

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	14-SEP-2009
Start Time of First Product	23:43:09 (13-SEP-2009)
Stop Time of Last Product	23:25:26
Number of EGOI Products analysed	35
Number of corrupted products	1
Anomalies and/or Special Operations	Narrow Swath performed as planned, start orbit 75304

1.2 - List of received products

Name	Date	Time
EGOI_090914BEEP0687.E2	14-SEP-2009	14:52:48.620
EGOI_090914GSEP8757.E2	14-SEP-2009	01:31:12.252
EGOI_090914GSEP8784.E2	14-SEP-2009	03:08:57.842
EGOI_090914GSEP8794.E2	14-SEP-2009	04:51:56.971
EGOI_090914KSEP1879.E2	14-SEP-2009	06:50:35.193
EGOI_090914KSEP1900.E2	14-SEP-2009	08:30:34.295
EGOI_090914KSEP1926.E2	14-SEP-2009	10:10:15.401
EGOI_090914KSEP1952.E2	14-SEP-2009	11:49:46.012
EGOI_090914KSEP1972.E2	14-SEP-2009	13:28:45.115

EGOI_090914KSEP2000.E2	14-SEP-2009	15:07:26.210
EGOI_090914KSEP2022.E2	14-SEP-2009	16:44:56.804
EGOI_090914KSEP2055.E2	14-SEP-2009	18:22:51.146
EGOI_090914KSEP2083.E2	14-SEP-2009	20:01:36.749
EGOI_090914KSEP2115.E2	14-SEP-2009	21:42:26.863
EGOI_090914MAEP3826.E2	14-SEP-2009	08:38:32.849
EGOI_090914MAEP3837.E2	14-SEP-2009	10:17:39.448
EGOI_090914MAEP3857.E2	14-SEP-2009	19:55:26.210
EGOI_090914MIEP9097.E2	14-SEP-2009	03:04:47.319
EGOI_090914MIEP9123.E2	14-SEP-2009	04:45:41.936
EGOI_090914MIEP9133.E2	14-SEP-2009	15:24:59.316
EGOI_090914MIEP9156.E2	14-SEP-2009	17:04:49.423
EGOI_090914MMEP8242.E2	14-SEP-2009	12:38:07.305
EGOI_090914MMEP8251.E2	14-SEP-2009	15:57:14.511
EGOI_090914MMEP8257.E2	14-SEP-2009	17:37:40.620
EGOI_090914MMEP8265.E2	14-SEP-2009	20:55:25.073
EGOI_090914MSEP7140.E2	13-SEP-2009	23:43:08.598
EGOI_090914MSEP7158.E2	14-SEP-2009	10:24:51.491
EGOI_090914MSEP7187.E2	14-SEP-2009	12:02:40.086
EGOI_090914MSEP7200.E2	14-SEP-2009	13:45:24.213
EGOI_090914MSEP7223.E2	14-SEP-2009	21:35:17.816
EGOI_090914MSEP7255.E2	14-SEP-2009	23:11:34.902
EGOI_090914SGEP9700.E2	14-SEP-2009	02:09:51.483
EGOI_090914SGEP9708.E2	14-SEP-2009	03:46:32.569
EGOI_090914SGEP9717.E2	14-SEP-2009	14:44:32.073
EGOI_090914SGEP9724.E2	14-SEP-2009	16:22:20.667

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	75296	14-SEP-2009	06:48:37.304	06:50:35.192	117.88800
KS	75297	14-SEP-2009	08:27:59.477	08:30:34.294	154.81700
KS	75298	14-SEP-2009	10:07:37.141	10:10:15.401	158.26000
KS	75299	14-SEP-2009	11:47:06.732	11:49:46.011	159.27900
KS	75300	14-SEP-2009	13:26:10.316	13:28:45.114	154.79800
KS	75301	14-SEP-2009	15:04:40.377	15:07:26.209	165.83200
KS	75302	14-SEP-2009	16:42:16.752	16:44:56.803	160.05100
KS	75303	14-SEP-2009	18:20:12.467	18:22:51.145	158.67800
KS	75304	14-SEP-2009	19:59:19.786	20:01:36.748	136.96200
KS	75305	14-SEP-2009	21:40:17.746	21:42:26.862	129.11600
GS	75293	14-SEP-2009	01:29:07.977	01:31:12.252	124.27500
GS	75294	14-SEP-2009	03:06:58.008	03:08:57.842	119.83400

MS	75298	14-SEP-2009	10:22:09.934	10:24:51.490	161.55600
MS	75299	14-SEP-2009	12:00:02.599	12:02:40.085	157.48600
MS	75306	14-SEP-2009	23:09:13.938	23:11:34.902	140.96400
MA	75297	14-SEP-2009	08:36:49.281	08:38:32.848	103.56700
MA	75298	14-SEP-2009	10:15:42.575	10:17:39.448	116.87300
MA	75304	14-SEP-2009	19:52:34.104	19:55:26.209	172.10500
MI	75294	14-SEP-2009	03:02:18.190	03:04:47.318	149.12800
MI	75295	14-SEP-2009	04:43:19.247	04:45:41.935	142.68800
MI	75301	14-SEP-2009	15:22:32.309	15:24:59.316	147.00700
MI	75302	14-SEP-2009	17:02:20.785	17:04:49.423	148.63800
MM	75299	14-SEP-2009	12:36:32.164	12:38:07.305	95.141000
MM	75301	14-SEP-2009	15:55:40.302	15:57:14.511	94.209000
MM	75302	14-SEP-2009	17:34:52.041	17:37:40.619	168.57800
MM	75304	14-SEP-2009	20:53:28.611	20:55:25.073	116.46200
BE	75301	14-SEP-2009	14:50:02.058	14:52:48.620	166.56200
BE	75301	14-SEP-2009	14:56:06.638	15:02:44.922	398.28400
SG	75293	14-SEP-2009	02:07:37.320	02:09:51.483	134.16300
SG	75294	14-SEP-2009	03:43:59.165	03:46:32.569	153.40400
SG	75300	14-SEP-2009	14:40:14.107	14:44:32.073	257.96600
SG	75301	14-SEP-2009	16:19:34.253	16:22:20.666	166.41300

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	75292	14-SEP-2009	00:34:57.870	00:49:22.124	864.25400
MM	75292	14-SEP-2009	00:46:46.427	00:57:31.110	644.68300
KS	75292	13-SEP-2009	23:57:17.098	00:03:03.084	345.98600
BE	75293	14-SEP-2009	01:54:15.452	02:05:40.706	685.25400
MM	75293	14-SEP-2009	02:29:17.534	02:37:52.828	515.29400
BE	75294	14-SEP-2009	03:33:02.941	03:46:05.896	782.95500
MM	75294	14-SEP-2009	04:12:22.874	04:18:44.838	381.96400
CM	75294	14-SEP-2009	03:02:46.602	03:12:16.325	569.72300
CM	75294	14-SEP-2009	04:40:45.969	04:52:20.369	694.40000
MM	75295	14-SEP-2009	05:54:49.148	06:00:46.353	357.20500
MM	75296	14-SEP-2009	07:35:57.357	07:43:49.139	471.78200
JO	75296	14-SEP-2009	07:14:27.024	07:27:36.794	789.77000

MM	75297	14-SEP-2009	09:16:25.383	09:26:35.262	609.87900
JO	75297	14-SEP-2009	08:52:56.149	09:07:17.218	861.06900
MM	75298	14-SEP-2009	10:56:35.502	11:08:23.337	707.83500
HO	75300	14-SEP-2009	14:25:15.846	14:37:34.584	738.73800
MM	75300	14-SEP-2009	14:16:14.343	14:28:57.861	763.51800
GS	75301	14-SEP-2009	15:16:26.449	15:29:50.876	804.42700
CM	75301	14-SEP-2009	15:26:21.969	15:35:56.683	574.71400
GS	75302	14-SEP-2009	16:55:57.759	17:08:52.618	774.85900
CM	75302	14-SEP-2009	17:04:40.588	17:16:08.683	688.09500
MM	75303	14-SEP-2009	19:14:01.082	19:26:40.143	759.06100
JO	75303	14-SEP-2009	19:34:30.295	19:46:40.983	730.68800
JO	75304	14-SEP-2009	21:12:43.221	21:27:24.101	880.88000
HO	75305	14-SEP-2009	22:26:09.189	22:38:14.779	725.59000
MM	75305	14-SEP-2009	22:33:37.765	22:46:00.196	742.43100
MA	75305	14-SEP-2009	21:31:52.262	21:44:50.582	778.32000
KS	75306	14-SEP-2009	23:23:52.104	23:32:12.083	499.97900

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1.5 - List of corrupted products

Station	Orbit	Time
GS	75294	03:09:05.345

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	South Polar View operations
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

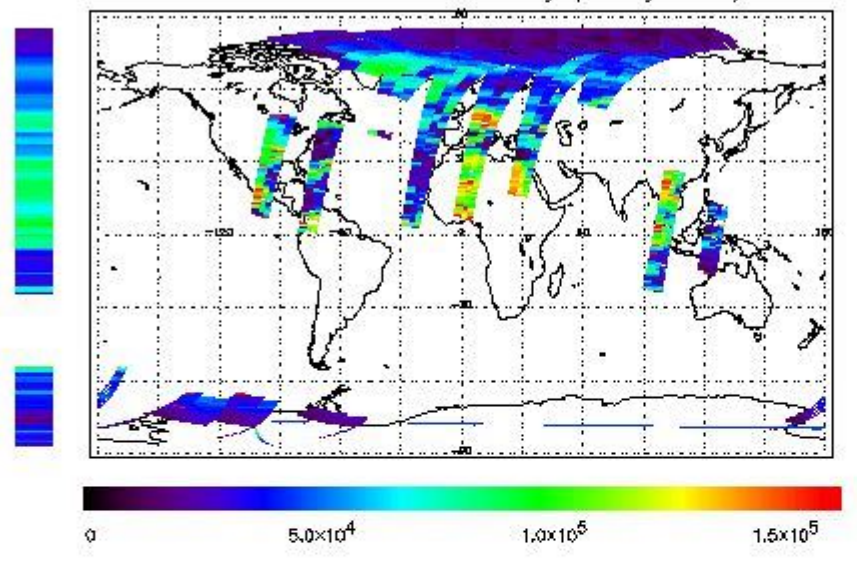
(1)

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

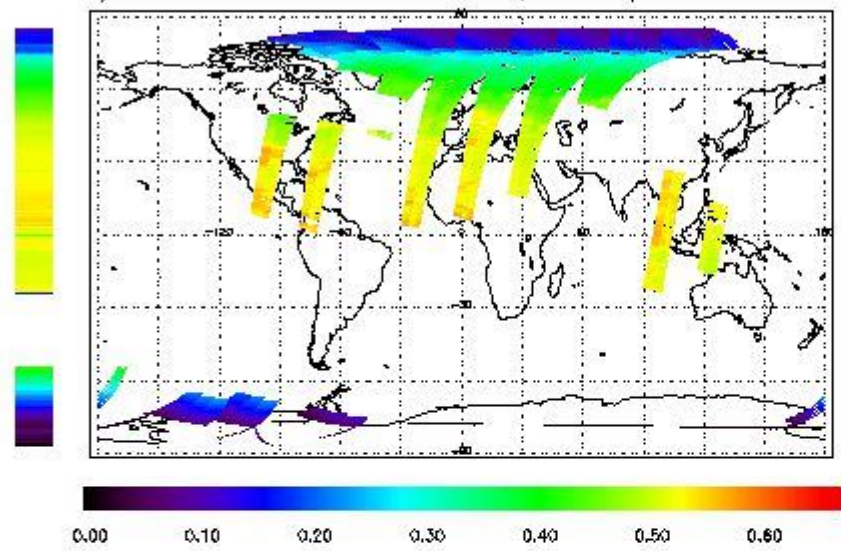
First Product : 13-SEP-2009 23:43:08.598 : ORBIT : 75292.0179

Last Product : 14-SEP-2009 23:25:25.984 : ORBIT : 75306.1561

Total Products Processed : 18787 Day : 257

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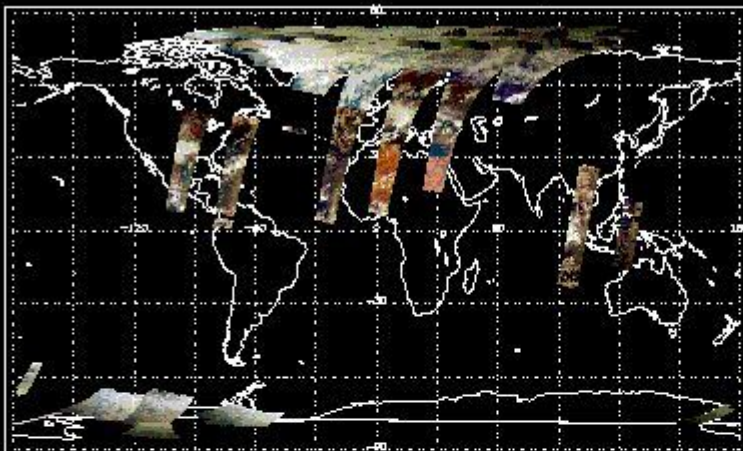
331/313 nm Uncalibrated Line Ratio, SZA Dependence Removed



PMD Image (Earthshine Radiance)

First Product : 13-SEP-2009 23:43:08.598 : ORBIT : 75292.0179
 Last Product : 14-SEP-2009 23:25:25.984 : ORBIT : 75306.1561
 Total Products Processed : 16787 Day : 257 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	18:30:45.196	--	75203	Y	--	15080

(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)

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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
20:00	--	75304	--

5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	End Orbit

01:00 05-Sep	--	75164	--
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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