

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	13-JUL-2009
Start Time of First Product	00:19:06
Stop Time of Last Product	23:05:23
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_090713GSEP4419.E2	13-JUL-2009	01:12:40.403
EGOI_090713GSEP4440.E2	13-JUL-2009	02:48:55.989
EGOI_090713GSEP4467.E2	13-JUL-2009	04:30:37.098
EGOI_090713GSEP4475.E2	13-JUL-2009	06:12:51.223
EGOI_090713HLEP2109.E2	13-JUL-2009	00:19:05.579
EGOI_090713HLEP2119.E2	13-JUL-2009	02:02:15.200
EGOI_090713HLEP2126.E2	13-JUL-2009	10:55:28.939
EGOI_090713HLEP2132.E2	13-JUL-2009	12:30:04.005
EGOI_090713HLEP2140.E2	13-JUL-2009	14:09:40.612

EGOI_090713KSEP5404.E2	13-JUL-2009	06:30:36.325
EGOI_090713KSEP5435.E2	13-JUL-2009	08:10:33.936
EGOI_090713KSEP5461.E2	13-JUL-2009	09:50:10.539
EGOI_090713KSEP5486.E2	13-JUL-2009	11:29:48.646
EGOI_090713KSEP5505.E2	13-JUL-2009	13:08:53.739
EGOI_090713KSEP5518.E2	13-JUL-2009	14:47:39.338
EGOI_090713KSEP5537.E2	13-JUL-2009	16:25:20.437
EGOI_090713KSEP5568.E2	13-JUL-2009	18:03:24.028
EGOI_090713KSEP5604.E2	13-JUL-2009	19:41:27.618
EGOI_090713KSEP5630.E2	13-JUL-2009	21:21:55.232
EGOI_090713KSEP5657.E2	13-JUL-2009	23:04:40.854
EGOI_090713MAEP1596.E2	13-JUL-2009	09:57:40.586
EGOI_090713MAEP1612.E2	13-JUL-2009	21:14:26.681
EGOI_090713MIEP3958.E2	13-JUL-2009	02:45:21.465
EGOI_090713MIEP3985.E2	13-JUL-2009	04:24:47.567
EGOI_090713MIEP4010.E2	13-JUL-2009	15:05:27.451
EGOI_090713MIEP4039.E2	13-JUL-2009	16:44:28.047
EGOI_090713MMEP5609.E2	13-JUL-2009	02:10:01.751
EGOI_090713MMEP5616.E2	13-JUL-2009	05:35:11.989
EGOI_090713MMEP5626.E2	13-JUL-2009	08:57:44.718
EGOI_090713MMEP5635.E2	13-JUL-2009	12:18:06.935
EGOI_090713MSEP0165.E2	13-JUL-2009	10:05:45.134
EGOI_090713MSEP0188.E2	13-JUL-2009	11:42:47.224
EGOI_090713MSEP0210.E2	13-JUL-2009	13:24:07.333
EGOI_090713MSEP0224.E2	13-JUL-2009	21:17:08.697
EGOI_090713MSEP0256.E2	13-JUL-2009	22:51:31.768
EGOI_090713SGEP8315.E2	13-JUL-2009	05:09:02.833

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	74394	13-JUL-2009	06:28:52.674	06:30:36.324	103.65000
KS	74395	13-JUL-2009	08:08:04.611	08:10:33.936	149.32500
KS	74396	13-JUL-2009	09:47:41.713	09:50:10.539	148.82600
KS	74397	13-JUL-2009	11:27:14.275	11:29:48.646	154.37100
KS	74398	13-JUL-2009	13:06:24.643	13:08:53.738	149.09500
KS	74399	13-JUL-2009	14:45:06.039	14:47:39.338	153.29900
KS	74400	13-JUL-2009	16:22:45.999	16:25:20.436	154.43700
KS	74401	13-JUL-2009	18:00:34.578	18:03:24.027	169.44900
KS	74402	13-JUL-2009	19:39:22.647	19:41:27.618	124.97100
KS	74403	13-JUL-2009	21:19:55.493	21:21:55.231	119.73800
KS	74404	13-JUL-2009	23:02:52.821	23:04:40.854	108.03300

GS	74391	13-JUL-2009	01:10:07.706	01:12:40.403	152.69700
GS	74392	13-JUL-2009	02:47:03.040	02:48:55.989	112.94900
GS	74393	13-JUL-2009	04:28:44.152	04:30:37.097	112.94500
MS	74397	13-JUL-2009	11:40:10.126	11:42:47.224	157.09800
MS	74398	13-JUL-2009	13:21:33.756	13:24:07.333	153.57700
MS	74404	13-JUL-2009	22:49:29.173	22:51:31.767	122.59400
MA	74396	13-JUL-2009	09:55:44.061	09:57:40.586	116.52500
MA	74403	13-JUL-2009	21:11:40.298	21:14:26.680	166.38200
MI	74392	13-JUL-2009	02:42:56.426	02:45:21.464	145.03800
MI	74393	13-JUL-2009	04:22:26.557	04:24:47.566	141.00900
MI	74399	13-JUL-2009	15:03:10.535	15:05:27.450	136.91500
MI	74400	13-JUL-2009	16:42:00.857	16:44:28.047	147.19000
MM	74391	13-JUL-2009	02:08:43.051	02:10:01.751	78.700000
MM	74395	13-JUL-2009	08:56:21.550	08:57:44.717	83.167000
MM	74397	13-JUL-2009	12:16:33.929	12:18:06.935	93.006000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	74390	13-JUL-2009	00:26:23.454	00:37:28.819	665.36500
BE	74392	13-JUL-2009	03:13:04.811	03:26:26.853	802.04200
MM	74392	13-JUL-2009	03:51:46.049	03:58:30.396	404.34700
SG	74392	13-JUL-2009	03:24:04.567	03:37:57.357	832.79000
CM	74392	13-JUL-2009	02:44:32.020	02:51:09.981	397.96100
CM	74392	13-JUL-2009	04:20:32.658	04:32:48.591	735.93300
BE	74393	13-JUL-2009	04:54:04.273	05:02:21.704	497.43100
MM	74394	13-JUL-2009	07:15:48.178	07:23:11.649	443.47100
JO	74394	13-JUL-2009	06:55:33.909	07:07:10.519	696.61000
MA	74395	13-JUL-2009	08:17:23.182	08:28:16.338	653.15600
JO	74395	13-JUL-2009	08:32:45.773	08:47:38.957	893.18400
MM	74396	13-JUL-2009	10:36:34.567	10:48:06.981	692.41400
MA	74397	13-JUL-2009	11:37:06.349	11:44:17.139	430.79000
MM	74398	13-JUL-2009	13:56:19.165	14:09:03.099	763.93400
SG	74398	13-JUL-2009	14:21:19.023	14:31:59.528	640.50500
BE	74399	13-JUL-2009	14:29:49.001	14:43:02.856	793.85500
MM	74399	13-JUL-2009	15:35:48.417	15:48:25.584	757.16700

GS	74399	13-JUL-2009	14:56:46.008	15:09:28.271	762.26300
SG	74399	13-JUL-2009	15:59:08.748	16:12:19.650	790.90200
CM	74399	13-JUL-2009	15:07:58.829	15:14:27.535	388.70600
MM	74400	13-JUL-2009	17:15:02.436	17:27:33.971	751.53500
GS	74400	13-JUL-2009	16:35:56.093	16:49:25.264	809.17100
CM	74400	13-JUL-2009	16:44:31.343	16:56:43.899	732.55600
MM	74401	13-JUL-2009	18:54:10.573	19:06:47.731	757.15800
GS	74401	13-JUL-2009	18:16:57.030	18:24:37.768	460.73800
JO	74401	13-JUL-2009	19:15:40.487	19:25:29.039	588.55200
MM	74402	13-JUL-2009	20:33:32.464	20:46:16.466	764.00200
MA	74402	13-JUL-2009	19:33:20.530	19:45:07.506	706.97600
JO	74402	13-JUL-2009	20:52:45.116	21:07:45.236	900.12000
HO	74403	13-JUL-2009	22:07:17.689	22:18:02.329	644.64000
MM	74403	13-JUL-2009	22:13:31.655	22:26:01.438	749.78300
JO	74403	13-JUL-2009	22:34:29.853	22:43:00.449	510.59600
HO	74404	13-JUL-2009	23:43:52.512	23:58:16.070	863.55800
MM	74404	13-JUL-2009	23:54:26.978	00:06:00.622	693.64400

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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

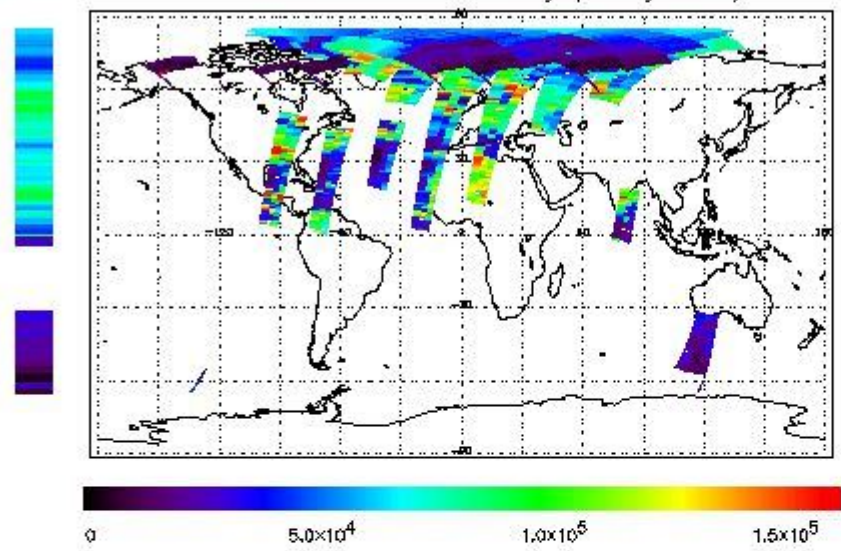
(1)

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

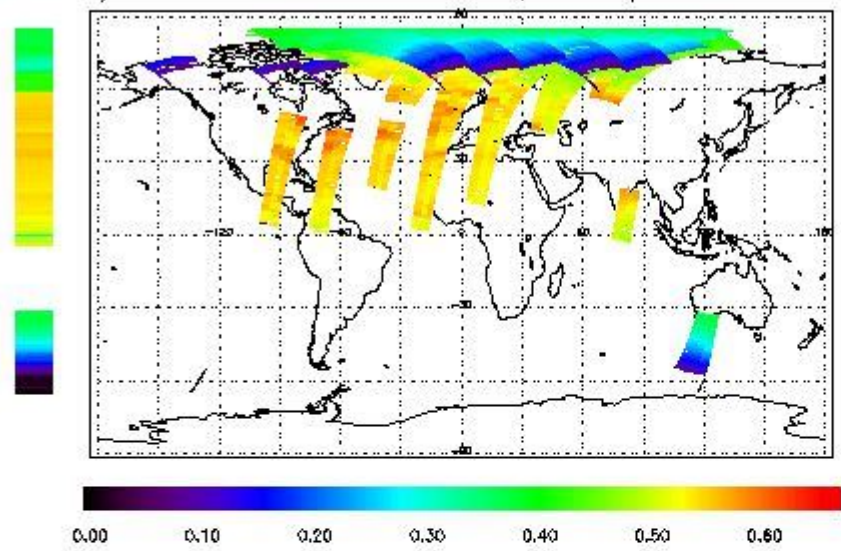
First Product : 13-JUL-2009 00:19:05.579 : ORBIT : 74390.5752

Last Product : 13-JUL-2009 23:05:22.857 : ORBIT : 74404.1568

Total Products Processed : 15837 Day : 194

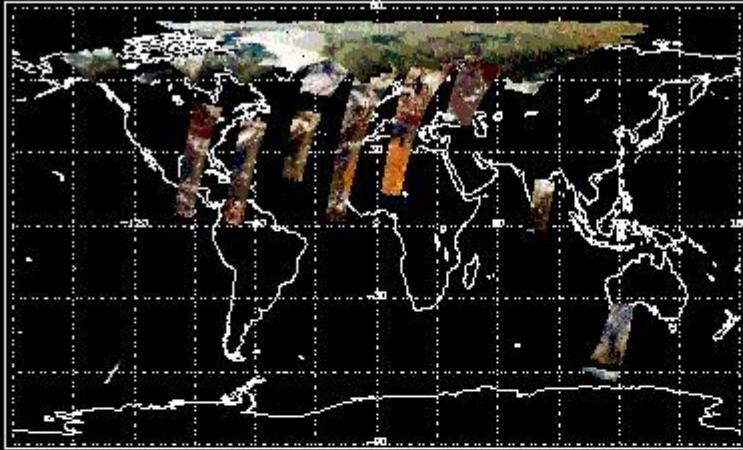
Page : 20

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	18:04:58.530	--	74401	Y	--	14640

(2)(3)

3.2 - Lamp Calibration (Quarterly/TST44)

Quarterly(D)/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)

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4 - Instrument Anomalies

4.1 - Single Event Upset (SEU)

Start Time	End Time	Start Orbit	Orbit End	Ground Station Visibility (Y/NS/NE)
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(2)

4.2 - Instrument Off

Start Time	End Time	Start Orbit	Orbit End	MPS Resumption	Ground Station Visibility (Y/NS/NE)
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(2)

4.3 - Cooler Switchings

Start Time	End Time	Start Orbit	Orbit End	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	Orbit End	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	Orbit End	Ground Station Visibility (Y/NS/NE)
--	--	--	--	--

(2)

5.4 - Wrong Command Execution

Start Time	End Time	Start Orbit	Orbit End	Ground Station Visibility (Y/NS/NE)
--	--	--	--	--

(2)

5.5 - Narrow Swath Timeline

Start Time	End Time	Start Orbit	Orbit End
--	--	--	--

5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	Orbit End
--	--	--	--

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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