

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	09-SEP-2009
Start Time of First Product	00:42:25
Stop Time of Last Product	22:53:02
Number of EGOI Products analysed	35
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_090909BEEP0657.E2	09-SEP-2009	02:53:05.112
EGOI_090909BEEP0663.E2	09-SEP-2009	04:33:29.724
EGOI_090909GSEP8435.E2	09-SEP-2009	02:26:27.452
EGOI_090909GSEP8458.E2	09-SEP-2009	04:07:02.564
EGOI_090909GSEP8464.E2	09-SEP-2009	05:49:27.189
EGOI_090909KSEP0731.E2	09-SEP-2009	07:47:27.903
EGOI_090909KSEP0758.E2	09-SEP-2009	09:27:30.010
EGOI_090909KSEP0793.E2	09-SEP-2009	11:07:06.620
EGOI_090909KSEP0805.E2	09-SEP-2009	12:46:22.219

EGOI_090909KSEP0813.E2	09-SEP-2009	14:25:15.322
EGOI_090909KSEP0823.E2	09-SEP-2009	16:03:00.912
EGOI_090909KSEP0831.E2	09-SEP-2009	17:40:57.006
EGOI_090909KSEP0842.E2	09-SEP-2009	19:18:48.598
EGOI_090909KSEP0851.E2	09-SEP-2009	20:58:47.705
EGOI_090909KSEP0861.E2	09-SEP-2009	22:41:12.324
EGOI_090909MAEP3666.E2	09-SEP-2009	09:35:01.561
EGOI_090909MAEP3681.E2	09-SEP-2009	11:14:54.663
EGOI_090909MAEP3687.E2	09-SEP-2009	19:16:27.586
EGOI_090909MIEP8831.E2	09-SEP-2009	02:23:40.937
EGOI_090909MIEP8850.E2	09-SEP-2009	04:02:14.536
EGOI_090909MIEP8857.E2	09-SEP-2009	14:43:51.435
EGOI_090909MMEP8012.E2	09-SEP-2009	01:46:37.710
EGOI_090909MMEP8019.E2	09-SEP-2009	05:11:52.458
EGOI_090909MMEP8029.E2	09-SEP-2009	08:34:46.192
EGOI_090909MMEP8038.E2	09-SEP-2009	11:55:41.413
EGOI_090909MMEP8045.E2	09-SEP-2009	15:14:39.619
EGOI_090909MMEP8053.E2	09-SEP-2009	20:12:53.426
EGOI_090909MMEP8059.E2	09-SEP-2009	21:53:15.033
EGOI_090909MSEP6700.E2	09-SEP-2009	00:42:25.323
EGOI_090909MSEP6716.E2	09-SEP-2009	11:20:14.195
EGOI_090909MSEP6724.E2	09-SEP-2009	13:00:26.805
EGOI_090909MSEP6732.E2	09-SEP-2009	22:29:19.758
EGOI_090909SGEP9575.E2	09-SEP-2009	03:10:44.222
EGOI_090909SGEP9582.E2	09-SEP-2009	04:46:35.802
EGOI_090909SGEP9589.E2	09-SEP-2009	14:02:18.184

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	75225	09-SEP-2009	07:45:19.976	07:47:27.902	127.92600
KS	75226	09-SEP-2009	09:24:55.279	09:27:30.009	154.73000
KS	75227	09-SEP-2009	11:04:30.406	11:07:06.619	156.21300
KS	75228	09-SEP-2009	12:43:47.536	12:46:22.218	154.68200
KS	75229	09-SEP-2009	14:22:36.517	14:25:15.322	158.80500
KS	75230	09-SEP-2009	16:00:23.186	16:03:00.912	157.72600
KS	75231	09-SEP-2009	17:38:18.196	17:40:57.006	158.81000
KS	75232	09-SEP-2009	19:16:39.543	19:18:48.597	129.05400
KS	75233	09-SEP-2009	20:56:45.544	20:58:47.705	122.16100
KS	75234	09-SEP-2009	22:39:04.971	22:41:12.323	127.35200
GS	75223	09-SEP-2009	04:04:57.217	04:07:02.564	125.34700
MS	75221	09-SEP-2009	00:40:14.139	00:42:25.323	131.18400

MS	75227	09-SEP-2009	11:17:31.028	11:20:14.195	163.16700
MS	75228	09-SEP-2009	12:57:51.167	13:00:26.804	155.63700
MS	75234	09-SEP-2009	22:27:13.253	22:29:19.757	126.50400
MA	75226	09-SEP-2009	09:33:01.273	09:35:01.561	120.28800
MA	75227	09-SEP-2009	11:13:43.565	11:14:54.663	71.098000
MA	75232	09-SEP-2009	19:13:16.669	19:16:27.586	190.91700
MI	75222	09-SEP-2009	02:21:12.584	02:23:40.937	148.35300
MI	75223	09-SEP-2009	03:59:05.032	04:02:14.535	189.50300
MI	75229	09-SEP-2009	14:41:30.801	14:43:51.435	140.63400
MM	75221	09-SEP-2009	01:45:14.553	01:46:37.709	83.156000
MM	75225	09-SEP-2009	08:33:24.818	08:34:46.192	81.374000
MM	75227	09-SEP-2009	11:53:43.827	11:55:41.412	117.58500
MM	75229	09-SEP-2009	15:13:05.486	15:14:39.618	94.132000
MM	75232	09-SEP-2009	20:10:47.282	20:12:53.425	126.14300
MM	75233	09-SEP-2009	21:50:36.020	21:53:15.033	159.01300
BE	75222	09-SEP-2009	02:50:22.146	02:53:05.112	162.96600
BE	75223	09-SEP-2009	04:30:39.495	04:33:29.724	170.22900
SG	75222	09-SEP-2009	03:01:37.768	03:10:44.222	546.45400
SG	75223	09-SEP-2009	04:42:31.561	04:46:35.802	244.24100
SG	75223	09-SEP-2009	04:48:47.816	04:52:19.317	211.50100
SG	75228	09-SEP-2009	14:00:35.360	14:02:18.184	102.82400

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	75220	08-SEP-2009	23:52:19.124	00:06:48.353	869.22900
MM	75220	09-SEP-2009	00:03:09.002	00:14:35.453	686.45100
HO	75221	09-SEP-2009	01:33:31.003	01:45:08.439	697.43600
GS	75221	09-SEP-2009	00:48:42.892	00:57:26.789	523.89700
MM	75222	09-SEP-2009	03:28:11.578	03:35:25.399	433.82100
CM	75222	09-SEP-2009	03:57:48.328	04:10:11.651	743.32300
MM	75224	09-SEP-2009	06:52:44.020	06:59:37.080	413.06000
KS	75224	09-SEP-2009	06:06:28.813	06:12:13.968	345.15500
CM	75224	09-SEP-2009	05:42:08.653	05:44:49.523	160.87000
JO	75224	09-SEP-2009	06:34:33.507	06:43:24.013	530.50600
MA	75225	09-SEP-2009	07:55:59.129	08:01:45.734	346.60500

JO	75225	09-SEP-2009	08:10:00.070	08:25:00.925	900.85500
MM	75226	09-SEP-2009	10:13:41.430	10:24:53.617	672.18700
JO	75226	09-SEP-2009	09:52:27.583	10:01:56.747	569.16400
HO	75227	09-SEP-2009	12:03:02.249	12:16:30.723	808.47400
HO	75228	09-SEP-2009	13:42:05.674	13:56:32.608	866.93400
MM	75228	09-SEP-2009	13:33:32.456	13:46:15.788	763.33200
BE	75229	09-SEP-2009	14:06:58.850	14:20:23.828	804.97800
HO	75229	09-SEP-2009	15:23:29.992	15:30:49.087	439.09500
GS	75229	09-SEP-2009	14:34:26.849	14:45:24.783	657.93400
SG	75229	09-SEP-2009	15:36:10.102	15:49:59.331	829.22900
BE	75230	09-SEP-2009	15:49:31.144	15:57:56.861	505.71700
MM	75230	09-SEP-2009	16:52:22.543	17:04:54.422	751.87900
MI	75230	09-SEP-2009	16:19:01.547	16:32:11.407	789.86000
GS	75230	09-SEP-2009	16:13:07.080	16:26:58.433	831.35300
CM	75230	09-SEP-2009	16:21:46.009	16:34:10.544	744.53500
MM	75231	09-SEP-2009	18:31:30.639	18:44:05.744	755.10500
GS	75231	09-SEP-2009	17:53:35.724	18:03:24.138	588.41400
CM	75231	09-SEP-2009	18:04:52.835	18:08:28.100	215.26500
JO	75232	09-SEP-2009	20:30:06.069	20:45:01.156	895.08700
HO	75233	09-SEP-2009	21:46:15.818	21:54:40.214	504.39600
MA	75233	09-SEP-2009	20:48:34.174	21:02:17.066	822.89200
JO	75233	09-SEP-2009	22:10:39.806	22:22:04.565	684.75900
HO	75234	09-SEP-2009	23:21:18.967	23:35:29.597	850.63000
MM	75234	09-SEP-2009	23:31:17.287	23:43:08.217	710.93000
MA	75234	09-SEP-2009	22:32:49.835	22:39:50.149	420.31400

[[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

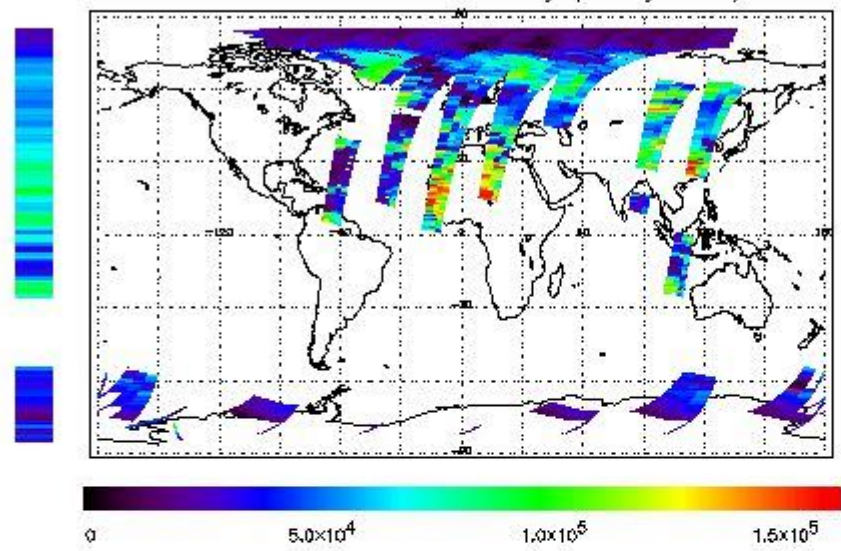
(1)

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

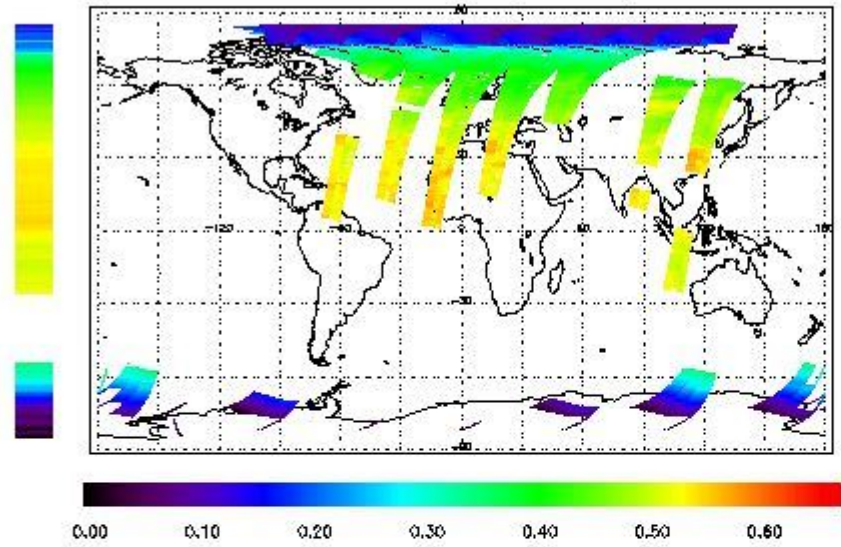
First Product : 09-SEP-2009 00:42:25.323 : ORBIT : 75221.0357

Last Product : 09-SEP-2009 22:53:01.898 : ORBIT : 75234.2626

Total Products Processed : 18338 Day : 252

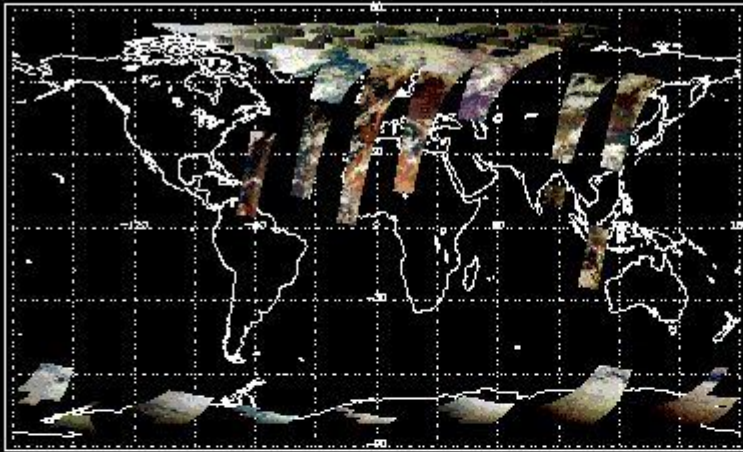
Page : 20

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	17:47:00.040	--	75231	Y	--	15048

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

(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
01:00 05-Sep	--	75164	--

[[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