

GOME Daily Report

INDEX

1. [General Info](#)
 - 1.1 [Report Summary](#)
 - 1.2 [List of received products](#)
 - 1.3 [List of data gaps](#)
 - 1.4 [List of missing products](#)
 - 1.5 [List of corrupted products](#)
2. [Instrument Indicators and Daily Plots](#)
 - 2.1 [Instrument Indicators Status](#)
 - 2.2 [Daily Plots](#)
3. [Instrument Calibration](#)
 - 3.1 [Solar Calibration \(daily/TST44\)](#)
 - 3.2 [Lamp Calibration \(quarterly/TST44\)](#)
4. [Instrument Anomalies](#)
 - 4.1 [Single Event Upset \(SEU\)](#)
 - 4.2 [Instrument Off](#)
 - 4.3 [Cooler Switchings](#)
5. [Instrument Operations](#)
 - 5.1 [Timeline Interruptions](#)
 - 5.2 [TST44](#)
 - 5.3 [Power Cycle](#)
 - 5.4 [Wrong Command Execution](#)
 - 5.5 [Narrow Swath Timeline](#)
 - 5.6 [Seasonal Operations](#)

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	07-APR-2011
Start Time of First Product	23:49:27 (06-Apr)
Stop Time of Last Product	23:39:58
Number of EGOI Products analysed	32
Number of corrupted products	--
Anomalies and/or Special Operations	no solar calibration measurements available due to the execution of an ERS2 orbit manoeuvre

1.2 - List of received products

Name	Date	Time
EGOI_110407CMEP5522.E2	07-APR-2011	03:09:59.496
EGOI_110407CMEP5529.E2	07-APR-2011	04:51:03.121
EGOI_110407CMEP5535.E2	07-APR-2011	15:32:41.546
EGOI_110407CMEP5544.E2	07-APR-2011	17:11:30.149
EGOI_110407GSEP9297.E2	07-APR-2011	01:37:01.933
EGOI_110407GSEP9305.E2	07-APR-2011	03:15:23.531
EGOI_110407GSEP9313.E2	07-APR-2011	04:57:45.160
EGOI_110407KSEP3249.E2	07-APR-2011	00:06:38.877
EGOI_110407KSEP3265.E2	07-APR-2011	06:56:17.379

EGOI_110407KSEP3292.E2	07-APR-2011	08:36:04.498
EGOI_110407KSEP3312.E2	07-APR-2011	10:15:36.604
EGOI_110407KSEP3341.E2	07-APR-2011	11:54:56.711
EGOI_110407KSEP3357.E2	07-APR-2011	13:33:54.322
EGOI_110407KSEP3370.E2	07-APR-2011	15:12:23.425
EGOI_110407KSEP3382.E2	07-APR-2011	16:49:46.515
EGOI_110407KSEP3397.E2	07-APR-2011	18:27:29.115
EGOI_110407KSEP3404.E2	07-APR-2011	20:06:08.722
EGOI_110407KSEP3421.E2	07-APR-2011	21:47:13.845
EGOI_110407KSEP3434.E2	07-APR-2011	23:31:42.982
EGOI_110407MAEP4920.E2	07-APR-2011	08:43:48.035
EGOI_110407MAEP4934.E2	07-APR-2011	10:23:30.650
EGOI_110407MAEP4945.E2	07-APR-2011	20:00:02.684
EGOI_110407MAEP4967.E2	07-APR-2011	21:39:09.288
EGOI_110407MIEP8204.E2	07-APR-2011	03:10:15.999
EGOI_110407MIEP8229.E2	07-APR-2011	04:51:24.121
EGOI_110407MIEP8257.E2	07-APR-2011	17:09:19.637
EGOI_110407MSEP3129.E2	06-APR-2011	23:49:26.772
EGOI_110407MSEP3154.E2	07-APR-2011	10:30:05.191
EGOI_110407MSEP3183.E2	07-APR-2011	12:07:55.291
EGOI_110407MSEP3205.E2	07-APR-2011	21:39:30.294
EGOI_110407MSEP3237.E2	07-APR-2011	23:15:57.889
EGOI_110407SGEP2597.E2	07-APR-2011	16:27:34.383

[[BACK TO MENU](#)]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
---------	-------	------	------------	-----------	--------------

[[BACK TO MENU](#)]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	83451	07-APR-2011	00:20:34.117	00:35:12.187	878.07000
MM	83451	07-APR-2011	00:32:12.609	00:43:12.275	659.66600
HO	83452	07-APR-2011	02:04:47.918	02:12:07.012	439.09400
MM	83452	07-APR-2011	02:14:35.581	02:23:31.307	535.72600
BE	83453	07-APR-2011	03:18:46.594	03:32:04.959	798.36500
MM	83453	07-APR-2011	03:57:39.548	04:04:17.114	397.56600
SG	83453	07-APR-2011	03:29:44.376	03:43:37.318	832.94200
MM	83454	07-APR-2011	05:40:16.329	05:46:06.541	350.21200
MM	83455	07-APR-2011	07:21:33.829	07:29:05.278	451.44900
JO	83455	07-APR-2011	07:00:55.359	07:13:02.434	727.07500

MM	83456	07-APR-2011	09:02:05.577	09:11:57.477	591.90000
JO	83456	07-APR-2011	08:38:30.067	08:53:16.637	886.57000
MM	83457	07-APR-2011	10:42:17.747	10:53:54.784	697.03700
MM	83458	07-APR-2011	12:22:16.343	12:34:47.430	751.08700
MA	83458	07-APR-2011	11:42:55.033	11:49:28.174	393.14100
BE	83459	07-APR-2011	12:57:21.426	13:08:49.662	688.23600
MM	83459	07-APR-2011	14:02:00.712	14:14:44.608	763.89600
MS	83459	07-APR-2011	13:27:40.107	13:34:20.161	400.05400
SG	83459	07-APR-2011	14:26:40.287	14:37:56.737	676.45000
BE	83460	07-APR-2011	14:35:34.172	14:48:41.335	787.16300
MM	83460	07-APR-2011	15:41:29.022	15:54:05.655	756.63300
MI	83460	07-APR-2011	15:08:40.691	15:20:33.571	712.88000
GS	83460	07-APR-2011	15:02:22.591	15:15:18.995	776.40400
SG	83460	07-APR-2011	16:04:56.856	16:17:51.172	774.31600
MM	83461	07-APR-2011	17:20:42.349	17:33:13.905	751.55600
GS	83461	07-APR-2011	16:41:39.062	16:54:59.870	800.80800
MM	83462	07-APR-2011	18:59:50.657	19:12:28.357	757.70000
GS	83462	07-APR-2011	18:22:50.799	18:29:51.196	420.39700
JO	83462				

[BACK TO MENU]

1.5 - List of corrupted products

Station	Orbit	Time
---------	-------	------

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	OK

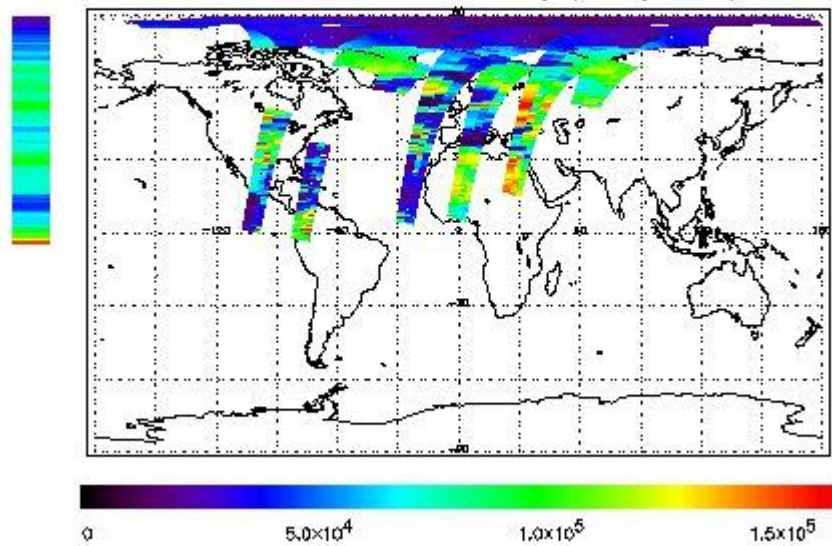
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	OK
331/338 nm Uncal. Line Ratio	OK
Uncal. PMDs as RGB signal	OK
780 nm Uncal. Intensity	OK

2.2 - Daily Plots

The images linked below provide a quick check on the data coverage and instrument performance. All data are UNCALIBRATED. For the explanation see the [GOME Performance Legend](#)

NEAR IR Intensity

FRet Product : 06-APR-2011 23:49:26.772 : ORBIT : 83451.2234
 Last Product : 07-APR-2011 23:39:58.028 : ORBIT : 83485.4435
 Total Products Processed : 15536 Day : 97 Page : 21
 778 nm Uncalibrated Intensity (Binary Units)

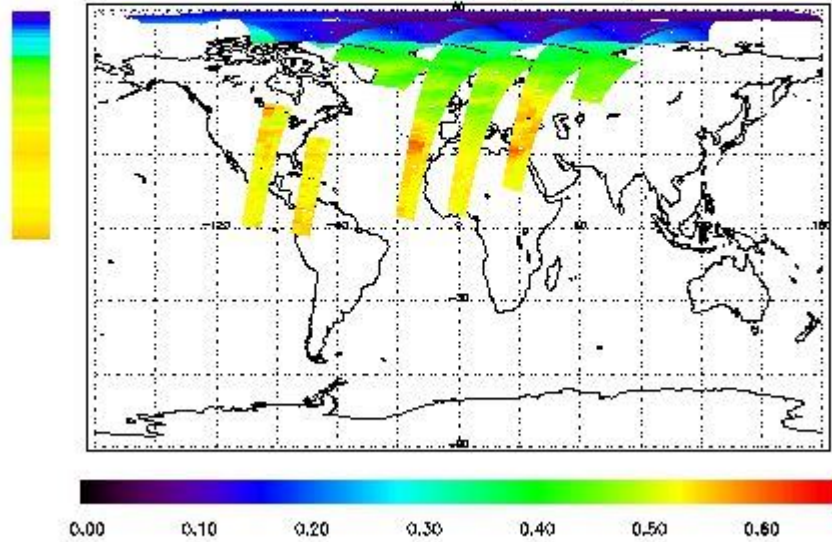


Ozone Line Ratio

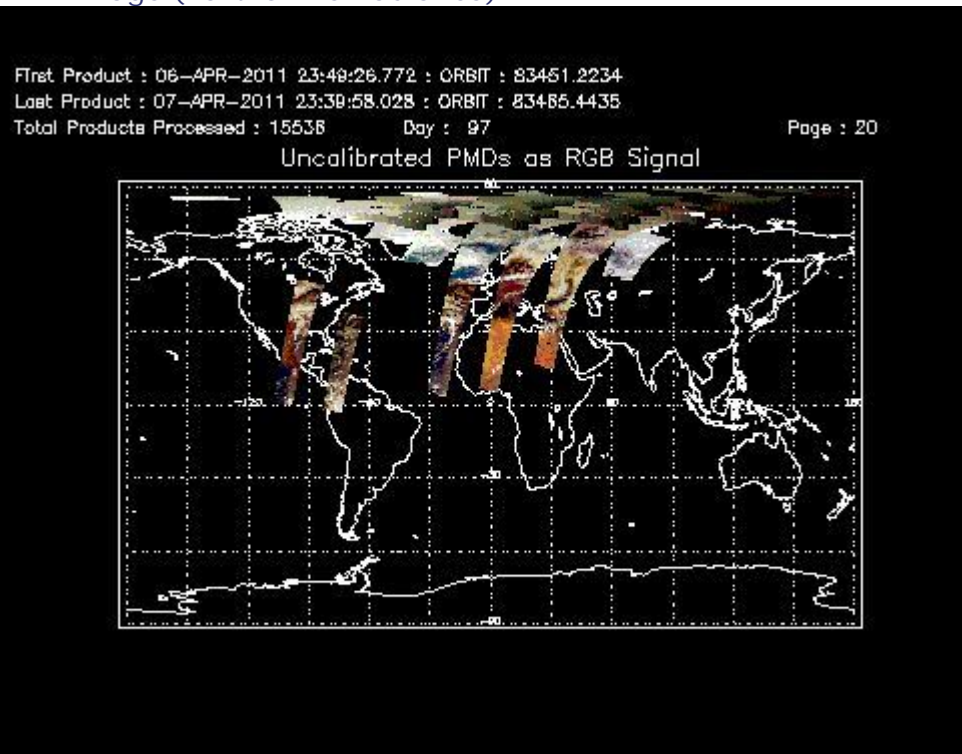
First Product : 06-APR-2011 23:49:26.772 : ORBIT : 83461.2234
 Last Product : 07-APR-2011 23:39:58.028 : ORBIT : 83466.4435
 Total Products Processed : 15538 Day : 97

Page : 20

331/313 nm Uncalibrated Line Ratio, SZA Dependence Removed



PMD Image (Earthshine Radiance)



3 - Instrument Calibration

3.1 - Solar Calibration (Daily/TST44)

Daily(D)/TST44(T)	Start Time	End Time (T)	Orbit	Ground Station Visibility	Warm Detector Temperature (TST/44)	Max PMD Readout during solar calibration (BU set 2/12)
--	--	--	--	--	--	--

3.2 - Lamp Calibration (Quarterly/TST44)

Quarterly(Q)/TST44(T)	Start Time	End Time	Orbit	Ground Station Visibility	Warm Detector Temperature (TST/44)	Lamp Instability Voltage (if any) (V)	Lamp Failure N. (if any)
--	--	--	--	--	--	--	--

4 - Instrument Anomalies

4.1 - Single Event Upset (SEU)

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
--	--	--	--	--

4.2 - Instrument Off

Start Time	End Time	Start Orbit	End Orbit	MPS Resumption	Ground Station Visibility
--	--	--	--	--	--

4.3 - Cooler Switchings

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility	Max Temp. Ch 1	Max Temp. Ch 2	Max Temp. Ch 3	Max Temp. Ch 4
--	--	--	--	--	--	--	--	--

5 - Instrument Operations

Additional Info

5.1 - Timeline Interruptions

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
--	--	--	--	--

5.2 - TST44

Start Time	Start Orbit	Ground Station Visibility
--	--	--

5.3 - Power Cycle

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
--	--	--	--	--

5.4 - Wrong Command Execution

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
--	--	--	--	--

5.5 - Narrow Swath Timeline

Start Time	End Time	Start Orbit	End Orbit
--	--	--	--

5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	End Orbit
--	--	--	--

[[BACK TO MENU](#)]

(1) The Solar/lamp calibration is carried out routinely or after an instrument switch-off or a power cycle (performed to reset the instrument when abnormal values are observed); in the latter cases the coolers are off and the temperature refers to the warm detectors