

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	19-APR-2011
Start Time of First Product	23:49:31 (18-Apr)
Stop Time of Last Product	23:40:00
Number of EGOI Products analysed	36
Number of corrupted products	--
Anomalies and/or Special Operations	no solar calibration measurements available due to the execution of an ERS2 orbit manoeuvre

1.2 - List of received products

Name	Date	Time
EGOI_110419CMEP5827.E2	19-APR-2011	03:10:04.824
EGOI_110419CMEP5834.E2	19-APR-2011	04:51:05.438
EGOI_110419CMEP5842.E2	19-APR-2011	15:32:43.871
EGOI_110419CMEP5850.E2	19-APR-2011	17:11:24.978
EGOI_110419GSEP0174.E2	19-APR-2011	01:37:04.260
EGOI_110419GSEP0203.E2	19-APR-2011	03:14:55.858
EGOI_110419GSEP0211.E2	19-APR-2011	04:57:45.991
EGOI_110419KSEP5825.E2	19-APR-2011	00:07:15.703
EGOI_110419KSEP5841.E2	19-APR-2011	06:56:16.703

EGOI_110419KSEP5867.E2	19-APR-2011	08:36:06.817
EGOI_110419KSEP5888.E2	19-APR-2011	10:15:37.434
EGOI_110419KSEP5917.E2	19-APR-2011	11:54:59.041
EGOI_110419KSEP5940.E2	19-APR-2011	13:33:55.152
EGOI_110419KSEP5961.E2	19-APR-2011	15:12:27.250
EGOI_110419KSEP5975.E2	19-APR-2011	16:49:48.845
EGOI_110419KSEP5990.E2	19-APR-2011	18:27:34.444
EGOI_110419KSEP5997.E2	19-APR-2011	20:06:14.051
EGOI_110419KSEP6014.E2	19-APR-2011	21:47:05.665
EGOI_110419KSEP6027.E2	19-APR-2011	23:31:45.307
EGOI_110419MAEP5653.E2	19-APR-2011	08:44:05.360
EGOI_110419MAEP5668.E2	19-APR-2011	10:23:04.469
EGOI_110419MAEP5679.E2	19-APR-2011	19:59:47.006
EGOI_110419MAEP5700.E2	19-APR-2011	21:39:10.121
EGOI_110419MIEP9372.E2	19-APR-2011	03:10:15.324
EGOI_110419MIEP9395.E2	19-APR-2011	04:51:24.942
EGOI_110419MIEP9421.E2	19-APR-2011	15:29:40.856
EGOI_110419MIEP9449.E2	19-APR-2011	17:09:24.966
EGOI_110419MSEP4544.E2	18-APR-2011	23:49:30.598
EGOI_110419MSEP4569.E2	19-APR-2011	10:30:07.524
EGOI_110419MSEP4598.E2	19-APR-2011	12:07:57.621
EGOI_110419MSEP4619.E2	19-APR-2011	21:39:34.126
EGOI_110419MSEP4650.E2	19-APR-2011	23:15:58.709
EGOI_110419SGEP2864.E2	19-APR-2011	02:15:11.985
EGOI_110419SGEP2869.E2	19-APR-2011	03:52:26.078
EGOI_110419SGEP2877.E2	19-APR-2011	14:49:45.114
EGOI_110419SGEP2884.E2	19-APR-2011	16:27:35.208

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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	83623	19-APR-2011	00:43:42.227	00:57:48.119	845.89200
MM	83623	19-APR-2011	00:55:31.356	01:06:06.560	635.20400
BE	83624	19-APR-2011	02:02:35.521	02:14:31.742	716.22100
MM	83624	19-APR-2011	02:38:07.095	02:46:30.009	502.91400
BE	83625	19-APR-2011	03:41:38.073	03:54:27.459	769.38600
MM	83625	19-APR-2011	04:21:12.492	04:27:26.173	373.68100
MM	83626	19-APR-2011	06:03:31.978	06:09:34.948	362.97000

MM	83627	19-APR-2011	07:44:35.109	07:52:39.256	484.14700
JO	83627	19-APR-2011	07:22:38.813	07:36:18.345	819.53200
MM	83628	19-APR-2011	09:25:01.107	09:35:21.343	620.23600
JO	83628	19-APR-2011	09:01:39.756	09:15:38.797	839.04100
MM	83629	19-APR-2011	11:05:10.030	11:17:03.829	713.79900
MM	83630	19-APR-2011	12:45:05.519	12:57:42.524	757.00500
HO	83631	19-APR-2011	14:33:55.633	14:45:36.027	700.39400
MM	83631	19-APR-2011	14:24:46.364	14:37:29.486	763.12200
SG	83631	19-APR-2011	14:48:28.303	15:01:24.465	776.16200
BE	83632	19-APR-2011	14:58:46.464	15:11:09.042	742.57800
MM	83632	19-APR-2011	16:04:10.923	16:16:45.560	754.63700
GS	83632	19-APR-2011	15:24:54.200	15:38:30.882	816.68200
MM	83633	19-APR-2011	17:43:21.824	17:55:53.887	752.06300
GS	83633	19-APR-2011	17:04:33.907	17:17:09.636	755.72900
MM	83634	19-APR-2011	19:22:31.520	19:35:11.381	759.86100
JO	83634	19-APR-2011	19:42:42.854	19:55:36.293	773.43900
MM	83635	19-APR-2011	21:02:01.754	21:14:44.880	763.12600
JO	83635	19-APR-2011	21:21:19.265	21:35:45.004	865.73900
HO	83636	19-APR-2011	22:34:19.080	22:46:50.970	751.89000
MM	83636	19-APR-2011	22:42:15.397	22:54:34.122	738.72500

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1.5 - List of corrupted products

Station	Orbit	Time
MI	83632	15:42:37.933

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

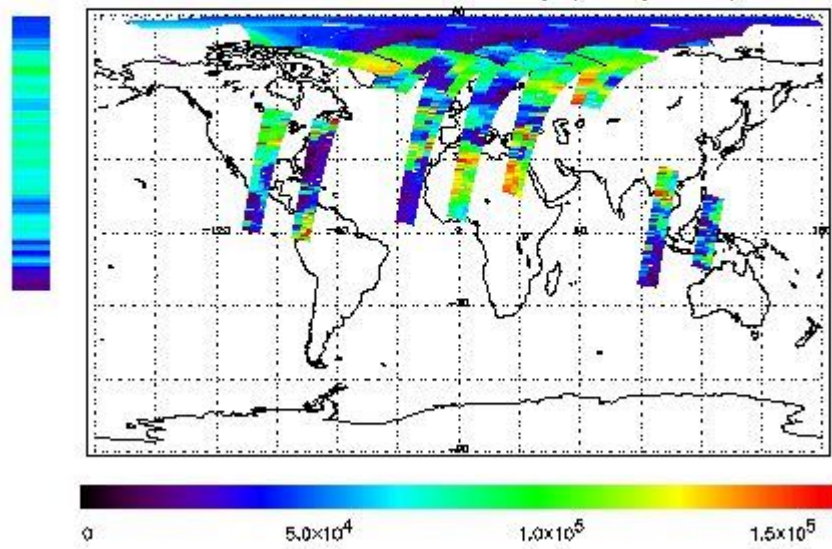
2.2 - Daily Plots

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 : 18-APR-2011 23:49:30.598 : ORBIT : 83622.9955
 Last Product : 19-APR-2011 23:40:00.361 : ORBIT : 83637.2153
 Total Products Processed : 17322 Day : 109 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

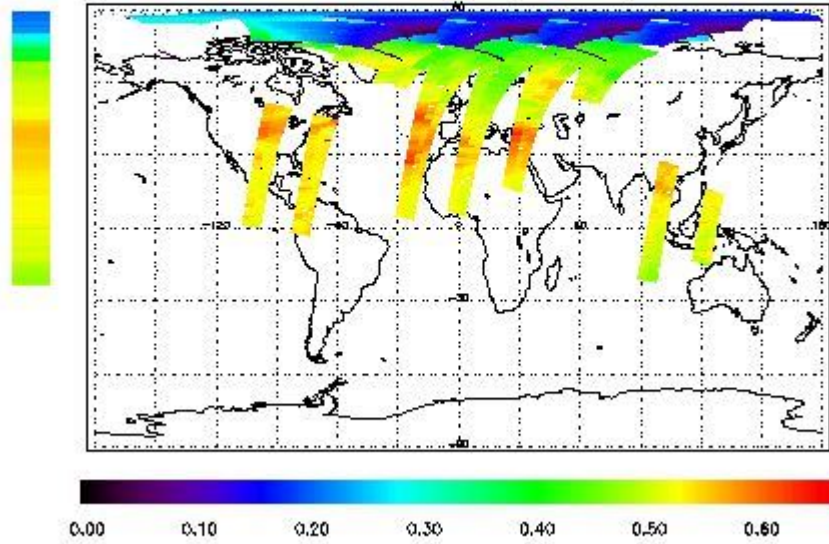


Ozone Line Ratio

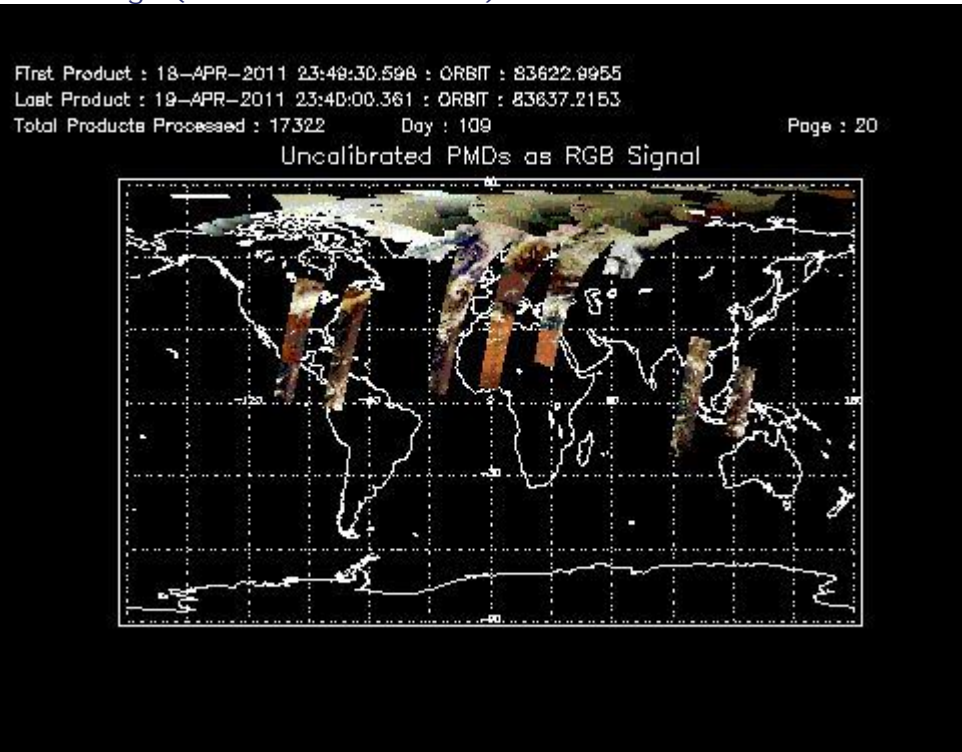
First Product : 18-APR-2011 23:49:30.598 : ORBIT : 83622.9955
 Last Product : 19-APR-2011 23:40:00.361 : ORBIT : 83637.2153
 Total Products Processed : 17322 Day : 109

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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)
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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
--	--	--

5.3 - Power Cycle

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

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