

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	10-AUG-2009
Start Time of First Product	23:43:06 (09-AUG-2009)
Stop Time of Last Product	23:35:40
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_090810BEEP0389.E2	10-AUG-2009	01:56:59.074
EGOI_090810BEEP0396.E2	10-AUG-2009	03:35:43.179
EGOI_090810GSEP6356.E2	10-AUG-2009	01:31:22.909
EGOI_090810GSEP6383.E2	10-AUG-2009	03:08:59.515
EGOI_090810GSEP6393.E2	10-AUG-2009	04:52:04.648
EGOI_090810HLEP2902.E2	10-AUG-2009	00:39:34.588
EGOI_090810HLEP2911.E2	10-AUG-2009	11:13:02.494
EGOI_090810HLEP2918.E2	10-AUG-2009	12:50:13.588
EGOI_090810KSEP2764.E2	09-AUG-2009	23:59:08.842

EGOI_090810KSEP2780.E2	10-AUG-2009	06:50:33.881
EGOI_090810KSEP2800.E2	10-AUG-2009	08:30:31.496
EGOI_090810KSEP2824.E2	10-AUG-2009	10:10:11.106
EGOI_090810KSEP2850.E2	10-AUG-2009	11:49:46.217
EGOI_090810KSEP2870.E2	10-AUG-2009	13:28:43.823
EGOI_090810KSEP2899.E2	10-AUG-2009	15:07:26.424
EGOI_090810KSEP2920.E2	10-AUG-2009	16:44:55.526
EGOI_090810KSEP2952.E2	10-AUG-2009	18:22:51.621
EGOI_090810KSEP2982.E2	10-AUG-2009	20:01:32.724
EGOI_090810KSEP3014.E2	10-AUG-2009	21:42:31.838
EGOI_090810KSEP3042.E2	10-AUG-2009	23:25:45.964
EGOI_090810MAEP2571.E2	10-AUG-2009	08:39:04.547
EGOI_090810MAEP2585.E2	10-AUG-2009	10:17:35.149
EGOI_090810MAEP2605.E2	10-AUG-2009	19:56:07.192
EGOI_090810MIEP6201.E2	10-AUG-2009	03:04:45.992
EGOI_090810MIEP6225.E2	10-AUG-2009	04:45:42.109
EGOI_090810MIEP6237.E2	10-AUG-2009	15:25:04.034
EGOI_090810MIEP6258.E2	10-AUG-2009	17:04:54.143
EGOI_090810MMEP7022.E2	10-AUG-2009	00:48:18.143
EGOI_090810MMEP7028.E2	10-AUG-2009	02:30:35.277
EGOI_090810MMEP7035.E2	10-AUG-2009	04:13:17.909
EGOI_090810MMEP7042.E2	10-AUG-2009	05:55:51.542
EGOI_090810MMEP7049.E2	10-AUG-2009	07:37:07.167
EGOI_090810MMEP7056.E2	10-AUG-2009	09:17:54.286
EGOI_090810MSEP3274.E2	09-AUG-2009	23:43:05.741
EGOI_090810MSEP3297.E2	10-AUG-2009	10:24:50.196
EGOI_090810MSEP3326.E2	10-AUG-2009	12:02:41.795
EGOI_090810MSEP3339.E2	10-AUG-2009	13:45:22.928
EGOI_090810MSEP3363.E2	10-AUG-2009	21:35:10.795
EGOI_090810MSEP3395.E2	10-AUG-2009	23:11:36.882
EGOI_090810SGEP9022.E2	10-AUG-2009	02:09:39.647
EGOI_090810SGEP9030.E2	10-AUG-2009	03:46:13.240
EGOI_090810SGEP9039.E2	10-AUG-2009	14:44:32.287

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	74791	09-AUG-2009	23:57:17.098	23:59:08.842	111.74400
KS	74795	10-AUG-2009	06:48:37.304	06:50:33.880	116.57600
KS	74796	10-AUG-2009	08:27:59.477	08:30:31.495	152.01800
KS	74797	10-AUG-2009	10:07:37.141	10:10:11.106	153.96500
KS	74798	10-AUG-2009	11:47:06.732	11:49:46.217	159.48500
KS	74799	10-AUG-2009	13:26:10.315	13:28:43.823	153.50800

KS	74800	10-AUG-2009	15:04:40.377	15:07:26.423	166.04600
KS	74801	10-AUG-2009	16:42:16.752	16:44:55.526	158.77400
KS	74802	10-AUG-2009	18:20:12.467	18:22:51.620	159.15300
KS	74803	10-AUG-2009	19:59:19.786	20:01:32.724	132.93800
KS	74804	10-AUG-2009	21:40:17.746	21:42:31.838	134.09200
KS	74805	10-AUG-2009	23:23:52.104	23:25:45.963	113.85900
GS	74792	10-AUG-2009	01:29:07.976	01:31:22.909	134.93300
GS	74793	10-AUG-2009	03:06:58.008	03:08:59.515	121.50700
MS	74797	10-AUG-2009	10:22:09.934	10:24:50.195	160.26100
MS	74798	10-AUG-2009	12:00:02.599	12:02:41.795	159.19600
MS	74805	10-AUG-2009	23:09:13.938	23:11:36.881	142.94300
MA	74796	10-AUG-2009	08:36:49.281	08:39:04.546	135.26500
MA	74797	10-AUG-2009	10:15:42.575	10:17:35.148	112.57300
MA	74803	10-AUG-2009	19:52:34.104	19:56:07.191	213.08700
MI	74793	10-AUG-2009	03:02:18.190	03:04:45.992	147.80200
MI	74794	10-AUG-2009	04:43:19.247	04:45:42.108	142.86100
MI	74800	10-AUG-2009	15:22:32.309	15:25:04.033	151.72400
MI	74801	10-AUG-2009	17:02:20.785	17:04:54.142	153.35700
MM	74791	10-AUG-2009	00:46:46.427	00:48:18.142	91.715000
MM	74792	10-AUG-2009	02:29:17.533	02:30:35.276	77.743000
MM	74794	10-AUG-2009	05:54:49.148	05:55:51.541	62.393000
MM	74795	10-AUG-2009	07:35:57.357	07:37:07.167	69.810000
MM	74796	10-AUG-2009	09:16:25.383	09:17:54.285	88.902000
BE	74792	10-AUG-2009	01:54:15.451	01:56:59.074	163.62300
BE	74793	10-AUG-2009	03:33:02.941	03:35:43.178	160.23700
SG	74792	10-AUG-2009	02:07:37.319	02:09:39.647	122.32800
SG	74793	10-AUG-2009	03:43:59.165	03:46:13.239	134.07400
SG	74799	10-AUG-2009	14:40:14.106	14:44:32.286	258.18000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
CM	74793	10-AUG-2009	03:02:46.602	03:12:16.325	569.72300
CM	74793	10-AUG-2009	04:40:45.969	04:52:20.369	694.40000
JO	74795	10-AUG-2009	07:14:27.024	07:27:36.794	789.77000
JO	74796	10-AUG-2009	08:52:56.149	09:07:17.218	861.06900

MM	74797	10-AUG-2009	10:56:35.502	11:08:23.337	707.83500
MM	74798	10-AUG-2009	12:36:32.164	12:49:07.194	755.03000
HO	74799	10-AUG-2009	14:25:15.845	14:37:34.583	738.73800
MM	74799	10-AUG-2009	14:16:14.342	14:28:57.860	763.51800
BE	74800	10-AUG-2009	14:50:02.058	15:02:44.922	762.86400
MM	74800	10-AUG-2009	15:55:40.302	16:08:15.653	755.35100
GS	74800	10-AUG-2009	15:16:26.449	15:29:50.876	804.42700
SG	74800	10-AUG-2009	16:19:34.253	16:31:32.445	718.19200
CM	74800	10-AUG-2009	15:26:21.969	15:35:56.683	574.71400
MM	74801	10-AUG-2009	17:34:52.041	17:47:23.836	751.79500
GS	74801	10-AUG-2009	16:55:57.759	17:08:52.618	774.85900
CM	74801	10-AUG-2009	17:04:40.588	17:16:08.683	688.09500
MM	74802	10-AUG-2009	19:14:01.082	19:26:40.143	759.06100
JO	74802	10-AUG-2009	19:34:30.295	19:46:40.983	730.68800
MM	74803	10-AUG-2009	20:53:28.611	21:06:12.216	763.60500
JO	74803	10-AUG-2009	21:12:43.221	21:27:24.101	880.88000
HO	74804	10-AUG-2009	22:26:09.189	22:38:14.779	725.59000
MM	74804	10-AUG-2009	22:33:37.765	22:46:00.196	742.43100
MA	74804	10-AUG-2009	21:31:52.262	21:44:50.582	778.32000

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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	OK

Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperatures 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

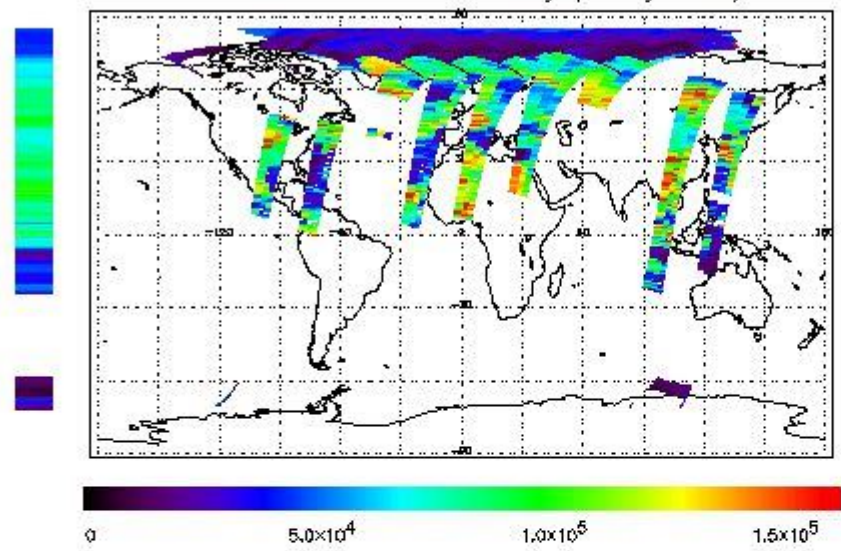
(1)

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

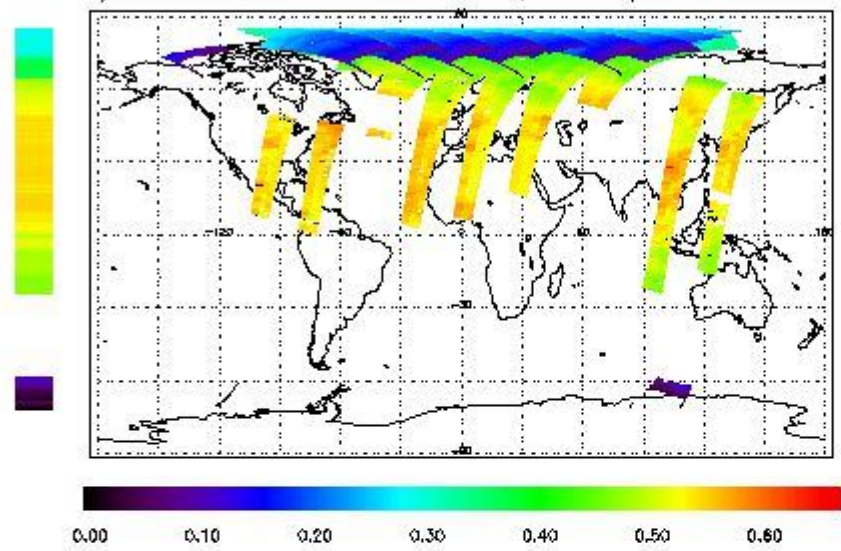
First Product : 09-AUG-2008 23:43:05.741 : ORBIT : 74791.0174

Last Product : 10-AUG-2008 23:35:40.026 : ORBIT : 74805.2579

Total Products Processed : 19268 Day : 222

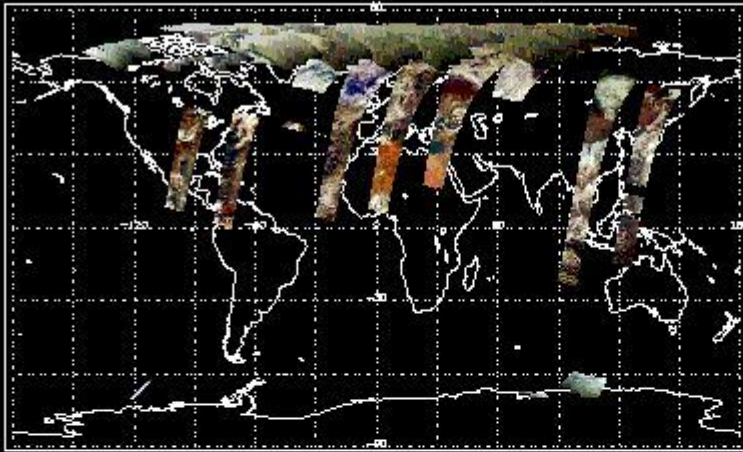
Page : 20

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	16:46:24.020	--	74801	Y	--	14865

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

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

(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
--	--	--	--

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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