

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	01-AUG-2009
Start Time of First Product	01:14:56
Stop Time of Last Product	23:18:35
Number of EGOI Products analysed	26
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_090801BEEP0323.E2	01-AUG-2009	03:20:38.922
EGOI_090801BEEP0329.E2	01-AUG-2009	14:37:26.538
EGOI_090801GSEP5807.E2	01-AUG-2009	01:14:56.160
EGOI_090801GSEP5839.E2	01-AUG-2009	02:52:01.254
EGOI_090801GSEP5864.E2	01-AUG-2009	04:33:43.867
EGOI_090801GSEP5871.E2	01-AUG-2009	06:15:53.488
EGOI_090801KSEP0628.E2	01-AUG-2009	06:33:34.094
EGOI_090801KSEP0650.E2	01-AUG-2009	08:13:28.703
EGOI_090801KSEP0673.E2	01-AUG-2009	09:53:05.309

EGOI_090801KSEP0698.E2	01-AUG-2009	11:32:41.919
EGOI_090801KSEP0719.E2	01-AUG-2009	13:11:47.017
EGOI_090801KSEP0739.E2	01-AUG-2009	14:50:32.621
EGOI_090801KSEP0755.E2	01-AUG-2009	16:28:12.214
EGOI_090801KSEP0786.E2	01-AUG-2009	18:06:14.309
EGOI_090801KSEP0812.E2	01-AUG-2009	19:44:23.908
EGOI_090801KSEP0840.E2	01-AUG-2009	21:24:56.014
EGOI_090801KSEP0852.E2	01-AUG-2009	23:07:40.140
EGOI_090801MSEP2321.E2	01-AUG-2009	10:08:29.402
EGOI_090801MSEP2350.E2	01-AUG-2009	11:45:40.493
EGOI_090801MSEP2373.E2	01-AUG-2009	13:27:08.107
EGOI_090801MSEP2386.E2	01-AUG-2009	21:19:42.483
EGOI_090801MSEP2412.E2	01-AUG-2009	22:54:20.558
EGOI_090801SGEP8889.E2	01-AUG-2009	01:55:00.906
EGOI_090801SGEP8897.E2	01-AUG-2009	05:12:06.602
EGOI_090801SGEP8902.E2	01-AUG-2009	14:26:20.476
EGOI_090801SGEP8911.E2	01-AUG-2009	16:04:48.074

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	74666	01-AUG-2009	06:31:41.551	06:33:34.093	112.54200
KS	74667	01-AUG-2009	08:10:55.268	08:13:28.703	153.43500
KS	74668	01-AUG-2009	09:50:32.504	09:53:05.309	152.80500
KS	74669	01-AUG-2009	11:30:04.683	11:32:41.918	157.23500
KS	74670	01-AUG-2009	13:09:14.132	13:11:47.017	152.88500
KS	74671	01-AUG-2009	14:47:54.577	14:50:32.620	158.04300
KS	74672	01-AUG-2009	16:25:34.472	16:28:12.213	157.74100
KS	74673	01-AUG-2009	18:03:21.502	18:06:14.308	172.80600
KS	74674	01-AUG-2009	19:42:13.407	19:44:23.907	130.50000
KS	74675	01-AUG-2009	21:22:49.747	21:24:56.014	126.26700
KS	74676	01-AUG-2009	23:05:52.106	23:07:40.139	108.03300
GS	74663	01-AUG-2009	01:12:49.775	01:14:56.159	126.38400
GS	74664	01-AUG-2009	02:49:53.101	02:52:01.253	128.15200
GS	74665	01-AUG-2009	04:31:44.538	04:33:43.867	119.32900
MS	74668	01-AUG-2009	10:06:04.972	10:08:29.402	144.43000
MS	74669	01-AUG-2009	11:43:00.114	11:45:40.492	160.37800
MS	74670	01-AUG-2009	13:24:37.356	13:27:08.107	150.75100
MS	74676	01-AUG-2009	22:52:17.540	22:54:20.557	123.01700
BE	74664	01-AUG-2009	03:15:55.647	03:20:38.922	283.27500

BE	74671	01-AUG-2009	14:32:41.448	14:37:26.538	285.09000
BE	74671	01-AUG-2009	14:38:22.040	14:45:52.163	450.12300
SG	74670	01-AUG-2009	14:23:59.301	14:26:20.476	141.17500
SG	74671	01-AUG-2009	16:02:02.614	16:04:48.073	165.45900

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	74662	01-AUG-2009	00:17:43.767	00:32:21.927	878.16000
MM	74662	01-AUG-2009	00:29:18.004	00:40:20.540	662.53600
HO	74663	01-AUG-2009	02:01:23.661	02:09:30.571	486.91000
MM	74663	01-AUG-2009	02:11:39.297	02:20:39.063	539.76600
MM	74664	01-AUG-2009	03:54:42.806	04:01:23.728	400.92200
MI	74664	01-AUG-2009	02:45:41.313	02:58:02.990	741.67700
SG	74664	01-AUG-2009	03:26:54.319	03:40:47.489	833.17000
CM	74664	01-AUG-2009	02:47:04.415	02:54:14.444	430.02900
CM	74664	01-AUG-2009	04:23:24.815	04:35:36.945	732.13000
BE	74665	01-AUG-2009	04:57:01.577	05:04:59.167	477.59000
MM	74665	01-AUG-2009	05:37:21.539	05:43:10.767	349.22800
MI	74665	01-AUG-2009	04:25:23.749	04:36:54.473	690.72400
MM	74666	01-AUG-2009	07:18:41.020	07:26:08.466	447.44600
JO	74666	01-AUG-2009	06:58:14.378	07:10:06.651	712.27300
MM	74667	01-AUG-2009	08:59:13.569	09:09:01.772	588.20300
MA	74667	01-AUG-2009	08:20:07.085	08:31:15.592	668.50700
JO	74667	01-AUG-2009	08:35:37.771	08:50:27.893	890.12200
MM	74668	01-AUG-2009	10:39:26.162	10:51:00.909	694.74700
MA	74668	01-AUG-2009	09:58:34.949	10:11:39.778	784.82900
HO	74669	01-AUG-2009	12:28:22.884	12:42:52.449	869.56500
MM	74669	01-AUG-2009	12:19:25.141	12:31:55.337	750.19600
MA	74669	01-AUG-2009	11:40:00.577	11:46:53.140	412.56300
HO	74670	01-AUG-2009	14:07:57.006	14:21:12.621	795.61500
MM	74670	01-AUG-2009	13:59:09.944	14:11:53.868	763.92400
MM	74671	01-AUG-2009	15:38:38.724	15:51:15.623	756.89900
MI	74671	01-AUG-2009	15:05:55.411	15:17:36.805	701.39400
GS	74671	01-AUG-2009	14:59:34.223	15:12:23.780	769.55700
CM	74671	01-AUG-2009	15:10:31.854	15:17:36.436	424.58200

MM	74672	01-AUG-2009	17:17:52.392	17:30:23.934	751.54200
MI	74672	01-AUG-2009	16:44:54.304	16:57:08.579	734.27500
GS	74672	01-AUG-2009	16:38:47.540	16:52:12.672	805.13200
CM	74672	01-AUG-2009	16:47:23.222	16:59:31.458	728.23600
MM	74673	01-AUG-2009	18:57:00.607	19:09:38.036	757.42900
GS	74673	01-AUG-2009	18:19:53.671	18:27:14.798	441.12700
JO	74673	01-AUG-2009	19:18:19.645	19:28:33.283	613.63800
MM	74674	01-AUG-2009	20:36:23.245	20:49:07.248	764.00300
MA	74674	01-AUG-2009	19:36:04.544	19:48:01.385	716.84100
JO	74674	01-AUG-2009	20:55:35.770	21:10:34.489	898.71900
HO	74675	01-AUG-2009	22:09:58.010	22:20:56.318	658.30800
MM	74675	01-AUG-2009	22:16:23.816	22:28:52.656	748.84000
MA	74675	01-AUG-2009	21:14:32.646	21:27:47.778	795.13200
JO	74675	01-AUG-2009	22:37:32.162	22:45:33.096	480.93400
HO	74676	01-AUG-2009	23:46:41.146	00:01:06.907	865.76100
MM	74676	01-AUG-2009	23:57:20.931	00:08:52.221	691.29000

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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 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

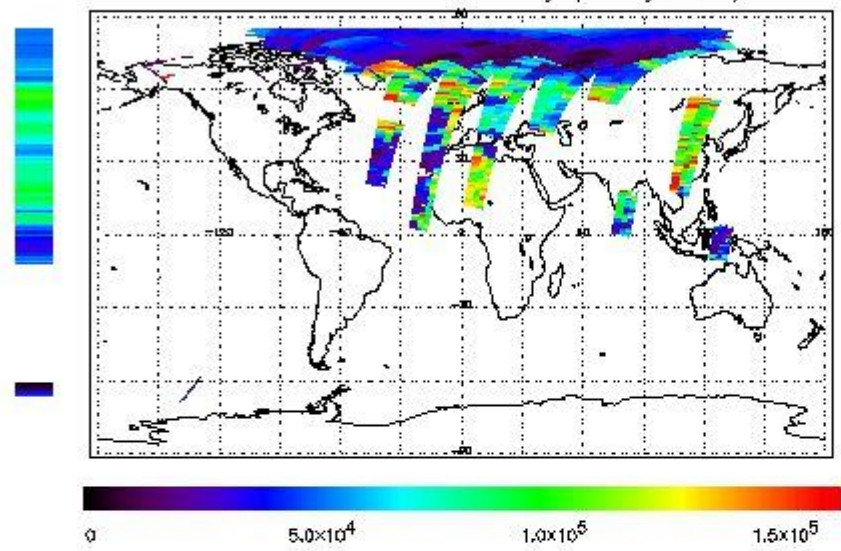
(1)

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

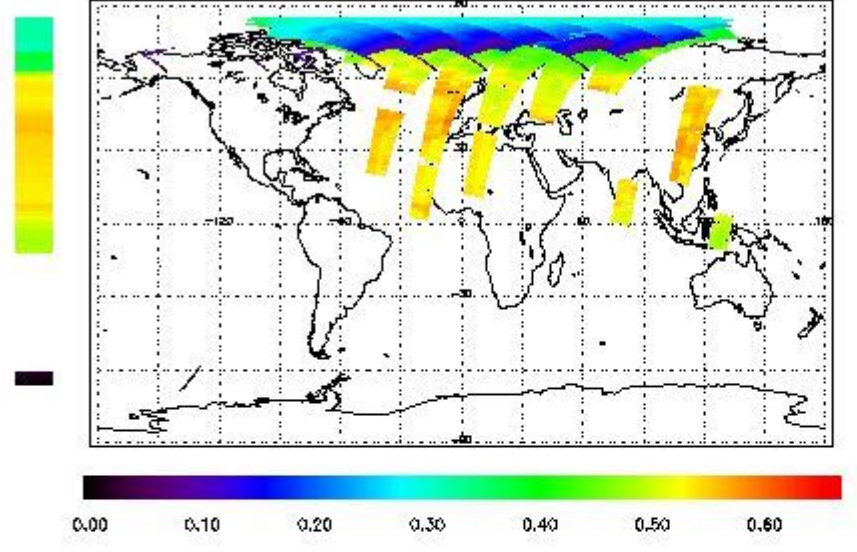
778 nm Uncalibrated Intensity (Binary Units)



Ozone Line Ratio

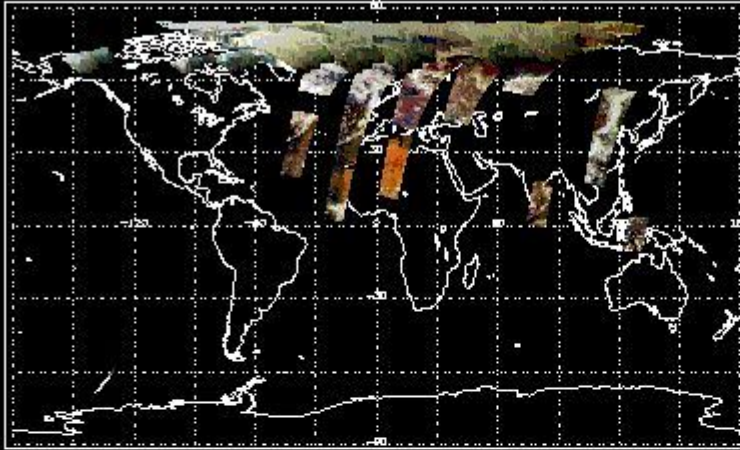
First Product : 01-AUG-2008 01:14:56.160 : ORBIT : 74663.1018
Last Product : 01-AUG-2008 23:18:35.706 : ORBIT : 74676.2596
Total Products Processed : 11364 Day : 213

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	18:08:57	--	74673	Y	--	14814

(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)
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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)
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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
--	--	--	--

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