

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	03-SEP-2009
Start Time of First Product	23:45:38 (02-SEP-2009)
Stop Time of Last Product	23:26:21
Number of EGOI Products analysed	42
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_090903BEEP0607.E2	03-SEP-2009	02:41:47.577
EGOI_090903BEEP0613.E2	03-SEP-2009	04:21:40.683
EGOI_090903GSEP8012.E2	03-SEP-2009	02:15:21.909
EGOI_090903GSEP8038.E2	03-SEP-2009	03:55:19.514
EGOI_090903GSEP8046.E2	03-SEP-2009	05:37:59.135
EGOI_090903HLEP3730.E2	02-SEP-2009	23:45:37.506
EGOI_090903HLEP3738.E2	03-SEP-2009	01:26:30.616
EGOI_090903HLEP3745.E2	03-SEP-2009	11:56:58.442
EGOI_090903HLEP3752.E2	03-SEP-2009	13:35:53.045

EGOI_090903HLEP3762.E2	03-SEP-2009	15:16:58.155
EGOI_090903HLEP3770.E2	03-SEP-2009	21:41:33.491
EGOI_090903HLEP3777.E2	03-SEP-2009	23:14:56.555
EGOI_090903KSEP9142.E2	03-SEP-2009	07:36:04.359
EGOI_090903KSEP9166.E2	03-SEP-2009	09:16:06.464
EGOI_090903KSEP9194.E2	03-SEP-2009	10:55:44.571
EGOI_090903KSEP9227.E2	03-SEP-2009	12:35:03.173
EGOI_090903KSEP9254.E2	03-SEP-2009	14:14:00.771
EGOI_090903KSEP9268.E2	03-SEP-2009	15:51:50.866
EGOI_090903KSEP9298.E2	03-SEP-2009	17:29:46.965
EGOI_090903KSEP9324.E2	03-SEP-2009	19:07:40.060
EGOI_090903KSEP9359.E2	03-SEP-2009	20:47:15.159
EGOI_090903KSEP9388.E2	03-SEP-2009	22:29:17.285
EGOI_090903MAEP3443.E2	03-SEP-2009	09:23:48.514
EGOI_090903MAEP3453.E2	03-SEP-2009	11:03:23.614
EGOI_090903MAEP3463.E2	03-SEP-2009	19:07:40.060
EGOI_090903MAEP3482.E2	03-SEP-2009	22:21:29.235
EGOI_090903MIEP8240.E2	03-SEP-2009	14:33:18.892
EGOI_090903MIEP8267.E2	03-SEP-2009	16:10:05.981
EGOI_090903MIEP8286.E2	03-SEP-2009	17:52:44.098
EGOI_090903MMEP7769.E2	03-SEP-2009	11:44:02.864
EGOI_090903MMEP7780.E2	03-SEP-2009	16:42:54.174
EGOI_090903MMEP7788.E2	03-SEP-2009	18:22:54.787
EGOI_090903MMEP7797.E2	03-SEP-2009	21:41:58.995
EGOI_090903MSEP6024.E2	03-SEP-2009	00:30:00.280
EGOI_090903MSEP6044.E2	03-SEP-2009	11:09:13.149
EGOI_090903MSEP6071.E2	03-SEP-2009	12:48:40.755
EGOI_090903MSEP6101.E2	03-SEP-2009	22:18:23.215
EGOI_090903SGEP9382.E2	03-SEP-2009	02:53:02.643
EGOI_090903SGEP9390.E2	03-SEP-2009	04:33:00.249
EGOI_090903SGEP9399.E2	03-SEP-2009	13:52:41.142
EGOI_090903SGEP9406.E2	03-SEP-2009	15:27:13.217
EGOI_090903SGEP9415.E2	03-SEP-2009	17:12:28.856

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	75139	03-SEP-2009	07:33:58.188	07:36:04.358	126.17000
KS	75140	03-SEP-2009	09:13:32.029	09:16:06.464	154.43500
KS	75141	03-SEP-2009	10:53:08.112	10:55:44.571	156.45900
KS	75142	03-SEP-2009	12:32:28.231	12:35:03.172	154.94100
KS	75143	03-SEP-2009	14:11:20.850	14:14:00.770	159.92000
KS	75144	03-SEP-2009	15:49:13.278	15:51:50.865	157.58700

KS	75145	03-SEP-2009	17:27:07.315	17:29:46.964	159.64900
KS	75146	03-SEP-2009	19:05:19.880	19:07:40.060	140.18000
KS	75147	03-SEP-2009	20:45:13.180	20:47:15.159	121.97900
KS	75148	03-SEP-2009	22:27:14.979	22:29:17.284	122.30500
GS	75136	03-SEP-2009	02:13:44.243	02:15:21.908	97.665000
GS	75137	03-SEP-2009	03:53:12.548	03:55:19.514	126.96600
MS	75135	03-SEP-2009	00:27:59.638	00:30:00.279	120.64100
MS	75141	03-SEP-2009	11:06:16.453	11:09:13.148	176.69500
MS	75142	03-SEP-2009	12:46:07.456	12:48:40.755	153.29900
MS	75148	03-SEP-2009	22:16:13.188	22:18:23.215	130.02700
MS	75149	03-SEP-2009	23:55:18.549	23:57:38.818	140.26900
MA	75140	03-SEP-2009	09:21:42.943	09:23:48.513	125.57000
MA	75141	03-SEP-2009	11:01:59.393	11:03:23.613	84.220000
MA	75146	03-SEP-2009	19:03:23.958	19:07:40.060	256.10200
MA	75148	03-SEP-2009	22:20:27.888	22:21:29.234	61.346000
MI	75143	03-SEP-2009	14:31:02.331	14:33:18.891	136.56000
MI	75144	03-SEP-2009	16:07:36.933	16:10:05.980	149.04700
MI	75145	03-SEP-2009	17:50:36.998	17:52:44.097	127.09900
MM	75141	03-SEP-2009	11:42:18.510	11:44:02.864	104.35400
MM	75144	03-SEP-2009	16:41:02.416	16:42:54.174	111.75800
MM	75145	03-SEP-2009	18:20:10.840	18:22:54.786	163.94600
MM	75147	03-SEP-2009	21:39:09.257	21:41:58.994	169.73700
BE	75136	03-SEP-2009	02:39:03.683	02:41:47.577	163.89400
BE	75137	03-SEP-2009	04:19:03.293	04:21:40.682	157.38900
SG	75136	03-SEP-2009	02:50:32.518	02:53:02.643	150.12500
SG	75137	03-SEP-2009	04:30:32.869	04:33:00.249	147.38000
SG	75143	03-SEP-2009	15:24:48.380	15:27:13.217	144.83700

[[BACK TO MENU](#)]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	75134	02-SEP-2009	23:51:33.078	00:03:09.034	695.95600
MM	75135	03-SEP-2009	01:33:31.360	01:43:21.533	590.17300
MM	75136	03-SEP-2009	03:16:24.296	03:23:53.884	449.58800
MI	75136	03-SEP-2009	02:10:33.304	02:20:02.943	569.63900
CM	75136	03-SEP-2009	03:46:34.647	03:58:46.718	732.07100

MM	75137	03-SEP-2009	04:59:22.523	05:05:12.269	349.74600
MI	75137	03-SEP-2009	03:47:33.378	04:00:44.762	791.38400
MM	75138	03-SEP-2009	06:41:10.867	06:47:49.988	399.12100
KS	75138	03-SEP-2009	05:55:25.695	05:59:51.163	265.46800
CM	75138	03-SEP-2009	05:28:48.352	05:35:21.595	393.24300
JO	75138	03-SEP-2009	06:24:28.245	06:31:10.045	401.80000
MM	75139	03-SEP-2009	08:21:56.031	08:30:53.621	537.59000
JO	75139	03-SEP-2009	07:58:43.928	08:13:37.787	893.85900
MM	75140	03-SEP-2009	10:02:14.598	10:13:15.638	661.04000
JO	75140	03-SEP-2009	09:40:13.467	09:51:17.564	664.09700
MM	75142	03-SEP-2009	13:22:08.792	13:34:51.308	762.51600
BE	75143	03-SEP-2009	13:55:39.818	14:09:01.521	801.70300
MM	75143	03-SEP-2009	15:01:43.699	15:14:24.077	760.37800
GS	75143	03-SEP-2009	14:23:23.081	14:33:54.856	631.77500
BE	75144	03-SEP-2009	15:37:19.775	15:47:07.320	587.54500
GS	75144	03-SEP-2009	16:01:44.304	16:15:39.974	835.67000
CM	75144	03-SEP-2009	16:10:29.861	16:22:45.378	735.51700
GS	75145	03-SEP-2009	17:42:00.277	17:52:38.447	638.17000
CM	75145	03-SEP-2009	17:52:06.469	17:58:48.457	401.98800
MM	75146	03-SEP-2009	19:59:25.343	20:12:08.147	762.80400
JO	75146	03-SEP-2009	20:18:50.942	20:33:32.233	881.29100
MA	75147	03-SEP-2009	20:37:14.899	20:50:54.837	819.93800
JO	75147	03-SEP-2009	21:58:56.322	22:11:21.165	744.84300
MM	75148	03-SEP-2009	23:19:43.723	23:31:42.270	718.54700

[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	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

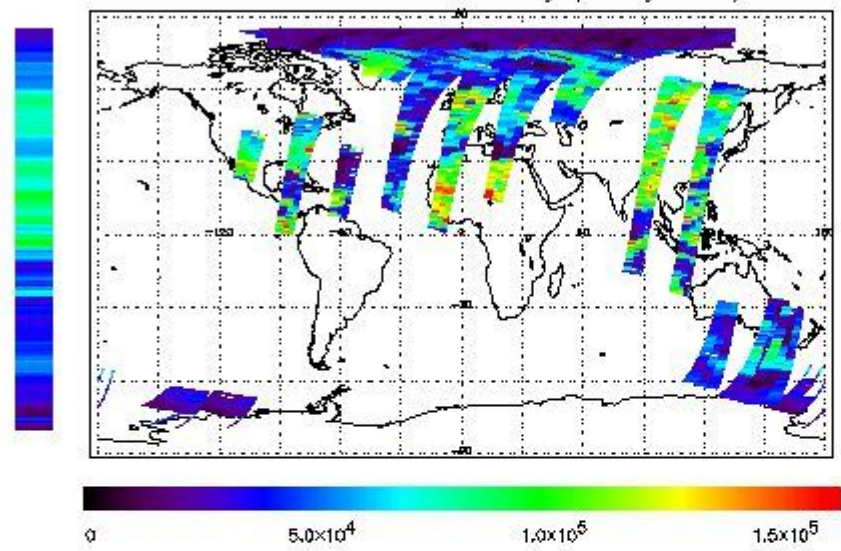
(1)

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

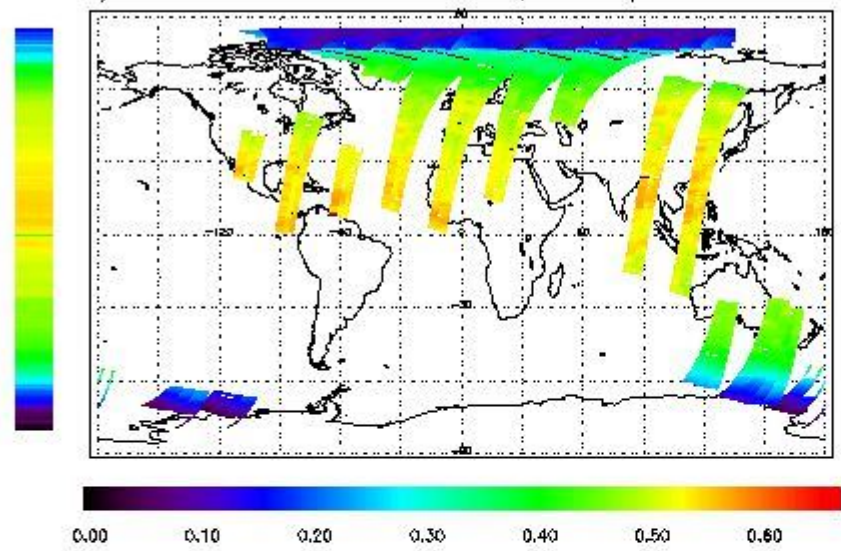
First Product : 02-SEP-2009 23:45:37.506 : ORBIT : 75134.5854

Last Product : 03-SEP-2009 23:26:20.825 : ORBIT : 75148.7080

Total Products Processed : 18977 Day : 246

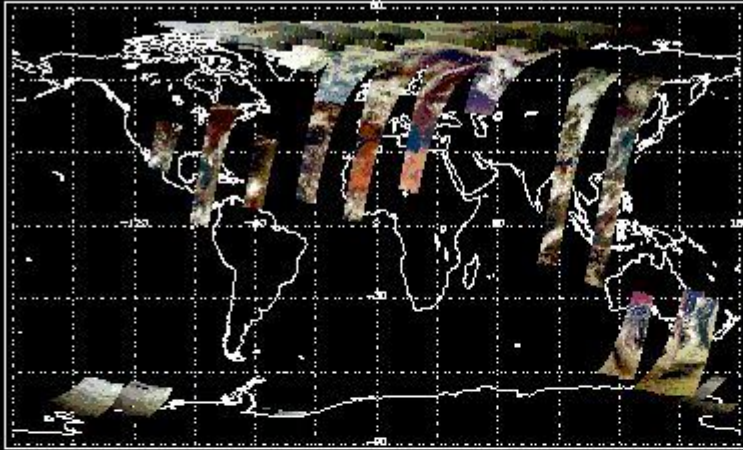
Page : 20

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	17:34:48.496	--	75145	Y	--	14963

(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)

[BACK TO MENU]

4 - Instrument Anomalies

4.1 - Single Event Upset (SEU)

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

(2)

4.2 - Instrument Off

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

(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)

[BACK TO MENU]

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
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5.6 - Seasonal Operations

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

[[BACK TO MENU](#)]

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