

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	15-SEP-2010
Start Time of First Product	23:55:26 (14-Sep)
Stop Time of Last Product	23:32:26
Number of EGOI Products analysed	29
Number of corrupted products	--
Anomalies and/or Special Operations	<i>Narrow Swath continued from previous day, stop orbit: 80542</i>

### 1.2 - List of received products

Name	Date	Time
EGOI_100915GSEP5046.E2	15-SEP-2010	01:28:03.002
EGOI_100915GSEP5074.E2	15-SEP-2010	03:05:47.100
EGOI_100915GSEP5096.E2	15-SEP-2010	04:48:20.729
EGOI_100915GSEP5102.E2	15-SEP-2010	06:30:13.851
EGOI_100915KSEP5716.E2	14-SEP-2010	23:55:26.438
EGOI_100915KSEP5729.E2	15-SEP-2010	06:47:19.952
EGOI_100915KSEP5748.E2	15-SEP-2010	08:27:19.066
EGOI_100915KSEP5766.E2	15-SEP-2010	10:06:58.681
EGOI_100915KSEP5787.E2	15-SEP-2010	11:46:33.788

EGOI_100915KSEP5804.E2	15-SEP-2010	13:25:32.895
EGOI_100915KSEP5814.E2	15-SEP-2010	15:04:14.001
EGOI_100915KSEP5841.E2	15-SEP-2010	16:41:47.597
EGOI_100915KSEP5871.E2	15-SEP-2010	18:19:46.696
EGOI_100915KSEP5903.E2	15-SEP-2010	19:58:20.307
EGOI_100915KSEP5926.E2	15-SEP-2010	21:39:08.922
EGOI_100915KSEP5951.E2	15-SEP-2010	23:22:15.553
EGOI_100915MAEP7125.E2	15-SEP-2010	08:35:17.602
EGOI_100915MAEP7140.E2	15-SEP-2010	10:14:24.203
EGOI_100915MAEP7158.E2	15-SEP-2010	21:31:11.844
EGOI_100915MIEP0799.E2	15-SEP-2010	03:01:33.573
EGOI_100915MMEP5018.E2	15-SEP-2010	07:33:56.238
EGOI_100915MMEP5025.E2	15-SEP-2010	09:14:38.855
EGOI_100915MMEP5033.E2	15-SEP-2010	10:54:58.973
EGOI_100915MMEP5043.E2	15-SEP-2010	14:14:22.697
EGOI_100915MSEP9553.E2	15-SEP-2010	10:21:43.769
EGOI_100915MSEP9582.E2	15-SEP-2010	11:59:26.368
EGOI_100915MSEP9594.E2	15-SEP-2010	13:41:55.497
EGOI_100915MSEP9614.E2	15-SEP-2010	21:32:08.879
EGOI_100915MSEP9646.E2	15-SEP-2010	23:08:22.967

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	80531	14-SEP-2010	23:54:12.980	23:55:26.437	73.457000
KS	80535	15-SEP-2010	06:45:47.763	06:47:19.952	92.189000
KS	80536	15-SEP-2010	08:25:08.750	08:27:19.066	130.31600
KS	80537	15-SEP-2010	10:04:46.384	10:06:58.680	132.29600
KS	80538	15-SEP-2010	11:44:16.443	11:46:33.787	137.34400
KS	80539	15-SEP-2010	13:23:21.044	13:25:32.895	131.85100
KS	80540	15-SEP-2010	15:01:53.275	15:04:14.001	140.72600
KS	80541	15-SEP-2010	16:39:29.827	16:41:47.596	137.76900
KS	80542	15-SEP-2010	18:17:23.792	18:19:46.695	142.90300
KS	80543	15-SEP-2010	19:56:28.504	19:58:20.306	111.80200
KS	80544	15-SEP-2010	21:37:22.780	21:39:08.921	106.14100
KS	80545	15-SEP-2010	23:20:51.562	23:22:15.552	83.990000
GS	80532	15-SEP-2010	01:26:24.287	01:28:03.002	98.715000
GS	80533	15-SEP-2010	03:04:06.644	03:05:47.100	100.45600
GS	80534	15-SEP-2010	04:46:55.600	04:48:20.728	85.128000
MS	80537	15-SEP-2010	10:19:26.529	10:21:43.768	137.23900

MS	80538	15-SEP-2010	11:57:09.629	11:59:26.368	136.73900
MS	80545	15-SEP-2010	23:06:23.807	23:08:22.966	119.15900
MA	80536	15-SEP-2010	08:33:56.122	08:35:17.601	81.479000
MA	80537	15-SEP-2010	10:12:51.139	10:14:24.203	93.064000
MA	80544	15-SEP-2010	21:28:58.312	21:31:11.843	133.53100
MI	80533	15-SEP-2010	02:59:31.186	03:01:33.573	122.38700
MI	80533	15-SEP-2010	03:10:11.130	03:12:26.847	135.71700
MM	80536	15-SEP-2010	09:13:33.452	09:14:38.855	65.403000
MM	80537	15-SEP-2010	10:53:43.974	10:54:58.973	74.999000
MM	80539	15-SEP-2010	14:17:03.211	14:26:07.268	544.05700

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	80531	15-SEP-2010	00:32:01.442	00:46:32.323	870.88100
MM	80531	15-SEP-2010	00:43:51.558	00:54:39.321	647.76300
BE	80532	15-SEP-2010	01:51:29.317	02:02:42.857	673.54000
MM	80532	15-SEP-2010	02:26:21.076	02:35:00.482	519.40600
SG	80532	15-SEP-2010	02:05:04.775	02:12:46.617	461.84200
BE	80533	15-SEP-2010	03:30:11.455	03:43:18.206	786.75100
MM	80533	15-SEP-2010	04:09:26.266	04:15:51.181	384.91500
SG	80533	15-SEP-2010	03:41:07.600	03:54:53.508	825.90800
CM	80533	15-SEP-2010	03:00:07.114	03:09:18.139	551.02500
MM	80534	15-SEP-2010	05:51:54.732	05:57:50.269	355.53700
MI	80534	15-SEP-2010	04:40:18.294	04:50:31.975	613.68100
CM	80534	15-SEP-2010	06:18:27.339	06:30:09.920	702.58100
JO	80535	15-SEP-2010	07:11:43.854	07:24:42.470	778.61600
JO	80536	15-SEP-2010	08:50:02.298	09:04:29.543	867.24500
HO	80537	15-SEP-2010	11:05:10.972	11:13:57.527	526.55500
HO	80538	15-SEP-2010	12:42:26.072	12:57:09.794	883.72200
MM	80538	15-SEP-2010	12:33:41.025	12:46:15.333	754.30800
MA	80538	15-SEP-2010	11:55:05.037	11:59:33.746	268.70900
HO	80539	15-SEP-2010	14:22:22.824	14:34:55.517	752.69300
SG	80539	15-SEP-2010	14:37:30.286	14:49:44.276	733.99000
BE	80540	15-SEP-2010	14:47:07.890	14:59:56.525	768.63500
MM	80540	15-SEP-2010	15:52:50.072	16:05:25.671	755.59900

MI	80540	15-SEP-2010	15:19:45.351	15:32:16.115	750.76400
GS	80540	15-SEP-2010	15:13:37.426	15:26:57.036	799.61000
SG	80540	15-SEP-2010	16:16:37.877	16:28:49.140	731.26300
CM	80540	15-SEP-2010	15:23:40.967	15:32:56.106	555.13900
MM	80541	15-SEP-2010	17:32:02.112	17:44:33.838	751.72600
MI	80541	15-SEP-2010	16:59:25.609	17:10:47.215	681.60600
GS	80541	15-SEP-2010	16:53:05.870	17:06:06.503	780.63300
CM	80541	15-SEP-2010	17:01:46.929	17:13:23.498	696.56900
MM	80542	15-SEP-2010	19:11:10.970	19:23:49.760	758.79000
JO	80542	15-SEP-2010	19:31:47.023	19:43:41.443	714.42000
MM	80543	15-SEP-2010	20:50:37.635	21:03:21.358	763.72300
MA	80543	15-SEP-2010	19:49:48.549	20:02:37.442	768.89300
JO	80543	15-SEP-2010	21:09:51.558	21:24:36.547	884.98900
HO	80544	15-SEP-2010	22:23:26.254	22:35:22.558	716.30400
MM	80544	15-SEP-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	Polar View operated
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperatures B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK

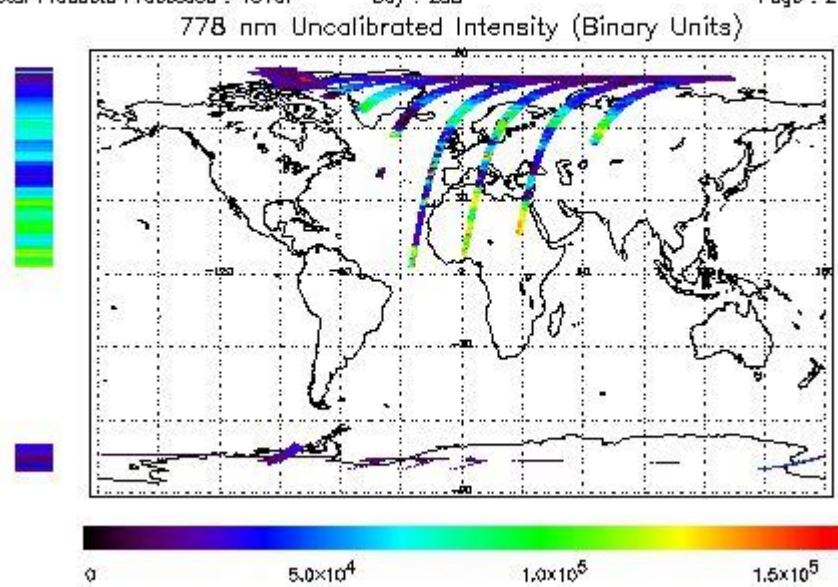
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	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 : 14-SEP-2010 23:55:26.438 : ORBIT : 80531.1687  
 Last Product : 15-SEP-2010 23:32:26.115 : ORBIT : 80546.2543  
 Total Products Processed : 13167 Day : 258 Page : 21



### Ozone Line Ratio

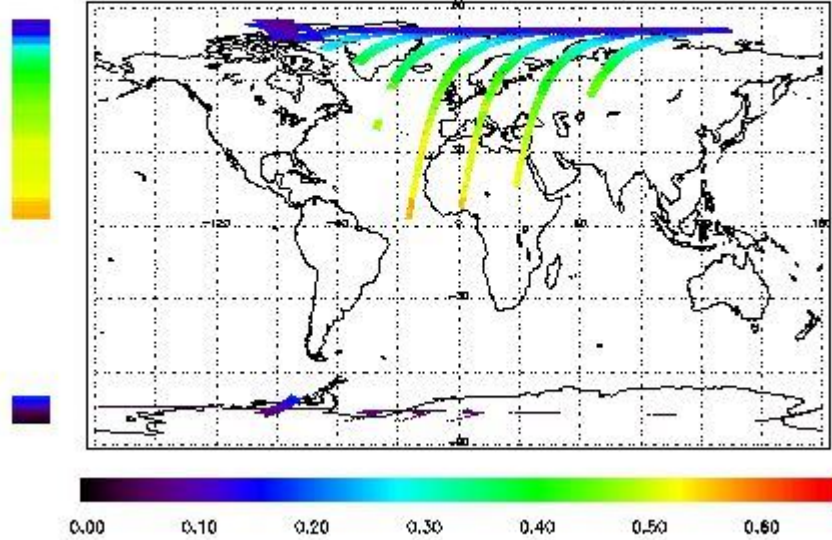
First Product : 14-SEP-2010 23:55:26.438 : ORBIT : 80531.1687

Last Product : 15-SEP-2010 23:32:26.115 : ORBIT : 80546.2543

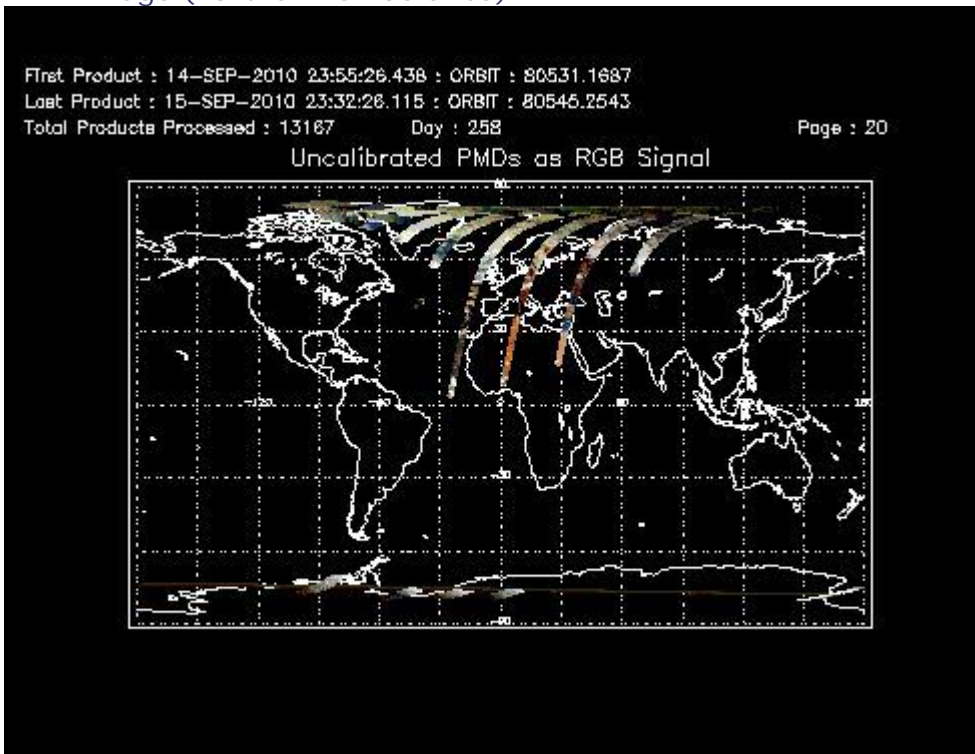
Total Products Processed : 13167 Day : 258

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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	20:08:08.361	--	80543	Yes	--	15022

#### 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
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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
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### 5.5 - Narrow Swath Timeline

Start Time	End Time	Start Orbit	End Orbit
19:00	18:30	80528	80542

## 5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	End Orbit
01:00 05-Sep	--	80388	--

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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