

GOME Daily Report

INDEX

1. [General Info](#)
 - 1.1 [Report Summary](#)
 - 1.2 [List of received products](#)
 - 1.3 [List of data gaps](#)
 - 1.4 [List of missing products](#)
 - 1.5 [List of corrupted products](#)
2. [Instrument Indicators and Daily Plots](#)
 - 2.1 [Instrument Indicators Status](#)
 - 2.2 [Daily Plots](#)
3. [Instrument Calibration](#)
 - 3.1 [Solar Calibration \(daily/TST44\)](#)
 - 3.2 [Lamp Calibration \(quarterly/TST44\)](#)
4. [Instrument Anomalies](#)
 - 4.1 [Single Event Upset \(SEU\)](#)
 - 4.2 [Instrument Off](#)
 - 4.3 [Cooler Switchings](#)
5. [Instrument Operations](#)
 - 5.1 [Timeline Interruptions](#)
 - 5.2 [TST44](#)
 - 5.3 [Power Cycle](#)
 - 5.4 [Wrong Command Execution](#)
 - 5.5 [Narrow Swath Timeline](#)
 - 5.6 [Seasonal Operations](#)

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	14-OCT-2009
Start Time of First Product	00:42:07
Stop Time of Last Product	22:53:04
Number of EGOI Products analysed	27
Number of corrupted products	--
Anomalies and/or Special Operations	Narrow Swath performed as planned, start orbit 75732

1.2 - List of received products

Name	Date	Time
EGOI_091014BEEP0891.E2	14-OCT-2009	02:52:57.776
EGOI_091014BEEP0897.E2	14-OCT-2009	04:33:28.387
EGOI_091014GSEP0679.E2	14-OCT-2009	02:26:23.120
EGOI_091014GSEP0704.E2	14-OCT-2009	04:07:01.227
EGOI_091014KSEP9710.E2	14-OCT-2009	07:47:28.070
EGOI_091014KSEP9734.E2	14-OCT-2009	09:27:30.181
EGOI_091014KSEP9761.E2	14-OCT-2009	11:07:06.788
EGOI_091014KSEP9792.E2	14-OCT-2009	12:46:22.392
EGOI_091014KSEP9805.E2	14-OCT-2009	14:25:15.504

EGOI_091014KSEP9819.E2	14-OCT-2009	16:03:01.404
EGOI_091014KSEP9849.E2	14-OCT-2009	17:40:57.496
EGOI_091014KSEP9885.E2	14-OCT-2009	19:18:49.095
EGOI_091014KSEP9920.E2	14-OCT-2009	20:58:49.706
EGOI_091014KSEP9950.E2	14-OCT-2009	22:41:12.837
EGOI_091014MAEP4847.E2	14-OCT-2009	09:35:16.724
EGOI_091014MAEP4856.E2	14-OCT-2009	11:14:48.835
EGOI_091014MIEP1395.E2	14-OCT-2009	02:23:39.600
EGOI_091014MIEP1415.E2	14-OCT-2009	04:02:14.699
EGOI_091014MIEP1436.E2	14-OCT-2009	14:43:53.114
EGOI_091014MIEP1464.E2	14-OCT-2009	16:21:37.514
EGOI_091014MSEP0519.E2	14-OCT-2009	00:42:07.481
EGOI_091014MSEP0542.E2	14-OCT-2009	11:20:14.366
EGOI_091014MSEP0566.E2	14-OCT-2009	13:00:26.983
EGOI_091014MSEP0599.E2	14-OCT-2009	22:29:26.266
EGOI_091014SGEP0404.E2	14-OCT-2009	03:04:14.343
EGOI_091014SGEP0413.E2	14-OCT-2009	04:44:26.954
EGOI_091014SGEP0421.E2	14-OCT-2009	14:02:19.859

[\[BACK TO MENU \]](#)

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	75726	14-OCT-2009	07:45:19.976	07:47:28.070	128.09400
KS	75727	14-OCT-2009	09:24:55.279	09:27:30.181	154.90200
KS	75728	14-OCT-2009	11:04:30.406	11:07:06.788	156.38200
KS	75729	14-OCT-2009	12:43:47.536	12:46:22.391	154.85500
KS	75730	14-OCT-2009	14:22:36.517	14:25:15.503	158.98600
KS	75731	14-OCT-2009	16:00:23.187	16:03:01.404	158.21700
KS	75732	14-OCT-2009	17:38:18.196	17:40:57.496	159.30000
KS	75733	14-OCT-2009	19:16:39.543	19:18:49.094	129.55100
KS	75734	14-OCT-2009	20:56:45.544	20:58:49.706	124.16200
KS	75735	14-OCT-2009	22:39:04.971	22:41:12.837	127.86600
GS	75724	14-OCT-2009	04:04:57.218	04:07:01.226	124.00800
MS	75722	14-OCT-2009	00:40:14.139	00:42:07.481	113.34200
MS	75728	14-OCT-2009	11:17:31.028	11:20:14.366	163.33800
MS	75729	14-OCT-2009	12:57:51.167	13:00:26.983	155.81600
MS	75735	14-OCT-2009	22:27:13.253	22:29:26.266	133.01300
MA	75727	14-OCT-2009	09:33:01.273	09:35:16.723	135.45000
MA	75728	14-OCT-2009	11:13:43.565	11:14:48.835	65.270000
MI	75723	14-OCT-2009	02:21:12.584	02:23:39.599	147.01500

MI	75724	14-OCT-2009	03:59:05.033	04:02:14.699	189.66600
MI	75730	14-OCT-2009	14:41:30.801	14:43:53.113	142.31200
MI	75731	14-OCT-2009	16:19:01.548	16:21:37.513	155.96500
BE	75723	14-OCT-2009	02:50:22.146	02:52:57.775	155.62900
BE	75724	14-OCT-2009	04:30:39.496	04:33:28.386	168.89000
SG	75723	14-OCT-2009	03:01:37.768	03:04:14.343	156.57500
SG	75724	14-OCT-2009	04:42:31.562	04:44:26.953	115.39100
SG	75729	14-OCT-2009	14:00:35.360	14:02:19.859	104.49900

[[BACK TO MENU](#)]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	75721	13-OCT-2009	23:52:19.124	00:06:48.353	869.22900
MM	75721	14-OCT-2009	00:03:09.002	00:14:35.453	686.45100
HO	75722	14-OCT-2009	01:33:31.003	01:45:08.439	697.43600
MM	75722	14-OCT-2009	01:45:14.553	01:54:49.705	575.15200
GS	75722	14-OCT-2009	00:48:42.892	00:57:26.789	523.89700
MM	75723	14-OCT-2009	03:28:11.578	03:35:25.399	433.82100
CM	75723	14-OCT-2009	03:57:48.328	04:10:11.651	743.32300
MM	75724	14-OCT-2009	05:11:05.070	05:16:52.013	346.94300
MM	75725	14-OCT-2009	06:52:44.020	06:59:37.080	413.06000
KS	75725	14-OCT-2009	06:06:28.813	06:12:13.968	345.15500
CM	75725	14-OCT-2009	05:42:08.653	05:44:49.523	160.87000
JO	75725	14-OCT-2009	06:34:33.507	06:43:24.013	530.50600
MM	75726	14-OCT-2009	08:33:24.818	08:42:38.421	553.60300
MA	75726	14-OCT-2009	07:55:59.129	08:01:45.734	346.60500
JO	75726	14-OCT-2009	08:10:00.070	08:25:00.925	900.85500
MM	75727	14-OCT-2009	10:13:41.430	10:24:53.617	672.18700
JO	75727	14-OCT-2009	09:52:27.583	10:01:56.747	569.16400
HO	75728	14-OCT-2009	12:03:02.249	12:16:30.723	808.47400
MM	75728	14-OCT-2009	11:53:43.827	12:06:04.394	740.56700
HO	75729	14-OCT-2009	13:42:05.674	13:56:32.608	866.93400
MM	75729	14-OCT-2009	13:33:32.456	13:46:15.788	763.33200
BE	75730	14-OCT-2009	14:06:58.850	14:20:23.828	804.97800
HO	75730	14-OCT-2009	15:23:29.992	15:30:49.087	439.09500
MM	75730	14-OCT-2009	15:13:05.486	15:25:44.818	759.33200

GS	75730	14-OCT-2009	14:34:26.849	14:45:24.783	657.93400
SG	75730	14-OCT-2009	15:36:10.102	15:49:59.331	829.22900
BE	75731	14-OCT-2009	15:49:31.145	15:57:56.862	505.71700
MM	75731	14-OCT-2009	16:52:22.544	17:04:54.423	751.87900
GS	75731	14-OCT-2009	16:13:07.081	16:26:58.434	831.35300
CM	75731	14-OCT-2009	16:21:46.010	16:34:10.545	744.53500
MM	75732	14-OCT-2009	18:31:30.639	18:44:05.744	755.10500
GS	75732	14-OCT-2009	17:53:35.724	18:03:24.138	588.41400
CM	75732	14-OCT-2009	18:04:52.835	18:08:28.100	215.26500
MM	75733	14-OCT-2009	20:10:47.282	20:23:30.700	763.41800
MA	75733	14-OCT-2009	19:13:16.669	19:21:17.610	480.94100
JO	75733	14-OCT-2009	20:30:06.069	20:45:01.156	895.08700
HO	75734	14-OCT-2009	21:46:15.818	21:54:40.214	504.39600
MM	75734	14-OCT-2009	21:50:36.020	22:03:12.118	756.09800
MA	75734	14-OCT-2009	20:48:34.174	21:02:17.066	822.89200
JO	75734	14-OCT-2009	22:10:39.806	22:22:04.565	684.75900
HO	75735	14-OCT-2009	23:21:18.967	23:35:29.597	850.63000
MM	75735	14-OCT-2009	23:31:17.287	23:43:08.217	710.93000

[[BACK TO MENU](#)]

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	South Polar View operations
Polarization Detectors	OK

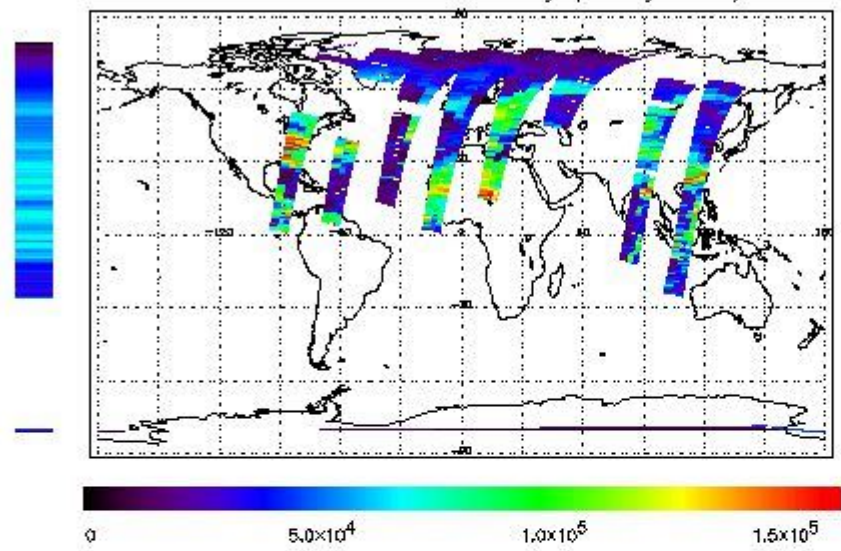
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected 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

778 nm Uncalibrated Intensity (Binary Units)



Ozone Line Ratio

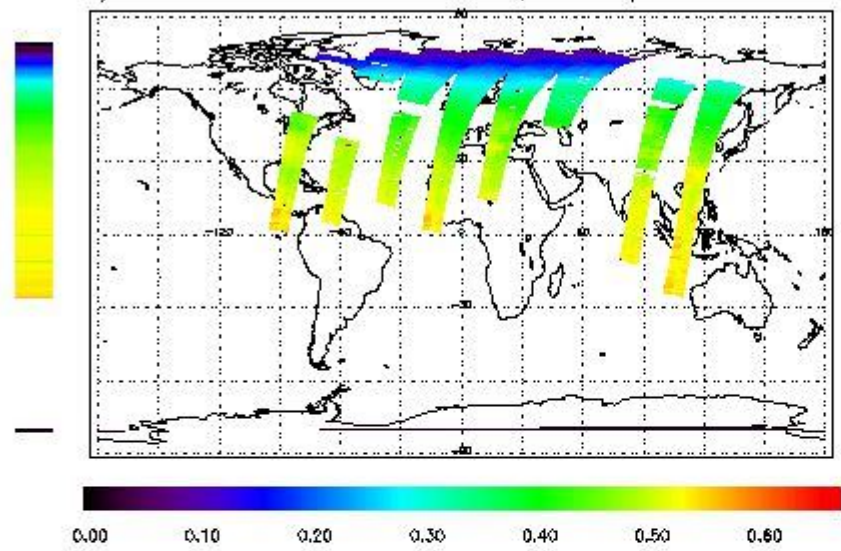
First Product : 14-OCT-2009 00:42:07.481 : ORBIT : 75722.0328

Last Product : 14-OCT-2009 22:53:03.911 : ORBIT : 75735.2629

Total Products Processed : 13343 Day : 287

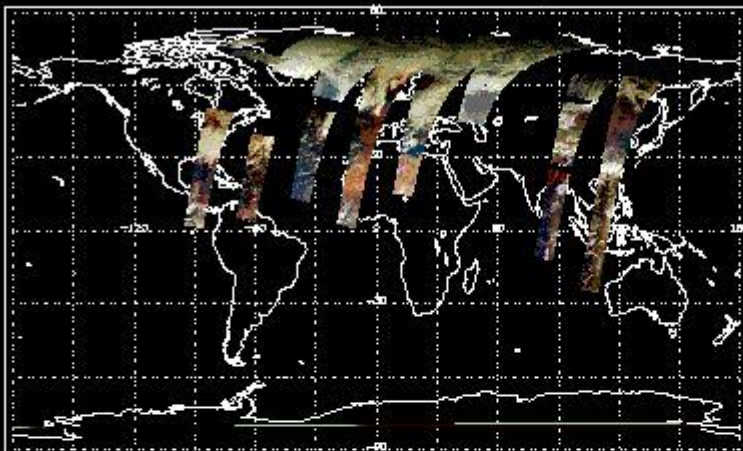
Page : 20

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	Warm Detector Temperature (TST/44)	Max PMD Readout during solar calibration (BU set 2/12)
D	16:10:29.940	--	75731	Yes	--	15334

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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[BACK TO MENU]

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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[[BACK TO MENU](#)]

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
--	--	--	--	--

5.5 - Narrow Swath Timeline

Start Time	End Time	Start Orbit	End Orbit
18:00	--	75732	--

5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	End Orbit
01:00 05-Sep	--	75164	--

[[BACK TO MENU](#)]

(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