

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	01-MAY-2011
Start Time of First Product	23:49:30 (30-Apr)
Stop Time of Last Product	23:40:02
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_110501GSEP1127.E2	01-MAY-2011	01:36:52.679
EGOI_110501GSEP1157.E2	01-MAY-2011	03:15:02.281
EGOI_110501GSEP1167.E2	01-MAY-2011	04:57:52.409
EGOI_110501HLEP0079.E2	01-MAY-2011	11:15:20.224
EGOI_110501KSEP8043.E2	01-MAY-2011	00:07:16.132
EGOI_110501KSEP8059.E2	01-MAY-2011	06:56:21.639
EGOI_110501KSEP8086.E2	01-MAY-2011	08:36:08.750
EGOI_110501KSEP8105.E2	01-MAY-2011	10:15:40.856
EGOI_110501KSEP8134.E2	01-MAY-2011	11:55:00.966

EGOI_110501KSEP8154.E2	01-MAY-2011	13:33:57.077
EGOI_110501KSEP8175.E2	01-MAY-2011	15:12:26.175
EGOI_110501KSEP8189.E2	01-MAY-2011	16:49:52.273
EGOI_110501KSEP8204.E2	01-MAY-2011	18:27:36.369
EGOI_110501KSEP8221.E2	01-MAY-2011	20:06:12.979
EGOI_110501KSEP8240.E2	01-MAY-2011	21:47:09.097
EGOI_110501KSEP8255.E2	01-MAY-2011	23:31:00.731
EGOI_110501MAEP6402.E2	01-MAY-2011	08:43:44.796
EGOI_110501MAEP6417.E2	01-MAY-2011	10:22:37.902
EGOI_110501MAEP6429.E2	01-MAY-2011	20:00:06.935
EGOI_110501MAEP6449.E2	01-MAY-2011	21:39:13.542
EGOI_110501MIEP0607.E2	01-MAY-2011	03:10:21.753
EGOI_110501MIEP0631.E2	01-MAY-2011	04:51:32.867
EGOI_110501MIEP0658.E2	01-MAY-2011	15:29:32.280
EGOI_110501MIEP0685.E2	01-MAY-2011	17:09:20.887
EGOI_110501MSEP6003.E2	30-APR-2011	23:49:29.518
EGOI_110501MSEP6028.E2	01-MAY-2011	10:30:09.447
EGOI_110501MSEP6057.E2	01-MAY-2011	12:07:59.546
EGOI_110501MSEP6078.E2	01-MAY-2011	21:39:28.550
EGOI_110501MSEP6109.E2	01-MAY-2011	23:16:02.141
EGOI_110501SGEP3125.E2	01-MAY-2011	02:15:15.410
EGOI_110501SGEP3133.E2	01-MAY-2011	14:49:47.034
EGOI_110501SGEP3140.E2	01-MAY-2011	16:27:37.137

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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	83795	01-MAY-2011	01:06:59.629	01:20:11.189	791.56000
MM	83795	01-MAY-2011	01:18:53.438	01:29:01.654	608.21600
MS	83795	01-MAY-2011	00:12:59.992	00:24:20.396	680.40400
BE	83796	01-MAY-2011	02:24:58.691	02:37:52.033	773.34200
MM	83796	01-MAY-2011	03:01:40.395	03:09:30.269	469.87400
CM	83796	01-MAY-2011	03:32:40.892	03:44:24.304	703.41200
BE	83797	01-MAY-2011	04:04:36.986	04:16:33.405	716.41900
MM	83797	01-MAY-2011	04:44:42.857	04:50:39.274	356.41700
SG	83797	01-MAY-2011	04:15:48.466	04:28:08.882	740.41600
CM	83797	01-MAY-2011	05:13:22.243	05:22:18.678	536.43500

MM	83798	01-MAY-2011	06:26:43.258	06:33:06.595	383.33700
MI	83798	01-MAY-2011	05:18:28.214	05:21:00.786	152.57200
MM	83799	01-MAY-2011	08:07:34.602	08:16:11.797	517.19500
JO	83799	01-MAY-2011	07:44:45.126	07:59:20.072	874.94600
MM	83800	01-MAY-2011	09:47:55.805	09:58:41.962	646.15700
JO	83800	01-MAY-2011	09:25:13.316	09:37:43.296	749.98000
MM	83801	01-MAY-2011	11:28:01.622	11:40:09.476	727.85400
MM	83802	01-MAY-2011	13:07:53.931	13:20:34.876	760.94500
HO	83803	01-MAY-2011	14:57:09.859	15:06:27.822	557.96300
MM	83803	01-MAY-2011	14:47:31.155	15:00:12.741	761.58600
MI	83803	01-MAY-2011	14:19:11.824	14:21:27.265	135.44100
GS	83803	01-MAY-2011	14:09:41.976	14:18:45.795	543.81900
BE	83804	01-MAY-2011	15:22:20.788	15:33:23.583	662.79500
MM	83804	01-MAY-2011	16:26:52.056	16:39:25.085	753.02900
GS	83804	01-MAY-2011	15:47:32.554	16:01:27.095	834.54100
CM	83804	01-MAY-2011	15:56:31.396	16:08:20.524	709.12800
MM	83805	01-MAY-2011	18:06:01.189	18:18:34.396	753.20700
GS	83805	01-MAY-2011	17:27:34.154	17:39:04.765	690.61100
CM	83805	01-MAY-2011	17:36:57.921	17:45:51.226	533.30500
MM	83806	01-MAY-2011	19:45:13.460	19:57:55.271	761.81100
JO	83806	01-MAY-2011	20:04:51.776	20:19:04.103	852.32700
MM	83807	01-MAY-2011	21		

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1.5 - List of corrupted products

Station	Orbit	Time
MI	83790	16:02:53.657

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

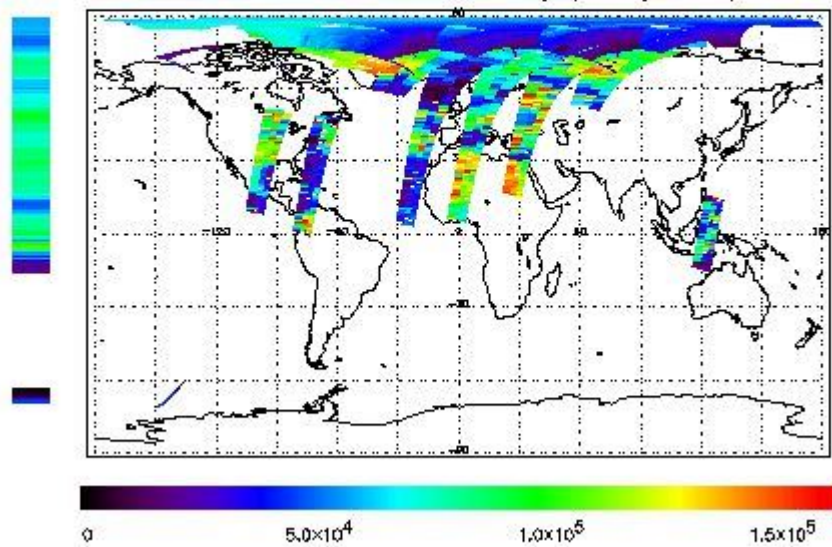
2.2 - Daily Plots

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 : 30-APR-2011 23:48:29.518 : ORBIT : 83794.7667
 Last Product : 01-MAY-2011 23:40:02.285 : ORBIT : 83808.9870
 Total Products Processed : 15514 Day : 121 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

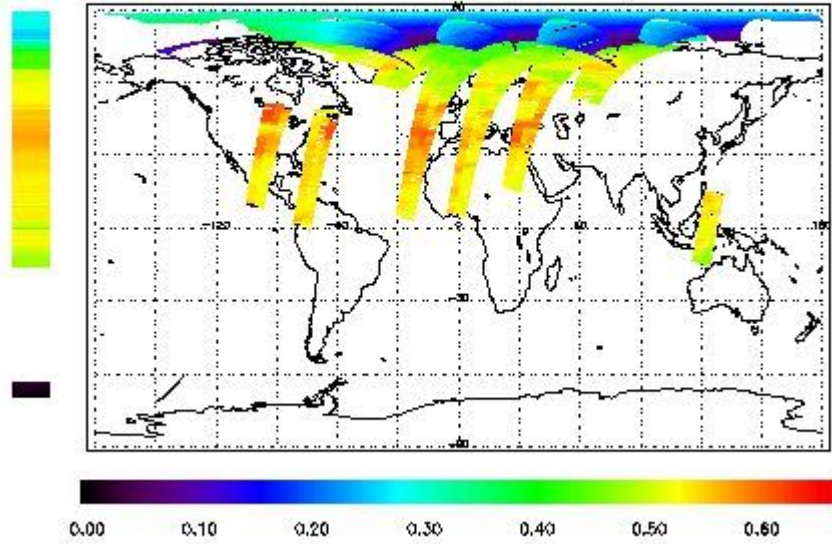


Ozone Line Ratio

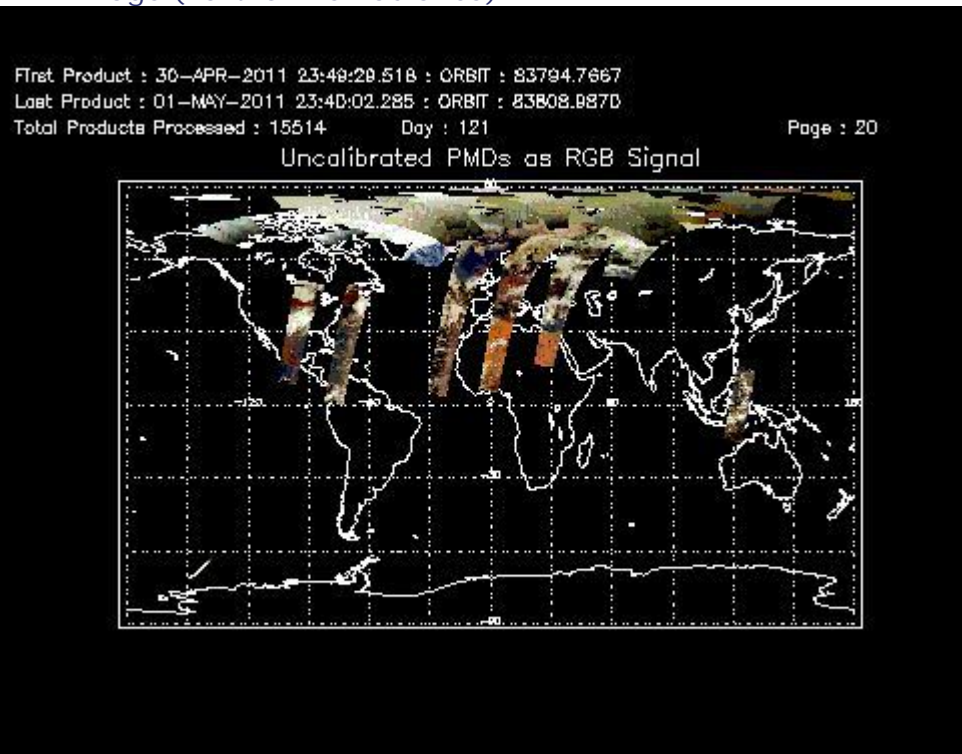
First Product : 30-APR-2011 23:49:29.518 : ORBIT : 83794.7667
 Last Product : 01-MAY-2011 23:40:02.285 : ORBIT : 83808.9870
 Total Products Processed : 15514 Day : 121

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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	18:32:01.895	--	83806	Yes	--	14820

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
--	--	--	--	--

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