

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	25-APR-2011
Start Time of First Product	23:49:58 (24-Apr)
Stop Time of Last Product	23:29:45
Number of EGOI Products analysed	31
Number of corrupted products	--
Anomalies and/or Special Operations	Narrow Swath continued from previous day, stop orbit:83707; no solar calibration measurements available due to missing data

1.2 - List of received products

Name	Date	Time
EGOI_110425CMEP5981.E2	25-APR-2011	03:10:01.809
EGOI_110425CMEP5990.E2	25-APR-2011	04:51:08.422
EGOI_110425CMEP5997.E2	25-APR-2011	15:32:54.355
EGOI_110425CMEP6007.E2	25-APR-2011	17:11:14.458
EGOI_110425GSEP0651.E2	25-APR-2011	01:36:58.238
EGOI_110425GSEP0681.E2	25-APR-2011	03:14:57.336
EGOI_110425GSEP0690.E2	25-APR-2011	04:57:54.968
EGOI_110425KSEP7141.E2	25-APR-2011	00:06:03.678
EGOI_110425KSEP7155.E2	25-APR-2011	06:56:18.190

EGOI_110425KSEP7183.E2	25-APR-2011	08:36:08.301
EGOI_110425KSEP7203.E2	25-APR-2011	10:15:38.911
EGOI_110425KSEP7232.E2	25-APR-2011	11:55:00.521
EGOI_110425KSEP7248.E2	25-APR-2011	13:33:56.624
EGOI_110425KSEP7261.E2	25-APR-2011	15:12:28.730
EGOI_110425MAEP6029.E2	25-APR-2011	08:44:23.350
EGOI_110425MAEP6043.E2	25-APR-2011	10:23:02.953
EGOI_110425MAEP6056.E2	25-APR-2011	19:59:49.986
EGOI_110425MAEP6078.E2	25-APR-2011	21:39:11.597
EGOI_110425MIEP0006.E2	25-APR-2011	15:29:45.336
EGOI_110425MIEP0034.E2	25-APR-2011	17:09:27.946
EGOI_110425MIEP9953.E2	25-APR-2011	03:10:12.309
EGOI_110425MIEP9978.E2	25-APR-2011	04:51:26.426
EGOI_110425MSEP5271.E2	24-APR-2011	23:49:57.580
EGOI_110425MSEP5296.E2	25-APR-2011	10:30:07.498
EGOI_110425MSEP5325.E2	25-APR-2011	12:07:57.600
EGOI_110425MSEP5347.E2	25-APR-2011	21:39:31.098
EGOI_110425MSEP5379.E2	25-APR-2011	23:16:00.188
EGOI_110425SGEP2987.E2	25-APR-2011	02:15:17.969
EGOI_110425SGEP2993.E2	25-APR-2011	03:53:12.566
EGOI_110425SGEP3001.E2	25-APR-2011	14:49:46.593
EGOI_110425SGEP3008.E2	25-APR-2011	16:27:36.692

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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	83709	25-APR-2011	00:55:21.546	01:09:00.232	818.68600
MM	83709	25-APR-2011	01:07:11.988	01:17:34.001	622.01300
BE	83710	25-APR-2011	02:13:45.564	02:26:14.535	748.97100
MM	83710	25-APR-2011	02:49:53.564	02:57:59.924	486.36000
MI	83710	25-APR-2011	01:47:35.464	01:52:38.100	302.63600
BE	83711	25-APR-2011	03:53:06.530	04:05:32.595	746.06500
MM	83711	25-APR-2011	04:32:58.071	04:39:02.178	364.10700
MM	83712	25-APR-2011	06:15:08.127	06:21:20.439	372.31200
MM	83713	25-APR-2011	07:56:05.055	08:04:25.749	500.69400
JO	83713	25-APR-2011	07:33:39.416	07:47:50.739	851.32300
MM	83714	25-APR-2011	09:36:28.554	09:47:02.068	633.51400

JO	83714	25-APR-2011	09:13:23.087	09:26:43.724	800.63700
HO	83715	25-APR-2011	11:26:47.400	11:38:07.308	679.90800
MM	83715	25-APR-2011	11:16:35.913	11:28:37.071	721.15800
HO	83716	25-APR-2011	13:05:03.806	13:19:53.130	889.32400
MM	83716	25-APR-2011	12:56:29.821	13:09:09.027	759.20600
HO	83717	25-APR-2011	14:45:30.912	14:55:43.008	612.09600
MM	83717	25-APR-2011	14:36:08.870	14:48:51.299	762.42900
GS	83717	25-APR-2011	13:58:56.401	14:06:24.182	447.78100
BE	83718	25-APR-2011	15:10:30.471	15:22:18.340	707.86900
MM	83718	25-APR-2011	16:15:31.582	16:28:05.354	753.77200
GS	83718	25-APR-2011	15:36:12.641	15:50:00.830	828.18900
MM	83719	25-APR-2011	17:54:41.505	18:07:14.067	752.56200
KS	83719	25-APR-2011	17:01:47.066	17:14:25.418	758.35200
GS	83719	25-APR-2011	17:16:03.277	17:28:09.124	725.84700
MM	83720	25-APR-2011	19:33:52.337	19:46:33.216	760.87900
KS	83720	25-APR-2011	18:39:54.884	18:53:39.259	824.37500
JO	83720	25-APR-2011	19:53:44.888	20:07:23.397	818.50900
MM	83721	25-APR-2011	21:13:26.446	21:26:08.608	762.16200
KS	83721	25-APR-2011	20:19:21.352	20:33:13.197	831.84500
JO	83721	25-APR-2011	21:32:49.876	21:46:48.570	838.69400
HO	83722	25-APR-2011	22:45:17.835	22:58:18.157	780.32200
MM	83722	25-APR-2011	22:53:46.268	23:05:59.510	733.24200
KS	83722	25-APR-2011	22:00:46.055	22:12:49.580	723.52500
KS	83723	25-APR-2011	23:45:03.262	23:51:53.006	409.74400

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1.5 - List of corrupted products

Station	Orbit	Time
SG	83688	14:16:00.664

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

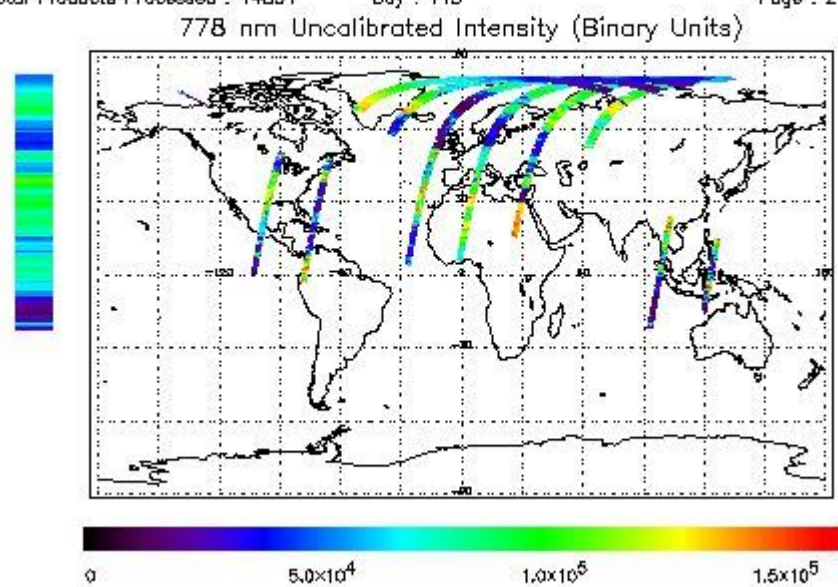
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	OK
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge 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 : 24-APR-2011 23:48:57.580 : ORBIT : 83708.8856
 Last Product : 25-APR-2011 23:29:45.273 : ORBIT : 83722.9991
 Total Products Processed : 14851 Day : 115 Page : 21

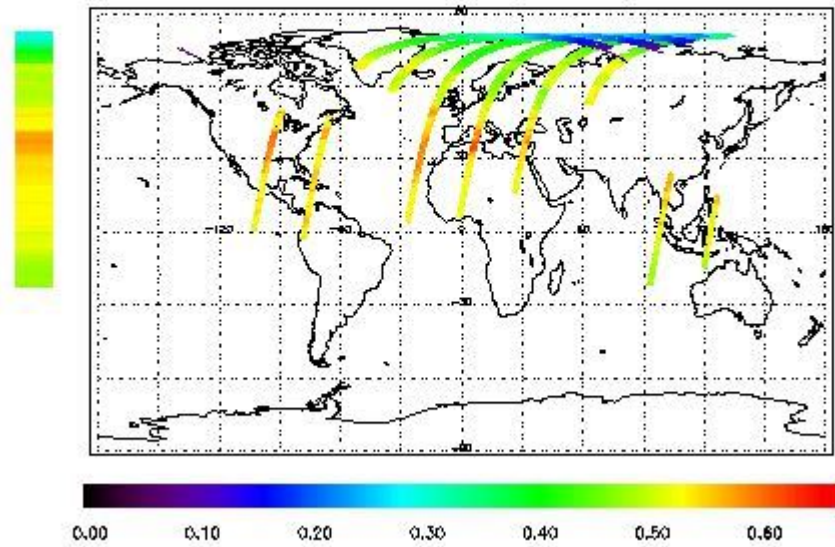


Ozone Line Ratio

First Product : 24-APR-2011 23:49:57.580 : ORBIT : 83708.8856
 Last Product : 25-APR-2011 23:29:45.273 : ORBIT : 83722.9991
 Total Products Processed : 14851 Day : 115

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331/313 nm Uncalibrated Line Ratio, SZA Dependence Removed

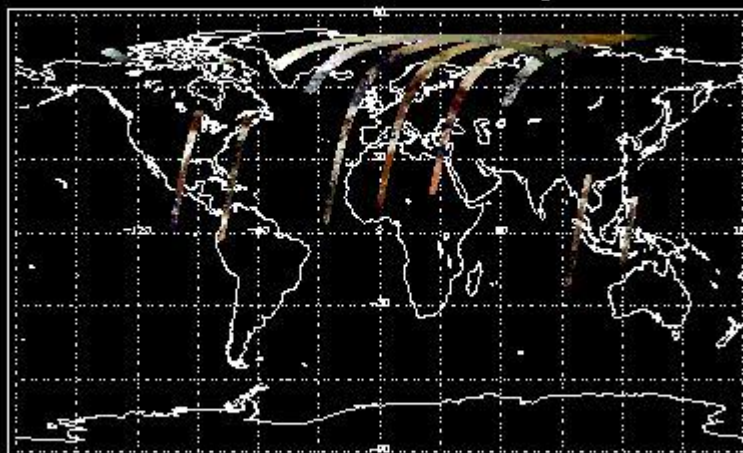


PMD Image (Earthshine Radiance)

First Product : 24-APR-2011 23:49:57.580 : ORBIT : 83708.8856
 Last Product : 25-APR-2011 23:29:45.273 : ORBIT : 83722.9991
 Total Products Processed : 14851 Day : 115

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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)
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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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20:30	18:00	83707	83720
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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