

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	05-AUG-2009
Start Time of First Product	00:04:40
Stop Time of Last Product	22:53:02
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_090805BEEP0358.E2	05-AUG-2009	02:53:04.239
EGOI_090805GSEP6018.E2	05-AUG-2009	02:26:46.083
EGOI_090805GSEP6042.E2	05-AUG-2009	04:06:58.690
EGOI_090805GSEP6048.E2	05-AUG-2009	05:49:30.811
EGOI_090805HLEP2739.E2	05-AUG-2009	01:38:17.294
EGOI_090805HLEP2747.E2	05-AUG-2009	13:47:08.215
EGOI_090805HLEP2755.E2	05-AUG-2009	15:28:41.825
EGOI_090805HLEP2761.E2	05-AUG-2009	21:51:24.645
EGOI_090805HLEP2768.E2	05-AUG-2009	23:25:53.716

EGOI_090805KSEP1550.E2	05-AUG-2009	07:47:27.028
EGOI_090805KSEP1569.E2	05-AUG-2009	09:27:27.638
EGOI_090805KSEP1598.E2	05-AUG-2009	11:07:05.736
EGOI_090805KSEP1626.E2	05-AUG-2009	12:46:21.339
EGOI_090805KSEP1635.E2	05-AUG-2009	14:25:14.446
EGOI_090805KSEP1645.E2	05-AUG-2009	16:03:00.035
EGOI_090805KSEP1663.E2	05-AUG-2009	17:40:59.125
EGOI_090805KSEP1693.E2	05-AUG-2009	19:18:55.223
EGOI_090805KSEP1723.E2	05-AUG-2009	20:58:54.332
EGOI_090805KSEP1749.E2	05-AUG-2009	22:41:14.450
EGOI_090805MAEP2412.E2	05-AUG-2009	09:35:02.181
EGOI_090805MAEP2426.E2	05-AUG-2009	11:14:55.283
EGOI_090805MIEP5767.E2	05-AUG-2009	02:23:37.063
EGOI_090805MIEP5787.E2	05-AUG-2009	04:02:18.167
EGOI_090805MIEP5806.E2	05-AUG-2009	14:43:53.551
EGOI_090805MIEP5833.E2	05-AUG-2009	16:21:27.145
EGOI_090805MMEP6767.E2	05-AUG-2009	00:04:40.727
EGOI_090805MMEP6775.E2	05-AUG-2009	03:29:16.467
EGOI_090805MMEP6786.E2	05-AUG-2009	13:35:06.637
EGOI_090805MMEP6796.E2	05-AUG-2009	20:12:52.548
EGOI_090805MMEP6803.E2	05-AUG-2009	21:53:14.157
EGOI_090805MMEP6810.E2	05-AUG-2009	23:33:25.263
EGOI_090805MSEP2765.E2	05-AUG-2009	00:42:09.454
EGOI_090805MSEP2779.E2	05-AUG-2009	11:21:02.822
EGOI_090805MSEP2802.E2	05-AUG-2009	13:00:25.929
EGOI_090805MSEP2834.E2	05-AUG-2009	22:29:29.380

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	74724	05-AUG-2009	07:45:19.976	07:47:27.027	127.05100
KS	74725	05-AUG-2009	09:24:55.279	09:27:27.638	152.35900
KS	74726	05-AUG-2009	11:04:30.406	11:07:05.736	155.33000
KS	74727	05-AUG-2009	12:43:47.536	12:46:21.339	153.80300
KS	74728	05-AUG-2009	14:22:36.517	14:25:14.445	157.92800
KS	74729	05-AUG-2009	16:00:23.186	16:03:00.035	156.84900
KS	74730	05-AUG-2009	17:38:18.195	17:40:59.125	160.93000
KS	74731	05-AUG-2009	19:16:39.543	19:18:55.223	135.68000
KS	74732	05-AUG-2009	20:56:45.544	20:58:54.332	128.78800
KS	74733	05-AUG-2009	22:39:04.971	22:41:14.450	129.47900
GS	74722	05-AUG-2009	04:04:57.217	04:06:58.689	121.47200
MS	74720	05-AUG-2009	00:40:14.139	00:42:09.454	115.31500

MS	74726	05-AUG-2009	11:17:31.028	11:21:02.822	211.79400
MS	74727	05-AUG-2009	12:57:51.167	13:00:25.929	154.76200
MS	74733	05-AUG-2009	22:27:13.253	22:29:29.380	136.12700
MA	74725	05-AUG-2009	09:33:01.273	09:35:02.180	120.90700
MA	74726	05-AUG-2009	11:13:43.565	11:14:55.282	71.717000
MI	74721	05-AUG-2009	02:21:12.584	02:23:37.062	144.47800
MI	74722	05-AUG-2009	03:59:05.032	04:02:18.166	193.13400
MI	74728	05-AUG-2009	14:41:30.801	14:43:53.550	142.74900
MI	74729	05-AUG-2009	16:19:01.547	16:21:27.145	145.59800
MM	74719	05-AUG-2009	00:03:09.002	00:04:40.726	91.724000
MM	74721	05-AUG-2009	03:28:11.578	03:29:16.467	64.889000
MM	74727	05-AUG-2009	13:33:32.456	13:35:06.637	94.181000
MM	74731	05-AUG-2009	20:10:47.282	20:12:52.548	125.26600
MM	74732	05-AUG-2009	21:50:36.020	21:53:14.156	158.13600
MM	74733	05-AUG-2009	23:31:17.287	23:33:25.262	127.97500
BE	74721	05-AUG-2009	02:50:22.146	02:53:04.239	162.09300

[[BACK TO MENU](#)]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	74719	04-AUG-2009	23:52:19.124	00:06:48.353	869.22900
HO	74720	05-AUG-2009	01:33:31.003	01:45:08.439	697.43600
MM	74720	05-AUG-2009	01:45:14.553	01:54:49.705	575.15200
GS	74720	05-AUG-2009	00:48:42.892	00:57:26.789	523.89700
SG	74721	05-AUG-2009	03:01:37.768	03:15:05.080	807.31200
CM	74721	05-AUG-2009	03:57:48.328	04:10:11.651	743.32300
BE	74722	05-AUG-2009	04:30:39.495	04:41:02.455	622.96000
MM	74722	05-AUG-2009	05:11:05.069	05:16:52.012	346.94300
SG	74722	05-AUG-2009	04:42:31.561	04:52:19.317	587.75600
MM	74723	05-AUG-2009	06:52:44.019	06:59:37.079	413.06000
KS	74723	05-AUG-2009	06:06:28.812	06:12:13.967	345.15500
CM	74723	05-AUG-2009	05:42:08.652	05:44:49.522	160.87000
JO	74723	05-AUG-2009	06:34:33.506	06:43:24.012	530.50600
MM	74724	05-AUG-2009	08:33:24.818	08:42:38.421	553.60300
MA	74724	05-AUG-2009	07:55:59.129	08:01:45.734	346.60500
JO	74724	05-AUG-2009	08:10:00.070	08:25:00.925	900.85500

MM	74725	05-AUG-2009	10:13:41.430	10:24:53.617	672.18700
JO	74725	05-AUG-2009	09:52:27.583	10:01:56.747	569.16400
HO	74726	05-AUG-2009	12:03:02.249	12:16:30.723	808.47400
MM	74726	05-AUG-2009	11:53:43.827	12:06:04.394	740.56700
HO	74727	05-AUG-2009	13:42:05.674	13:56:32.608	866.93400
SG	74727	05-AUG-2009	14:00:35.360	14:07:31.786	416.42600
BE	74728	05-AUG-2009	14:06:58.850	14:20:23.828	804.97800
HO	74728	05-AUG-2009	15:23:29.992	15:30:49.087	439.09500
MM	74728	05-AUG-2009	15:13:05.486	15:25:44.818	759.33200
GS	74728	05-AUG-2009	14:34:26.849	14:45:24.783	657.93400
SG	74728	05-AUG-2009	15:36:10.102	15:49:59.331	829.22900
BE	74729	05-AUG-2009	15:49:31.144	15:57:56.861	505.71700
MM	74729	05-AUG-2009	16:52:22.543	17:04:54.422	751.87900
GS	74729	05-AUG-2009	16:13:07.080	16:26:58.433	831.35300
CM	74729	05-AUG-2009	16:21:46.009	16:34:10.544	744.53500
MM	74730	05-AUG-2009	18:31:30.638	18:44:05.743	755.10500
GS	74730	05-AUG-2009	17:53:35.723	18:03:24.137	588.41400
CM	74730	05-AUG-2009	18:04:52.834	18:08:28.099	215.26500
MA	74731	05-AUG-2009	19:13:16.669	19:21:17.610	480.94100
JO	74731	05-AUG-2009	20:30:06.069	20:45:01.156	895.08700
HO	74732	05-AUG-2009	21:46:15.818	21:54:40.214	504.39600
MA	74732	05-AUG-2009	20:48:34.174	21:02:17.066	822.89200
JO	74732	05-AUG-2009	22:10:39.806	22:22:04.565	684.75900
HO	74733	05-AUG-2009	23:21:18.967	23:35:29.597	850.63000
MA	74733	05-AUG-2009	22:32:49.835	22:39:50.149	420.31400

[[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

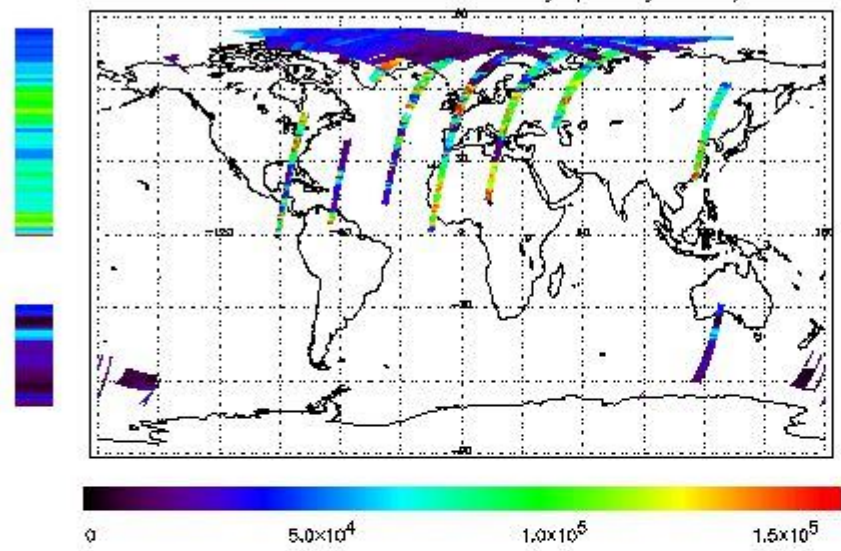
(1)

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

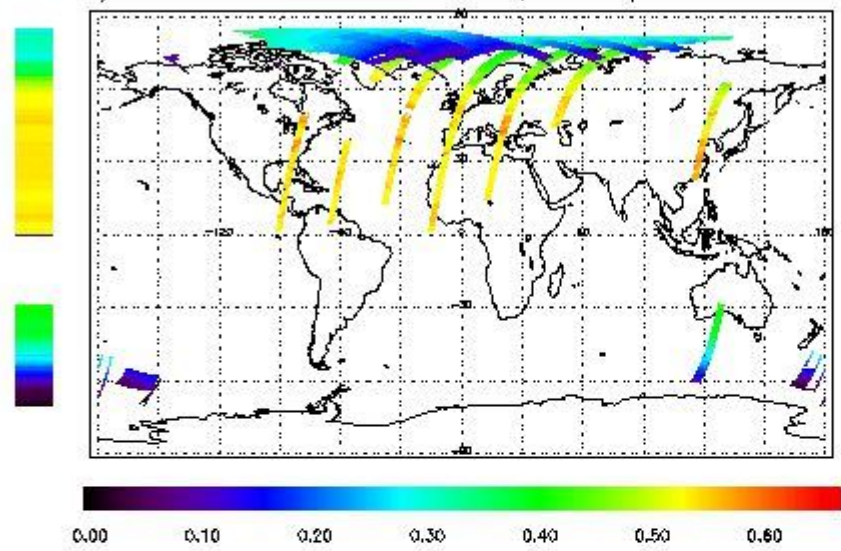
First Product : 05-AUG-2008 00:04:40.727 : ORBIT : 74719.6605

Last Product : 05-AUG-2008 22:53:02.520 : ORBIT : 74733.2627

Total Products Processed : 15787 Day : 217

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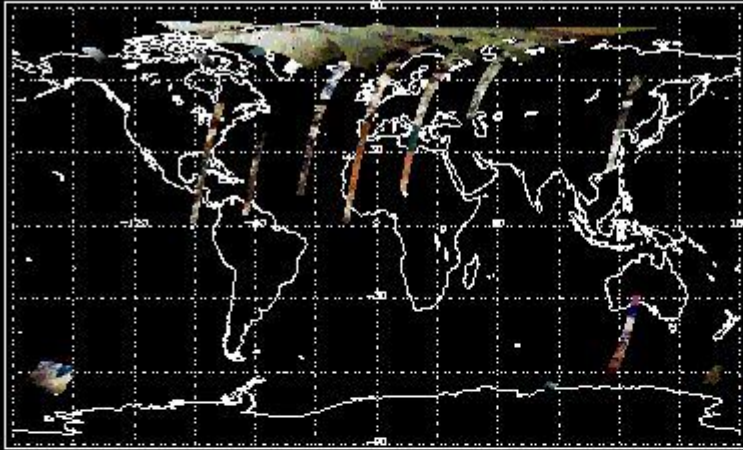
331/313 nm Uncalibrated Line Ratio, SZA Dependence Removed



PMD Image (Earthshine Radiance)

First Product : 05-AUG-2009 00:04:40.727 : ORBIT : 74719.6605
 Last Product : 05-AUG-2009 22:53:02.520 : ORBIT : 74733.2627
 Total Products Processed : 15787 Day : 217 Page : 20

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	19:24:01	--	74731	Y	--	14792

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

(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
21:30 (04-AUG-2009)	19:30 (05-AUG-2009)	74718	74731

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