

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	17-MAY-2011
Start Time of First Product	00:59:22
Stop Time of Last Product	23:07:00
Number of EGOI Products analysed	36
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_110517CMEP6588.E2	17-MAY-2011	02:39:19.477
EGOI_110517CMEP6596.E2	17-MAY-2011	04:15:06.559
EGOI_110517CMEP6606.E2	17-MAY-2011	15:01:28.507
EGOI_110517CMEP6615.E2	17-MAY-2011	16:37:45.594
EGOI_110517GSEP2314.E2	17-MAY-2011	01:05:14.403
EGOI_110517GSEP2346.E2	17-MAY-2011	02:41:55.489
EGOI_110517GSEP2375.E2	17-MAY-2011	04:23:06.610
EGOI_110517GSEP2382.E2	17-MAY-2011	06:05:13.234
EGOI_110517HLEP0414.E2	17-MAY-2011	22:01:43.073

EGOI_110517KSEP1456.E2	17-MAY-2011	06:23:17.840
EGOI_110517KSEP1480.E2	17-MAY-2011	08:03:04.956
EGOI_110517KSEP1506.E2	17-MAY-2011	09:42:32.563
EGOI_110517KSEP1529.E2	17-MAY-2011	11:22:03.165
EGOI_110517KSEP1546.E2	17-MAY-2011	13:01:03.772
EGOI_110517KSEP1555.E2	17-MAY-2011	14:39:44.878
EGOI_110517KSEP1570.E2	17-MAY-2011	16:17:37.973
EGOI_110517KSEP1598.E2	17-MAY-2011	17:55:11.571
EGOI_110517KSEP1630.E2	17-MAY-2011	19:33:03.165
EGOI_110517KSEP1652.E2	17-MAY-2011	21:13:14.283
EGOI_110517KSEP1669.E2	17-MAY-2011	22:55:40.409
EGOI_110517MAEP7403.E2	17-MAY-2011	08:11:47.004
EGOI_110517MAEP7426.E2	17-MAY-2011	09:49:28.105
EGOI_110517MAEP7447.E2	17-MAY-2011	21:05:36.731
EGOI_110517MAEP7461.E2	17-MAY-2011	22:48:35.861
EGOI_110517MIEP2302.E2	17-MAY-2011	02:38:22.473
EGOI_110517MIEP2328.E2	17-MAY-2011	14:57:40.484
EGOI_110517MIEP2358.E2	17-MAY-2011	16:35:57.582
EGOI_110517MSEP7898.E2	17-MAY-2011	00:59:21.860
EGOI_110517MSEP7913.E2	17-MAY-2011	09:58:34.161
EGOI_110517MSEP7942.E2	17-MAY-2011	11:35:03.244
EGOI_110517MSEP7966.E2	17-MAY-2011	13:15:44.367
EGOI_110517MSEP7996.E2	17-MAY-2011	22:43:28.335
EGOI_110517SGEP3236.E2	17-MAY-2011	03:19:42.219
EGOI_110517SGEP3245.E2	17-MAY-2011	05:01:39.844
EGOI_110517SGEP3249.E2	17-MAY-2011	14:15:59.730
EGOI_110517SGEP3257.E2	17-MAY-2011	15:53:30.324

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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	84024	17-MAY-2011	01:04:05.916	01:17:23.609	797.69300
MM	84024	17-MAY-2011	01:15:58.001	01:26:09.721	611.72000
BE	84025	17-MAY-2011	02:22:10.151	02:34:58.122	767.97100
MM	84025	17-MAY-2011	02:58:43.657	03:06:37.640	473.98300
SG	84025	17-MAY-2011	02:34:07.150	02:45:57.968	710.81800
BE	84026	17-MAY-2011	04:01:44.172	04:13:48.625	724.45300
MM	84026	17-MAY-2011	04:41:46.742	04:47:44.893	358.15100

MI	84026	17-MAY-2011	03:30:25.780	03:43:48.765	802.98500
MM	84027	17-MAY-2011	06:23:49.566	06:30:10.002	380.43600
MI	84027	17-MAY-2011	05:14:50.828	05:18:54.403	243.57500
MM	84028	17-MAY-2011	08:04:42.250	08:13:15.331	513.08100
JO	84028	17-MAY-2011	07:41:58.242	07:56:28.010	869.76800
MM	84029	17-MAY-2011	09:45:04.010	09:55:47.067	643.05700
JO	84029	17-MAY-2011	09:22:15.036	09:34:58.982	763.94600
HO	84030	17-MAY-2011	11:35:04.124	11:47:07.813	723.68900
MM	84030	17-MAY-2011	11:25:10.211	11:37:16.453	726.24200
MA	84030	17-MAY-2011	10:44:09.314	10:55:39.246	689.93200
HO	84031	17-MAY-2011	13:13:35.147	13:28:24.497	889.35000
MM	84031	17-MAY-2011	13:05:02.921	13:17:43.474	760.55300
HO	84032	17-MAY-2011	14:54:14.778	15:03:43.309	568.53100
MM	84032	17-MAY-2011	14:44:40.605	14:57:22.414	761.80900
GS	84032	17-MAY-2011	14:06:59.373	14:15:41.862	522.48900
BE	84033	17-MAY-2011	15:19:22.553	15:30:37.713	675.16000
MM	84033	17-MAY-2011	16:24:01.955	16:36:35.157	753.20200
GS	84033	17-MAY-2011	15:44:42.446	15:58:35.865	833.41900
MM	84034	17-MAY-2011	18:03:11.266	18:15:44.299	753.03300
MI	84034	17-MAY-2011	17:31:58.110	17:39:59.876	481.76600
GS	84034	17-MAY-2011	17:24:41.281	17:36:21.229	699.94800
CM	84034	17-MAY-2011	17:33:59.123	17:43:12.462	553.33900
MM	84035	17-MAY-2011	19:42:23.149	19:55:04.736	761.58700
MA	84035	17-MAY-2011	18:47:		

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1.5 - List of corrupted products

Station	Orbit	Time
CM	84035	16:45:00.637

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

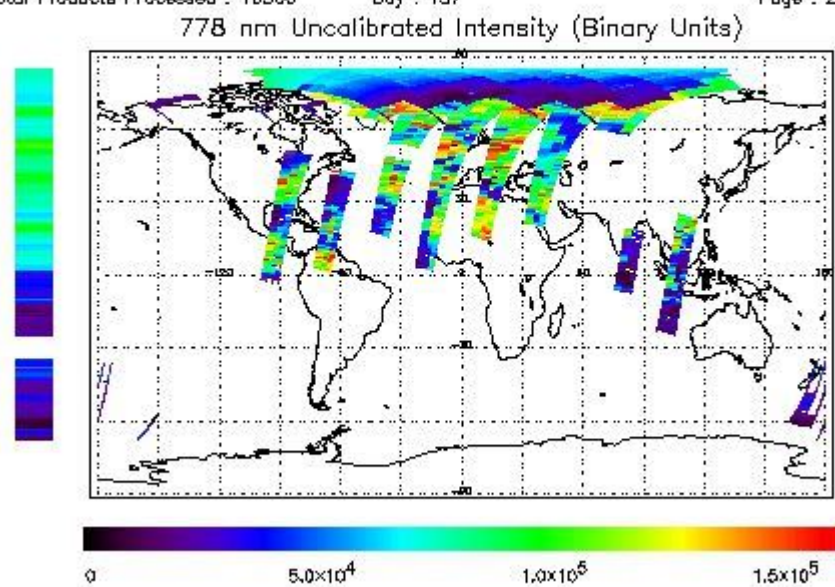
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	OK
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge 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

First Product : 17-MAY-2011 00:59:21.860 : ORBIT : 84024.4898
 Last Product : 17-MAY-2011 23:06:59.979 : ORBIT : 84037.6872
 Total Products Processed : 16360 Day : 137 Page : 21

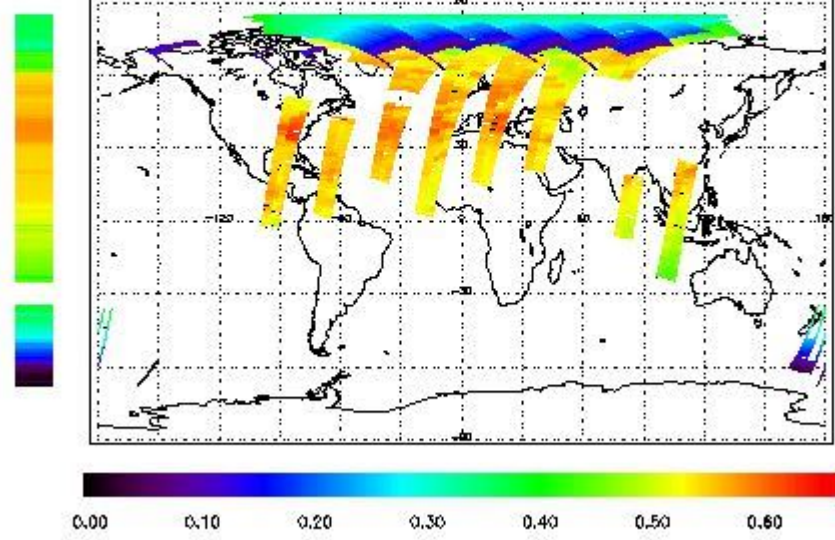


Ozone Line Ratio

First Product : 17-MAY-2011 00:59:21.860 : ORBIT : 84024.4898
 Last Product : 17-MAY-2011 23:08:59.979 : ORBIT : 84037.6872
 Total Products Processed : 18380 Day : 137

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331/313 nm Uncalibrated Line Ratio, SZA Dependence Removed

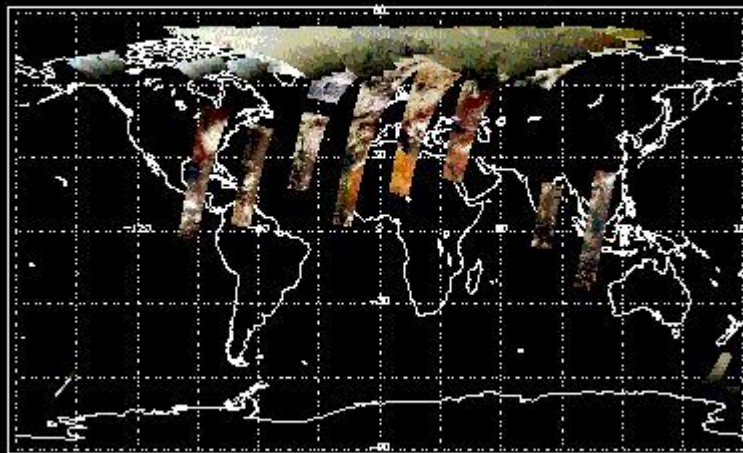


PMD Image (Earthshine Radiance)

First Product : 17-MAY-2011 00:59:21.860 : ORBIT : 84024.4898
 Last Product : 17-MAY-2011 23:08:59.979 : ORBIT : 84037.6872
 Total Products Processed : 18380 Day : 137

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Uncalibrated PMDs as RGB Signal



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	17:37:49.696	--	84035	Yes	--	14475

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