

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	01-NOV-2010
Start Time of First Product	00:03:20
Stop Time of Last Product	22:45:03
Number of EGOI Products analysed	32
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_101101CMEP1318.E2	01-NOV-2010	05:06:01.894
EGOI_101101CMEP1329.E2	01-NOV-2010	15:47:13.348
EGOI_101101CMEP1335.E2	01-NOV-2010	17:26:57.464
EGOI_101101GSEP8430.E2	01-NOV-2010	01:50:02.184
EGOI_101101GSEP8459.E2	01-NOV-2010	03:28:50.791
EGOI_101101GSEP8469.E2	01-NOV-2010	05:15:00.448
EGOI_101101KSEP6615.E2	01-NOV-2010	07:17:10.200
EGOI_101101KSEP6633.E2	01-NOV-2010	08:50:19.768
EGOI_101101KSEP6656.E2	01-NOV-2010	10:29:59.375

EGOI_101101KSEP6684.E2	01-NOV-2010	12:09:25.490
EGOI_101101KSEP6697.E2	01-NOV-2010	13:48:24.615
EGOI_101101KSEP6717.E2	01-NOV-2010	15:26:50.723
EGOI_101101KSEP6743.E2	01-NOV-2010	17:04:18.327
EGOI_101101KSEP6774.E2	01-NOV-2010	18:42:17.434
EGOI_101101KSEP6805.E2	01-NOV-2010	20:21:21.037
EGOI_101101KSEP6832.E2	01-NOV-2010	22:03:00.667
EGOI_101101MAEP9129.E2	01-NOV-2010	08:57:54.319
EGOI_101101MAEP9138.E2	01-NOV-2010	10:37:26.434
EGOI_101101MAEP9159.E2	01-NOV-2010	21:54:45.621
EGOI_101101MIEP4761.E2	01-NOV-2010	03:24:16.263
EGOI_101101MIEP4774.E2	01-NOV-2010	15:44:29.830
EGOI_101101MMEP7796.E2	01-NOV-2010	02:50:56.556
EGOI_101101MMEP7806.E2	01-NOV-2010	06:15:51.821
EGOI_101101MSEP4885.E2	01-NOV-2010	00:03:19.526
EGOI_101101MSEP4903.E2	01-NOV-2010	10:43:53.476
EGOI_101101MSEP4931.E2	01-NOV-2010	12:22:43.586
EGOI_101101MSEP4956.E2	01-NOV-2010	21:53:30.614
EGOI_101101MSEP4987.E2	01-NOV-2010	23:31:56.721
EGOI_101101SGEP9068.E2	01-NOV-2010	02:28:24.919
EGOI_101101SGEP9075.E2	01-NOV-2010	04:06:33.022
EGOI_101101SGEP9083.E2	01-NOV-2010	15:03:26.578
EGOI_101101SGEP9091.E2	01-NOV-2010	16:43:12.194

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	81208	01-NOV-2010	07:08:26.112	07:17:10.199	524.08700
KS	81209	01-NOV-2010	08:47:54.813	08:50:19.767	144.95400
KS	81210	01-NOV-2010	10:27:32.244	10:29:59.374	147.13000
KS	81211	01-NOV-2010	12:06:58.166	12:09:25.490	147.32400
KS	81212	01-NOV-2010	13:45:54.169	13:48:24.614	150.44500
KS	81213	01-NOV-2010	15:24:04.925	15:26:50.722	165.79700
KS	81214	01-NOV-2010	17:01:47.065	17:04:18.327	151.26200
KS	81215	01-NOV-2010	18:39:54.883	18:42:17.434	142.55100
KS	81216	01-NOV-2010	20:19:21.351	20:21:21.037	119.68600
KS	81217	01-NOV-2010	22:00:46.055	22:03:00.667	134.61200
KS	81218	01-NOV-2010	23:45:03.262	23:46:40.306	97.044000
GS	81205	01-NOV-2010	01:48:20.584	01:50:02.183	101.59900
GS	81206	01-NOV-2010	03:27:03.983	03:28:50.790	106.80700
MS	81204	01-NOV-2010	00:01:10.535	00:03:19.526	128.99100

MS	81210	01-NOV-2010	10:41:22.008	10:43:53.475	151.46700
MS	81211	01-NOV-2010	12:20:09.512	12:22:43.585	154.07300
MS	81217	01-NOV-2010	21:51:51.567	21:53:30.613	99.046000
MS	81218	01-NOV-2010	23:29:13.237	23:31:56.720	163.48300
MA	81209	01-NOV-2010	08:56:50.468	08:57:54.319	63.851000
MA	81210	01-NOV-2010	10:35:32.501	10:37:26.434	113.93300
MA	81217	01-NOV-2010	21:52:54.124	21:54:45.621	111.49700
MI	81206	01-NOV-2010	03:21:56.220	03:24:16.262	140.04200
MI	81213	01-NOV-2010	15:42:08.473	15:44:29.830	141.35700
MI	81213	01-NOV-2010	15:53:07.383	15:55:22.733	135.35000
MM	81205	01-NOV-2010	02:49:53.563	02:50:56.556	62.993000
SG	81205	01-NOV-2010	02:26:01.547	02:28:24.918	143.37100
SG	81206	01-NOV-2010	04:04:09.140	04:06:33.021	143.88100
SG	81212	01-NOV-2010	14:59:32.893	15:03:26.577	233.68400
SG	81212	01-NOV-2010	15:05:44.592	15:12:58.604	434.01200
SG	81213	01-NOV-2010	16:40:25.429	16:43:12.194	166.76500
SG	81213	01-NOV-2010	16:45:57.209	16:50:18.069	260.86000
CM	81213	01-NOV-2010	15:45:26.865	15:47:13.347	106.48200
CM	81214	01-NOV-2010	17:25:06.592	17:26:57.464	110.87200

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	81204	01-NOV-2010	00:55:21.546	01:09:00.232	818.68600
MM	81204	01-NOV-2010	01:07:11.988	01:17:34.001	622.01300
KS	81204	01-NOV-2010	00:19:08.034	00:22:13.762	185.72800
BE	81205	01-NOV-2010	02:13:45.563	02:26:14.534	748.97100
MI	81205	01-NOV-2010	01:47:35.463	01:52:38.099	302.63600
BE	81206	01-NOV-2010	03:53:06.529	04:05:32.594	746.06500
MM	81206	01-NOV-2010	04:32:58.070	04:39:02.177	364.10700
CM	81206	01-NOV-2010	03:21:41.266	03:32:48.808	667.54200
CM	81206	01-NOV-2010	05:01:21.802	05:11:32.944	611.14200
MI	81207	01-NOV-2010	05:04:57.307	05:11:37.215	399.90800
MM	81208	01-NOV-2010	07:56:05.054	08:04:25.748	500.69400
JO	81208	01-NOV-2010	07:33:39.415	07:47:50.738	851.32300
MM	81209	01-NOV-2010	09:36:28.553	09:47:02.067	633.51400

JO	81209	01-NOV-2010	09:13:23.086	09:26:43.723	800.63700
HO	81210	01-NOV-2010	11:26:47.400	11:38:07.308	679.90800
MM	81210	01-NOV-2010	11:16:35.913	11:28:37.071	721.15800
HO	81211	01-NOV-2010	13:05:03.806	13:19:53.130	889.32400
MM	81211	01-NOV-2010	12:56:29.821	13:09:09.027	759.20600
HO	81212	01-NOV-2010	14:45:30.911	14:55:43.007	612.09600
MM	81212	01-NOV-2010	14:36:08.869	14:48:51.298	762.42900
GS	81212	01-NOV-2010	13:58:56.400	14:06:24.181	447.78100
SG	81212	01-NOV-2010	14:59:32.893	15:12:58.604	805.71100
BE	81213	01-NOV-2010	15:10:30.470	15:22:18.339	707.86900
MM	81213	01-NOV-2010	16:15:31.581	16:28:05.353	753.77200
GS	81213	01-NOV-2010	15:36:12.640	15:50:00.829	828.18900
MM	81214	01-NOV-2010	17:54:41.504	18:07:14.066	752.56200
MI	81214	01-NOV-2010	17:22:58.625	17:32:10.715	552.09000
GS	81214	01-NOV-2010	17:16:03.276	17:28:09.123	725.84700
MM	81215	01-NOV-2010	19:33:52.336	19:46:33.215	760.87900
JO	81215	01-NOV-2010	19:53:44.887	20:07:23.396	818.50900
MM	81216	01-NOV-2010	21:13:26.445	21:26:08.607	762.16200
MA	81216	01-NOV-2010	20:11:59.715	20:25:42.264	822.54900
JO	81216	01-NOV-2010	21:32:49.875	21:46:48.569	838.69400
HO	81217	01-NOV-2010	22:45:17.835	22:58:18.157	780.32200
MM	81217	01-NOV-2010	22:53:46.268	23:05:59.510	733.24200

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1.5 - List of corrupted products

Station	Orbit	Time
SG	81192	04:39:03.34

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

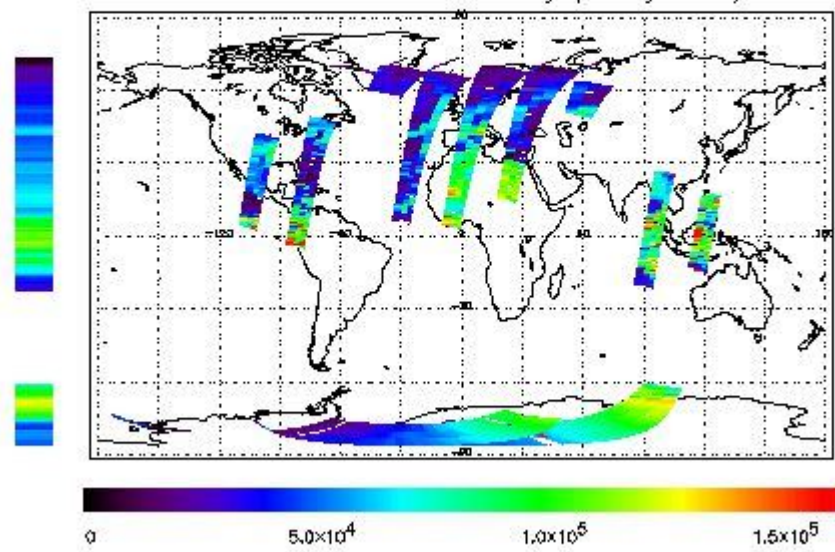
2.2 - Daily Plots

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

First Product : 01-NOV-2010 00:03:19.526 : ORBIT : 81204.0185
 Last Product : 01-NOV-2010 23:46:02.795 : ORBIT : 81218.1511
 Total Products Processed : 14492 Day : 305 Page : 21

778 nm Uncalibrated Intensity (Binary Units)



Ozone Line Ratio

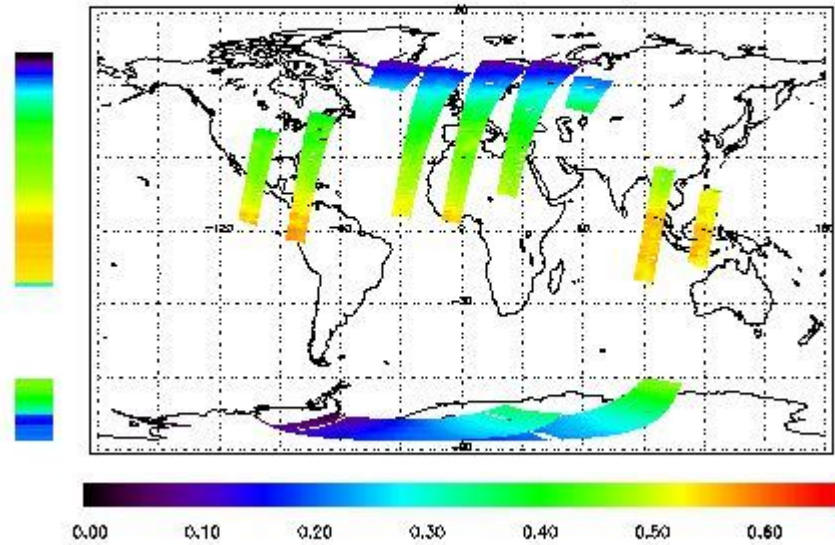
First Product : 01-NOV-2010 00:03:19.526 : ORBIT : 81204.0185

Last Product : 01-NOV-2010 23:45:02.795 : ORBIT : 81218.1511

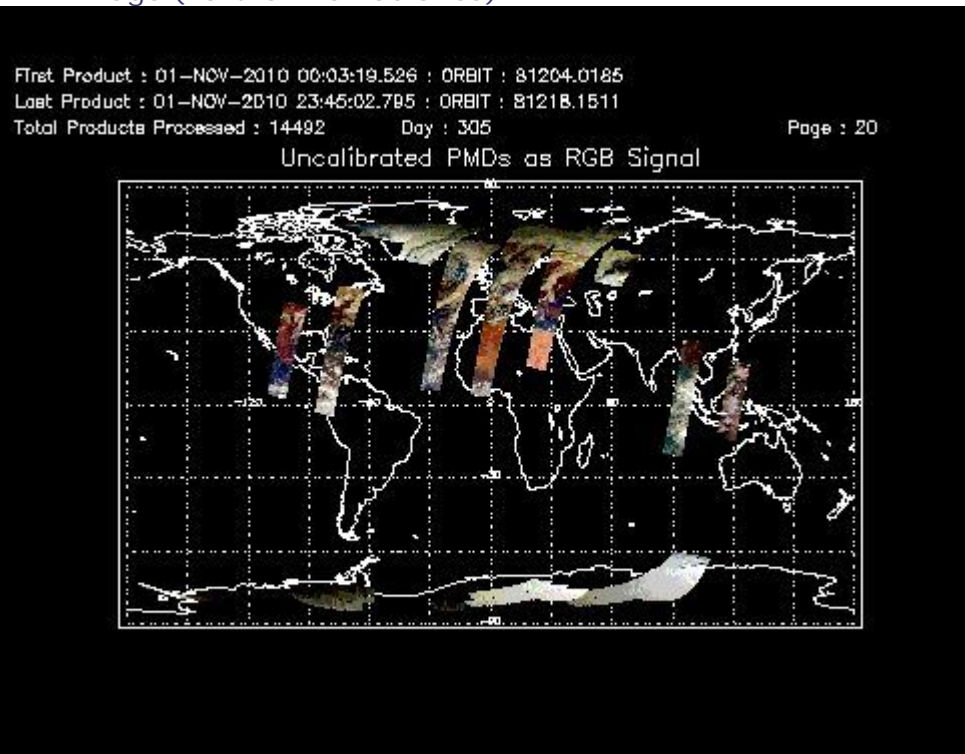
Total Products Processed : 14492 Day : 305

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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	12:13:36.013	--	81211	Yes	--	15484

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
--	--	--

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
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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