

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	20-NOV-2010
Start Time of First Product	00:06:21
Stop Time of Last Product	23:47:57
Number of EGOI Products analysed	30
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_101120CMEP1890.E2	20-NOV-2010	03:25:52.487
EGOI_101120CMEP1900.E2	20-NOV-2010	05:09:11.133
EGOI_101120CMEP1910.E2	20-NOV-2010	15:50:06.100
EGOI_101120CMEP1916.E2	20-NOV-2010	17:29:24.719
EGOI_101120KSEP1429.E2	20-NOV-2010	07:13:14.897
EGOI_101120KSEP1459.E2	20-NOV-2010	08:53:14.020
EGOI_101120KSEP1481.E2	20-NOV-2010	10:32:55.135
EGOI_101120KSEP1508.E2	20-NOV-2010	12:12:19.751
EGOI_101120KSEP1521.E2	20-NOV-2010	13:51:17.363

EGOI_101120KSEP1546.E2	20-NOV-2010	15:29:40.474
EGOI_101120KSEP1561.E2	20-NOV-2010	17:07:08.078
EGOI_101120KSEP1590.E2	20-NOV-2010	18:45:10.187
EGOI_101120KSEP1621.E2	20-NOV-2010	20:24:15.306
EGOI_101120KSEP1649.E2	20-NOV-2010	22:05:51.930
EGOI_101120MAEP9905.E2	20-NOV-2010	10:40:22.178
EGOI_101120MAEP9926.E2	20-NOV-2010	21:57:44.378
EGOI_101120MIEP5727.E2	20-NOV-2010	01:52:08.408
EGOI_101120MIEP5756.E2	20-NOV-2010	03:27:10.495
EGOI_101120MIEP5778.E2	20-NOV-2010	05:10:17.137
EGOI_101120MIEP5789.E2	20-NOV-2010	15:47:21.084
EGOI_101120MIEP5811.E2	20-NOV-2010	17:28:17.211
EGOI_101120MSEP7140.E2	20-NOV-2010	00:06:21.253
EGOI_101120MSEP7163.E2	20-NOV-2010	10:46:40.218
EGOI_101120MSEP7191.E2	20-NOV-2010	12:25:37.835
EGOI_101120MSEP7217.E2	20-NOV-2010	21:56:30.871
EGOI_101120MSEP7248.E2	20-NOV-2010	23:34:31.483
EGOI_101120SGEP9540.E2	20-NOV-2010	02:30:46.150
EGOI_101120SGEP9546.E2	20-NOV-2010	04:09:25.757
EGOI_101120SGEP9554.E2	20-NOV-2010	15:06:25.333
EGOI_101120SGEP9560.E2	20-NOV-2010	16:46:06.453

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	81480	20-NOV-2010	07:11:16.175	07:13:14.896	118.72100
KS	81481	20-NOV-2010	08:50:45.602	08:53:14.019	148.41700
KS	81482	20-NOV-2010	10:30:22.938	10:32:55.135	152.19700
KS	81483	20-NOV-2010	12:09:48.277	12:12:19.751	151.47400
KS	81484	20-NOV-2010	13:48:43.192	13:51:17.362	154.17000
KS	81485	20-NOV-2010	15:26:52.612	15:29:40.474	167.86200
KS	81486	20-NOV-2010	17:04:34.642	17:07:08.078	153.43600
KS	81487	20-NOV-2010	18:42:44.052	18:45:10.186	146.13400
KS	81488	20-NOV-2010	20:22:13.382	20:24:15.305	121.92300
KS	81489	20-NOV-2010	22:03:42.048	22:05:51.930	129.88200
KS	81490	20-NOV-2010	23:48:06.104	23:49:39.076	92.972000
MS	81476	20-NOV-2010	00:04:07.180	00:06:21.252	134.07200
MS	81482	20-NOV-2010	10:44:06.301	10:46:40.218	153.91700
MS	81483	20-NOV-2010	12:23:00.977	12:25:37.835	156.85800
MS	81489	20-NOV-2010	21:54:32.070	21:56:30.870	118.80000
MS	81490	20-NOV-2010	23:32:05.797	23:34:31.483	145.68600

MA	81482	20-NOV-2010	10:38:24.002	10:40:22.178	118.17600
MA	81489	20-NOV-2010	21:55:51.160	21:57:44.378	113.21800
MI	81477	20-NOV-2010	01:50:00.770	01:52:08.408	127.63800
MI	81478	20-NOV-2010	03:24:45.763	03:27:10.494	144.73100
MI	81479	20-NOV-2010	05:08:10.371	05:10:17.136	126.76500
MI	81485	20-NOV-2010	15:44:57.454	15:47:21.084	143.63000
MI	81486	20-NOV-2010	17:25:57.651	17:28:17.211	139.56000
SG	81477	20-NOV-2010	02:28:42.791	02:30:46.149	123.35800
SG	81478	20-NOV-2010	04:07:03.380	04:09:25.757	142.37700
SG	81484	20-NOV-2010	15:02:19.959	15:06:25.333	245.37400
SG	81485	20-NOV-2010	16:43:27.277	16:46:06.453	159.17600
CM	81478	20-NOV-2010	03:24:25.503	03:25:52.486	86.983000
CM	81485	20-NOV-2010	15:48:12.411	15:50:06.099	113.68800
CM	81486	20-NOV-2010	17:28:03.523	17:29:24.718	81.195000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	81476	20-NOV-2010	00:58:16.114	01:11:47.918	811.80400
MM	81476	20-NOV-2010	01:10:07.275	01:20:25.894	618.61900
KS	81476	20-NOV-2010	00:22:22.252	00:24:51.690	149.43800
BE	81477	20-NOV-2010	02:16:33.579	02:29:09.380	755.80100
MM	81477	20-NOV-2010	02:52:50.241	03:00:52.467	482.22600
GS	81477	20-NOV-2010	01:51:06.169	02:03:52.494	766.32500
BE	81478	20-NOV-2010	03:55:58.947	04:08:18.213	739.26600
MM	81478	20-NOV-2010	04:35:54.346	04:41:56.345	361.99900
GS	81478	20-NOV-2010	03:29:57.219	03:43:27.732	810.51300
MM	81479	20-NOV-2010	06:18:02.001	06:24:16.921	374.92000
MM	81480	20-NOV-2010	07:58:57.477	08:07:22.305	504.82800
JO	81480	20-NOV-2010	07:36:25.380	07:50:43.346	857.96600
MM	81481	20-NOV-2010	09:39:20.385	09:49:57.119	636.73400
MA	81481	20-NOV-2010	08:59:58.639	09:12:24.963	746.32400
JO	81481	20-NOV-2010	09:16:19.946	09:29:29.170	789.22400
MM	81482	20-NOV-2010	11:19:27.356	11:31:30.250	722.89400
MM	81483	20-NOV-2010	12:59:20.866	13:12:00.549	759.68300
HO	81484	20-NOV-2010	14:48:25.322	14:58:21.872	596.55000

MM	81484	20-NOV-2010	14:38:59.460	14:51:41.692	762.23200
GS	81484	20-NOV-2010	14:01:36.448	14:09:31.193	474.74500
SG	81484	20-NOV-2010	15:02:19.959	15:15:51.287	811.32800
BE	81485	20-NOV-2010	15:13:27.415	15:25:05.071	697.65600
MM	81485	20-NOV-2010	16:18:21.717	16:30:55.290	753.57300
GS	81485	20-NOV-2010	15:39:02.486	15:52:52.733	830.24700
MM	81486	20-NOV-2010	17:57:31.424	18:10:04.133	752.70900
GS	81486	20-NOV-2010	17:18:55.846	17:30:53.404	717.55800
MM	81487	20-NOV-2010	19:36:42.587	19:49:23.708	761.12100
JO	81487	20-NOV-2010	19:56:31.194	20:10:19.133	827.93900
MM	81488	20-NOV-2010	21:16:17.712	21:28:59.572	761.86000
MA	81488	20-NOV-2010	20:14:47.164	20:28:33.973	826.80900
JO	81488	20-NOV-2010	21:35:43.015	21:49:33.652	830.63700
HO	81489	20-NOV-2010	22:48:03.695	23:01:09.898	786.20300
MM	81489	20-NOV-2010	22:56:39.112	23:08:50.885	731.77300

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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

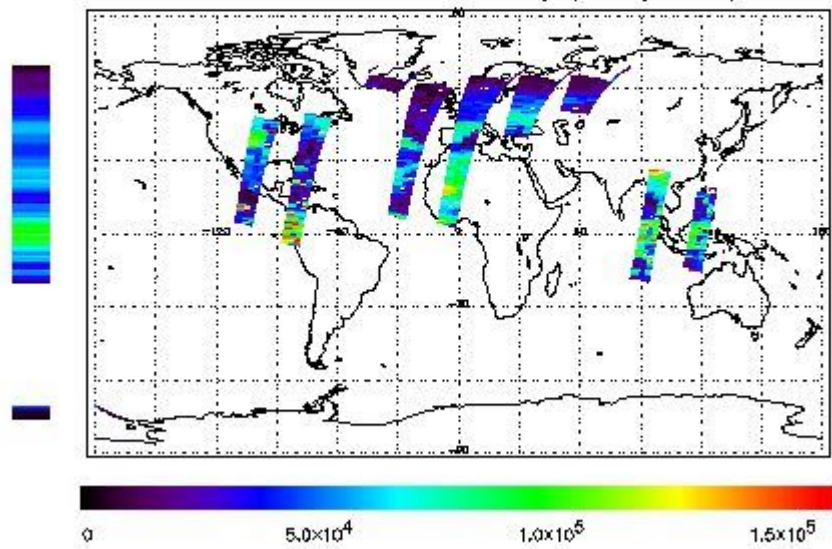
2.2 - Daily Plots

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 : 20-NOV-2010 00:06:21.253 : ORBIT : 81476.0200
 Last Product : 20-NOV-2010 23:47:57.085 : ORBIT : 81490.1514
 Total Products Processed : 14232 Day : 324 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

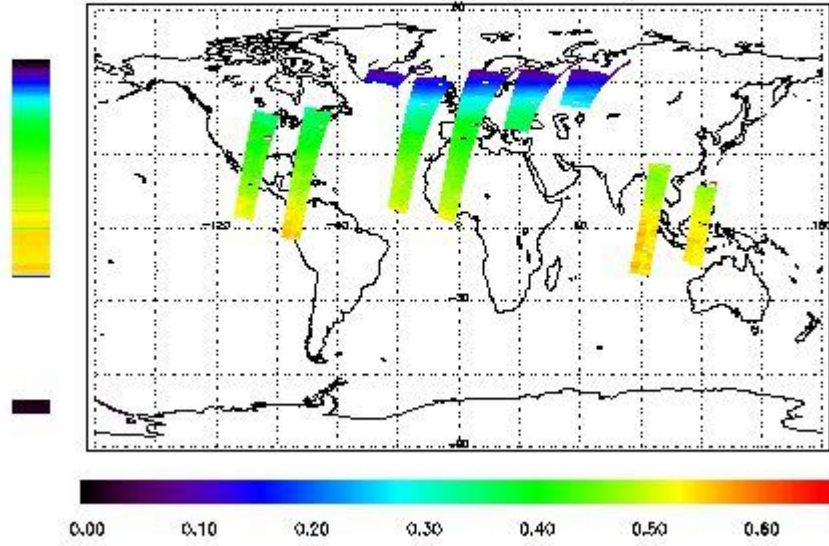


Ozone Line Ratio

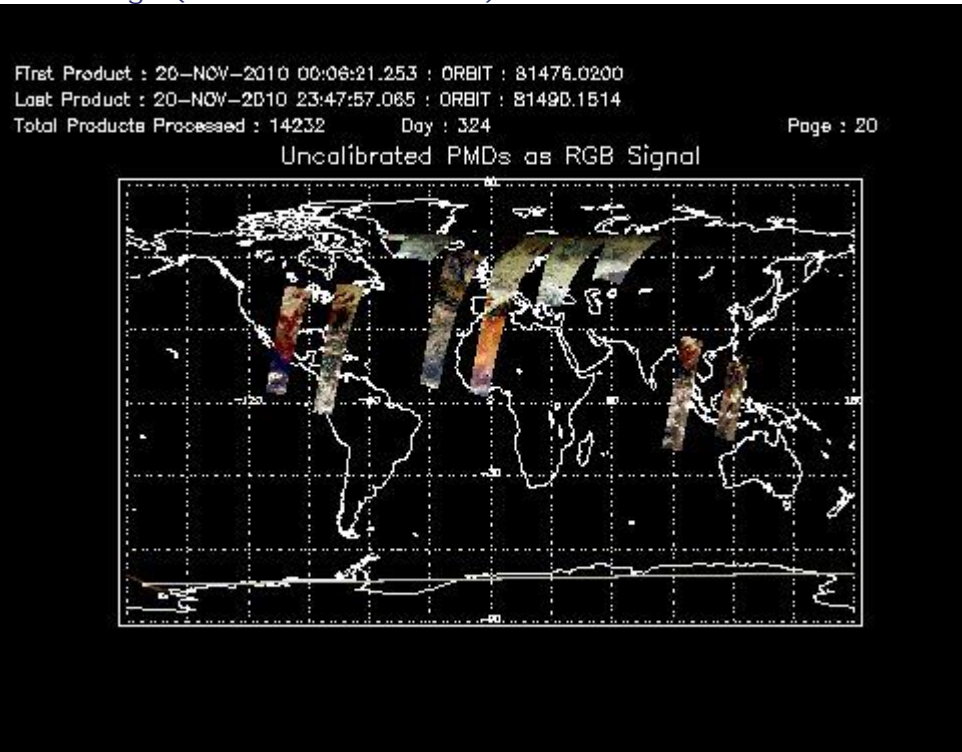
First Product : 20-NOV-2010 00:06:21.253 : ORBIT : 81476.0200
 Last Product : 20-NOV-2010 23:47:57.065 : ORBIT : 81490.1514
 Total Products Processed : 14232 Day : 324

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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	12:18:10.789	--	81483	Yes	--	15633

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
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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