

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	01-JAN-2011
Start Time of First Product	23:46:02 (31-Dec)
Stop Time of Last Product	23:38:30
Number of EGOI Products analysed	31
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_110101GSEP2532.E2	01-JAN-2011	01:33:57.934
EGOI_110101GSEP2564.E2	01-JAN-2011	03:11:52.540
EGOI_110101GSEP2573.E2	01-JAN-2011	04:54:47.175
EGOI_110101KSEP1979.E2	01-JAN-2011	06:53:11.911
EGOI_110101KSEP1998.E2	01-JAN-2011	08:33:23.031
EGOI_110101KSEP2018.E2	01-JAN-2011	10:13:02.647
EGOI_110101KSEP2047.E2	01-JAN-2011	11:52:31.764
EGOI_110101KSEP2065.E2	01-JAN-2011	13:31:33.879
EGOI_110101KSEP2074.E2	01-JAN-2011	15:10:13.491

EGOI_110101KSEP2097.E2	01-JAN-2011	16:47:47.095
EGOI_110101KSEP2127.E2	01-JAN-2011	18:25:29.696
EGOI_110101KSEP2158.E2	01-JAN-2011	20:04:19.812
EGOI_110101KSEP2185.E2	01-JAN-2011	21:45:24.937
EGOI_110101KSEP2210.E2	01-JAN-2011	23:28:39.077
EGOI_110101MAEP1433.E2	01-JAN-2011	08:42:12.585
EGOI_110101MAEP1445.E2	01-JAN-2011	10:20:49.193
EGOI_110101MAEP1466.E2	01-JAN-2011	19:58:18.276
EGOI_110101MAEP1483.E2	01-JAN-2011	21:39:32.400
EGOI_110101MIEP9423.E2	01-JAN-2011	03:07:31.513
EGOI_110101MIEP9449.E2	01-JAN-2011	04:48:42.640
EGOI_110101MIEP9473.E2	01-JAN-2011	15:27:48.093
EGOI_110101MIEP9499.E2	01-JAN-2011	17:07:41.217
EGOI_110101MSEP1980.E2	31-DEC-2010	23:46:01.767
EGOI_110101MSEP2002.E2	01-JAN-2011	10:27:35.739
EGOI_110101MSEP2027.E2	01-JAN-2011	12:05:28.843
EGOI_110101MSEP2036.E2	01-JAN-2011	13:48:23.478
EGOI_110101MSEP2055.E2	01-JAN-2011	21:37:44.390
EGOI_110101MSEP2087.E2	01-JAN-2011	23:14:25.487
EGOI_110101SGEP0553.E2	01-JAN-2011	02:12:26.672
EGOI_110101SGEP0561.E2	01-JAN-2011	14:48:50.858
EGOI_110101SGEP0567.E2	01-JAN-2011	16:26:28.958

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	82081	01-JAN-2011	06:51:26.930	06:53:11.910	104.98000
KS	82082	01-JAN-2011	08:30:50.218	08:33:23.031	152.81300
KS	82083	01-JAN-2011	10:10:27.894	10:13:02.647	154.75300
KS	82084	01-JAN-2011	11:49:57.006	11:52:31.763	154.75700
KS	82085	01-JAN-2011	13:28:59.554	13:31:33.879	154.32500
KS	82086	01-JAN-2011	15:07:26.940	15:10:13.491	166.55100
KS	82087	01-JAN-2011	16:45:03.691	16:47:47.095	163.40400
KS	82088	01-JAN-2011	18:23:01.203	18:25:29.695	148.49200
KS	82089	01-JAN-2011	20:02:11.162	20:04:19.811	128.64900
KS	82090	01-JAN-2011	21:43:12.840	21:45:24.937	132.09700
KS	82091	01-JAN-2011	23:26:52.886	23:28:39.076	106.19000
GS	82078	01-JAN-2011	01:31:51.919	01:33:57.934	126.01500
GS	82079	01-JAN-2011	03:09:49.599	03:11:52.539	122.94000
MS	82083	01-JAN-2011	10:24:53.842	10:27:35.739	161.89700
MS	82084	01-JAN-2011	12:02:55.692	12:05:28.843	153.15100

MS	82091	01-JAN-2011	23:12:04.367	23:14:25.487	141.12000
MA	82082	01-JAN-2011	08:39:42.579	08:42:12.585	150.00600
MA	82083	01-JAN-2011	10:18:32.230	10:20:49.192	136.96200
MA	82089	01-JAN-2011	19:55:19.908	19:58:18.275	178.36700
MA	82090	01-JAN-2011	21:34:46.502	21:39:32.400	285.89800
MI	82079	01-JAN-2011	03:05:05.525	03:07:31.512	145.98700
MI	82080	01-JAN-2011	04:46:21.035	04:48:42.639	141.60400
MI	82086	01-JAN-2011	15:25:19.557	15:27:48.092	148.53500
MI	82087	01-JAN-2011	17:05:16.314	17:07:41.217	144.90300
SG	82078	01-JAN-2011	02:10:11.600	02:12:26.672	135.07200
SG	82078	01-JAN-2011	02:15:13.187	02:18:58.221	225.03400
SG	82085	01-JAN-2011	14:42:58.401	14:48:50.858	352.45700
SG	82086	01-JAN-2011	16:22:31.135	16:26:28.958	237.82300

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	82077	01-JAN-2011	00:37:54.299	00:52:11.173	856.87400
MM	82077	01-JAN-2011	00:49:41.351	01:00:22.915	641.56400
KS	82077	01-JAN-2011	00:00:21.745	00:05:49.729	327.98400
BE	82078	01-JAN-2011	01:57:01.879	02:08:38.126	696.24700
MM	82078	01-JAN-2011	02:32:14.025	02:40:45.200	511.17500
BE	82079	01-JAN-2011	03:35:54.541	03:48:53.338	778.79700
MM	82079	01-JAN-2011	04:15:19.452	04:21:38.556	379.10400
SG	82079	01-JAN-2011	03:46:51.042	04:00:29.689	818.64700
CM	82079	01-JAN-2011	03:05:26.845	03:15:13.889	587.04400
CM	82079	01-JAN-2011	04:43:40.979	04:55:06.368	685.38900
MM	82080	01-JAN-2011	05:57:43.496	06:03:42.498	359.00200
MM	82081	01-JAN-2011	07:38:49.971	07:46:45.866	475.89500
JO	82081	01-JAN-2011	07:17:10.585	07:30:30.877	800.29200
MM	82082	01-JAN-2011	09:19:17.306	09:29:30.674	613.36800
JO	82082	01-JAN-2011	08:55:50.339	09:10:04.661	854.32200
MM	82083	01-JAN-2011	10:59:27.023	11:11:16.889	709.86600
MM	82084	01-JAN-2011	12:39:23.296	12:51:59.015	755.71900
HO	82085	01-JAN-2011	14:28:08.986	14:40:10.302	721.31600
MM	82085	01-JAN-2011	14:19:05.031	14:31:48.431	763.40000

SG	82085	01-JAN-2011	14:42:58.401	14:55:35.190	756.78900
BE	82086	01-JAN-2011	14:52:56.540	15:05:33.147	756.60700
MM	82086	01-JAN-2011	15:58:30.523	16:11:05.630	755.10700
GS	82086	01-JAN-2011	15:19:15.591	15:32:44.463	808.87200
CM	82086	01-JAN-2011	15:29:03.737	15:38:56.440	592.70300
MM	82087	01-JAN-2011	17:37:41.973	17:50:13.846	751.87300
GS	82087	01-JAN-2011	16:58:49.729	17:11:38.515	768.78600
CM	82087	01-JAN-2011	17:07:34.583	17:18:53.433	678.85000
MM	82088	01-JAN-2011	19:16:51.213	19:29:30.543	759.33000
JO	82088	01-JAN-2011	19:37:14.051	19:49:39.950	745.89900
MM	82089	01-JAN-2011	20:56:19.625	21:09:03.093	763.46800
JO	82089	01-JAN-2011	21:15:35.061	21:30:11.367	876.30600
HO	82090	01-JAN-2011	22:28:52.388	22:41:06.923	734.53500
MM	82090	01-JAN-2011	22:36:30.260	22:48:51.494	741.23400

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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

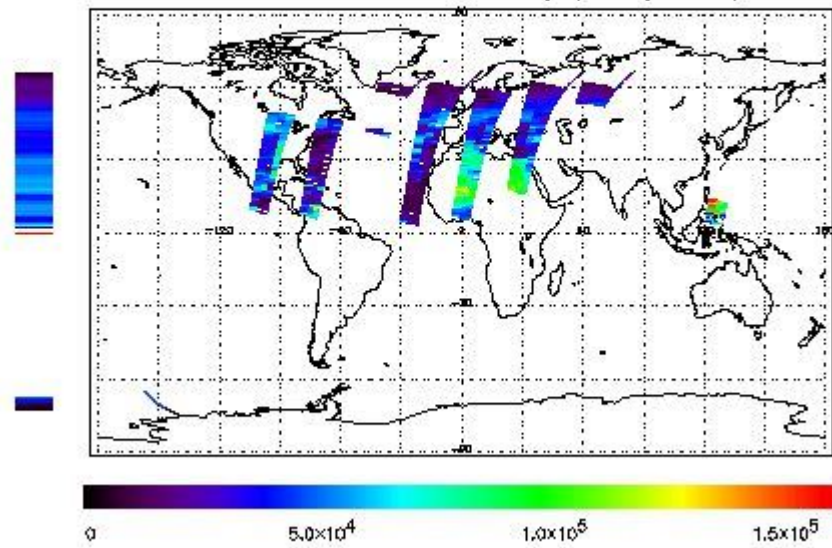
2.2 - Daily Plots

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 : 31-DEC-2010 23:46:01.767 : ORBIT : 82077.0180
 Last Product : 01-JAN-2011 23:38:30.135 : ORBIT : 82091.2575
 Total Products Processed : 14365 Day : 1 Page : 21

778 nm Uncalibrated Intensity (Binary Units)



Ozone Line Ratio

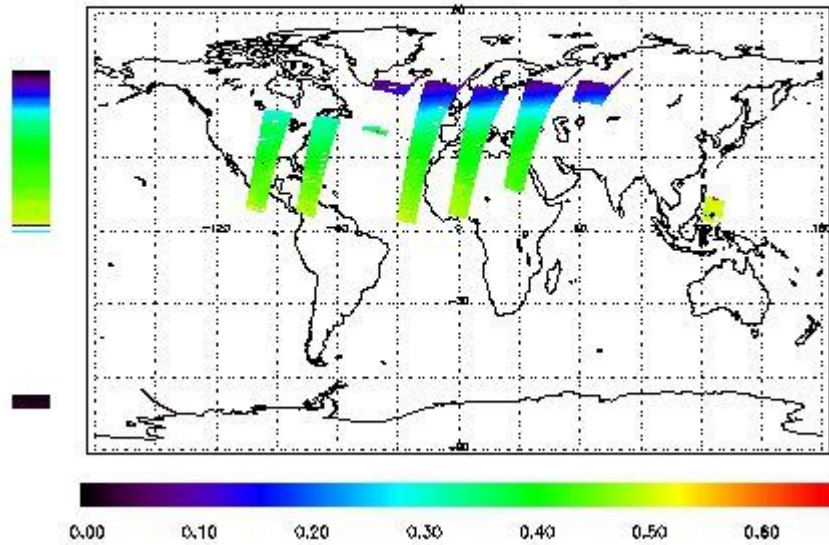
First Product : 31-DEC-2010 23:46:01.767 : ORBIT : 82077.0180

Last Product : 01-JAN-2011 23:38:30.135 : ORBIT : 82091.2575

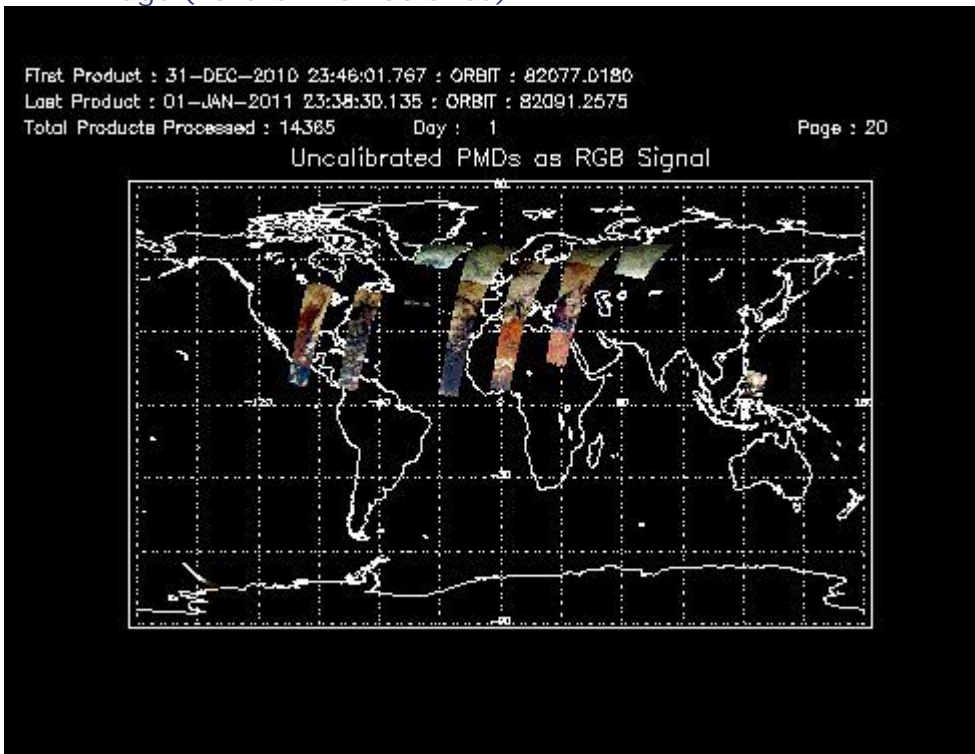
Total Products Processed : 14385 Day : 1

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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	10:18:28.178	--	82083	Yes	--	15841

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
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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