

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	25-AUG-2009
Start Time of First Product	00:12:21
Stop Time of Last Product	23:53:40
Number of EGOI Products analysed	36
Number of corrupted products	1
Anomalies and/or Special Operations	Narrow Swath mode continued from previous day as planned, end orbit 75017

1.2 - List of received products

Name	Date	Time
EGOI_090825BEEP0517.E2	25-AUG-2009	02:28:54.426
EGOI_090825GSEP7329.E2	25-AUG-2009	01:58:57.251
EGOI_090825GSEP7359.E2	25-AUG-2009	03:37:41.344
EGOI_090825GSEP7367.E2	25-AUG-2009	05:20:31.465
EGOI_090825HLEP3395.E2	25-AUG-2009	01:08:47.941
EGOI_090825HLEP3402.E2	25-AUG-2009	11:40:20.263
EGOI_090825HLEP3412.E2	25-AUG-2009	14:59:21.467
EGOI_090825HLEP3420.E2	25-AUG-2009	22:58:31.867
EGOI_090825KSEP6751.E2	25-AUG-2009	07:18:56.179

EGOI_090825KSEP6769.E2	25-AUG-2009	08:59:01.285
EGOI_090825KSEP6799.E2	25-AUG-2009	10:38:40.891
EGOI_090825KSEP6832.E2	25-AUG-2009	12:18:03.990
EGOI_090825KSEP6863.E2	25-AUG-2009	13:57:01.592
EGOI_090825KSEP6891.E2	25-AUG-2009	15:35:17.187
EGOI_090825KSEP6913.E2	25-AUG-2009	17:12:50.778
EGOI_090825KSEP6947.E2	25-AUG-2009	18:50:49.868
EGOI_090825KSEP6982.E2	25-AUG-2009	20:30:05.471
EGOI_090825KSEP7013.E2	25-AUG-2009	22:11:39.089
EGOI_090825MAEP3106.E2	25-AUG-2009	09:06:52.336
EGOI_090825MAEP3118.E2	25-AUG-2009	10:46:10.934
EGOI_090825MIEP7566.E2	25-AUG-2009	01:57:28.742
EGOI_090825MIEP7591.E2	25-AUG-2009	03:34:36.825
EGOI_090825MIEP7610.E2	25-AUG-2009	05:16:50.942
EGOI_090825MIEP7622.E2	25-AUG-2009	14:18:54.221
EGOI_090825MIEP7631.E2	25-AUG-2009	15:53:03.795
EGOI_090825MMEP7629.E2	25-AUG-2009	01:17:26.995
EGOI_090825MMEP7638.E2	25-AUG-2009	06:24:45.352
EGOI_090825MSEP4954.E2	25-AUG-2009	00:12:20.601
EGOI_090825MSEP4974.E2	25-AUG-2009	10:52:16.969
EGOI_090825MSEP5002.E2	25-AUG-2009	12:31:28.072
EGOI_090825MSEP5032.E2	25-AUG-2009	22:02:12.035
EGOI_090825MSEP5062.E2	25-AUG-2009	23:40:12.622
EGOI_090825SGEP9162.E2	25-AUG-2009	02:36:43.860
EGOI_090825SGEP9168.E2	25-AUG-2009	04:15:03.954
EGOI_090825SGEP9177.E2	25-AUG-2009	15:10:27.418
EGOI_090825SGEP9184.E2	25-AUG-2009	16:52:20.532

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	75010	25-AUG-2009	07:16:56.442	07:18:56.179	119.73700
KS	75011	25-AUG-2009	08:56:27.189	08:59:01.284	154.09500
KS	75012	25-AUG-2009	10:36:04.296	10:38:40.891	156.59500
KS	75013	25-AUG-2009	12:15:28.422	12:18:03.989	155.56700
KS	75014	25-AUG-2009	13:54:22.758	13:57:01.591	158.83300
KS	75015	25-AUG-2009	15:32:27.909	15:35:17.186	169.27700
KS	75016	25-AUG-2009	17:10:11.822	17:12:50.777	158.95500
KS	75017	25-AUG-2009	18:48:22.591	18:50:49.867	147.27600
KS	75018	25-AUG-2009	20:27:57.731	20:30:05.470	127.73900
KS	75019	25-AUG-2009	22:09:34.437	22:11:39.089	124.65200
KS	75020	25-AUG-2009	23:54:12.978	23:55:53.219	100.24100

GS	75007	25-AUG-2009	01:56:38.005	01:58:57.251	139.24600
GS	75008	25-AUG-2009	03:35:44.443	03:37:41.344	116.90100
MS	75006	25-AUG-2009	00:10:01.879	00:12:20.600	138.72100
MS	75012	25-AUG-2009	10:49:36.087	10:52:16.968	160.88100
MS	75013	25-AUG-2009	12:28:44.392	12:31:28.072	163.68000
MS	75019	25-AUG-2009	21:59:54.645	22:02:12.035	137.39000
MS	75020	25-AUG-2009	23:37:51.889	23:40:12.622	140.73300
MA	75011	25-AUG-2009	09:05:33.912	09:06:52.335	78.423000
MA	75012	25-AUG-2009	10:44:09.311	10:46:10.934	121.62300
MI	75007	25-AUG-2009	01:54:59.947	01:57:28.742	148.79500
MI	75008	25-AUG-2009	03:30:25.778	03:34:36.824	251.04600
MI	75009	25-AUG-2009	05:14:50.826	05:16:50.942	120.11600
MI	75015	25-AUG-2009	15:50:36.073	15:53:03.794	147.72100
MM	75006	25-AUG-2009	01:15:57.998	01:17:26.995	88.997000
BE	75007	25-AUG-2009	02:22:10.148	02:28:54.426	404.27800
SG	75007	25-AUG-2009	02:34:07.147	02:36:43.859	156.71200
SG	75008	25-AUG-2009	04:12:53.023	04:15:03.953	130.93000
SG	75014	25-AUG-2009	15:07:55.118	15:10:27.418	152.30000
SG	75015	25-AUG-2009	16:49:34.407	16:52:20.532	166.12500

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	75007	25-AUG-2009	02:58:43.654	03:06:37.637	473.98300
CM	75007	25-AUG-2009	03:29:55.330	03:41:30.922	695.59200
BE	75008	25-AUG-2009	04:01:44.170	04:13:48.623	724.45300
MM	75008	25-AUG-2009	04:41:46.740	04:47:44.891	358.15100
CM	75008	25-AUG-2009	05:10:20.859	05:19:38.424	557.56500
MM	75010	25-AUG-2009	08:04:42.248	08:13:15.329	513.08100
JO	75010	25-AUG-2009	07:41:58.240	07:56:28.008	869.76800
MM	75011	25-AUG-2009	09:45:04.007	09:55:47.064	643.05700
JO	75011	25-AUG-2009	09:22:15.033	09:34:58.979	763.94600
MM	75012	25-AUG-2009	11:25:10.208	11:37:16.450	726.24200
HO	75013	25-AUG-2009	13:13:35.144	13:28:24.494	889.35000
MM	75013	25-AUG-2009	13:05:02.918	13:17:43.471	760.55300
MM	75014	25-AUG-2009	14:44:40.602	14:57:22.411	761.80900

GS	75014	25-AUG-2009	14:06:59.370	14:15:41.859	522.48900
BE	75015	25-AUG-2009	15:19:22.551	15:30:37.711	675.16000
MM	75015	25-AUG-2009	16:24:01.953	16:36:35.155	753.20200
GS	75015	25-AUG-2009	15:44:42.444	15:58:35.863	833.41900
CM	75015	25-AUG-2009	15:53:44.695	16:05:26.344	701.64900
MM	75016	25-AUG-2009	18:03:11.264	18:15:44.297	753.03300
MI	75016	25-AUG-2009	17:31:58.108	17:39:59.874	481.76600
GS	75016	25-AUG-2009	17:24:41.279	17:36:21.227	699.94800
CM	75016	25-AUG-2009	17:33:59.121	17:43:12.460	553.33900
MM	75017	25-AUG-2009	19:42:23.147	19:55:04.734	761.58700
MA	75017	25-AUG-2009	18:47:33.289	18:51:43.395	250.10600
JO	75017	25-AUG-2009	20:02:04.650	20:16:09.472	844.82200
MM	75018	25-AUG-2009	21:22:00.358	21:34:41.536	761.17800
MA	75018	25-AUG-2009	20:20:22.742	20:34:10.036	827.29400
JO	75018	25-AUG-2009	21:41:29.918	21:55:02.787	812.86900
MM	75019	25-AUG-2009	23:02:24.952	23:14:33.665	728.71300
MA	75019	25-AUG-2009	22:01:51.331	22:12:40.135	648.80400

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1.5 - List of corrupted products

Station	Orbit	Time
HL	75019	23:00:58.882

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

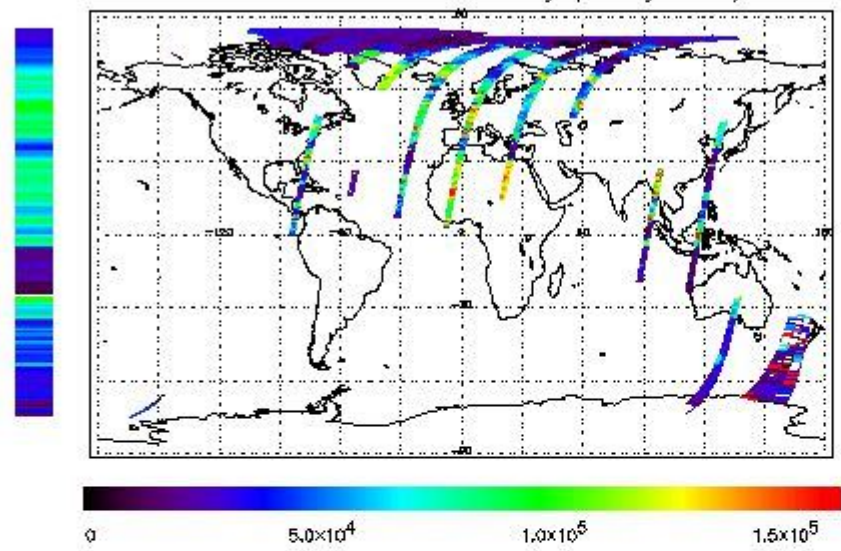
(1)

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

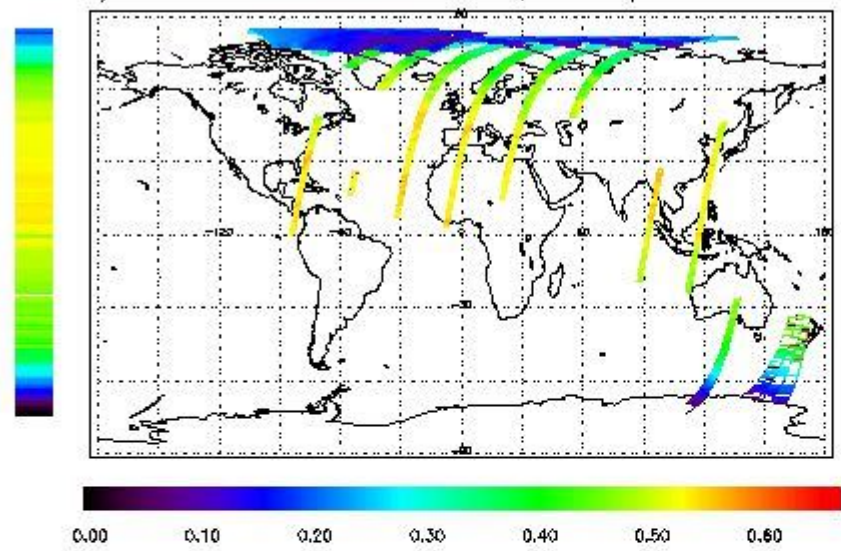
First Product : 25-AUG-2008 00:12:20.601 : ORBIT : 75006.0224

Last Product : 25-AUG-2008 23:53:39.704 : ORBIT : 75020.1510

Total Products Processed : 18658 Day : 237

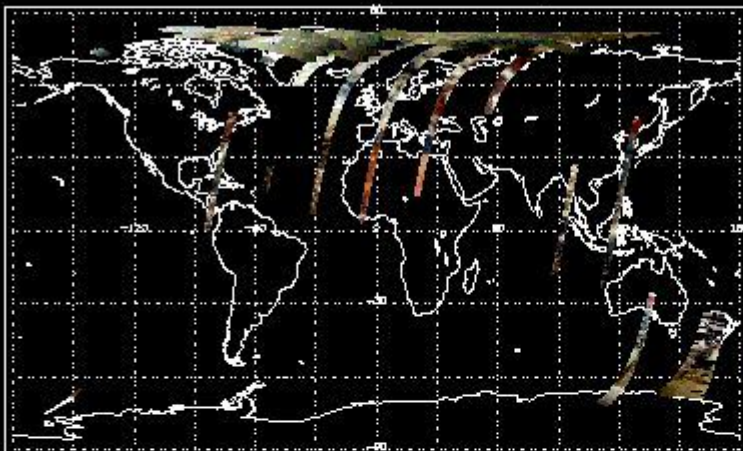
Page : 20

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	18:57:12.400	--	75017	Y	--	14937

(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)
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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)
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(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
21:00	18:30	75004	75017

5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	End Orbit
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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