

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	24-NOV-2010
Start Time of First Product	23:56:30 (23-Nov)
Stop Time of Last Product	23:32:45
Number of EGOI Products analysed	33
Number of corrupted products	--
Anomalies and/or Special Operations	Narrow Swath performed as planned, orbit start: 81542

1.2 - List of received products

Name	Date	Time
EGOI_101124CMEP2021.E2	24-NOV-2010	03:01:29.831
EGOI_101124CMEP2029.E2	24-NOV-2010	04:41:51.450
EGOI_101124CMEP2038.E2	24-NOV-2010	15:25:04.718
EGOI_101124CMEP2045.E2	24-NOV-2010	17:03:17.326
EGOI_101124HLEP8526.E2	24-NOV-2010	22:25:52.323
EGOI_101124KSEP2506.E2	23-NOV-2010	23:56:30.183
EGOI_101124KSEP2519.E2	24-NOV-2010	06:47:28.226
EGOI_101124KSEP2537.E2	24-NOV-2010	08:27:37.853
EGOI_101124KSEP2555.E2	24-NOV-2010	10:07:17.469

EGOI_101124KSEP2576.E2	24-NOV-2010	11:46:51.088
EGOI_101124KSEP2605.E2	24-NOV-2010	13:25:50.481
EGOI_101124KSEP2627.E2	24-NOV-2010	15:04:31.592
EGOI_101124KSEP2651.E2	24-NOV-2010	16:42:06.701
EGOI_101124KSEP2680.E2	24-NOV-2010	18:20:01.301
EGOI_101124KSEP2711.E2	24-NOV-2010	19:58:37.917
EGOI_101124KSEP2733.E2	24-NOV-2010	21:39:29.544
EGOI_101124KSEP2756.E2	24-NOV-2010	23:23:15.184
EGOI_101124MAEP0084.E2	24-NOV-2010	08:35:27.388
EGOI_101124MAEP0099.E2	24-NOV-2010	10:14:13.003
EGOI_101124MAEP0115.E2	24-NOV-2010	21:32:50.500
EGOI_101124MIEP6012.E2	24-NOV-2010	03:01:52.331
EGOI_101124MIEP6038.E2	24-NOV-2010	04:42:37.954
EGOI_101124MIEP6059.E2	24-NOV-2010	15:22:04.698
EGOI_101124MIEP6084.E2	24-NOV-2010	17:01:47.319
EGOI_101124MSEP7624.E2	24-NOV-2010	10:22:01.063
EGOI_101124MSEP7653.E2	24-NOV-2010	11:59:43.667
EGOI_101124MSEP7666.E2	24-NOV-2010	13:42:14.583
EGOI_101124MSEP7684.E2	24-NOV-2010	21:32:28.001
EGOI_101124MSEP7715.E2	24-NOV-2010	23:08:40.594
EGOI_101124SGEP9637.E2	24-NOV-2010	02:07:03.995
EGOI_101124SGEP9644.E2	24-NOV-2010	03:43:27.090
EGOI_101124SGEP9651.E2	24-NOV-2010	14:41:22.447
EGOI_101124SGEP9656.E2	24-NOV-2010	16:19:17.056

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	81533	23-NOV-2010	23:54:12.980	23:56:30.183	137.20300
KS	81537	24-NOV-2010	06:45:47.764	06:47:28.225	100.46100
KS	81538	24-NOV-2010	08:25:08.750	08:27:37.852	149.10200
KS	81539	24-NOV-2010	10:04:46.384	10:07:17.468	151.08400
KS	81540	24-NOV-2010	11:44:16.443	11:46:51.087	154.64400
KS	81541	24-NOV-2010	13:23:21.044	13:25:50.481	149.43700
KS	81542	24-NOV-2010	15:01:53.275	15:04:31.591	158.31600
KS	81543	24-NOV-2010	16:39:29.828	16:42:06.701	156.87300
KS	81544	24-NOV-2010	18:17:23.793	18:20:01.300	157.50700
KS	81545	24-NOV-2010	19:56:28.504	19:58:37.916	129.41200
KS	81546	24-NOV-2010	21:37:22.780	21:39:29.544	126.76400
KS	81547	24-NOV-2010	23:20:51.562	23:23:15.183	143.62100
MS	81539	24-NOV-2010	10:19:26.529	10:22:01.062	154.53300

MS	81540	24-NOV-2010	11:57:09.629	11:59:43.667	154.03800
MS	81547	24-NOV-2010	23:06:23.807	23:08:40.593	136.78600
MA	81538	24-NOV-2010	08:33:56.122	08:35:27.388	91.266000
MA	81539	24-NOV-2010	10:12:51.139	10:14:13.003	81.864000
MA	81546	24-NOV-2010	21:28:58.312	21:32:50.500	232.18800
MI	81535	24-NOV-2010	02:59:31.186	03:01:52.330	141.14400
MI	81536	24-NOV-2010	04:40:18.296	04:42:37.953	139.65700
MI	81542	24-NOV-2010	15:19:45.351	15:22:04.698	139.34700
MI	81543	24-NOV-2010	16:59:25.610	17:01:47.319	141.70900
SG	81534	24-NOV-2010	02:05:04.775	02:07:03.995	119.22000
SG	81534	24-NOV-2010	02:11:29.522	02:12:46.617	77.095000
SG	81535	24-NOV-2010	03:41:07.600	03:43:27.089	139.48900
SG	81535	24-NOV-2010	03:50:57.132	03:54:53.508	236.37600
SG	81541	24-NOV-2010	14:37:30.286	14:41:22.447	232.16100
SG	81542	24-NOV-2010	16:16:37.877	16:19:17.056	159.17900
CM	81535	24-NOV-2010	03:00:07.114	03:01:29.831	82.717000
CM	81542	24-NOV-2010	15:23:40.967	15:25:04.718	83.751000
CM	81543	24-NOV-2010	17:01:46.930	17:03:17.326	90.396000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	81533	24-NOV-2010	00:32:01.442	00:46:32.323	870.88100
MM	81533	24-NOV-2010	00:43:51.558	00:54:39.321	647.76300
BE	81534	24-NOV-2010	01:51:29.317	02:02:42.857	673.54000
MM	81534	24-NOV-2010	02:26:21.076	02:35:00.482	519.40600
GS	81534	24-NOV-2010	01:26:24.287	01:38:00.622	696.33500
BE	81535	24-NOV-2010	03:30:11.455	03:43:18.206	786.75100
MM	81535	24-NOV-2010	04:09:26.266	04:15:51.181	384.91500
GS	81535	24-NOV-2010	03:04:06.644	03:18:00.538	833.89400
MM	81536	24-NOV-2010	05:51:54.733	05:57:50.270	355.53700
GS	81536	24-NOV-2010	04:46:55.601	04:55:46.619	531.01800
MM	81537	24-NOV-2010	07:33:04.717	07:40:52.398	467.68100
JO	81537	24-NOV-2010	07:11:43.855	07:24:42.471	778.61600
MM	81538	24-NOV-2010	09:13:33.452	09:23:39.805	606.35300
JO	81538	24-NOV-2010	08:50:02.298	09:04:29.543	867.24500

HO	81539	24-NOV-2010	11:05:10.972	11:13:57.527	526.55500
MM	81539	24-NOV-2010	10:53:43.974	11:05:29.735	705.76100
HO	81540	24-NOV-2010	12:42:26.072	12:57:09.794	883.72200
MM	81540	24-NOV-2010	12:33:41.025	12:46:15.333	754.30800
MA	81540	24-NOV-2010	11:55:05.037	11:59:33.746	268.70900
HO	81541	24-NOV-2010	14:22:22.824	14:34:55.517	752.69300
MM	81541	24-NOV-2010	14:13:23.644	14:26:07.268	763.62400
SG	81541	24-NOV-2010	14:37:30.286	14:49:44.276	733.99000
BE	81542	24-NOV-2010	14:47:07.890	14:59:56.525	768.63500
MM	81542	24-NOV-2010	15:52:50.072	16:05:25.671	755.59900
GS	81542	24-NOV-2010	15:13:37.426	15:26:57.036	799.61000
MM	81543	24-NOV-2010	17:32:02.113	17:44:33.839	751.72600
GS	81543	24-NOV-2010	16:53:05.871	17:06:06.504	780.63300
MM	81544	24-NOV-2010	19:11:10.971	19:23:49.761	758.79000
JO	81544	24-NOV-2010	19:31:47.024	19:43:41.444	714.42000
MM	81545	24-NOV-2010	20:50:37.635	21:03:21.358	763.72300
MA	81545	24-NOV-2010	19:49:48.549	20:02:37.442	768.89300
JO	81545	24-NOV-2010	21:09:51.558	21:24:36.547	884.98900
HO	81546	24-NOV-2010	22:23:26.254	22:35:22.558	716.30400
MM	81546	24-NOV-2010	22:30:45.322	22:43:08.913	743.59100

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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

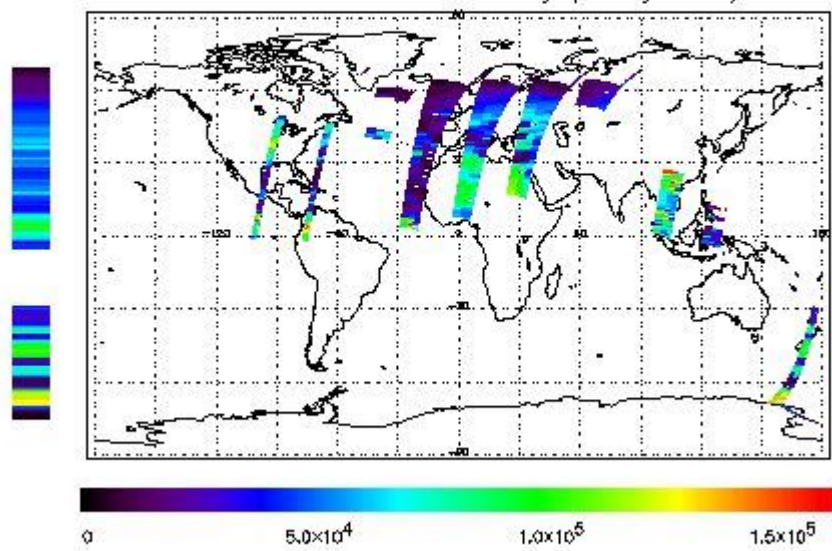
2.2 - Daily Plots

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 : 23-NOV-2010 23:56:30.183 : ORBIT : 81533.1793
 Last Product : 24-NOV-2010 23:32:45.242 : ORBIT : 81547.2575
 Total Products Processed : 14808 Day : 328 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

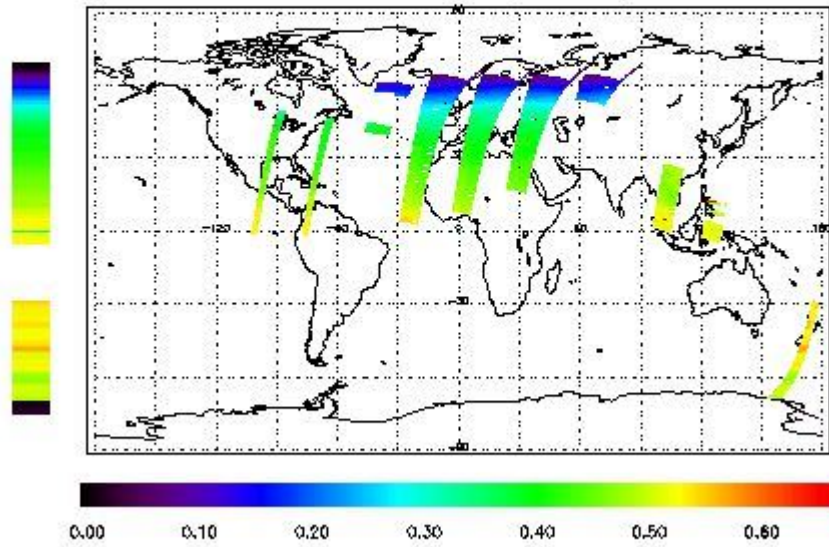


Ozone Line Ratio

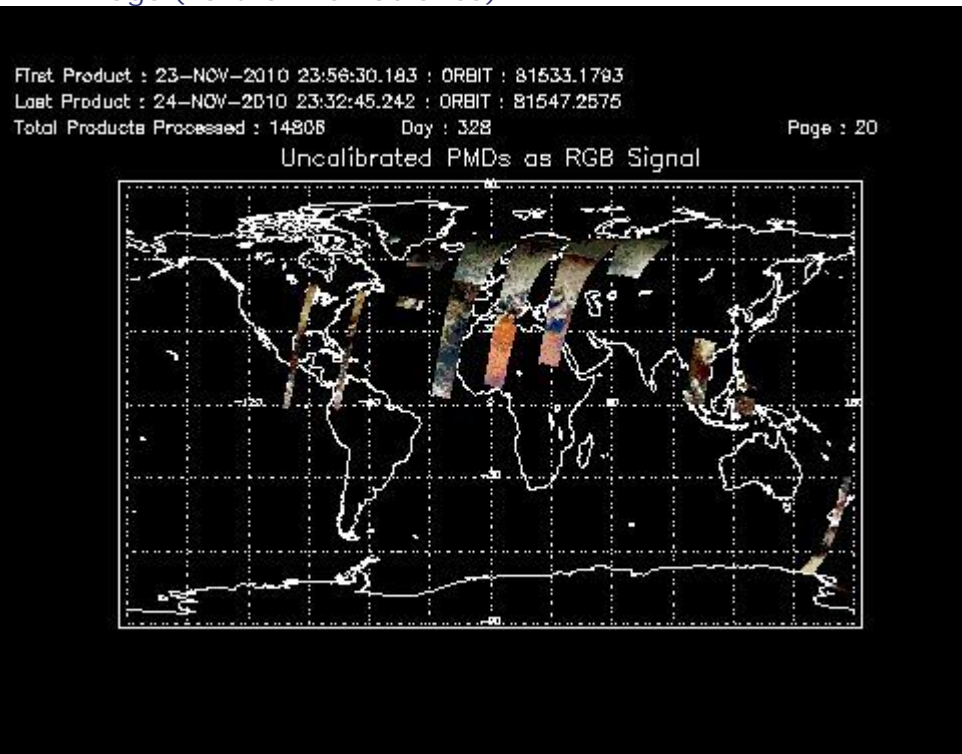
First Product : 23-NOV-2010 23:56:30.183 : ORBIT : 81533.1793
 Last Product : 24-NOV-2010 23:32:45.242 : ORBIT : 81547.2575
 Total Products Processed : 14808 Day : 328

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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	13:33:10.023	--	81541	Yes	--	15700

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)
--	--	--	--	--	--	--	--

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

5 - Instrument Operations

Additional Info

5.1 - Timeline Interruptions

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
--	--	--	--	--

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	--	81542	--

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