

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	06-AUG-2009
Start Time of First Product	00:09:20
Stop Time of Last Product	23:50:49
Number of EGOI Products analysed	38
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_090806BEEP0363.E2	06-AUG-2009	02:22:05.286
EGOI_090806BEEP0368.E2	06-AUG-2009	04:01:28.392
EGOI_090806GSEP6075.E2	06-AUG-2009	01:55:47.130
EGOI_090806GSEP6105.E2	06-AUG-2009	03:34:43.227
EGOI_090806GSEP6113.E2	06-AUG-2009	05:17:49.849
EGOI_090806HLEP2775.E2	06-AUG-2009	01:05:43.821
EGOI_090806HLEP2782.E2	06-AUG-2009	13:16:49.766
EGOI_090806HLEP2789.E2	06-AUG-2009	14:56:17.368
EGOI_090806HLEP2796.E2	06-AUG-2009	22:55:36.782

EGOI_090806KSEP1770.E2	06-AUG-2009	07:16:10.071
EGOI_090806KSEP1789.E2	06-AUG-2009	08:56:09.177
EGOI_090806KSEP1814.E2	06-AUG-2009	10:35:48.778
EGOI_090806KSEP1840.E2	06-AUG-2009	12:15:13.390
EGOI_090806KSEP1867.E2	06-AUG-2009	13:54:10.993
EGOI_090806KSEP1891.E2	06-AUG-2009	15:32:29.587
EGOI_090806KSEP1905.E2	06-AUG-2009	17:10:00.182
EGOI_090806KSEP1933.E2	06-AUG-2009	18:48:00.777
EGOI_090806KSEP1963.E2	06-AUG-2009	20:27:10.379
EGOI_090806KSEP1990.E2	06-AUG-2009	22:08:51.497
EGOI_090806MIEP5854.E2	06-AUG-2009	01:54:44.126
EGOI_090806MIEP5878.E2	06-AUG-2009	03:31:56.708
EGOI_090806MIEP5898.E2	06-AUG-2009	05:13:33.325
EGOI_090806MIEP5906.E2	06-AUG-2009	15:50:13.197
EGOI_090806MMEP6818.E2	06-AUG-2009	02:56:56.497
EGOI_090806MMEP6825.E2	06-AUG-2009	04:39:39.118
EGOI_090806MMEP6832.E2	06-AUG-2009	06:21:48.739
EGOI_090806MMEP6839.E2	06-AUG-2009	08:03:05.852
EGOI_090806MMEP6846.E2	06-AUG-2009	13:03:45.176
EGOI_090806MMEP6852.E2	06-AUG-2009	16:23:04.397
EGOI_090806MMEP6861.E2	06-AUG-2009	23:01:15.817
EGOI_090806MSEP2862.E2	06-AUG-2009	00:09:20.985
EGOI_090806MSEP2891.E2	06-AUG-2009	12:28:34.473
EGOI_090806MSEP2909.E2	06-AUG-2009	10:49:29.371
EGOI_090806MSEP2936.E2	06-AUG-2009	21:59:16.938
EGOI_090806MSEP2965.E2	06-AUG-2009	23:37:19.034
EGOI_090806SGEP8968.E2	06-AUG-2009	04:12:22.458
EGOI_090806SGEP8975.E2	06-AUG-2009	15:07:33.941
EGOI_090806SGEP8983.E2	06-AUG-2009	16:49:10.550

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	74738	06-AUG-2009	07:14:06.286	07:16:10.071	123.78500
KS	74739	06-AUG-2009	08:53:36.392	08:56:09.177	152.78500
KS	74740	06-AUG-2009	10:33:13.621	10:35:48.778	155.15700
KS	74741	06-AUG-2009	12:12:38.361	12:15:13.389	155.02800
KS	74742	06-AUG-2009	13:51:32.987	13:54:10.993	158.00600
KS	74743	06-AUG-2009	15:29:40.271	15:32:29.587	169.31600
KS	74744	06-AUG-2009	17:07:22.240	17:10:00.181	157.94100
KS	74745	06-AUG-2009	18:45:33.287	18:48:00.776	147.48900
KS	74746	06-AUG-2009	20:25:05.506	20:27:10.378	124.87200

KS	74747	06-AUG-2009	22:06:38.173	22:08:51.496	133.32300
KS	74748	06-AUG-2009	23:51:09.328	23:52:44.631	95.303000
GS	74735	06-AUG-2009	01:53:51.975	01:55:47.130	115.15500
GS	74736	06-AUG-2009	03:32:50.702	03:34:43.227	112.52500
MS	74734	06-AUG-2009	00:07:04.285	00:09:20.985	136.70000
MS	74741	06-AUG-2009	12:25:52.583	12:28:34.473	161.89000
MS	74740	06-AUG-2009	10:46:51.040	10:49:29.370	158.33000
MS	74747	06-AUG-2009	21:57:13.105	21:59:16.937	123.83200
MS	74748	06-AUG-2009	23:34:58.677	23:37:19.034	140.35700
MI	74735	06-AUG-2009	01:52:29.209	01:54:44.126	134.91700
MI	74736	06-AUG-2009	03:27:35.614	03:31:56.708	261.09400
MI	74737	06-AUG-2009	05:11:27.397	05:13:33.324	125.92700
MI	74743	06-AUG-2009	15:47:46.654	15:50:13.196	146.54200
MM	74735	06-AUG-2009	02:55:46.937	02:56:56.496	69.559000
MM	74738	06-AUG-2009	08:01:49.874	08:03:05.851	75.977000
MM	74741	06-AUG-2009	13:02:11.897	13:03:45.176	93.279000
MM	74743	06-AUG-2009	16:21:11.838	16:23:04.397	112.55900
MM	74747	06-AUG-2009	22:59:32.006	23:01:15.816	103.81000
BE	74735	06-AUG-2009	02:19:21.775	02:22:05.286	163.51100
BE	74736	06-AUG-2009	03:58:51.491	04:01:28.391	156.90000
SG	74736	06-AUG-2009	04:09:58.001	04:12:22.457	144.45600
SG	74742	06-AUG-2009	15:05:07.368	15:07:33.940	146.57200
SG	74743	06-AUG-2009	16:46:30.208	16:49:10.549	160.34100

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	74734	06-AUG-2009	01:13:02.610	01:23:17.798	615.18800
KS	74734	06-AUG-2009	00:25:42.625	00:27:23.581	100.95600
SG	74735	06-AUG-2009	02:31:24.672	02:43:00.804	696.13200
CM	74736	06-AUG-2009	03:27:10.195	03:38:37.224	687.02900
CM	74736	06-AUG-2009	05:07:20.384	05:16:57.324	576.94000
JO	74738	06-AUG-2009	07:39:11.656	07:53:35.767	864.11100
MM	74739	06-AUG-2009	09:42:12.201	09:52:52.117	639.91600
MA	74739	06-AUG-2009	09:02:46.155	09:15:14.524	748.36900
JO	74739	06-AUG-2009	09:19:17.252	09:32:14.262	777.01000

MM	74740	06-AUG-2009	11:22:18.786	11:34:23.375	724.58900
MA	74740	06-AUG-2009	10:41:16.588	10:52:54.643	698.05500
MM	74742	06-AUG-2009	14:41:50.037	14:54:32.061	762.02400
GS	74742	06-AUG-2009	14:04:17.487	14:12:37.032	499.54500
SG	74742	06-AUG-2009	15:05:07.368	15:18:43.645	816.27700
BE	74743	06-AUG-2009	15:16:24.767	15:27:51.533	686.76600
GS	74743	06-AUG-2009	15:41:52.420	15:55:44.409	831.98900
CM	74743	06-AUG-2009	15:50:58.360	16:02:31.731	693.37100
MM	74744	06-AUG-2009	18:00:21.342	18:12:54.209	752.86700
MI	74744	06-AUG-2009	17:28:57.437	17:37:24.491	507.05400
GS	74744	06-AUG-2009	17:21:48.511	17:33:37.438	708.92700
CM	74744	06-AUG-2009	17:31:01.011	17:40:32.875	571.86400
MM	74745	06-AUG-2009	19:39:32.857	19:52:14.214	761.35700
MA	74745	06-AUG-2009	18:44:46.006	18:48:51.799	245.79300
JO	74745	06-AUG-2009	19:59:17.785	20:13:14.487	836.70200
MM	74746	06-AUG-2009	21:19:09.014	21:31:50.547	761.53300
MA	74746	06-AUG-2009	20:17:34.838	20:31:22.265	827.42700
JO	74746	06-AUG-2009	21:38:36.359	21:52:18.393	822.03400
MA	74747	06-AUG-2009	21:58:48.609	22:09:54.419	665.81000

[[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	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

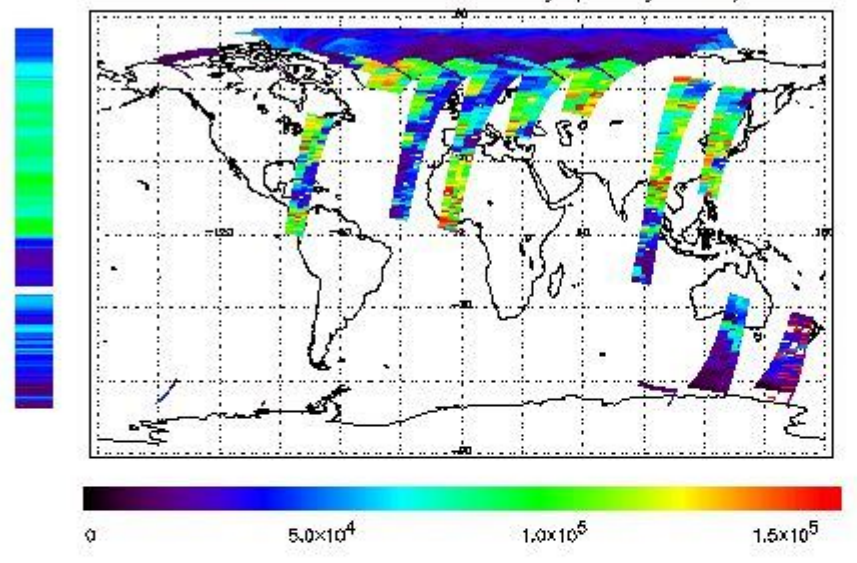
(1)

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

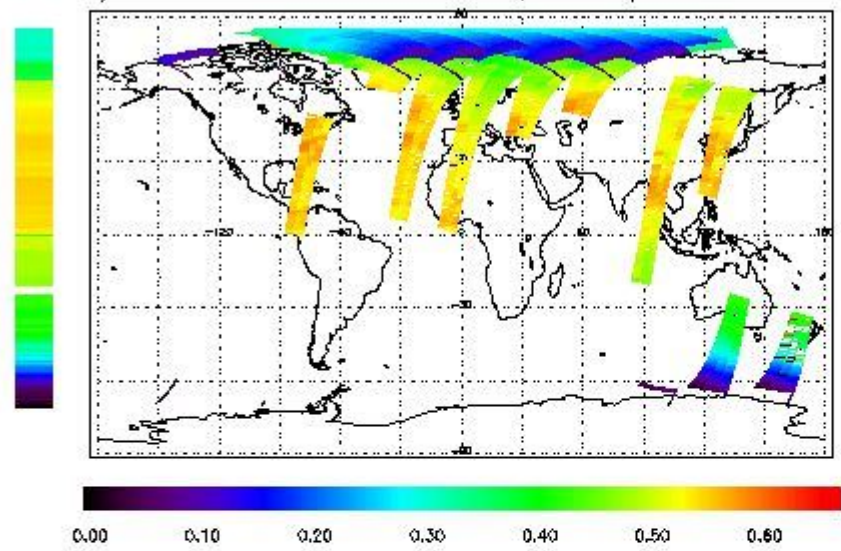
First Product : 06-AUG-2008 00:09:20.985 : ORBIT : 74734.0212

Last Product : 06-AUG-2008 23:50:49.119 : ORBIT : 74748.1513

Total Products Processed : 17878 Day : 218

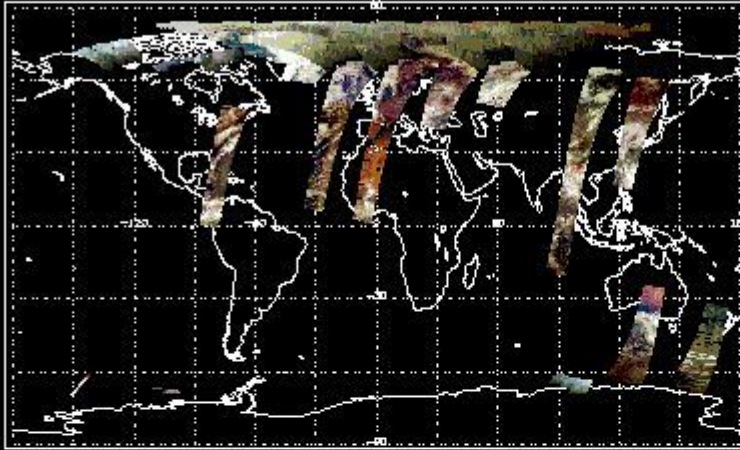
Page : 20

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	18:52:26	--	74745	Y	--	14735

(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)

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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
--	--	--	--

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