

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	16-APR-2011
Start Time of First Product	23:49:28 (15-Apr)
Stop Time of Last Product	23:39:59
Number of EGOI Products analysed	32
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_110416CMEP5794.E2	16-APR-2011	03:09:50.380
EGOI_110416CMEP5805.E2	16-APR-2011	04:51:06.002
EGOI_110416GSEP9938.E2	16-APR-2011	01:37:03.314
EGOI_110416GSEP9968.E2	16-APR-2011	03:14:54.912
EGOI_110416GSEP9977.E2	16-APR-2011	04:57:42.044
EGOI_110416KSEP5210.E2	16-APR-2011	00:06:01.254
EGOI_110416KSEP5227.E2	16-APR-2011	06:56:11.271
EGOI_110416KSEP5255.E2	16-APR-2011	08:36:05.881
EGOI_110416KSEP5275.E2	16-APR-2011	10:15:36.487

EGOI_110416KSEP5304.E2	16-APR-2011	11:54:59.598
EGOI_110416KSEP5319.E2	16-APR-2011	13:33:55.704
EGOI_110416KSEP5333.E2	16-APR-2011	15:12:26.307
EGOI_110416KSEP5346.E2	16-APR-2011	16:50:07.406
EGOI_110416KSEP5361.E2	16-APR-2011	18:27:36.505
EGOI_110416KSEP5368.E2	16-APR-2011	20:06:11.611
EGOI_110416KSEP5385.E2	16-APR-2011	21:47:06.229
EGOI_110416KSEP5400.E2	16-APR-2011	23:30:17.356
EGOI_110416MAEP5463.E2	16-APR-2011	08:44:17.923
EGOI_110416MAEP5477.E2	16-APR-2011	10:24:09.542
EGOI_110416MAEP5488.E2	16-APR-2011	19:59:46.070
EGOI_110416MAEP5510.E2	16-APR-2011	21:39:10.674
EGOI_110416MIEP9109.E2	16-APR-2011	03:10:09.884
EGOI_110416MIEP9133.E2	16-APR-2011	04:51:27.002
EGOI_110416MIEP9161.E2	16-APR-2011	17:09:19.519
EGOI_110416MSEP4181.E2	15-APR-2011	23:49:28.157
EGOI_110416MSEP4206.E2	16-APR-2011	10:30:06.582
EGOI_110416MSEP4235.E2	16-APR-2011	12:07:56.681
EGOI_110416MSEP4257.E2	16-APR-2011	21:39:31.678
EGOI_110416MSEP4288.E2	16-APR-2011	23:15:59.274
EGOI_110416SGEP2794.E2	16-APR-2011	03:58:53.681
EGOI_110416SGEP2801.E2	16-APR-2011	14:49:44.170
EGOI_110416SGEP2807.E2	16-APR-2011	16:27:34.265

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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	83580	16-APR-2011	00:37:54.300	00:52:11.174	856.87400
MM	83580	16-APR-2011	00:49:41.352	01:00:22.916	641.56400
BE	83581	16-APR-2011	01:57:01.879	02:08:38.126	696.24700
MM	83581	16-APR-2011	02:32:14.025	02:40:45.200	511.17500
SG	83581	16-APR-2011	02:10:11.600	02:18:58.221	526.62100
BE	83582	16-APR-2011	03:35:54.541	03:48:53.338	778.79700
MM	83582	16-APR-2011	04:15:19.452	04:21:38.556	379.10400
MM	83583	16-APR-2011	05:57:43.496	06:03:42.498	359.00200
MM	83584	16-APR-2011	07:38:49.971	07:46:45.866	475.89500
JO	83584	16-APR-2011	07:17:10.585	07:30:30.877	800.29200

MM	83585	16-APR-2011	09:19:17.307	09:29:30.675	613.36800
JO	83585	16-APR-2011	08:55:50.340	09:10:04.662	854.32200
MM	83586	16-APR-2011	10:59:27.024	11:11:16.890	709.86600
MM	83587	16-APR-2011	12:39:23.297	12:51:59.016	755.71900
HO	83588	16-APR-2011	14:28:08.986	14:40:10.302	721.31600
MM	83588	16-APR-2011	14:19:05.031	14:31:48.431	763.40000
SG	83588	16-APR-2011	14:42:58.401	14:55:35.190	756.78900
BE	83589	16-APR-2011	14:52:56.540	15:05:33.147	756.60700
MM	83589	16-APR-2011	15:58:30.523	16:11:05.630	755.10700
MI	83589	16-APR-2011	15:25:19.557	15:38:04.935	765.37800
GS	83589	16-APR-2011	15:19:15.591	15:32:44.463	808.87200
CM	83589	16-APR-2011	15:29:03.737	15:38:56.440	592.70300
MM	83590	16-APR-2011	17:37:41.973	17:50:13.846	751.87300
GS	83590	16-APR-2011	16:58:49.729	17:11:38.515	768.78600
CM	83590	16-APR-2011	17:07:34.583	17:18:53.433	678.85000
MM	83591	16-APR-2011	19:16:51.213	19:29:30.543	759.33000
JO	83591	16-APR-2011	19:37:14.051	19:49:39.950	745.89900
MM	83592	16-APR-2011	20:56:19.626	21:09:03.094	763.46800
JO	83592	16-APR-2011	21:15:35.062	21:30:11.368	876.30600
HO	83593	16-APR-2011	22:28:52.389	22:41:06.924	734.53500
MM	83593	16-APR-2011	22:36:30.261	22:48:51.495	741.23400

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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

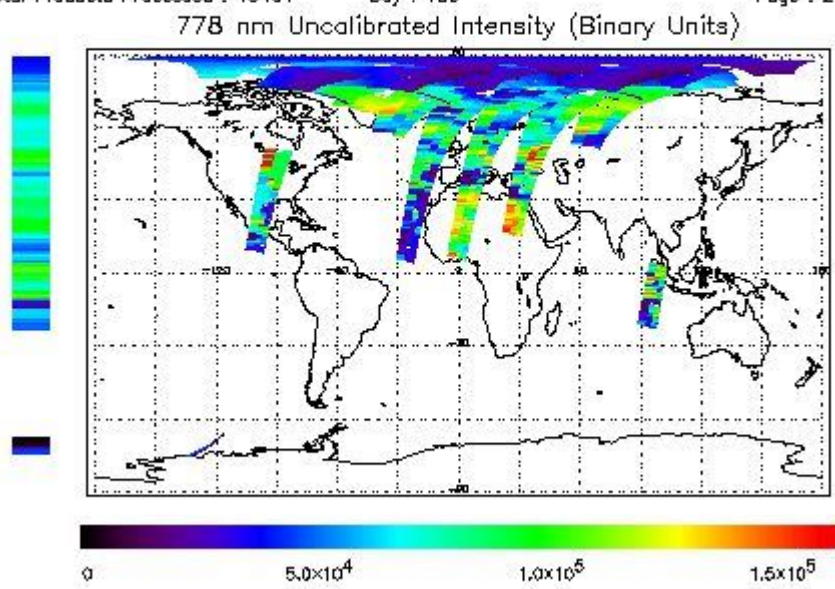
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	OK
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperatures B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. 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 : 15-APR-2011 23:49:28.157 : ORBIT : 83580.0522
 Last Product : 16-APR-2011 23:39:59.414 : ORBIT : 83594.2723
 Total Products Processed : 15404 Day : 106 Page : 21

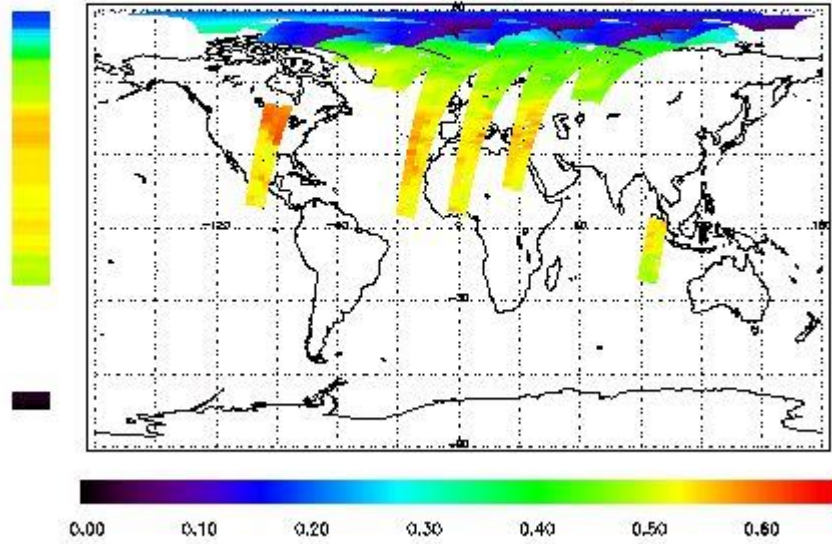


Ozone Line Ratio

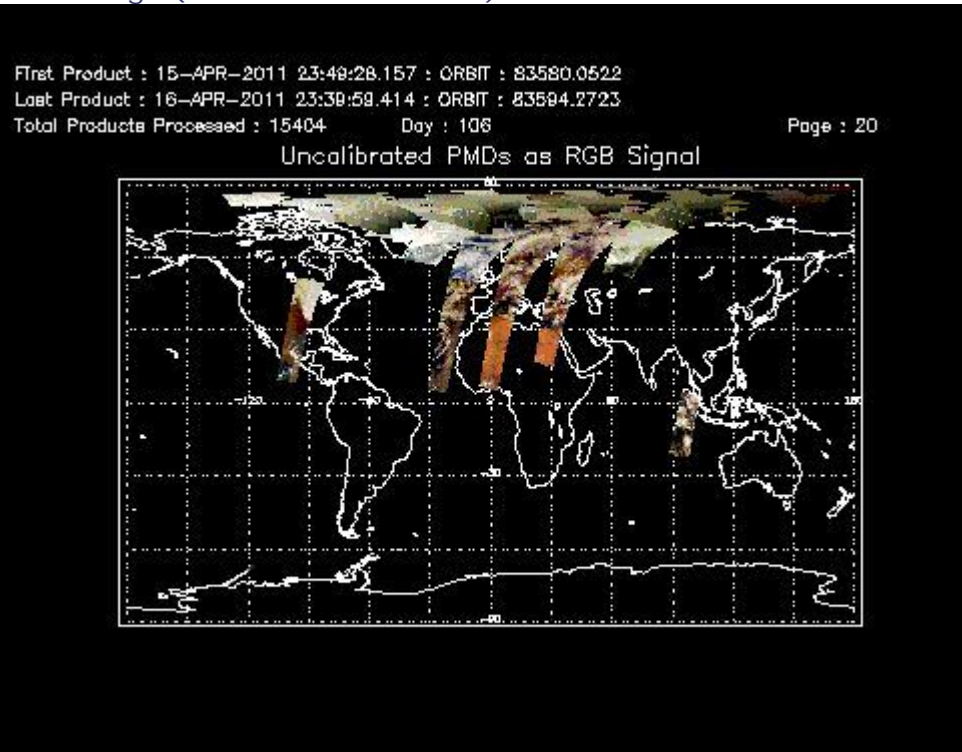
First Product : 15-APR-2011 23:49:28.157 : ORBIT : 83580.0522
 Last Product : 16-APR-2011 23:39:59.414 : ORBIT : 83594.2723
 Total Products Processed : 15404 Day : 106

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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	16:52:55.421	--	83590	Yes	--	15077

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