

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	30-MAR-2010
Start Time of First Product	23:51:02 (29-Mar)
Stop Time of Last Product	23:43:27
Number of EGOI Products analysed	33
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100330BEEP2305.E2	30-MAR-2010	02:04:43.149
EGOI_100330BEEP2313.E2	30-MAR-2010	03:43:42.252
EGOI_100330CMEP7322.E2	30-MAR-2010	03:12:37.568
EGOI_100330CMEP7329.E2	30-MAR-2010	04:53:21.679
EGOI_100330CMEP7334.E2	30-MAR-2010	15:36:24.117
EGOI_100330GSEP2923.E2	30-MAR-2010	01:38:26.492
EGOI_100330GSEP2955.E2	30-MAR-2010	03:16:42.091
EGOI_100330GSEP2964.E2	30-MAR-2010	04:59:50.219
EGOI_100330KSEP6788.E2	30-MAR-2010	06:58:22.447

EGOI_100330KSEP6808.E2	30-MAR-2010	08:38:20.062
EGOI_100330KSEP6833.E2	30-MAR-2010	10:17:59.666
EGOI_100330KSEP6857.E2	30-MAR-2010	11:57:31.781
EGOI_100330KSEP6876.E2	30-MAR-2010	13:36:27.888
EGOI_100330KSEP6898.E2	30-MAR-2010	15:15:08.992
EGOI_100330KSEP6930.E2	30-MAR-2010	16:52:36.583
EGOI_100330KSEP6965.E2	30-MAR-2010	18:30:28.183
EGOI_100330KSEP7001.E2	30-MAR-2010	20:09:18.289
EGOI_100330KSEP7031.E2	30-MAR-2010	21:50:23.404
EGOI_100330KSEP7048.E2	30-MAR-2010	23:33:51.039
EGOI_100330MAEP0490.E2	30-MAR-2010	08:46:17.105
EGOI_100330MAEP0500.E2	30-MAR-2010	10:25:29.717
EGOI_100330MIEP7806.E2	30-MAR-2010	03:12:24.064
EGOI_100330MIEP7832.E2	30-MAR-2010	04:54:03.683
EGOI_100330MIEP7858.E2	30-MAR-2010	15:32:34.594
EGOI_100330MIEP7885.E2	30-MAR-2010	17:12:50.204
EGOI_100330MSEP0116.E2	29-MAR-2010	23:51:01.835
EGOI_100330MSEP0138.E2	30-MAR-2010	10:32:19.260
EGOI_100330MSEP0167.E2	30-MAR-2010	12:10:34.856
EGOI_100330MSEP0194.E2	30-MAR-2010	21:42:15.861
EGOI_100330MSEP0226.E2	30-MAR-2010	23:19:22.449
EGOI_100330SGEP4658.E2	30-MAR-2010	04:05:54.389
EGOI_100330SGEP4666.E2	30-MAR-2010	14:52:23.847
EGOI_100330SGEP4671.E2	30-MAR-2010	16:30:33.450

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	78116	30-MAR-2010	06:57:06.401	06:58:22.447	76.046000
KS	78117	30-MAR-2010	08:36:31.720	08:38:20.061	108.34100
KS	78118	30-MAR-2010	10:16:09.375	10:17:59.666	110.29100
KS	78119	30-MAR-2010	11:55:37.482	11:57:31.781	114.29900
KS	78120	30-MAR-2010	13:34:37.912	13:36:27.887	109.97500
KS	78121	30-MAR-2010	15:12:59.915	15:15:08.991	129.07600
KS	78122	30-MAR-2010	16:50:36.957	16:52:36.582	119.62500
KS	78123	30-MAR-2010	18:28:38.848	18:30:28.182	109.33400
KS	78124	30-MAR-2010	20:07:54.184	20:09:18.288	84.104000
KS	78125	30-MAR-2010	21:49:03.397	21:50:23.404	80.007000
GS	78113	30-MAR-2010	01:37:20.530	01:38:26.492	65.962000
GS	78114	30-MAR-2010	03:15:33.458	03:16:42.090	68.632000
MS	78112	29-MAR-2010	23:49:28.186	23:51:01.835	93.649000

MS	78118	30-MAR-2010	10:30:22.545	10:32:19.260	116.71500
MS	78119	30-MAR-2010	12:08:38.371	12:10:34.856	116.48500
MS	78126	30-MAR-2010	23:17:46.112	23:19:22.448	96.336000
MA	78118	30-MAR-2010	10:24:11.881	10:25:29.716	77.835000
MI	78114	30-MAR-2010	03:10:41.160	03:12:24.064	102.90400
MI	78115	30-MAR-2010	04:52:27.529	04:54:03.682	96.153000
MI	78121	30-MAR-2010	15:30:54.864	15:32:34.593	99.729000
MI	78122	30-MAR-2010	17:11:08.524	17:12:50.204	101.68000
BE	78113	30-MAR-2010	02:02:35.520	02:04:43.149	127.62900
BE	78114	30-MAR-2010	03:41:38.072	03:43:42.251	124.17900
SG	78114	30-MAR-2010	03:52:35.742	04:05:54.388	798.64600
SG	78120	30-MAR-2010	14:48:28.302	14:52:23.846	235.54400
SG	78121	30-MAR-2010	16:28:26.544	16:30:33.449	126.90500
CM	78114	30-MAR-2010	03:10:49.352	03:12:37.568	108.21600
CM	78121	30-MAR-2010	15:34:29.265	15:36:24.116	114.85100

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	78112	30-MAR-2010	00:43:42.225	00:57:48.117	845.89200
MM	78112	30-MAR-2010	00:55:31.354	01:06:06.558	635.20400
KS	78112	30-MAR-2010	00:06:32.955	00:11:21.466	288.51100
MM	78113	30-MAR-2010	02:38:07.094	02:46:30.008	502.91400
SG	78113	30-MAR-2010	02:15:24.256	02:25:04.207	579.95100
MM	78114	30-MAR-2010	04:21:12.491	04:27:26.172	373.68100
MM	78115	30-MAR-2010	06:03:31.976	06:09:34.946	362.97000
MM	78116	30-MAR-2010	07:44:35.107	07:52:39.254	484.14700
JO	78116	30-MAR-2010	07:22:38.811	07:36:18.343	819.53200
MM	78117	30-MAR-2010	09:25:01.105	09:35:21.341	620.23600
JO	78117	30-MAR-2010	09:01:39.754	09:15:38.795	839.04100
MM	78118	30-MAR-2010	11:05:10.028	11:17:03.827	713.79900
MM	78119	30-MAR-2010	12:45:05.517	12:57:42.522	757.00500
HO	78120	30-MAR-2010	14:33:55.632	14:45:36.026	700.39400
MM	78120	30-MAR-2010	14:24:46.363	14:37:29.485	763.12200
BE	78121	30-MAR-2010	14:58:46.463	15:11:09.041	742.57800
MM	78121	30-MAR-2010	16:04:10.922	16:16:45.559	754.63700

GS	78121	30-MAR-2010	15:24:54.199	15:38:30.881	816.68200
MM	78122	30-MAR-2010	17:43:21.822	17:55:53.885	752.06300
GS	78122	30-MAR-2010	17:04:33.905	17:17:09.634	755.72900
CM	78122	30-MAR-2010	17:13:23.631	17:24:21.541	657.91000
MM	78123	30-MAR-2010	19:22:31.518	19:35:11.379	759.86100
JO	78123	30-MAR-2010	19:42:42.852	19:55:36.291	773.43900
MM	78124	30-MAR-2010	21:02:01.752	21:14:44.878	763.12600
MA	78124	30-MAR-2010	20:00:52.235	20:14:14.278	802.04300
JO	78124	30-MAR-2010	21:21:19.263	21:35:45.002	865.73900
HO	78125	30-MAR-2010	22:34:19.078	22:46:50.968	751.89000
MM	78125	30-MAR-2010	22:42:15.395	22:54:34.120	738.72500
MA	78125	30-MAR-2010	21:40:35.865	21:53:13.993	758.12800

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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

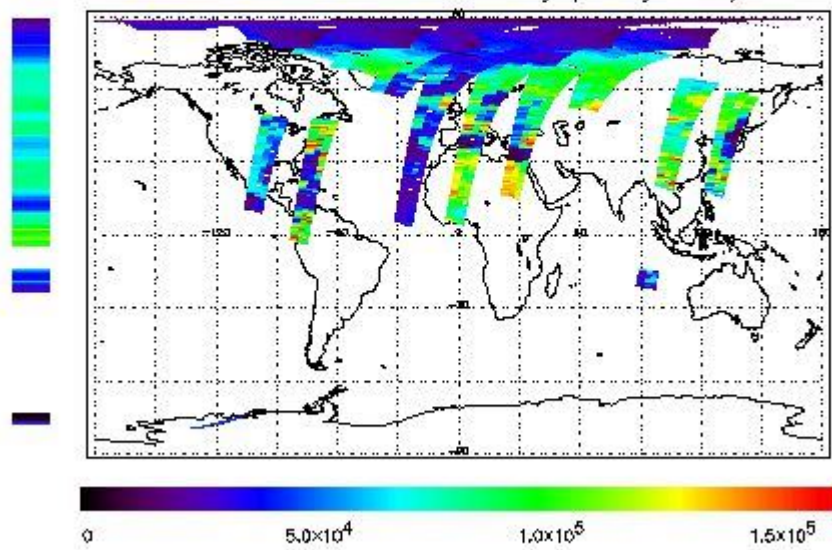
2.2 - Daily Plots

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 : 29-MAR-2010 23:51:01.835 : ORBIT : 78112.0106
 Last Product : 30-MAR-2010 23:43:27.097 : ORBIT : 78126.2495
 Total Products Processed : 15663 Day : 89 Page : 21

778 nm Uncalibrated Intensity (Binary Units)



Ozone Line Ratio

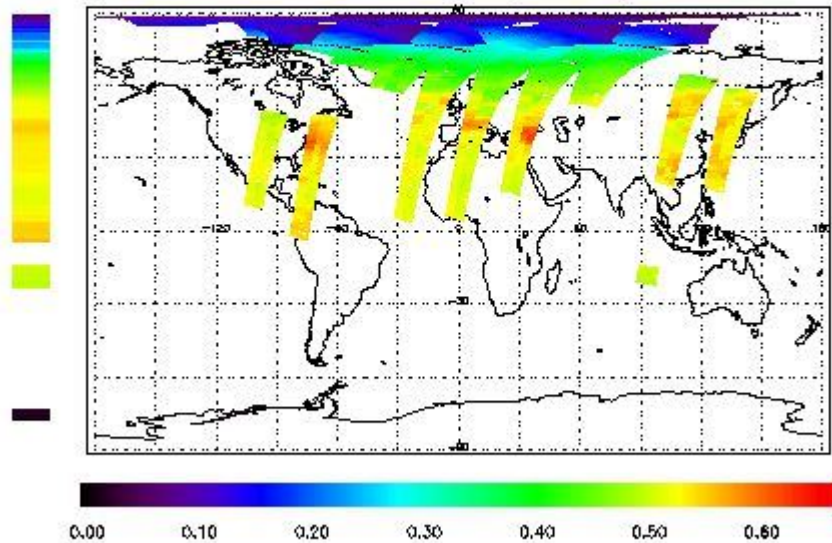
First Product : 29-MAR-2010 23:51:01.835 : ORBIT : 78112.0106

Last Product : 30-MAR-2010 23:43:27.097 : ORBIT : 78126.2495

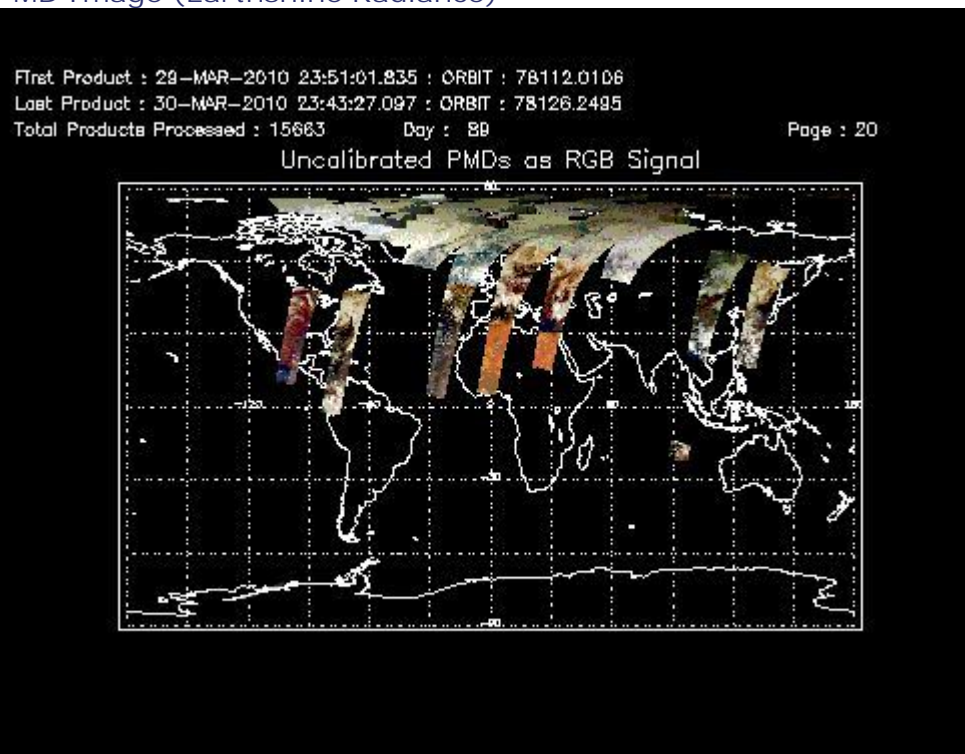
Total Products Processed : 15663 Day : 89

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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	15:17:04.499	--	78121	Yes	--	15301

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
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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
07:00 10-Mar	--	77830	--

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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