

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	25-JAN-2011
Start Time of First Product	00:33:55
Stop Time of Last Product	22:44:30
Number of EGOI Products analysed	32
Number of corrupted products	--
Anomalies and/or Special Operations	Narrow Swath continued from previous day, stop orbit: 82426

1.2 - List of received products

Name	Date	Time
EGOI_110125CMEP3471.E2	25-JAN-2011	03:53:35.374
EGOI_110125CMEP3481.E2	25-JAN-2011	05:32:53.985
EGOI_110125CMEP3488.E2	25-JAN-2011	16:14:53.444
EGOI_110125CMEP3498.E2	25-JAN-2011	17:56:54.071
EGOI_110125GSEP4334.E2	25-JAN-2011	02:18:03.287
EGOI_110125GSEP4364.E2	25-JAN-2011	03:58:15.898
EGOI_110125GSEP4371.E2	25-JAN-2011	05:40:49.535
EGOI_110125KSEP7874.E2	25-JAN-2011	07:38:48.759
EGOI_110125KSEP7894.E2	25-JAN-2011	09:18:55.379

EGOI_110125KSEP7918.E2	25-JAN-2011	10:58:33.491
EGOI_110125KSEP7943.E2	25-JAN-2011	12:37:52.102
EGOI_110125KSEP7965.E2	25-JAN-2011	14:16:48.214
EGOI_110125KSEP7981.E2	25-JAN-2011	15:54:36.814
EGOI_110125KSEP8007.E2	25-JAN-2011	17:32:34.418
EGOI_110125KSEP8039.E2	25-JAN-2011	19:10:33.522
EGOI_110125KSEP8069.E2	25-JAN-2011	20:50:16.138
EGOI_110125KSEP8097.E2	25-JAN-2011	22:32:09.269
EGOI_110125MAEP2167.E2	25-JAN-2011	09:26:02.917
EGOI_110125MAEP2177.E2	25-JAN-2011	11:06:12.533
EGOI_110125MIEP1211.E2	25-JAN-2011	02:15:33.271
EGOI_110125MIEP1231.E2	25-JAN-2011	03:53:33.874
EGOI_110125MIEP1252.E2	25-JAN-2011	14:35:55.828
EGOI_110125MIEP1280.E2	25-JAN-2011	16:12:54.932
EGOI_110125MIEP1292.E2	25-JAN-2011	17:55:57.067
EGOI_110125MSEP4804.E2	25-JAN-2011	00:32:55.136
EGOI_110125MSEP4823.E2	25-JAN-2011	11:11:48.569
EGOI_110125MSEP4848.E2	25-JAN-2011	12:51:41.686
EGOI_110125MSEP4880.E2	25-JAN-2011	22:21:03.202
EGOI_110125SGEP0988.E2	25-JAN-2011	02:55:57.514
EGOI_110125SGEP0994.E2	25-JAN-2011	04:35:40.133
EGOI_110125SGEP1001.E2	25-JAN-2011	13:54:57.077
EGOI_110125SGEP1007.E2	25-JAN-2011	15:39:12.720

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	82425	25-JAN-2011	07:36:48.597	07:38:48.758	120.16100
KS	82426	25-JAN-2011	09:16:22.843	09:18:55.378	152.53500
KS	82427	25-JAN-2011	10:55:58.708	10:58:33.491	154.78300
KS	82428	25-JAN-2011	12:35:18.103	12:37:52.102	153.99900
KS	82429	25-JAN-2011	14:14:09.879	14:16:48.214	158.33500
KS	82430	25-JAN-2011	15:52:00.778	15:54:36.814	156.03600
KS	82431	25-JAN-2011	17:29:55.437	17:32:34.417	158.98000
KS	82432	25-JAN-2011	19:08:09.685	19:10:33.522	143.83700
KS	82433	25-JAN-2011	20:48:06.115	20:50:16.137	130.02200
KS	82434	25-JAN-2011	22:30:12.248	22:32:09.268	117.02000
GS	82422	25-JAN-2011	02:16:48.935	02:18:03.286	74.351000
GS	82423	25-JAN-2011	03:56:08.242	03:58:15.897	127.65500
MS	82421	25-JAN-2011	00:31:01.769	00:32:55.135	113.36600
MS	82427	25-JAN-2011	11:09:05.067	11:11:48.569	163.50200

MS	82428	25-JAN-2011	12:49:04.847	12:51:41.685	156.83800
MS	82434	25-JAN-2011	22:18:57.673	22:21:03.202	125.52900
MA	82426	25-JAN-2011	09:24:32.321	09:26:02.917	90.596000
MA	82427	25-JAN-2011	11:04:58.451	11:06:12.532	74.081000
MI	82422	25-JAN-2011	02:13:12.137	02:15:33.270	141.13300
MI	82423	25-JAN-2011	03:50:25.780	03:53:33.873	188.09300
MI	82423	25-JAN-2011	04:01:32.417	04:03:33.320	120.90300
MI	82429	25-JAN-2011	14:33:37.239	14:35:55.827	138.58800
MI	82430	25-JAN-2011	16:10:27.786	16:12:54.931	147.14500
MI	82431	25-JAN-2011	17:53:58.536	17:55:57.066	118.53000
SG	82422	25-JAN-2011	02:53:18.268	02:55:57.514	159.24600
SG	82422	25-JAN-2011	03:01:27.545	03:06:25.057	297.51200
SG	82423	25-JAN-2011	04:33:31.446	04:35:40.133	128.68700
SG	82423	25-JAN-2011	04:40:58.164	04:44:22.064	203.90000
CM	82430	25-JAN-2011	16:13:18.474	16:14:53.444	94.970000
CM	82431	25-JAN-2011	17:55:12.658	17:56:54.071	101.41300

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	82420	24-JAN-2011	23:54:26.980	00:06:00.624	693.64400
HO	82421	25-JAN-2011	01:24:35.966	01:36:51.814	735.84800
MM	82421	25-JAN-2011	01:36:27.091	01:46:13.555	586.46400
GS	82421	25-JAN-2011	00:40:47.641	00:48:39.814	472.17300
BE	82422	25-JAN-2011	02:41:53.107	02:55:09.469	796.36200
MM	82422	25-JAN-2011	03:19:21.110	03:26:46.710	445.60000
CM	82422	25-JAN-2011	03:49:22.530	04:01:38.357	735.82700
BE	82423	25-JAN-2011	04:21:57.054	04:32:55.760	658.70600
MM	82423	25-JAN-2011	05:02:18.265	05:08:07.094	348.82900
MM	82424	25-JAN-2011	06:44:04.231	06:50:46.739	402.50800
KS	82424	25-JAN-2011	05:58:10.511	06:02:58.017	287.50600
JO	82424	25-JAN-2011	06:26:57.000	06:34:15.821	438.82100
MM	82425	25-JAN-2011	08:24:48.259	08:33:49.881	541.62200
JO	82425	25-JAN-2011	08:01:32.547	08:16:28.825	896.27800
MM	82426	25-JAN-2011	10:05:06.325	10:16:10.216	663.89100
JO	82426	25-JAN-2011	09:43:15.597	09:53:58.614	643.01700

HO	82427	25-JAN-2011	11:54:36.307	12:07:41.223	784.91600
MM	82427	25-JAN-2011	11:45:09.858	11:57:26.541	736.68300
HO	82428	25-JAN-2011	13:33:31.639	13:48:11.181	879.54200
MM	82428	25-JAN-2011	13:24:59.728	13:37:42.483	762.75500
BE	82429	25-JAN-2011	13:58:29.208	14:11:52.266	803.05800
HO	82429	25-JAN-2011	15:14:42.020	15:22:49.046	487.02600
MM	82429	25-JAN-2011	15:04:34.168	15:17:14.289	760.12100
GS	82429	25-JAN-2011	14:26:08.555	14:36:54.931	646.37600
BE	82430	25-JAN-2011	15:40:21.418	15:49:50.676	569.25800
MM	82430	25-JAN-2011	16:43:52.463	16:56:24.640	752.17700
GS	82430	25-JAN-2011	16:04:34.888	16:18:29.908	835.02000
MM	82431	25-JAN-2011	18:23:00.784	18:35:35.197	754.41300
GS	82431	25-JAN-2011	17:44:53.902	17:55:20.338	626.43600
MM	82432	25-JAN-2011	20:02:15.793	20:14:58.767	762.97400
MA	82432	25-JAN-2011	19:05:58.019	19:12:57.326	419.30700
JO	82432	25-JAN-2011	20:21:39.430	20:36:24.914	885.48400
MM	82433	25-JAN-2011	21:42:00.886	21:54:38.818	757.93200
MA	82433	25-JAN-2011	20:40:04.381	20:53:45.586	821.20500
JO	82433	25-JAN-2011	22:01:51.688	22:14:02.754	731.06600
HO	82434	25-JAN-2011	23:12:57.425	23:26:55.896	838.47100
MM	82434	25-JAN-2011	23:22:37.037	23:34:33.742	716.70500
MA	82434	25-JAN-2011	22:23:31.556	22:31:48.061	496.50500
MS	82435	25-JAN-2011	23:58:14.332	00:10:28.141	733.80900

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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

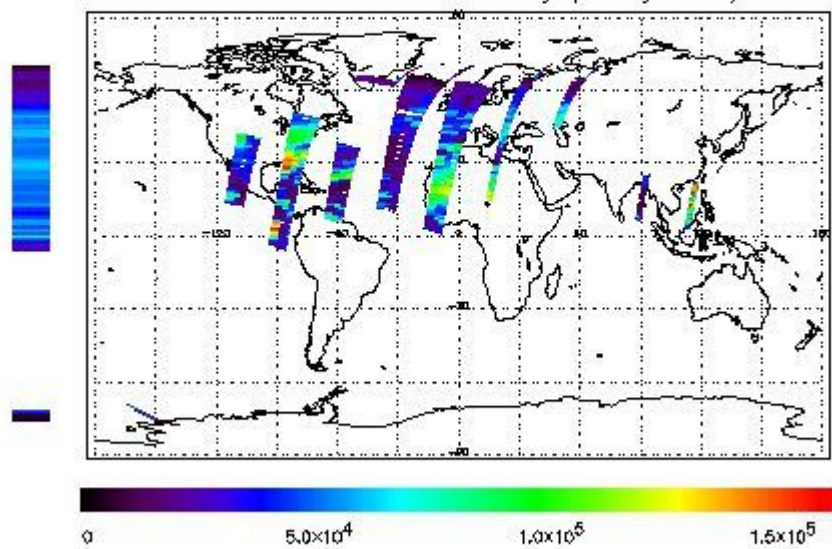
2.2 - Daily Plots

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 : 25-JAN-2011 00:32:55.136 : ORBIT : 82421.0270
 Last Product : 25-JAN-2011 22:44:30.338 : ORBIT : 82434.2638
 Total Products Processed : 14154 Day : 25 Page : 21

778 nm Uncalibrated Intensity (Binary Units)



Ozone Line Ratio

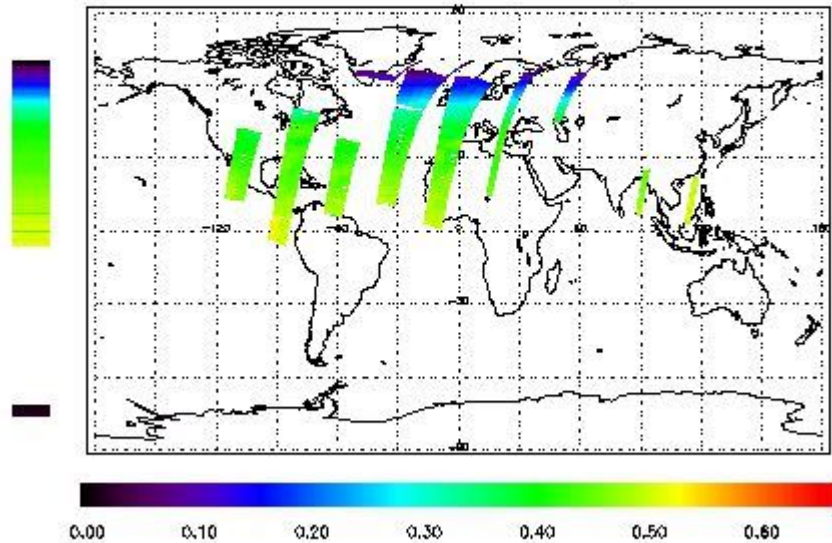
First Product : 25-JAN-2011 00:32:55.136 : ORBIT : 82421.0270

Last Product : 25-JAN-2011 22:44:30.338 : ORBIT : 82434.2638

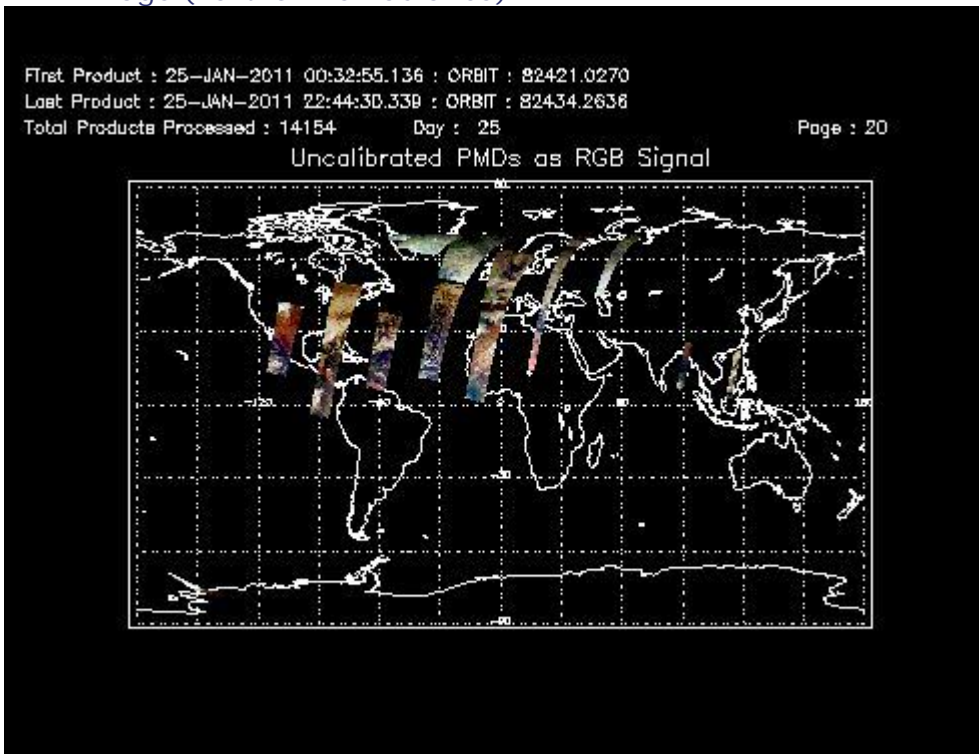
Total Products Processed : 14154 Day : 25

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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	11:03:12.518	--	82427	Yes	--	15303

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
--	--	--	--	--

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
13:00	10:00	42813	82426

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