

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	05-MAR-2010
Start Time of First Product	23:52:20 (04-Mar)
Stop Time of Last Product	23:29:26
Number of EGOI Products analysed	37
Number of corrupted products	--
Anomalies and/or Special Operations	Narrow Swath continued from previous day, stop orbit: 77763; long science dump over MA, orbit 77767, time interval: 21:28:11-21:34:19

1.2 - List of received products

Name	Date	Time
EGOI_100305BEEP2070.E2	05-MAR-2010	03:29:28.805
EGOI_100305CMEP6920.E2	05-MAR-2010	03:00:37.629
EGOI_100305CMEP6926.E2	05-MAR-2010	04:39:14.240
EGOI_100305CMEP6930.E2	05-MAR-2010	15:21:42.184
EGOI_100305CMEP6939.E2	05-MAR-2010	16:59:54.788
EGOI_100305GSEP1070.E2	05-MAR-2010	01:25:08.550
EGOI_100305GSEP1102.E2	05-MAR-2010	03:02:39.141
EGOI_100305GSEP1130.E2	05-MAR-2010	04:45:14.275
EGOI_100305GSEP1136.E2	05-MAR-2010	06:27:07.401

EGOI_100305HLEP5204.E2	05-MAR-2010	22:22:41.772
EGOI_100305KSEP9676.E2	04-MAR-2010	23:52:13.973
EGOI_100305KSEP9694.E2	05-MAR-2010	06:44:21.004
EGOI_100305KSEP9715.E2	05-MAR-2010	08:24:17.118
EGOI_100305KSEP9738.E2	05-MAR-2010	10:03:56.728
EGOI_100305KSEP9762.E2	05-MAR-2010	11:43:31.848
EGOI_100305KSEP9784.E2	05-MAR-2010	13:22:32.451
EGOI_100305KSEP9799.E2	05-MAR-2010	15:01:15.055
EGOI_100305KSEP9817.E2	05-MAR-2010	16:38:48.655
EGOI_100305KSEP9849.E2	05-MAR-2010	18:16:52.263
EGOI_100305KSEP9884.E2	05-MAR-2010	19:55:19.862
EGOI_100305KSEP9908.E2	05-MAR-2010	21:36:09.986
EGOI_100305KSEP9935.E2	05-MAR-2010	23:19:04.613
EGOI_100305MAEP9549.E2	05-MAR-2010	08:32:06.665
EGOI_100305MAEP9565.E2	05-MAR-2010	10:11:25.279
EGOI_100305MAEP9582.E2	05-MAR-2010	21:28:11.435
EGOI_100305MIEP5157.E2	05-MAR-2010	02:58:34.617
EGOI_100305MIEP5183.E2	05-MAR-2010	04:39:09.740
EGOI_100305MIEP5209.E2	05-MAR-2010	15:18:49.669
EGOI_100305MIEP5237.E2	05-MAR-2010	16:58:24.780
EGOI_100305MSEP7192.E2	05-MAR-2010	10:18:52.326
EGOI_100305MSEP7221.E2	05-MAR-2010	11:56:28.923
EGOI_100305MSEP7240.E2	05-MAR-2010	13:38:37.050
EGOI_100305MSEP7258.E2	05-MAR-2010	21:29:26.443
EGOI_100305MSEP7290.E2	05-MAR-2010	23:05:22.531
EGOI_100305SGEP4117.E2	05-MAR-2010	02:04:49.288
EGOI_100305SGEP4125.E2	05-MAR-2010	14:37:49.414
EGOI_100305SGEP4130.E2	05-MAR-2010	16:16:00.518

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	77754	04-MAR-2010	23:51:09.329	23:52:13.972	64.643000
KS	77758	05-MAR-2010	06:42:58.311	06:44:21.004	82.693000
KS	77759	05-MAR-2010	08:22:18.030	08:24:17.118	119.08800
KS	77760	05-MAR-2010	10:01:55.619	10:03:56.727	121.10800
KS	77761	05-MAR-2010	11:41:26.129	11:43:31.847	125.71800
KS	77762	05-MAR-2010	13:20:31.733	13:22:32.450	120.71700
KS	77763	05-MAR-2010	14:59:05.991	15:01:15.054	129.06300
KS	77764	05-MAR-2010	16:36:42.909	16:38:48.655	125.74600
KS	77765	05-MAR-2010	18:14:35.174	18:16:52.263	137.08900
KS	77766	05-MAR-2010	19:53:37.308	19:55:19.861	102.55300

KS	77767	05-MAR-2010	21:34:27.933	21:36:09.986	102.05300
KS	77768	05-MAR-2010	23:17:51.245	23:19:04.613	73.368000
GS	77755	05-MAR-2010	01:23:40.851	01:25:08.550	87.699000
GS	77756	05-MAR-2010	03:01:15.499	03:02:39.140	83.641000
GS	77757	05-MAR-2010	04:43:51.987	04:45:14.274	82.287000
MS	77760	05-MAR-2010	10:16:43.662	10:18:52.326	128.66400
MS	77761	05-MAR-2010	11:54:16.990	11:56:28.923	131.93300
MS	77768	05-MAR-2010	23:03:33.966	23:05:22.531	108.56500
MA	77760	05-MAR-2010	10:09:59.665	10:11:25.279	85.614000
MA	77767	05-MAR-2010	21:26:04.639	21:28:11.434	126.79500
MI	77756	05-MAR-2010	02:56:44.515	02:58:34.616	110.10100
MI	77757	05-MAR-2010	04:37:18.099	04:39:09.739	111.64000
MI	77763	05-MAR-2010	15:16:58.692	15:18:49.668	110.97600
MI	77764	05-MAR-2010	16:56:30.760	16:58:24.779	114.01900
BE	77756	05-MAR-2010	03:27:20.076	03:29:28.804	128.72800
SG	77755	05-MAR-2010	02:02:34.380	02:04:49.287	134.90700
SG	77755	05-MAR-2010	02:05:02.790	02:09:37.884	275.09400
SG	77762	05-MAR-2010	14:34:46.959	14:37:49.413	182.45400
SG	77763	05-MAR-2010	16:13:41.972	16:16:00.518	138.54600
CM	77756	05-MAR-2010	02:57:28.450	03:00:37.628	189.17800
CM	77764	05-MAR-2010	16:58:53.588	16:59:54.787	61.199000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	77754	05-MAR-2010	00:29:05.334	00:43:42.425	877.09100
MM	77754	05-MAR-2010	00:40:56.740	00:51:47.541	650.80100
BE	77755	05-MAR-2010	01:48:43.492	01:59:44.550	661.05800
MM	77755	05-MAR-2010	02:23:24.650	02:32:08.156	523.50600
MM	77756	05-MAR-2010	04:06:29.626	04:12:57.580	387.95400
SG	77756	05-MAR-2010	03:38:16.339	03:52:04.932	828.59300
MM	77757	05-MAR-2010	05:49:00.241	05:54:54.242	354.00100
MM	77758	05-MAR-2010	07:30:12.043	07:37:55.637	463.59400
JO	77758	05-MAR-2010	07:09:01.083	07:21:47.886	766.80300
MM	77759	05-MAR-2010	09:10:41.503	09:20:44.294	602.79100
JO	77759	05-MAR-2010	08:47:08.768	09:01:41.638	872.87000

MM	77760	05-MAR-2010	10:50:52.432	11:02:36.077	703.64500
MM	77761	05-MAR-2010	12:30:49.872	12:43:23.424	753.55200
MA	77761	05-MAR-2010	11:51:59.580	11:57:05.331	305.75100
HO	77762	05-MAR-2010	14:19:29.910	14:32:10.029	760.11900
MM	77762	05-MAR-2010	14:10:32.930	14:23:16.644	763.71400
SG	77762	05-MAR-2010	14:34:46.959	14:46:48.148	721.18900
BE	77763	05-MAR-2010	14:44:14.022	14:57:07.960	773.93800
MM	77763	05-MAR-2010	15:49:59.827	16:02:35.679	755.85200
GS	77763	05-MAR-2010	15:10:48.522	15:24:02.932	794.41000
MM	77764	05-MAR-2010	17:29:12.175	17:41:43.843	751.66800
GS	77764	05-MAR-2010	16:50:14.055	17:03:20.168	786.11300
MM	77765	05-MAR-2010	19:08:20.871	19:20:59.389	758.51800
JO	77765	05-MAR-2010	19:29:04.272	19:40:41.283	697.01100
MM	77766	05-MAR-2010	20:47:46.691	21:00:30.510	763.81900
MA	77766	05-MAR-2010	19:47:03.238	19:59:41.198	757.96000
JO	77766	05-MAR-2010	21:07:00.063	21:21:48.702	888.63900
HO	77767	05-MAR-2010	22:20:43.730	22:32:30.251	706.52100
MM	77767	05-MAR-2010	22:27:52.924	22:40:17.638	744.71400
HO	77768	05-MAR-2010	23:57:58.438	00:12:29.488	871.05000

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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

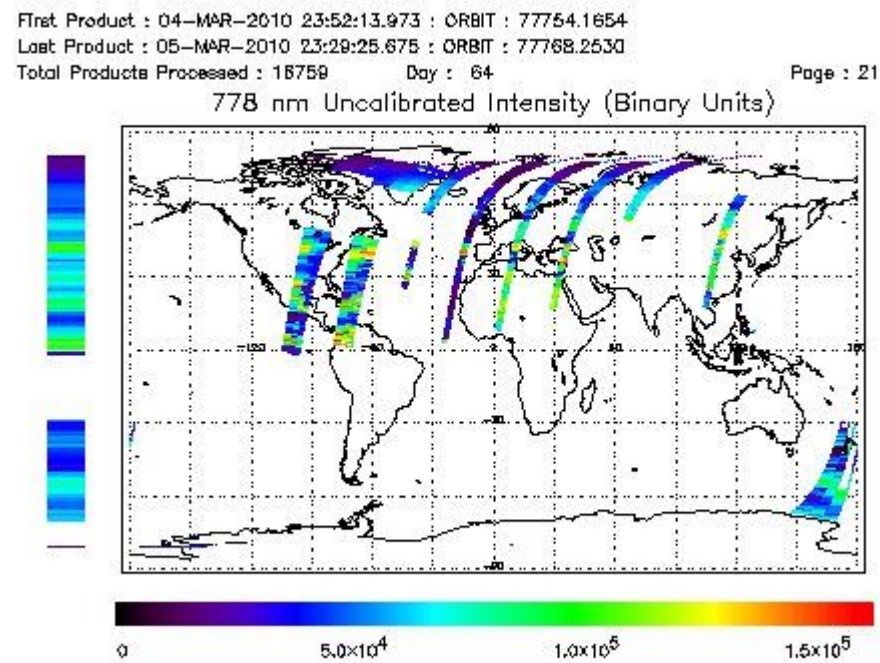
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration 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



Ozone Line Ratio

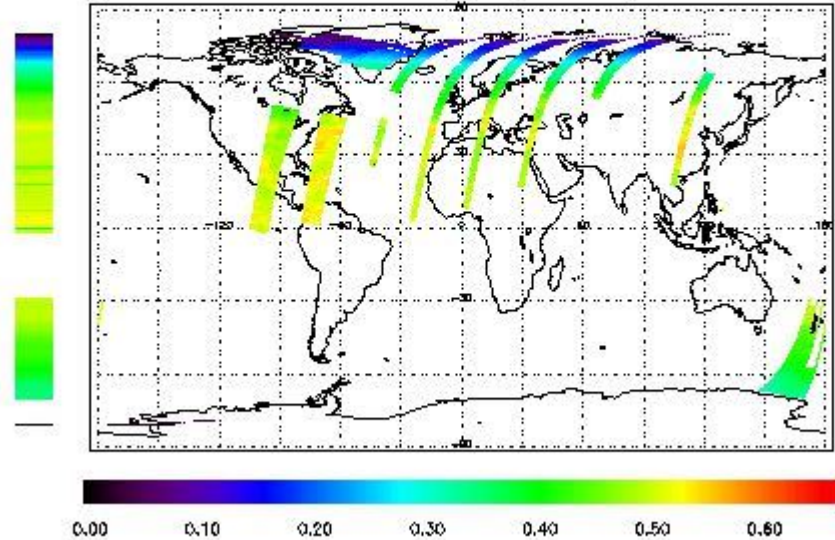
First Product : 04-MAR-2010 23:52:13.973 : ORBIT : 77754.1654

Last Product : 05-MAR-2010 23:29:25.675 : ORBIT : 77768.2530

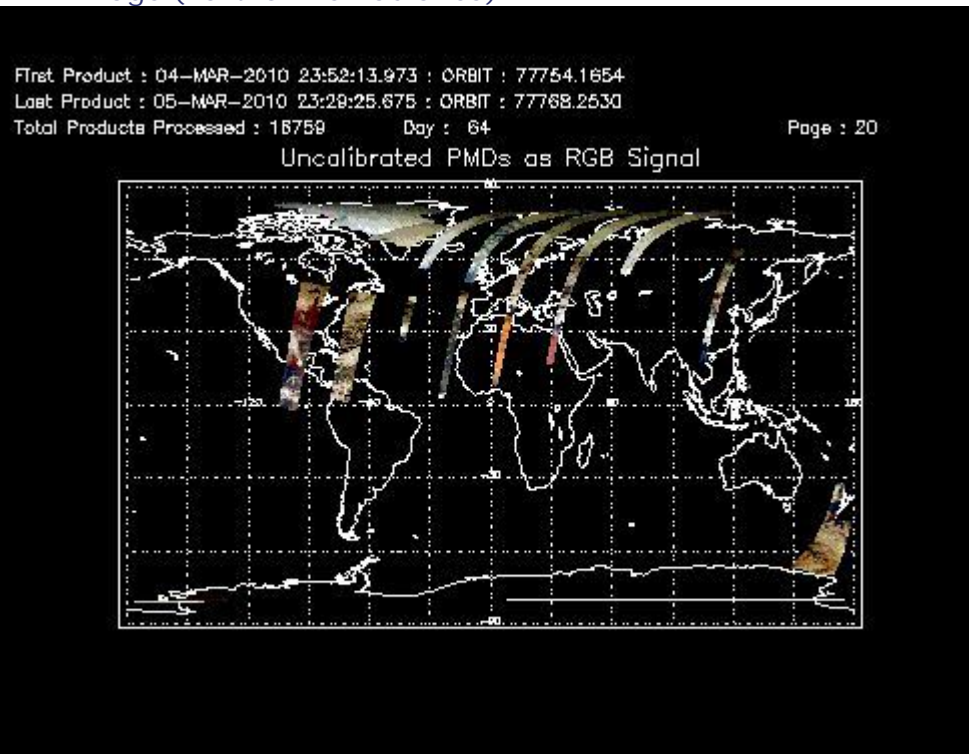
Total Products Processed : 18759 Day : 64

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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	15:05:46.586	--	77763	Yes	--	15173

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
--	--	--	--	--

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
17:00	14:30	77750	77763

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