

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	07-SEP-2009
Start Time of First Product	00:23:29
Stop Time of Last Product	23:45:12
Number of EGOI Products analysed	38
Number of corrupted products	1
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_090907BEEP0639.E2	07-SEP-2009	02:16:29.405
EGOI_090907BEEP0645.E2	07-SEP-2009	03:55:45.006
EGOI_090907GSEP8273.E2	07-SEP-2009	01:50:23.248
EGOI_090907GSEP8302.E2	07-SEP-2009	03:29:16.350
EGOI_090907GSEP8312.E2	07-SEP-2009	05:11:55.971
EGOI_090907KSEP0193.E2	07-SEP-2009	07:10:28.193
EGOI_090907KSEP0217.E2	07-SEP-2009	08:50:28.799
EGOI_090907KSEP0247.E2	07-SEP-2009	10:30:08.402
EGOI_090907KSEP0279.E2	07-SEP-2009	12:09:33.009

EGOI_090907KSEP0295.E2	07-SEP-2009	13:48:32.104
EGOI_090907KSEP0323.E2	07-SEP-2009	15:27:01.202
EGOI_090907KSEP0345.E2	07-SEP-2009	17:04:27.293
EGOI_090907KSEP0378.E2	07-SEP-2009	18:42:27.896
EGOI_090907KSEP0414.E2	07-SEP-2009	20:21:28.491
EGOI_090907KSEP0445.E2	07-SEP-2009	22:03:05.110
EGOI_090907MAEP3601.E2	07-SEP-2009	08:58:34.846
EGOI_090907MAEP3613.E2	07-SEP-2009	10:37:35.449
EGOI_090907MIEP8616.E2	07-SEP-2009	01:49:47.245
EGOI_090907MIEP8641.E2	07-SEP-2009	03:24:26.823
EGOI_090907MIEP8664.E2	07-SEP-2009	05:07:10.944
EGOI_090907MIEP8674.E2	07-SEP-2009	15:44:34.311
EGOI_090907MIEP8696.E2	07-SEP-2009	17:25:33.422
EGOI_090907MMEP7901.E2	07-SEP-2009	02:51:05.616
EGOI_090907MMEP7909.E2	07-SEP-2009	04:33:49.737
EGOI_090907MMEP7918.E2	07-SEP-2009	07:57:19.474
EGOI_090907MMEP7927.E2	07-SEP-2009	12:58:04.802
EGOI_090907MMEP7936.E2	07-SEP-2009	14:37:42.905
EGOI_090907MMEP7943.E2	07-SEP-2009	16:17:22.508
EGOI_090907MMEP7950.E2	07-SEP-2009	22:55:27.930
EGOI_090907MSEP6453.E2	07-SEP-2009	00:03:28.599
EGOI_090907MSEP6470.E2	07-SEP-2009	10:44:00.988
EGOI_090907MSEP6498.E2	07-SEP-2009	12:22:51.088
EGOI_090907MSEP6527.E2	07-SEP-2009	21:54:00.559
EGOI_090907MSEP6558.E2	07-SEP-2009	23:31:58.150
EGOI_090907SGEP9510.E2	07-SEP-2009	02:28:11.475
EGOI_090907SGEP9518.E2	07-SEP-2009	04:06:31.573
EGOI_090907SGEP9525.E2	07-SEP-2009	15:01:53.550
EGOI_090907SGEP9534.E2	07-SEP-2009	16:43:19.668

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	75196	07-SEP-2009	07:08:26.111	07:10:28.193	122.08200
KS	75197	07-SEP-2009	08:47:54.812	08:50:28.799	153.98700
KS	75198	07-SEP-2009	10:27:32.242	10:30:08.402	156.16000
KS	75199	07-SEP-2009	12:06:58.164	12:09:33.009	154.84500
KS	75200	07-SEP-2009	13:45:54.167	13:48:32.104	157.93700
KS	75201	07-SEP-2009	15:24:04.923	15:27:01.202	176.27900
KS	75202	07-SEP-2009	17:01:47.063	17:04:27.293	160.23000
KS	75203	07-SEP-2009	18:39:54.882	18:42:27.895	153.01300
KS	75204	07-SEP-2009	20:19:21.350	20:21:28.491	127.14100

KS	75205	07-SEP-2009	22:00:46.053	22:03:05.109	139.05600
KS	75206	07-SEP-2009	23:45:03.260	23:46:47.739	104.47900
GS	75193	07-SEP-2009	01:48:20.582	01:50:23.248	122.66600
GS	75194	07-SEP-2009	03:27:03.981	03:29:16.349	132.36800
MS	75192	07-SEP-2009	00:01:10.534	00:03:28.598	138.06400
MS	75198	07-SEP-2009	10:41:22.006	10:44:00.987	158.98100
MS	75199	07-SEP-2009	12:20:09.510	12:22:51.088	161.57800
MS	75205	07-SEP-2009	21:51:51.565	21:54:00.558	128.99300
MS	75206	07-SEP-2009	23:29:13.235	23:31:58.149	164.91400
MA	75197	07-SEP-2009	08:56:50.467	08:58:34.846	104.37900
MA	75198	07-SEP-2009	10:35:32.499	10:37:35.449	122.95000
MI	75193	07-SEP-2009	01:47:35.461	01:49:47.244	131.78300
MI	75194	07-SEP-2009	03:21:56.218	03:24:26.822	150.60400
MI	75195	07-SEP-2009	05:04:57.305	05:07:10.943	133.63800
MI	75201	07-SEP-2009	15:42:08.471	15:44:34.311	145.84000
MI	75202	07-SEP-2009	17:22:58.623	17:25:33.421	154.79800
MM	75193	07-SEP-2009	02:49:53.561	02:51:05.616	72.055000
MM	75196	07-SEP-2009	07:56:05.053	07:57:19.474	74.421000
MM	75199	07-SEP-2009	12:56:29.819	12:58:04.802	94.983000
MM	75200	07-SEP-2009	14:36:08.867	14:37:42.905	94.038000
MM	75201	07-SEP-2009	16:15:31.579	16:17:22.507	110.92800
MM	75205	07-SEP-2009	22:53:46.266	22:55:27.930	101.66400
BE	75193	07-SEP-2009	02:13:45.561	02:16:29.405	163.84400
BE	75194	07-SEP-2009	03:53:06.527	03:55:45.005	158.47800
SG	75193	07-SEP-2009	02:26:01.545	02:28:11.475	129.93000
SG	75194	07-SEP-2009	04:04:09.138	04:06:31.573	142.43500
SG	75200	07-SEP-2009	14:59:32.891	15:01:53.549	140.65800
SG	75201	07-SEP-2009	16:40:25.427	16:43:19.667	174.24000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	75192	07-SEP-2009	00:55:21.544	01:09:00.230	818.68600
MM	75192	07-SEP-2009	01:07:11.986	01:17:33.999	622.01300
KS	75192	07-SEP-2009	00:19:08.032	00:22:13.760	185.72800
CM	75194	07-SEP-2009	03:21:41.264	03:32:48.806	667.54200

CM	75194	07-SEP-2009	05:01:21.800	05:11:32.942	611.14200
MM	75195	07-SEP-2009	06:15:08.124	06:21:20.436	372.31200
JO	75196	07-SEP-2009	07:33:39.414	07:47:50.737	851.32300
MM	75197	07-SEP-2009	09:36:28.552	09:47:02.066	633.51400
JO	75197	07-SEP-2009	09:13:23.085	09:26:43.722	800.63700
HO	75198	07-SEP-2009	11:26:47.398	11:38:07.306	679.90800
MM	75198	07-SEP-2009	11:16:35.911	11:28:37.069	721.15800
HO	75199	07-SEP-2009	13:05:03.804	13:19:53.128	889.32400
HO	75200	07-SEP-2009	14:45:30.909	14:55:43.005	612.09600
GS	75200	07-SEP-2009	13:58:56.398	14:06:24.179	447.78100
BE	75201	07-SEP-2009	15:10:30.468	15:22:18.337	707.86900
GS	75201	07-SEP-2009	15:36:12.638	15:50:00.827	828.18900
CM	75201	07-SEP-2009	15:45:26.863	15:56:41.135	674.27200
MM	75202	07-SEP-2009	17:54:41.502	18:07:14.064	752.56200
GS	75202	07-SEP-2009	17:16:03.274	17:28:09.121	725.84700
CM	75202	07-SEP-2009	17:25:06.590	17:35:11.536	604.94600
MM	75203	07-SEP-2009	19:33:52.335	19:46:33.214	760.87900
JO	75203	07-SEP-2009	19:53:44.886	20:07:23.395	818.50900
MM	75204	07-SEP-2009	21:13:26.444	21:26:08.606	762.16200
MA	75204	07-SEP-2009	20:11:59.714	20:25:42.263	822.54900
JO	75204	07-SEP-2009	21:32:49.874	21:46:48.568	838.69400
HO	75205	07-SEP-2009	22:45:17.833	22:58:18.155	780.32200
MA	75205	07-SEP-2009	21:52:54.122	22:04:22.031	687.90900

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1.5 - List of corrupted products

Station	Orbit	Time
MI	75202	17:35:18.480

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

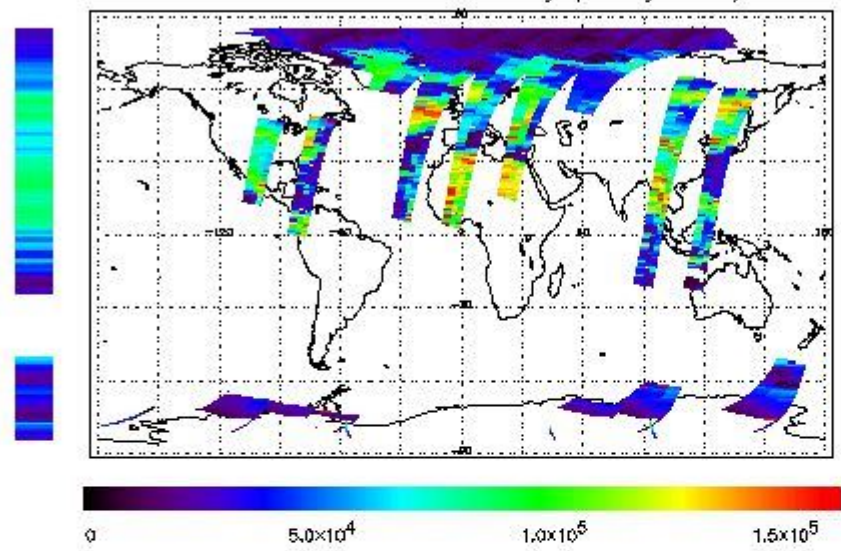
(1)

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

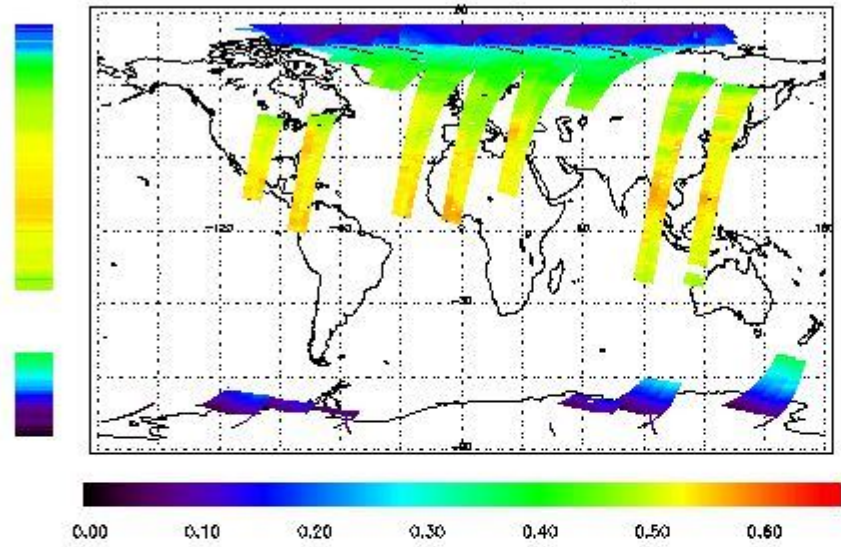
First Product : 07-SEP-2009 00:03:28.598 : ORBIT : 75192.0200

Last Product : 07-SEP-2009 23:45:11.728 : ORBIT : 75206.1526

Total Products Processed : 18661 Day : 250

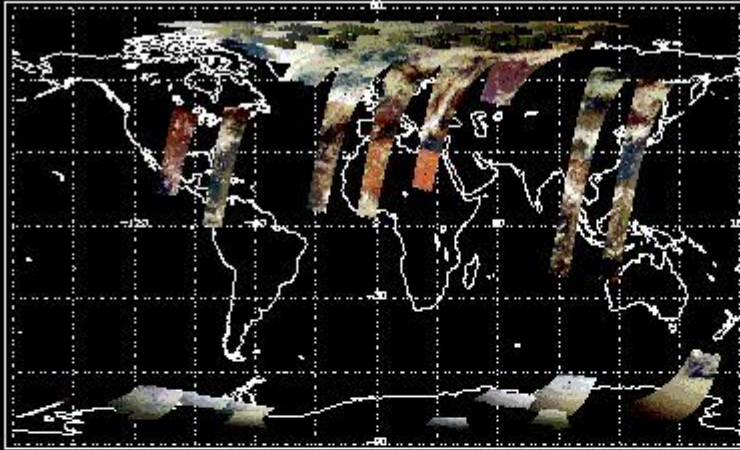
Page : 20

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	18:50:00.930	--	75203	Y	--	15031

(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)
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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)
--	--	--	--	--	--

(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)
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(2)

5.3 - Power Cycle

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

5.4 - Wrong Command Execution

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility (Y/NS/NE)
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(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
01:00 05-Sep	--	75164	--

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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