GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	10-APR-2011
Start Time of First Product	23:49:26 (09-Apr)
Stop Time of Last Product	22:39:59
Number of EGOI Products analysed	40
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_110410CMEP5618.E2	10-APR-2011	03:09:51.436
EGOI_110410CMEP5627.E2	10-APR-2011	04:51:05.549
EGOI_110410CMEP5634.E2	10-APR-2011	15:32:31.976
EGOI_110410CMEP5643.E2	10-APR-2011	17:11:13.076
EGOI_110410GSEP9498.E2	10-APR-2011	01:37:02.866
EGOI_110410GSEP9528.E2	10-APR-2011	03:15:00.467
EGOI_110410GSEP9537.E2	10-APR-2011	04:58:04.092
EGOI_110410GSEP9543.E2	10-APR-2011	06:39:31.723
EGOI_110410HLEP9848.E2	10-APR-2011	11:15:13.900

EGOI_110410HLEP9856.E2	10-APR-2011	12:57:47.530
EGOI_110410HLEP9865.E2	10-APR-2011	14:32:52.609
EGOI_110410KSEP3897.E2	10-APR-2011	00:07:12.818
EGOI_110410KSEP3920.E2	10-APR-2011	06:56:15.319
EGOI_110410KSEP3948.E2	10-APR-2011	08:36:03.930
EGOI_110410KSEP3969.E2	10-APR-2011	10:15:36.039
EGOI_110410KSEP3998.E2	10-APR-2011	11:54:57.642
EGOI_110410KSEP4014.E2	10-APR-2011	13:33:53.753
EGOI_110410KSEP4034.E2	10-APR-2011	15:12:25.851
EGOI_110410KSEP4050.E2	10-APR-2011	16:50:06.951
EGOI_110410KSEP4065.E2	10-APR-2011	18:27:34.549
EGOI_110410KSEP4078.E2	10-APR-2011	20:06:09.648
EGOI_110410KSEP4096.E2	10-APR-2011	21:47:04.267
EGOI_110410KSEP4111.E2	10-APR-2011	23:30:15.397
EGOI_110410MAEP5096.E2	10-APR-2011	08:44:05.477
EGOI_110410MAEP5110.E2	10-APR-2011	10:23:04.586
EGOI_110410MAEP5121.E2	10-APR-2011	19:59:48.608
EGOI_110410MAEP5143.E2	10-APR-2011	21:39:08.719
EGOI_110410MIEP8503.E2	10-APR-2011	03:10:13.940
EGOI_110410MIEP8527.E2	10-APR-2011	04:51:22.053
EGOI_110410MIEP8553.E2	10-APR-2011	15:29:21.457
EGOI_110410MIEP8580.E2	10-APR-2011	17:09:16.064
EGOI_110410MSEP3460.E2	09-APR-2011	23:49:26.212
EGOI_110410MSEP3485.E2	10-APR-2011	10:30:04.630
EGOI_110410MSEP3514.E2	10-APR-2011	12:07:56.226
EGOI_110410MSEP3536.E2	10-APR-2011	21:39:28.220
EGOI_110410MSEP3568.E2	10-APR-2011	23:15:57.311
EGOI_110410SGEP2641.E2	10-APR-2011	02:15:12.096
EGOI_110410SGEP2646.E2	10-APR-2011	03:52:11.190
EGOI_110410SGEP2655.E2	10-APR-2011	14:49:45.215
EGOI_110410SGEP2661.E2	10-APR-2011	16:27:33.814

[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	83494	10-APR-2011	00:26:14.534	00:40:52.436	877.90200
MM	83494	10-APR-2011	00:38:01.977	00:48:55.774	653.79700
BE	83495	10-APR-2011	01:45:58.005	01:56:45.765	647.76000
MM	83495	10-APR-2011	02:20:28.260	02:29:15.854	527.59400

BE	83496	10-APR-2011	03:24:28.808	03:37:42.077	793.26900
MM	83496	10-APR-2011	04:03:32.960	04:10:04.038	391.07800
MM	83497	10-APR-2011	05:46:05.679	05:51:58.279	352.60000
MM	83498	10-APR-2011	07:27:19.339	07:34:58.864	459.52500
JO	83498	10-APR-2011	07:06:18.732	07:18:53.030	754.29800
MM	83499	10-APR-2011	09:07:49.543	09:17:48.738	599.19500
JO	83499	10-APR-2011	08:44:15.559	08:58:53.514	877.95500
MM	83500	10-APR-2011	10:48:00.882	10:59:42.367	701.48500
MM	83501	10-APR-2011	12:27:58.709	12:40:31.473	752.76400
MA	83501	10-APR-2011	11:48:56.298	11:54:34.573	338.27500
HO	83502	10-APR-2011	14:16:36.884	14:29:24.324	767.44000
MM	83502	10-APR-2011	14:07:42.205	14:20:25.996	763.79100
SG	83502	10-APR-2011	14:32:04.162	14:43:51.540	707.37800
BE	83503	10-APR-2011	14:41:20.453	14:54:19.238	778.78500
MM	83503	10-APR-2011	15:47:09.573	15:59:45.681	756.10800
GS	83				

[BACK TO MENU]

1.5 - List of corrupted products

Station	Orbit	Time

---

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

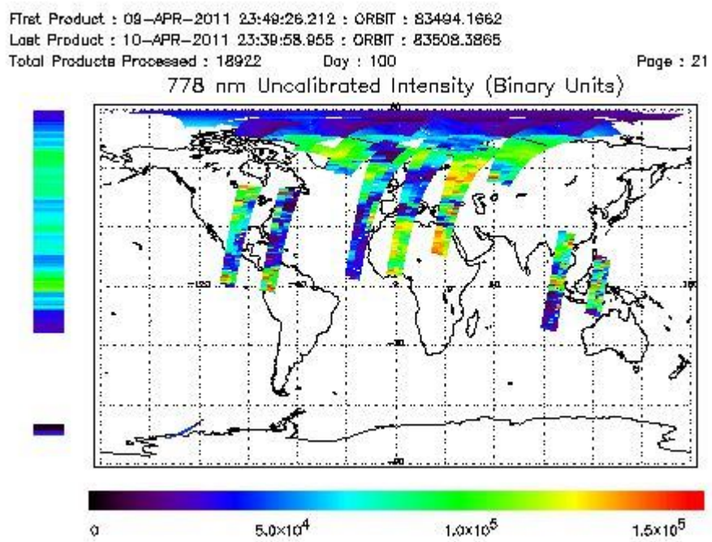
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

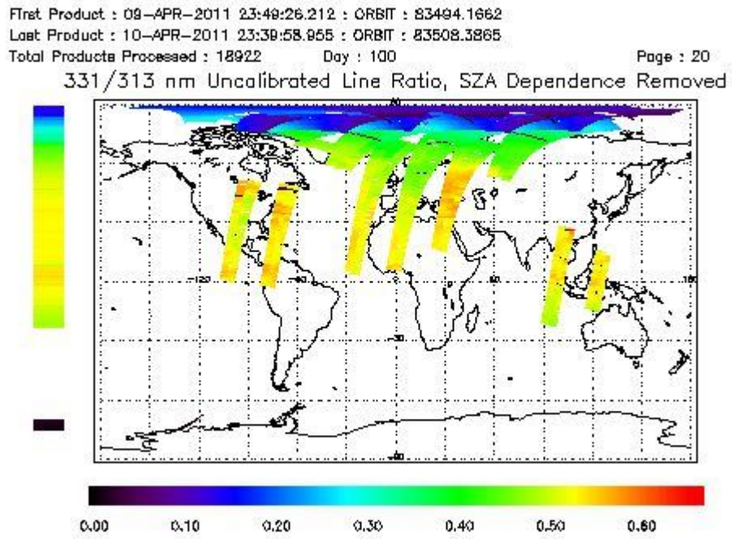
2.2 - Daily Plots

The images linked below provide a quick check on the data coverage and instrument performance. All data are UNCALIBRATED. For the explaination see the GOME Performance Legend

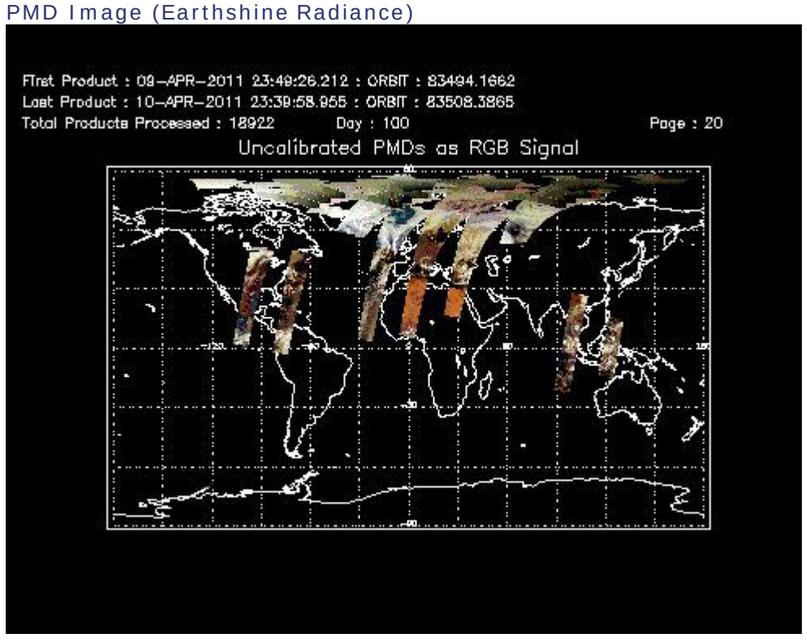
NEAR IR Intensity



Ozone Line Ratio



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)
D	16:53:27.970	--	83504	Yes	--	15118

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)
--	--	--	--	--	--	--	--

(1)

[BACK TO MENU]

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
--	--	--	--	--	--	--	--	--

[BACK TO MENU]

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