

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	06-OCT-2009
Start Time of First Product	23:51:49 (05-Oct-2009)
Stop Time of Last Product	23:44:12
Number of EGOI Products analysed	32
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_091006BEEP0838.E2	06-OCT-2009	02:05:24.581
EGOI_091006BEEP0845.E2	06-OCT-2009	03:44:28.183
EGOI_091006GSEP0092.E2	06-OCT-2009	01:39:18.425
EGOI_091006GSEP0119.E2	06-OCT-2009	03:17:35.519
EGOI_091006GSEP0127.E2	06-OCT-2009	05:00:31.656
EGOI_091006KSEP7645.E2	06-OCT-2009	06:59:06.875
EGOI_091006KSEP7662.E2	06-OCT-2009	08:39:05.982
EGOI_091006KSEP7686.E2	06-OCT-2009	10:18:45.592
EGOI_091006KSEP7710.E2	06-OCT-2009	11:58:17.703

EGOI_091006KSEP7729.E2	06-OCT-2009	13:37:13.806
EGOI_091006KSEP7757.E2	06-OCT-2009	15:15:53.408
EGOI_091006KSEP7785.E2	06-OCT-2009	16:53:21.004
EGOI_091006KSEP7819.E2	06-OCT-2009	18:31:14.107
EGOI_091006KSEP7855.E2	06-OCT-2009	20:10:02.706
EGOI_091006KSEP7886.E2	06-OCT-2009	21:51:07.829
EGOI_091006KSEP7910.E2	06-OCT-2009	23:36:09.967
EGOI_091006MAEP4583.E2	06-OCT-2009	08:47:19.533
EGOI_091006MAEP4595.E2	06-OCT-2009	10:26:15.639
EGOI_091006MIEP0692.E2	06-OCT-2009	01:40:43.933
EGOI_091006MIEP0715.E2	06-OCT-2009	03:13:08.495
EGOI_091006MIEP0738.E2	06-OCT-2009	04:54:48.116
EGOI_091006MMEP9141.E2	06-OCT-2009	02:39:23.288
EGOI_091006MMEP9151.E2	06-OCT-2009	11:06:48.887
EGOI_091006MSEP9555.E2	05-OCT-2009	23:51:49.263
EGOI_091006MSEP9578.E2	06-OCT-2009	10:33:03.684
EGOI_091006MSEP9607.E2	06-OCT-2009	12:11:19.281
EGOI_091006MSEP9634.E2	06-OCT-2009	21:43:19.778
EGOI_091006MSEP9666.E2	06-OCT-2009	23:20:06.869
EGOI_091006SGEP0176.E2	06-OCT-2009	02:17:35.151
EGOI_091006SGEP0183.E2	06-OCT-2009	03:54:52.245
EGOI_091006SGEP0191.E2	06-OCT-2009	14:53:08.271
EGOI_091006SGEP0199.E2	06-OCT-2009	16:31:17.875

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	75611	06-OCT-2009	06:57:06.400	06:59:06.875	120.47500
KS	75612	06-OCT-2009	08:36:31.719	08:39:05.981	154.26200
KS	75613	06-OCT-2009	10:16:09.375	10:18:45.592	156.21700
KS	75614	06-OCT-2009	11:55:37.482	11:58:17.702	160.22000
KS	75615	06-OCT-2009	13:34:37.911	13:37:13.806	155.89500
KS	75616	06-OCT-2009	15:12:59.914	15:15:53.408	173.49400
KS	75617	06-OCT-2009	16:50:36.956	16:53:21.004	164.04800
KS	75618	06-OCT-2009	18:28:38.847	18:31:14.106	155.25900
KS	75619	06-OCT-2009	20:07:54.183	20:10:02.705	128.52200
KS	75620	06-OCT-2009	21:49:03.397	21:51:07.828	124.43100
KS	75621	06-OCT-2009	23:32:55.203	23:36:09.966	194.76300
GS	75608	06-OCT-2009	01:37:20.529	01:39:18.424	117.89500
GS	75609	06-OCT-2009	03:15:33.457	03:17:35.519	122.06200
MS	75607	05-OCT-2009	23:49:28.186	23:51:49.262	141.07600

MS	75613	06-OCT-2009	10:30:22.545	10:33:03.684	161.13900
MS	75614	06-OCT-2009	12:08:38.371	12:11:19.281	160.91000
MS	75621	06-OCT-2009	23:17:46.112	23:20:06.869	140.75700
MA	75612	06-OCT-2009	08:45:29.591	08:47:19.533	109.94200
MA	75613	06-OCT-2009	10:24:11.881	10:26:15.639	123.75800
MI	75609	06-OCT-2009	03:10:41.159	03:13:08.494	147.33500
MI	75610	06-OCT-2009	04:52:27.528	04:54:48.115	140.58700
MM	75608	06-OCT-2009	02:38:07.093	02:39:23.288	76.195000
MM	75613	06-OCT-2009	11:05:10.028	11:06:48.886	98.858000
BE	75608	06-OCT-2009	02:02:35.519	02:05:24.580	169.06100
BE	75609	06-OCT-2009	03:41:38.071	03:44:28.182	170.11100
SG	75608	06-OCT-2009	02:15:24.255	02:17:35.151	130.89600
SG	75609	06-OCT-2009	03:52:35.741	03:54:52.245	136.50400
SG	75615	06-OCT-2009	14:48:28.301	14:53:08.270	279.96900
SG	75615	06-OCT-2009	14:58:38.301	15:01:24.463	166.16200
SG	75616	06-OCT-2009	16:28:26.543	16:31:17.875	171.33200
SG	75616	06-OCT-2009	16:38:08.913	16:39:39.011	90.098000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	75607	06-OCT-2009	00:43:42.225	00:57:48.117	845.89200
MM	75607	06-OCT-2009	00:55:31.354	01:06:06.558	635.20400
KS	75607	06-OCT-2009	00:06:32.955	00:11:21.466	288.51100
MM	75609	06-OCT-2009	04:21:12.490	04:27:26.171	373.68100
CM	75609	06-OCT-2009	03:10:49.351	03:21:07.357	618.00600
CM	75609	06-OCT-2009	04:49:32.420	05:00:37.132	664.71200
MM	75610	06-OCT-2009	06:03:31.975	06:09:34.945	362.97000
MM	75611	06-OCT-2009	07:44:35.106	07:52:39.253	484.14700
JO	75611	06-OCT-2009	07:22:38.810	07:36:18.342	819.53200
MM	75612	06-OCT-2009	09:25:01.104	09:35:21.340	620.23600
JO	75612	06-OCT-2009	09:01:39.753	09:15:38.794	839.04100
MM	75614	06-OCT-2009	12:45:05.517	12:57:42.522	757.00500
HO	75615	06-OCT-2009	14:33:55.631	14:45:36.025	700.39400
MM	75615	06-OCT-2009	14:24:46.362	14:37:29.484	763.12200
BE	75616	06-OCT-2009	14:58:46.462	15:11:09.040	742.57800

MM	75616	06-OCT-2009	16:04:10.921	16:16:45.558	754.63700
MI	75616	06-OCT-2009	15:30:54.863	15:43:52.259	777.39600
GS	75616	06-OCT-2009	15:24:54.198	15:38:30.880	816.68200
CM	75616	06-OCT-2009	15:34:29.264	15:44:53.768	624.50400
MM	75617	06-OCT-2009	17:43:21.821	17:55:53.884	752.06300
MI	75617	06-OCT-2009	17:11:08.523	17:21:33.746	625.22300
GS	75617	06-OCT-2009	17:04:33.904	17:17:09.633	755.72900
CM	75617	06-OCT-2009	17:13:23.630	17:24:21.540	657.91000
MM	75618	06-OCT-2009	19:22:31.517	19:35:11.378	759.86100
JO	75618	06-OCT-2009	19:42:42.851	19:55:36.290	773.43900
MM	75619	06-OCT-2009	21:02:01.751	21:14:44.877	763.12600
MA	75619	06-OCT-2009	20:00:52.234	20:14:14.277	802.04300
JO	75619	06-OCT-2009	21:21:19.262	21:35:45.001	865.73900
HO	75620	06-OCT-2009	22:34:19.078	22:46:50.968	751.89000
MM	75620	06-OCT-2009	22:42:15.395	22:54:34.120	738.72500

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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	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

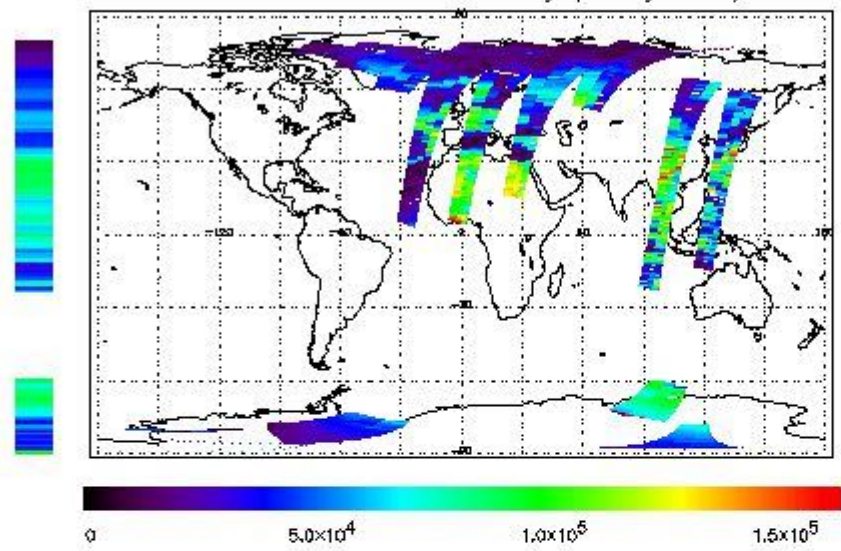
(1)

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

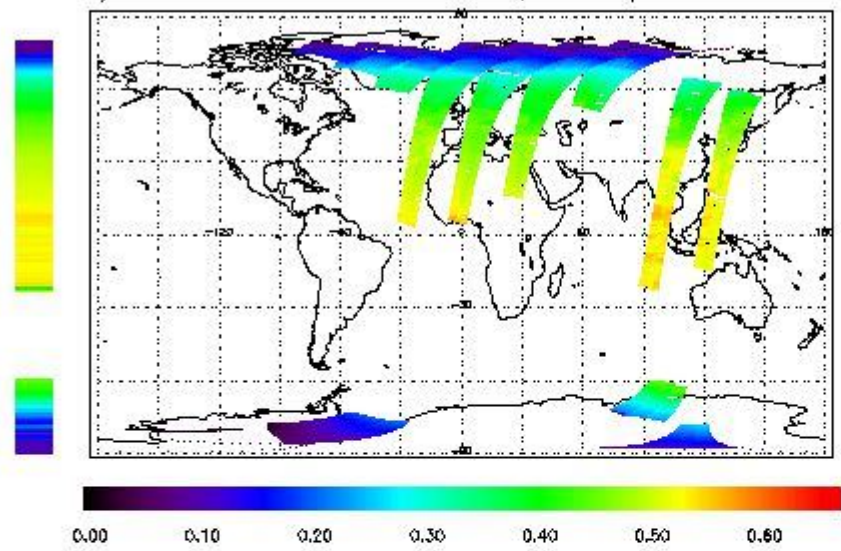
First Product : 05-OCT-2009 23:51:49.263 : ORBIT : 75607.0184

Last Product : 06-OCT-2009 23:44:11.517 : ORBIT : 75821.2569

Total Products Processed : 14983 Day : 279

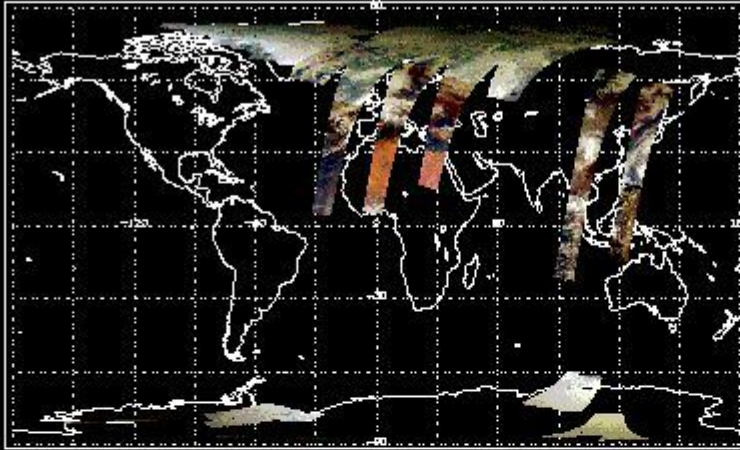
Page : 20

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	13:40:07.820	--	75615	Y	--	15277

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

(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)

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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
--	--	--	--

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