

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	14-MAR-2010
Start Time of First Product	23:54:07 (13-Mar)
Stop Time of Last Product	23:46:24
Number of EGOI Products analysed	34
Number of corrupted products	--
Anomalies and/or Special Operations	Narrow Swath operations performed as planned, start orbit: 77892

1.2 - List of received products

Name	Date	Time
EGOI_100314GSEP1691.E2	14-MAR-2010	01:41:19.191
EGOI_100314GSEP1723.E2	14-MAR-2010	03:19:46.794
EGOI_100314GSEP1732.E2	14-MAR-2010	05:02:44.430
EGOI_100314KSEP2215.E2	14-MAR-2010	07:01:19.659
EGOI_100314KSEP2235.E2	14-MAR-2010	08:41:18.770
EGOI_100314KSEP2259.E2	14-MAR-2010	10:20:58.378
EGOI_100314KSEP2285.E2	14-MAR-2010	12:00:28.988
EGOI_100314KSEP2303.E2	14-MAR-2010	13:39:25.124
EGOI_100314KSEP2320.E2	14-MAR-2010	15:18:04.731

EGOI_100314KSEP2349.E2	14-MAR-2010	16:55:30.827
EGOI_100314KSEP2385.E2	14-MAR-2010	18:33:28.431
EGOI_100314KSEP2420.E2	14-MAR-2010	20:12:17.034
EGOI_100314KSEP2450.E2	14-MAR-2010	21:53:26.654
EGOI_100314KSEP2477.E2	14-MAR-2010	23:37:01.788
EGOI_100314MAEP9830.E2	14-MAR-2010	08:48:47.314
EGOI_100314MAEP9840.E2	14-MAR-2010	10:28:22.425
EGOI_100314MAEP9862.E2	14-MAR-2010	20:05:42.491
EGOI_100314MIEP6034.E2	14-MAR-2010	01:42:04.195
EGOI_100314MIEP6060.E2	14-MAR-2010	03:15:18.267
EGOI_100314MIEP6085.E2	14-MAR-2010	04:57:15.897
EGOI_100314MIEP6112.E2	14-MAR-2010	15:35:34.836
EGOI_100314MIEP6139.E2	14-MAR-2010	17:15:50.452
EGOI_100314MMEP5517.E2	14-MAR-2010	00:58:48.929
EGOI_100314MMEP5524.E2	14-MAR-2010	02:41:25.559
EGOI_100314MMEP5534.E2	14-MAR-2010	11:08:57.171
EGOI_100314MSEP8229.E2	13-MAR-2010	23:54:06.533
EGOI_100314MSEP8251.E2	14-MAR-2010	10:35:11.964
EGOI_100314MSEP8280.E2	14-MAR-2010	12:13:36.572
EGOI_100314MSEP8308.E2	14-MAR-2010	21:45:20.603
EGOI_100314MSEP8340.E2	14-MAR-2010	23:22:21.198
EGOI_100314SGEP4256.E2	14-MAR-2010	02:19:29.922
EGOI_100314SGEP4264.E2	14-MAR-2010	03:57:15.521
EGOI_100314SGEP4270.E2	14-MAR-2010	14:55:10.585
EGOI_100314SGEP4276.E2	14-MAR-2010	16:33:47.198

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	77887	14-MAR-2010	06:59:56.239	07:01:19.658	83.419000
KS	77888	14-MAR-2010	08:39:22.483	08:41:18.770	116.28700
KS	77889	14-MAR-2010	10:19:00.104	10:20:58.378	118.27400
KS	77890	14-MAR-2010	11:58:27.688	12:00:28.988	121.30000
KS	77891	14-MAR-2010	13:37:27.034	13:39:25.124	118.09000
KS	77892	14-MAR-2010	15:15:45.518	15:18:04.730	139.21200
KS	77893	14-MAR-2010	16:53:24.457	16:55:30.826	126.36900
KS	77894	14-MAR-2010	18:31:27.762	18:33:28.431	120.66900
KS	77895	14-MAR-2010	20:10:45.834	20:12:17.034	91.200000
KS	77896	14-MAR-2010	21:51:58.867	21:53:26.654	87.787000
KS	77897	14-MAR-2010	23:35:56.766	23:37:01.788	65.022000
GS	77884	14-MAR-2010	01:40:05.195	01:41:19.190	73.995000

GS	77885	14-MAR-2010	03:18:25.734	03:19:46.793	81.059000
MS	77883	13-MAR-2010	23:52:23.174	23:54:06.533	103.35900
MS	77889	14-MAR-2010	10:33:07.042	10:35:11.964	124.92200
MS	77890	14-MAR-2010	12:11:30.017	12:13:36.572	126.55500
MS	77897	14-MAR-2010	23:20:37.434	23:22:21.198	103.76400
MA	77889	14-MAR-2010	10:27:01.875	10:28:22.424	80.549000
MA	77895	14-MAR-2010	20:03:38.754	20:05:42.490	123.73600
MI	77885	14-MAR-2010	03:13:29.455	03:15:18.266	108.81100
MI	77886	14-MAR-2010	04:55:32.516	04:57:15.896	103.38000
MI	77892	14-MAR-2010	15:33:42.904	15:35:34.835	111.93100
MI	77893	14-MAR-2010	17:14:05.273	17:15:50.451	105.17800
SG	77884	14-MAR-2010	02:18:02.262	02:19:29.922	87.660000
SG	77884	14-MAR-2010	02:24:14.949	02:28:05.597	230.64800
SG	77885	14-MAR-2010	03:55:28.579	03:57:15.521	106.94200
SG	77885	14-MAR-2010	04:04:02.064	04:08:51.431	289.36700
SG	77891	14-MAR-2010	14:51:13.874	14:55:10.584	236.71000
SG	77892	14-MAR-2010	16:31:25.164	16:33:47.198	142.03400

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	77883	14-MAR-2010	00:46:36.605	01:00:36.379	839.77400
KS	77883	14-MAR-2010	00:09:39.763	00:14:06.320	266.55700
BE	77884	14-MAR-2010	02:05:22.706	02:17:27.973	725.26700
BE	77885	14-MAR-2010	03:44:30.009	03:57:14.134	764.12500
MM	77885	14-MAR-2010	04:24:08.952	04:30:20.075	371.12300
CM	77885	14-MAR-2010	03:13:31.520	03:24:03.357	631.83700
CM	77885	14-MAR-2010	04:52:28.905	05:03:21.851	652.94600
MM	77886	14-MAR-2010	06:06:26.113	06:12:31.248	365.13500
MM	77887	14-MAR-2010	07:47:27.633	07:55:35.915	488.28200
JO	77887	14-MAR-2010	07:25:23.458	07:39:11.747	828.28900
MM	77888	14-MAR-2010	09:27:52.986	09:38:16.599	623.61300
JO	77888	14-MAR-2010	09:04:35.003	09:18:25.464	830.46100
HO	77889	14-MAR-2010	11:18:38.841	11:28:55.493	616.65200
HO	77890	14-MAR-2010	12:56:33.149	13:11:22.586	889.43700
MM	77890	14-MAR-2010	12:47:56.611	13:00:34.211	757.60000

HO	77891	14-MAR-2010	14:36:49.154	14:48:20.782	691.62800
MM	77891	14-MAR-2010	14:27:37.010	14:40:19.975	762.96500
SG	77891	14-MAR-2010	14:51:13.874	15:04:18.530	784.65600
BE	77892	14-MAR-2010	15:01:41.927	15:13:56.694	734.76700
MM	77892	14-MAR-2010	16:07:01.104	16:19:35.515	754.41100
GS	77892	14-MAR-2010	15:27:43.661	15:41:23.723	820.06200
CM	77892	14-MAR-2010	15:37:12.911	15:47:51.460	638.54900
MM	77893	14-MAR-2010	17:46:11.743	17:58:43.916	752.17300
GS	77893	14-MAR-2010	17:07:26.117	17:19:54.854	748.73700
CM	77893	14-MAR-2010	17:16:18.725	17:27:04.860	646.13500
MM	77894	14-MAR-2010	19:25:21.695	19:38:01.817	760.12200
JO	77894	14-MAR-2010	19:45:27.843	19:58:33.730	785.88700
MM	77895	14-MAR-2010	21:04:52.870	21:17:35.790	762.92000
JO	77895	14-MAR-2010	21:24:11.634	21:38:31.366	859.73200
HO	77896	14-MAR-2010	22:37:02.665	22:49:42.877	760.21200
MM	77896	14-MAR-2010	22:45:08.037	22:57:25.450	737.41300
MA	77896	14-MAR-2010	21:43:49.478	21:56:01.369	731.89100

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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	Polar View operated
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

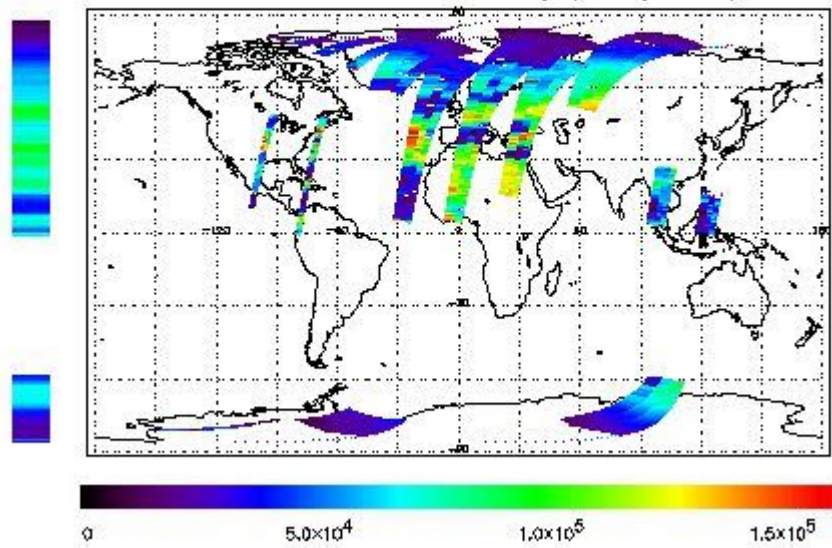
2.2 - Daily Plots

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

F1ret Product : 13-MAR-2010 23:54:06.533 : ORBIT : 77883.0126
 Last Product : 14-MAR-2010 23:48:24.342 : ORBIT : 77897.2503
 Total Products Processed : 16162 Day : 73 Page : 21

778 nm Uncalibrated Intensity (Binary Units)



Ozone Line Ratio

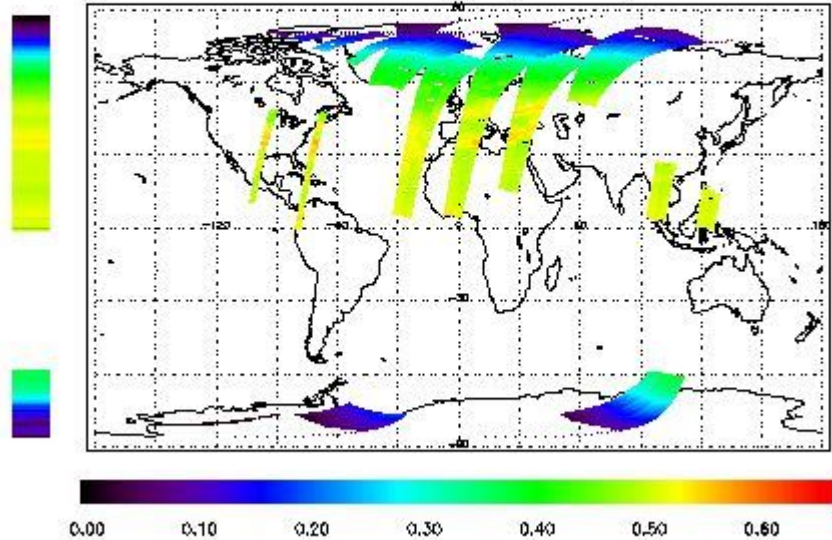
First Product : 13-MAR-2010 23:54:06.533 : ORBIT : 77883.0126

Last Product : 14-MAR-2010 23:46:24.342 : ORBIT : 77897.2503

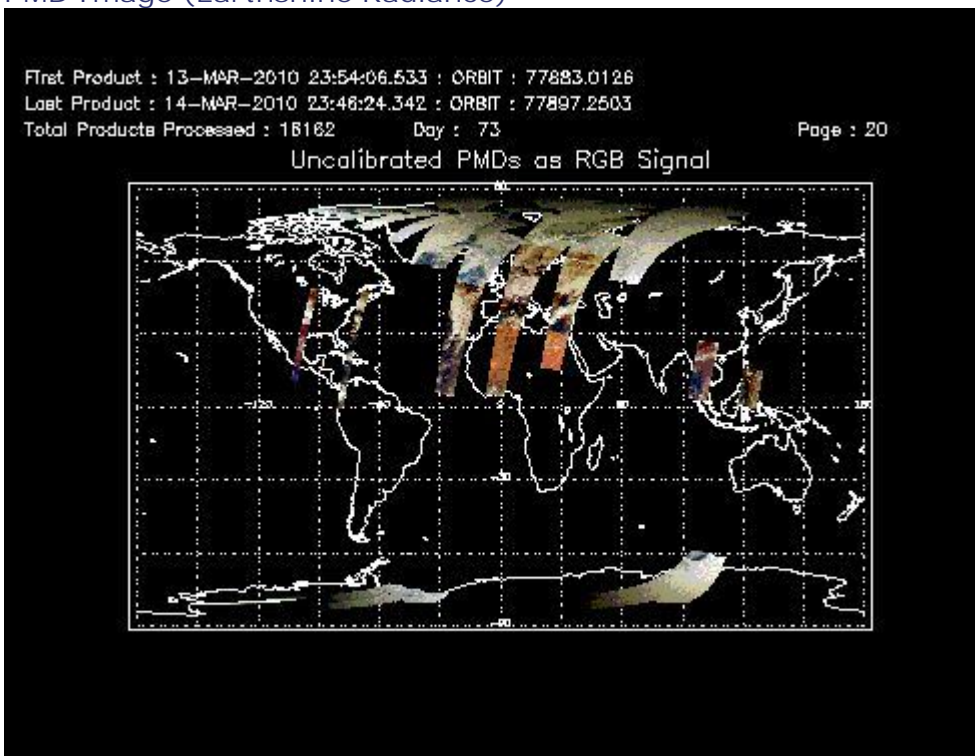
Total Products Processed : 18182 Day : 73

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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	13:41:19.135	--	77891	Yes	--	15439

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
15:00	--	77892	--

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