

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	27-AUG-2009
Start Time of First Product	00:05:23
Stop Time of Last Product	23:46:23
Number of EGOI Products analysed	38
Number of corrupted products	2
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_090827BEEP0531.E2	27-AUG-2009	03:01:52.566
EGOI_090827BEEP0537.E2	27-AUG-2009	04:42:05.171
EGOI_090827GSEP7479.E2	27-AUG-2009	00:58:24.823
EGOI_090827GSEP7511.E2	27-AUG-2009	02:35:08.906
EGOI_090827GSEP7541.E2	27-AUG-2009	04:15:51.519
EGOI_090827GSEP7548.E2	27-AUG-2009	05:58:11.632
EGOI_090827HLEP3461.E2	27-AUG-2009	00:05:22.999
EGOI_090827HLEP3468.E2	27-AUG-2009	01:47:29.616
EGOI_090827HLEP3477.E2	27-AUG-2009	12:16:33.426

EGOI_090827HLEP3486.E2	27-AUG-2009	15:37:54.151
EGOI_090827HLEP3494.E2	27-AUG-2009	22:02:08.475
EGOI_090827HLEP3502.E2	27-AUG-2009	23:41:25.582
EGOI_090827KSEP7295.E2	27-AUG-2009	06:16:32.741
EGOI_090827KSEP7325.E2	27-AUG-2009	07:56:27.350
EGOI_090827KSEP7352.E2	27-AUG-2009	09:36:02.456
EGOI_090827KSEP7387.E2	27-AUG-2009	11:15:37.559
EGOI_090827KSEP7413.E2	27-AUG-2009	12:54:51.661
EGOI_090827KSEP7437.E2	27-AUG-2009	14:33:41.756
EGOI_090827KSEP7452.E2	27-AUG-2009	16:11:22.855
EGOI_090827KSEP7482.E2	27-AUG-2009	17:49:21.945
EGOI_090827KSEP7509.E2	27-AUG-2009	19:27:21.036
EGOI_090827KSEP7537.E2	27-AUG-2009	21:07:47.147
EGOI_090827KSEP7566.E2	27-AUG-2009	22:50:04.265
EGOI_090827MAEP3169.E2	27-AUG-2009	09:43:27.995
EGOI_090827MAEP3184.E2	27-AUG-2009	19:23:37.516
EGOI_090827MAEP3202.E2	27-AUG-2009	21:00:15.604
EGOI_090827MIEP7757.E2	27-AUG-2009	02:31:49.386
EGOI_090827MIEP7780.E2	27-AUG-2009	04:10:58.988
EGOI_090827MIEP7804.E2	27-AUG-2009	14:51:56.869
EGOI_090827MIEP7833.E2	27-AUG-2009	16:30:12.464
EGOI_090827MSEP5204.E2	27-AUG-2009	00:51:17.277
EGOI_090827MSEP5226.E2	27-AUG-2009	11:28:43.633
EGOI_090827MSEP5250.E2	27-AUG-2009	13:09:21.743
EGOI_090827MSEP5281.E2	27-AUG-2009	22:38:19.195
EGOI_090827SGEP9222.E2	27-AUG-2009	03:12:31.628
EGOI_090827SGEP9231.E2	27-AUG-2009	04:53:42.741
EGOI_090827SGEP9239.E2	27-AUG-2009	14:10:08.616
EGOI_090827SGEP9247.E2	27-AUG-2009	15:47:28.706

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	75038	27-AUG-2009	06:14:50.896	06:16:32.740	101.84400
KS	75039	27-AUG-2009	07:53:51.570	07:56:27.350	155.78000
KS	75040	27-AUG-2009	09:33:27.709	09:36:02.456	154.74700
KS	75041	27-AUG-2009	11:13:01.976	11:15:37.558	155.58200
KS	75042	27-AUG-2009	12:52:16.694	12:54:51.661	154.96700
KS	75043	27-AUG-2009	14:31:02.845	14:33:41.756	158.91100
KS	75044	27-AUG-2009	16:08:45.498	16:11:22.854	157.35600
KS	75045	27-AUG-2009	17:46:40.724	17:49:21.944	161.22000
KS	75046	27-AUG-2009	19:25:10.101	19:27:21.036	130.93500

KS	75047	27-AUG-2009	21:05:25.942	21:07:47.147	141.20500
KS	75048	27-AUG-2009	22:47:59.131	22:50:04.265	125.13400
GS	75035	27-AUG-2009	00:56:42.042	00:58:24.822	102.78000
GS	75036	27-AUG-2009	02:32:55.906	02:35:08.906	133.00000
GS	75037	27-AUG-2009	04:13:49.293	04:15:51.519	122.22600
MS	75035	27-AUG-2009	00:49:39.385	00:51:17.276	97.891000
MS	75041	27-AUG-2009	11:25:59.018	11:28:43.632	164.61400
MS	75042	27-AUG-2009	13:06:41.917	13:09:21.742	159.82500
MS	75048	27-AUG-2009	22:35:31.864	22:38:19.194	167.33000
MA	75040	27-AUG-2009	09:41:31.401	09:43:27.994	116.59300
MA	75046	27-AUG-2009	19:21:42.938	19:23:37.516	114.57800
MA	75047	27-AUG-2009	20:57:07.788	21:00:15.603	187.81500
MI	75036	27-AUG-2009	02:29:18.076	02:31:49.385	151.30900
MI	75037	27-AUG-2009	04:07:47.544	04:10:58.987	191.44300
MI	75043	27-AUG-2009	14:49:33.391	14:51:56.868	143.47700
MI	75044	27-AUG-2009	16:27:37.156	16:30:12.463	155.30700
BE	75036	27-AUG-2009	02:58:52.288	03:01:52.566	180.27800
BE	75037	27-AUG-2009	04:39:23.981	04:42:05.170	161.18900
SG	75036	27-AUG-2009	03:10:00.412	03:12:31.628	151.21600
SG	75037	27-AUG-2009	04:51:40.429	04:53:42.740	122.31100
SG	75042	27-AUG-2009	14:08:11.226	14:10:08.616	117.39000
SG	75042	27-AUG-2009	14:13:38.634	14:16:52.182	193.54800
SG	75043	27-AUG-2009	15:44:44.651	15:47:28.706	164.05500
SG	75043	27-AUG-2009	15:48:33.208	15:58:24.451	591.24300

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	75034	27-AUG-2009	00:11:51.515	00:23:10.382	678.86700
MM	75035	27-AUG-2009	01:54:02.422	02:03:26.001	563.57900
MM	75036	27-AUG-2009	03:37:02.056	03:44:04.446	422.39000
CM	75036	27-AUG-2009	02:32:56.753	02:34:43.222	106.46900
MM	75037	27-AUG-2009	05:19:51.232	05:25:37.608	346.37600
CM	75037	27-AUG-2009	05:46:53.232	05:59:18.475	745.24300
MM	75038	27-AUG-2009	07:01:23.392	07:08:27.520	424.12800
JO	75038	27-AUG-2009	06:42:20.448	06:52:23.394	602.94600

MM	75039	27-AUG-2009	08:42:01.217	08:51:26.597	565.38000
MA	75039	27-AUG-2009	08:03:53.043	08:13:12.131	559.08800
JO	75039	27-AUG-2009	08:18:30.100	08:33:31.504	901.40400
MM	75040	27-AUG-2009	10:22:16.437	10:33:36.535	680.09800
JO	75040	27-AUG-2009	10:01:51.195	10:09:44.163	472.96800
MM	75041	27-AUG-2009	12:02:17.699	12:14:41.807	744.10800
MA	75041	27-AUG-2009	11:22:31.643	11:30:54.685	503.04200
HO	75042	27-AUG-2009	13:50:40.342	14:04:56.817	856.47500
MM	75042	27-AUG-2009	13:42:05.070	13:54:48.779	763.70900
BE	75043	27-AUG-2009	14:15:30.737	14:28:54.372	803.63500
MM	75043	27-AUG-2009	15:21:36.685	15:34:15.209	758.52400
GS	75043	27-AUG-2009	14:42:47.500	14:53:37.856	650.35600
BE	75044	27-AUG-2009	15:58:50.566	16:05:54.783	424.21700
MM	75044	27-AUG-2009	17:00:52.555	17:13:24.227	751.67200
GS	75044	27-AUG-2009	16:21:39.927	16:35:25.069	825.14200
CM	75044	27-AUG-2009	16:30:16.005	16:42:40.698	744.69300
MM	75045	27-AUG-2009	18:40:00.551	18:52:36.398	755.84700
GS	75045	27-AUG-2009	18:02:19.246	18:11:24.871	545.62500
JO	75045	27-AUG-2009	19:02:44.843	19:09:46.159	421.31600
MM	75046	27-AUG-2009	20:19:19.011	20:32:02.759	763.74800
JO	75046	27-AUG-2009	20:38:34.395	20:53:34.794	900.39900
MM	75047	27-AUG-2009	21:59:11.548	22:11:45.526	753.97800
JO	75047	27-AUG-2009	22:19:31.593	22:30:01.274	629.68100
MM	75048	27-AUG-2009	23:39:58.017	23:51:42.788	704.77100
MA	75048	27-AUG-2009	22:42:26.297	22:47:40.661	314.36400

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1.5 - List of corrupted products

Station	Orbit	Time
GS	75035	00:58:27.823
KS	75042	13:00:15.688

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

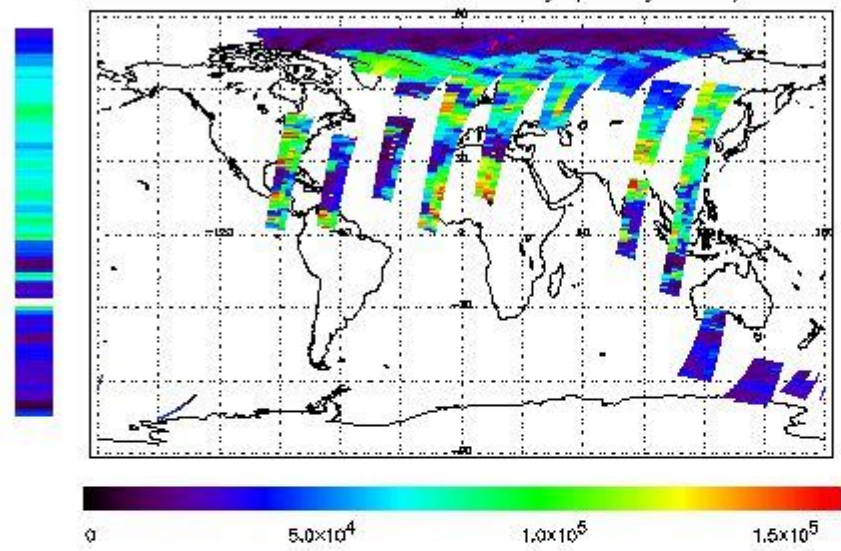
(1)

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

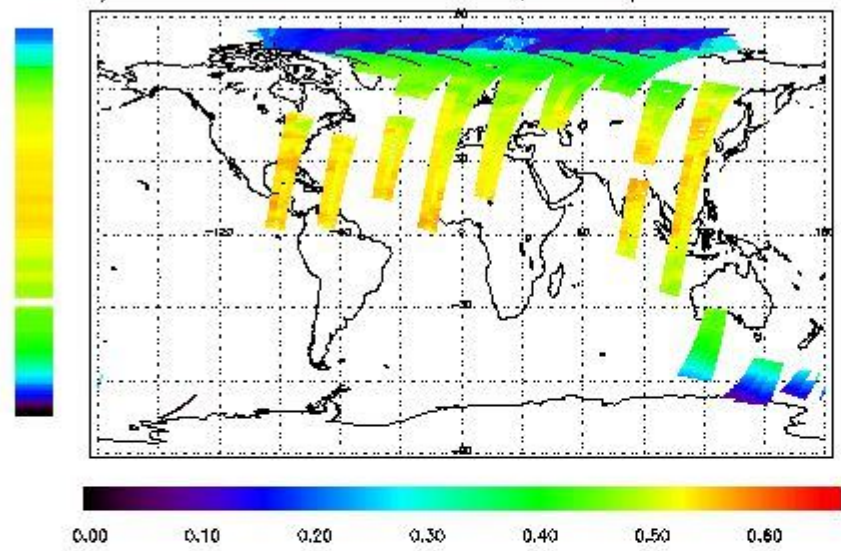
First Product : 27-AUG-2008 00:05:22.999 : ORBIT : 75034.5818

Last Product : 27-AUG-2008 23:46:22.605 : ORBIT : 75048.7072

Total Products Processed : 15918 Day : 239

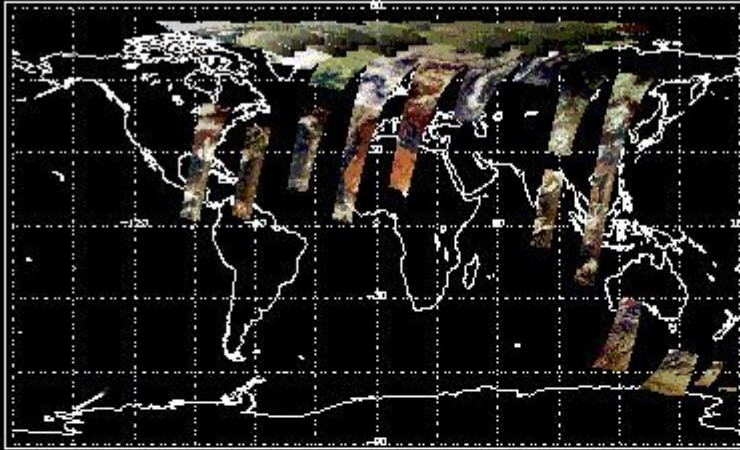
Page : 20

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	17:54:11.472	--	75045	Y	--	14961

(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)
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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)
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(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