

GOME-2 Metop-A

NRT Quality Monitoring of the GOME-2 FM3 Instrument and Level 1A,B products

Daily report

Start orbit 0 Issue date 2019-08-06 04:32:08
 End orbit 0 Temporal coverage 2019-08-05 00:00:00 2019-08-05 23:59:59

NAME	RECORD	FIELD	TH	VALUE	STATUS	ACTION
CAT1 Mode summary						
Nadir scans	SPHR	N_NADIR_SCAN	-	0	nominal	-
North pole scans	SPHR	N_NTH_POLE_SCAN	-	0	nominal	-
South pole scans	SPHR	N_STH_POLE_SCAN	-	0	nominal	-
Other scans	SPHR	N_OTHER_SCAN	-	0	nominal	-
Static nadir scans	SPHR	N_NADIR_STATIC	-	0	nominal	-
Other static scans	SPHR	N_OTHER_STATIC	-	0	nominal	-
Dark MDRs	SPHR	N_DARK	-	0	nominal	-
LED MDRs	SPHR	N_LED	-	0	nominal	-
WLS MDRs	SPHR	N_WLS	-	0	nominal	-
SLS MDRs	SPHR	N_SLS	-	0	nominal	-
SLS/Diffuser MDRs	SPHR	N_SLS_DIFF	-	0	nominal	-
Sun MDRs	SPHR	N_SUN	-	0	nominal	-
Moon MDRs	SPHR	N_MOON	-	0	nominal	-
Idle MDRs	SPHR	N_IDLE	-	0	nominal	-
Test MDRs	SPHR	N_TEST	-	0	nominal	-
Dump MDRs	SPHR	N_DUMP	-	0	nominal	-
Invalid MDRs	SPHR	N_INVALID	138	0	nominal	-
CAT2 Product critical monitoring results						
Missing scans	SPHR	N_MISSING_SCANS	1	0	nominal	-
Mean intensity below threshold	SPHR	N_MIN_INTENSITY	2	0	nominal	-
Obs.mode - geolocation mismatch	SPHR	N_MODE_GEOLOCATION	1	0	nominal	-
Invalid UTC time	SPHR	N_INV_UTC	1	0	nominal	-
Non-nominal detector temperature	SPHR	N_NN_DETECTOR_TEMP	1	0	nominal	-
CAT3 Quality critical monitoring results						
Total scans	SPHR	N_SCANS	-	0	nominal	-
Valid with missing datapackets	SPHR	N_VALID_WITH_MISS_DP	1	0	nominal	-
Total missing datapackets	SPHR	N_MISS_DP	1	0	nominal	-
Saturated	SPHR	N_SATURATED	2	0	nominal	-
Hot	SPHR	N_HOT	240	0	nominal	-
Non-nominal PDP temperature	SPHR	N_NN_PDP_TEMP	1	0	nominal	-
Non-nominal radiator temperature	SPHR	N_NN_RAD_TEMP	1	0	nominal	-
Non-nominal WLS voltage	SPHR	N_NN_WLS_U	3	0	nominal	-
Non-nominal WLS current	SPHR	N_NN_WLS_I	3	0	nominal	-
Non-nominal SLS voltage	SPHR	N_NN_SLS_U	2	0	nominal	-
Non-nominal SLS current	SPHR	N_NN_SLS_I	2	0	nominal	-
CAT4 Product quality critical monitoring results						
Old calibration data	MDR_1A/B	PCD_BASIC.F_OLD_CAL_DATA	1	0	nominal	-
Missing Stokes fractions	SPHR	N_MISS_STOKES	300..	0	nominal	-
Bad Stokes fractions	SPHR	N_BAD_STOKES	700..	0	nominal	-
Dark mean above threshold	VIADR-1a-Dark	PCD_DARK.F_AV_DARK	1	0	nominal	-
Dark noise above threshold	VIADR-1a-Dark	PCD_DARK.F_AV_DARK_NOISE	5	0	nominal	-
Missing dark	VIADR-1a-Dark	PCD_DARK.F_AV_DARK_MISS	5	0	nominal	-
Backup PPG algorithm	VIADR-1a_PPG	PCD_PPG_BACK	1	0	nominal	-
Mean PPG exceeds threshold	VIADR-1a_PPG	PCD_PPG.F_AV_PPG	1	0	nominal	-
PPG stddev exceed threshold	VIADR-1a_PPG	PCD_PPG.F_STDDEV_PPG	1	0	nominal	-
Missing LED	VIADR-1a_PPG	PCD_PPG.PCD_F_PPG_MISS	1	0	nominal	-
SLS missing	VIADR-1a_PPG	PCD_F_SPEC_MISS	1	0	nominal	-
Not enough spectral lines	VIADR-1a-SPEC	PCD_SPEC_N_LINES	1	0	nominal	-
SLS low voltage	SPA-1a-Hk	SLS_U_MAX	1	0	nominal	-
Line deviation above threshold	VIADR-1a-SPEC	PCD_SPEC_MAX_LINE_DEV	1	0	nominal	-
PMD speccal not converged	VIADR-1a-SPEC	PCD_SPEC_F_NO_CONVERGEN..	1	0	nominal	-
PMD speccal low goodness-of-fit	VIADR-1a-SPEC	PCD_SPEC_F_GOF	1	0	nominal	-
Backup Etalon algorithm	VIADR-1a_ETAL..	ETALON_BACK	1	0	nominal	-
Eta_res above threshold	VIADR_1a_ETA..	PCD_F_AV_ETALON	1	0	nominal	-
Eta_res. dev. above threshold	VIADR_1a_ETA..	PCD_F_STDDEV_ETALON	1	0	nominal	-
Eta_cpgg above threshold	VIADR_1a_ETA..	PCD_F_AV_RESIDUAL	1	0	nominal	-
Eta_sigma_cpgg above threshold	VIADR_1a_ETA..	PCD_F_STDDEV_RESIDUAL	1	0	nominal	-
Missing Etalon	VIADR_1a_ETA..	PCD_ETALON.F_ETALON_MISS	1	0	nominal	-
Missing SUN	VIADR-SMR	PCM_SMR_MISS	1	0	nominal	-
Too few scans for SMR	VIADR-SMR	PCD_SMR.F_N_INTENSITY	1	0	nominal	-

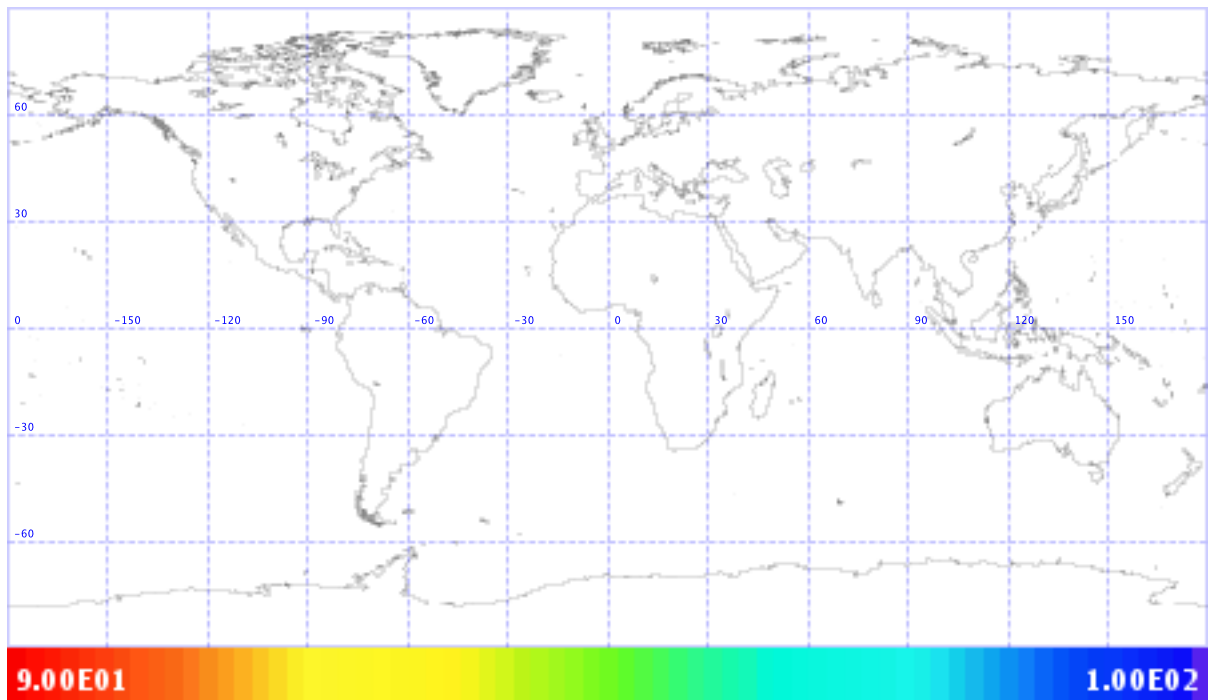
[AD1] EPS Programme - Near real time monitoring and quality control of GOME 2 L1 and onboard processing; EPS.OPS.DOC.06.1396

[AD2] EPS Programme Status Report GOME2 - Product Processing from PPF version 3; EPS.OPS.DOC.06.0360

S: Solution required immediately
 E: Evaluate (no immediate action needed, evaluation required)
 M: Monitor incidence (no immediate action needed, wait for other occurrences)

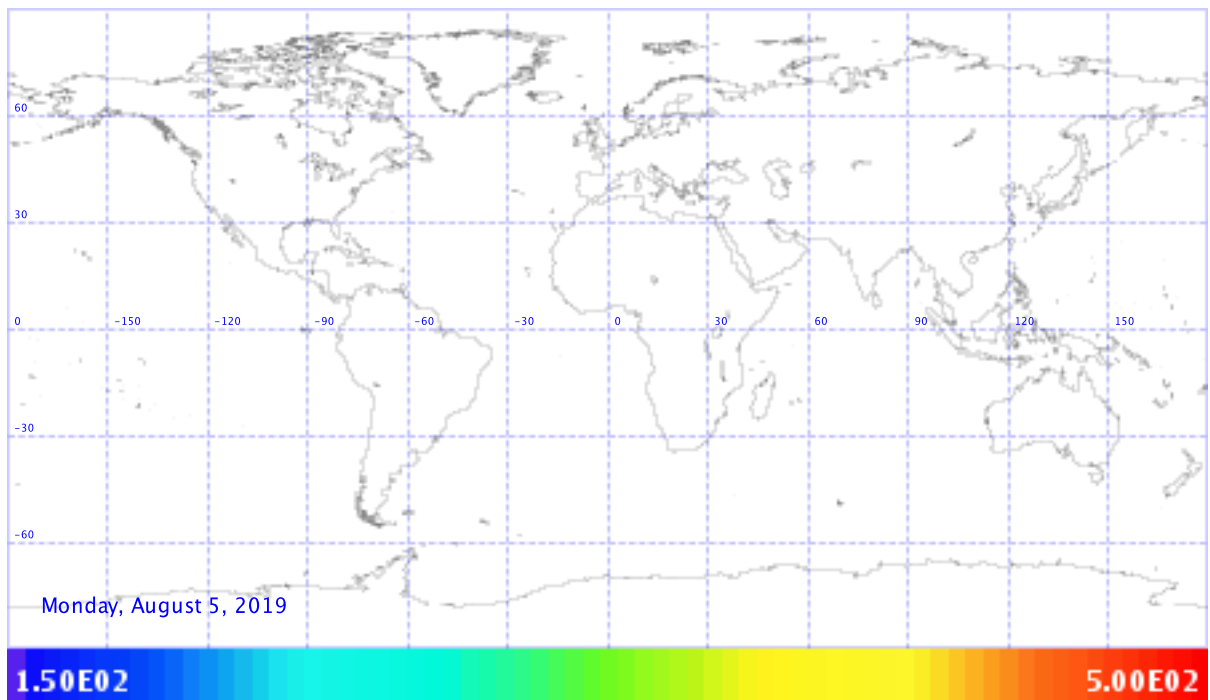
Product quality

2019-08-05 00:00:00 2019-08-05 23:59:59



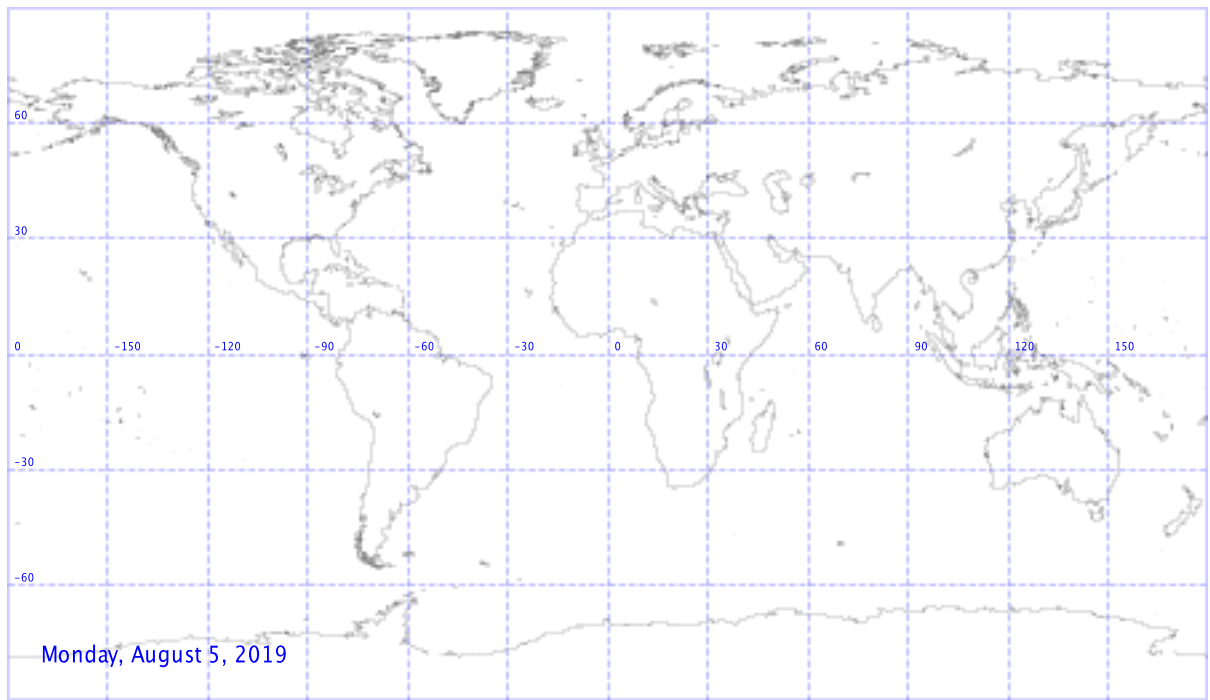
Ozone line ratio

2019-08-05 00:00:00 2019-08-05 23:59:59



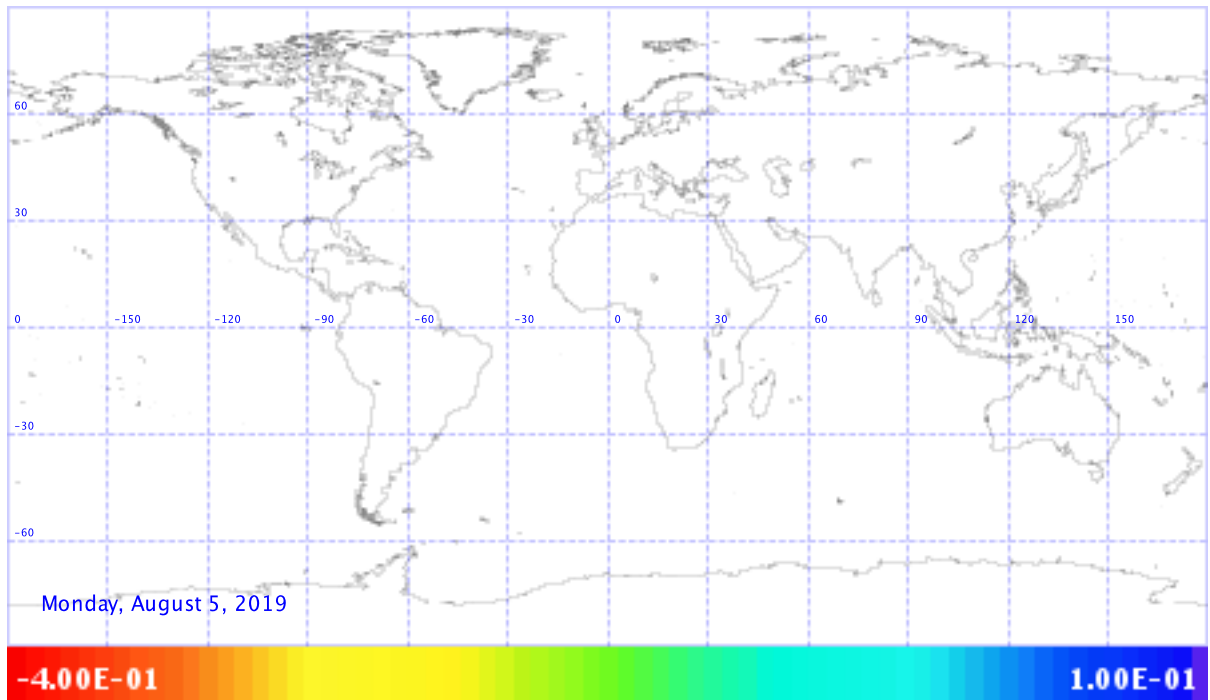
False colour image

2019-08-05 00:00:00 2019-08-05 23:59:59



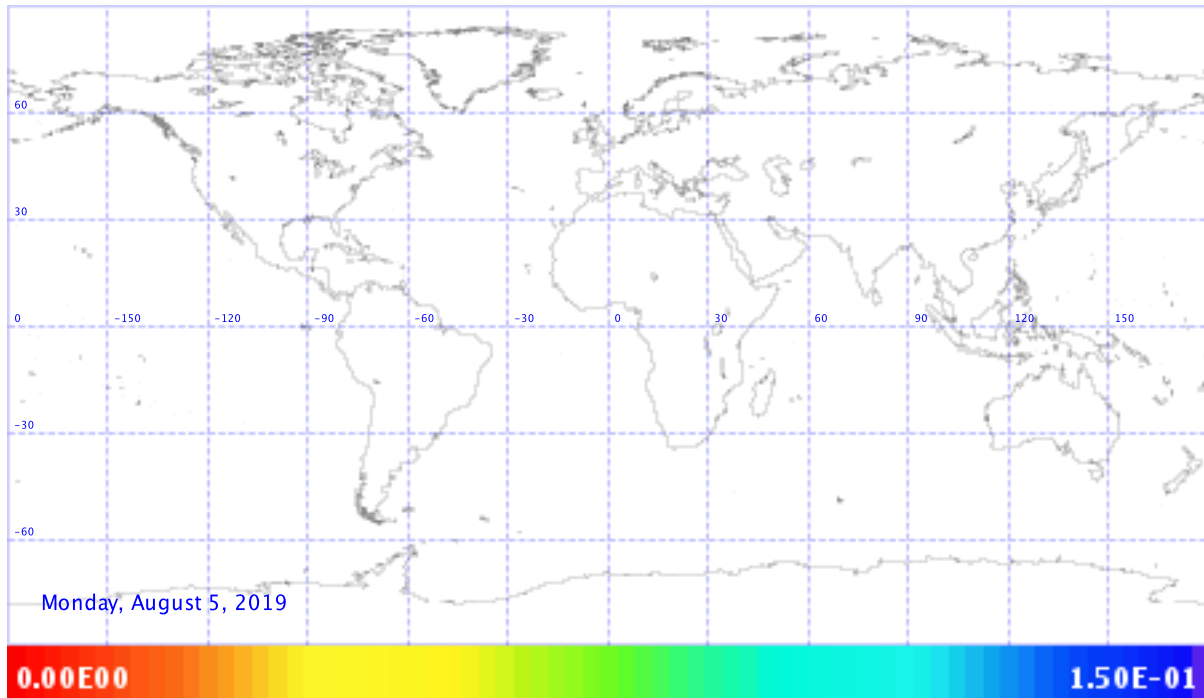
NDVI proxy

2019-08-05 00:00:00 2019-08-05 23:59:59



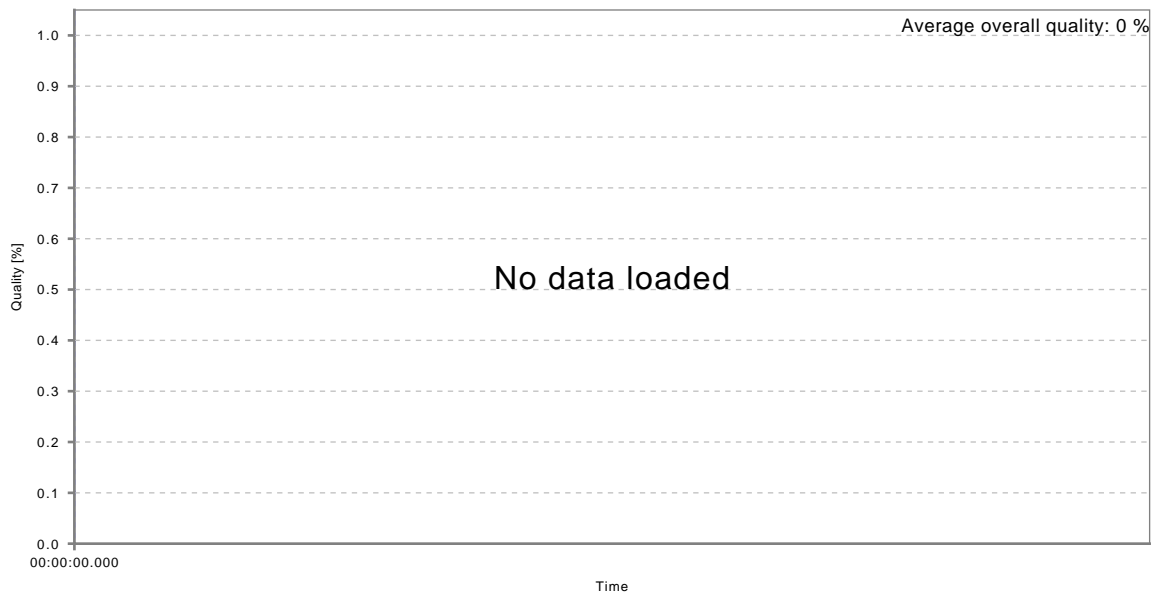
Near-Infrared

2019-08-05 00:00:00 2019-08-05 23:59:59



Product quality indicator

1970-01-01 00:00:00 1970-01-01 00:00:00



- Overall quality (CAT 2-4)
- Dark correction quality
- PPG correction quality
- Etalon correction quality
- SpecCal quality
- SMR quality

Reflectance (Sahara)

- -

No data loaded

Reflectance (Pacific)

- -

No data loaded

Reflectance (Greenland)

- -

No data loaded

Earth Stokes fractions

- -

No data loaded

Sun Stokes fractions

- -

No data loaded

Dark correction FPA

- -

No data loaded

Dark signal PMD (raw)

- -

No data loaded

Dark signal PMD (band)

- -

No data loaded

LED Mean (FPA) - -

No data loaded

LED Mean (PMD) - -

No data loaded

PPG FPA

- -

No data loaded

PPG PMD

- -

No data loaded

WLS mean (FPA)

- -

No data loaded

WLS Mean (PMD)

- -

No data loaded

Etalon correction FPA

- -

No data loaded

Etalon correction PMD

- -

No data loaded

SLS mean / stddev

-

-

No data loaded

SLS Mean (PMD)

-

-

No data loaded

Lambda shift wrt. keydata (FPA) - -

No data loaded

Lambda shift wrt. key data (PMD) - -

No data loaded

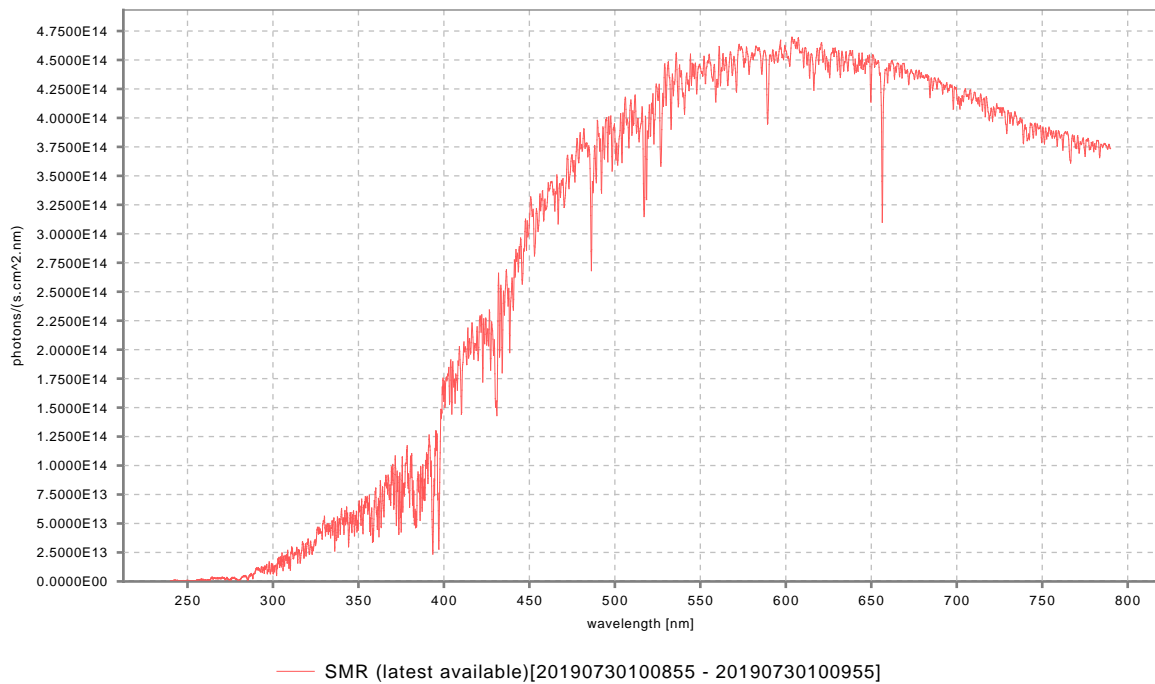
Fitted shifts (Fraunhofer)

2019-07-30 10:08:55 2019-07-30 10:09:55



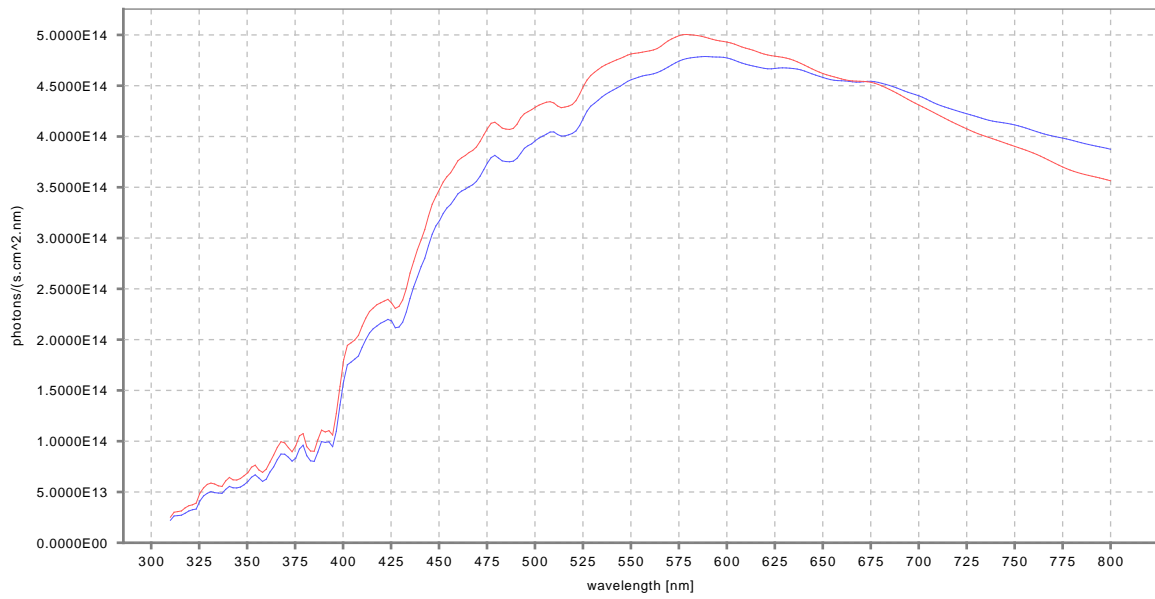
SMR FPA

2019-07-30 10:08:55 2019-07-30 10:09:55



SMR PMD

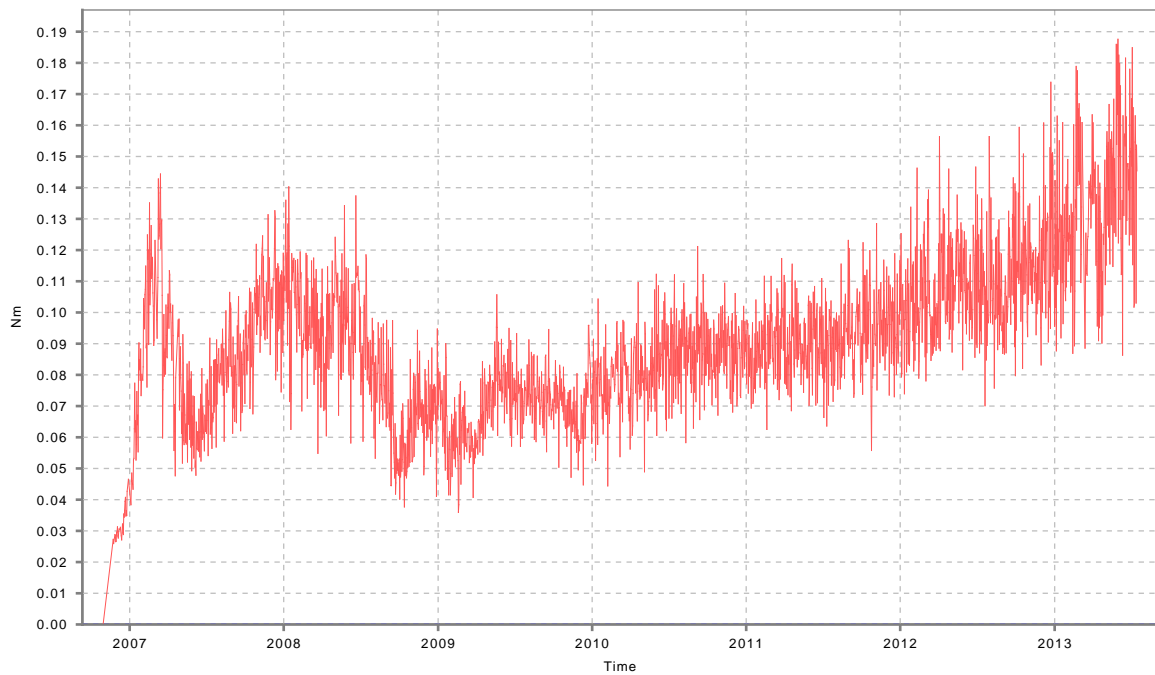
2019-07-30 10:08:55 2019-07-30 10:09:55



- PMD-P (latest available)[20190730100855 - 20190730100955]
- PMD-S (latest available)[20190730100855 - 20190730100955]

Scan motor torque statistics

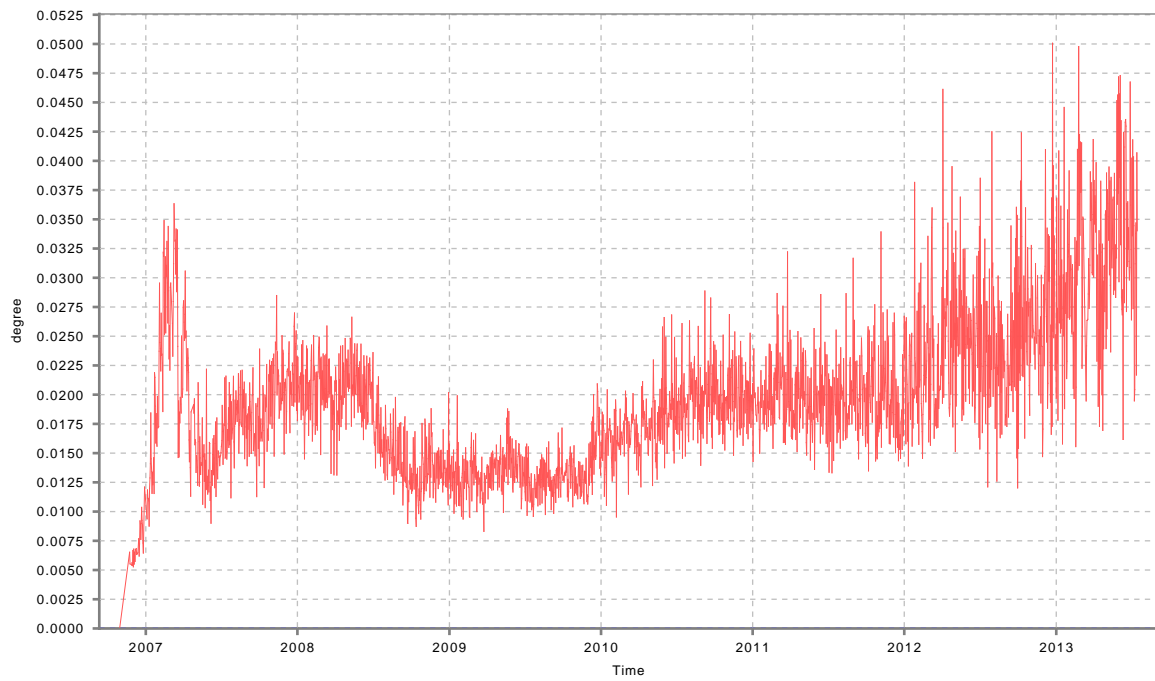
2006-09-11 00:00:00 2013-09-02 00:00:00



Torque profile

Scan mirror pos statistics

2006-09-11 00:00:00 2013-09-02 00:00:00



Scan mirror position

Input data gaps

2019-08-05 00:00:00 2019-08-05 23:59:59

