

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	11-MAY-2010
Start Time of First Product	23:45:44 (10-May)
Stop Time of Last Product	23:23:16
Number of EGOI Products analysed	39
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_100511BEEP2687.E2	11-MAY-2010	03:23:11.201
EGOI_100511GSEP6066.E2	11-MAY-2010	01:19:14.942
EGOI_100511GSEP6097.E2	11-MAY-2010	02:56:24.533
EGOI_100511GSEP6124.E2	11-MAY-2010	04:38:41.663
EGOI_100511GSEP6131.E2	11-MAY-2010	06:20:43.794
EGOI_100511KSEP6812.E2	10-MAY-2010	23:45:44.361
EGOI_100511KSEP6823.E2	11-MAY-2010	06:38:19.900
EGOI_100511KSEP6841.E2	11-MAY-2010	08:18:04.010
EGOI_100511KSEP6861.E2	11-MAY-2010	09:57:43.619

EGOI_100511KSEP6882.E2	11-MAY-2010	11:37:20.233
EGOI_100511KSEP6911.E2	11-MAY-2010	13:16:22.344
EGOI_100511KSEP6922.E2	11-MAY-2010	14:55:06.447
EGOI_100511KSEP6949.E2	11-MAY-2010	16:32:44.550
EGOI_100511KSEP6979.E2	11-MAY-2010	18:10:39.149
EGOI_100511KSEP7004.E2	11-MAY-2010	19:49:02.253
EGOI_100511KSEP7025.E2	11-MAY-2010	21:29:38.866
EGOI_100511KSEP7050.E2	11-MAY-2010	23:12:33.501
EGOI_100511MAEP2094.E2	11-MAY-2010	08:26:26.561
EGOI_100511MAEP2107.E2	11-MAY-2010	10:05:12.166
EGOI_100511MAEP2124.E2	11-MAY-2010	21:21:55.319
EGOI_100511MIEP2264.E2	11-MAY-2010	02:52:33.513
EGOI_100511MIEP2292.E2	11-MAY-2010	04:32:41.628
EGOI_100511MIEP2319.E2	11-MAY-2010	15:12:50.056
EGOI_100511MIEP2348.E2	11-MAY-2010	16:52:08.671
EGOI_100511MMEP8176.E2	11-MAY-2010	00:35:26.671
EGOI_100511MMEP8182.E2	11-MAY-2010	02:17:39.298
EGOI_100511MMEP8191.E2	11-MAY-2010	07:24:21.685
EGOI_100511MMEP8199.E2	11-MAY-2010	09:05:11.800
EGOI_100511MMEP8206.E2	11-MAY-2010	10:45:34.915
EGOI_100511MMEP8215.E2	11-MAY-2010	12:25:34.030
EGOI_100511MSEP5066.E2	11-MAY-2010	10:12:58.714
EGOI_100511MSEP5095.E2	11-MAY-2010	11:50:15.812
EGOI_100511MSEP5116.E2	11-MAY-2010	13:31:59.935
EGOI_100511MSEP5132.E2	11-MAY-2010	21:23:55.331
EGOI_100511MSEP5164.E2	11-MAY-2010	22:59:04.915
EGOI_100511SGEP5540.E2	11-MAY-2010	01:59:43.688
EGOI_100511SGEP5548.E2	11-MAY-2010	03:33:56.268
EGOI_100511SGEP5556.E2	11-MAY-2010	14:31:18.303
EGOI_100511SGEP5563.E2	11-MAY-2010	16:10:02.409

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	78717	11-MAY-2010	06:37:19.704	06:38:19.900	60.196000
KS	78718	11-MAY-2010	08:16:36.626	08:18:04.010	87.384000
KS	78719	11-MAY-2010	09:56:14.072	09:57:43.619	89.547000
KS	78720	11-MAY-2010	11:35:45.445	11:37:20.233	94.788000
KS	78721	11-MAY-2010	13:14:53.004	13:16:22.344	89.340000
KS	78722	11-MAY-2010	14:53:31.291	14:55:06.446	95.155000
KS	78723	11-MAY-2010	16:31:09.097	16:32:44.550	95.453000
KS	78724	11-MAY-2010	18:08:58.102	18:10:39.149	101.04700

KS	78725	11-MAY-2010	19:47:55.184	19:49:02.252	67.068000
KS	78726	11-MAY-2010	21:28:38.603	21:29:38.866	60.263000
GS	78714	11-MAY-2010	01:18:14.767	01:19:14.941	60.174000
MS	78719	11-MAY-2010	10:11:18.488	10:12:58.714	100.22600
MS	78720	11-MAY-2010	11:48:38.214	11:50:15.811	97.597000
MS	78727	11-MAY-2010	22:57:55.167	22:59:04.914	69.747000
MA	78726	11-MAY-2010	21:20:18.114	21:21:55.319	97.205000
MI	78715	11-MAY-2010	02:51:12.202	02:52:33.512	81.310000
MI	78716	11-MAY-2010	04:31:19.732	04:32:41.627	81.895000
MI	78722	11-MAY-2010	15:11:26.343	15:12:50.056	83.713000
MI	78723	11-MAY-2010	16:50:41.975	16:52:08.670	86.695000
BE	78715	11-MAY-2010	03:21:37.645	03:23:11.200	93.555000
SG	78715	11-MAY-2010	03:32:34.728	03:33:56.267	81.539000
SG	78715	11-MAY-2010	03:44:27.829	03:46:26.833	119.00400
SG	78721	11-MAY-2010	14:29:21.922	14:31:18.302	116.38000
SG	78722	11-MAY-2010	16:07:51.481	16:10:02.409	130.92800

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	78713	11-MAY-2010	00:23:24.214	00:38:02.355	878.14100
BE	78714	11-MAY-2010	01:43:12.879	01:53:46.466	633.58700
HO	78714	11-MAY-2010	02:07:51.851	02:13:39.960	348.10900
MM	78715	11-MAY-2010	04:00:36.264	04:07:10.548	394.28400
CM	78715	11-MAY-2010	02:52:14.012	03:00:18.994	484.98200
CM	78715	11-MAY-2010	04:29:10.263	04:41:12.740	722.47700
MM	78716	11-MAY-2010	05:43:11.039	05:49:02.375	351.33600
JO	78717	11-MAY-2010	07:03:36.816	07:15:57.885	741.06900
JO	78718	11-MAY-2010	08:41:22.659	08:56:05.178	882.51900
MA	78720	11-MAY-2010	11:45:54.590	11:52:02.065	367.47500
HO	78721	11-MAY-2010	14:13:43.466	14:26:38.785	775.31900
MM	78721	11-MAY-2010	14:04:51.464	14:17:35.315	763.85100
SG	78721	11-MAY-2010	14:29:21.922	14:40:54.414	692.49200
BE	78722	11-MAY-2010	14:38:27.168	14:51:30.358	783.19000
MM	78722	11-MAY-2010	15:44:19.301	15:56:55.671	756.37000
GS	78722	11-MAY-2010	15:05:11.098	15:18:13.917	782.81900

CM	78722	11-MAY-2010	15:15:43.620	15:23:48.357	484.73700
MM	78723	11-MAY-2010	17:23:32.295	17:36:03.877	751.58200
GS	78723	11-MAY-2010	16:44:30.651	16:57:46.849	796.19800
CM	78723	11-MAY-2010	16:53:07.823	17:05:05.451	717.62800
MM	78724	11-MAY-2010	19:02:40.715	19:15:18.687	757.97200
JO	78724	11-MAY-2010	19:23:40.546	19:34:38.893	658.34700
MM	78725	11-MAY-2010	20:42:04.904	20:54:48.853	763.94900
MA	78725	11-MAY-2010	19:41:33.374	19:53:48.579	735.20500
JO	78725	11-MAY-2010	21:01:17.582	21:16:12.160	894.57800
HO	78726	11-MAY-2010	22:15:19.634	22:26:43.828	684.19400
MM	78726	11-MAY-2010	22:22:08.275	22:34:35.124	746.84900
JO	78726	11-MAY-2010	22:43:41.016	22:50:33.591	412.57500
HO	78727	11-MAY-2010	23:52:19.125	00:06:48.354	869.22900

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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 Temperatures B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK

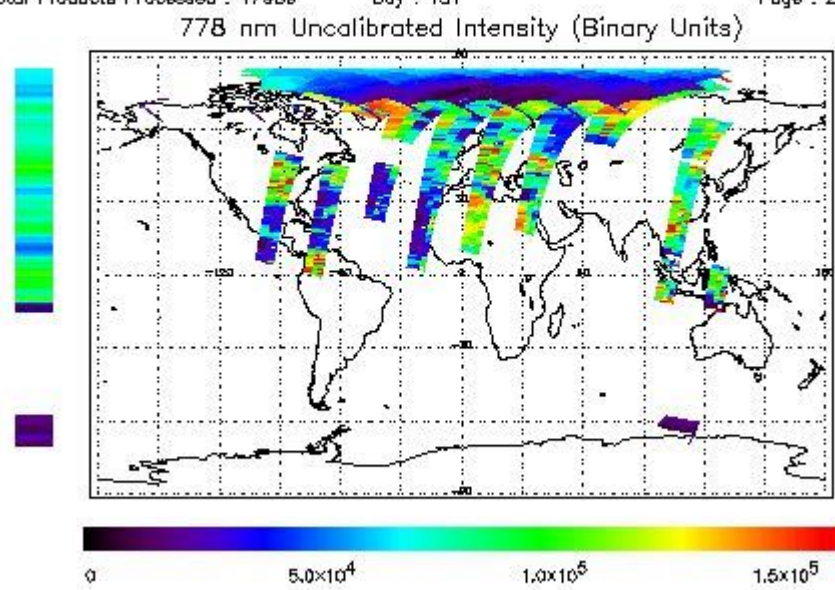
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	OK
331/338 nm Uncal. Line Ratio	OK
Uncal. PMDs as RGB signal	OK
780 nm 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 : 10-MAY-2010 23:45:44.361 : ORBIT : 78713.1580
 Last Product : 11-MAY-2010 23:23:15.567 : ORBIT : 78727.2488
 Total Products Processed : 17989 Day : 131 Page : 21

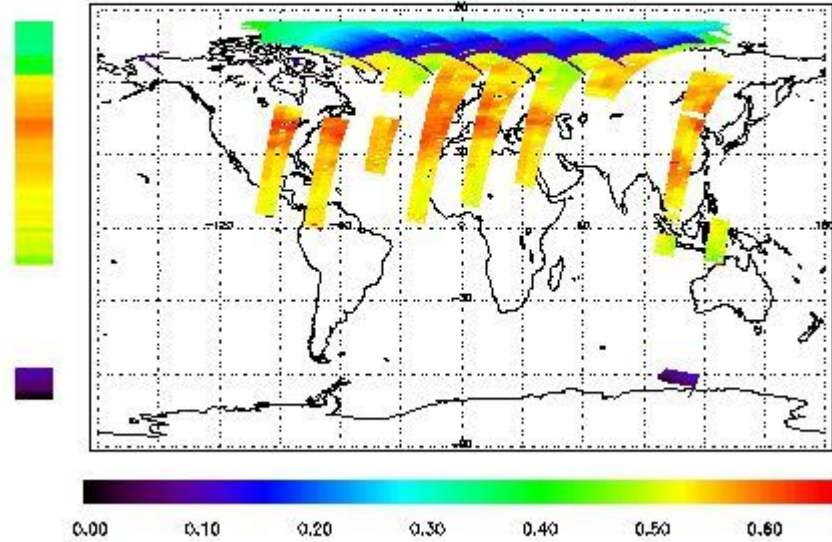


Ozone Line Ratio

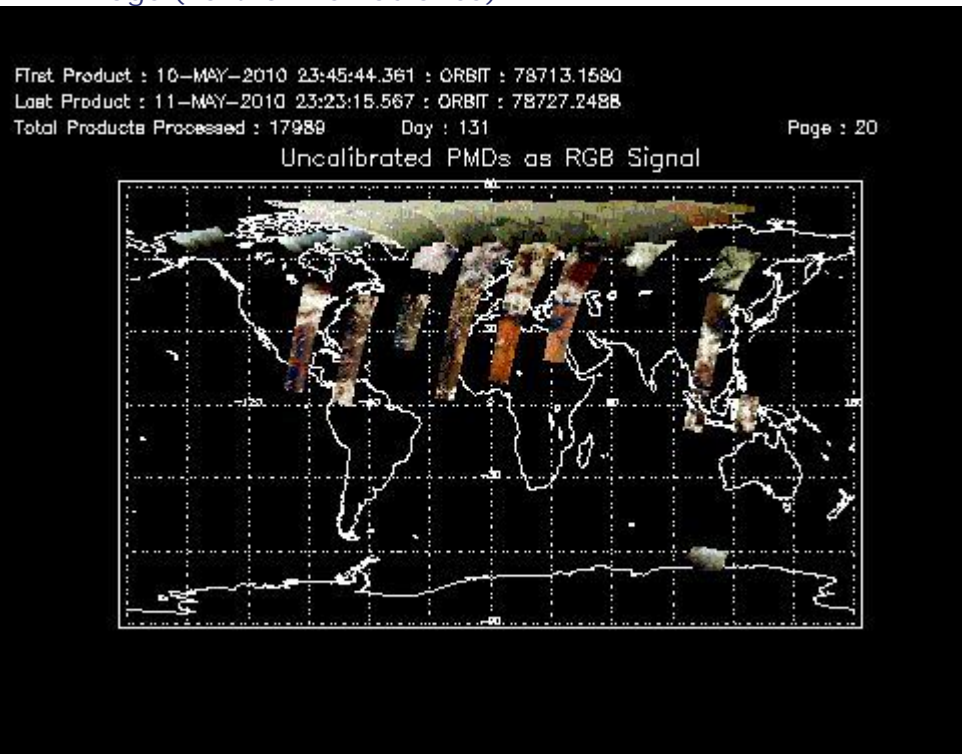
First Product : 10-MAY-2010 23:45:44.361 : ORBIT : 78713.1580
 Last Product : 11-MAY-2010 23:23:15.567 : ORBIT : 78727.2488
 Total Products Processed : 17989 Day : 131

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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
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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