

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	03-JUL-2011
Start Time of First Product	23:49:42 (02-Jul)
Stop Time of Last Product	23:40:09
Number of EGOI Products analysed	35
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_110703CMEP7882.E2	03-JUL-2011	03:15:55.577
EGOI_110703CMEP7889.E2	03-JUL-2011	04:53:30.667
EGOI_110703CMEP7896.E2	03-JUL-2011	15:32:42.071
EGOI_110703CMEP7901.E2	03-JUL-2011	17:12:47.177
EGOI_110703GSEP5685.E2	03-JUL-2011	01:37:20.472
EGOI_110703GSEP5695.E2	03-JUL-2011	04:57:59.197
EGOI_110703KSEP0787.E2	03-JUL-2011	00:06:28.918
EGOI_110703KSEP0805.E2	03-JUL-2011	06:56:20.916
EGOI_110703KSEP0833.E2	03-JUL-2011	08:36:15.525

EGOI_110703KSEP0854.E2	03-JUL-2011	10:15:47.639
EGOI_110703KSEP0883.E2	03-JUL-2011	11:55:10.741
EGOI_110703KSEP0905.E2	03-JUL-2011	13:34:02.344
EGOI_110703KSEP0926.E2	03-JUL-2011	15:12:26.950
EGOI_110703KSEP0940.E2	03-JUL-2011	16:49:59.040
EGOI_110703KSEP0955.E2	03-JUL-2011	18:27:35.635
EGOI_110703KSEP0962.E2	03-JUL-2011	20:06:37.740
EGOI_110703KSEP0979.E2	03-JUL-2011	21:47:29.354
EGOI_110703KSEP0995.E2	03-JUL-2011	23:30:28.487
EGOI_110703MAEP0434.E2	03-JUL-2011	08:43:57.569
EGOI_110703MAEP0449.E2	03-JUL-2011	10:22:58.181
EGOI_110703MAEP0459.E2	03-JUL-2011	20:00:49.704
EGOI_110703MAEP0478.E2	03-JUL-2011	21:39:20.307
EGOI_110703MIEP6819.E2	03-JUL-2011	04:52:06.659
EGOI_110703MIEP6846.E2	03-JUL-2011	17:09:57.661
EGOI_110703MMEP1116.E2	03-JUL-2011	00:54:45.710
EGOI_110703MMEP1122.E2	03-JUL-2011	02:36:55.335
EGOI_110703MMEP1129.E2	03-JUL-2011	04:19:31.960
EGOI_110703MMEP1146.E2	03-JUL-2011	22:40:13.178
EGOI_110703MSEP3383.E2	02-JUL-2011	23:49:42.316
EGOI_110703MSEP3408.E2	03-JUL-2011	10:30:16.226
EGOI_110703MSEP3437.E2	03-JUL-2011	12:08:07.819
EGOI_110703MSEP3457.E2	03-JUL-2011	21:39:38.307
EGOI_110703MSEP3488.E2	03-JUL-2011	23:16:08.897
EGOI_110703SGEP4315.E2	03-JUL-2011	14:55:23.844
EGOI_110703SGEP4322.E2	03-JUL-2011	16:32:36.435

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	84696	02-JUL-2011	23:46:41.149	00:01:06.910	865.76100
MM	84696	02-JUL-2011	23:57:20.934	00:08:52.224	691.29000
HO	84697	03-JUL-2011	01:27:36.484	01:39:37.590	721.10600
MS	84697	03-JUL-2011	00:34:04.812	00:43:31.322	566.51000
BE	84698	03-JUL-2011	02:44:42.662	02:58:01.419	798.75700
MI	84698	03-JUL-2011	02:15:51.663	02:25:58.086	606.42300
GS	84698	03-JUL-2011	02:19:53.497	02:32:29.099	755.60200
SG	84698	03-JUL-2011	02:56:04.403	03:09:18.753	794.35000

BE	84699	03-JUL-2011	04:24:51.000	04:35:38.351	647.35100
SG	84699	03-JUL-2011	04:36:30.704	04:47:01.990	631.28600
MM	84700	03-JUL-2011	06:46:57.544	06:53:43.506	405.96200
CM	84700	03-JUL-2011	05:35:14.637	05:40:19.321	304.68400
JO	84700	03-JUL-2011	06:29:27.688	06:37:19.850	472.16200
MM	84701	03-JUL-2011	08:27:40.464	08:36:46.101	545.63700
JO	84701	03-JUL-2011	08:04:21.443	08:19:19.694	898.25100
MM	84702	03-JUL-2011	10:07:58.038	10:19:04.737	666.69900
JO	84702	03-JUL-2011	09:46:18.587	09:56:38.899	620.31200
HO	84703	03-JUL-2011	11:57:24.820	12:10:38.138	793.31800
MM	84703	03-JUL-2011	11:48:01.193	12:00:19.210	738.01700
HO	84704	03-JUL-2011	13:36:22.916	13:50:57.623	874.70700
MM	84704	03-JUL-2011	13:27:50.652	13:40:33.622	762.97000
BE	84705	03-JUL-2011	14:01:18.843	14:14:42.899	804.05600
HO	84705	03-JUL-2011	15:17:38.213	15:25:29.832	471.61900
MM	84705	03-JUL-2011	15:07:24.623	15:20:04.484	759.86100
MI	84705	03-JUL-2011	14:36:13.809	14:44:29.671	495.86200
GS	84705	03-JUL-2011	14:28:54.358	14:39:54.516	660.15800
BE	84706	03-JUL-2011	15:43:23.805	15:52:33.441	549.63600
MM	84706	03-JUL-2011	16:46:42.500	16:59:14.567	752.06700
MI	84706	03-JUL-2011	16:13:18.839	16:26:35.052	796.21300
GS	84706	03-JUL-2011	16:07:25.547	16:21:19.629	834.08200
MM	84707	03-J			

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1.5 - List of corrupted products

Station	Orbit	Time
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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 Temperatures 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

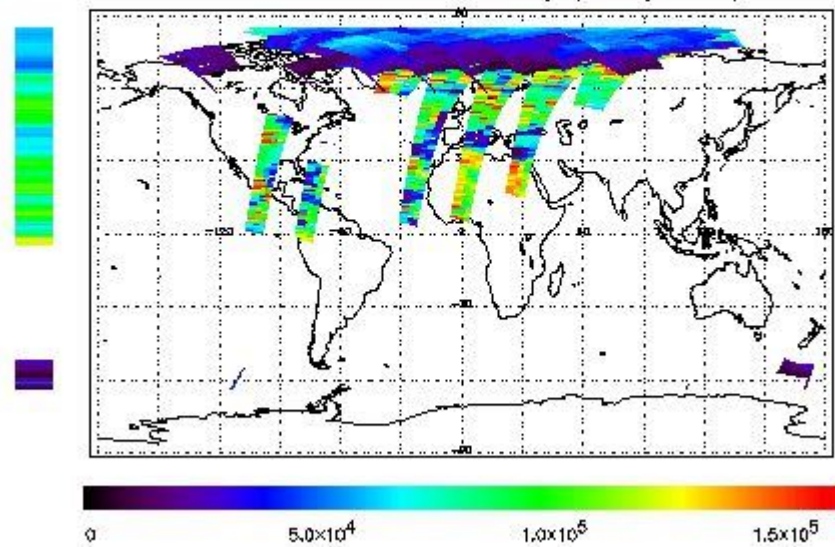
2.2 - Daily Plots

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

First Product : 02-JUL-2011 23:49:42.316 : ORBIT : 84696.5688
 Last Product : 03-JUL-2011 23:40:09.041 : ORBIT : 84710.7881
 Total Products Processed : 15498 Day : 184 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

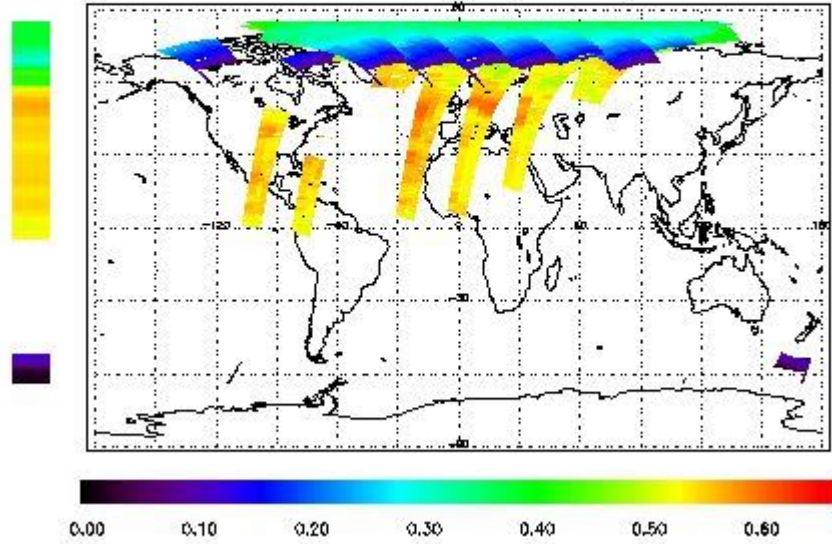


Ozone Line Ratio

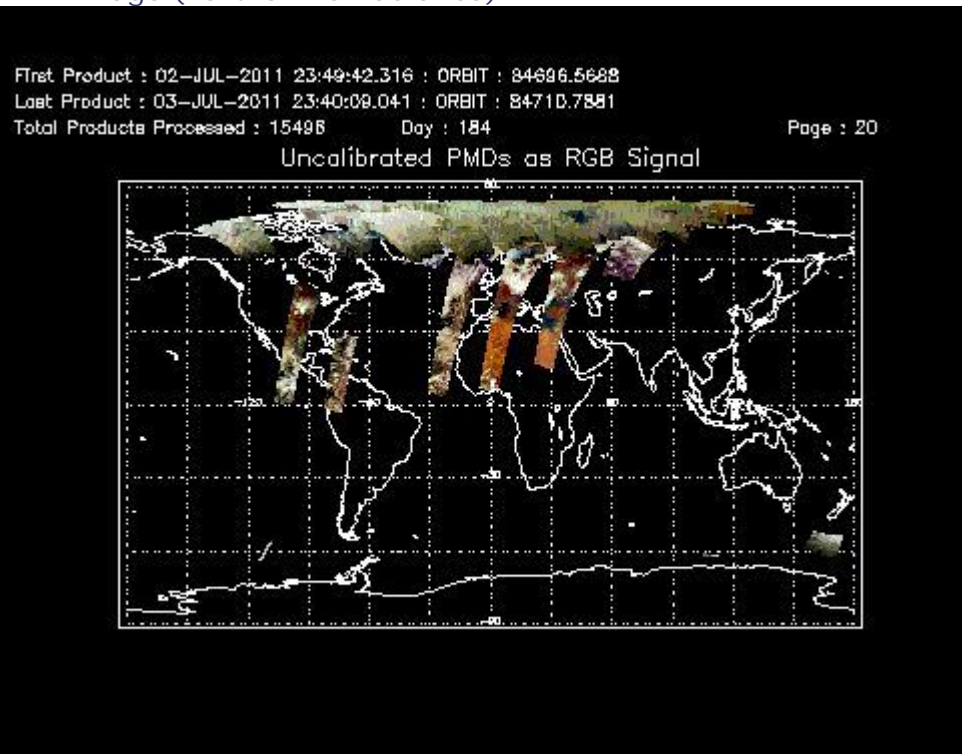
First Product : 02-JUL-2011 23:49:42.316 : ORBIT : 84696.5688
 Last Product : 03-JUL-2011 23:40:09.041 : ORBIT : 84710.7881
 Total Products Processed : 15496 Day : 184

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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)
D	--	--	84706	Yes	--	14610

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)
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4 - Instrument Anomalies

4.1 - Single Event Upset (SEU)

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
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4.2 - Instrument Off

Start Time	End Time	Start Orbit	End Orbit	MPS Resumption	Ground Station Visibility
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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
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5 - Instrument Operations

Additional Info

5.1 - Timeline Interruptions

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
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5.2 - TST44

Start Time	Start Orbit	Ground Station Visibility
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5.3 - Power Cycle

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
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5.4 - Wrong Command Execution

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
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5.5 - Narrow Swath Timeline

Start Time	End Time	Start Orbit	End Orbit
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5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	End Orbit
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(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