

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	30-AUG-2009
Start Time of First Product	00:11:04
Stop Time of Last Product	23:52:04
Number of EGOI Products analysed	35
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_090830BEEP0569.E2	30-AUG-2009	03:07:14.291
EGOI_090830BEEP0575.E2	30-AUG-2009	04:47:55.397
EGOI_090830GSEP7688.E2	30-AUG-2009	01:04:15.045
EGOI_090830GSEP7720.E2	30-AUG-2009	02:40:47.131
EGOI_090830GSEP7749.E2	30-AUG-2009	04:21:46.244
EGOI_090830GSEP7756.E2	30-AUG-2009	06:04:13.862
EGOI_090830HLEP3582.E2	30-AUG-2009	00:11:04.219
EGOI_090830HLEP3590.E2	30-AUG-2009	12:22:08.654
EGOI_090830HLEP3598.E2	30-AUG-2009	14:01:36.256

EGOI_090830HLEP3607.E2	30-AUG-2009	15:44:08.383
EGOI_090830HLEP3615.E2	30-AUG-2009	22:04:34.691
EGOI_090830HLEP3622.E2	30-AUG-2009	23:40:00.761
EGOI_090830KSEP8076.E2	30-AUG-2009	06:22:10.967
EGOI_090830KSEP8099.E2	30-AUG-2009	08:02:08.576
EGOI_090830KSEP8125.E2	30-AUG-2009	09:41:43.679
EGOI_090830KSEP8160.E2	30-AUG-2009	11:21:18.786
EGOI_090830KSEP8186.E2	30-AUG-2009	13:00:29.888
EGOI_090830KSEP8200.E2	30-AUG-2009	14:39:19.986
EGOI_090830KSEP8223.E2	30-AUG-2009	16:16:59.578
EGOI_090830KSEP8256.E2	30-AUG-2009	17:55:03.177
EGOI_090830KSEP8292.E2	30-AUG-2009	19:32:59.271
EGOI_090830KSEP8326.E2	30-AUG-2009	21:13:19.378
EGOI_090830KSEP8355.E2	30-AUG-2009	22:55:52.999
EGOI_090830MAEP3275.E2	30-AUG-2009	08:11:43.139
EGOI_090830MAEP3288.E2	30-AUG-2009	09:49:13.726
EGOI_090830MAEP3310.E2	30-AUG-2009	21:05:56.835
EGOI_090830MIEP8056.E2	30-AUG-2009	02:37:21.612
EGOI_090830MIEP8085.E2	30-AUG-2009	04:16:02.709
EGOI_090830MIEP8111.E2	30-AUG-2009	14:57:20.092
EGOI_090830MIEP8137.E2	30-AUG-2009	16:38:01.207
EGOI_090830MSEP5544.E2	30-AUG-2009	00:59:00.014
EGOI_090830MSEP5556.E2	30-AUG-2009	09:57:48.276
EGOI_090830MSEP5578.E2	30-AUG-2009	11:34:23.364
EGOI_090830MSEP5602.E2	30-AUG-2009	13:15:10.474
EGOI_090830MSEP5634.E2	30-AUG-2009	22:43:19.925

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	75081	30-AUG-2009	06:20:27.008	06:22:10.966	103.95800
KS	75082	30-AUG-2009	07:59:32.734	08:02:08.576	155.84200
KS	75083	30-AUG-2009	09:39:09.319	09:41:43.679	154.36000
KS	75084	30-AUG-2009	11:18:42.945	11:21:18.785	155.84000
KS	75085	30-AUG-2009	12:57:55.974	13:00:29.887	153.91300
KS	75086	30-AUG-2009	14:36:40.224	14:39:19.986	159.76200
KS	75087	30-AUG-2009	16:14:20.589	16:16:59.577	158.98800
KS	75088	30-AUG-2009	17:52:14.116	17:55:03.177	169.06100
KS	75089	30-AUG-2009	19:30:50.872	19:32:59.271	128.39900
KS	75090	30-AUG-2009	21:11:13.425	21:13:19.378	125.95300
KS	75091	30-AUG-2009	22:53:56.075	22:55:52.999	116.92400
GS	75078	30-AUG-2009	01:02:03.326	01:04:15.045	131.71900

GS	75079	30-AUG-2009	02:38:34.127	02:40:47.130	133.00300
GS	75080	30-AUG-2009	04:19:45.927	04:21:46.244	120.31700
MS	75084	30-AUG-2009	11:31:39.586	11:34:23.364	163.77800
MS	75085	30-AUG-2009	13:12:35.922	13:15:10.474	154.55200
MS	75091	30-AUG-2009	22:41:05.867	22:43:19.925	134.05800
MA	75082	30-AUG-2009	08:09:14.886	08:11:43.138	148.25200
MA	75083	30-AUG-2009	09:47:12.106	09:49:13.726	121.62000
MA	75090	30-AUG-2009	21:03:00.739	21:05:56.834	176.09500
MI	75079	30-AUG-2009	02:34:44.138	02:37:21.612	157.47400
MI	75080	30-AUG-2009	04:13:37.845	04:16:02.708	144.86300
MI	75086	30-AUG-2009	14:54:58.634	14:57:20.091	141.45700
MI	75087	30-AUG-2009	16:33:21.958	16:38:01.207	279.24900
MM	75091	30-AUG-2009	23:45:45.440	23:47:36.808	111.36800
BE	75079	30-AUG-2009	03:04:32.962	03:07:14.290	161.32800
BE	75080	30-AUG-2009	04:45:15.028	04:47:55.396	160.36800

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	75077	30-AUG-2009	00:17:40.128	00:28:53.723	673.59500
HO	75078	30-AUG-2009	01:48:58.529	01:58:53.224	594.69500
MM	75078	30-AUG-2009	01:59:54.551	02:09:10.283	555.73200
MM	75079	30-AUG-2009	03:42:55.685	03:49:50.688	415.00300
SG	75079	30-AUG-2009	03:15:37.139	03:29:25.112	827.97300
CM	75079	30-AUG-2009	02:37:11.044	02:41:41.274	270.23000
CM	75079	30-AUG-2009	04:11:58.376	04:24:21.798	743.42200
MM	75080	30-AUG-2009	05:25:41.635	05:31:28.375	346.74000
SG	75080	30-AUG-2009	04:57:53.715	05:05:11.480	437.76500
MM	75081	30-AUG-2009	07:07:09.426	07:14:21.173	431.74700
JO	75081	30-AUG-2009	06:47:35.881	06:58:19.701	643.82000
MM	75082	30-AUG-2009	08:47:45.398	08:57:18.502	573.10400
JO	75082	30-AUG-2009	08:24:11.517	08:39:11.026	899.50900
MM	75083	30-AUG-2009	10:27:59.721	10:39:24.875	685.15400
JO	75083	30-AUG-2009	10:08:17.577	10:14:45.646	388.06900
MM	75084	30-AUG-2009	12:08:00.225	12:20:26.507	746.28200
MA	75084	30-AUG-2009	11:28:24.911	11:36:24.447	479.53600

MM	75085	30-AUG-2009	13:47:46.748	14:00:30.605	763.85700
SG	75085	30-AUG-2009	14:13:23.181	14:22:58.093	574.91200
BE	75086	30-AUG-2009	14:21:13.262	14:34:34.142	800.88000
MM	75086	30-AUG-2009	15:27:17.417	15:39:55.397	757.98000
GS	75086	30-AUG-2009	14:48:22.351	15:00:39.883	737.53200
SG	75086	30-AUG-2009	15:50:29.281	16:03:59.571	810.29000
CM	75086	30-AUG-2009	15:00:41.798	15:04:38.458	236.66000
BE	75087	30-AUG-2009	16:05:11.996	16:11:05.737	353.74100
MM	75087	30-AUG-2009	17:06:32.527	17:19:04.113	751.58600
GS	75087	30-AUG-2009	16:27:22.180	16:41:01.777	819.59700
CM	75087	30-AUG-2009	16:35:57.337	16:48:19.045	741.70800
MM	75088	30-AUG-2009	18:45:40.532	18:58:16.893	756.36100
GS	75088	30-AUG-2009	18:08:09.437	18:16:43.415	513.97800
JO	75088	30-AUG-2009	19:07:49.975	19:16:08.743	498.76800
MM	75089	30-AUG-2009	20:25:00.303	20:37:44.201	763.89800
MA	75089	30-AUG-2009	19:27:03.328	19:36:24.601	561.27300
JO	75089	30-AUG-2009	20:44:14.168	20:59:15.807	901.63900
MM	75090	30-AUG-2009	22:04:55.455	22:17:27.857	752.40200
JO	75090	30-AUG-2009	22:25:28.734	22:35:15.631	586.89700

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1.5 - List of corrupted products

Station	Orbit	Time
KS	75086	14:45:51.525

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

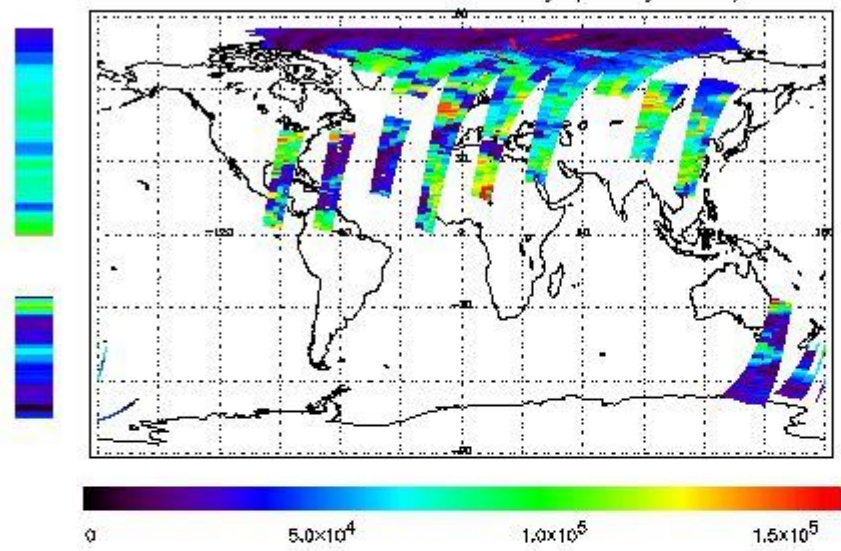
(1)

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

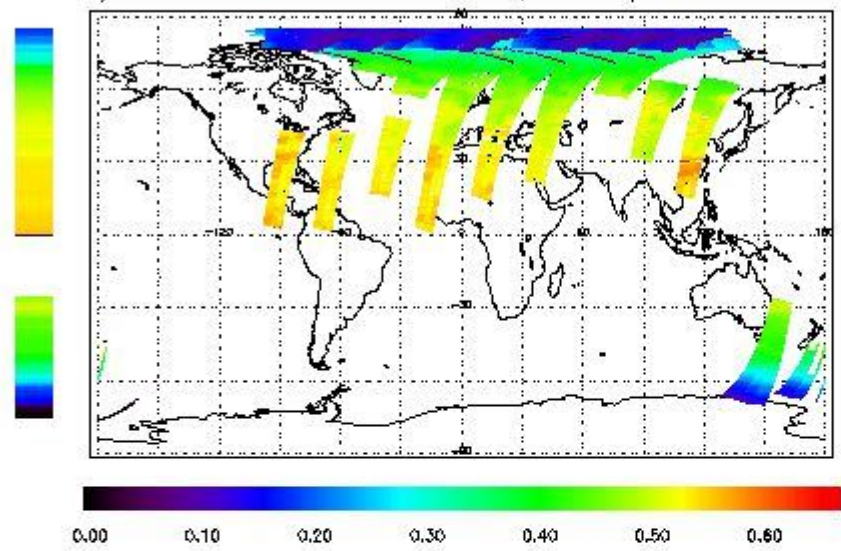
First Product : 30-AUG-2008 00:11:04.219 : ORBIT : 75077.5812

Last Product : 30-AUG-2008 23:52:03.836 : ORBIT : 75091.7066

Total Products Processed : 15848 Day : 242

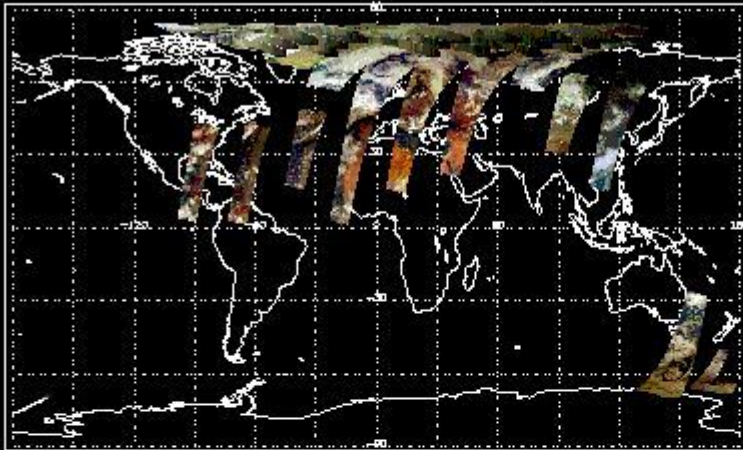
Page : 20

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	19:40:50.310	--	75089	Y	--	14930

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

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

(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