

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	29-MAR-2011
Start Time of First Product	23:49:24 (28-Mar)
Stop Time of Last Product	23:39:56
Number of EGOI Products analysed	41
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_110329CMEP5227.E2	29-MAR-2011	03:09:48.165
EGOI_110329CMEP5236.E2	29-MAR-2011	04:51:03.784
EGOI_110329CMEP5242.E2	29-MAR-2011	15:32:30.217
EGOI_110329CMEP5251.E2	29-MAR-2011	17:11:11.320
EGOI_110329GSEP8704.E2	29-MAR-2011	01:36:59.593
EGOI_110329GSEP8734.E2	29-MAR-2011	03:14:55.696
EGOI_110329GSEP8743.E2	29-MAR-2011	04:57:48.823
EGOI_110329KSEP1332.E2	29-MAR-2011	00:07:09.545
EGOI_110329KSEP1346.E2	29-MAR-2011	06:56:13.555

EGOI_110329KSEP1373.E2	29-MAR-2011	08:36:02.163
EGOI_110329KSEP1391.E2	29-MAR-2011	10:15:34.275
EGOI_110329KSEP1419.E2	29-MAR-2011	11:54:55.881
EGOI_110329KSEP1435.E2	29-MAR-2011	13:33:51.993
EGOI_110329KSEP1447.E2	29-MAR-2011	15:12:21.092
EGOI_110329KSEP1460.E2	29-MAR-2011	16:49:44.194
EGOI_110329KSEP1475.E2	29-MAR-2011	18:27:29.790
EGOI_110329KSEP1482.E2	29-MAR-2011	20:06:04.897
EGOI_110329KSEP1499.E2	29-MAR-2011	21:47:02.520
EGOI_110329KSEP1512.E2	29-MAR-2011	23:31:42.159
EGOI_110329MAEP4402.E2	29-MAR-2011	08:44:15.713
EGOI_110329MAEP4417.E2	29-MAR-2011	10:23:07.317
EGOI_110329MAEP4426.E2	29-MAR-2011	20:01:07.866
EGOI_110329MAEP4448.E2	29-MAR-2011	21:39:05.469
EGOI_110329MIEP7238.E2	29-MAR-2011	03:10:33.169
EGOI_110329MIEP7262.E2	29-MAR-2011	04:51:51.788
EGOI_110329MIEP7288.E2	29-MAR-2011	15:29:45.198
EGOI_110329MIEP7315.E2	29-MAR-2011	17:09:42.812
EGOI_110329MMEP9163.E2	29-MAR-2011	02:36:37.457
EGOI_110329MMEP9170.E2	29-MAR-2011	06:01:37.219
EGOI_110329MMEP9177.E2	29-MAR-2011	07:42:42.334
EGOI_110329MMEP9186.E2	29-MAR-2011	12:43:24.679
EGOI_110329MMEP9195.E2	29-MAR-2011	14:22:52.294
EGOI_110329MMEP9202.E2	29-MAR-2011	16:02:12.397
EGOI_110329MMEP9208.E2	29-MAR-2011	17:42:20.512
EGOI_110329MMEP9216.E2	29-MAR-2011	20:59:54.730
EGOI_110329MMEP9224.E2	29-MAR-2011	22:39:56.842
EGOI_110329MSEP2066.E2	28-MAR-2011	23:49:24.435
EGOI_110329MSEP2091.E2	29-MAR-2011	10:30:02.860
EGOI_110329MSEP2120.E2	29-MAR-2011	12:07:52.960
EGOI_110329MSEP2142.E2	29-MAR-2011	21:39:15.973
EGOI_110329MSEP2173.E2	29-MAR-2011	23:15:55.561

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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	83322	29-MAR-2011	00:03:36.683	00:18:10.307	873.62400
MM	83322	29-MAR-2011	00:14:45.797	00:26:02.050	676.25300
HO	83323	29-MAR-2011	01:45:47.492	01:56:09.934	622.44200

MM	83323	29-MAR-2011	01:56:58.468	02:06:18.136	559.66800
BE	83324	29-MAR-2011	03:01:42.570	03:15:07.690	805.12000
SG	83324	29-MAR-2011	03:12:48.619	03:26:33.746	825.12700
BE	83325	29-MAR-2011	04:42:19.351	04:51:45.912	566.56100
MM	83325	29-MAR-2011	05:22:46.473	05:28:32.957	346.48400
SG	83325	29-MAR-2011	04:54:46.132	05:02:40.348	474.21600
JO	83326	29-MAR-2011	06:44:57.805	06:55:21.827	624.02200
JO	83327	29-MAR-2011	08:21:20.670	08:36:21.355	900.68500
MM	83328	29-MAR-2011	10:25:08.088	10:36:30.735	682.64700
JO	83328	29-MAR-2011	10:05:02.948	10:12:16.296	433.34800
MM	83329	29-MAR-2011	12:05:08.971	12:17:34.184	745.21300
MA	83329	29-MAR-2011	11:25:28.501	11:33:40.290	491.78900
MS	83330	29-MAR-2011	13:09:38.679	13:18:47.077	548.39800
SG	83330	29-MAR-2011	14:10:46.580	14:19:55.732	549.15200
BE	8				

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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 Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK

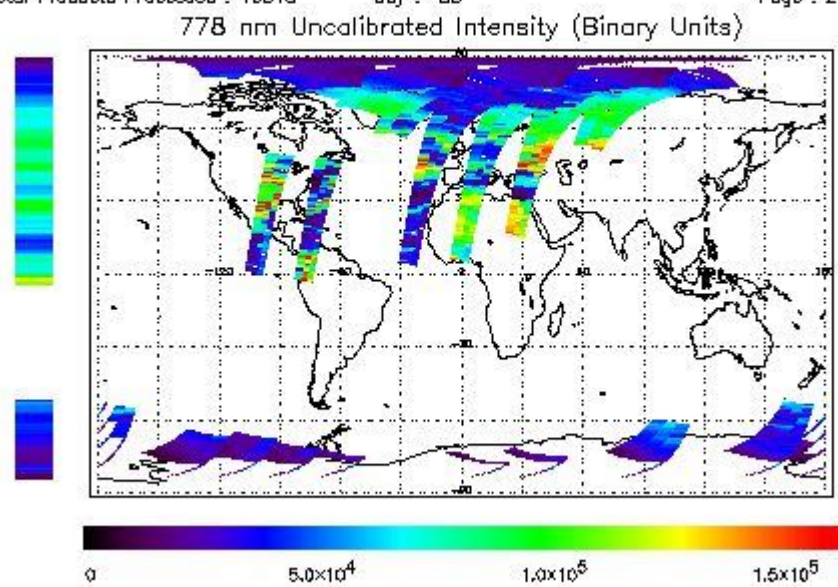
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	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 : 28-MAR-2011 23:49:24.435 : ORBIT : 83322.3944
 Last Product : 29-MAR-2011 23:39:55.713 : ORBIT : 83336.6145
 Total Products Processed : 19518 Day : 88 Page : 21



Ozone Line Ratio

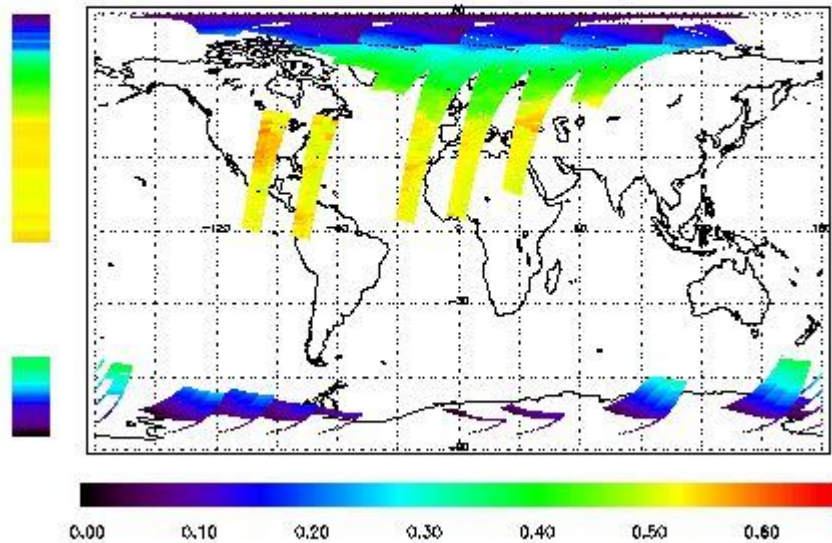
First Product : 28-MAR-2011 23:49:24.435 : ORBIT : 83322.3944

Last Product : 29-MAR-2011 23:39:55.713 : ORBIT : 83336.6145

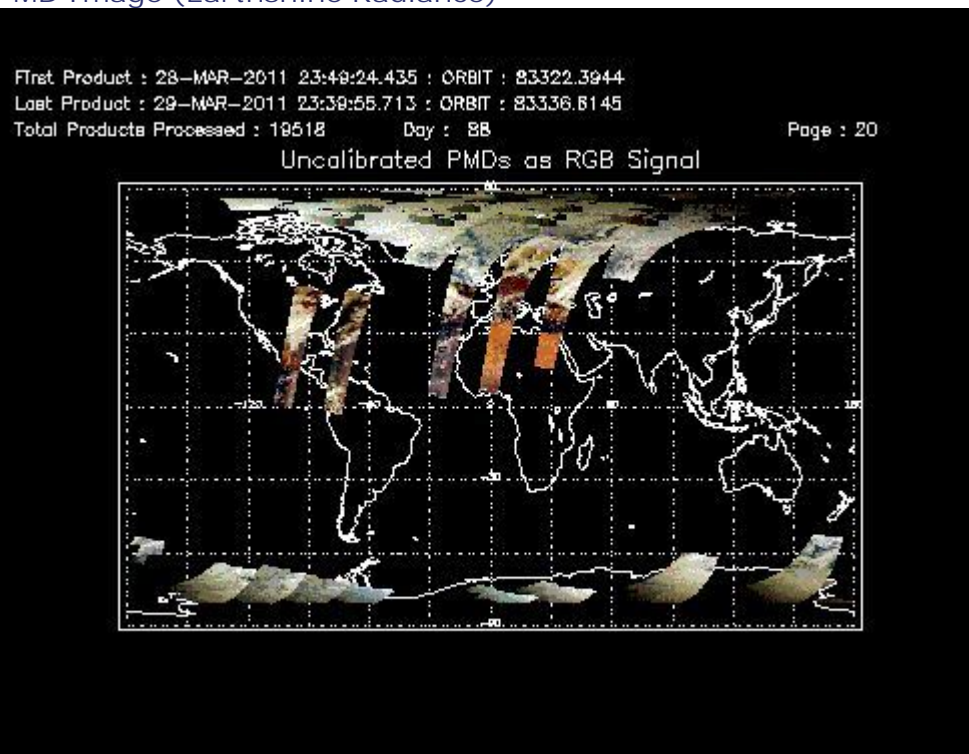
Total Products Processed : 19518 Day : 88

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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
--	--	--	--	--	--

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
--	--	83056	--

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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