_standard_star	STD	u_g_r_i_SDSS_1_1_normal_normal	OK	P LOG!	0.0+14.5	QC COVER	✗ _{HC}	(33/102)	
	OMEGA 2012-03-19T10:13:09.475_tpl.ab	CAL17	compl.	-1.0	omega_qcheck	QUICK_CHECK	r_SDSS_FFLS1_1_1_normal_normal	OK	P LOG	0.0+7.7	QC	✓ _{HC}	(0/66)	
	OMEGA 2012-03-19T10:15:18.467_tpl.ab	CAL18	compl.	OK	omega_readnoise	BIAS_READNOISE	1_1_normal_normal	OK	P LOG	0.0+5.0	QC	✓ _{HC}	(0/33)	
	OMEGA 2012-03-19T10:16:37.938_tpl.ab	CAL19	compl.	OK	omega_mbias	BIAS	1_1_normal_normal	OK	P LOG	0.0+24.8	QC COVER	○ _{HC}	(2/66)	
	OMEGA 2012-03-19T10:27:11.214_tpl.ab	CAL20	compl.	OK	omega_mdome	DOME	NB_659_FFLS1_1_1_normal_normal	OK	P LOG	0.0+37.1	QC COVER	✓ _{HC}	(0/99)	

[top](#)

last update: 2012-03-19 21:14:42 (LT) created by getStatusAB v2.3.1, a dfos tool

II. AB Monitor (Processing & QC Reports)

P... Product quality monitor (instrument: OMEGACAM, date: 2012-03-18)

*This is the product quality monitor, with an overview of the processing status of all processing jobs (ABs) and the quality of the products. The scoring of the products is more extensive than the scoring on the HC monitor. Those scores which are relevant for instrument health (marked 'HC') are propagated to the HC monitor. Here you also find scores related to pipeline processing and product quality. Click on the score report to see score details and other information for exploring data quality and trending.
For dates later than 2011-10-01 only calibrations are processed, no science data.*

last update: 2012-03-19 21:14:06 (UT); machine: **qc06** browser_refresh: **on** (every 10 sec | [stop](#) | [on](#)); tool_refresh: **on** (every 10 sec + runtime)

number of ABs (all | success | failed): **20 | 20 | 0** scored: 12; result: 14/1152
Splitting by detector: **YES**

[\[refresh\]](#) [CAL report NR](#) | [refs](#) | [\[recreate ABs\]](#) | [raw](#) | [score_investigate](#) | [comments: \[enter date comment\]](#) | [hide \(QC1_db\): date](#) | [raw](#) | [prod](#)

load: **1.03**
CONDOR: UP
Processing: 0

[HELP](#) | [\[config\]](#) | [DFOS](#)

Condor jobs for ocam@qc06:
2012-03-19 21:14:09
last DAG directory:
[/fastcache/qc/ocam/condor/OMEGA.2012-03-18T23:45:14.738_tpl.ab_1332146959347](#)
errors:
24825 [OMEGA.2012-03-18T23:45:14.738_tpl.ab.join.cmd.err](#)

dagman for ocam@qc06:
No job running.

Information on demand

Showing 1 to 20 of 20 ABs

Normal search: Enter a string or a combination of strings. Dependency search: Enter an INDEX and a delimiter for dependency search [\[more...\]](#).

For search, stop browser refresh: [stop](#) | [on](#)

BQS	AB NAME	INDEX	COMPL	AB LOG	RECIPE	RAW_TYPE	SETUP	AB STATUS	P LOG	T_EXEC	QC REPORT	SCO	RE	CERTIF
	OMEGA 2012-03-18T23:09:56.947_tpl.ab	CAL01	compl.	OK	omega_mflat	TWILIGHT	NB_659_1_1_normal_normal	OK	P LOG!	0.0+43.9	QC COVER	✓ _{HC}	(0/99)	
	OMEGA 2012-03-18T23:20:17.793_tpl.ab	CAL02	compl.	OK	omega_mflat	TWILIGHT	g_SDSS_1_1_normal_normal	OK	P LOG!	0.0+44.0	QC COVER	✓ _{HC}	(0/198)	
	OMEGA 2012-03-18T23:35:52.473_tpl.ab	CAL03	compl.	OK	omega_standard_star	STD	u_SDSS_1_1_normal_normal	OK	P LOG!	0.0+32.7	QC COVER	✓ _{HC}	(0/102)	
	OMEGA 2012-03-18T23:42:30.046_tpl.ab	CAL04	compl.	OK	omega_standard_star	STD	g_SDSS_1_1_normal_normal	OK	P LOG!	0.0+21.3	QC COVER	✓ _{HC}	(0/102)	
	OMEGA 2012-03-18T23:45:14.738_tpl.ab	CAL05	compl.	OK	omega_standard_star	STD	r_SDSS_1_1_normal_normal	OK	P LOG!	0.0+21.6	QC COVER	✓ _{HC}	(0/102)	
	OMEGA 2012-03-18T23:48:12.200_tpl.ab	CAL06	compl.	OK	omega_standard_star	STD	i_SDSS_1_1_normal_normal	OK	P LOG!	0.0+24.3	QC COVER	✓ _{HC}	(0/102)	
	OMEGA 2012-03-18T23:51:56.872_tpl.ab	CAL07	compl.	OK	omega_standard_star	STD	z_SDSS_1_1_normal_normal	OK	P LOG!	0.0+26.9	QC COVER	✗ _{HC}	(33/102)	
	OMEGA 2012-03-19T00:04:06.380_tpl.ab	CAL08	compl.	OK	omega_standard_star	STD	u_g_r_i_SDSS_1_1_normal_normal	OK	P LOG!	0.0+43.5	QC COVER	✗ _{HC}	(33/102)	
	OMEGA 2012-03-19T04:28:52.048_tpl.ab	CAL09	compl.	OK	omega_standard_star	STD	u_SDSS_1_1_normal_normal	OK	P LOG!	0.0+32.1	QC COVER	○ _{HC}	(5/102)	
	OMEGA 2012-03-19T04:35:33.073_tpl.ab	CAL10	compl.	OK	omega_standard_star	STD	g_SDSS_1_1_normal_normal	OK	P LOG!	0.0+20.2	QC COVER	○ _{HC}	(4/102)	
	OMEGA 2012-03-19T04:38:23.184_tpl.ab	CAL11	compl.	OK	omega_standard_star	STD	r_SDSS_1_1_normal_normal	OK	P LOG!	0.0+9.9	QC COVER	○ _{HC}	(4/81)	
	OMEGA 2012-03-19T04:41:23.486_tpl.ab	CAL12	compl.	OK	omega_standard_star	STD	i_SDSS_1_1_normal_normal	OK	P LOG!	0.0+24.6	QC COVER	○ _{HC}	(4/102)	
	OMEGA 2012-03-19T04:45:05.539_tpl.ab	CAL13	compl.	OK	omega_standard_star	STD	z_SDSS_1_1_normal_normal	OK	P LOG!	0.0+28.0	QC COVER	○ _{HC}	(3/102)	
	OMEGA 2012-03-19T04:48:42.850_tpl.ab	CAL14	compl.	OK	omega_standard_star	STD	NB_659_1_1_normal_normal	OK	P LOG!	0.0+3.3	...			
	OMEGA 2012-03-19T05:04:17.320_tpl.ab	CAL15	compl.	OK	omega_standard_star	STD	u_g_r_i_SDSS_1_1_normal_normal	OK	P LOG!	0.0+52.8	QC COVER	✗ _{HC}	(33/102)	
	OMEGA 2012-03-19T09:33:20.852_tpl.ab	CAL16	compl.	OK	omega_standard_star	STD	u_g_r_i_SDSS_1_1_normal_normal	OK	P LOG!	0.0+14.5	QC COVER	✗ _{HC}	(33/102)	
	OMEGA 2012-03-19T10:13:09.475_tpl.ab	CAL17	compl.	-1.0	omega_qcheck	QUICK_CHECK	r_SDSS_FFLS1_1_1_normal_normal	OK	P LOG	0.0+7.7	QC	✓ _{HC}	(0/66)	
	OMEGA 2012-03-19T10:15:18.467_tpl.ab	CAL18	compl.	OK	omega_readnoise	BIAS_READNOISE	1_1_normal_normal	OK	P LOG	0.0+5.0	QC	✓ _{HC}	(0/33)	
	OMEGA 2012-03-19T10:16:37.938_tpl.ab	CAL19	compl.	OK	omega_mbias	BIAS	1_1_normal_normal	OK	P LOG	0.0+24.8	QC COVER	○ _{HC}	(2/66)	
	OMEGA 2012-03-19T10:27:11.214_tpl.ab	CAL20	compl.	OK	omega_mdome	DOME	NB_659_FFLS1_1_1_normal_normal	OK	P LOG	0.0+37.1	QC COVER	✓ _{HC}	(0/99)	

BQS **AB NAME** **INDEX** **COMPL.** **AB LOG** **RECIPE** **RAW_TYPE** **SETUP** **AB STATUS** **P LOG** **T_EXEC** **QC REPORT** **SCORE** **CERTIF**

[top](#)

last update: 2012-03-19 21:14:42 (LT) created by getStatusAB v2.3.1, a dfos tool

II.AB Monitor (Processing & QC Reports)

Score report

OMEGA.2012-03-18T23:45:14.738_tpl.ab
 RAW_TYPE: STD
 setup: r_SDSS_1_1_normal_normal
 time range: 2011-09-21 ... 2012-03-19

[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.
 Grey squares: unscored parameter. The large orange square links to a dynamic plot for all detectors.
 Smaller squares link to AVG and RMS values (if configured).

qc_zero_point_electron [HC](#)

qc_delta_fwhm [HC](#)

qc_std_ellipticity [HC](#)

[explore](#) >>

HC plot(s): [standard_zero_points](#) | [standard_FWHM](#) | [standard_ellipticity](#)

1st QC report & coversheet: [QC](#) | [COVER](#)

Score data: [details...](#)

✓
score result: 0/102 best: 0/102

powered by QC [scoreQC v1.7]

2. Detector score report

The same scores, sorted per detector.

ESO_CCD_89	ESO_CCD_90	ESO_CCD_91	ESO_CCD_92	ESO_CCD_93	ESO_CCD_94	ESO_CCD_95	ESO_CCD_96		
ESO_CCD_81	ESO_CCD_82	ESO_CCD_83	ESO_CCD_84	ESO_CCD_85	ESO_CCD_86	ESO_CCD_87	ESO_CCD_88		
ESO_CCD_73	ESO_CCD_74	ESO_CCD_75	ESO_CCD_76	ESO_CCD_77	ESO_CCD_78	ESO_CCD_79	ESO_CCD_80	AVG	
ESO_CCD_65	ESO_CCD_66	ESO_CCD_67	ESO_CCD_68	ESO_CCD_69	ESO_CCD_70	ESO_CCD_71	ESO_CCD_72	RMS	

OMEGA.2012-03-19T10:13:09.475_tpl.ab	CAL17	compl.	-1.0	omega_qcneck	QUICK CHECK	r_SDSS_FFLS1_1_1_normal_normal	OK	P LOG	0.0+7.7	QC	✓	HC	(0/66)
OMEGA.2012-03-19T10:15:18.467_tpl.ab	CAL18	compl.	OK	omega_readnoise	BIAS READNOISE	1_1_normal_normal	OK	P LOG	0.0+5.0	QC	✓	HC	(0/33)
OMEGA.2012-03-19T10:16:37.938_tpl.ab	CAL19	compl.	OK	omega_mbias	BIAS	1_1_normal_normal	OK	P LOG	0.0+24.8	QC COVER	○	HC	(2/66)
OMEGA.2012-03-19T10:27:11.214_tpl.ab	CAL20	compl.	OK	omega_mdome	DOME	NB_659_FFLS1_1_1_normal_normal	OK	P LOG	0.0+37.1	QC COVER	✓	HC	(0/99)

load: 1.03
CONDOR: UP
Processing: 0

[HELP](#) | [\[config\]](#) | [DFOS](#)

Information on demand

STATUS	P LOG	T_EXEC	QC REPORT	SCO	RE	CERTIF
✓	P LOG!	0.0+43.9	QC COVER	✓	HC (0/99)	
✓	P LOG!	0.0+44.0	QC COVER	✓	HC (0/198)	
✓	P LOG!	0.0+32.7	QC COVER	✓	HC (0/102)	
✓	P LOG!	0.0+21.3	QC COVER	✓	HC (0/102)	
✓	P LOG!	0.0+21.6	QC COVER	✓	HC (0/102)	
✓	P LOG!	0.0+24.3	QC COVER	✓	HC (0/102)	
✓	P LOG!	0.0+26.9	QC COVER	✗	HC (33/102)	
✓	P LOG!	0.0+43.5	QC COVER	✗	HC (33/102)	
✓	P LOG!	0.0+32.1	QC COVER	○	HC (5/102)	
✓	P LOG!	0.0+20.2	QC COVER	○	HC (4/102)	
✓	P LOG!	0.0+9.9	QC COVER	○	HC (4/81)	
✓	P LOG!	0.0+24.6	QC COVER	○	HC (4/102)	
✓	P LOG!	0.0+28.0	QC COVER	○	HC (3/102)	
✓	P LOG!	0.0+3.3	...			
✓	P LOG!	0.0+52.8	QC COVER	✗	HC (33/102)	
✓	P LOG!	0.0+14.5	QC COVER	✗	HC (33/102)	
✓	P LOG!	0.0+7.7	QC	✓	HC (0/66)	
✓	P LOG!	0.0+5.0	QC	✓	HC (0/33)	
✓	P LOG!	0.0+24.8	QC COVER	○	HC (2/66)	
✓	P LOG!	0.0+37.1	QC COVER	✓	HC (0/99)	

II. AB Monitor (Pro)

Score report

OMEGA.2012-03-18T23:45:14.738_tpl.ab
 RAW_TYPE: STD
 setup: r_SDSS_1_1_normal_normal
 time range: 2011-09-21 ... 2012-03-19

[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.
 Grey squares: unscored parameter. The large orange square links to the parameter's details.
 Smaller squares link to AVG and RMS values (if configured).

qc_zeroelectron	qc_delta

HC plot(s): [standard_zeroelectron](#) | [standard_FWHM](#) | [standard...](#)

1st QC report & coversheet: [QC](#) | [COVER](#)

Score data: [details...](#)

✓ **score result: 0/102 best: 0/102**

2. Detector score report

The same scores, sorted per detector.

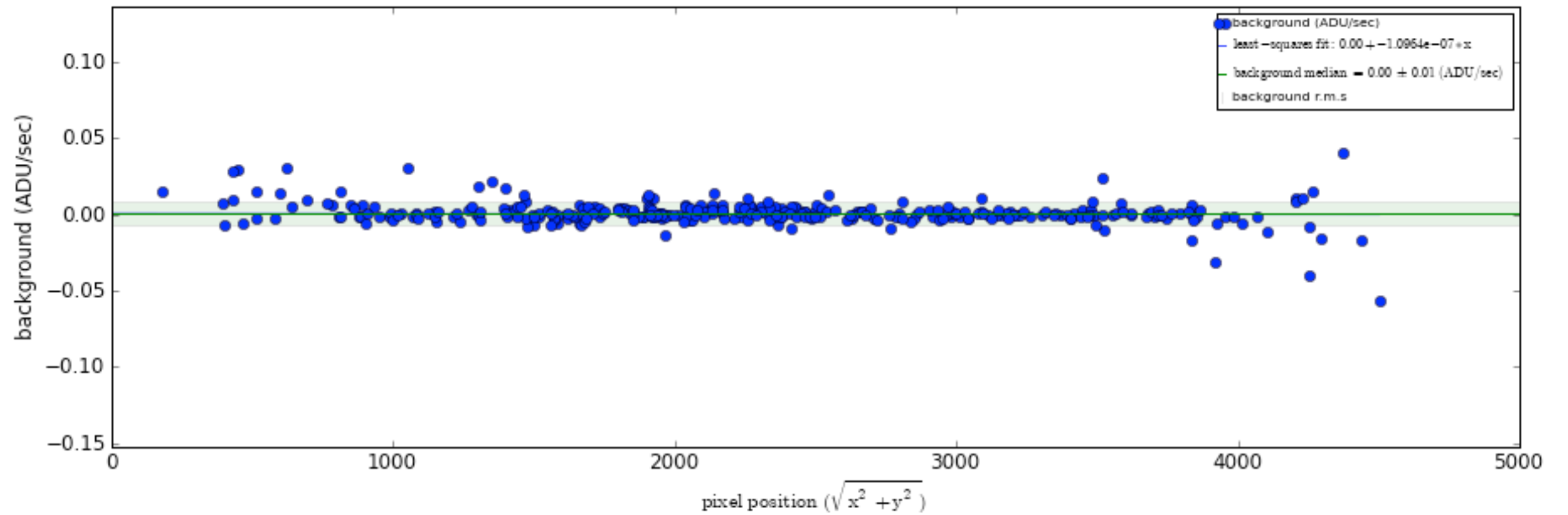
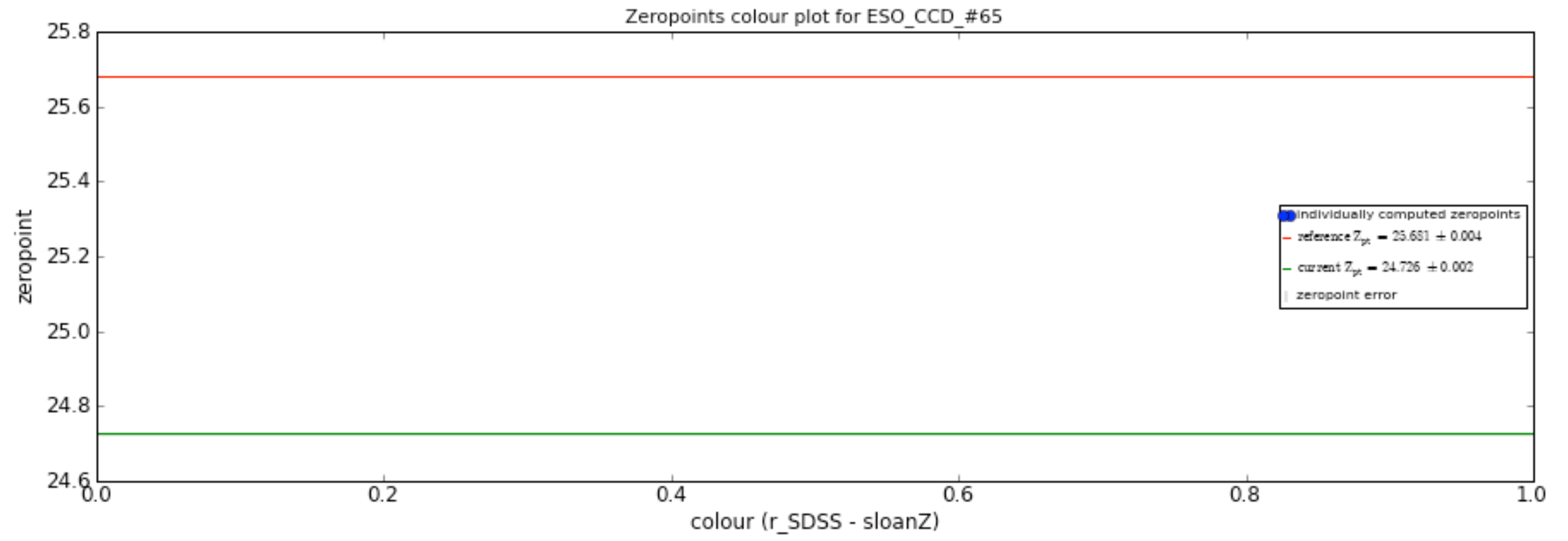
ESO_CCD_89	ESO_CCD_90	ESO_CCD_91	ESO_CCD_92
ESO_CCD_81	ESO_CCD_82	ESO_CCD_83	ESO_CCD_84
ESO_CCD_73	ESO_CCD_74	ESO_CCD_75	ESO_CCD_76
ESO_CCD_65	ESO_CCD_66	ESO_CCD_67	ESO_CCD_68

OMEGA.2012-03-19T10:13:09.475_tpl.ab	CAL17	compl.
OMEGA.2012-03-19T10:15:18.467_tpl.ab	CAL18	compl.
OMEGA.2012-03-19T10:16:37.938_tpl.ab	CAL19	compl.
OMEGA.2012-03-19T10:27:11.214_tpl.ab	CAL20	compl.

BQS	AB NAME	INDEX	COMPL.	AB LOG	RECIPE	RAW_TYPE	SETUP	AB STATUS	P LOG	T_EXEC	QC REPORT	SCORE	CERTIF
top													

2012-03-18 STD (r_SDSS / 1,1 / normal,normal) OMEGA.2012-03-18T23:45:14.738_tpl.ab EXT=1 (ESO_CCD_#65)

2012-03-18 STD (r_SDSS / 1,1 / normal,normal) OMEGA.2012-03-18T23:45:14.738_tpl.ab EXT=1 (ESO_CCD_#65)



created 2012-03-19 09:44:31 m.neeser

last update: 2012-03-19 21:14:42 (LT) created by getStatusAB v2.3.1, a dfos tool

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

III. Health Check Pages (summary of scores & links to plots)

[CAL](#) | [HC](#) | [refs](#) | [QC](#)

HealthCheck Monitor

[HOME](#) | [UsersGuide](#)

[ALL INSTRUMENTS](#)

OmegaCAM:

[score overview](#)

detector

[bias](#)

[dark](#)

[gain](#)

[linearity](#)

flats

[dome: quick-check](#)

[dome: raw flats](#)

[dome: master flats](#)

[twilight: raw flats](#)

[twilight: master flats](#)

standards

[zeropoints](#)

image quality

[STD fwhm](#)

[STD ellipticity](#)

Other HC:

OMEGACAM trending system: overview of scores

Last update: 2012-03-20T16:02:35 (UT)

General news:

OMEGACAM news: • 2012-02-22: It appears that the first data from the full evalso connection is now arriving in Garching!

OMEGACAM instrument score: ■ [>> red score comments ...](#) | [all comments ...](#)

HC navigation group	group score	report scores									
bias	■	BIAS_level	BIAS_readnoise	BIAS_hotpixels							
dark	■	dark									
gain	■	gain									
linearity	■	non-linearity	num_NL_pixels	linearity_minmax	FP_noise						
dome: __quick-check	■	QC_level_lamp1	QC_rms_lamp1	QC_level_lamp2	QC_rms_lamp2	QC_lev_select_CCDs					
dome: __raw_flats	■	DOME_raw_uSDSS	DOME_raw_gSDSS	DOME_raw_rSDSS	DOME_raw_iSDSS	DOME_raw_zSDSS	DOME_raw_BJOHN	DOME_raw_VJOHN			
dome: __master_flats	■	DOME_master_level	DOME_master_coldpix								
twilight: __raw_flats	■	TWILIGHT_raw_uSDSS	TWILIGHT_raw_gSDSS	TWILIGHT_raw_rSDSS	TWILIGHT_raw_iSDSS	TWILIGHT_raw_zSDSS	TWILIGHT_raw_BJOHN	TWILIGHT_raw_VJOHN			
twilight: __master_flats	■	TWILIGHT_master_level	TWILIGHT_master_badpix								
zeropoints	■	Zpt_uSDSS	Zpt_gSDSS	Zpt_rSDSS	Zpt_iSDSS	Zpt_zSDSS	Zpt_BJOHN	Zpt_VJOHN			
STD_fwhm	■	FWHM_uSDSS	FWHM_gSDSS	FWHM_rSDSS	FWHM_iSDSS	FWHM_zSDSS					
STD_ellipticity	■	ellip_uSDSS	ellip_gSDSS	ellip_rSDSS	ellip_iSDSS	ellip_zSDSS					

Where do these scores

III. Health Check Pages

CAL | HC | refs | QC

HealthCheck Monitor

HOME | UsersGuide

ALL INSTRUMENTS

OmegaCAM:

score overview

detector

bias

dark

gain

linearity

flats

dome: quick-check

dome: raw flats

dome: master flats

twilight: raw flats

twilight: master flats

standards

zeropoints

image quality

STD fwhm

STD ellipticity

Other HC:

UT1

CRIRES

FORS2

UT2

FLAMES/GIRAFFE

UVES&FLAMES/UVES

X-SHOOTER

UT3

ISAAC

VIMOS

VISIR

UT4

HAWK-I

NACO

SINFONI

VLT1

AMBER

MIDI

Survey Cameras

OMEGACAM

VIRCAM

General monitoring:

Image Quality

Extinction

Sky Background

CAL | HC | refs | QC

HealthCheck Monitor

HOME | UsersGuide

ALL INSTRUMENTS

OmegaCAM:

score overview

detector

bias

dark

gain

linearity

flats

dome: quick-check

dome: raw flats

dome: master flats

twilight: raw flats

twilight: master flats

standards

zeropoints

image quality

STD fwhm

STD ellipticity

Other HC:

UT1

CRIRES

FORS2

UT2

FLAMES/GIRAFFE

UVES&FLAMES/UVES

X-SHOOTER

UT3

ISAAC

VIMOS

VISIR

UT4

HAWK-I

NACO

SINFONI

VLT1

AMBER

MIDI

Survey Cameras

OMEGACAM

VIRCAM

General monitoring:

Image Quality

Extinction

Sky Background

[page auto-refreshes after 300 sec] [stop | on] [press Ctrl+R to enforce refresh of scores and dates]

OMEGACAM trending system: HEALTH CHECK report

Last update: 2012-03-20T02:03:00 (UT) (0d 14h:19m ago) | now: 2012-03-20T16:22:19 (UT) [HELP](#) [USERS GUIDE](#) [MORE](#)

same group: BIAS_level BIAS_readnoise BIAS_hotpixels

General news:

OMEGACAM news: ● 2012-02-22: It appears that the first data from the full evalso connection is now arriving in Garching!

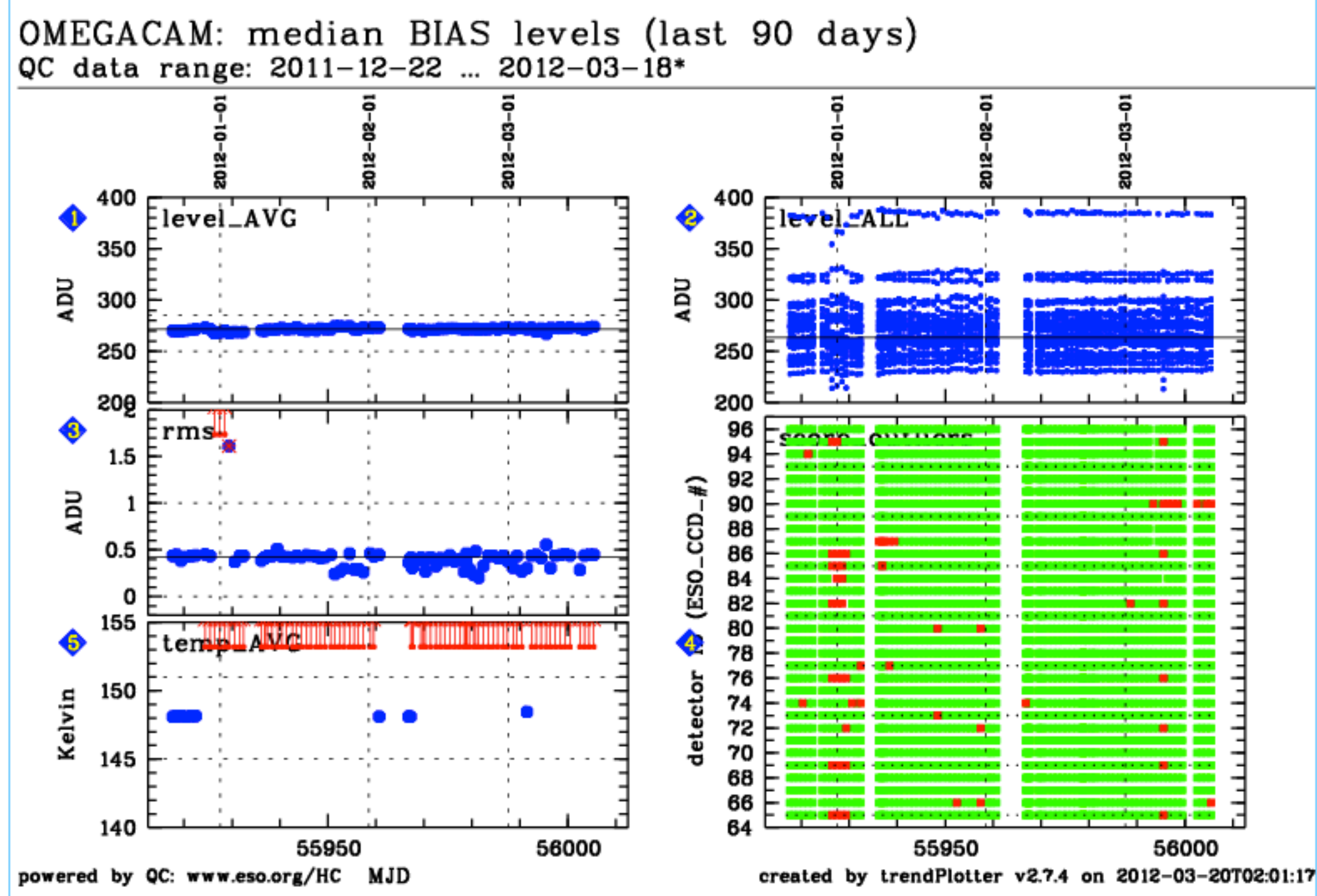
Report news: OmegaCAM temperature probe keywords no longer exist. Until fixed, temp_AVG can be ignored.

DATE*: [?]	2012-03-13	2012-03-14	2012-03-15	2012-03-16	2012-03-17	2012-03-18	2012-03-19	no OPSLOG data
	report NR	report NR	report NR	report NR	report NR	report NR	report NR	

Product quality: [products](#) [products](#) [products](#) [products](#) [products](#) [products](#) [products](#)

[scores&comments](#) | [history ...](#) | [plot tutorial ...](#) | [contact](#) ● daily/often; important to check [?]

*Date on this monitor changes at 21:00 UT



Live: Health Check Plots OmegaCAM

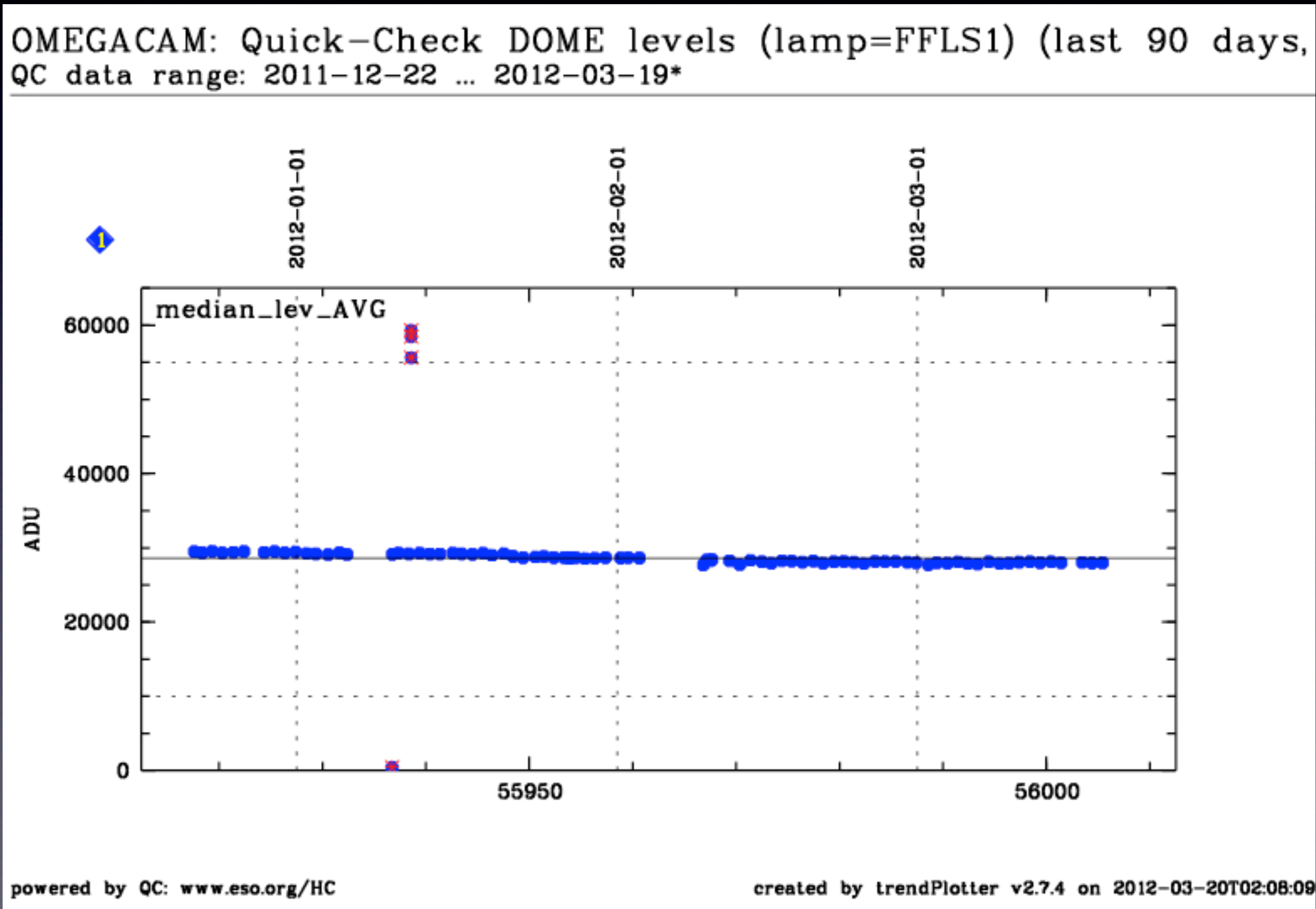
QC Issues that warrant discussion:

QC Issues:

I. Declining efficiency

Visible in Health Check Plots of Dome Flat Quick Checks show decline in flux level of about 5% (~1k ADU in 2.5 months).

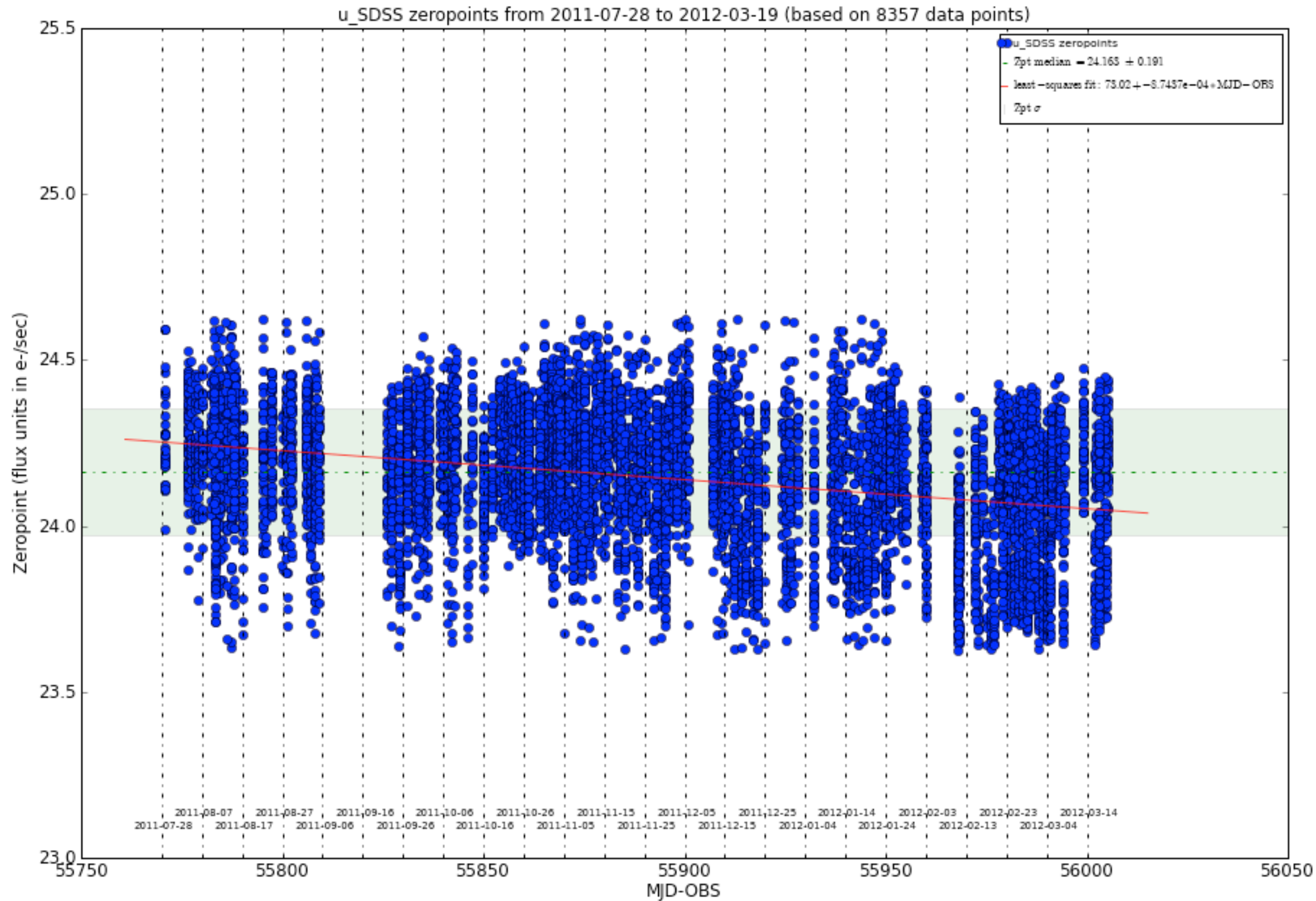
http://www.eso.org/observing/dfo/quality/OMEGACAM/reports/HEALTH/trend_report_DOME_QC_level_lampI_HC.html



QC Issues:

I. Decrease in efficiency also evident in standard star zeropoints

OmegaCAM Standard Star Zeropoints u_{SDSS} : for the 234.23 days spanned by the data this is a decline of 0.2048 magnitudes (8.74×10^{-4} magnitudes/day)

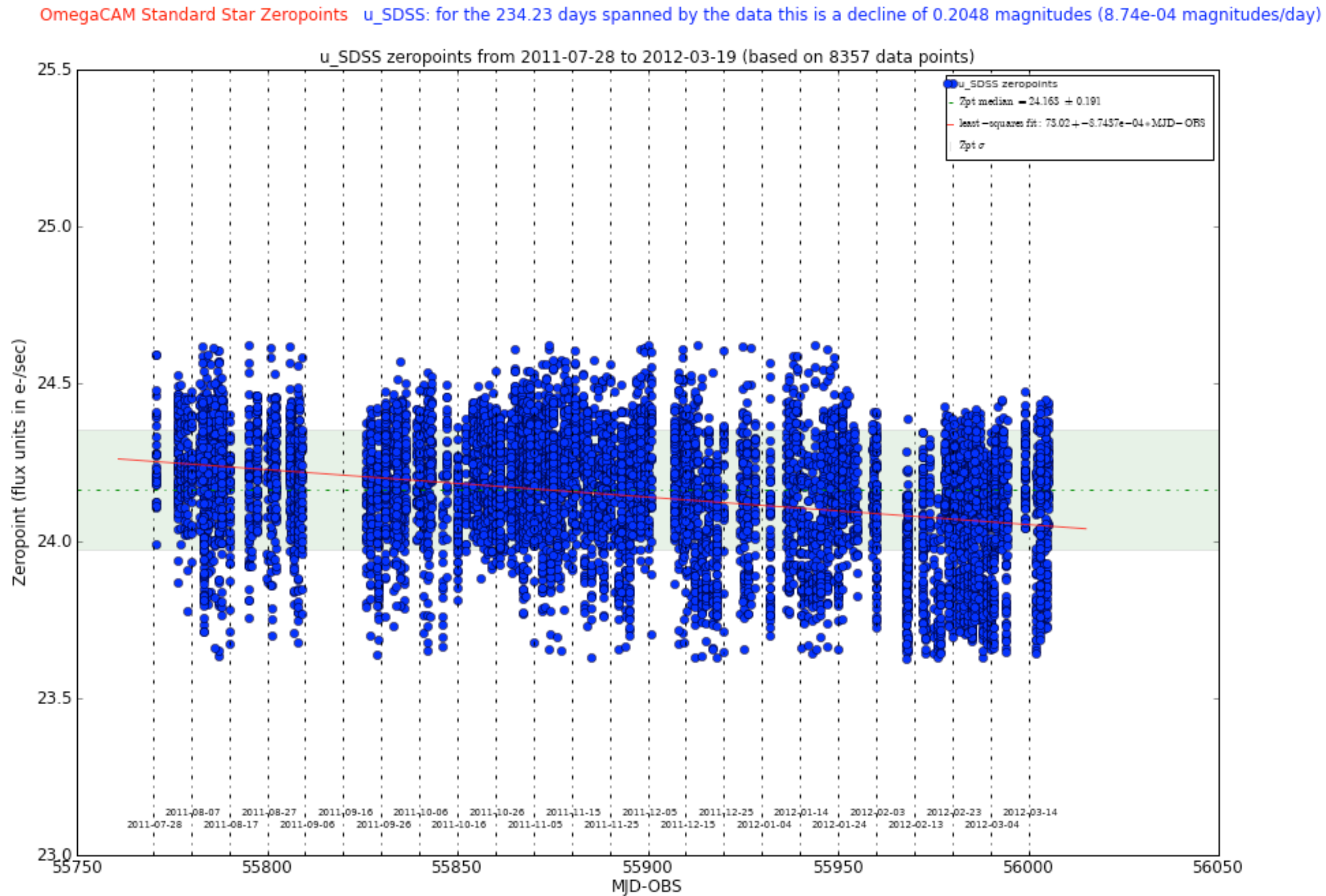


created 2012-03-20 10:24:27 m.neeser

QC Issues:

I. Decrease in efficiency also evident in standard star zeropoints

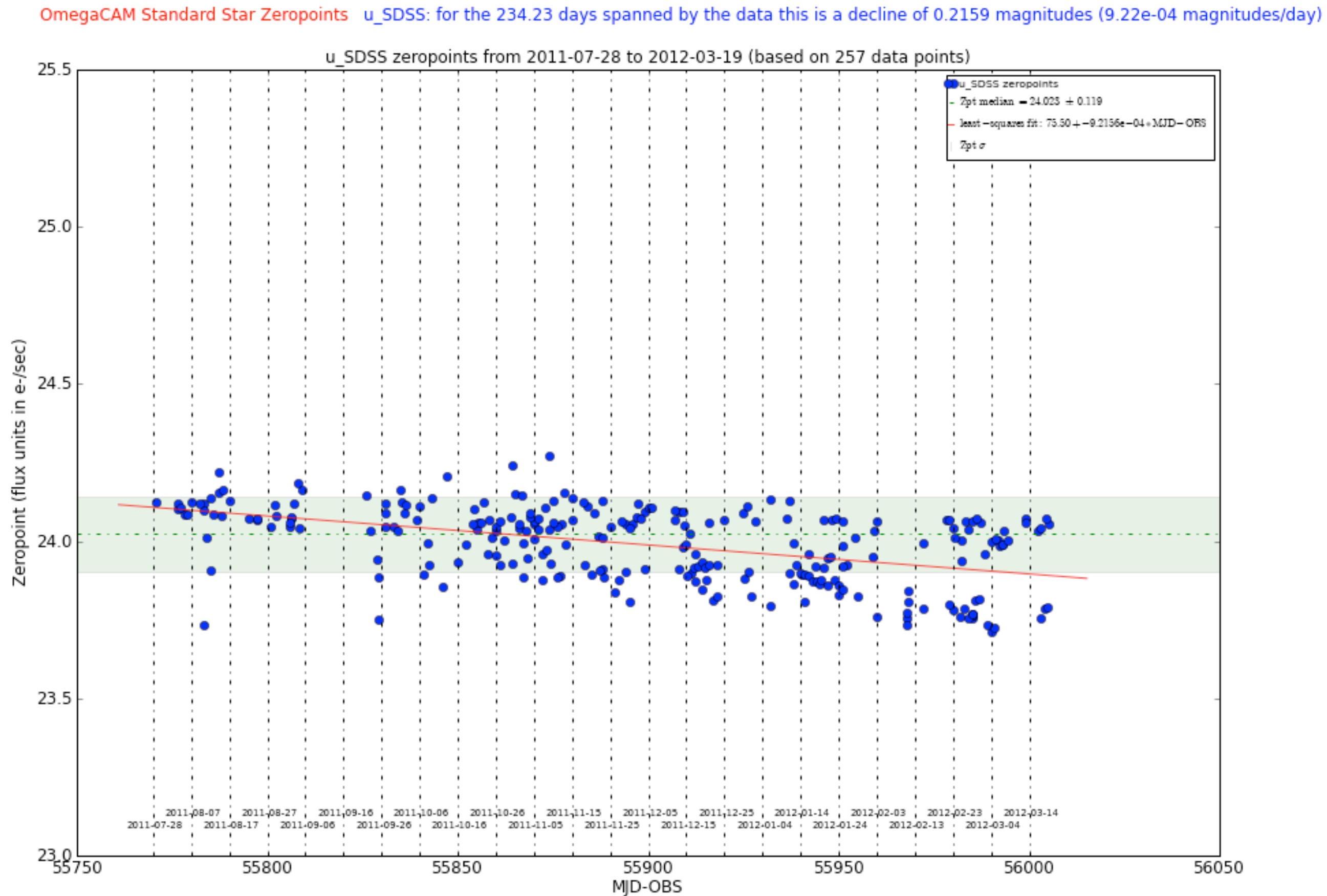
plots of average and individual detector zeropoints show similar decay



QC Issues:

I. Decrease in efficiency also evident in standard star zeropoints

plots of average and individual detector zeropoints show similar decay



Individual detector
(ESO_CCD_#76)

QC Issues:

I. Decrease in efficiency as compared with FORSI

Filter	OmegaCAM Δ efficiency (mag/day)	OmegaCAM Δ efficiency (mag/year)	FORS Δ efficiency (mag/year)
u_SDSS	6.02×10^{-4}	0.220	0.132 (U-JOHN)
g_SDSS	2.72×10^{-4}	0.099	0.108 (B-JOHN) 0.081 (V-JOHN)
r_SDSS	3.00×10^{-4}	0.109	0.083 (R-JOHN)
i_SDSS	2.08×10^{-4}	0.076	0.053 (I-JOHN)
z_SDSS	1.54×10^{-4}	0.056	---

← largest discrepancy
evident in u-band

QC Issues:

2. Overlap between secondary standard star source catalogue and standard star fields can be sparse.

QC Issues:

2. Overlap between secondary standard star source catalogue and standard star fields can be sparse.

- results in very limited zeropoint coverage for many fields

- no coverage of ugri_SDSS polar field

- continued improvement via consortium delivered standard catalogue.

Score report [HELP](#)

OMEGA.2012-02-15T01:25:56.841_tpl.ab
RAW_TYPE: STD
setup: z_SDSS_1_1_normal_normal
time range: 2011-08-31 ... 2012-02-27

[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.
Grey squares: unscored parameter. The large orange square links to a dynamic plot for all detectors.
Smaller squares link to AVG and RMS values (if configured).

qc_zeropoint_electron HC	qc_delta_fwhm HC	qc_std_ellipticity HC

[explore >>](#)

HC plot(s): [standard_zeropoints](#) | [standard_FWHM](#) | [standard_ellipticity](#)

1st QC report & coversheet: [QC](#) | [COVER](#)

Score data: [details...](#)

X score result: 28/102 best: 0/102

powered by QC [scoreQC v1.7]

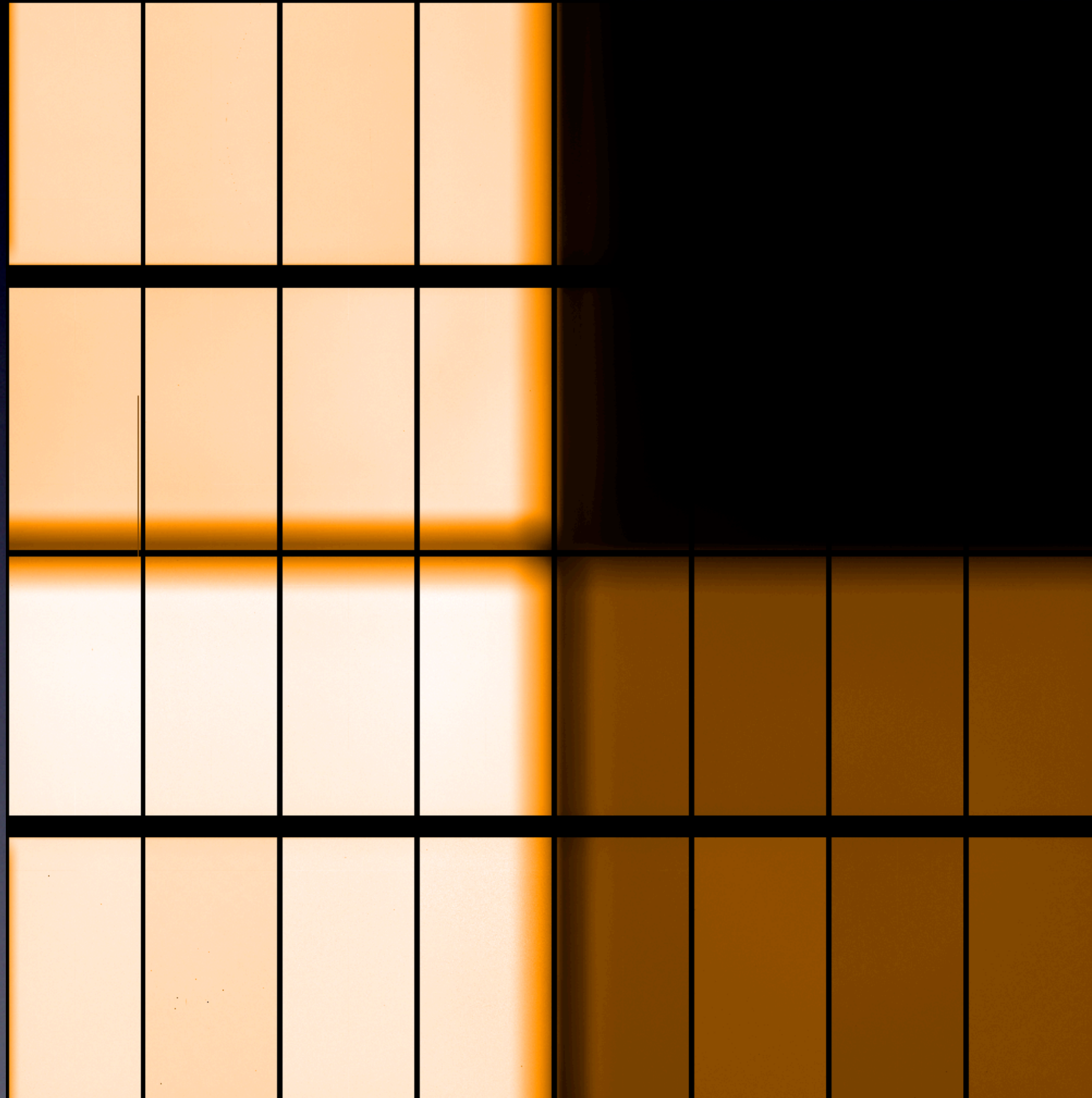
2. Detector score report

The same scores, sorted per detector.

ESO_CCD_89	ESO_CCD_90	ESO_CCD_91	ESO_CCD_92	ESO_CCD_93	ESO_CCD_94	ESO_CCD_95	ESO_CCD_96	
ESO_CCD_81	ESO_CCD_82	ESO_CCD_83	ESO_CCD_84	ESO_CCD_85	ESO_CCD_86	ESO_CCD_87	ESO_CCD_88	
ESO_CCD_73	ESO_CCD_74	ESO_CCD_75	ESO_CCD_76	ESO_CCD_77	ESO_CCD_78	ESO_CCD_79	ESO_CCD_80	AVG
ESO_CCD_65	ESO_CCD_66	ESO_CCD_67	ESO_CCD_68	ESO_CCD_69	ESO_CCD_70	ESO_CCD_71	ESO_CCD_72	RMS

QC Issues:

3. Polar field u_g_r_i_SDSS composite filter dome flats have essentially zero flux in u-band quadrant.



==> barely 100-200 ADU above bias level

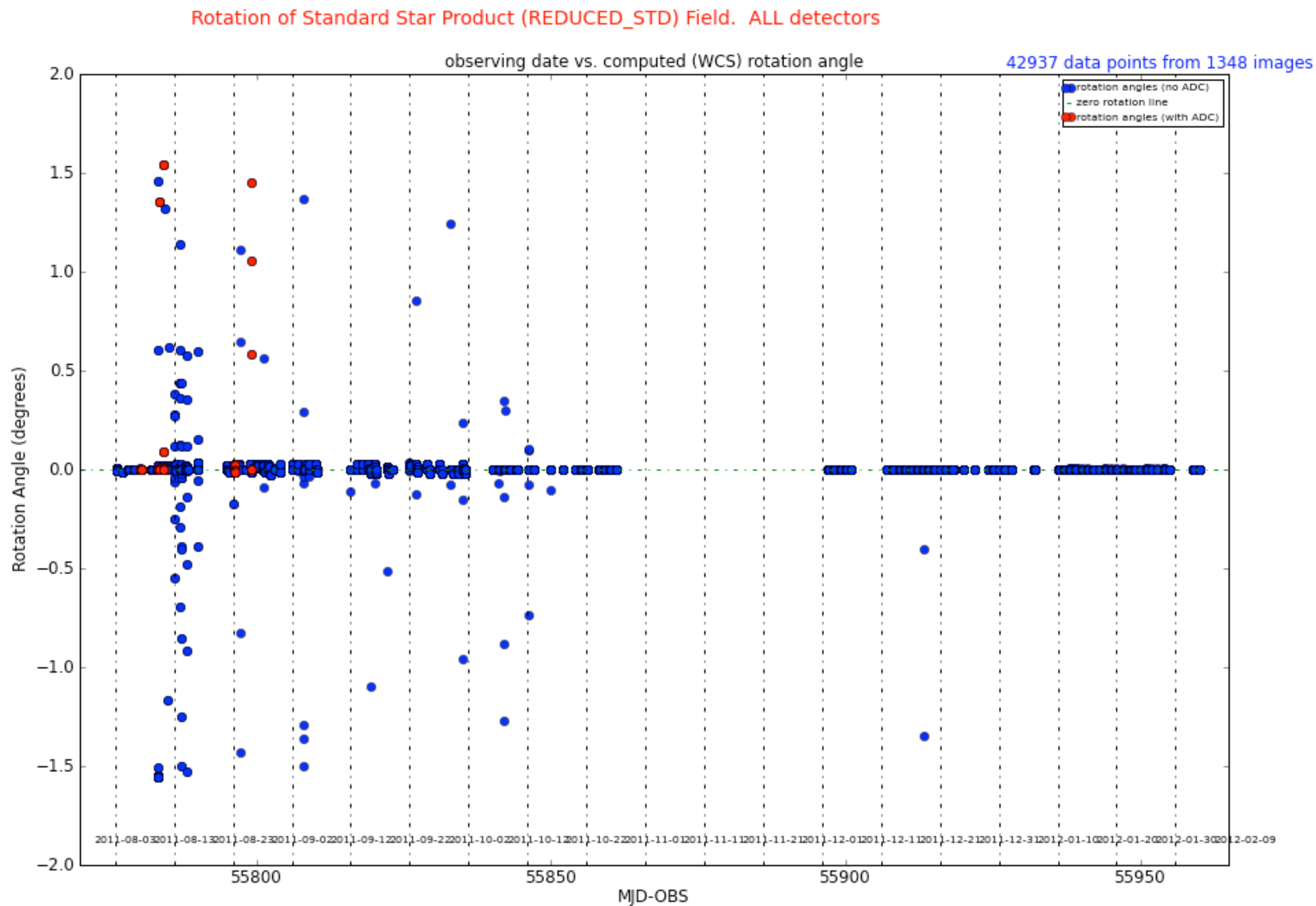
QC Issues:

4. Illumination correction:

- preliminary document received from consortium (30 Dec. 2011)
- converting this to an operational calibration procedure (template) and calibration plan.

QC Issues:

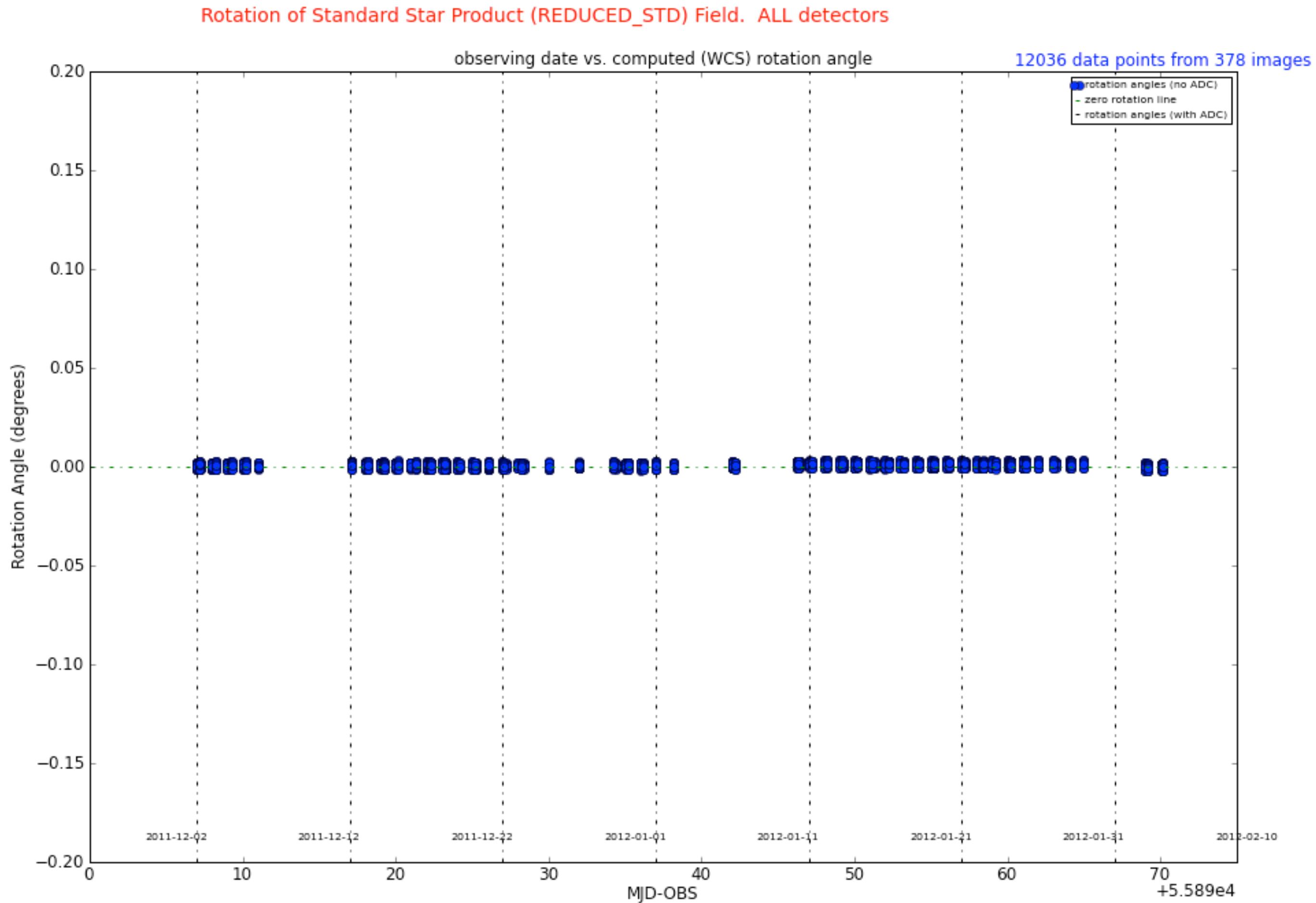
5. Field rotation jumps are no longer seen in OmegaCAM data



created 2012-02-28 13:08:39 m.neeser

QC Issues:

5. Field rotation jumps are no longer seen in OmegaCAM data



created 2012-02-28 12:13:23 m.neeser

the end