

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	02-SEP-2009
Start Time of First Product	00:16:47
Stop Time of Last Product	23:12:57
Number of EGOI Products analysed	33
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

### 1.2 - List of received products

Name	Date	Time
EGOI_090902GSEP7915.E2	02-SEP-2009	01:09:20.279
EGOI_090902GSEP7947.E2	02-SEP-2009	02:46:23.869
EGOI_090902GSEP7976.E2	02-SEP-2009	04:27:42.482
EGOI_090902GSEP7983.E2	02-SEP-2009	06:10:02.608
EGOI_090902HLEP3695.E2	02-SEP-2009	00:16:46.963
EGOI_090902HLEP3705.E2	02-SEP-2009	01:59:43.088
EGOI_090902HLEP3712.E2	02-SEP-2009	12:27:46.893
EGOI_090902HLEP3720.E2	02-SEP-2009	14:07:20.502
EGOI_090902KSEP8898.E2	02-SEP-2009	06:27:52.205

EGOI_090902KSEP8918.E2	02-SEP-2009	08:07:46.815
EGOI_090902KSEP8945.E2	02-SEP-2009	09:47:26.417
EGOI_090902KSEP8971.E2	02-SEP-2009	11:27:04.524
EGOI_090902KSEP8990.E2	02-SEP-2009	13:06:09.627
EGOI_090902KSEP9003.E2	02-SEP-2009	14:44:56.725
EGOI_090902KSEP9018.E2	02-SEP-2009	16:22:37.824
EGOI_090902KSEP9049.E2	02-SEP-2009	18:00:42.915
EGOI_090902KSEP9073.E2	02-SEP-2009	19:38:43.510
EGOI_090902KSEP9098.E2	02-SEP-2009	21:19:06.617
EGOI_090902KSEP9116.E2	02-SEP-2009	23:01:49.244
EGOI_090902MAEP3385.E2	02-SEP-2009	08:17:09.370
EGOI_090902MAEP3401.E2	02-SEP-2009	09:54:54.964
EGOI_090902MAEP3413.E2	02-SEP-2009	19:34:25.483
EGOI_090902MAEP3427.E2	02-SEP-2009	21:11:36.578
EGOI_090902MSEP5892.E2	02-SEP-2009	01:04:02.252
EGOI_090902MSEP5908.E2	02-SEP-2009	10:03:02.511
EGOI_090902MSEP5931.E2	02-SEP-2009	11:40:04.606
EGOI_090902MSEP5954.E2	02-SEP-2009	13:21:08.217
EGOI_090902MSEP5966.E2	02-SEP-2009	21:14:45.594
EGOI_090902MSEP5998.E2	02-SEP-2009	22:48:35.662
EGOI_090902SGEP9350.E2	02-SEP-2009	03:24:04.595
EGOI_090902SGEP9359.E2	02-SEP-2009	05:05:50.213
EGOI_090902SGEP9366.E2	02-SEP-2009	14:20:52.080
EGOI_090902SGEP9374.E2	02-SEP-2009	15:58:55.678

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	75124	02-SEP-2009	06:26:03.947	06:27:52.204	108.25700
KS	75125	02-SEP-2009	08:05:13.969	08:07:46.814	152.84500
KS	75126	02-SEP-2009	09:44:50.920	09:47:26.416	155.49600
KS	75127	02-SEP-2009	11:24:23.849	11:27:04.523	160.67400
KS	75128	02-SEP-2009	13:03:35.121	13:06:09.627	154.50600
KS	75129	02-SEP-2009	14:42:17.468	14:44:56.725	159.25700
KS	75130	02-SEP-2009	16:19:57.528	16:22:37.823	160.29500
KS	75131	02-SEP-2009	17:57:47.706	18:00:42.914	175.20800
KS	75132	02-SEP-2009	19:36:31.972	19:38:43.509	131.53700
KS	75133	02-SEP-2009	21:17:01.357	21:19:06.617	125.26000
KS	75134	02-SEP-2009	22:59:53.724	23:01:49.244	115.52000
GS	75121	02-SEP-2009	01:07:25.935	01:09:20.279	114.34400
GS	75122	02-SEP-2009	02:44:13.190	02:46:23.869	130.67900

GS	75123	02-SEP-2009	04:25:44.274	04:27:42.481	118.20700
MS	75127	02-SEP-2009	11:37:20.347	11:40:04.606	164.25900
MS	75128	02-SEP-2009	13:18:32.074	13:21:08.217	156.14300
MS	75134	02-SEP-2009	22:46:41.102	22:48:35.661	114.55900
MA	75125	02-SEP-2009	08:14:39.803	08:17:09.369	149.56600
MA	75126	02-SEP-2009	09:52:53.292	09:54:54.963	121.67100
MA	75132	02-SEP-2009	19:30:36.789	19:34:25.483	228.69400
MA	75133	02-SEP-2009	21:08:48.204	21:11:36.578	168.37400
SG	75122	02-SEP-2009	03:21:15.118	03:24:04.594	169.47600
SG	75128	02-SEP-2009	14:18:39.518	14:20:52.080	132.56200
SG	75129	02-SEP-2009	15:56:15.245	15:58:55.677	160.43200

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	75120	02-SEP-2009	00:23:28.958	00:34:37.110	668.15200
MM	75121	02-SEP-2009	02:05:46.844	02:14:54.635	547.79100
BE	75122	02-SEP-2009	03:10:14.084	03:23:37.432	803.34800
MM	75122	02-SEP-2009	03:48:49.274	03:55:37.112	407.83800
MI	75122	02-SEP-2009	02:40:11.926	02:52:15.773	723.84700
CM	75122	02-SEP-2009	02:42:01.762	02:48:03.527	361.76500
CM	75122	02-SEP-2009	04:17:40.870	04:29:59.945	739.07500
BE	75123	02-SEP-2009	04:51:07.449	04:59:43.596	516.14700
MM	75123	02-SEP-2009	05:31:31.738	05:37:19.430	347.69200
MI	75123	02-SEP-2009	04:19:29.858	04:31:24.212	714.35400
MM	75124	02-SEP-2009	07:12:55.299	07:20:14.827	439.52800
JO	75124	02-SEP-2009	06:52:53.978	07:04:14.007	680.02900
MM	75125	02-SEP-2009	08:53:29.515	09:03:10.228	580.71300
JO	75125	02-SEP-2009	08:29:54.067	08:44:49.831	895.76400
MM	75126	02-SEP-2009	10:33:42.963	10:45:13.001	690.03800
MM	75127	02-SEP-2009	12:13:42.706	12:26:11.017	748.31100
MA	75127	02-SEP-2009	11:34:12.336	11:41:40.296	447.96000
MM	75128	02-SEP-2009	13:53:28.372	14:06:12.299	763.92700
BE	75129	02-SEP-2009	14:26:56.824	14:40:13.414	796.59000
MM	75129	02-SEP-2009	15:32:58.097	15:45:35.534	757.43700
MI	75129	02-SEP-2009	15:00:26.090	15:11:41.758	675.66800

GS	75129	02-SEP-2009	14:53:57.952	15:06:32.459	754.50700
CM	75129	02-SEP-2009	15:05:28.502	15:11:15.880	347.37800
MM	75130	02-SEP-2009	17:12:12.472	17:24:44.014	751.54200
MI	75130	02-SEP-2009	16:39:07.656	16:51:38.330	750.67400
GS	75130	02-SEP-2009	16:33:04.718	16:46:37.646	812.92800
CM	75130	02-SEP-2009	16:41:39.738	16:53:55.974	736.23600
MM	75131	02-SEP-2009	18:51:20.549	19:03:57.439	756.89000
GS	75131	02-SEP-2009	18:14:00.810	18:22:00.161	479.35100
JO	75131	02-SEP-2009	19:13:02.362	19:22:23.663	561.30100
MM	75132	02-SEP-2009	20:30:41.713	20:43:25.697	763.98400
JO	75132	02-SEP-2009	20:49:54.630	21:04:55.704	901.07400
HO	75133	02-SEP-2009	22:04:35.957	22:15:08.171	632.21400
MM	75133	02-SEP-2009	22:10:39.544	22:23:10.234	750.69000
JO	75133	02-SEP-2009	22:31:28.616	22:40:26.554	537.93800
HO	75134	02-SEP-2009	23:41:02.491	23:55:25.472	862.98100
MM	75134	02-SEP-2009	23:51:33.078	00:03:09.034	695.95600

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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 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

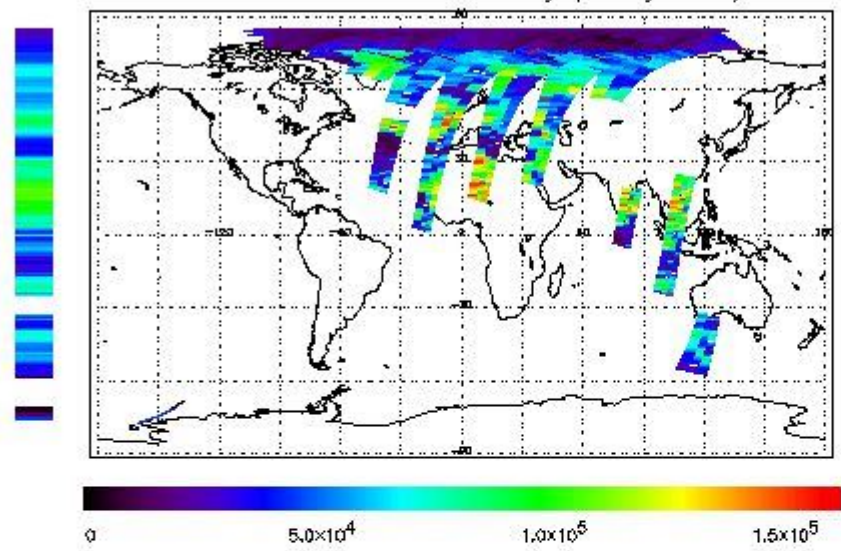
(1)

## 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

778 nm Uncalibrated Intensity (Binary Units)



Ozone Line Ratio

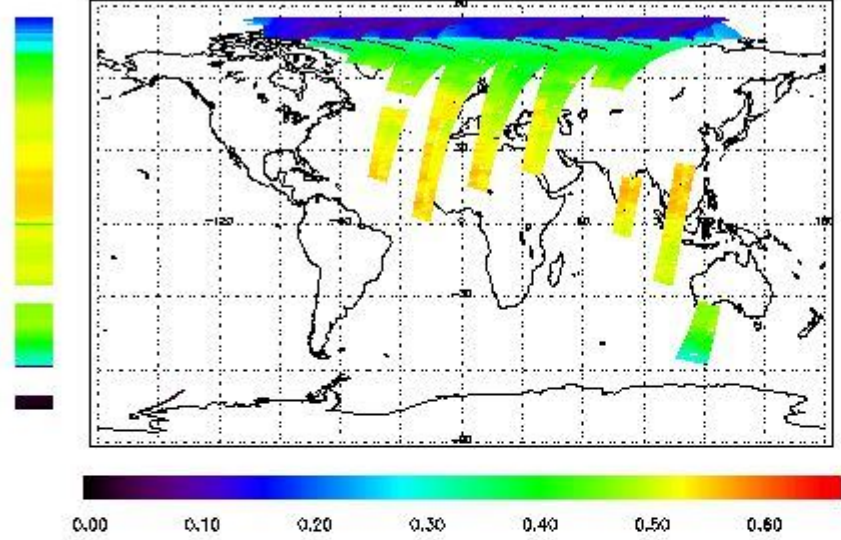
First Product : 02-SEP-2009 00:16:46.963 : ORBIT : 75120.5809

Last Product : 02-SEP-2009 23:12:56.810 : ORBIT : 75134.2606

Total Products Processed : 15043 Day : 245

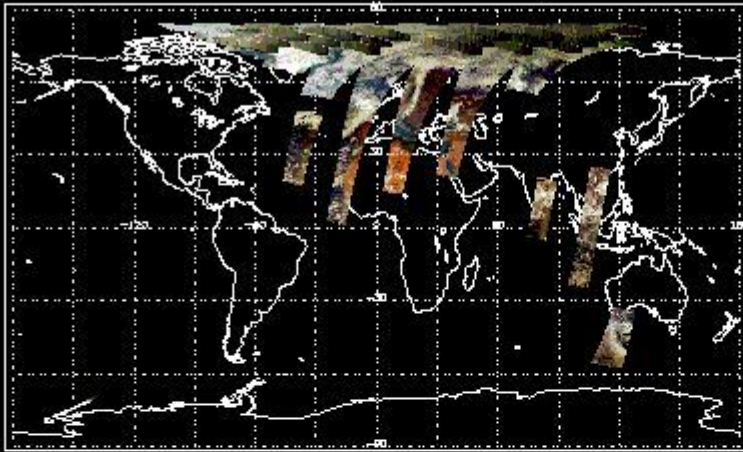
Page : 20

331/313 nm Uncalibrated Line Ratio, SZA Dependence Removed



PMD Image (Earthshine Radiance)

Uncalibrated PMDs as RGB Signal



### 3 - Instrument Calibration

#### 3.1 - Solar Calibration (Daily/TST44)

Daily(D)/TST44(T)	Start Time	End Time (T)	Orbit	Ground Station Visibility (Y/NS/NE)	Warm Detector Temperature (TST/44)	Max PMD Readout during solar calibration (BU set 2/12)
D	18:06:21.946	--	75131	Y	--	14985

(2)(3)

#### 3.2 - Lamp Calibration (Quarterly/TST44)

Quarterly(Q)/TST44(T)	Start Time	End Time	Orbit	Ground Station Visibility (Y/NS/NE)	Warm Detector Temperature (TST/44)	Lamp Instability Voltage (if any) (V)	Lamp Failure N. (if any)
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(2)(3)

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### 4 - Instrument Anomalies



#### 4.1 - Single Event Upset (SEU)

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility (Y/NS/NE)
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(2)

#### 4.2 - Instrument Off

Start Time	End Time	Start Orbit	End Orbit	MPS Resumption	Ground Station Visibility (Y/NS/NE)
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(2)

#### 4.3 - Cooler Switchings

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility (Y/NS/NE)	Max Temp. Ch 1	Max Temp. Ch 2	Max Temp. Ch 3	Max Temp. Ch 4
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(2)

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### 5 - Instrument Operations

#### 5.1 - Timeline Interruptions

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility (Y/NS/NE)
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(2)

#### 5.2 - TST44

Start Time	Start Orbit	Ground Station Visibility (Y/NS/NE)
--	--	--

(2)

#### 5.3 - Power Cycle

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility (Y/NS/NE)
--	--	--	--	--

(2)

#### 5.4 - Wrong Command Execution

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility (Y/NS/NE)
--	--	--	--	--

(2)

#### 5.5 - Narrow Swath Timeline

Start Time	End Time	Start Orbit	End Orbit
--	--	--	--

#### 5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	End Orbit
--	--	--	--

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Legend:

(1) The Instrument Indicators field has the values: OK or NOK (Not OK)

(2) The Ground Station Visibility field has the values: Y (in case of visibility); NS (No Start); NE (No End). This occurs since the failure of the on-board recorder (2003)

(3) 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